

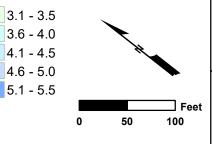
- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0



1 inch = 100 feet

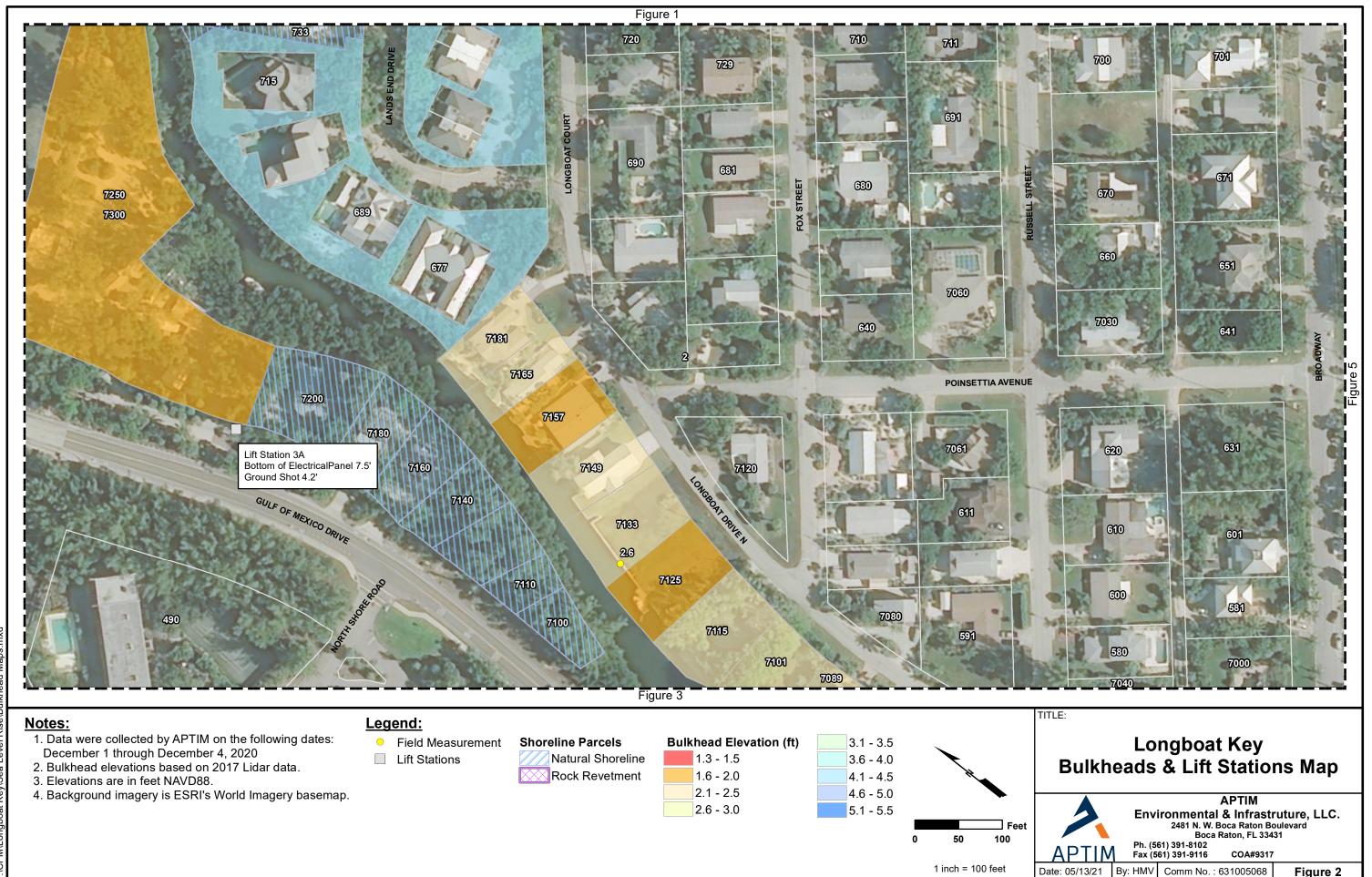
Longboat Key Bulkheads & Lift Stations Map

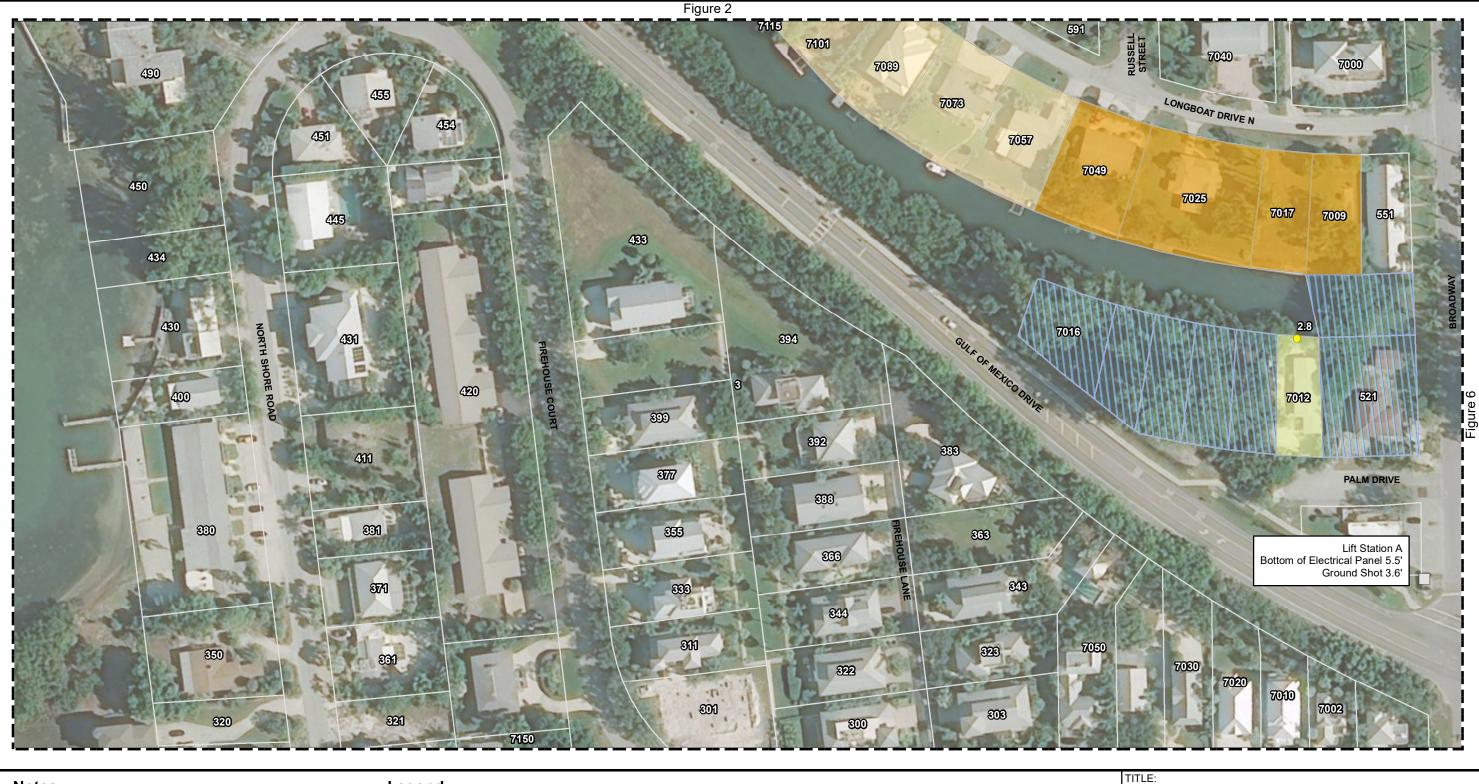


APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

Date: 05/13/21 By: HMV | Comm No. : 631005068 Figure 1





- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

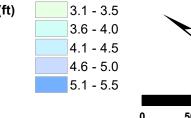
Legend:

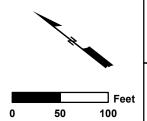
Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0





1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map

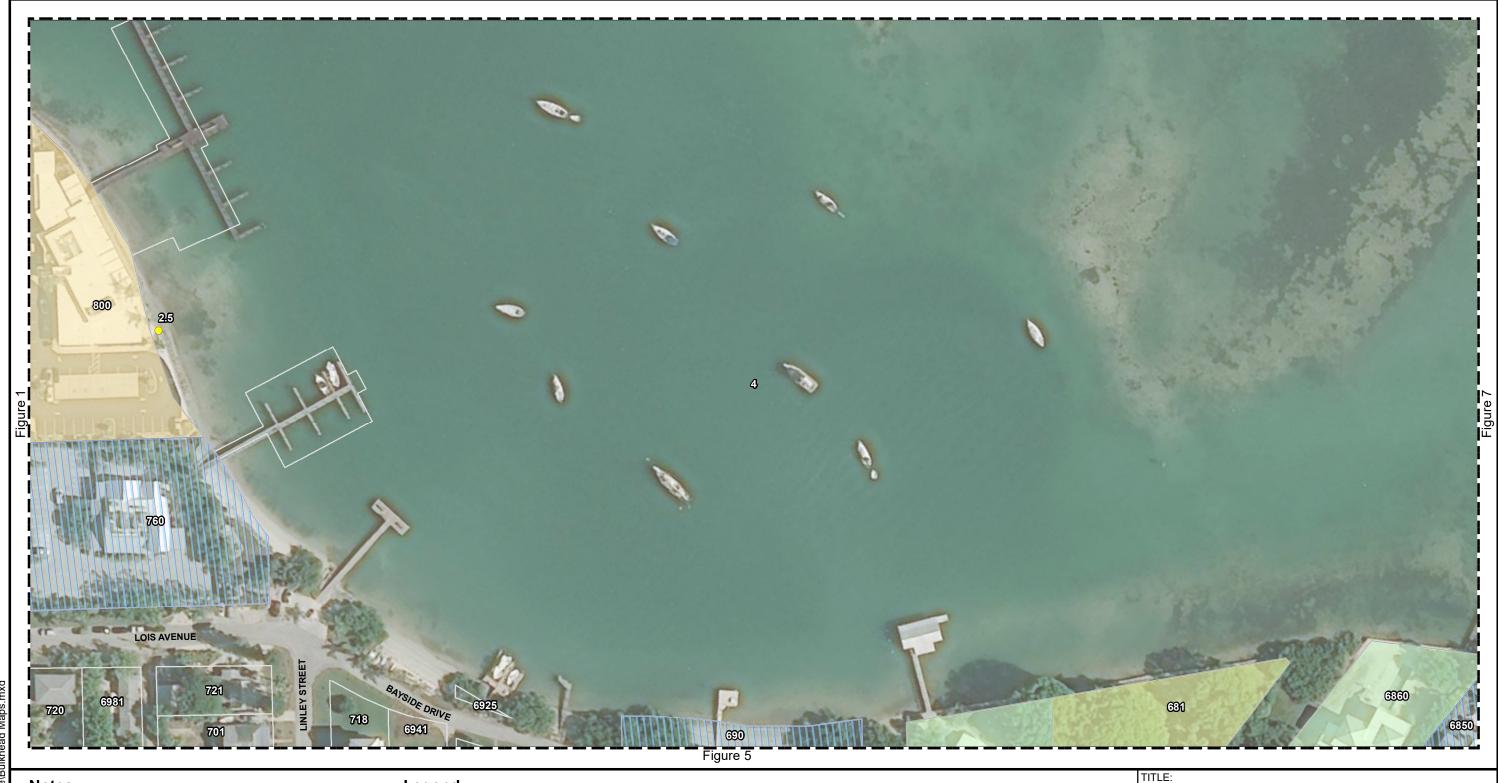


APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

COA#9317

Date: 05/13/21

By: HMV | Comm No. : 631005068 Figure 3



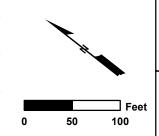
- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

 Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 3.1 - 3.5 1.3 - 1.5 3.6 - 4.0 1.6 - 2.0 4.1 - 4.5 2.1 - 2.5 4.6 - 5.0 2.6 - 3.0 5.1 - 5.5



1 inch = 100 feet

Date: 05/13/21

Ph. (561) 391-8102 Fax (561) 391-9116

Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

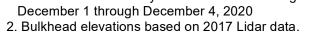
APTIM

By: HMV | Comm No. : 631005068

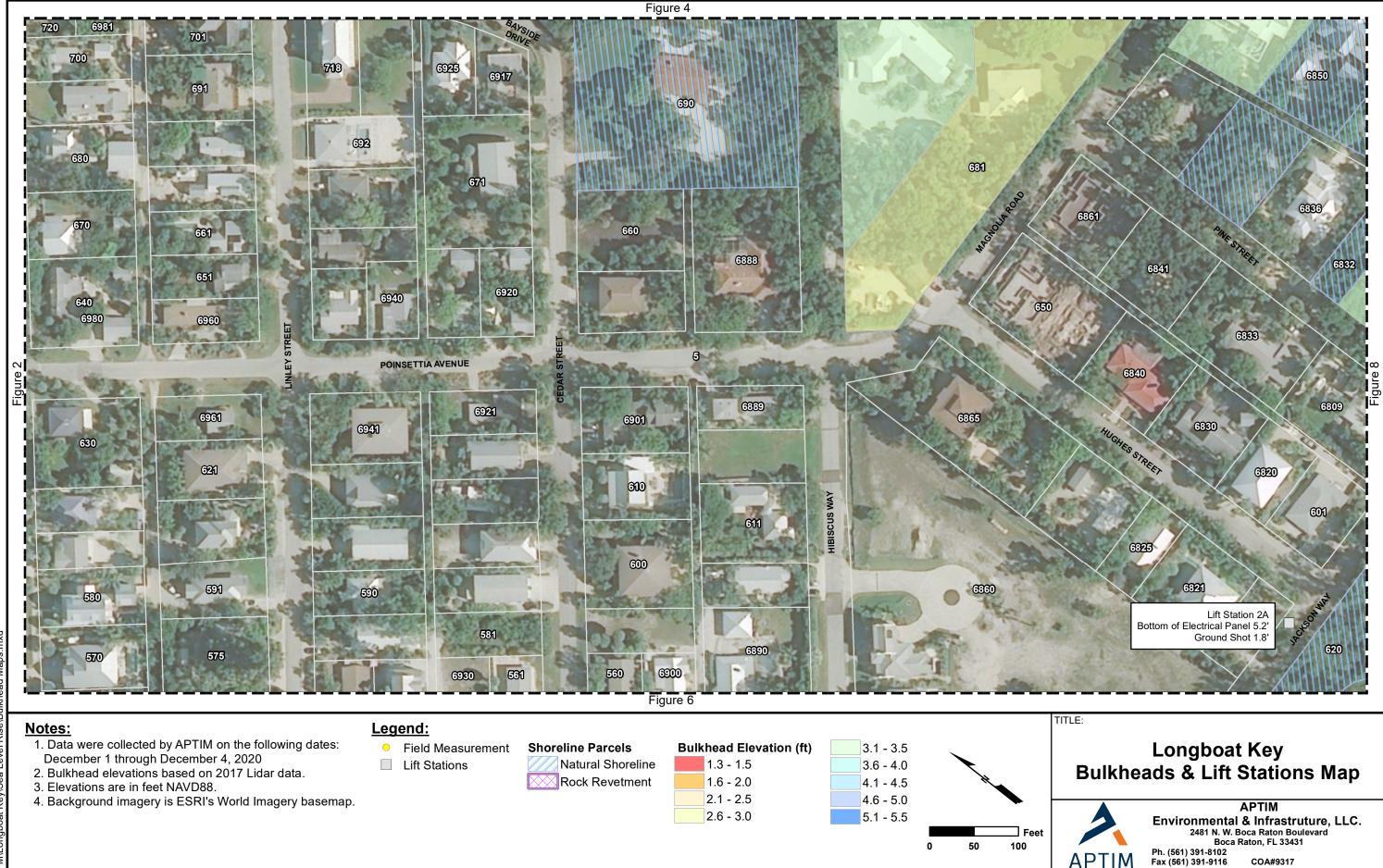
Longboat Key

Bulkheads & Lift Stations Map





- 3. Elevations are in feet NAVD88.



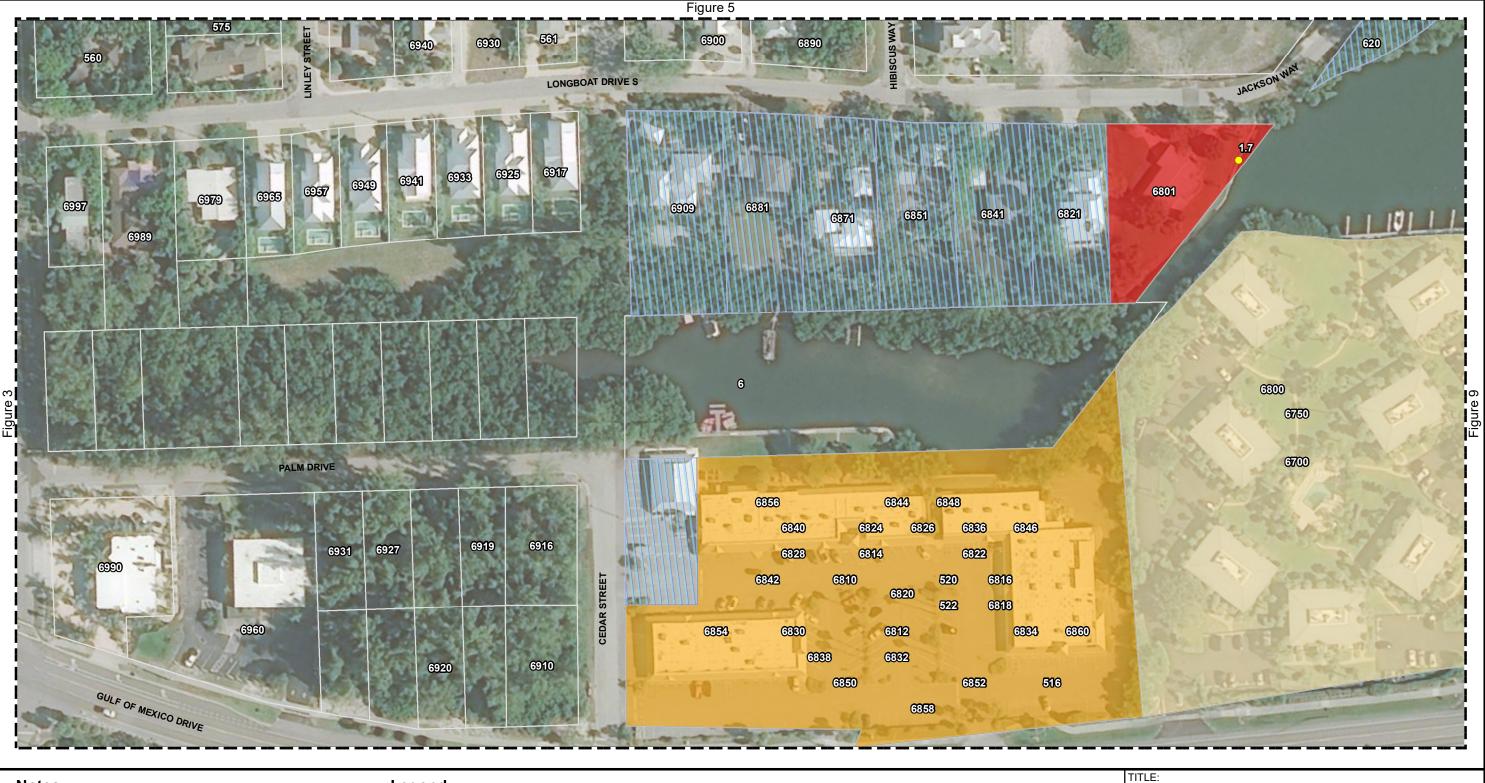
1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No. : 631005068

Figure 5

E.\CDM\I opdagt Key\Sea I eye I Ecdbac IIII



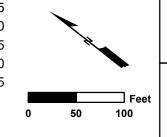
- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

Field MeasurementLift Stations

t Shoreline Parcels
Natural Shoreline
Rock Revetment





1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map



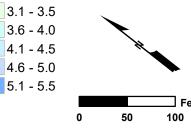


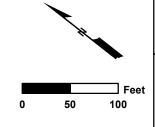
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Natural Shoreline Rock Revetment

1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0





1 inch = 100 feet

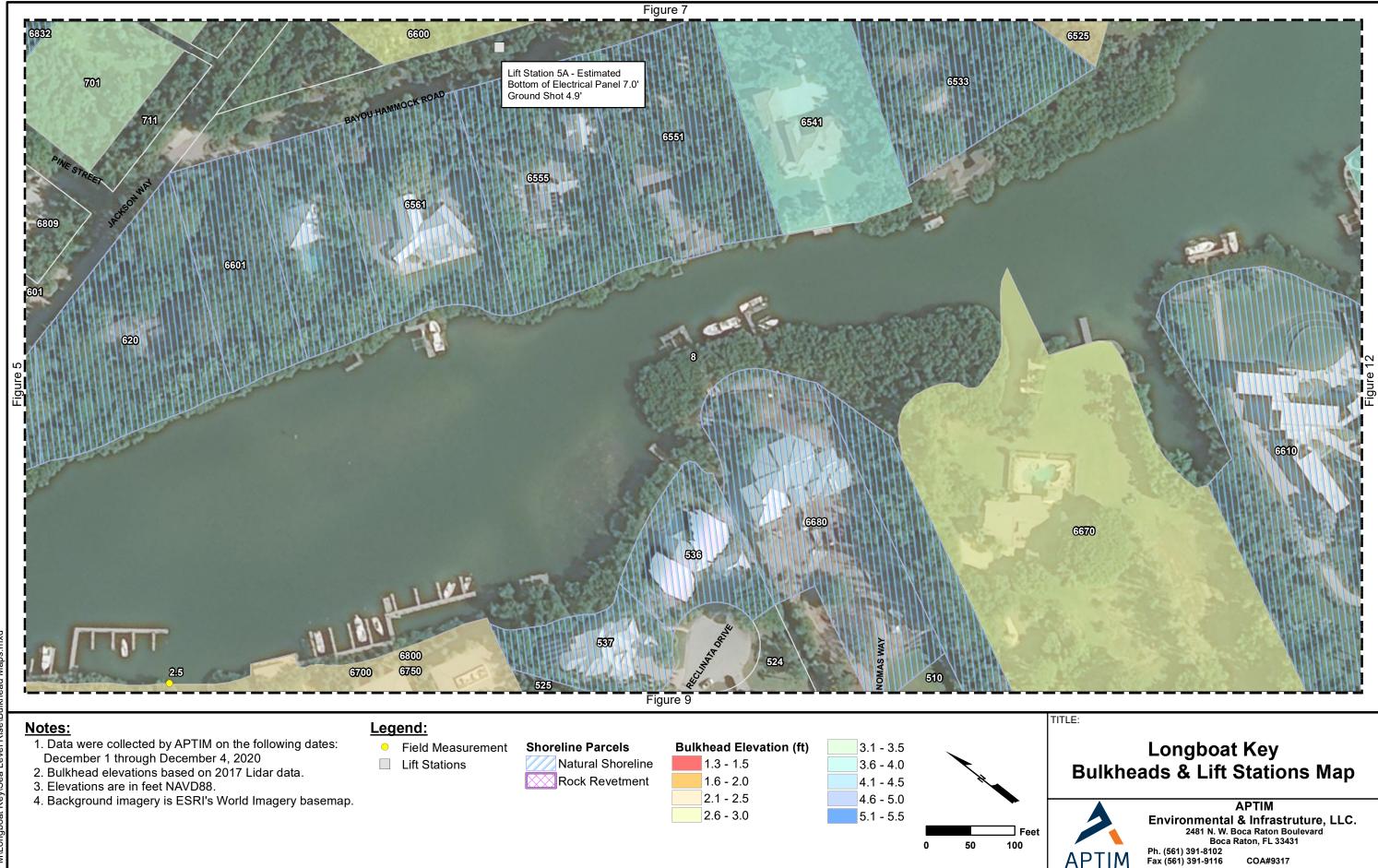
Bulkheads & Lift Stations Map



APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

By: HMV | Comm No. : 631005068



1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No. : 631005068

Figure 8

E.\CDM\\ Despect | Section | Section | Pise\Bi



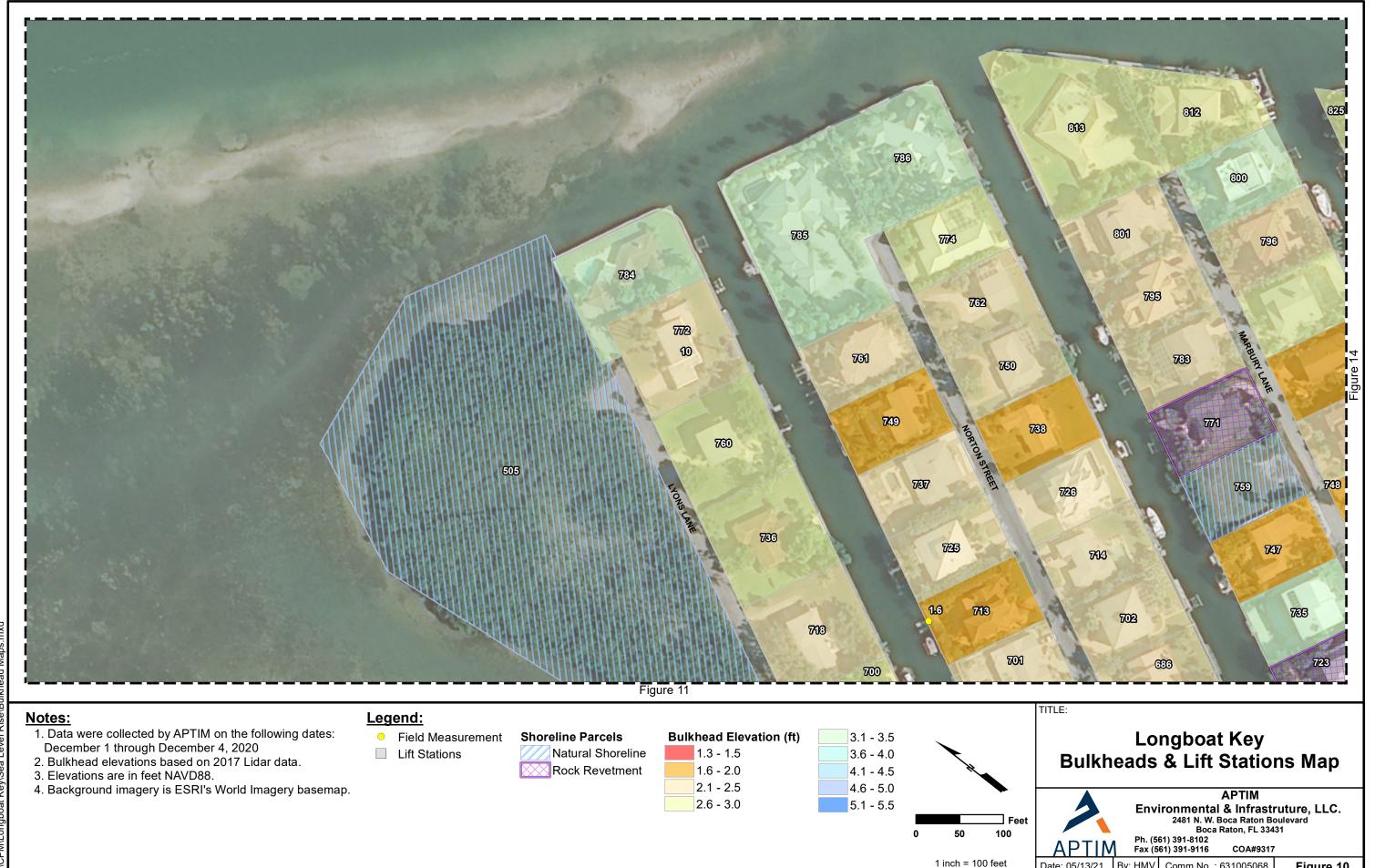
1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No. : 631005068

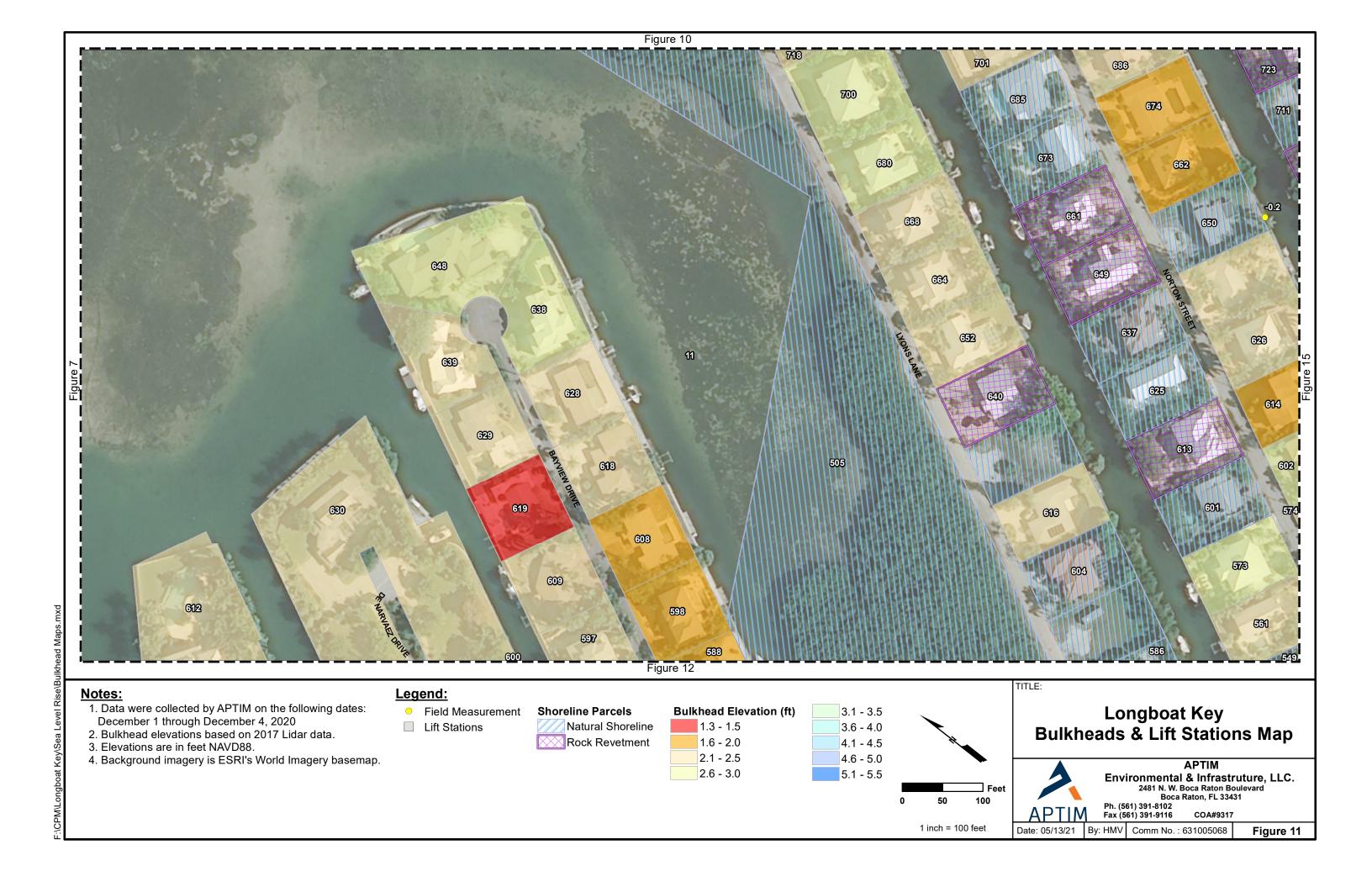
Figure 9

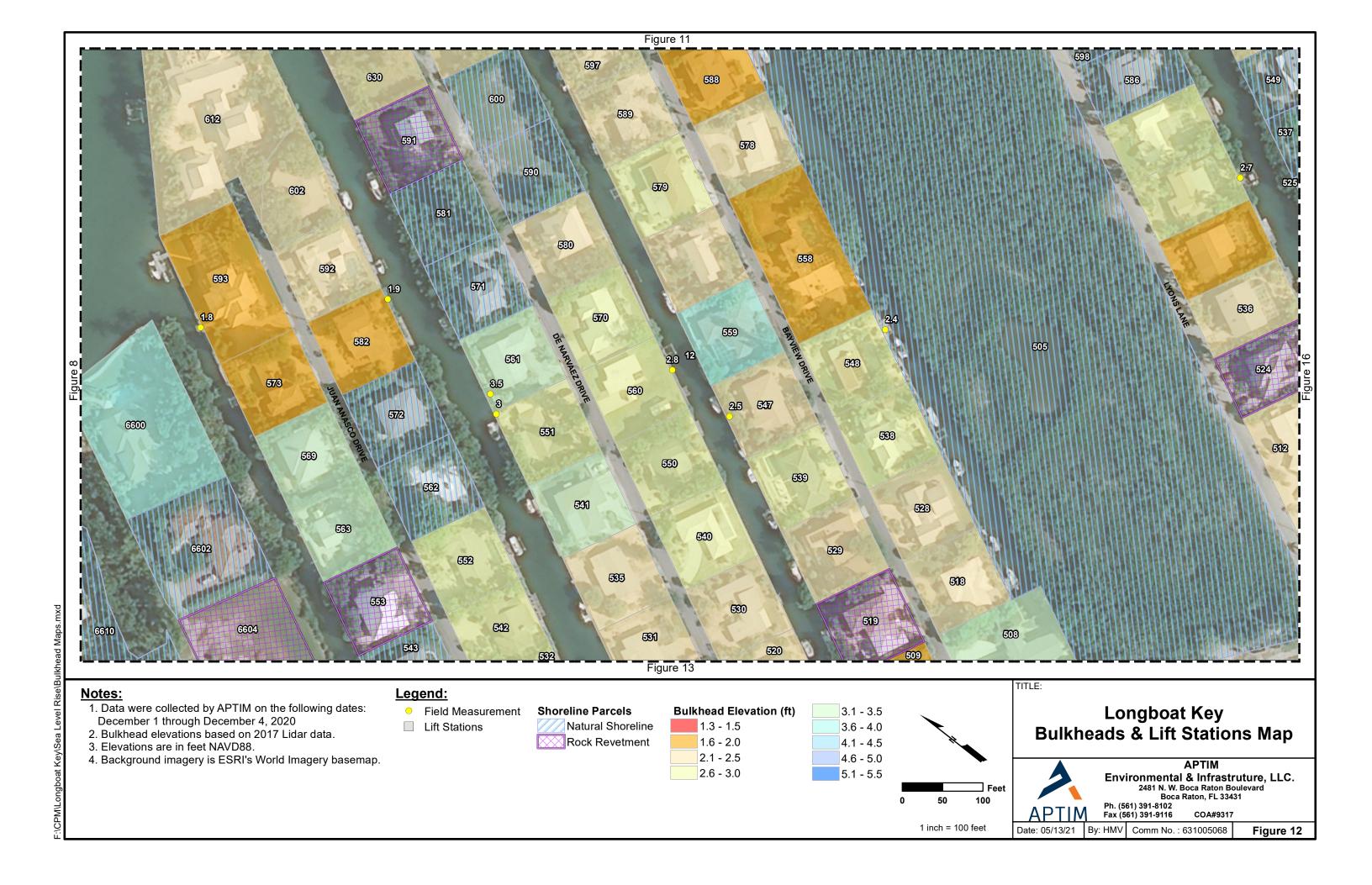
E-\CPM\I onghoat Kev\Sea I evel Bise\E

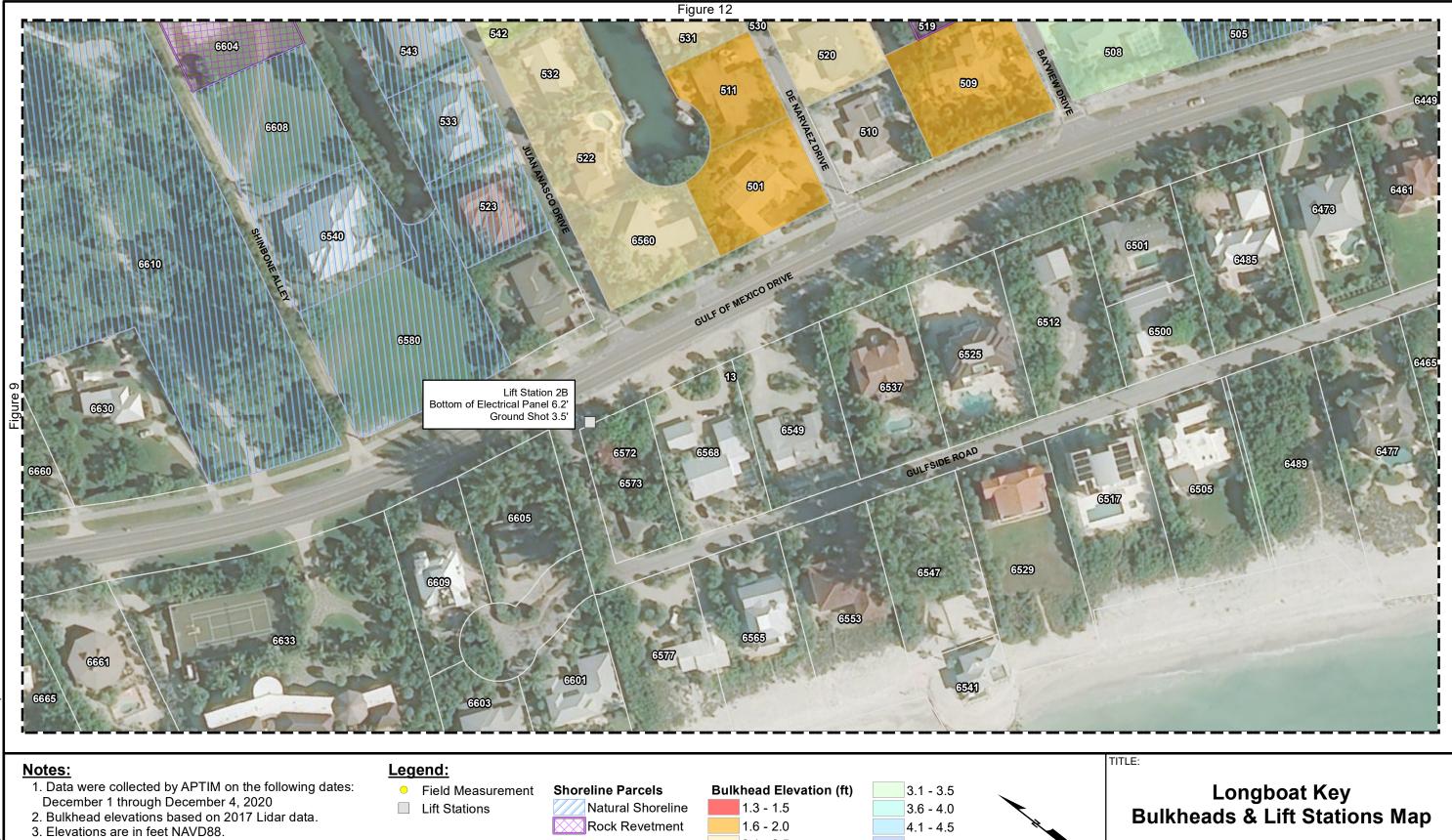


Date: 05/13/21

By: HMV | Comm No. : 631005068



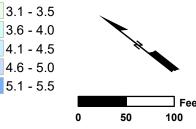




4. Background imagery is ESRI's World Imagery basemap.

2.1 - 2.5

2.6 - 3.0



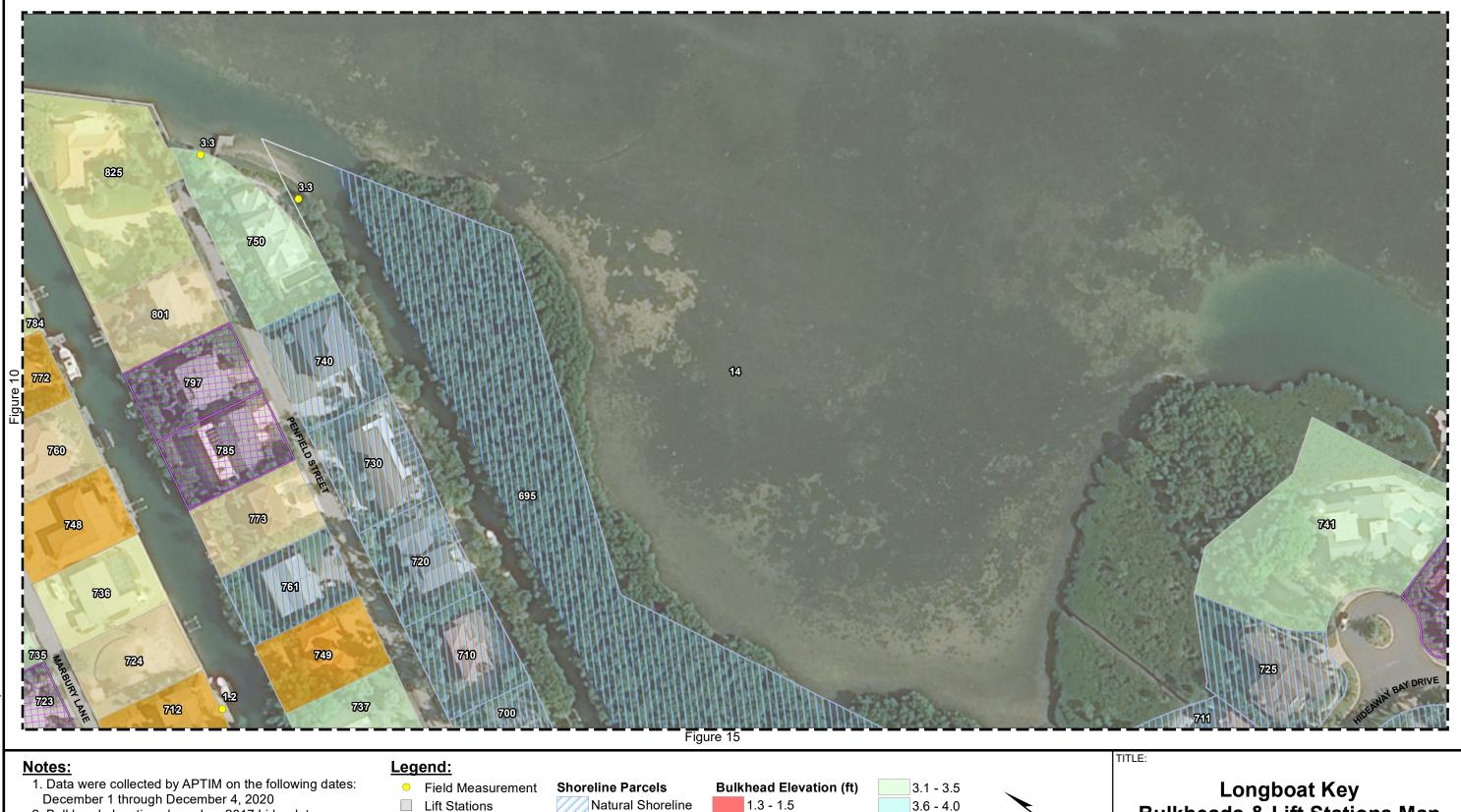
1 inch = 100 feet



APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

By: HMV | Comm No. : 631005068

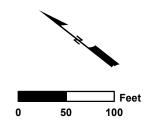


- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Natural Shoreline Rock Revetment

1.3 - 1.5 1.6 - 2.0





Longboat Key Bulkheads & Lift Stations Map



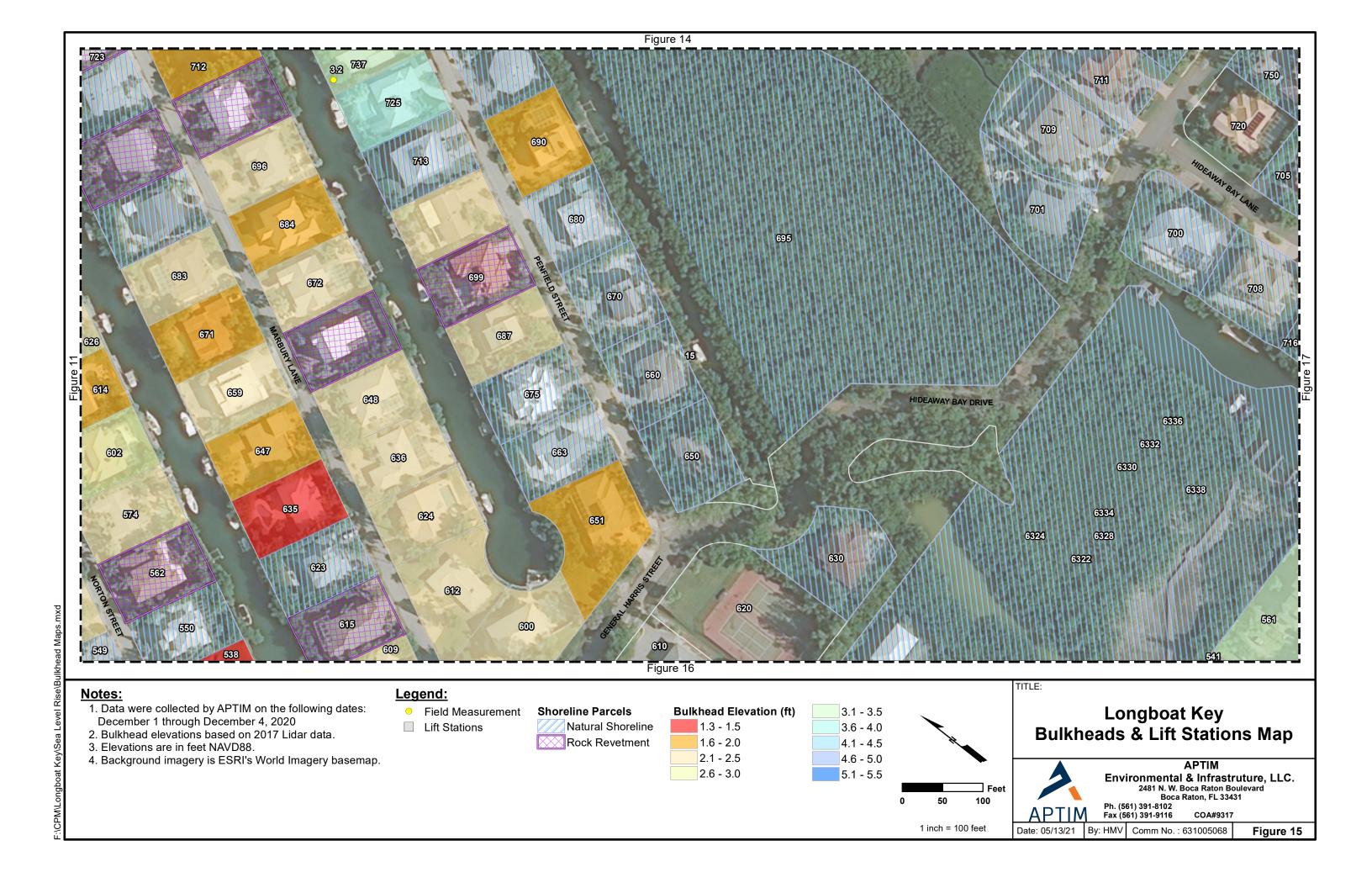
APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

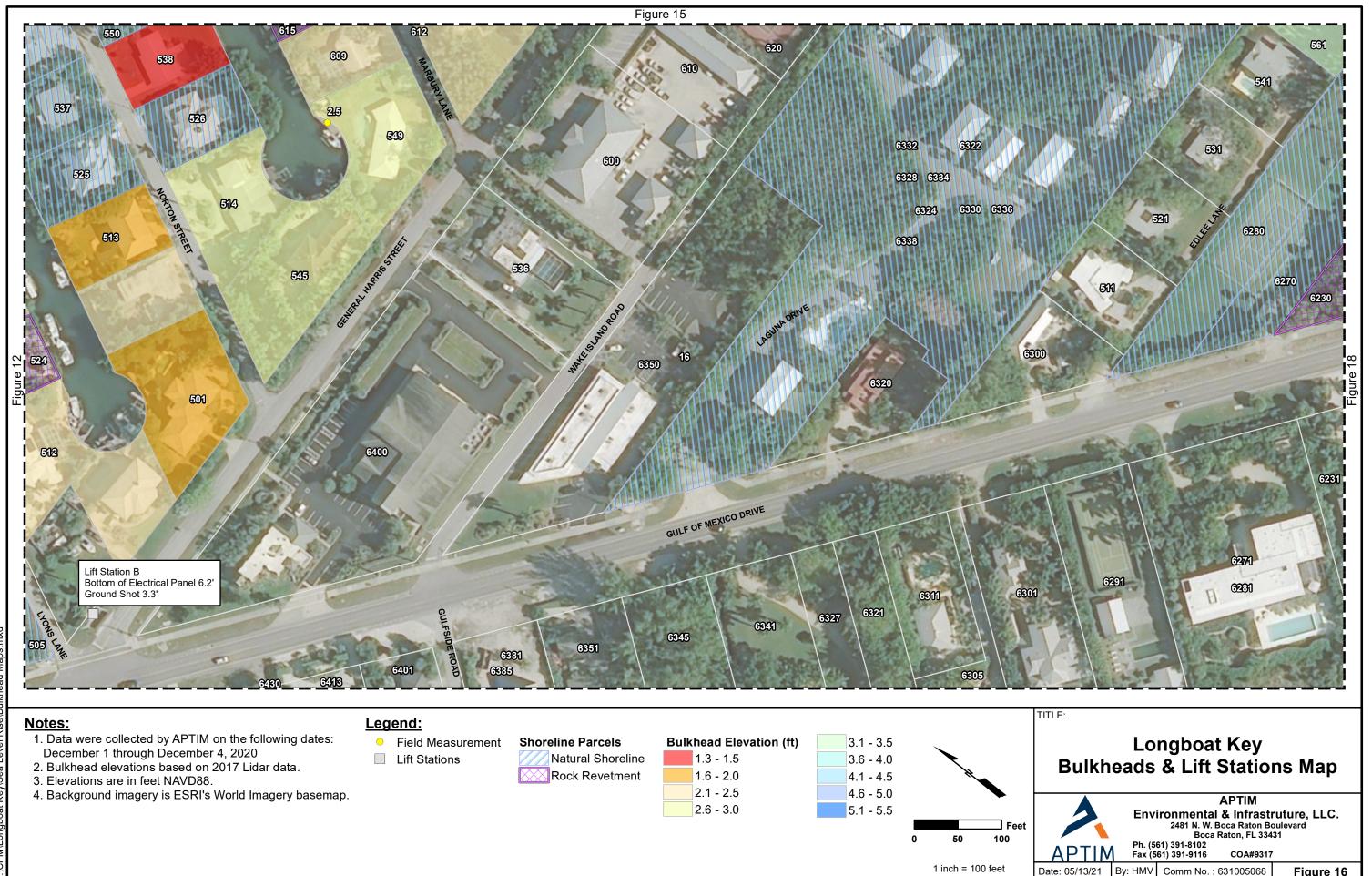
Ph. (561) 391-8102 Fax (561) 391-9116

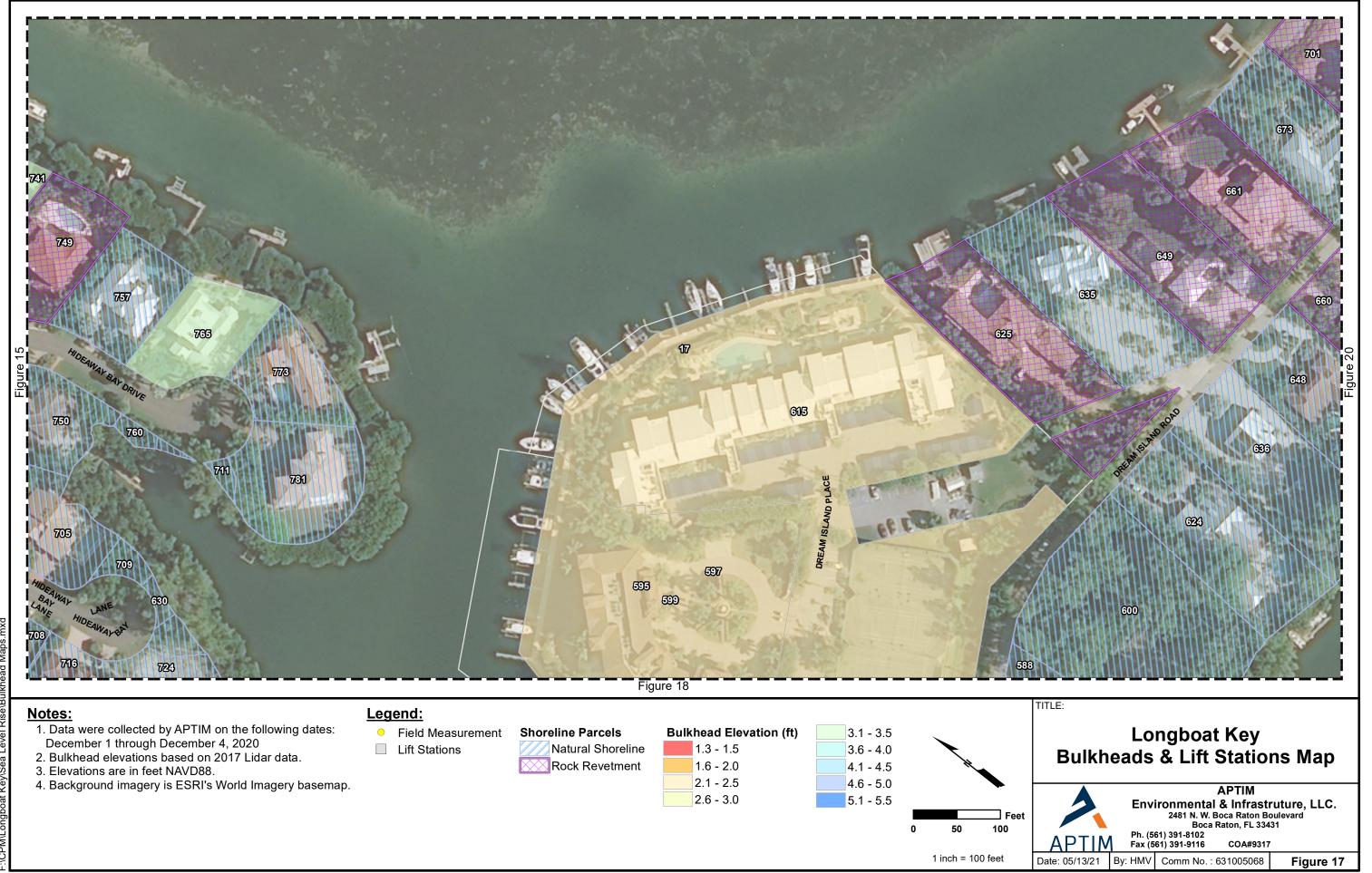
1 inch = 100 feet

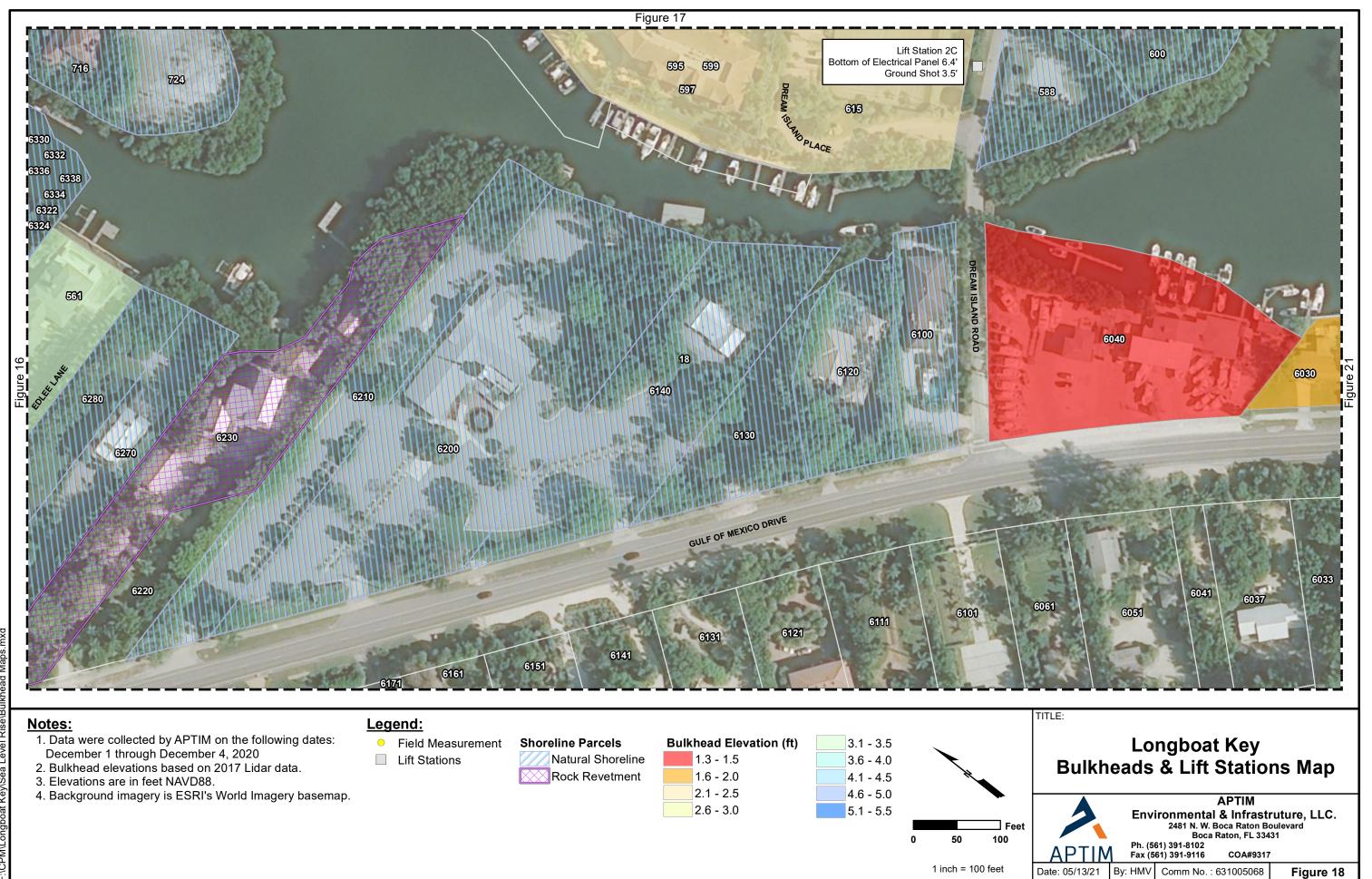
Date: 05/13/21

By: HMV | Comm No. : 631005068









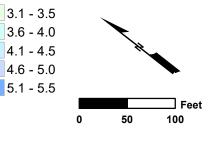


- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

 Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

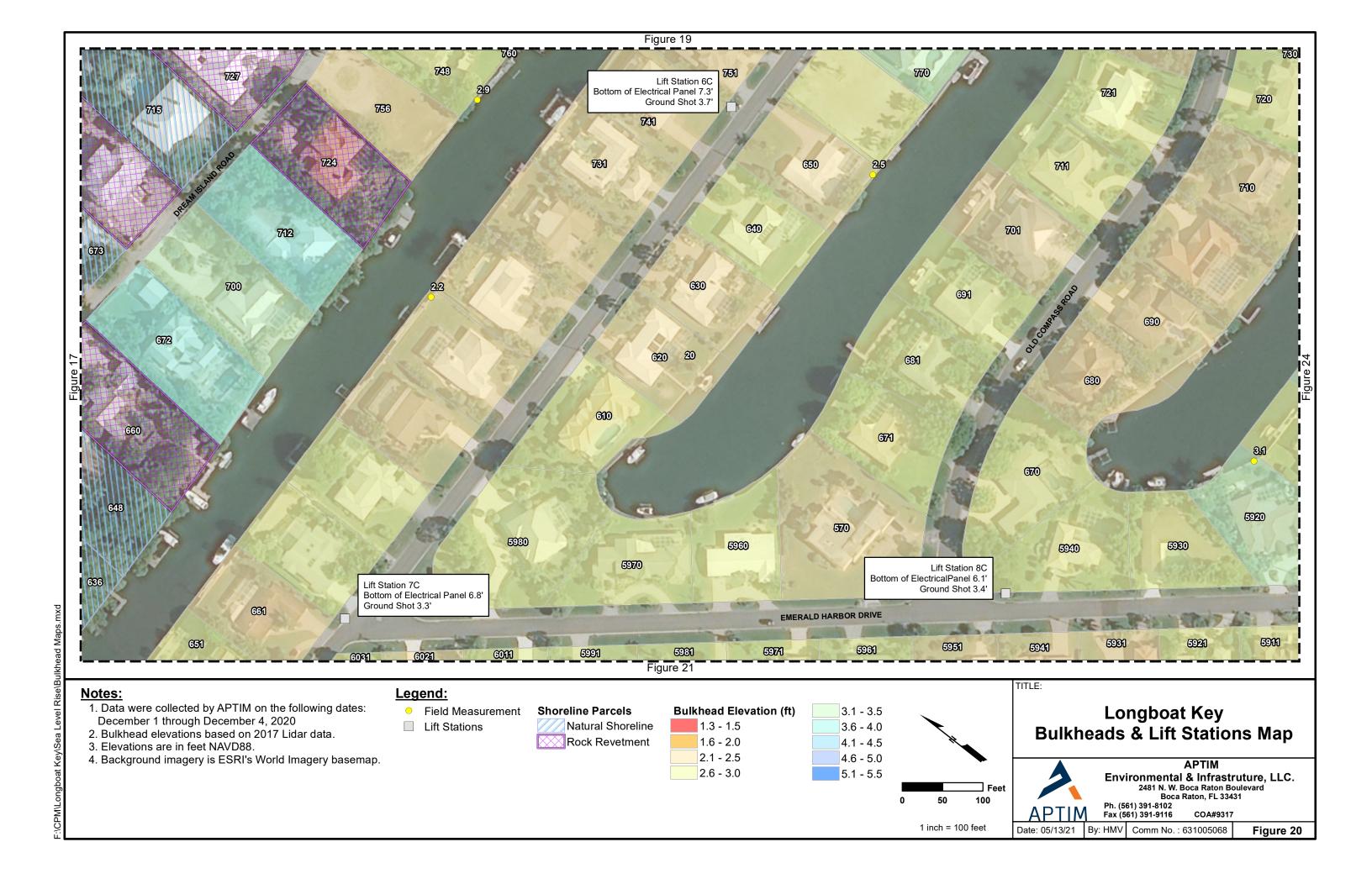
Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0

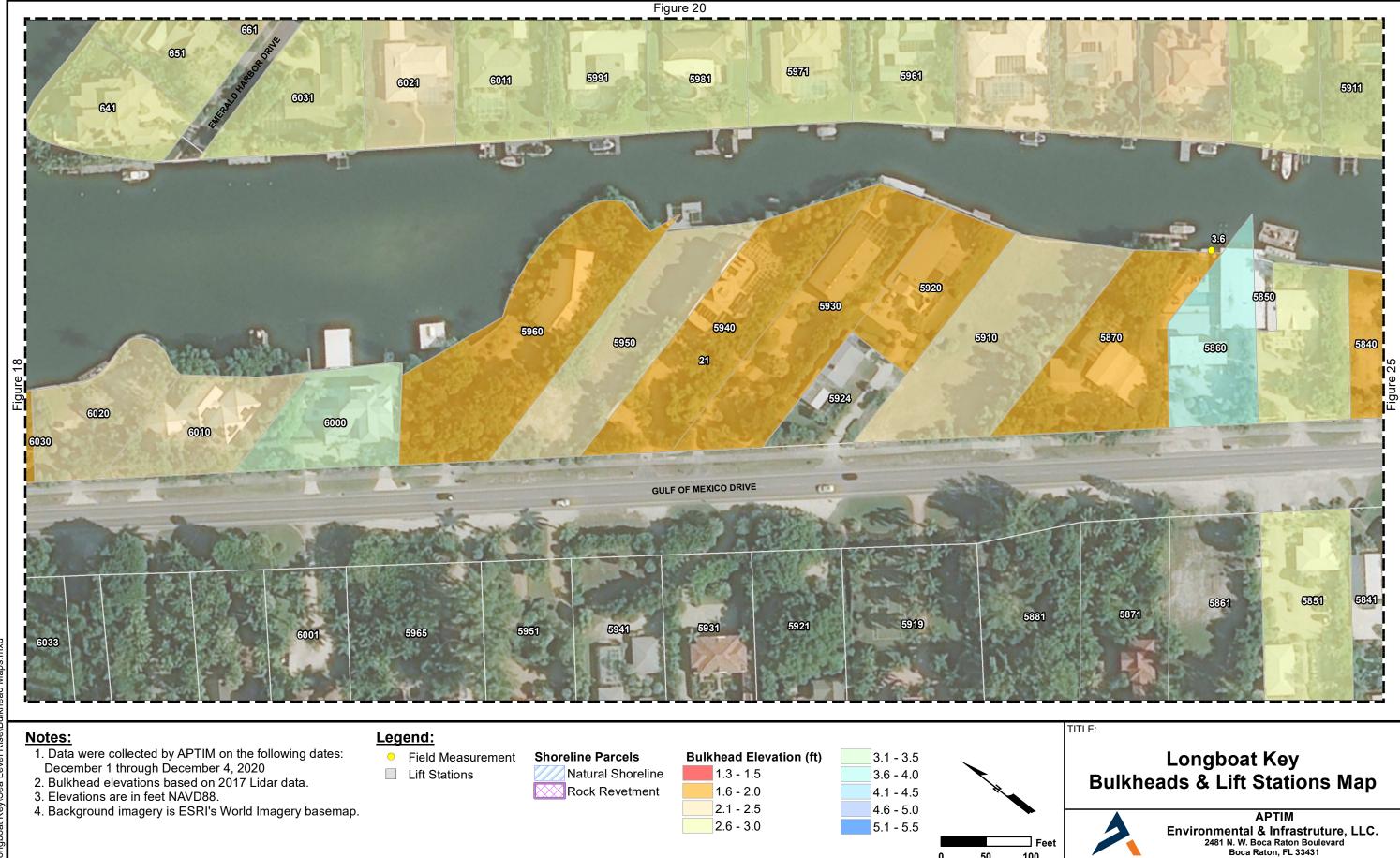


1 inch = 100 feet

Longboat Key **Bulkheads & Lift Stations Map**







100

Date: 05/13/21

1 inch = 100 feet

Ph. (561) 391-8102 Fax (561) 391-9116

By: HMV | Comm No. : 631005068

COA#9317



- 1. Data were collected by APTIM on the following dates:
- 4. Background imagery is ESRI's World Imagery basemap.

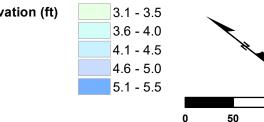
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0



Longboat Key Bulkheads & Lift Stations Map



100

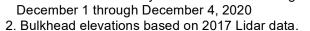
1 inch = 100 feet

APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

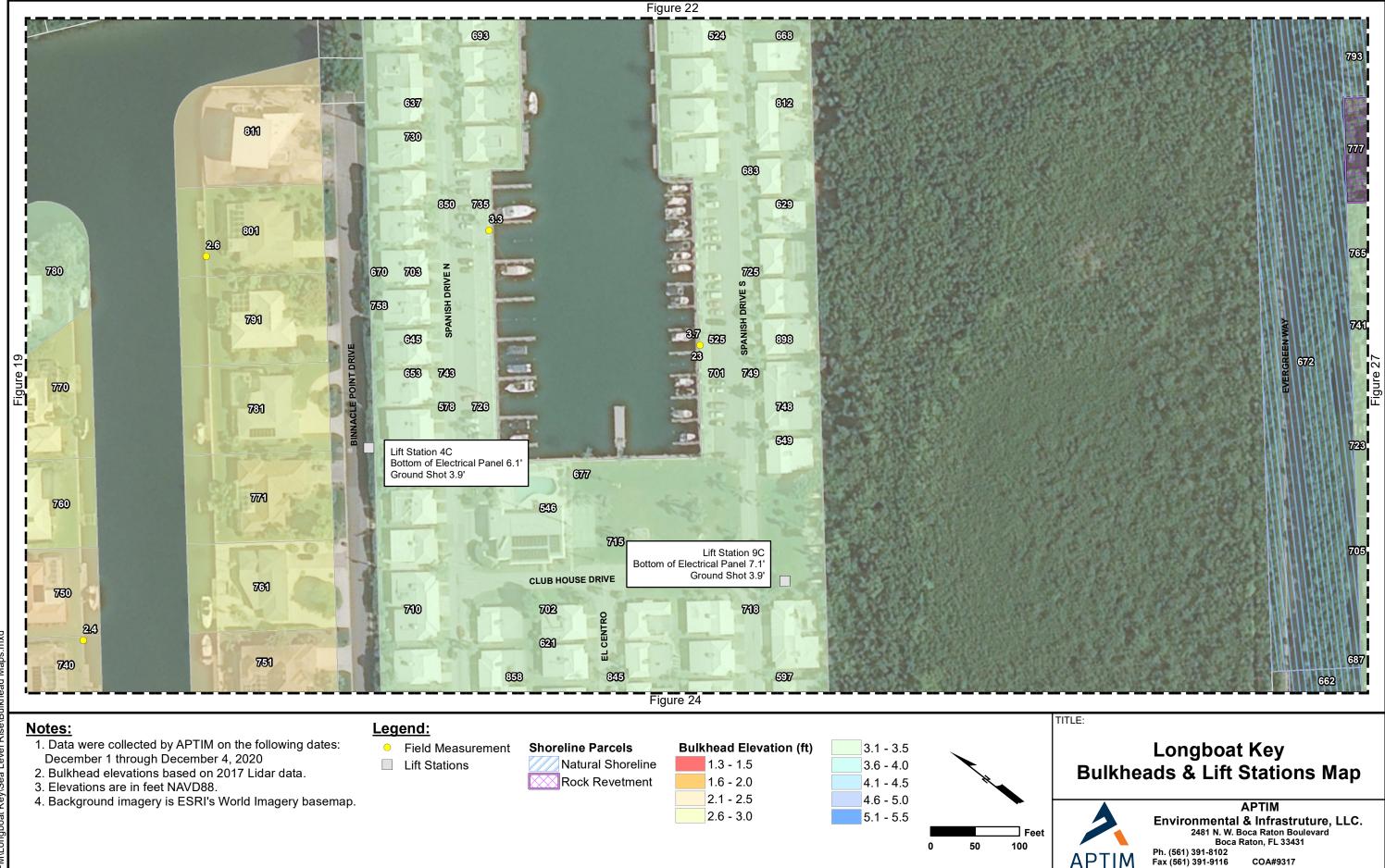
By: HMV | Comm No. : 631005068

Figure 22





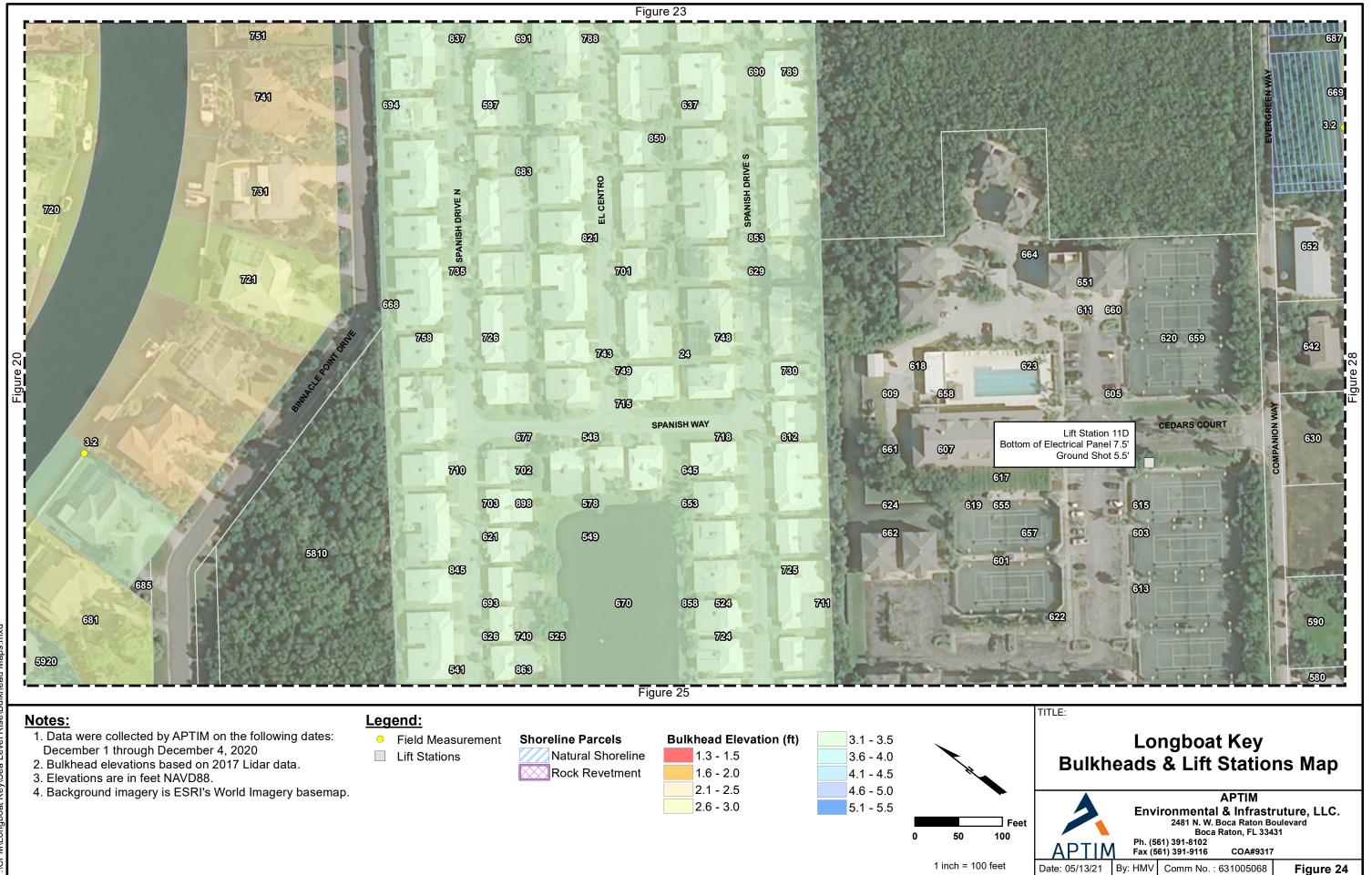
3. Elevations are in feet NAVD88.



1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No. : 631005068



E-\CDM\\ overline | Key\Sea | eye | Bis



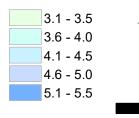
- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

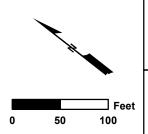
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0





1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map



APTIM

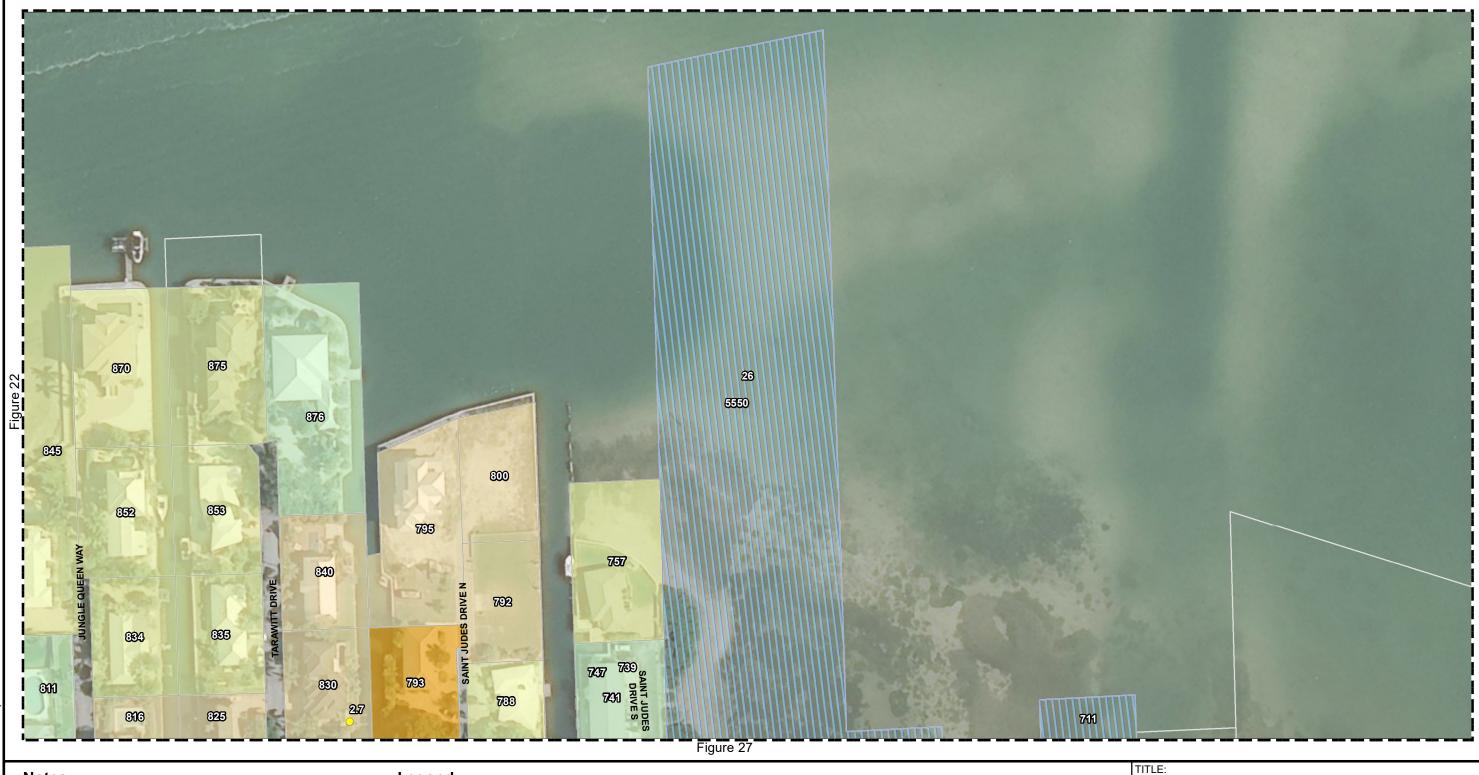
2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

COA#9317

Date: 05/13/21

By: HMV | Comm No.: 631005068



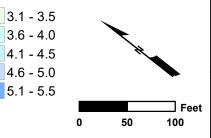
- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

 Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0



Longboat Key **Bulkheads & Lift Stations Map**



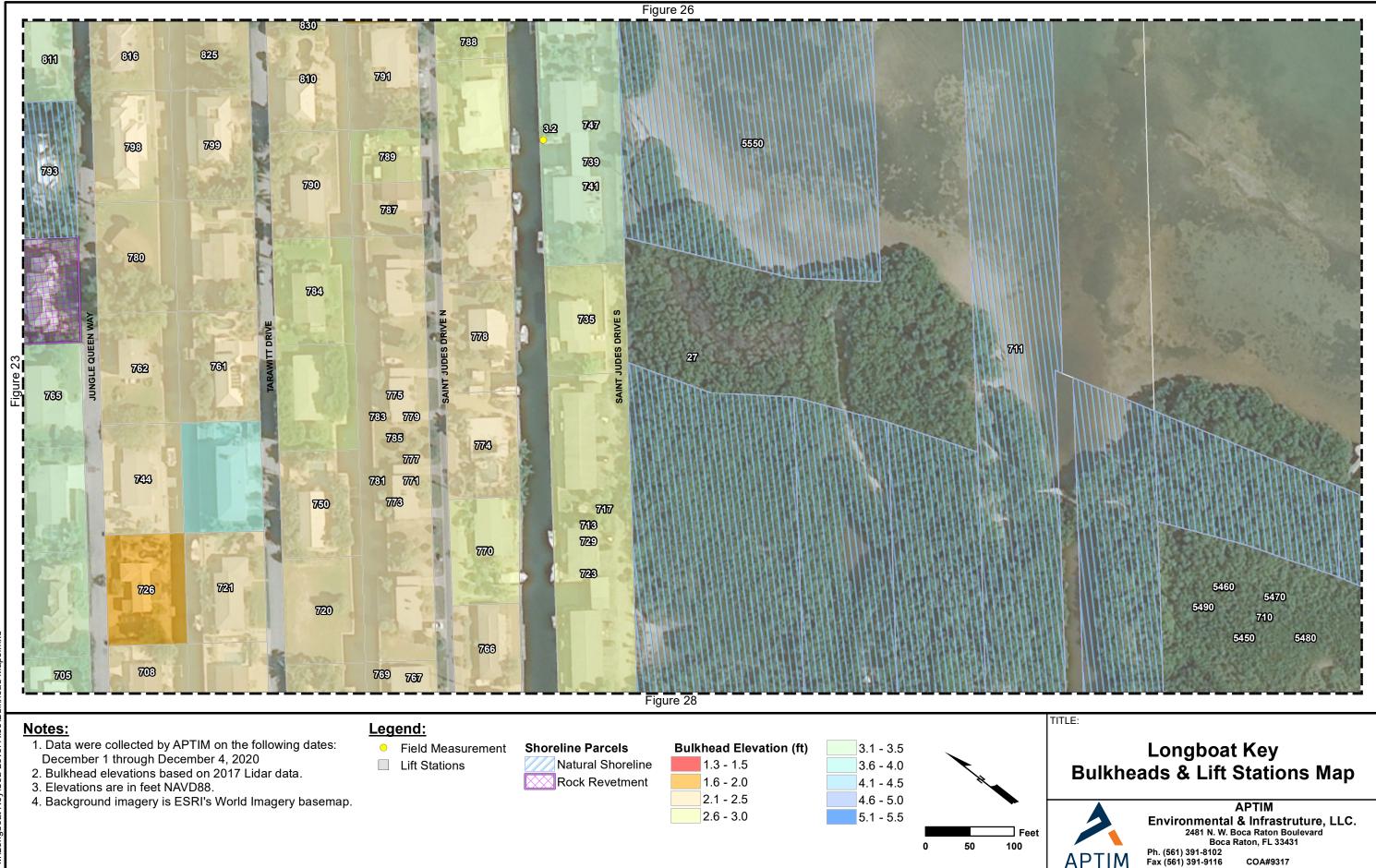
APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116 COA#9317

1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No. : 631005068



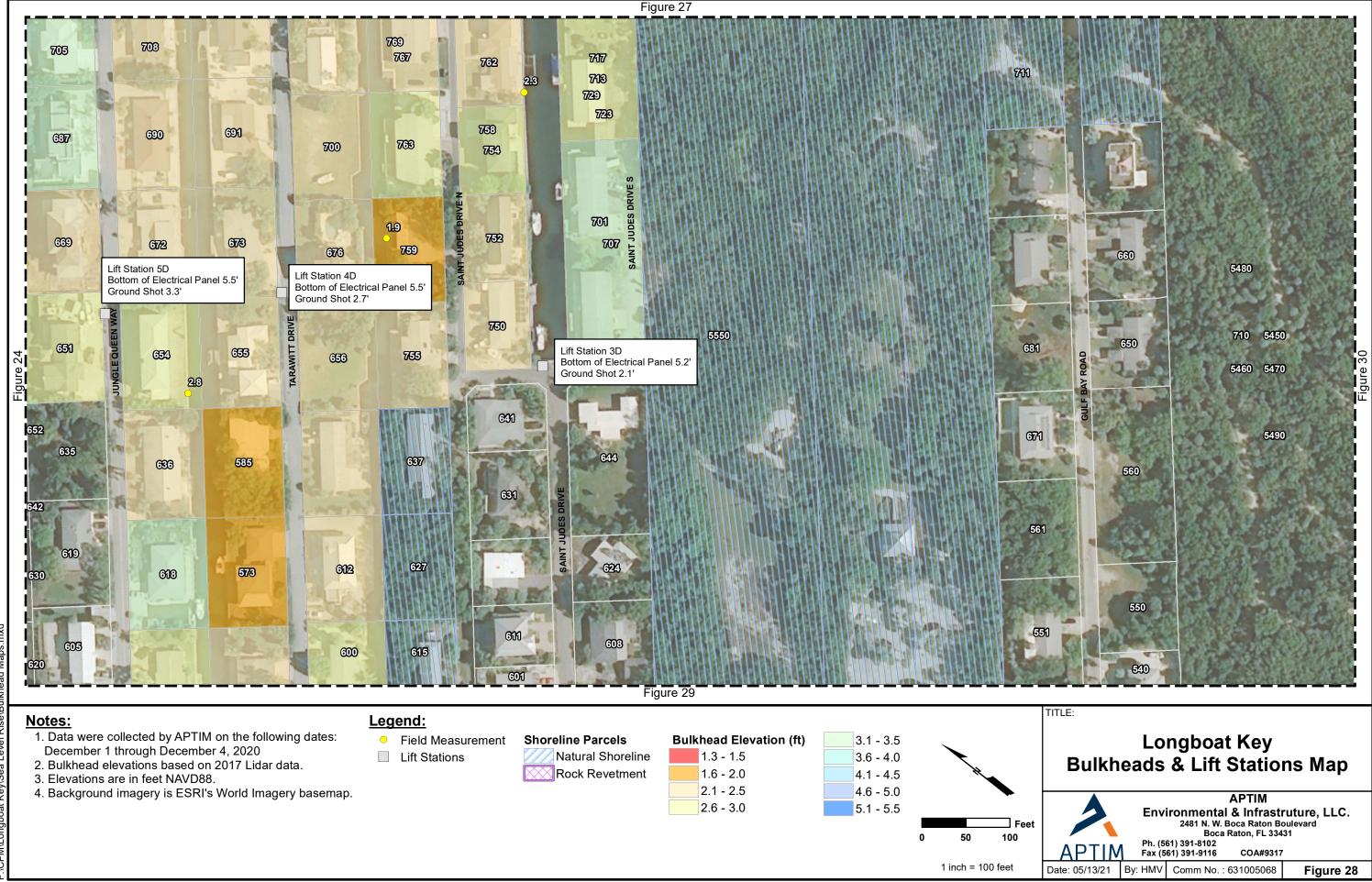
COA#9317

Figure 27

By: HMV | Comm No. : 631005068

1 inch = 100 feet

Date: 05/13/21





- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

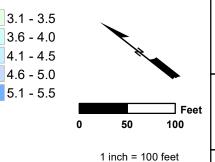
Legend:

Field MeasurementLift Stations

Shoreline Parcels
Natural Shoreline
Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0



Longboat Key Bulkheads & Lift Stations Map



E.\CDM\I onghost Key\Ses I eye I Bise\Birlkh



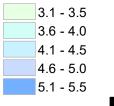
- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

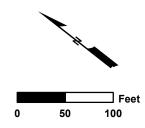
Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0





1 inch = 100 feet

Bulkheads & Lift Stations Map APTIM



Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116 COA#9317

Longboat Key

By: HMV | Comm No. : 631005068



- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

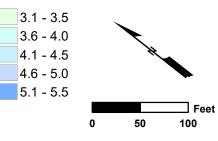
Legend:

 Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0



1 inch = 100 feet

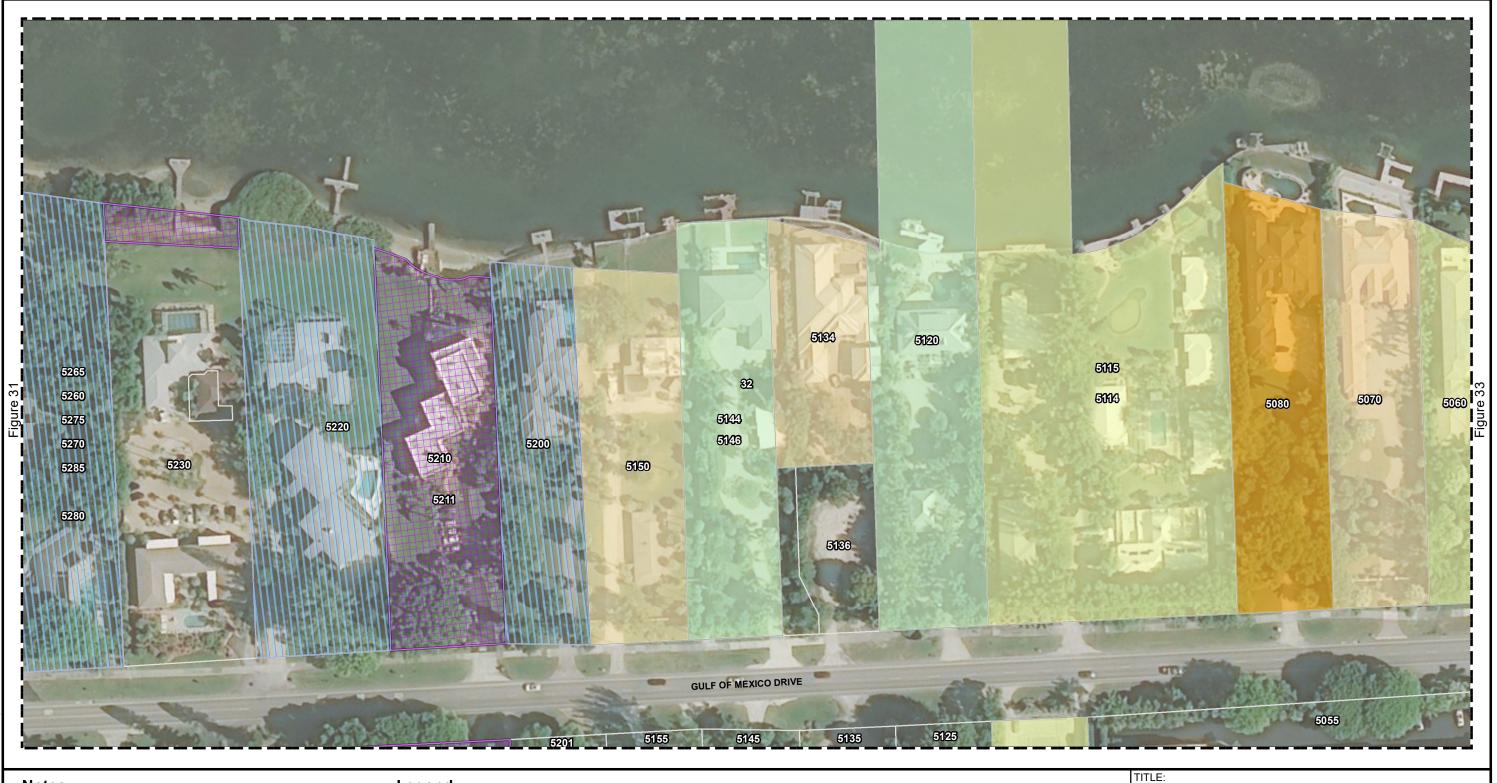
Longboat Key Bulkheads & Lift Stations Map



APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116 COA#9317

By: HMV | Comm No. : 631005068 Figure 31



- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

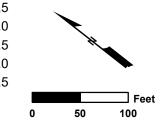
 Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0

3.1 - 3.5 3.6 - 4.0 4.1 - 4.5 4.6 - 5.0 5.1 - 5.5



1 inch = 100 feet

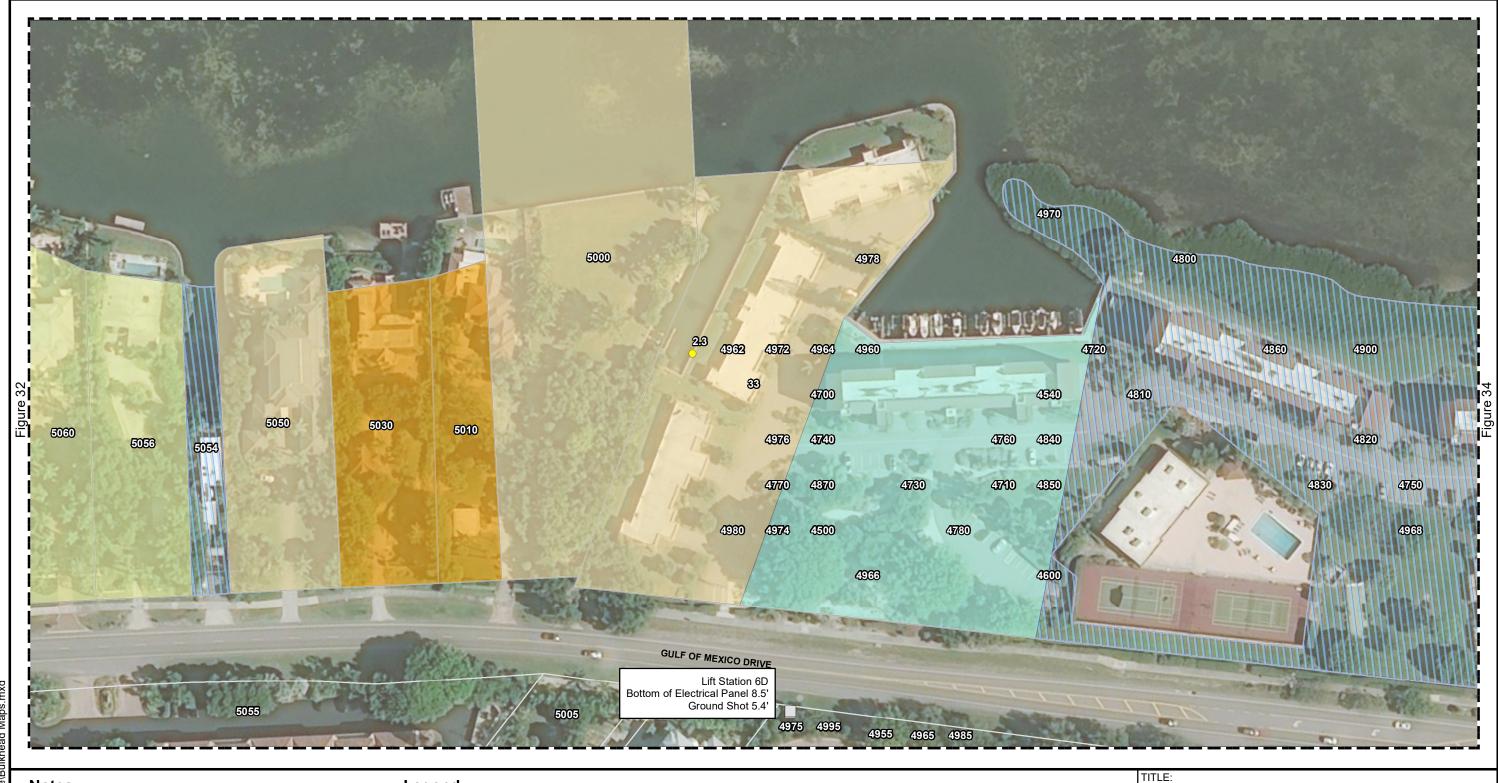
Longboat Key Bulkheads & Lift Stations Map



APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

By: HMV | Comm No. : 631005068 Figure 32



- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 4. Background imagery is ESRI's World Imagery basemap.

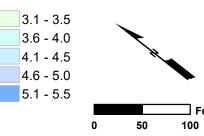
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0



1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map



APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

Date: 05/13/21 By: HMV | Comm No. : 631005068 Figure 33

2. Bulkhead elevations based on 2017 Lidar data. 3. Elevations are in feet NAVD88.



- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

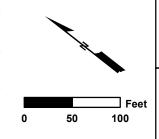
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0





1 inch = 100 feet

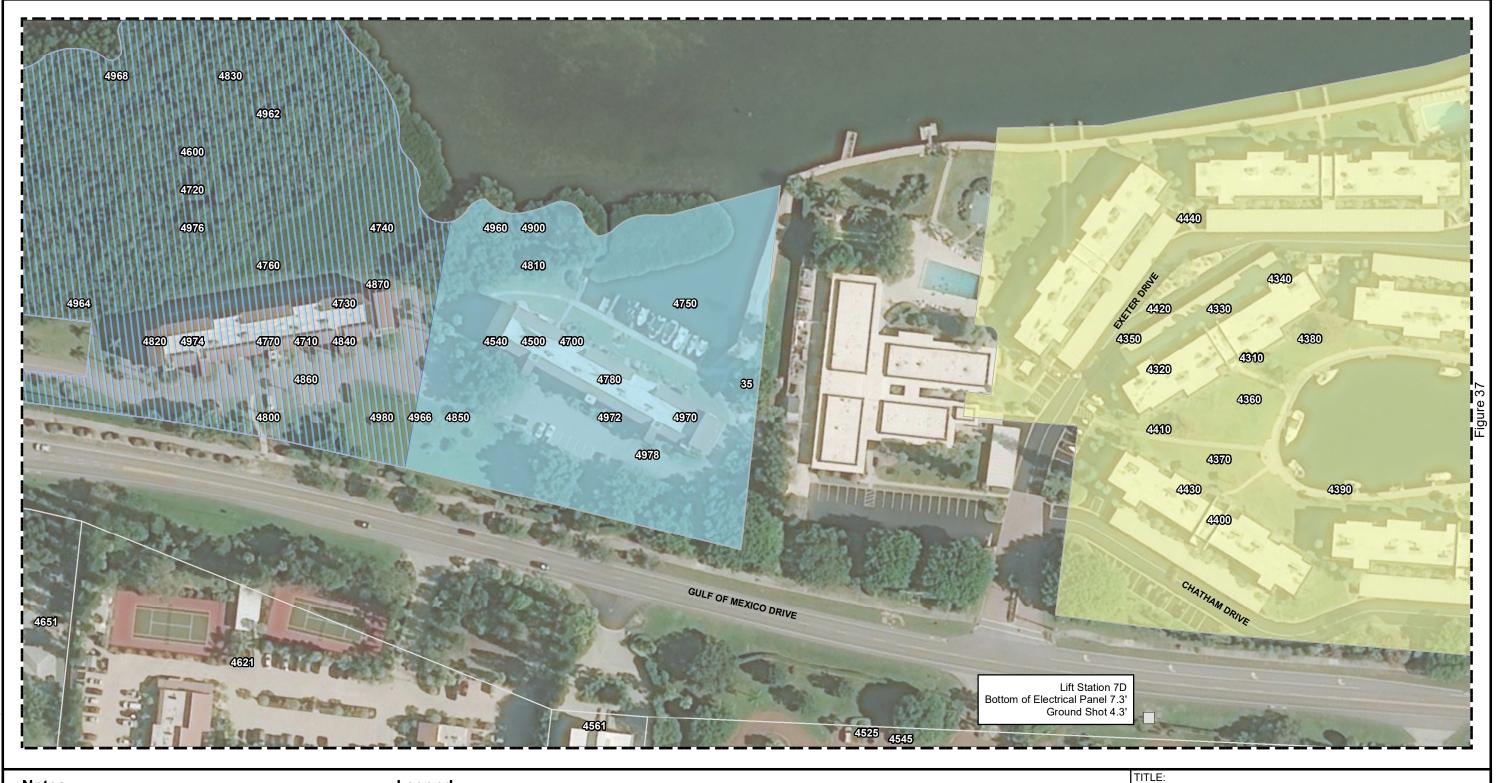
Longboat Key **Bulkheads & Lift Stations Map**



APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

By: HMV | Comm No. : 631005068



- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

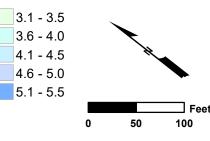
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0



1 inch = 100 feet

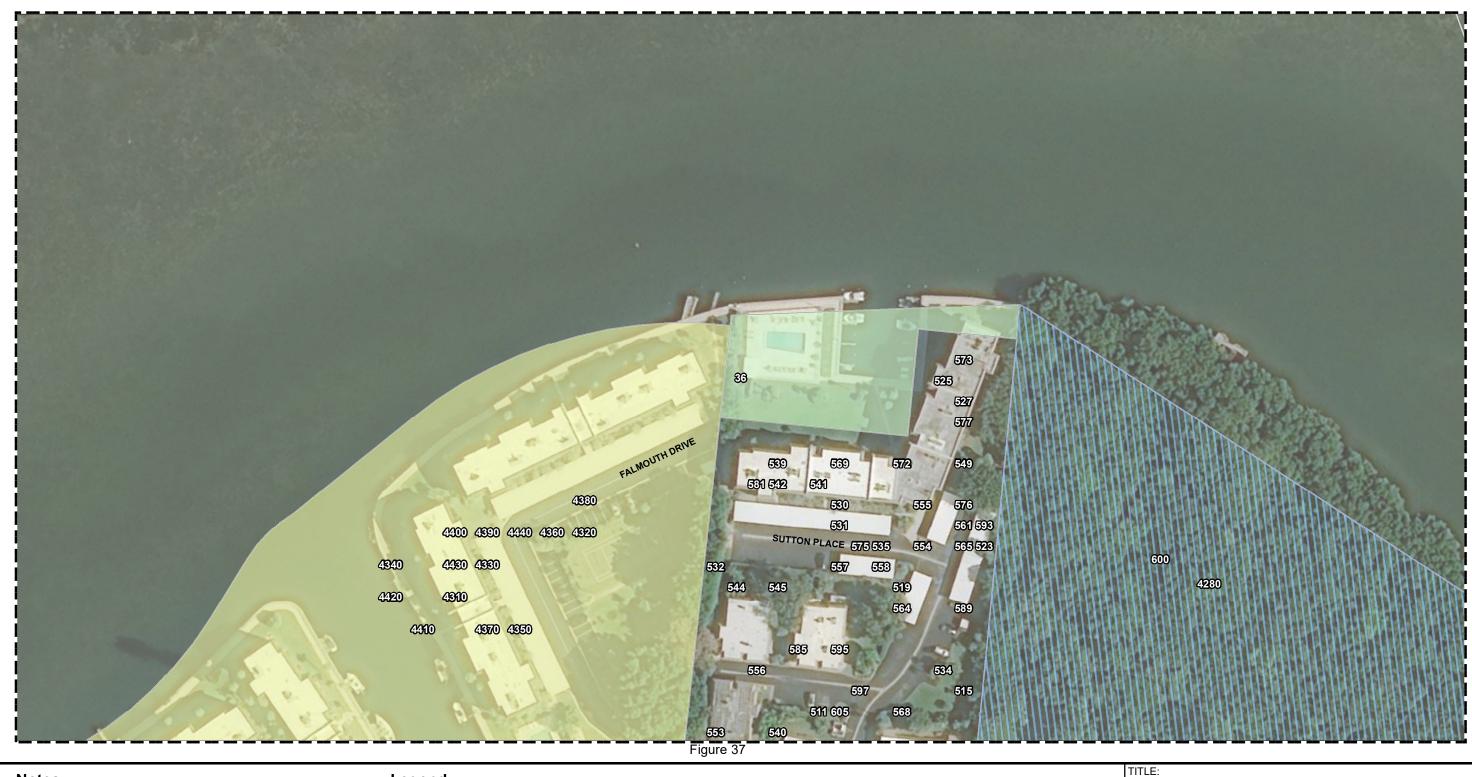
Longboat Key Bulkheads & Lift Stations Map



APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Date: 05/13/21

By: HMV | Comm No. : 631005068



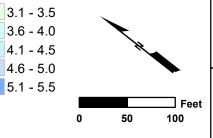
- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0



Longboat Key Bulkheads & Lift Stations Map



1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No. : 631005068



- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

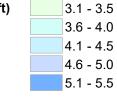
Legend:

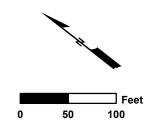
Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0





1 inch = 100 feet

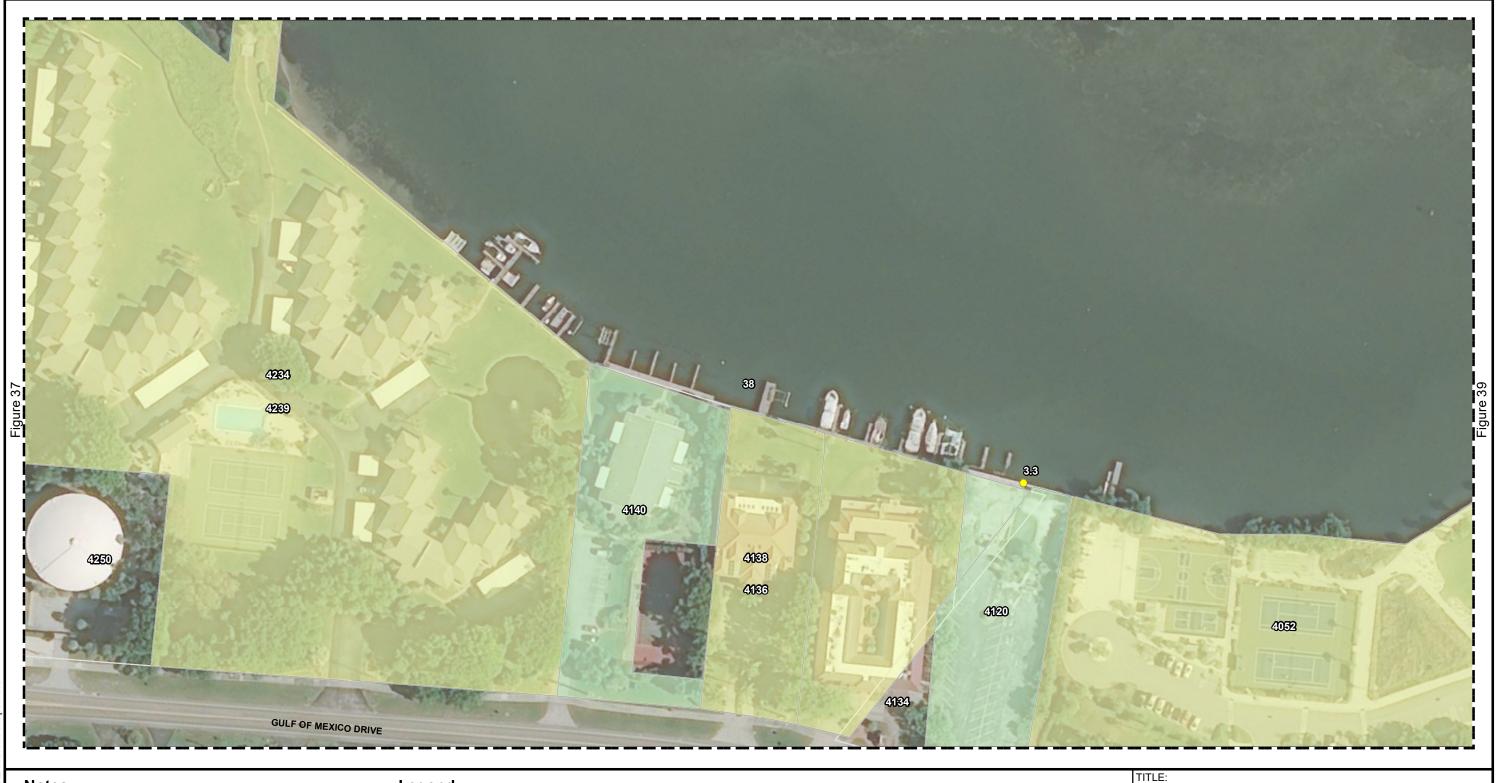
Longboat Key Bulkheads & Lift Stations Map



APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

By: HMV | Comm No. : 631005068



- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020

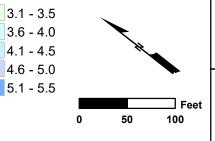
Legend:

 Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0



1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map



APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

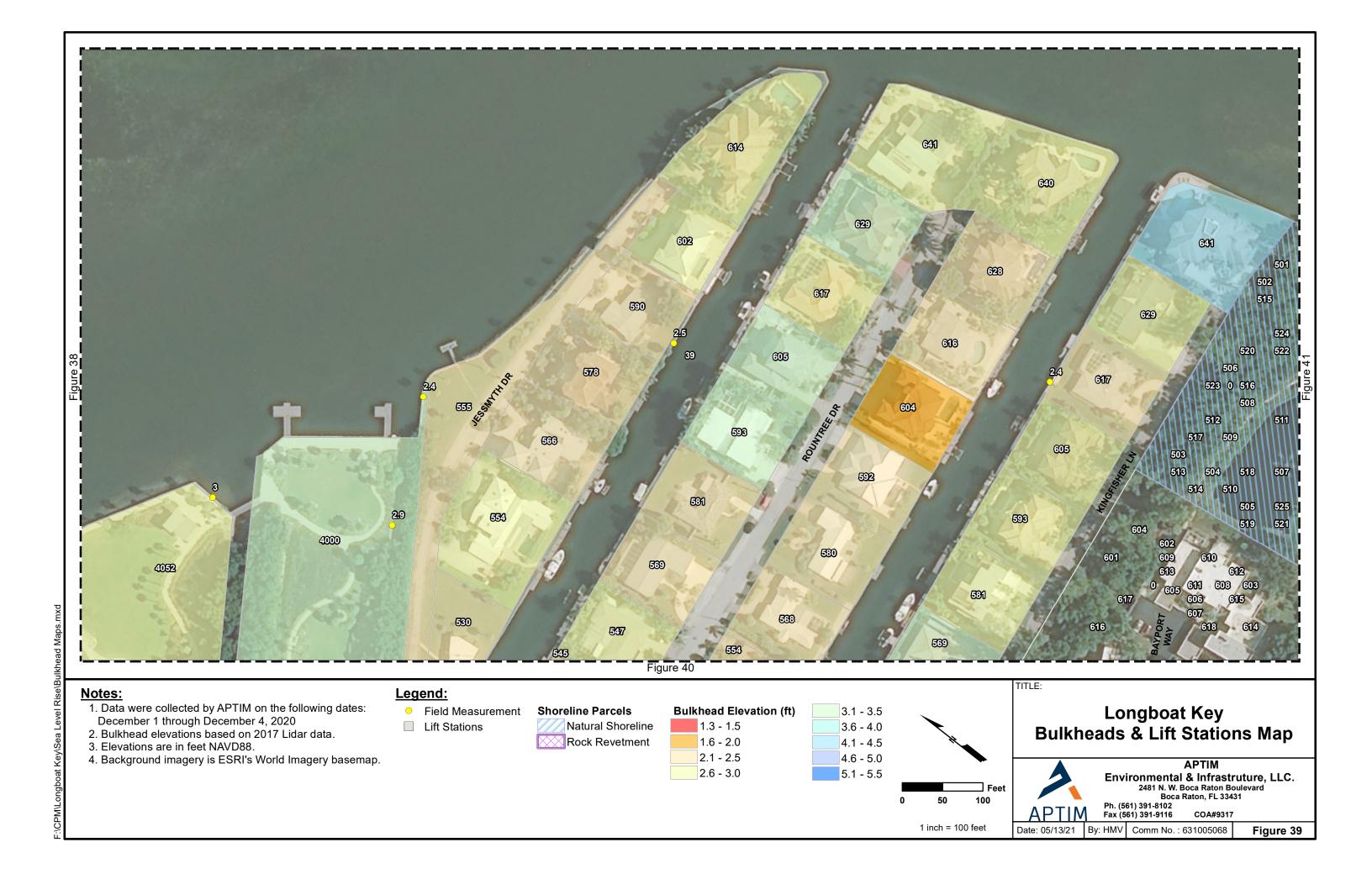
By: HMV | Comm No. : 631005068

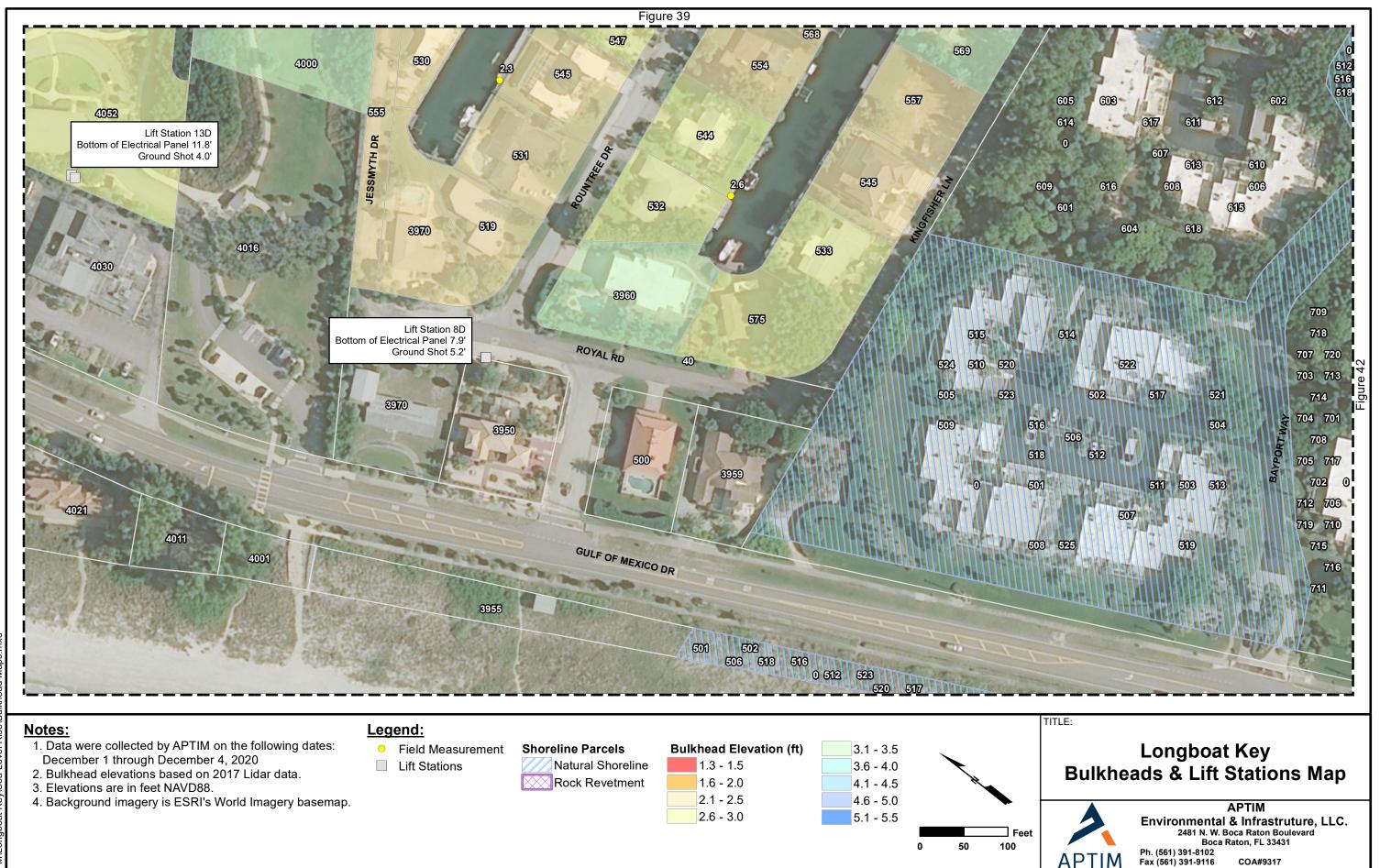
Figure 38

2. Bulkhead elevations based on 2017 Lidar data.

3. Elevations are in feet NAVD88.

4. Background imagery is ESRI's World Imagery basemap.





1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No.: 631005068

Figure 40

F\CPM\I ondboat Kev\Sea I evel Rise\Birlk



- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

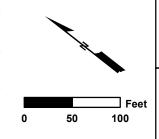
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

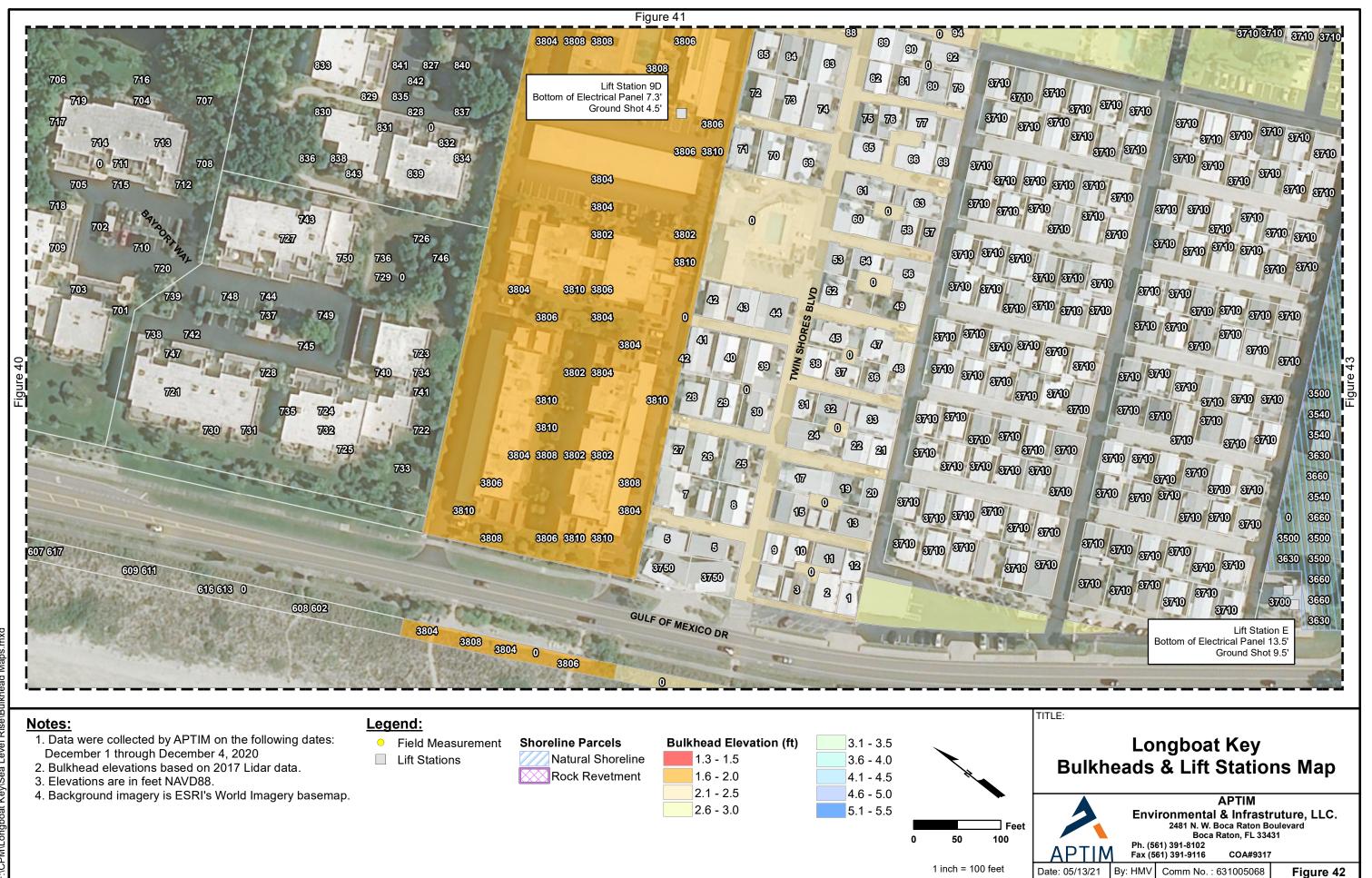




1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map





- 4. Background imagery is ESRI's World Imagery basemap.

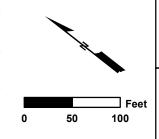
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0





1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map



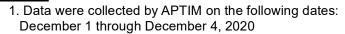
APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

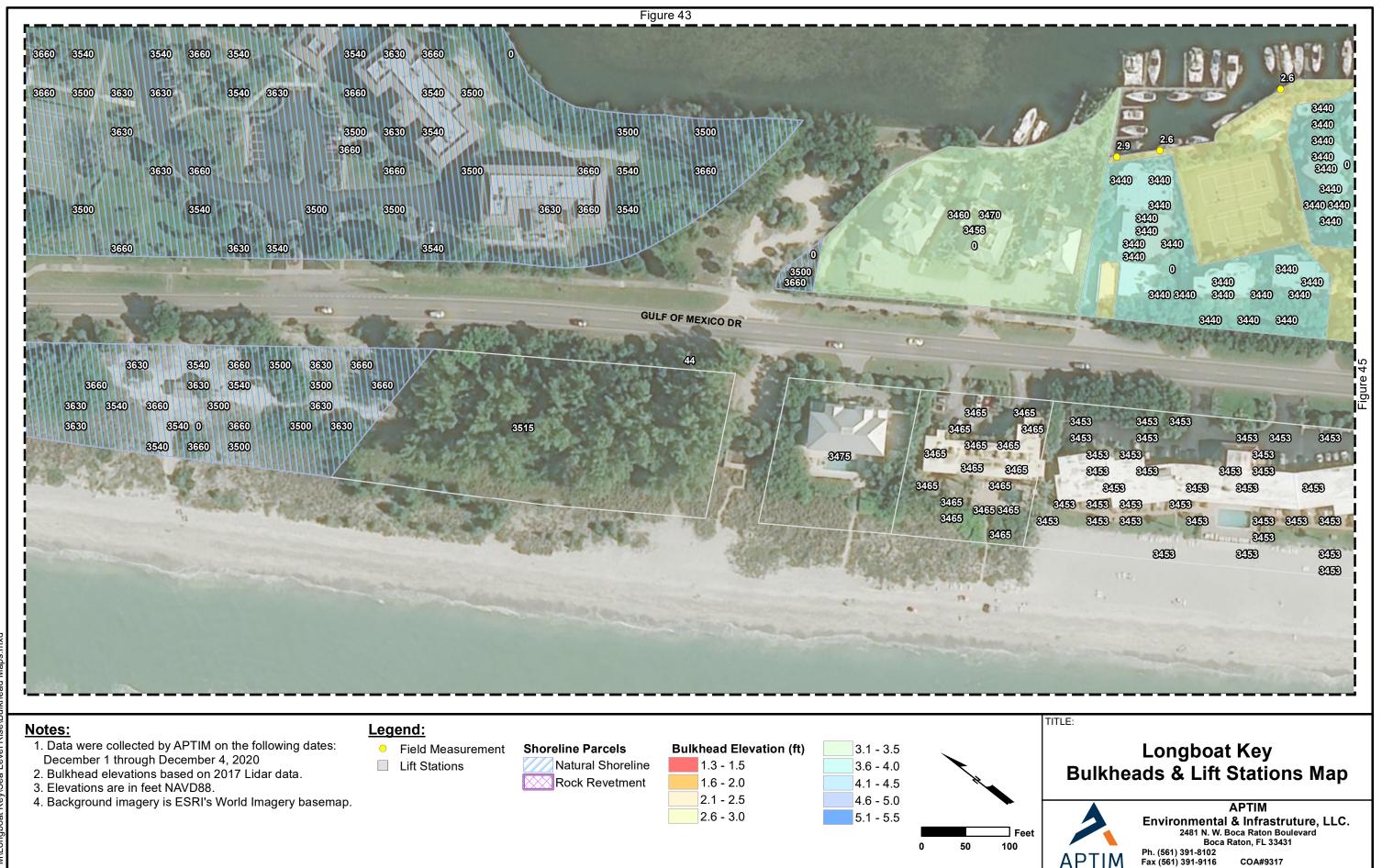
Date: 05/13/21

By: HMV | Comm No. : 631005068





- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.



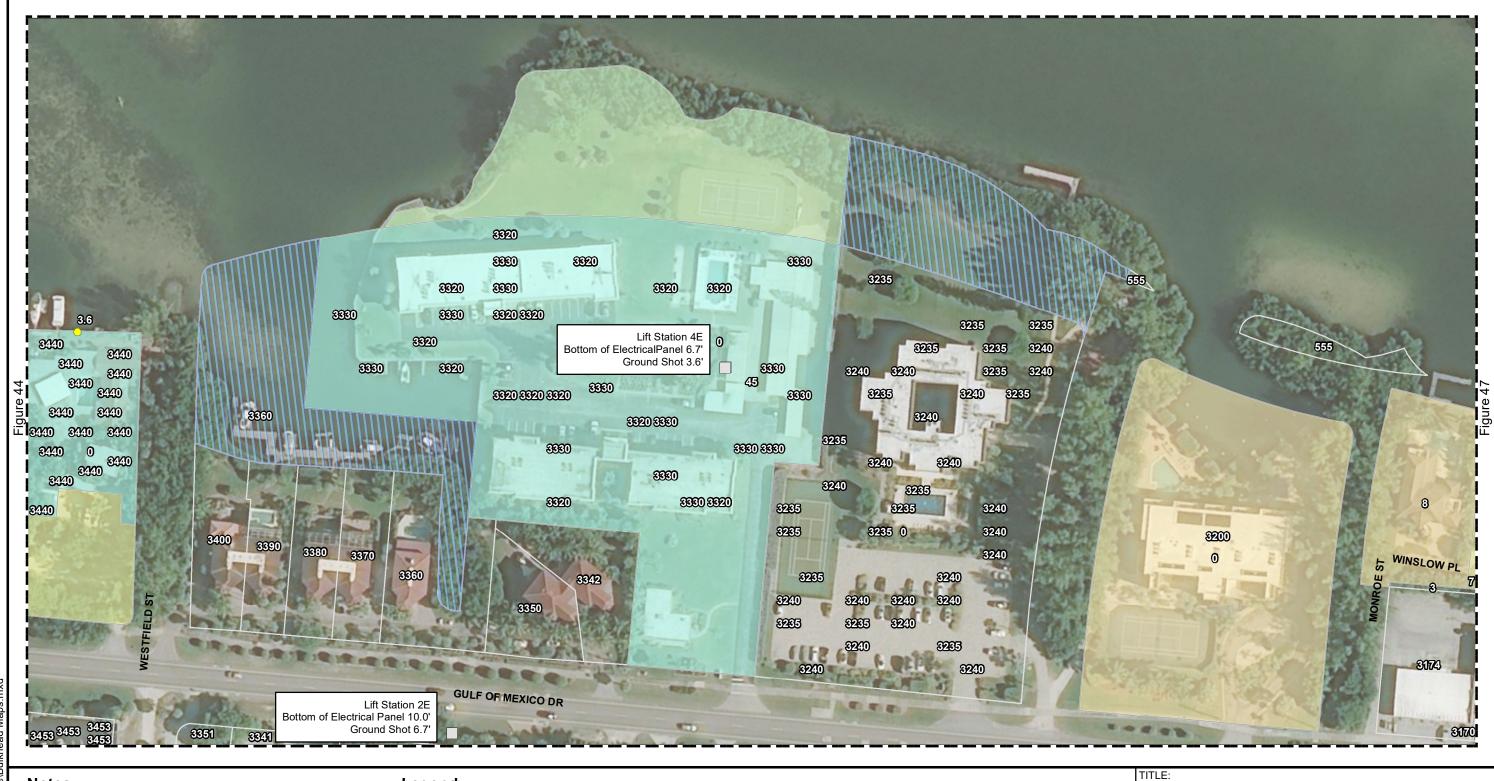
1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No. : 631005068

Figure 44

E.\CDM\I onghost Key\Ses I eye I Es\Bilbh

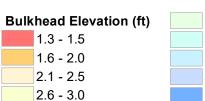


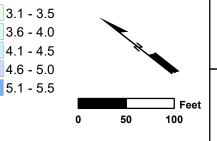
- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

Field MeasurementLift Stations

Shoreline Parcels
Natural Shoreline
Rock Revetment



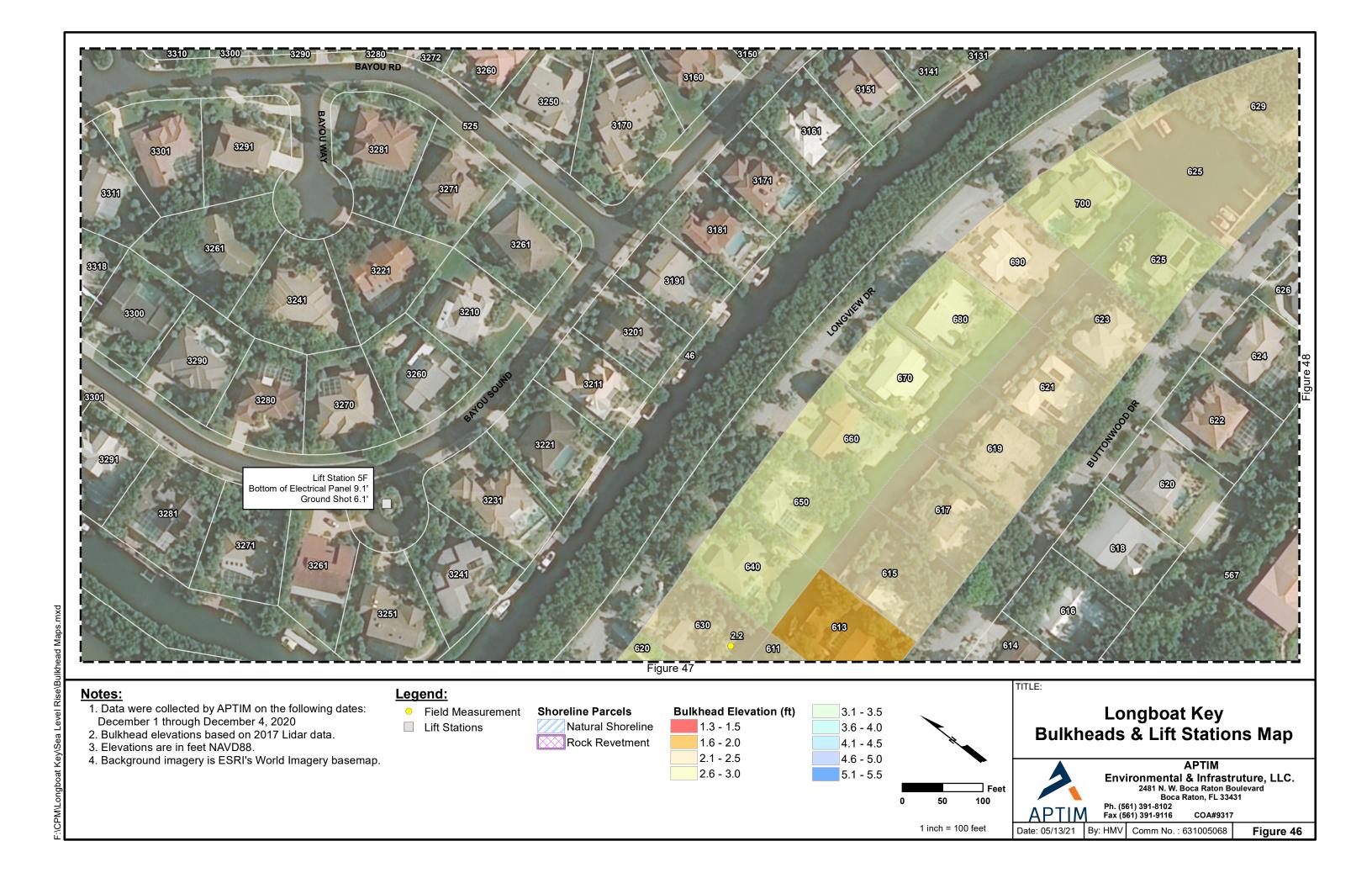


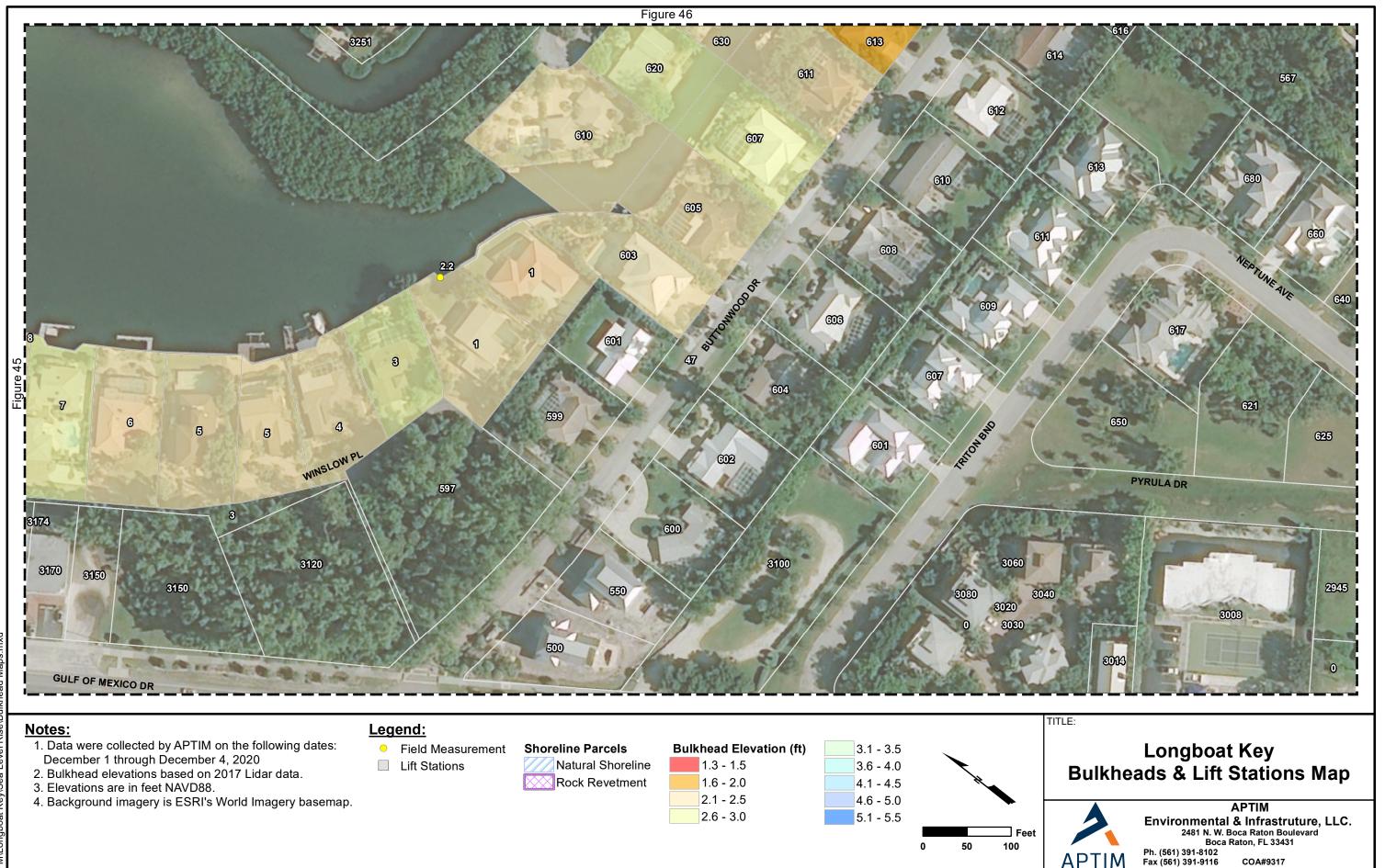
1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map



F:\CDM\\ overlappet Key\\Sea | eve | Fe\Sea\Billing





1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No. : 631005068





- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

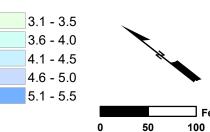
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0



1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map



APTIM Environmental & Infrastruture, LLC.
2481 N. W. Boca Raton Boulevard
Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

By: HMV | Comm No. : 631005068 Figure 49



- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

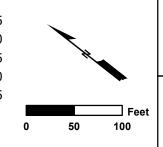
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment







1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map



APTIM Environmental & Infrastruture, LLC.
2481 N. W. Boca Raton Boulevard
Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

COA#9317 By: HMV | Comm No. : 631005068



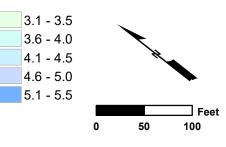
- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0



1 inch = 100 feet

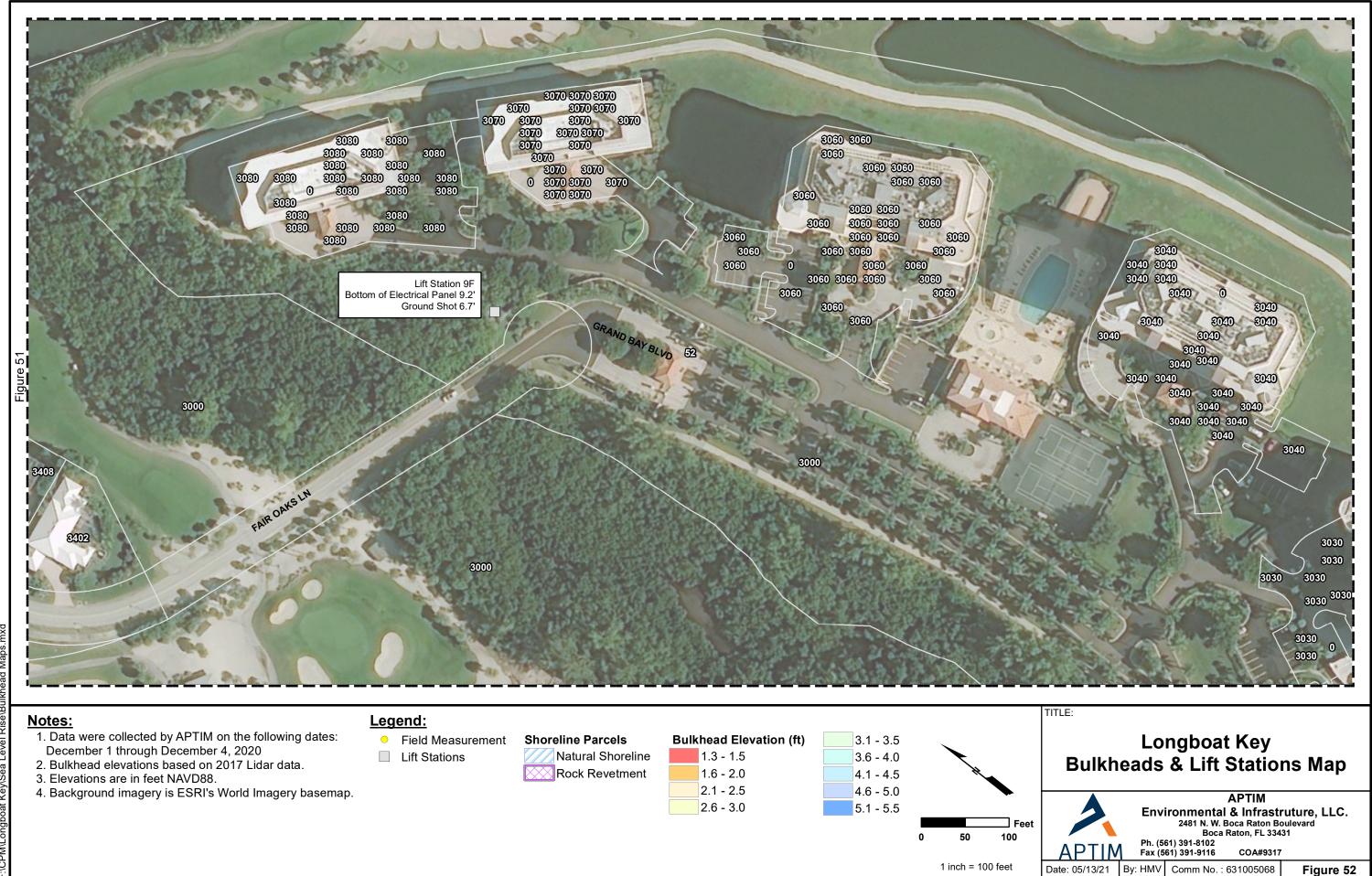
Longboat Key Bulkheads & Lift Stations Map



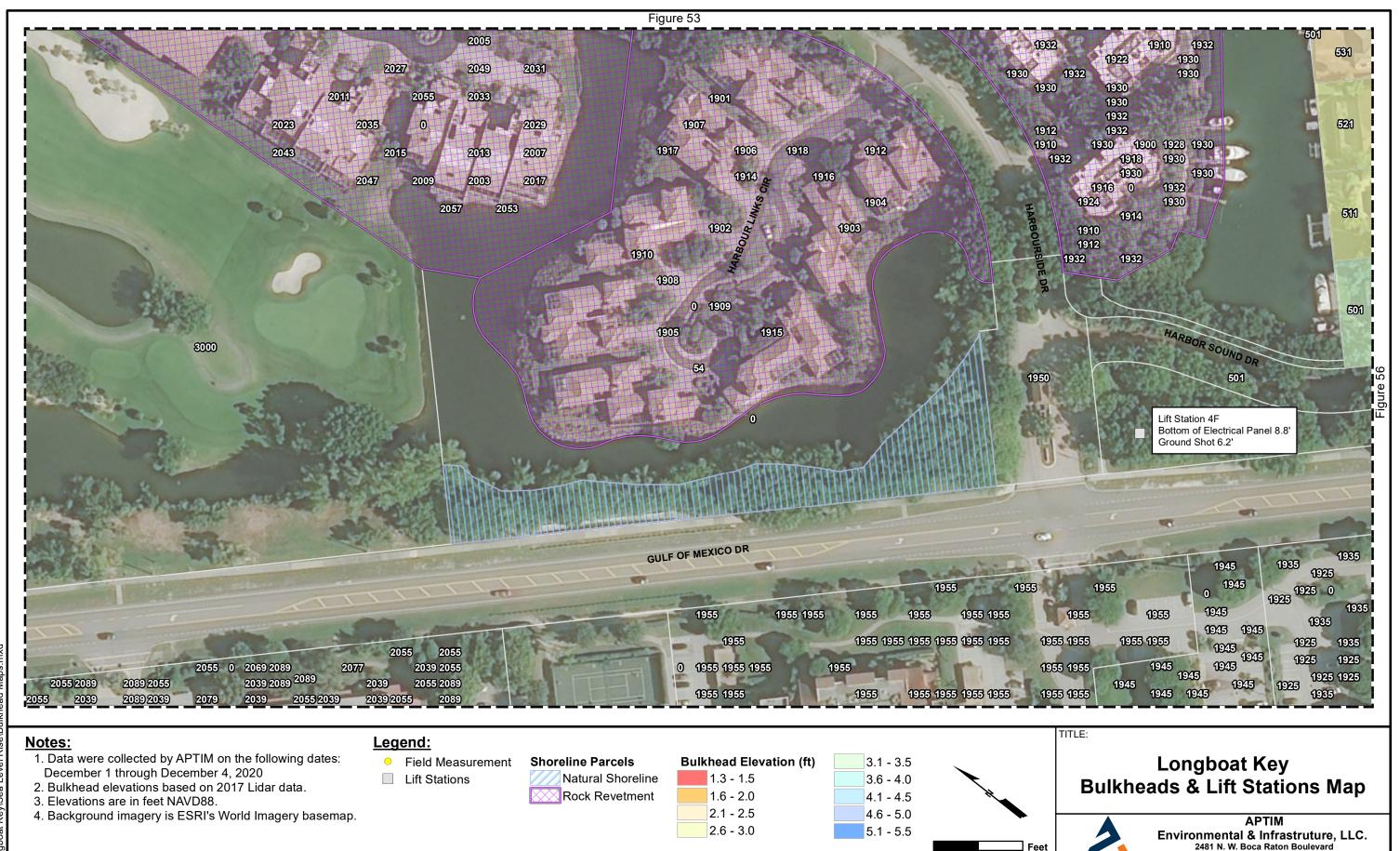
APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

COA#9317

By: HMV | Comm No. : 631005068 Date: 05/13/21







Boca Raton, FL 33431

Figure 54

Ph. (561) 391-8102 Fax (561) 391-9116

By: HMV | Comm No.: 631005068

100

Date: 05/13/21

1 inch = 100 feet

F:\CDM\\ overlappet Key\\Sea | eve | Fe\Sea\Billing

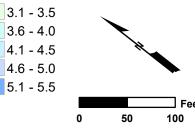


- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

 Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0



1 inch = 100 feet

APTIM

Longboat Key

Bulkheads & Lift Stations Map

Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431 Ph. (561) 391-8102 Fax (561) 391-9116

Date: 05/13/21 By: HMV | Comm No. : 631005068



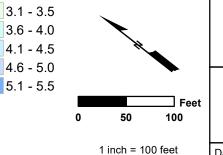
- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

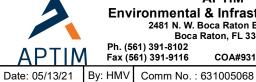
 Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0



Longboat Key Bulkheads & Lift Stations Map



APTIM

Environmental & Infrastruture, LLC.
2481 N. W. Boca Raton Boulevard
Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

COA#9317



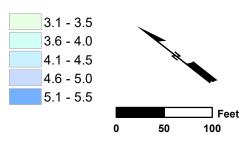
- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

Field MeasurementLift Stations

easurement Shoreline Parcels
ions Natural Shoreline
Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0



1 inch = 100 feet

APTIN Date: 05/13/21

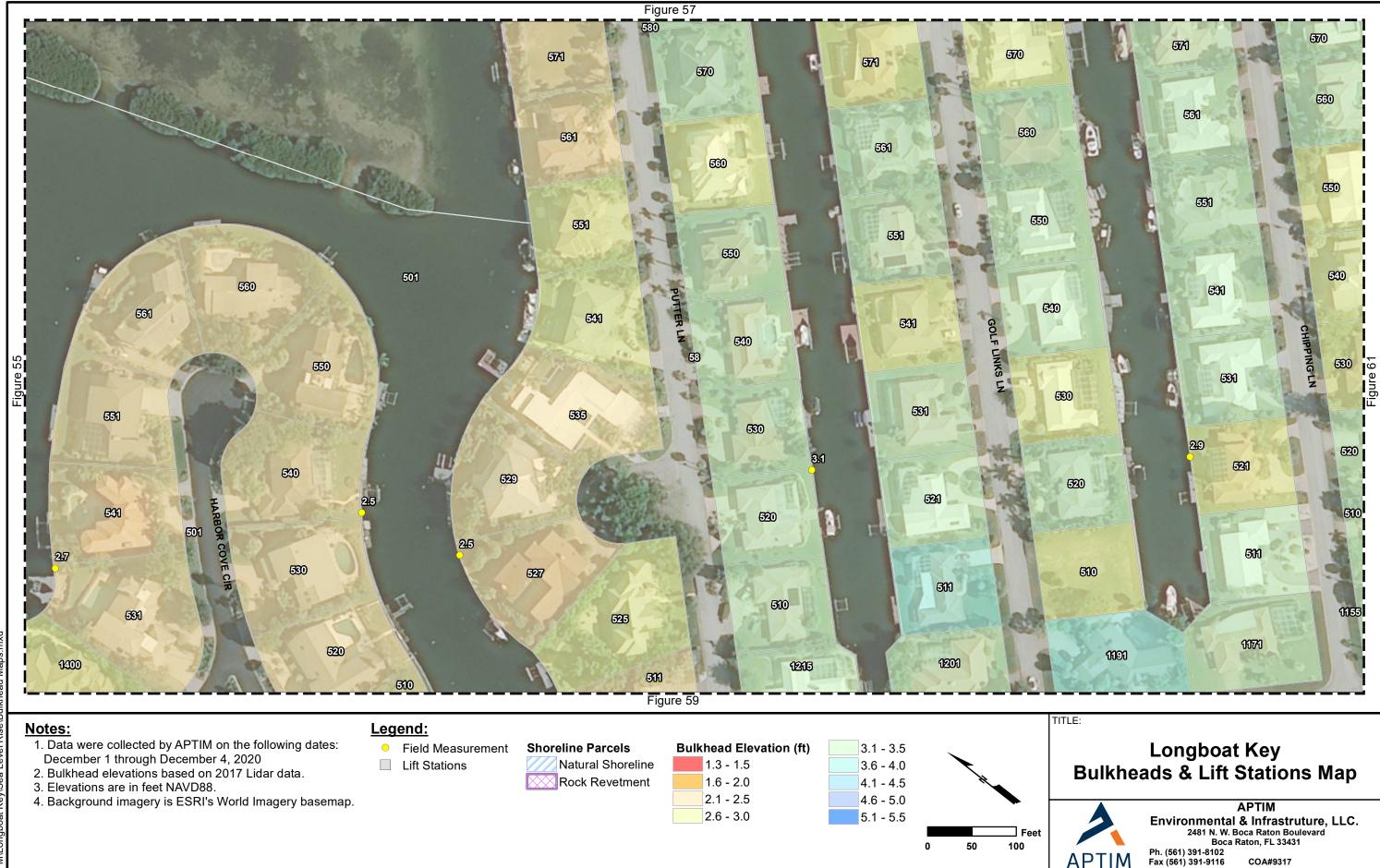
Longboat Key Bulkheads & Lift Stations Map

APTIM
Environmental & Infrastruture, LLC.
2481 N. W. Boca Raton Boulevard
Boca Raton, FL 33431
Ph. (561) 391-8102
Fax (561) 391-9116 COA#9317

By: HMV | Comm No. : 631005068

Figure 57

Social and Leading Many I and Disch



1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No. : 631005068

Figure 58

E.\CDM\\ opdboot Ke\\Sea | eye | E.\CDM\\



- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

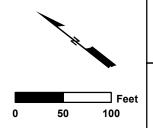
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5





1 inch = 100 feet

Bulkheads & Lift Stations Map APTIM



Environmental & Infrastruture, LLC.
2481 N. W. Boca Raton Boulevard
Boca Raton, FL 33431

COA#9317

Longboat Key

By: HMV | Comm No.: 631005068 Figure 59



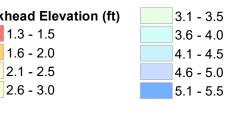
- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

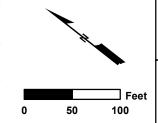
Legend:

Field Measurement

Shoreline Parcels Lift Stations Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0

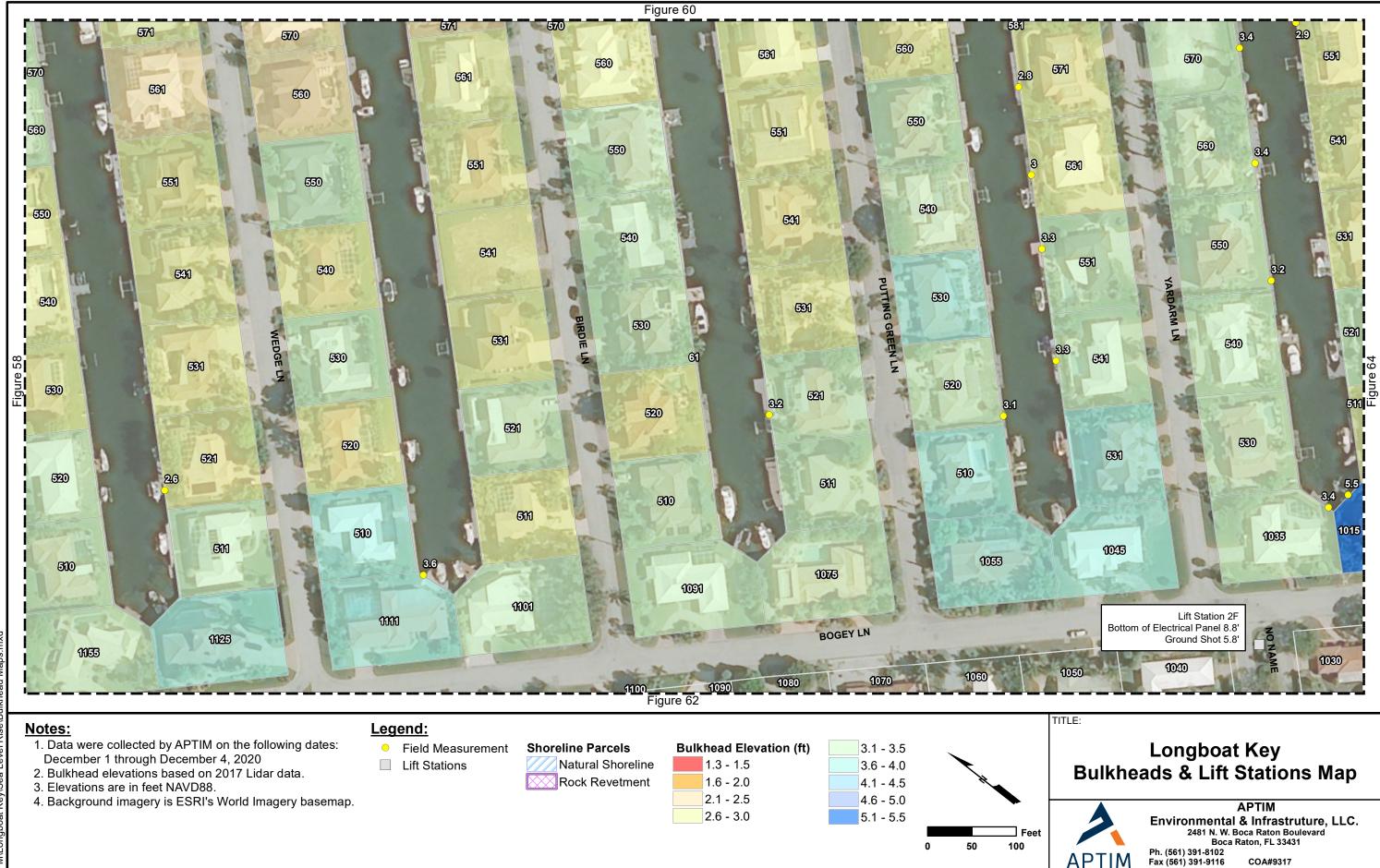




1 inch = 100 feet

Longboat Key **Bulkheads & Lift Stations Map**





COA#9317

Figure 61

By: HMV | Comm No.: 631005068

1 inch = 100 feet

Date: 05/13/21



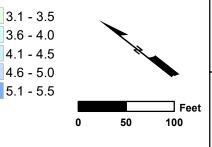
- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

Field MeasurementLift Stations

Shoreline Parcels
Natural Shoreline
Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0



1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map



Alling/paid law Looking X toods at INMOOVED



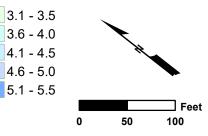
- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Legend:

 Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5 2.6 - 3.0



1 inch = 100 feet

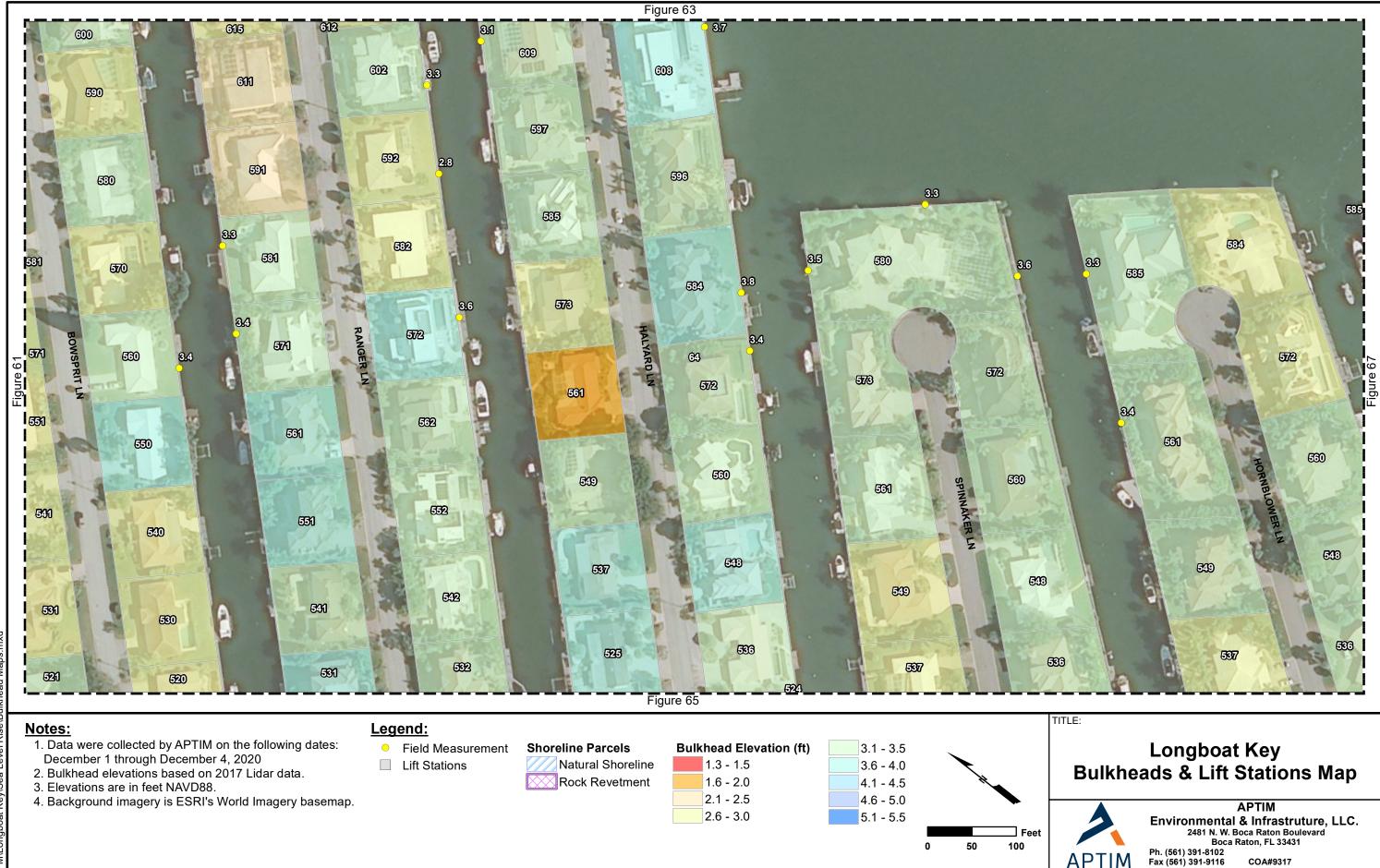
Longboat Key **Bulkheads & Lift Stations Map**



APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

By: HMV | Comm No. : 631005068



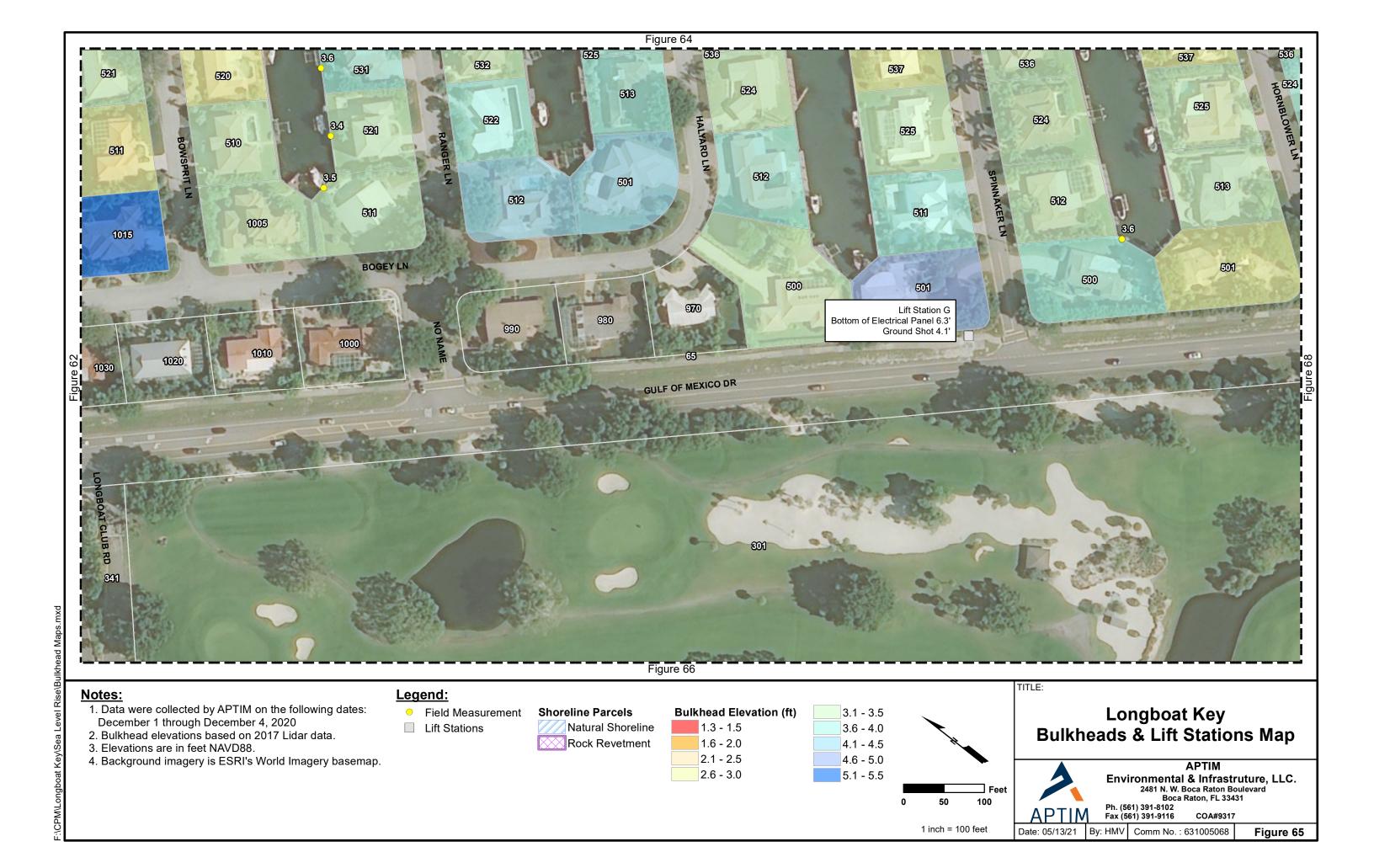
1 inch = 100 feet

Date: 05/13/21

By: HMV | Comm No. : 631005068

Figure 64

Signature I cooked to be a long like





- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

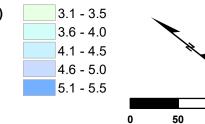
Legend:

Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0



Longboat Key Bulkheads & Lift Stations Map



APTIM Environmental & Infrastruture, LLC.
2481 N. W. Boca Raton Boulevard
Boca Raton, FL 33431

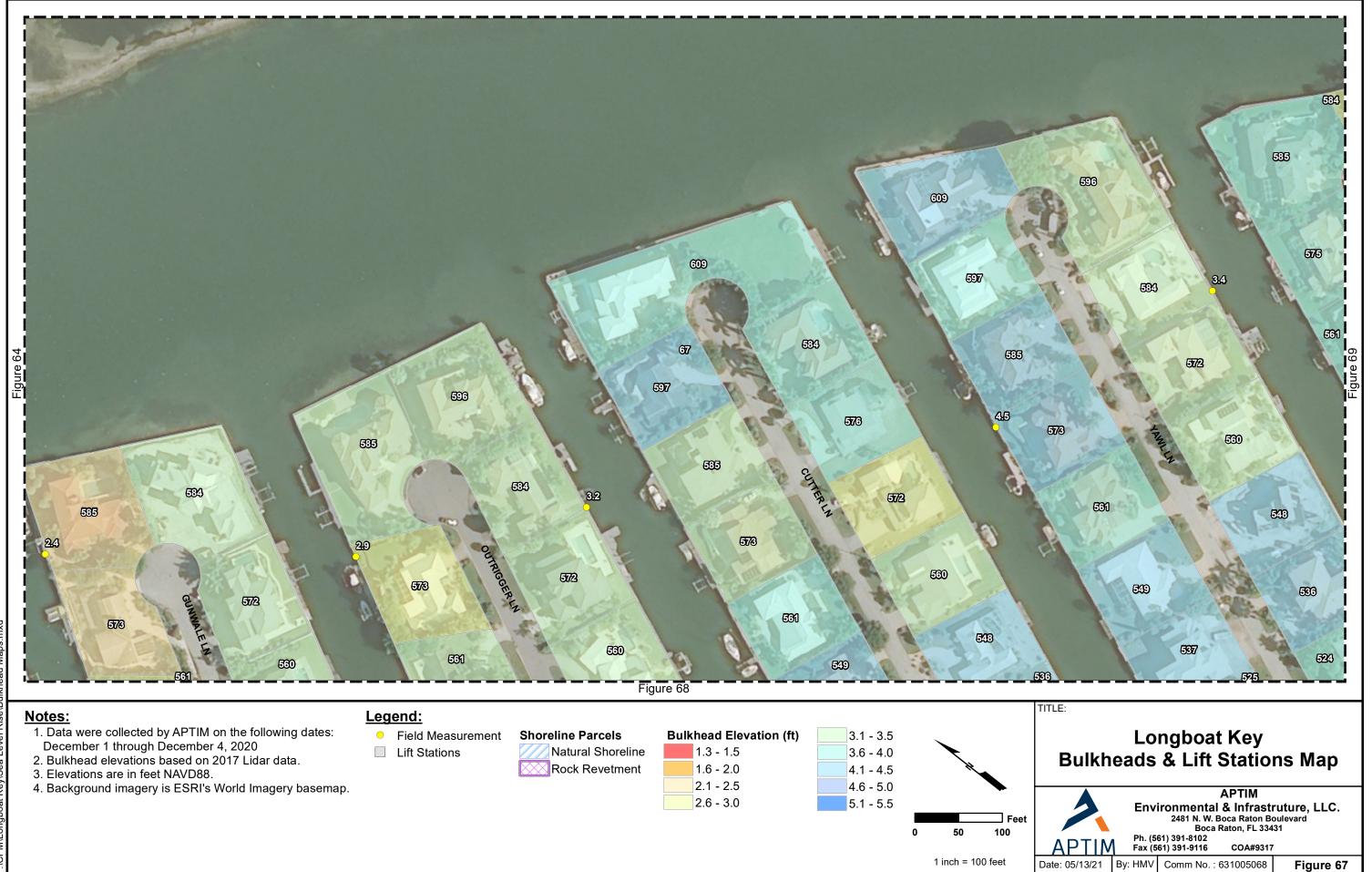
Ph. (561) 391-8102 Fax (561) 391-9116

Date: 05/13/21

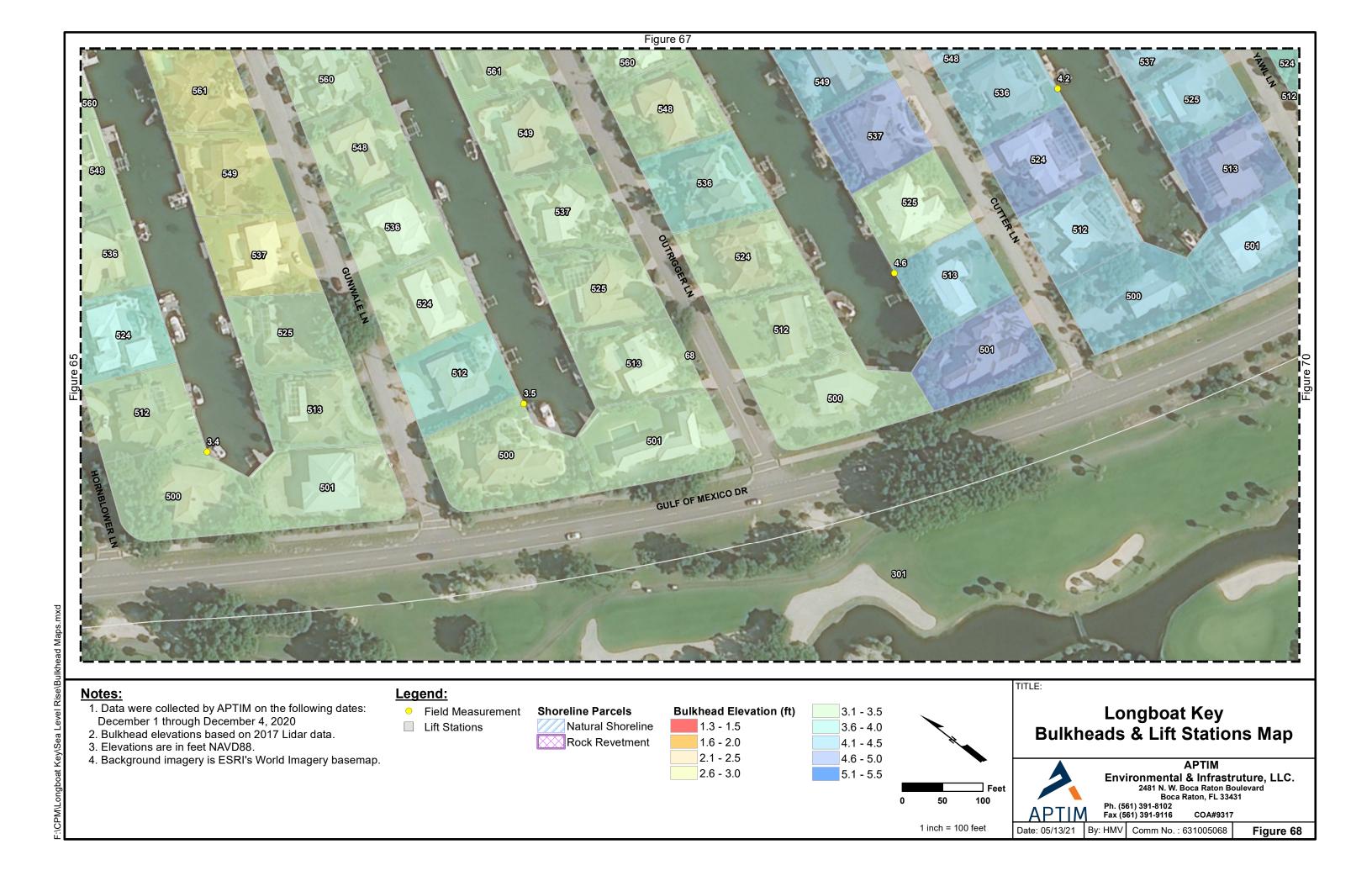
100

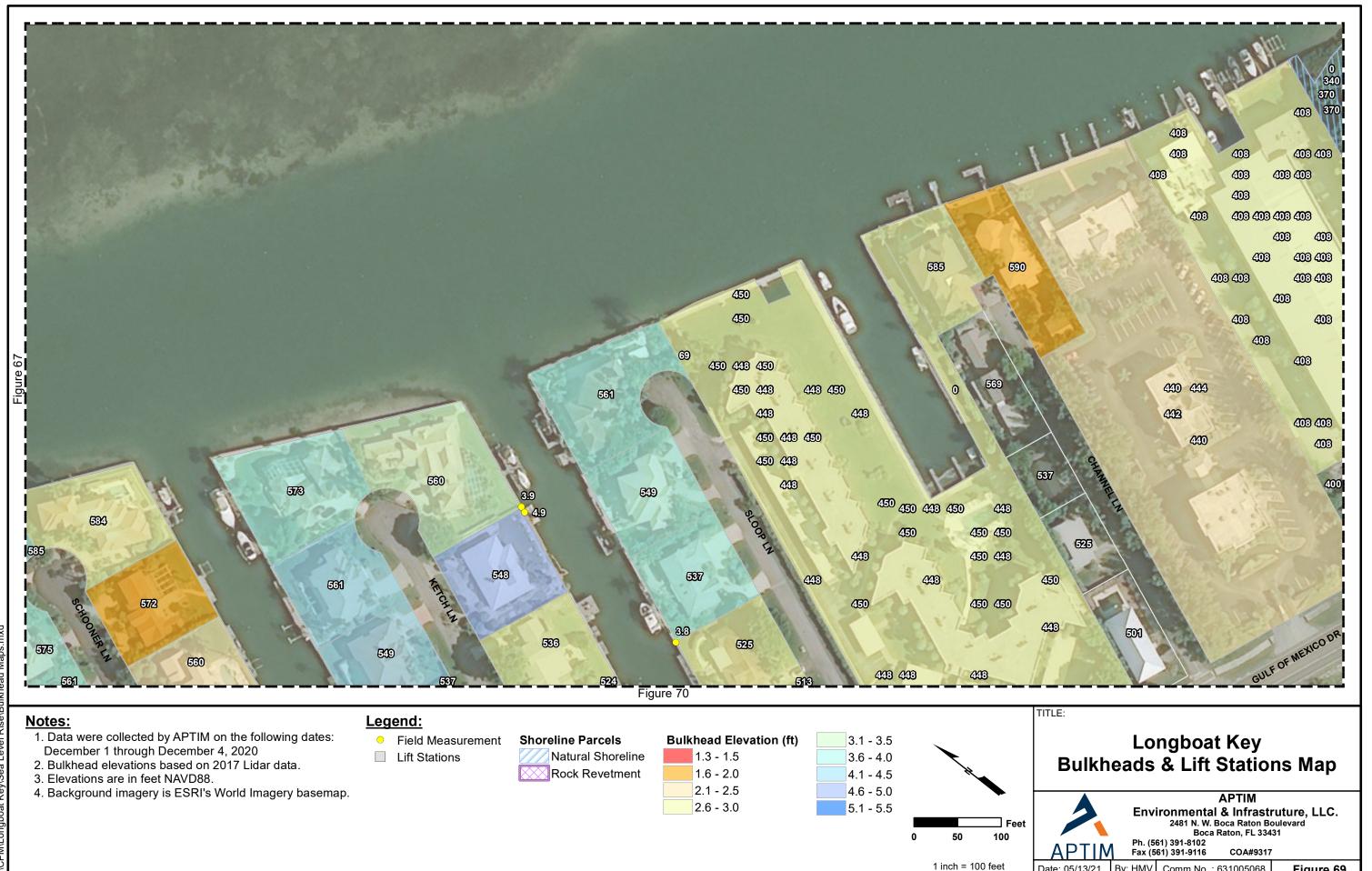
1 inch = 100 feet

By: HMV | Comm No. : 631005068



E.\CDM\I onaboat Key\Sea I eye I Bise\B

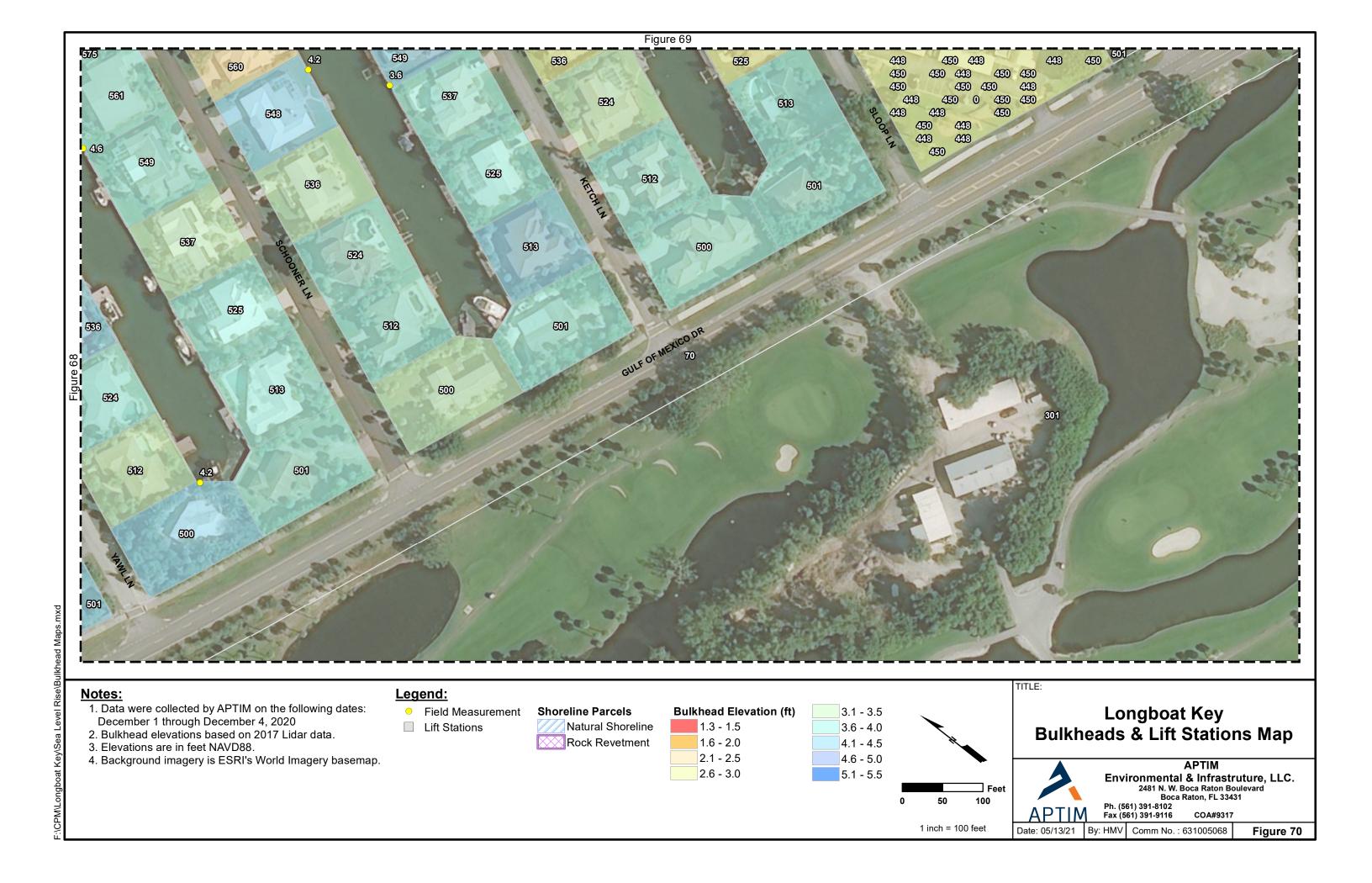




By: HMV | Comm No. : 631005068

Figure 69

Date: 05/13/21





- Data were collected by APTIM on the following dates:
 December 1 through December 4, 2020
- Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

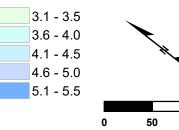
Legend:

 Field Measurement Lift Stations

Shoreline Parcels Natural Shoreline Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0



Longboat Key Bulkheads & Lift Stations Map



100

1 inch = 100 feet

APTIM Environmental & Infrastruture, LLC. 2481 N. W. Boca Raton Boulevard Boca Raton, FL 33431

Ph. (561) 391-8102 Fax (561) 391-9116

COA#9317 By: HMV | Comm No. : 631005068





1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020

- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

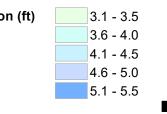
Legend:

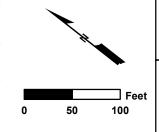
Field MeasurementLift Stations

nent Shoreline Parcels
Natural Shoreline
Rock Revetment

Bulkhead Elevation (ft) 1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0





1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map



E.\CDM\| cachest Key\Sea | eye | E\CDM\|



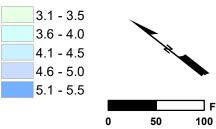
- 1. Data were collected by APTIM on the following dates: December 1 through December 4, 2020
- 2. Bulkhead elevations based on 2017 Lidar data.
- 3. Elevations are in feet NAVD88.
- 4. Background imagery is ESRI's World Imagery basemap.

Field MeasurementLift Stations

ement Shoreline Parcels
Natural Shoreline
Rock Revetment

1.3 - 1.5 1.6 - 2.0 2.1 - 2.5

2.6 - 3.0



1 inch = 100 feet

Longboat Key Bulkheads & Lift Stations Map

