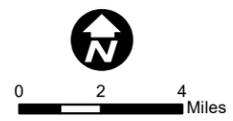


★ Project Center (Lat: 29° 12' 36" N, Long: 94° 55' 26" W)  
 — Project Area

The north toe of dune, as shown hereon, is approximate and based on a combination of survey contour lines and depiction from aerial imagery. Atkins does not certify to the location of said line. Aerial imagery shown for informational purposes only.



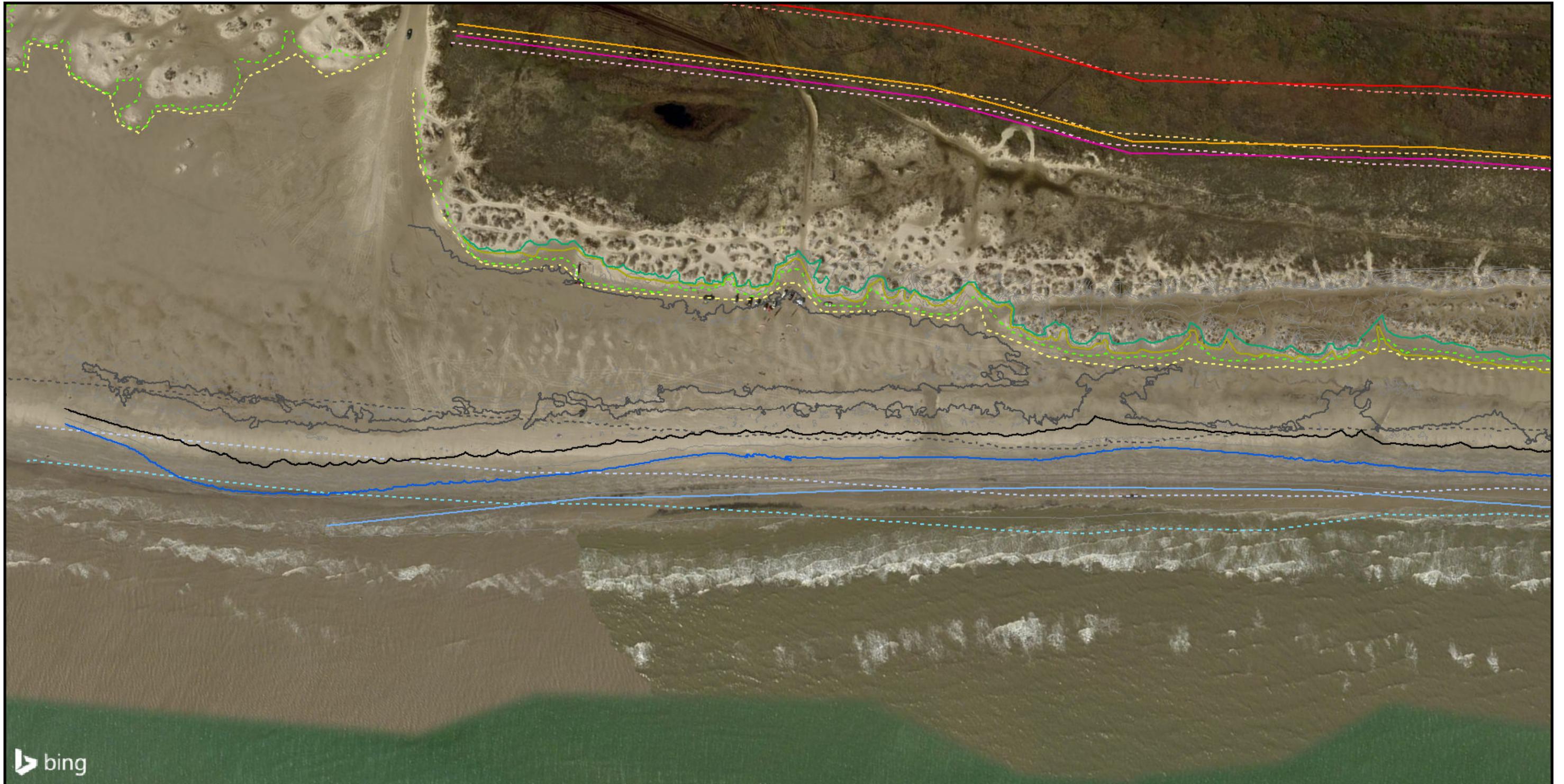
Datum: NAD 1983  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Basemap: ESRI World Streets



2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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Job No.: 100053964	Scale: 1" = 4 miles
Prepared By: Atkins/WHIT6392	Date: Aug 22, 2017



- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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Datum: NAD 1983  
 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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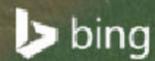
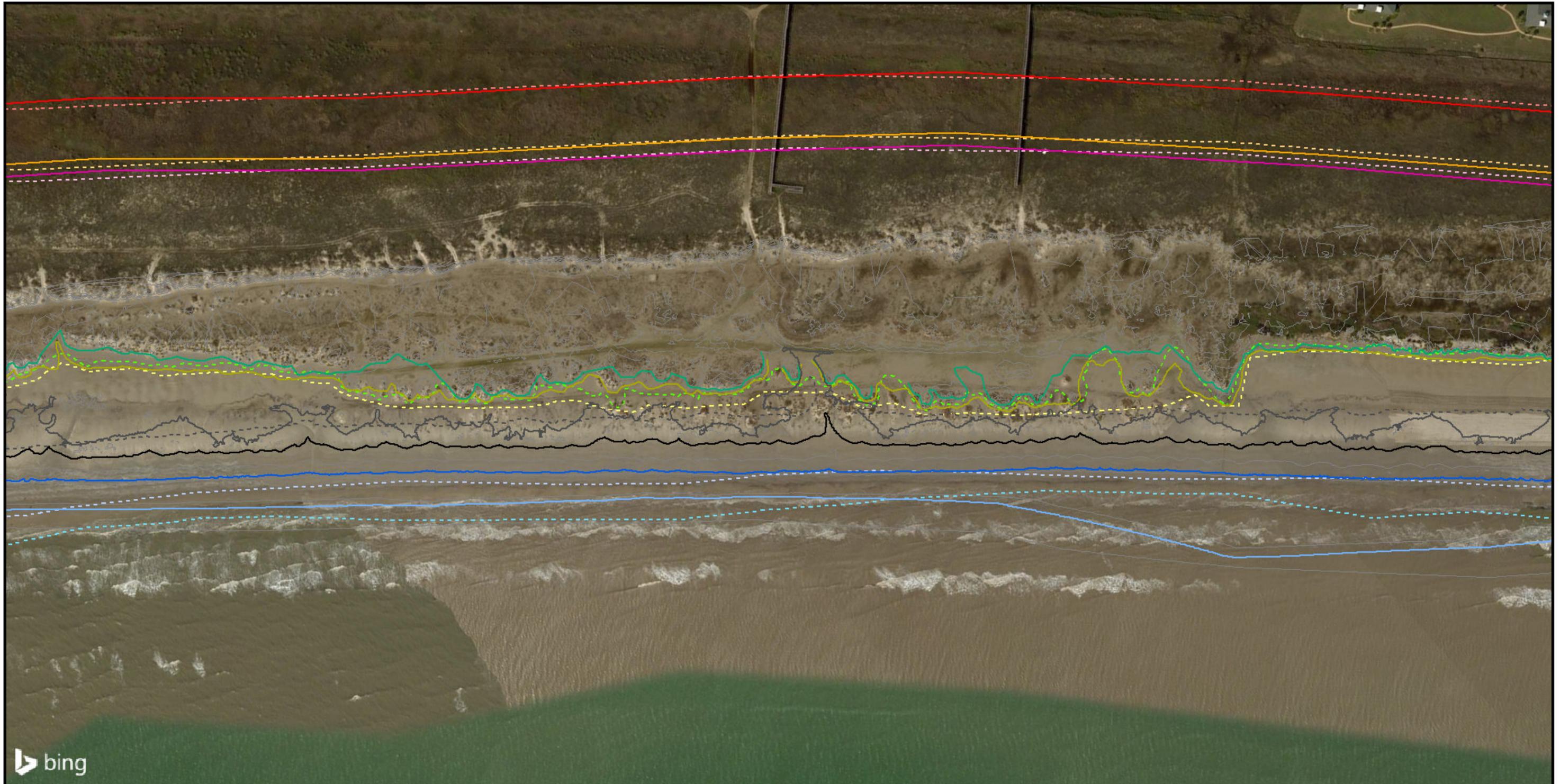
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

# ATKINS

## 2017 Wading Depth Survey City of Galveston

Galveston County, Texas  
Page 3 of 57

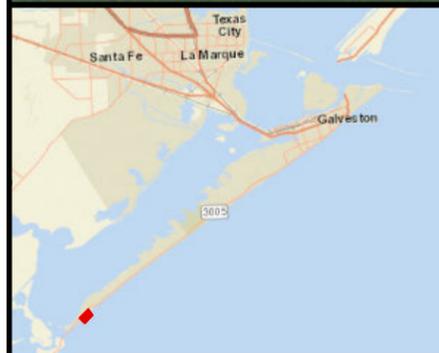
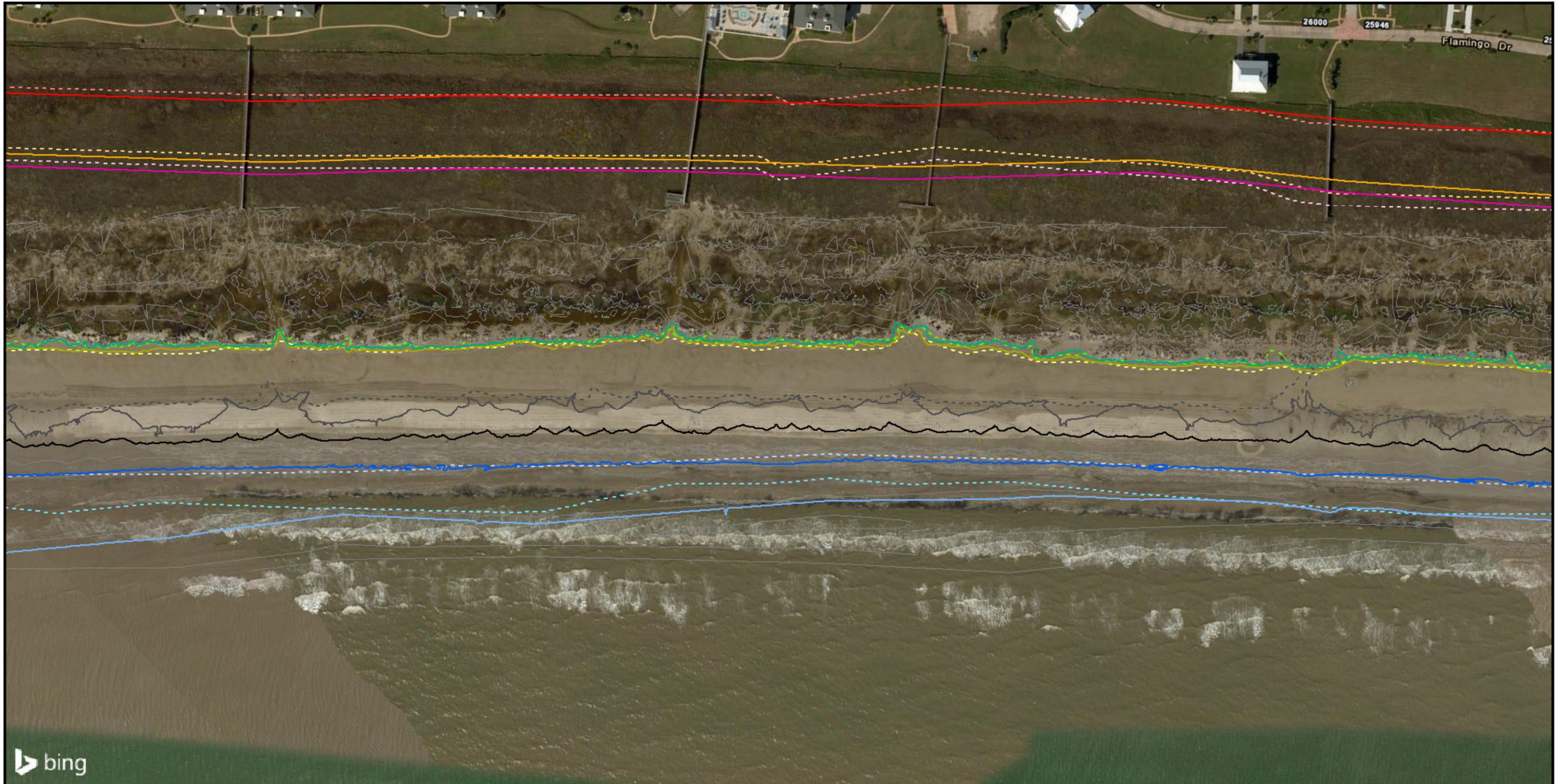
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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Datum: NAD 1983  
 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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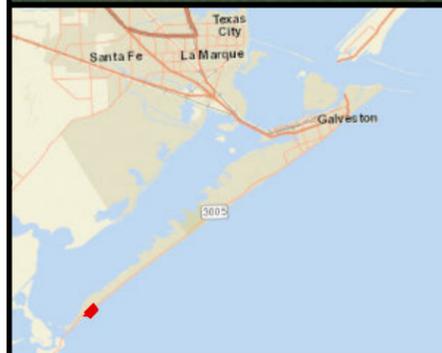
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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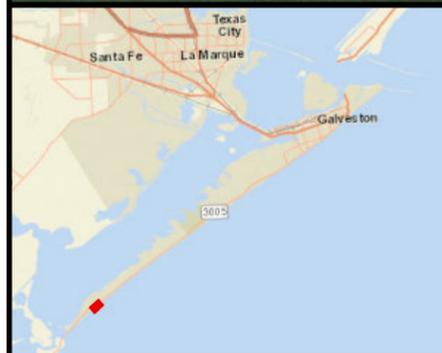
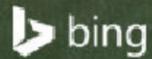
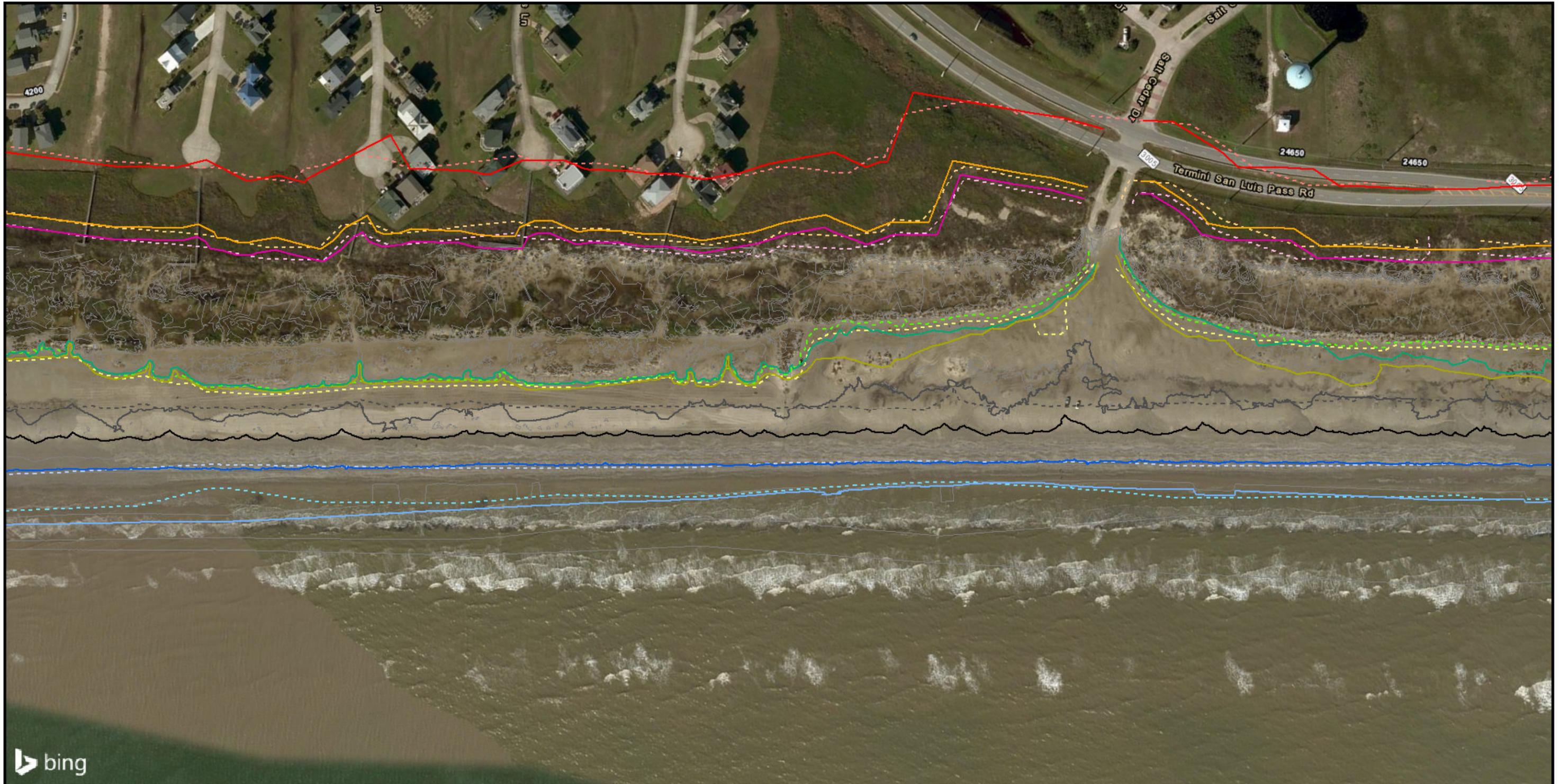
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Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

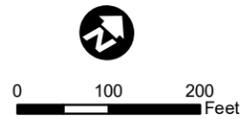
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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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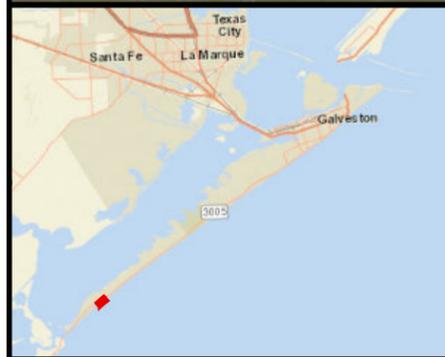
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

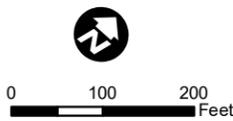
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— 2017 3' CONTOUR	— 2017 MEAN HIGH WATER	- - - - 2016 4' CONTOUR	- - - - 2016 MEAN HIGH WATER
— 2017 4' CONTOUR	— 2017 MEAN LOW WATER	- - - - 2016 APPROXIMATE LINE OF VEGETATION	- - - - 2016 MEAN LOW WATER
— 2017 LINE OF VEGETATION	— 2017 25' OFFSET NORTH TOE OF DUNE	- - - - 2016 SOUTH TOE OF DUNE	- - - - 2016 25' OFFSET NORTH TOE OF DUNE
— 2017 SOUTH TOE OF DUNE	— 2017 ENHANCED CONSTRUCTION ZONE	- - - - 2016 NORTH TOE OF DUNE	- - - - 2016 ENHANCED CONSTRUCTION ZONE
— 2017 NORTH TOE OF DUNE		— CONTOURS	

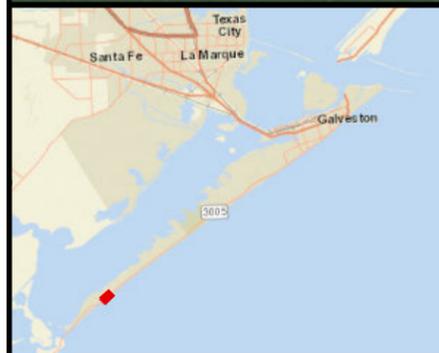
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Datum: NAD 1983  
 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

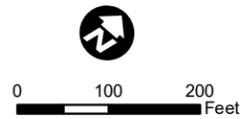
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2017 Wading Depth Survey City of Galveston	
Galveston County, Texas Page 7 of 57	
Job No.: 100053964	Scale: 1" = 200'
Prepared By: Atkins/WHIT6392	Date: Sep 06, 2017
N:\Clients\G_H\Galveston\100053964\geographics\Wading_Depth_Survey_2017_11x17_v3.mxd	



- 2017 3' CONTOUR
- 2017 4' CONTOUR
- 2017 LINE OF VEGETATION
- 2017 SOUTH TOE OF DUNE
- 2017 NORTH TOE OF DUNE
- 2017 MEAN HIGH WATER
- 2017 MEAN LOW WATER
- 2017 25' OFFSET NORTH TOE OF DUNE
- 2017 ENHANCED CONSTRUCTION ZONE
- - - - 2016 4' CONTOUR
- - - - 2016 APPROXIMATE LINE OF VEGETATION
- - - - 2016 SOUTH TOE OF DUNE
- - - - 2016 NORTH TOE OF DUNE
- - - - 2016 MEAN HIGH WATER
- - - - 2016 MEAN LOW WATER
- - - - 2016 25' OFFSET NORTH TOE OF DUNE
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- CONTOURS

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 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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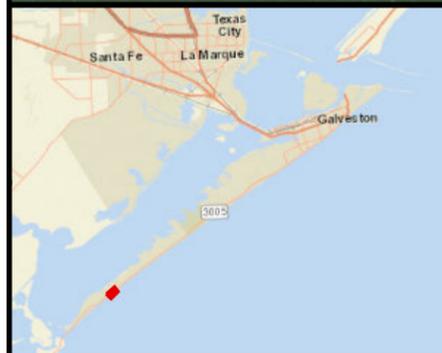
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

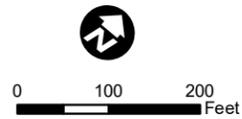
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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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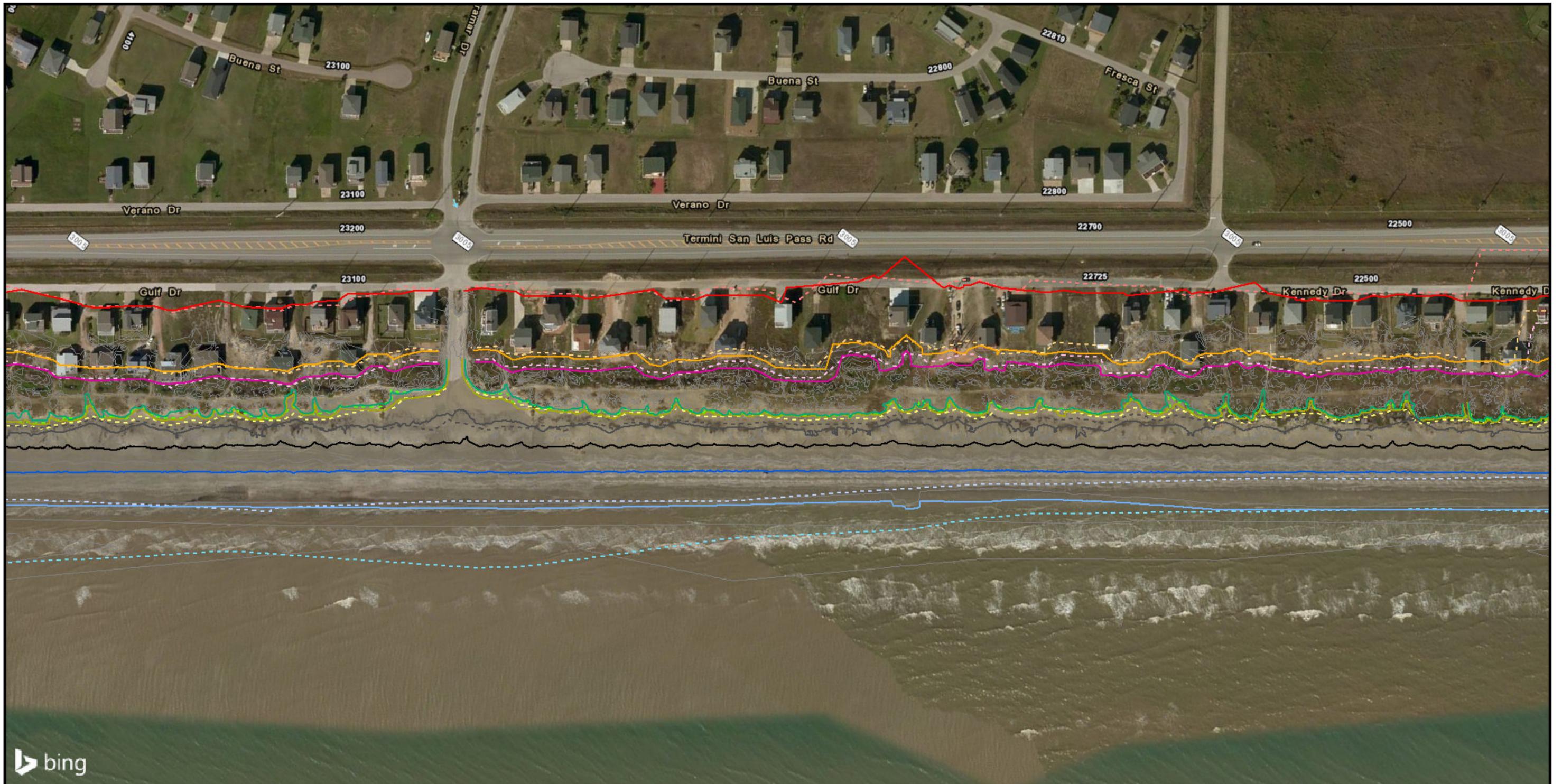
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

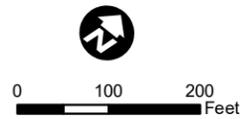
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- 2017 3' CONTOUR
- 2017 4' CONTOUR
- 2017 LINE OF VEGETATION
- 2017 SOUTH TOE OF DUNE
- 2017 NORTH TOE OF DUNE
- 2017 MEAN HIGH WATER
- 2017 MEAN LOW WATER
- 2017 25' OFFSET NORTH TOE OF DUNE
- 2017 ENHANCED CONSTRUCTION ZONE
- - - - 2016 4' CONTOUR
- - - - 2016 APPROXIMATE LINE OF VEGETATION
- - - - 2016 SOUTH TOE OF DUNE
- - - - 2016 NORTH TOE OF DUNE
- - - - 2016 MEAN HIGH WATER
- - - - 2016 MEAN LOW WATER
- - - - 2016 25' OFFSET NORTH TOE OF DUNE
- - - - 2016 ENHANCED CONSTRUCTION ZONE
- CONTOURS

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 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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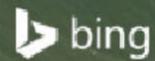
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
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| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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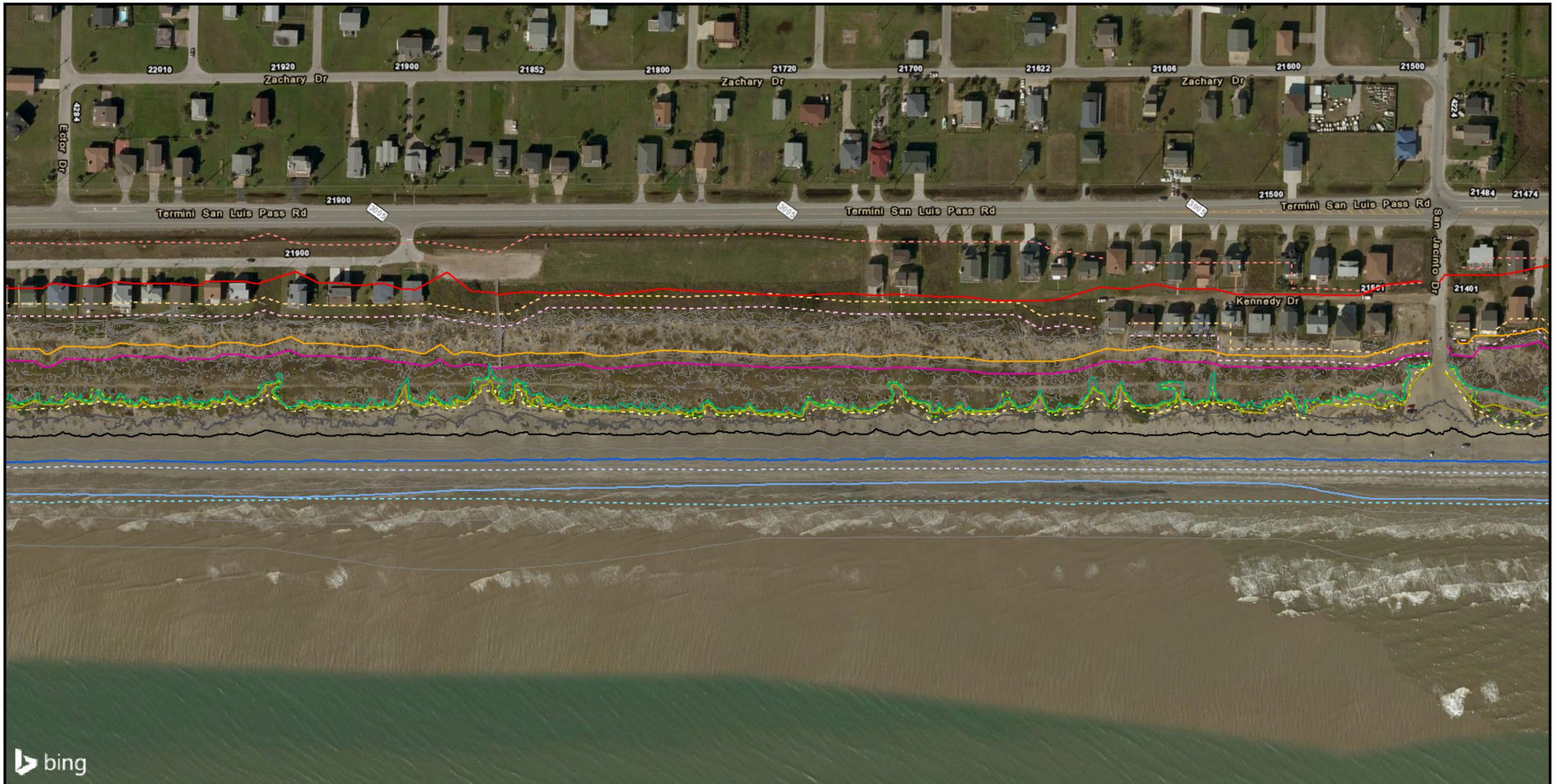
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
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| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)



2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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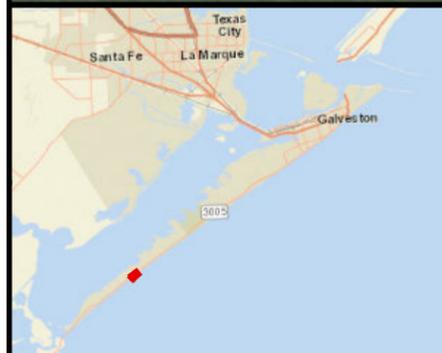
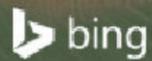
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

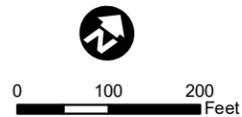
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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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 Texas South Central  
 Units: Feet  
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# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

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- 2017 3' CONTOUR
- 2017 4' CONTOUR
- 2017 LINE OF VEGETATION
- 2017 SOUTH TOE OF DUNE
- 2017 NORTH TOE OF DUNE
- 2017 MEAN HIGH WATER
- 2017 MEAN LOW WATER
- 2017 25' OFFSET NORTH TOE OF DUNE
- 2017 ENHANCED CONSTRUCTION ZONE
- - - - 2016 4' CONTOUR
- - - - 2016 APPROXIMATE LINE OF VEGETATION
- - - - 2016 SOUTH TOE OF DUNE
- - - - 2016 NORTH TOE OF DUNE
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- - - - 2016 MEAN LOW WATER
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- - - - 2016 ENHANCED CONSTRUCTION ZONE
- CONTOURS

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 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)



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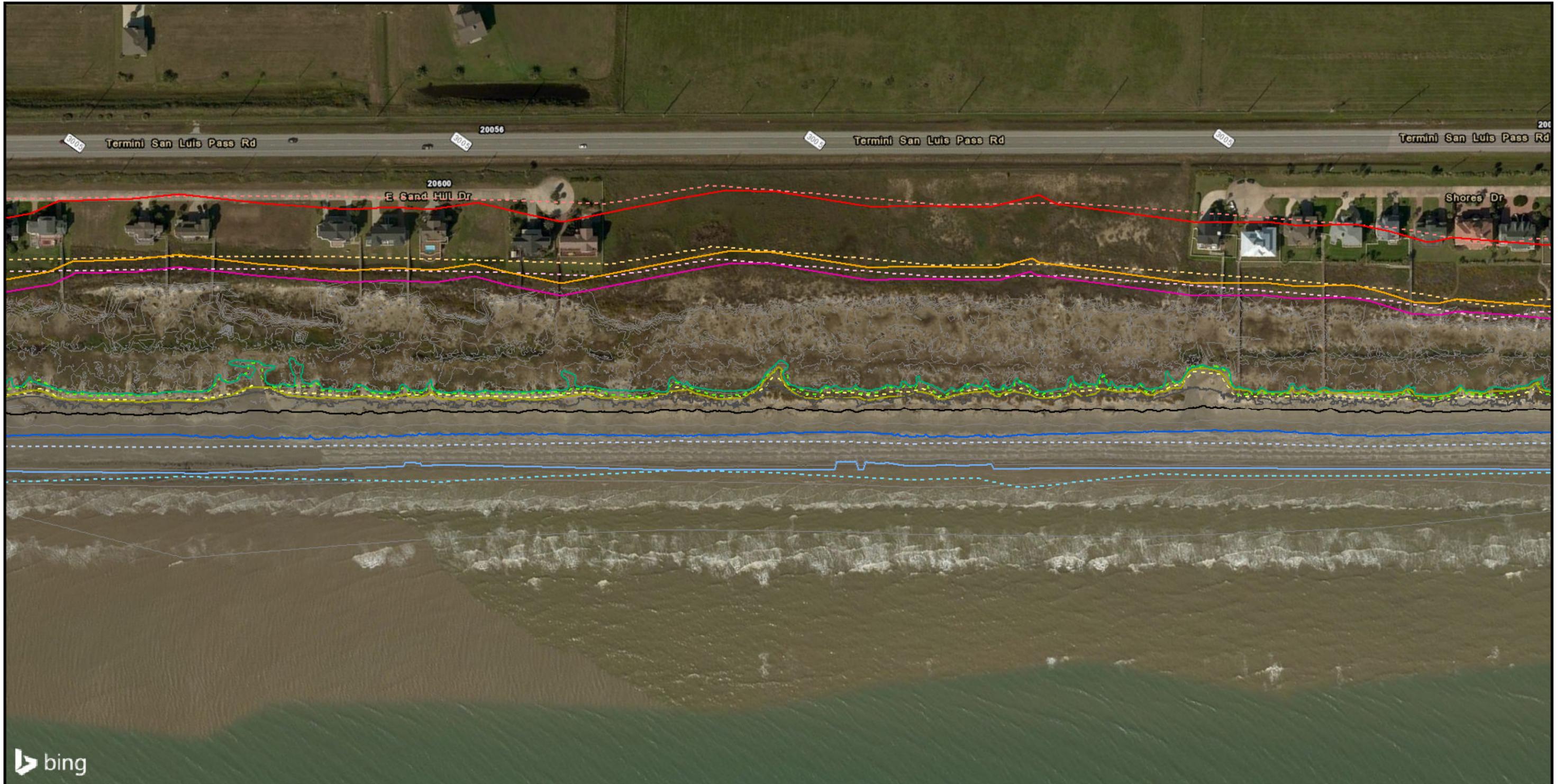
Job No.: 100053964

Scale: 1" = 200'

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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
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| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
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2017 Wading Depth Survey  
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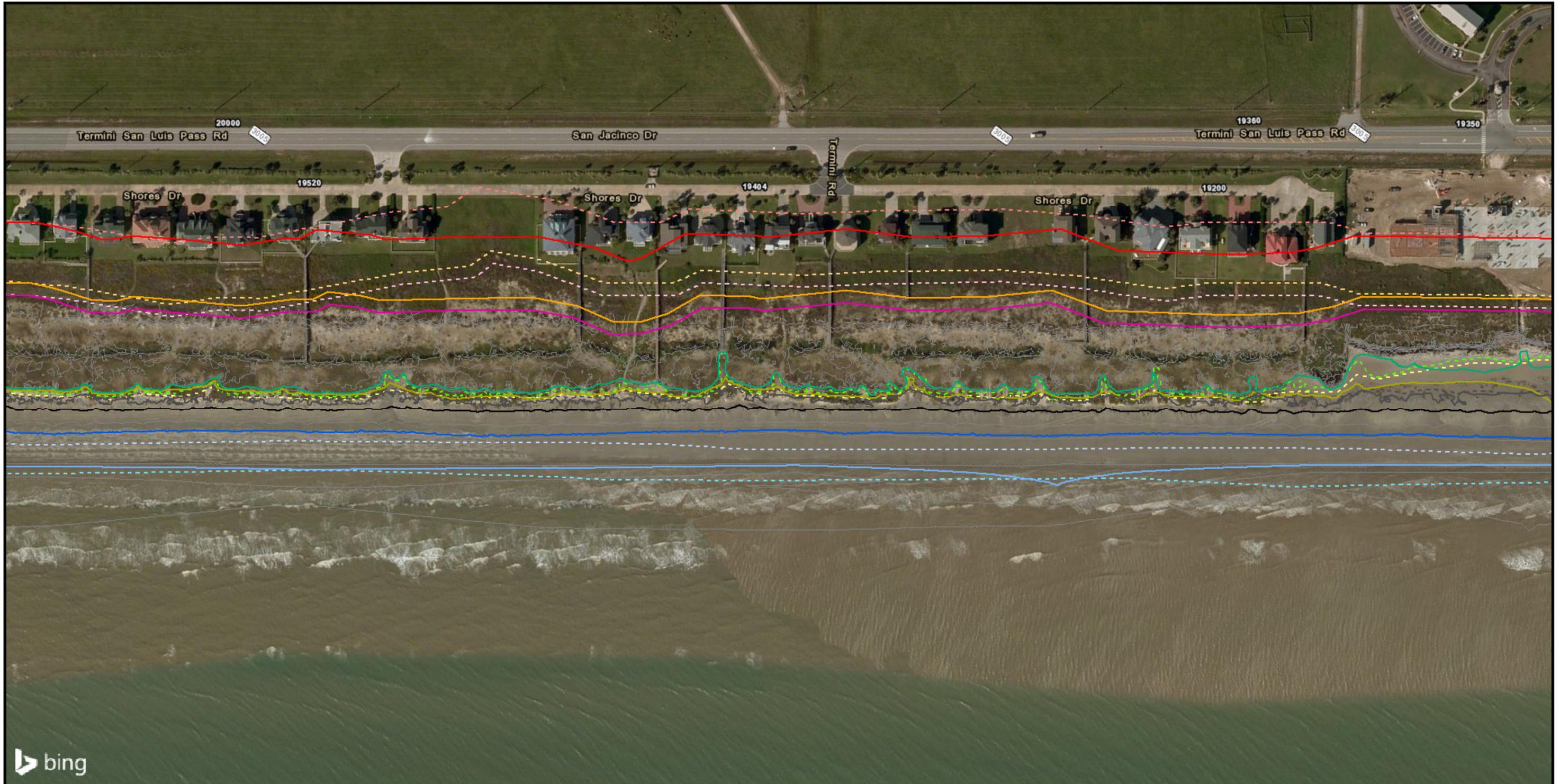
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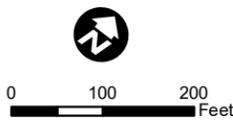
- 2017 MEAN HIGH WATER
- 2017 MEAN LOW WATER
- 2017 25' OFFSET NORTH TOE OF DUNE
- 2017 ENHANCED CONSTRUCTION ZONE

- - - - 2016 4' CONTOUR
- - - - 2016 APPROXIMATE LINE OF VEGETATION
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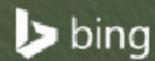
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 City of Galveston

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Job No.: 100053964	Scale: 1" = 200'
Prepared By: Atkins/WHIT6392	Date: Sep 06, 2017



- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
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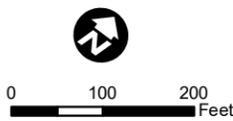
- 2017 MEAN HIGH WATER
- 2017 MEAN LOW WATER
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- - - - 2016 4' CONTOUR
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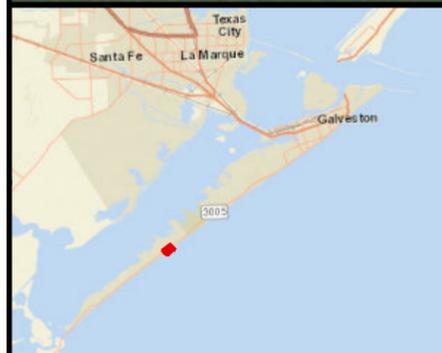
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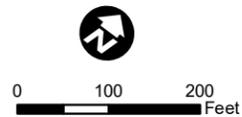
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 City of Galveston

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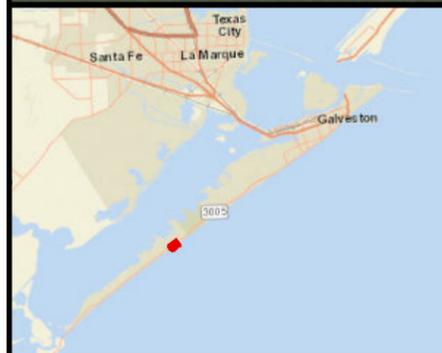
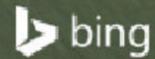
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|---------------------------|-------------------------------------|---|---|
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2017 Wading Depth Survey  
 City of Galveston

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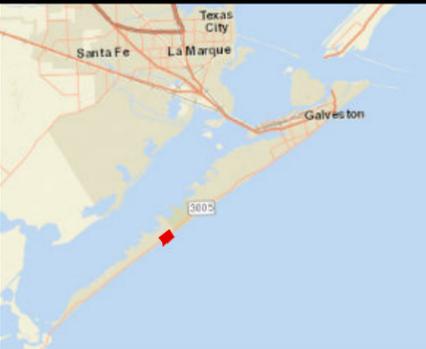
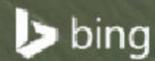
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|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
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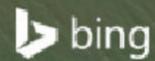
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|---------------------------|-------------------------------------|---|---|
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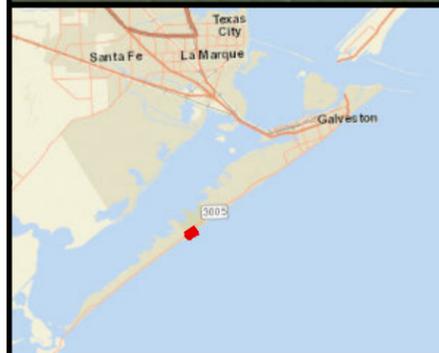
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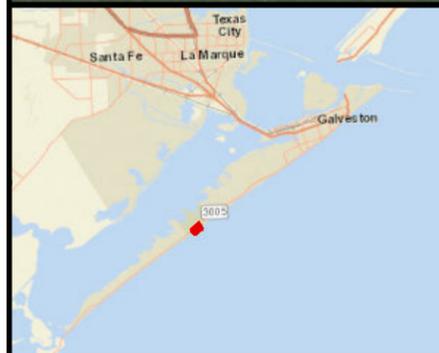
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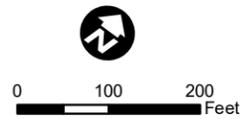
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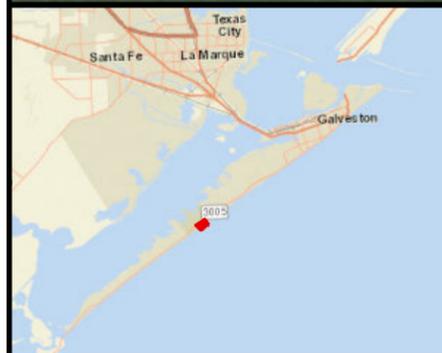
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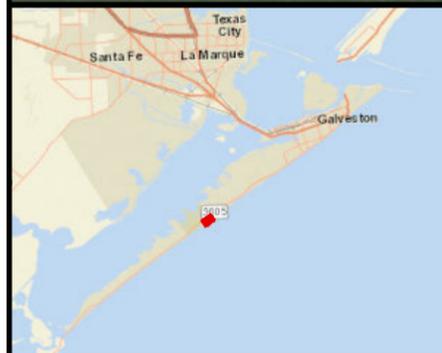
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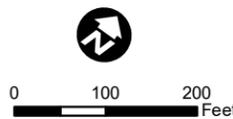
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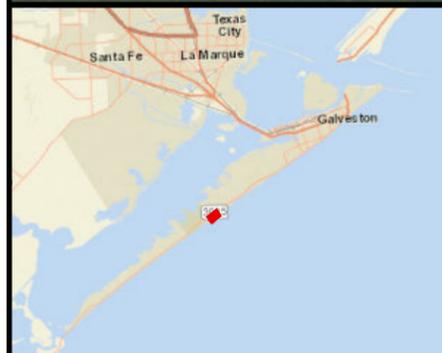
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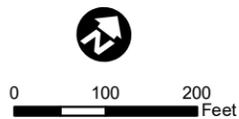
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|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

# ATKINS

## 2017 Wading Depth Survey City of Galveston

Galveston County, Texas  
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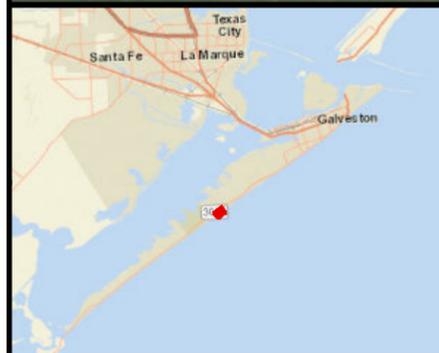
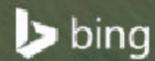
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
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| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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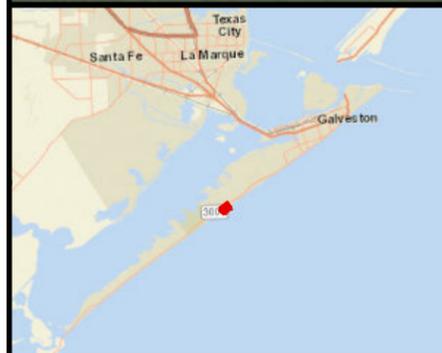
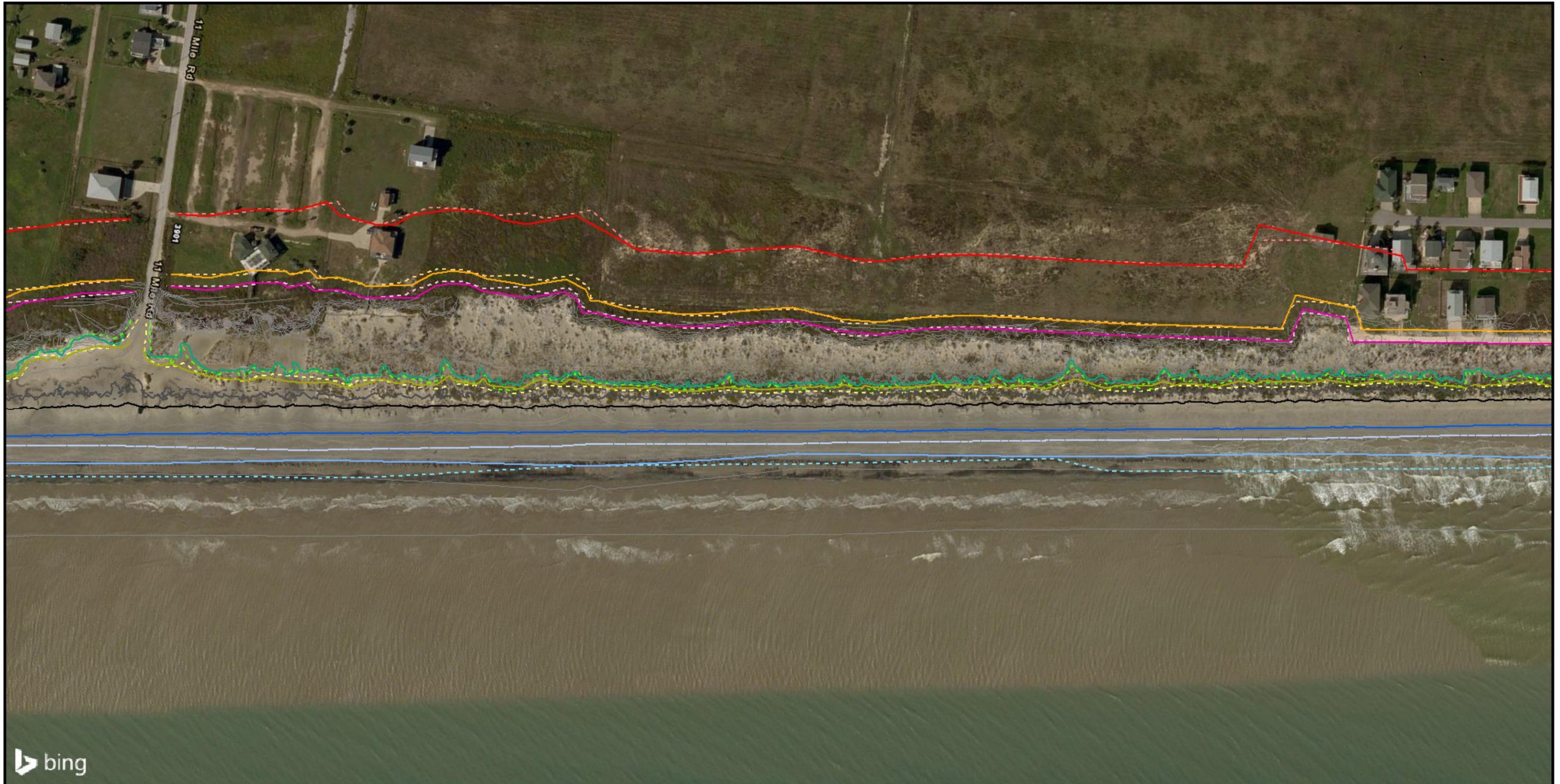
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

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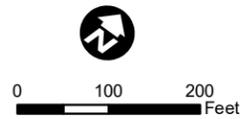
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- 2017 3' CONTOUR
- 2017 4' CONTOUR
- 2017 LINE OF VEGETATION
- 2017 SOUTH TOE OF DUNE
- 2017 NORTH TOE OF DUNE
- 2017 MEAN HIGH WATER
- 2017 MEAN LOW WATER
- 2017 25' OFFSET NORTH TOE OF DUNE
- 2017 ENHANCED CONSTRUCTION ZONE
- - - - 2016 4' CONTOUR
- - - - 2016 APPROXIMATE LINE OF VEGETATION
- - - - 2016 SOUTH TOE OF DUNE
- - - - 2016 NORTH TOE OF DUNE
- - - - 2016 MEAN HIGH WATER
- - - - 2016 MEAN LOW WATER
- - - - 2016 25' OFFSET NORTH TOE OF DUNE
- - - - 2016 ENHANCED CONSTRUCTION ZONE
- CONTOURS

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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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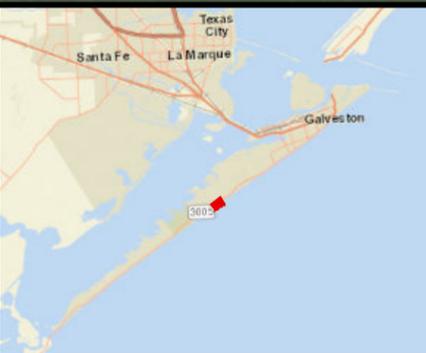
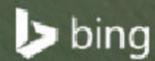
Job No.: 100053964

Scale: 1" = 200'

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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
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| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
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# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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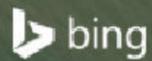
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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
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# ATKINS

## 2017 Wading Depth Survey City of Galveston

Galveston County, Texas  
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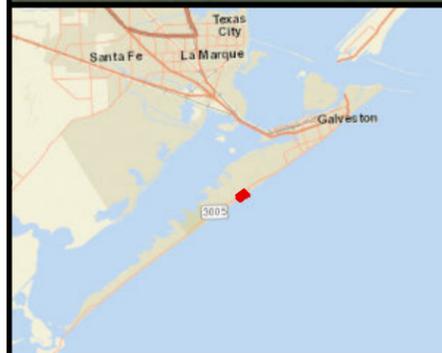
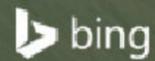
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Scale: 1" = 200'

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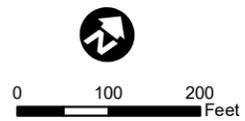
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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
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# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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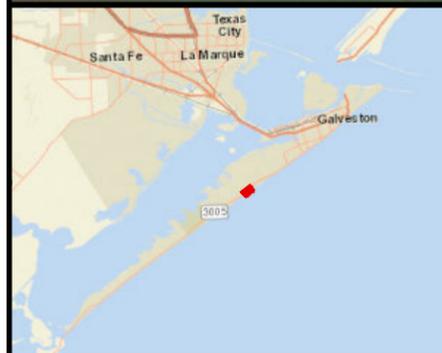
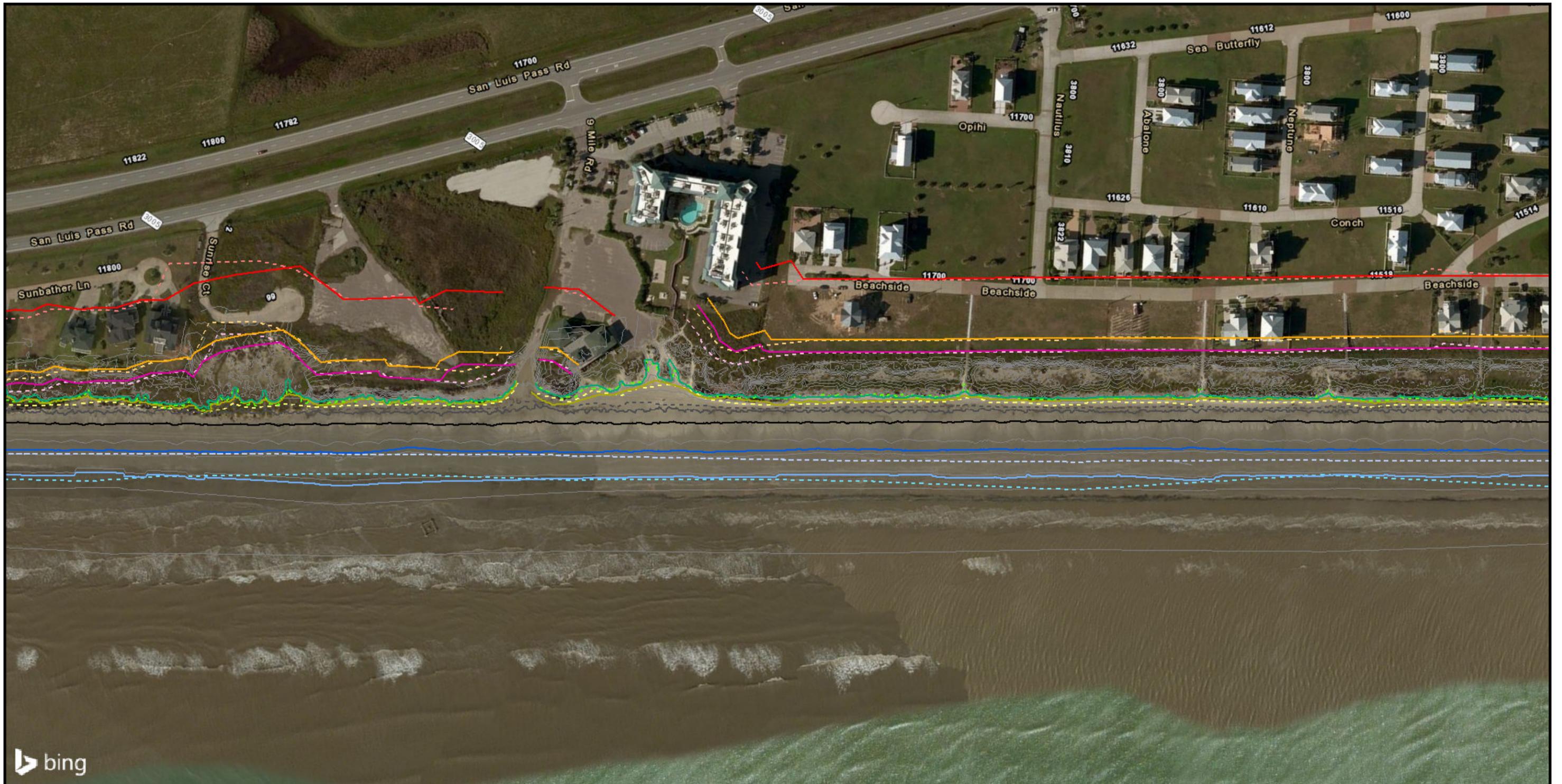
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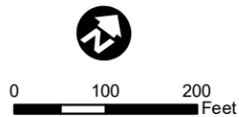
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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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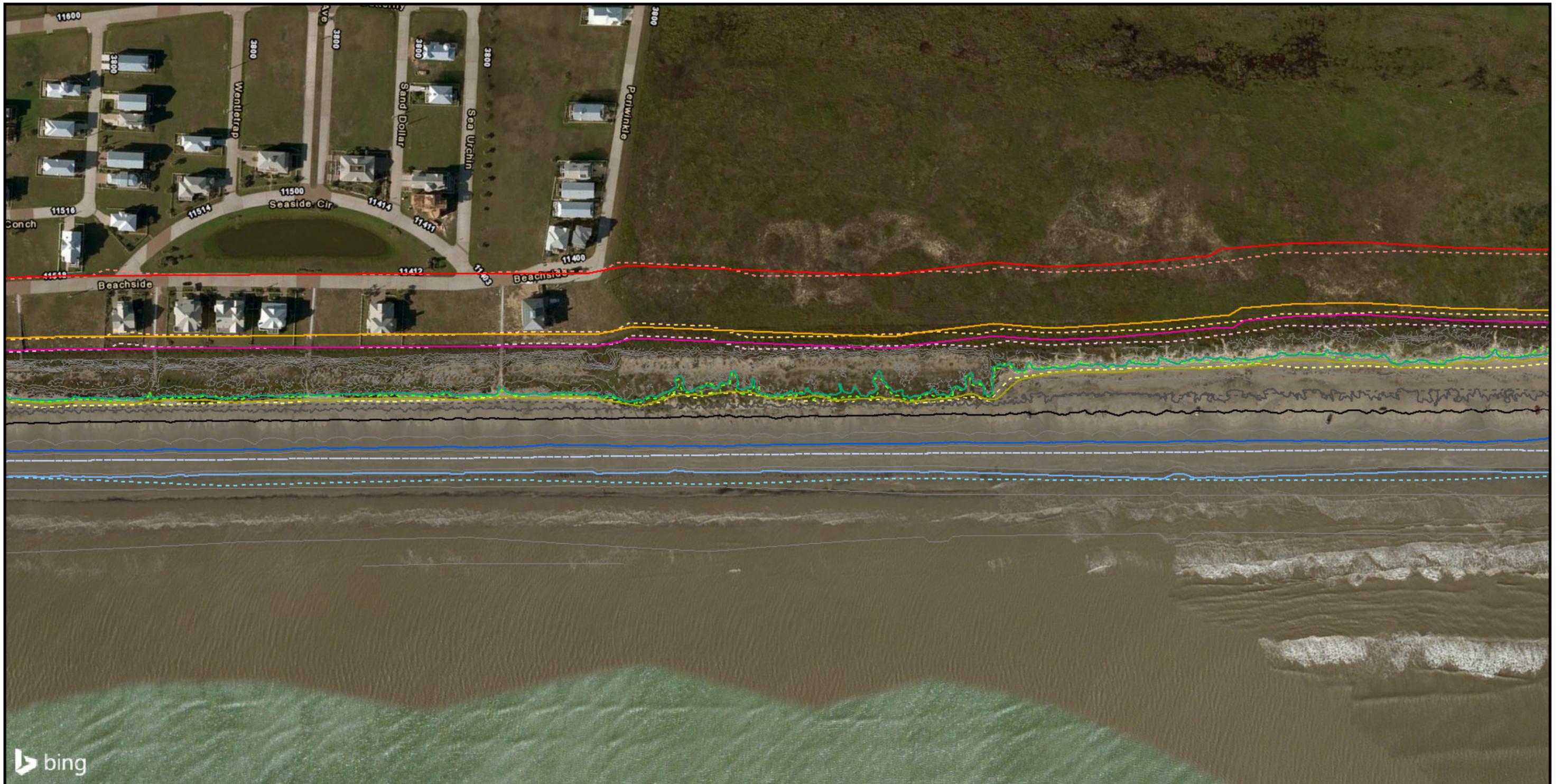
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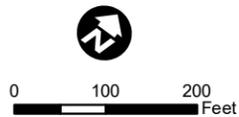
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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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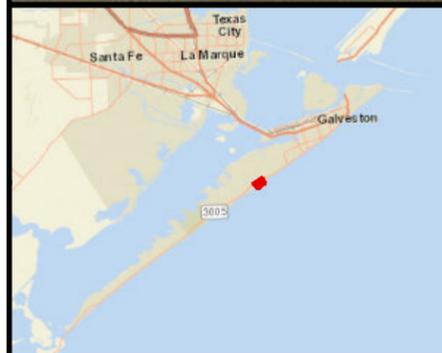
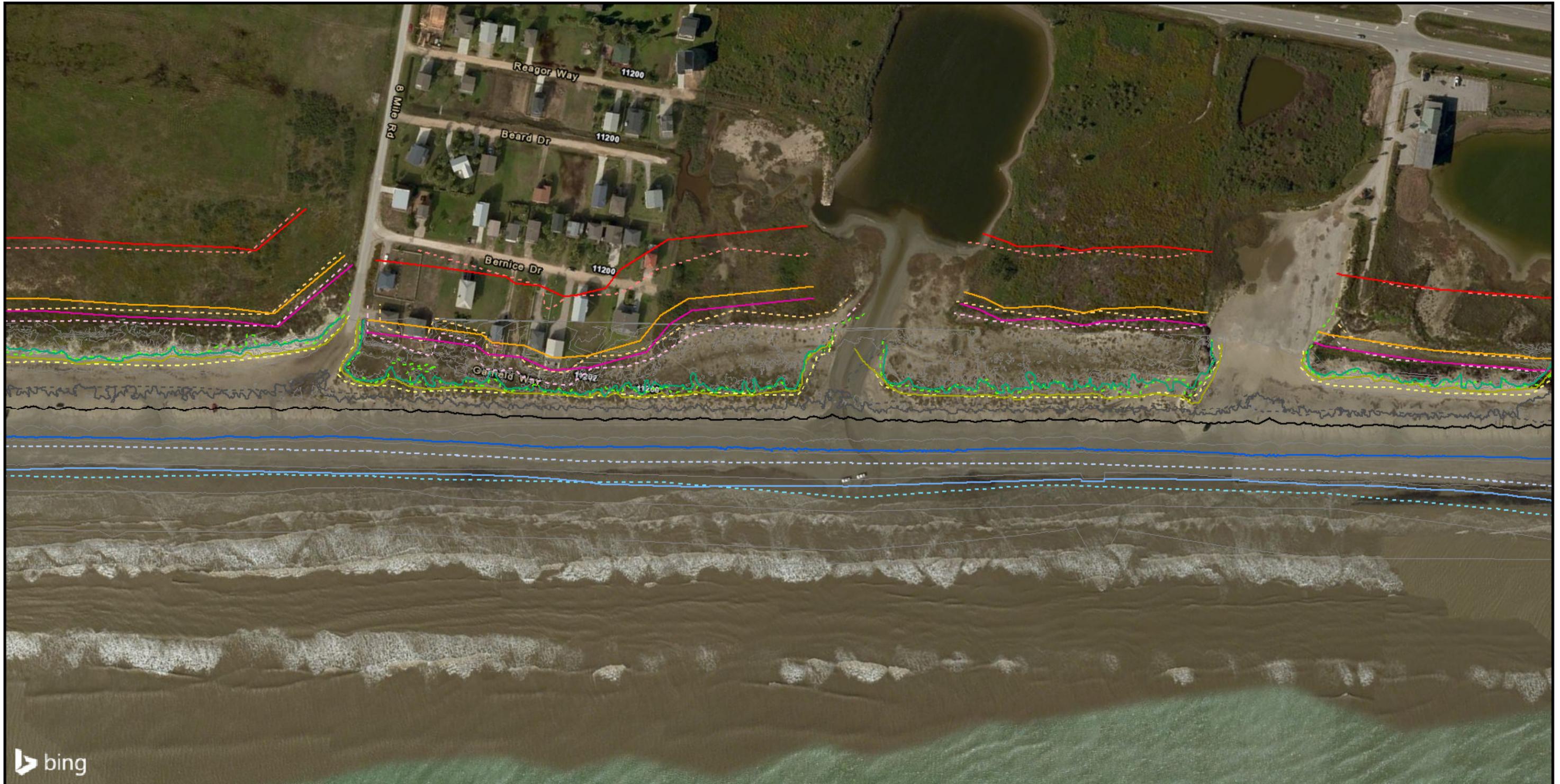
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- 2017 3' CONTOUR
- 2017 4' CONTOUR
- 2017 LINE OF VEGETATION
- 2017 SOUTH TOE OF DUNE
- 2017 NORTH TOE OF DUNE

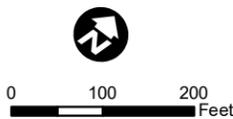
- 2017 MEAN HIGH WATER
- 2017 MEAN LOW WATER
- 2017 25' OFFSET NORTH TOE OF DUNE
- 2017 ENHANCED CONSTRUCTION ZONE

- - - - 2016 4' CONTOUR
- - - - 2016 APPROXIMATE LINE OF VEGETATION
- - - - 2016 SOUTH TOE OF DUNE
- - - - 2016 NORTH TOE OF DUNE

- - - - 2016 MEAN HIGH WATER
- - - - 2016 MEAN LOW WATER
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- CONTOURS

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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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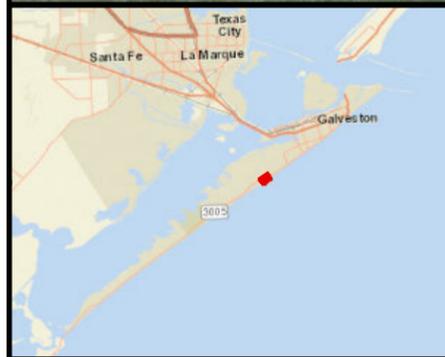
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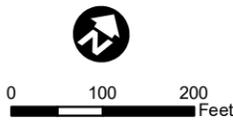
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— 2017 3' CONTOUR	— 2017 MEAN HIGH WATER	- - - - 2016 4' CONTOUR	- - - - 2016 MEAN HIGH WATER
— 2017 4' CONTOUR	— 2017 MEAN LOW WATER	- - - - 2016 APPROXIMATE LINE OF VEGETATION	- - - - 2016 MEAN LOW WATER
— 2017 LINE OF VEGETATION	— 2017 25' OFFSET NORTH TOE OF DUNE	- - - - 2016 SOUTH TOE OF DUNE	- - - - 2016 25' OFFSET NORTH TOE OF DUNE
— 2017 SOUTH TOE OF DUNE	— 2017 ENHANCED CONSTRUCTION ZONE	- - - - 2016 NORTH TOE OF DUNE	- - - - 2016 ENHANCED CONSTRUCTION ZONE
— 2017 NORTH TOE OF DUNE		— CONTOURS	

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# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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Job No.: 100053964	Scale: 1" = 200'
Prepared By: Atkins/WHIT6392	Date: Sep 06, 2017

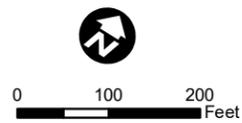
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|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
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2017 Wading Depth Survey  
 City of Galveston

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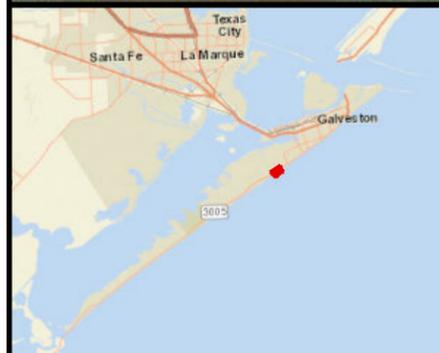
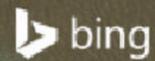
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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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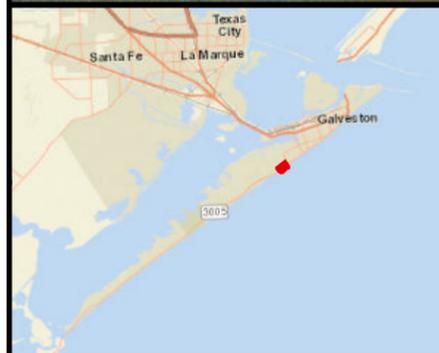
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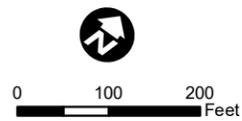
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- 2017 3' CONTOUR
- 2017 4' CONTOUR
- 2017 LINE OF VEGETATION
- 2017 SOUTH TOE OF DUNE
- 2017 NORTH TOE OF DUNE
- 2017 MEAN HIGH WATER
- 2017 MEAN LOW WATER
- 2017 25' OFFSET NORTH TOE OF DUNE
- 2017 ENHANCED CONSTRUCTION ZONE
- - - - 2016 4' CONTOUR
- - - - 2016 APPROXIMATE LINE OF VEGETATION
- - - - 2016 SOUTH TOE OF DUNE
- - - - 2016 NORTH TOE OF DUNE
- - - - 2016 MEAN HIGH WATER
- - - - 2016 MEAN LOW WATER
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- - - - 2016 ENHANCED CONSTRUCTION ZONE
- CONTOURS

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Datum: NAD 1983  
 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)



2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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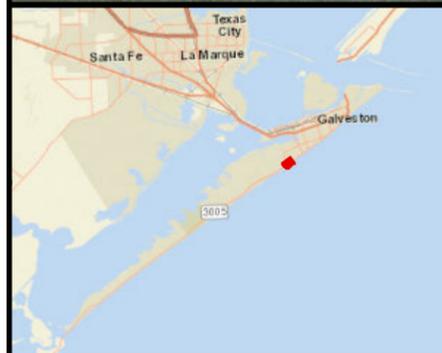
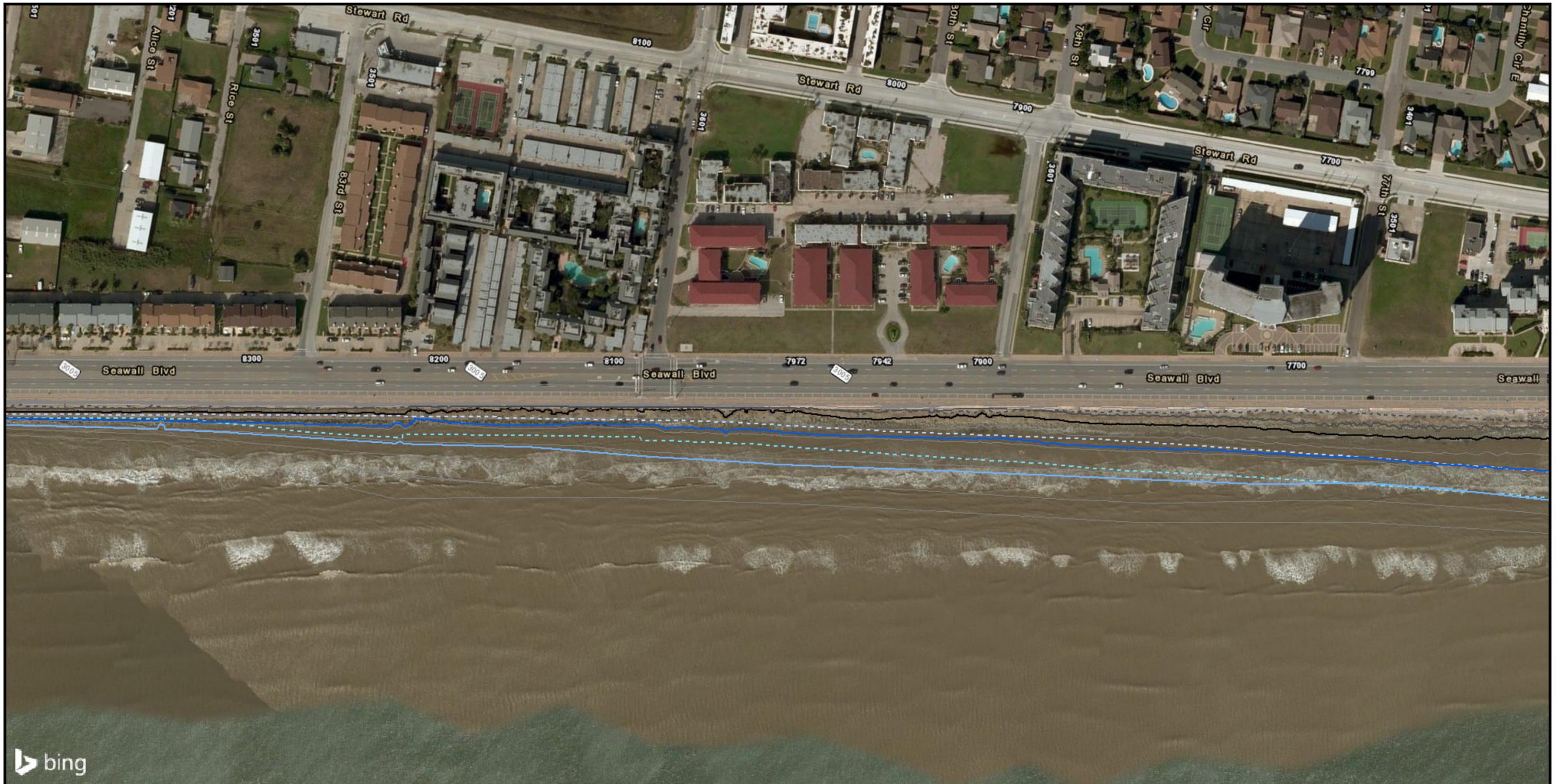
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Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

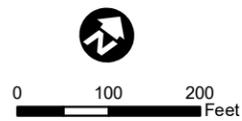
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- 2017 3' CONTOUR
- 2017 4' CONTOUR
- 2017 LINE OF VEGETATION
- 2017 SOUTH TOE OF DUNE
- 2017 NORTH TOE OF DUNE
- 2017 MEAN HIGH WATER
- 2017 MEAN LOW WATER
- 2017 25' OFFSET NORTH TOE OF DUNE
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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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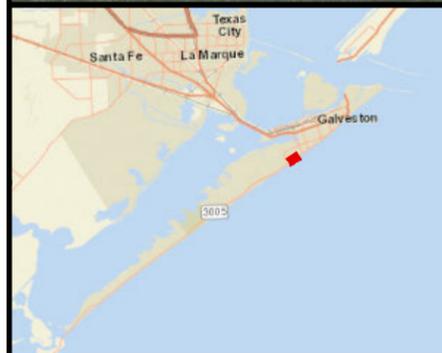
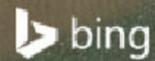
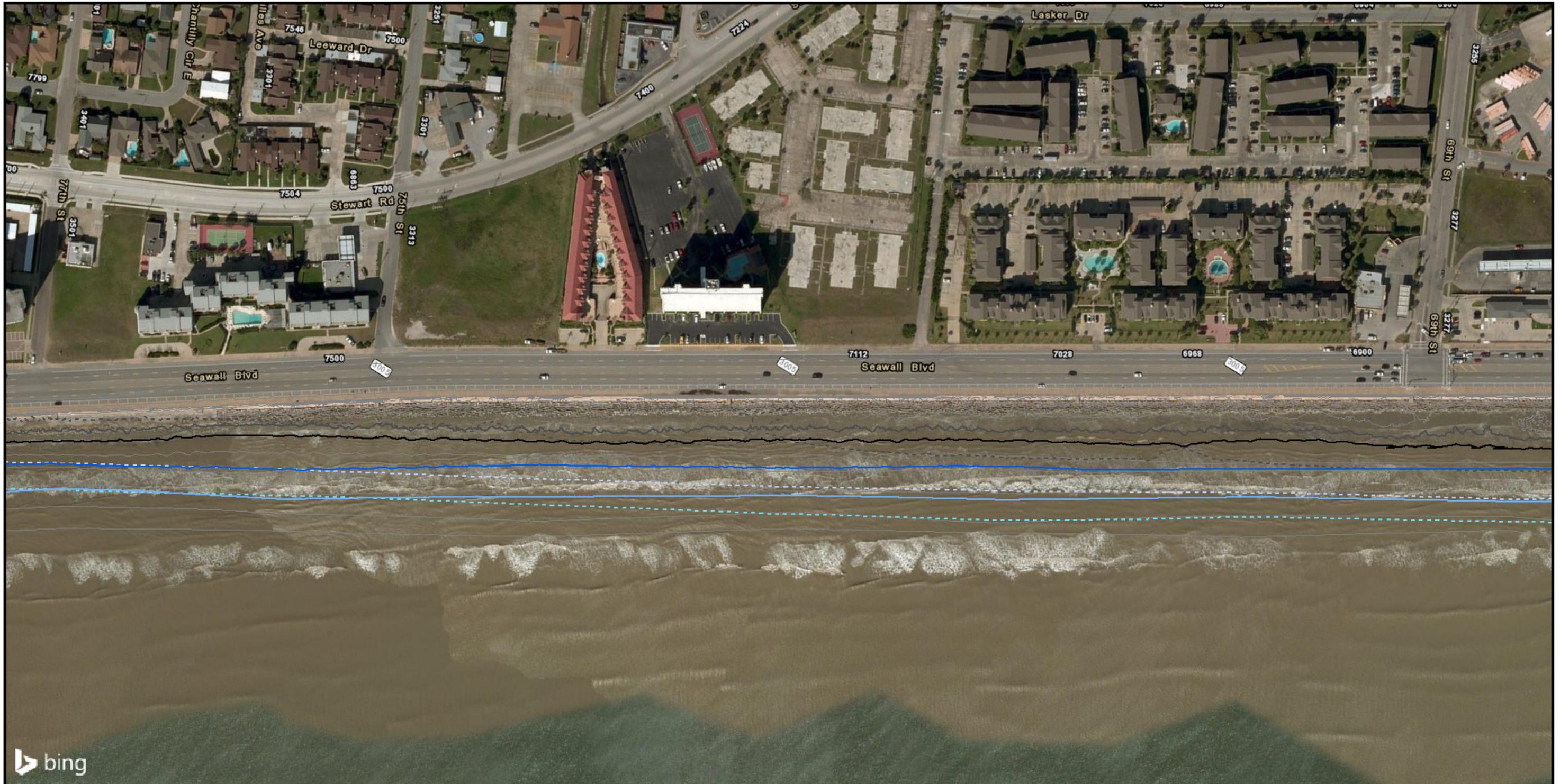
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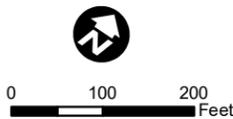
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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     |   | — CONTOURS                                |

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 City of Galveston

Galveston County, Texas  
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Job No.: 100053964

Scale: 1" = 200'

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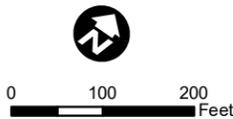
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|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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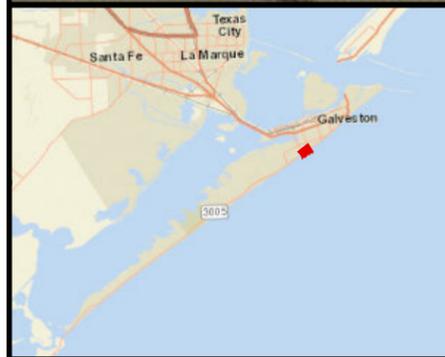
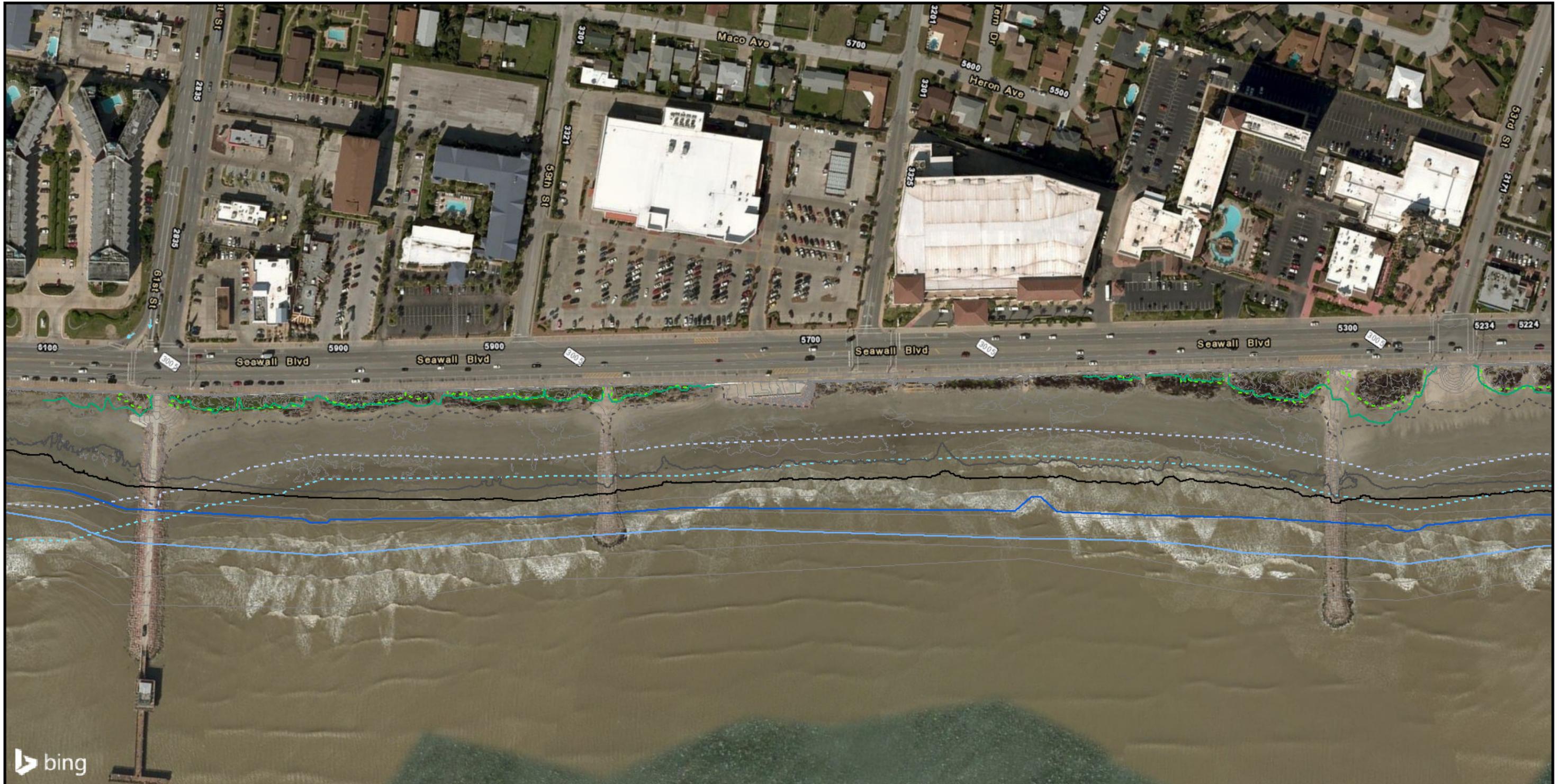
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Date: Sep 06, 2017

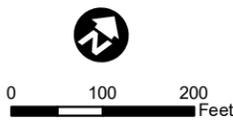
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— 2017 3' CONTOUR	— 2017 MEAN HIGH WATER	- - - - 2016 4' CONTOUR	- - - - 2016 MEAN HIGH WATER
— 2017 4' CONTOUR	— 2017 MEAN LOW WATER	- - - - 2016 APPROXIMATE LINE OF VEGETATION	- - - - 2016 MEAN LOW WATER
— 2017 LINE OF VEGETATION	— 2017 25' OFFSET NORTH TOE OF DUNE	- - - - 2016 SOUTH TOE OF DUNE	- - - - 2016 25' OFFSET NORTH TOE OF DUNE
— 2017 SOUTH TOE OF DUNE	— 2017 ENHANCED CONSTRUCTION ZONE	- - - - 2016 NORTH TOE OF DUNE	- - - - 2016 ENHANCED CONSTRUCTION ZONE
— 2017 NORTH TOE OF DUNE		— CONTOURS	

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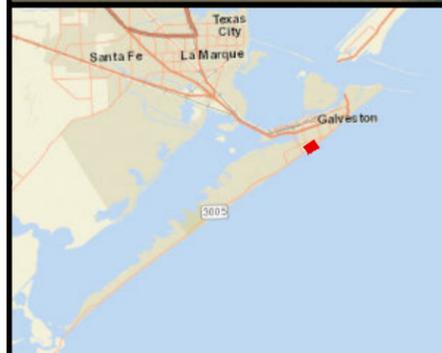
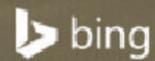
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# ATKINS

## 2017 Wading Depth Survey City of Galveston

Galveston County, Texas  
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Job No.: 100053964	Scale: 1" = 200'
Prepared By: Atkins/WHIT6392	Date: Sep 06, 2017



- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
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| — 2017 NORTH TOE OF DUNE  |                                     |   | — CONTOURS                                |

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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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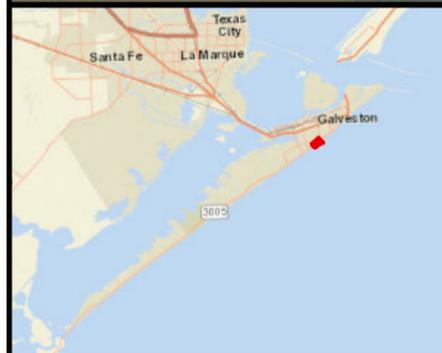
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|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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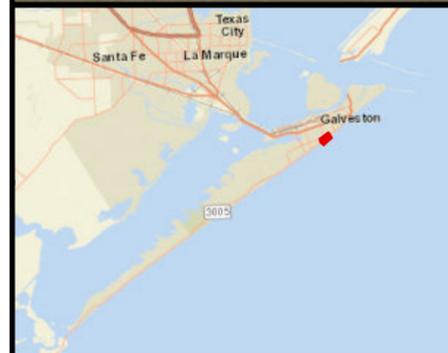
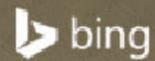
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|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
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| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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# ATKINS

## 2017 Wading Depth Survey City of Galveston

Galveston County, Texas  
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Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

Date: Sep 06, 2017

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|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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Job No.: 100053964

Scale: 1" = 200'

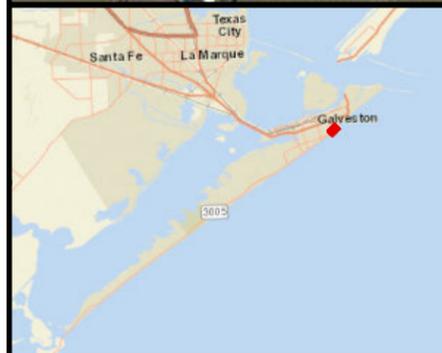
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|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
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 City of Galveston

Galveston County, Texas  
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Job No.: 100053964

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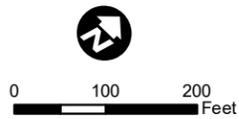
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|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
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2017 Wading Depth Survey  
 City of Galveston

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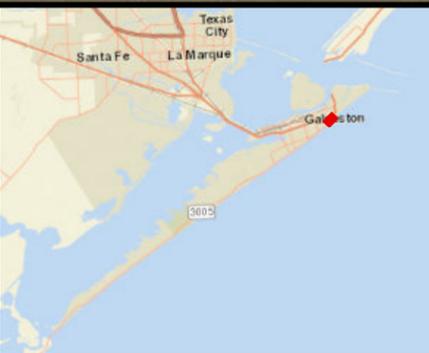
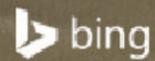
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|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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Job No.: 100053964

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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
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| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
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# ATKINS

2017 Wading Depth Survey  
 City of Galveston

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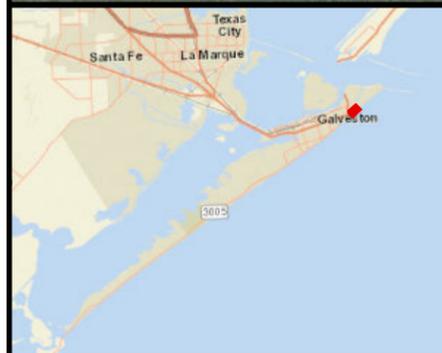
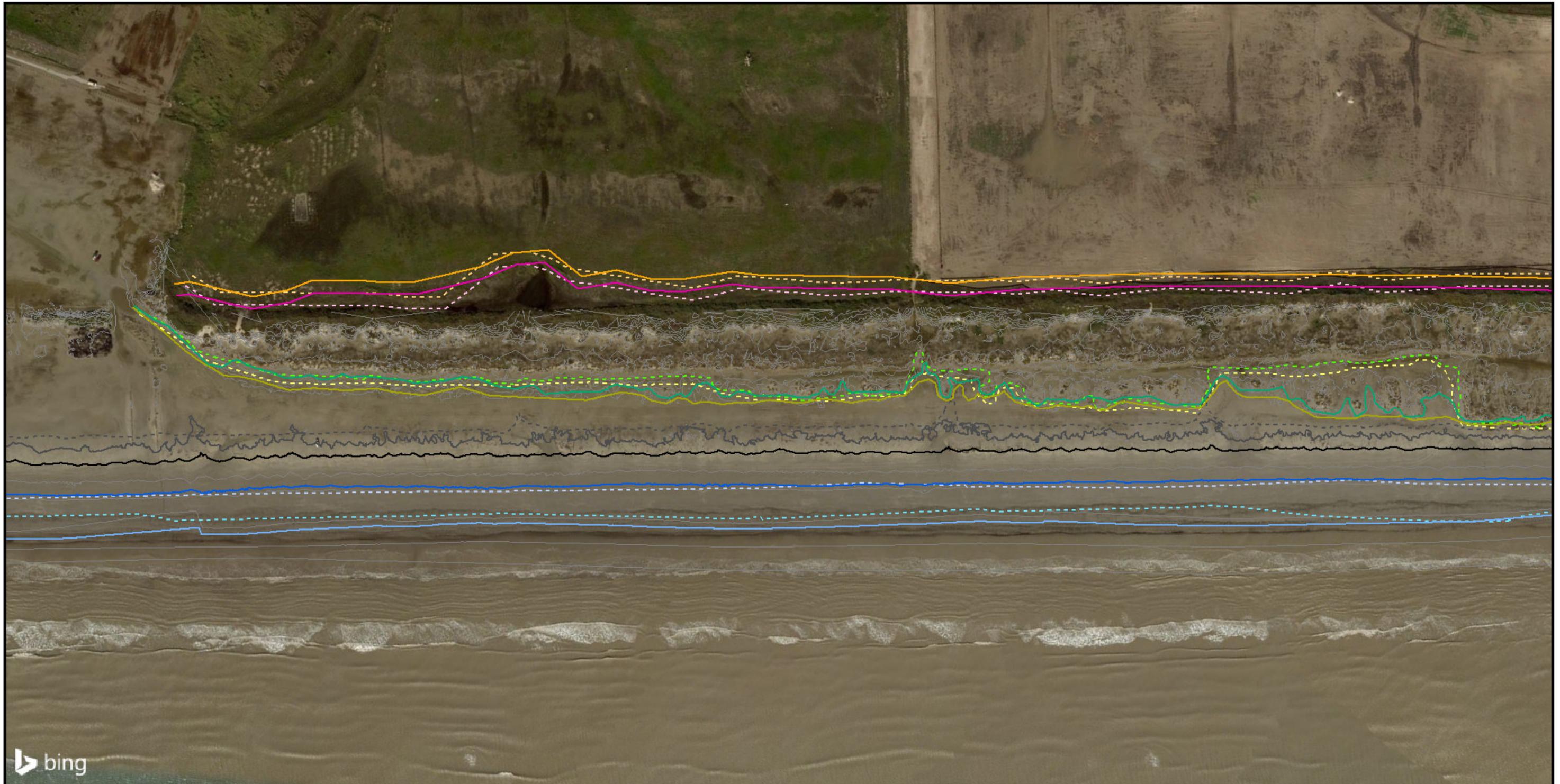
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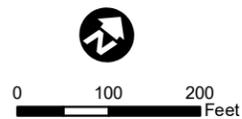
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- 2017 3' CONTOUR
- 2017 4' CONTOUR
- 2017 LINE OF VEGETATION
- 2017 SOUTH TOE OF DUNE
- 2017 NORTH TOE OF DUNE
- 2017 MEAN HIGH WATER
- 2017 MEAN LOW WATER
- 2017 25' OFFSET NORTH TOE OF DUNE
- 2017 ENHANCED CONSTRUCTION ZONE
- - - - 2016 4' CONTOUR
- - - - 2016 APPROXIMATE LINE OF VEGETATION
- - - - 2016 SOUTH TOE OF DUNE
- - - - 2016 NORTH TOE OF DUNE
- - - - 2016 MEAN HIGH WATER
- - - - 2016 MEAN LOW WATER
- - - - 2016 25' OFFSET NORTH TOE OF DUNE
- - - - 2016 ENHANCED CONSTRUCTION ZONE
- CONTOURS

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Datum: NAD 1983  
 Vertical Datum: NAVD88  
 Projection: State Plane  
 Texas South Central  
 Units: Feet  
 Aerials: BING Aerial (accessed 8/22/2017)

# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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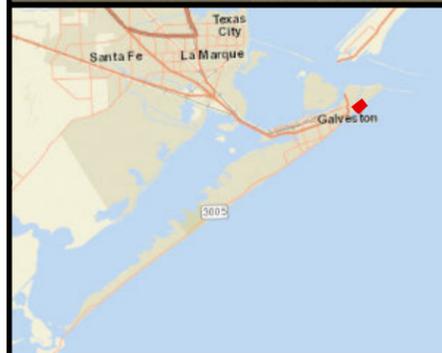
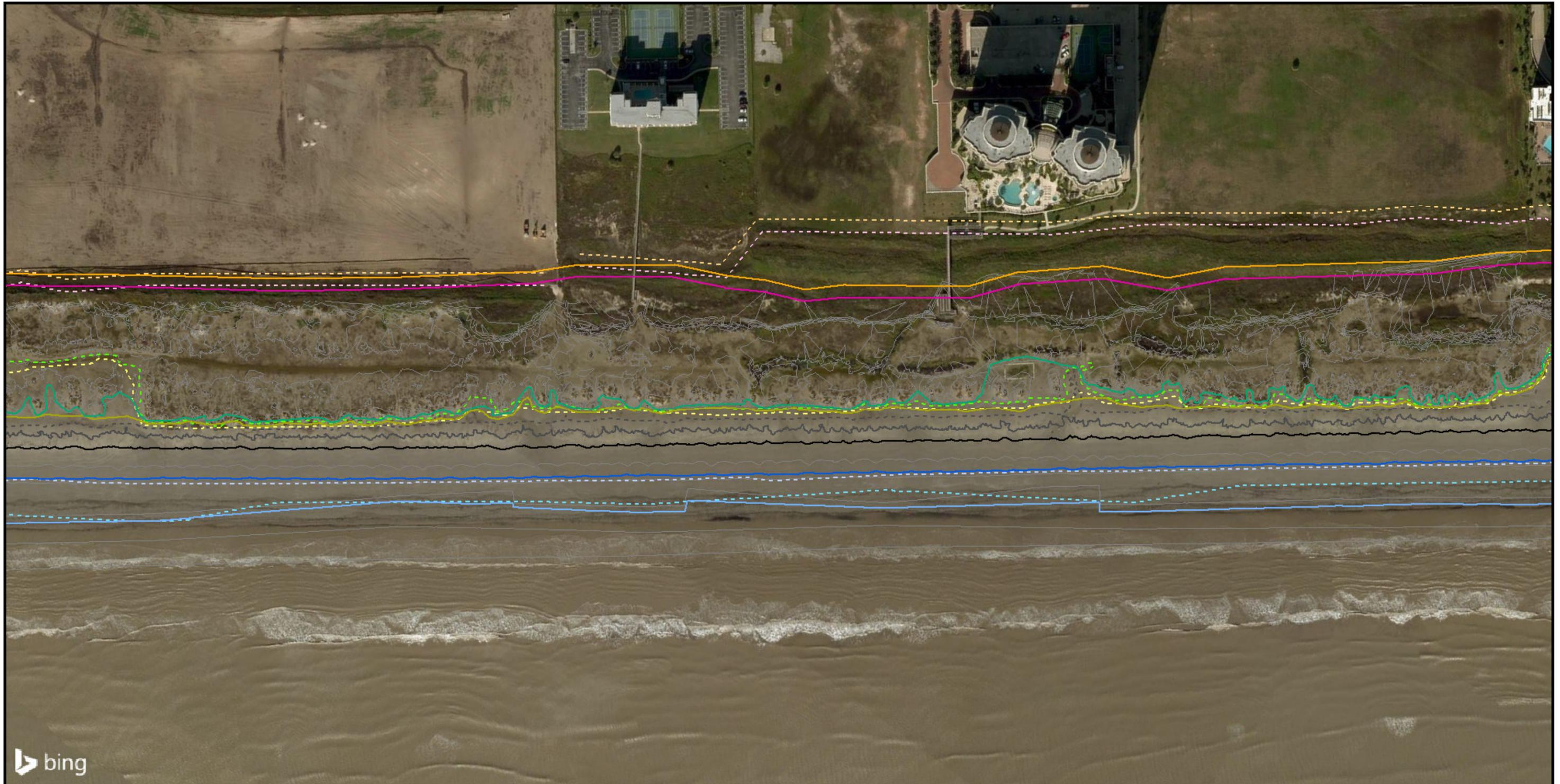
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

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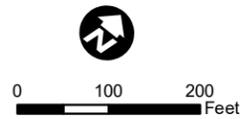
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- |                           |                                     |   |   |
|---------------------------|-------------------------------------|---|---|
| — 2017 3' CONTOUR         | — 2017 MEAN HIGH WATER              | - - - - 2016 4' CONTOUR                     | - - - - 2016 MEAN HIGH WATER              |
| — 2017 4' CONTOUR         | — 2017 MEAN LOW WATER               | - - - - 2016 APPROXIMATE LINE OF VEGETATION | - - - - 2016 MEAN LOW WATER               |
| — 2017 LINE OF VEGETATION | — 2017 25' OFFSET NORTH TOE OF DUNE | - - - - 2016 SOUTH TOE OF DUNE              | - - - - 2016 25' OFFSET NORTH TOE OF DUNE |
| — 2017 SOUTH TOE OF DUNE  | — 2017 ENHANCED CONSTRUCTION ZONE   | - - - - 2016 NORTH TOE OF DUNE              | - - - - 2016 ENHANCED CONSTRUCTION ZONE   |
| — 2017 NORTH TOE OF DUNE  |                                     | — CONTOURS                                  |   |

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# ATKINS

2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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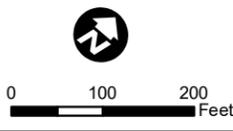
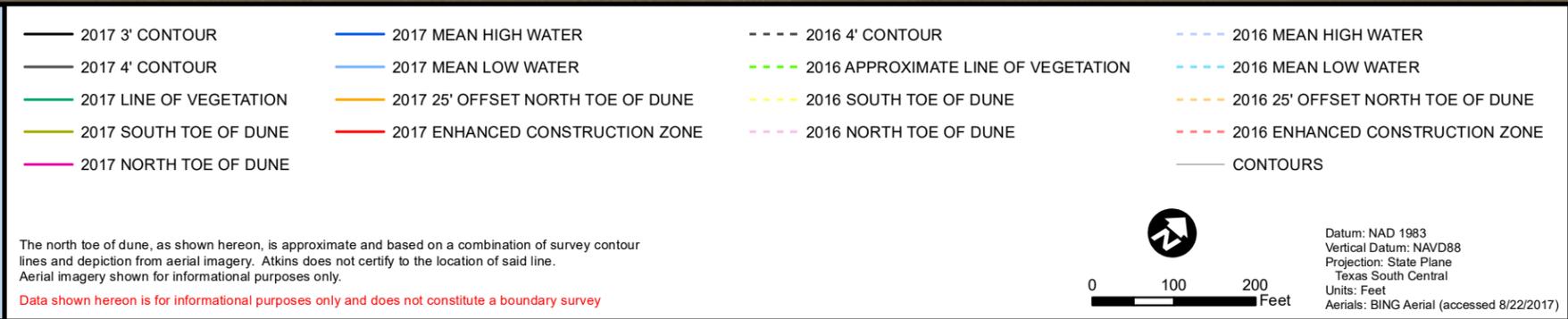
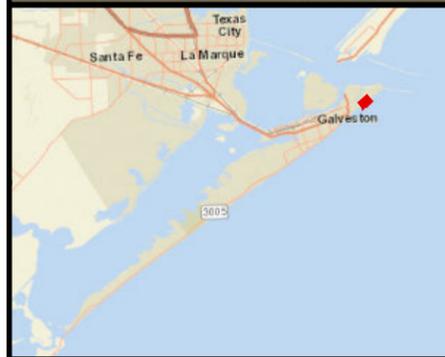
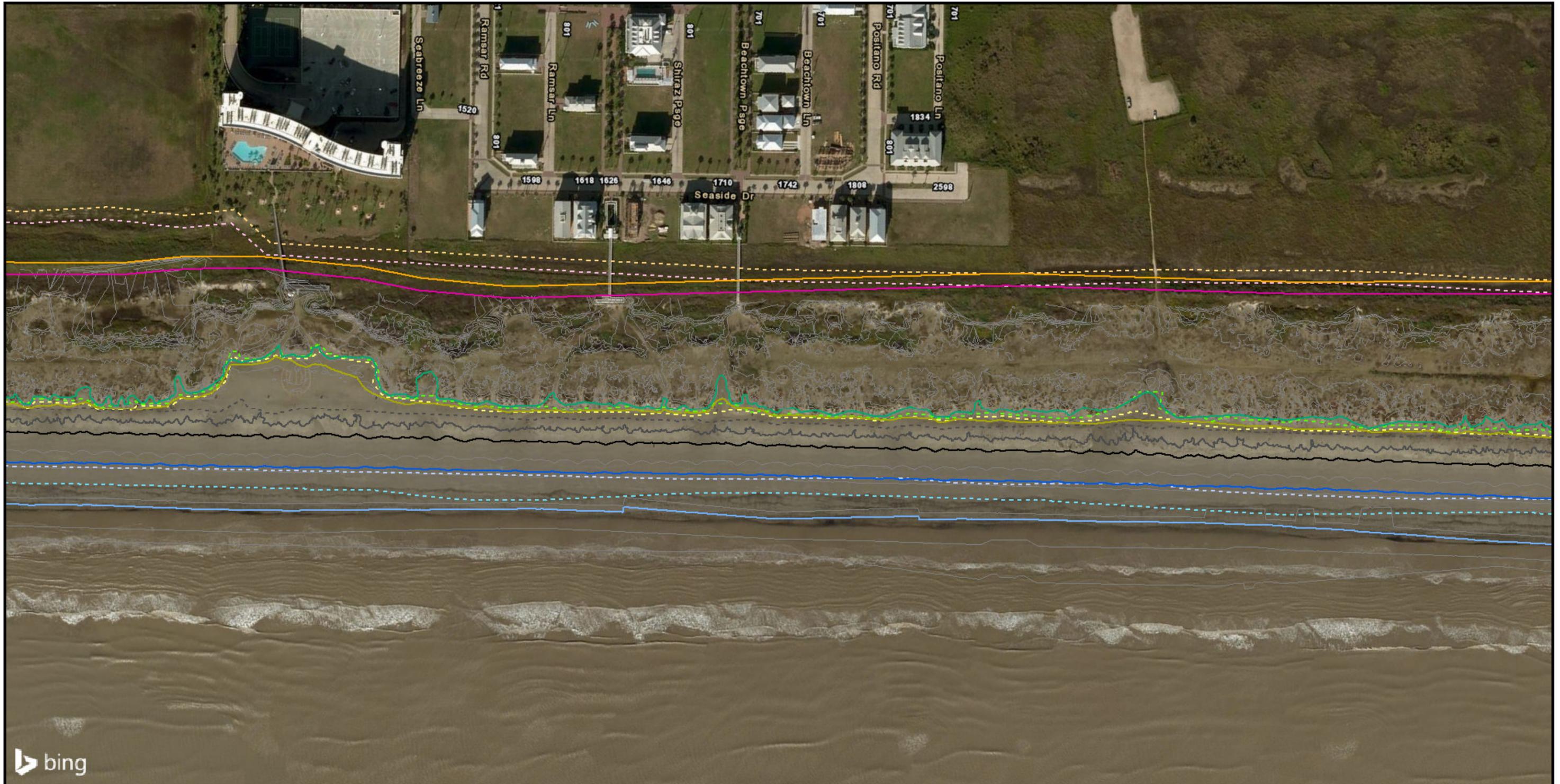
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

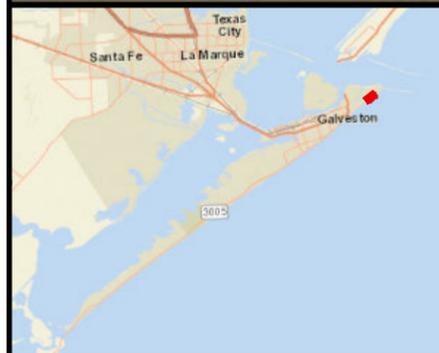
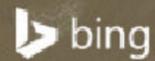
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Datum: NAD 1983  
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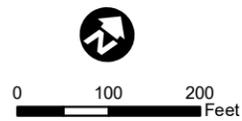
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2017 Wading Depth Survey City of Galveston	
Galveston County, Texas Page 54 of 57	
Job No.: 100053964	Scale: 1" = 200'
Prepared By: Atkins/WHIT6392	Date: Sep 06, 2017
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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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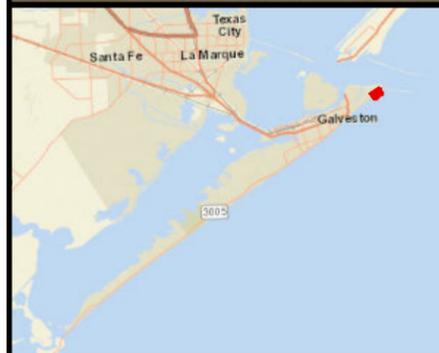
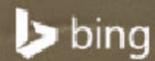
Job No.: 100053964

Scale: 1" = 200'

Prepared By: Atkins/WHIT6392

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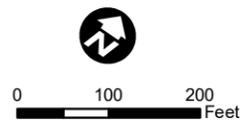
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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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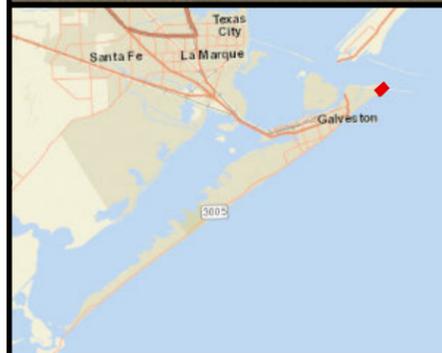
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Date: Sep 06, 2017

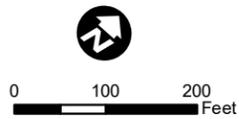
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- |                           |                                     |   |   |
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2017 Wading Depth Survey  
 City of Galveston

Galveston County, Texas  
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