

# Generalized Inundation

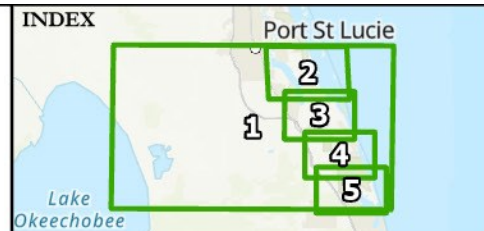
## R1911 Resiliency Planning Grant Martin County, Florida



AClark 06/09/2020 Z:/1836B



**Projection:** NOAA Intermediate High  
**Year:** 2100  
**Water Rise (Inches):** Approx. 74  
**Scenario:** MHHW  
**Page:** 1 of 5



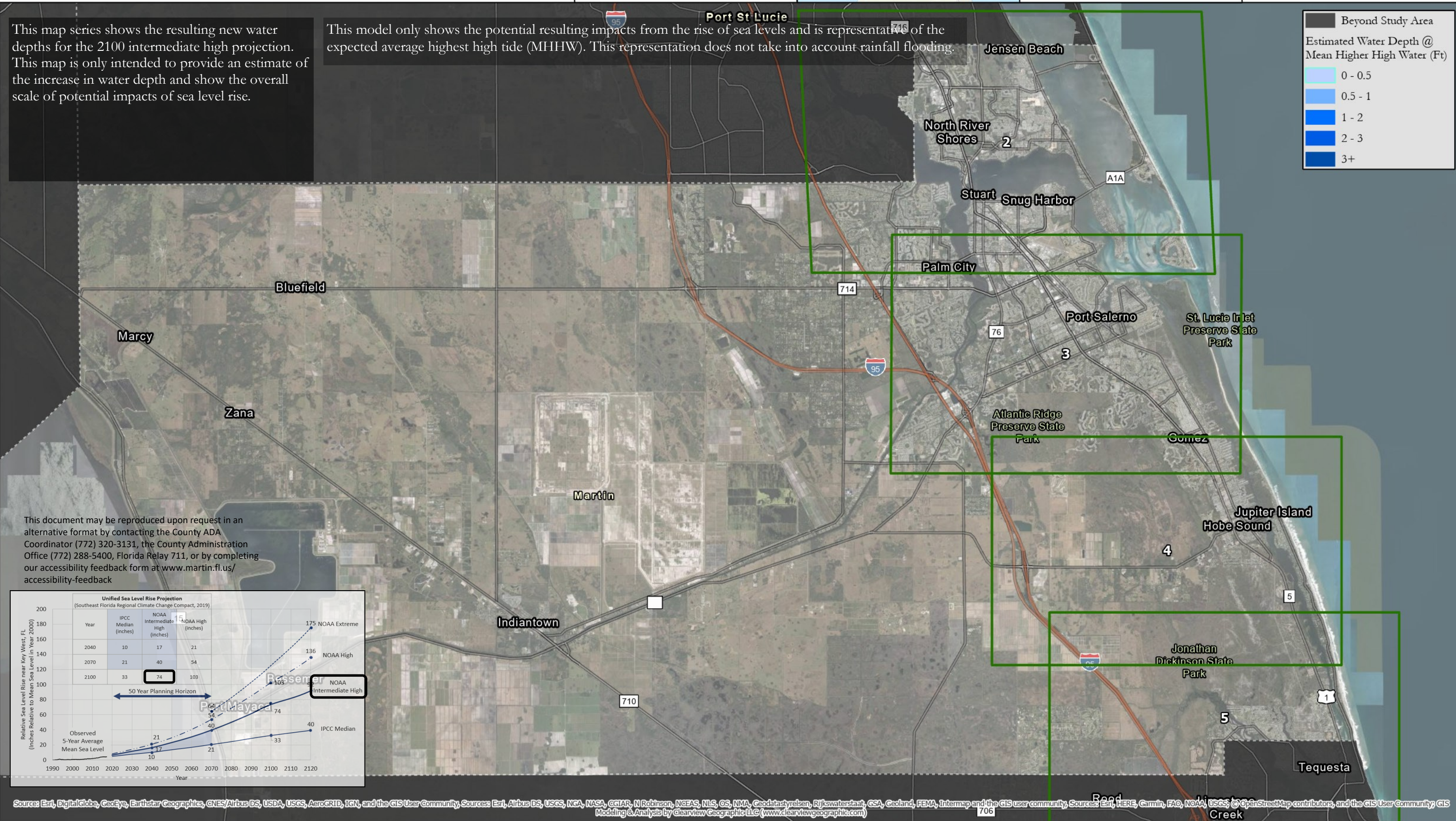
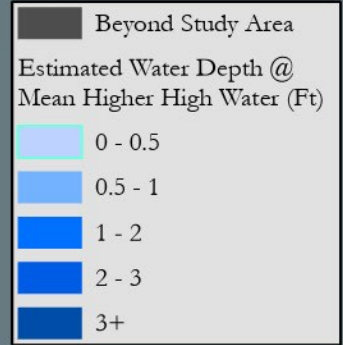
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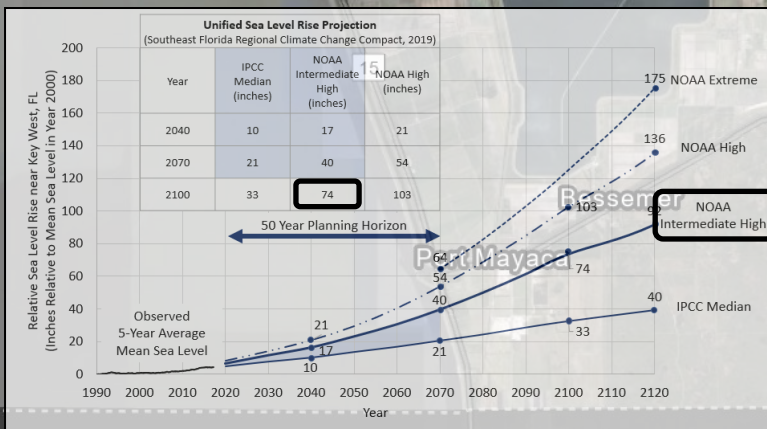
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 DeLand, Florida 32720  
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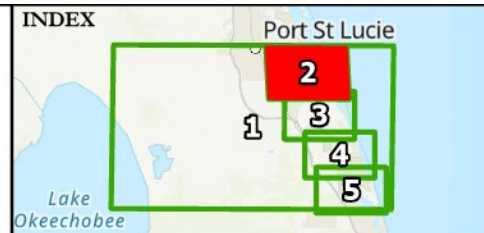
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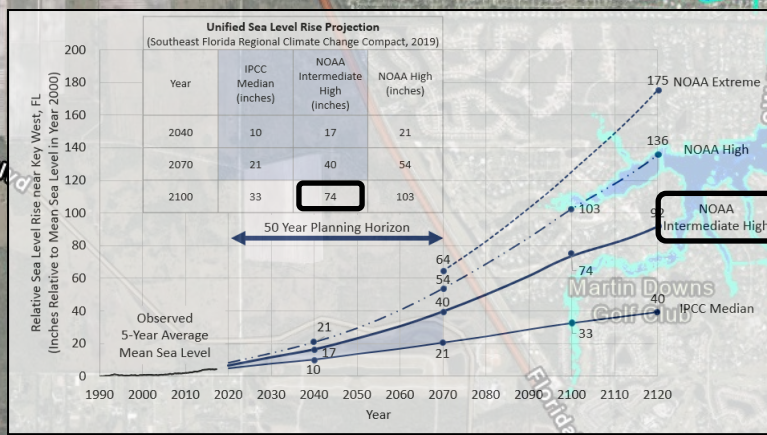
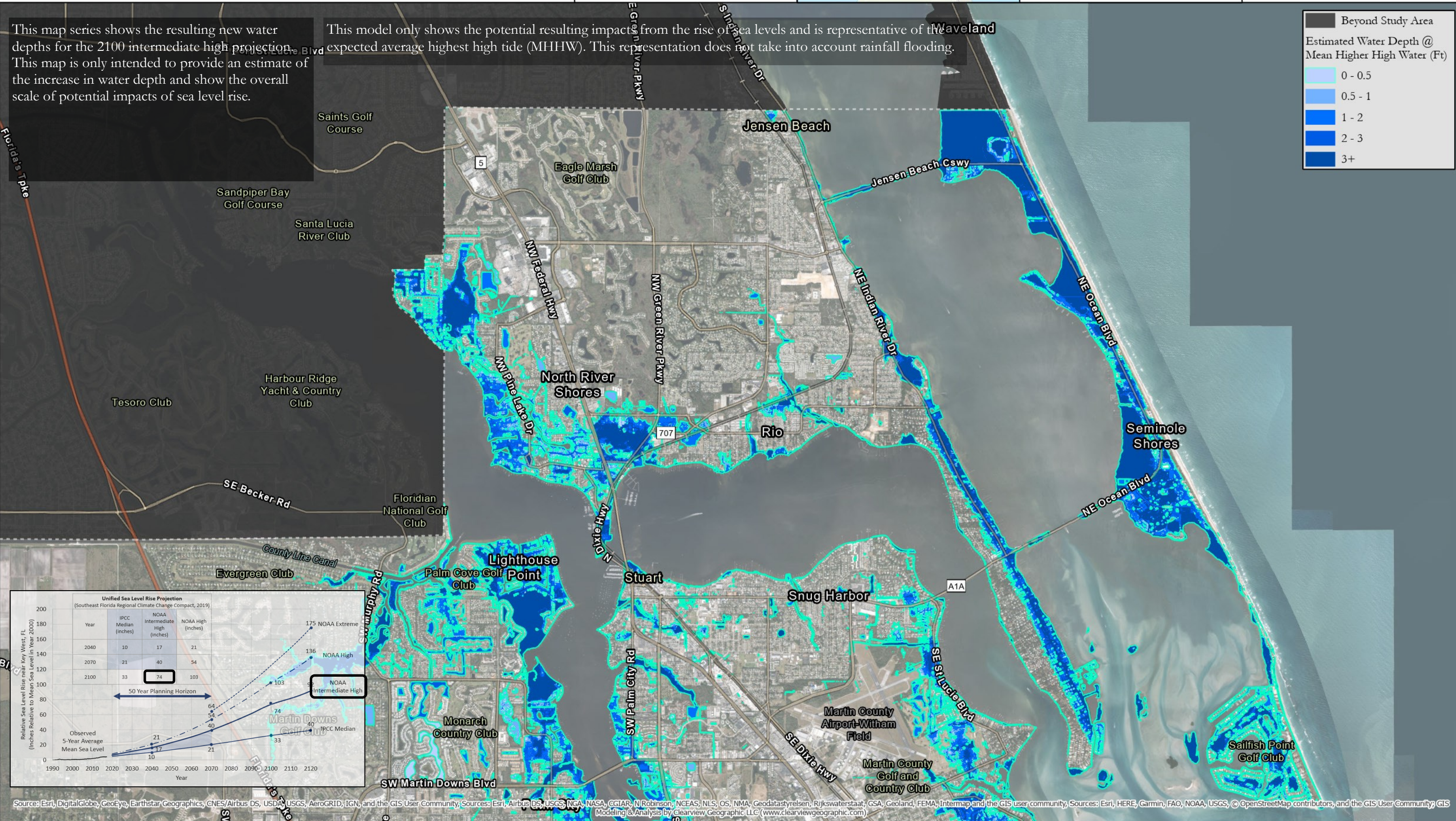
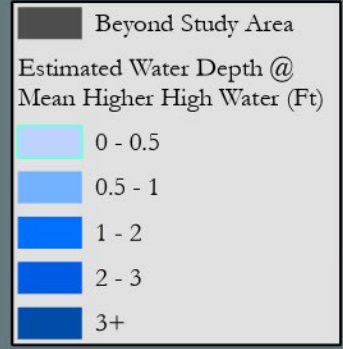
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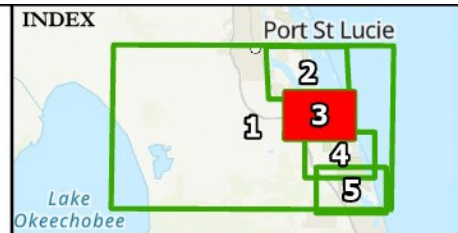
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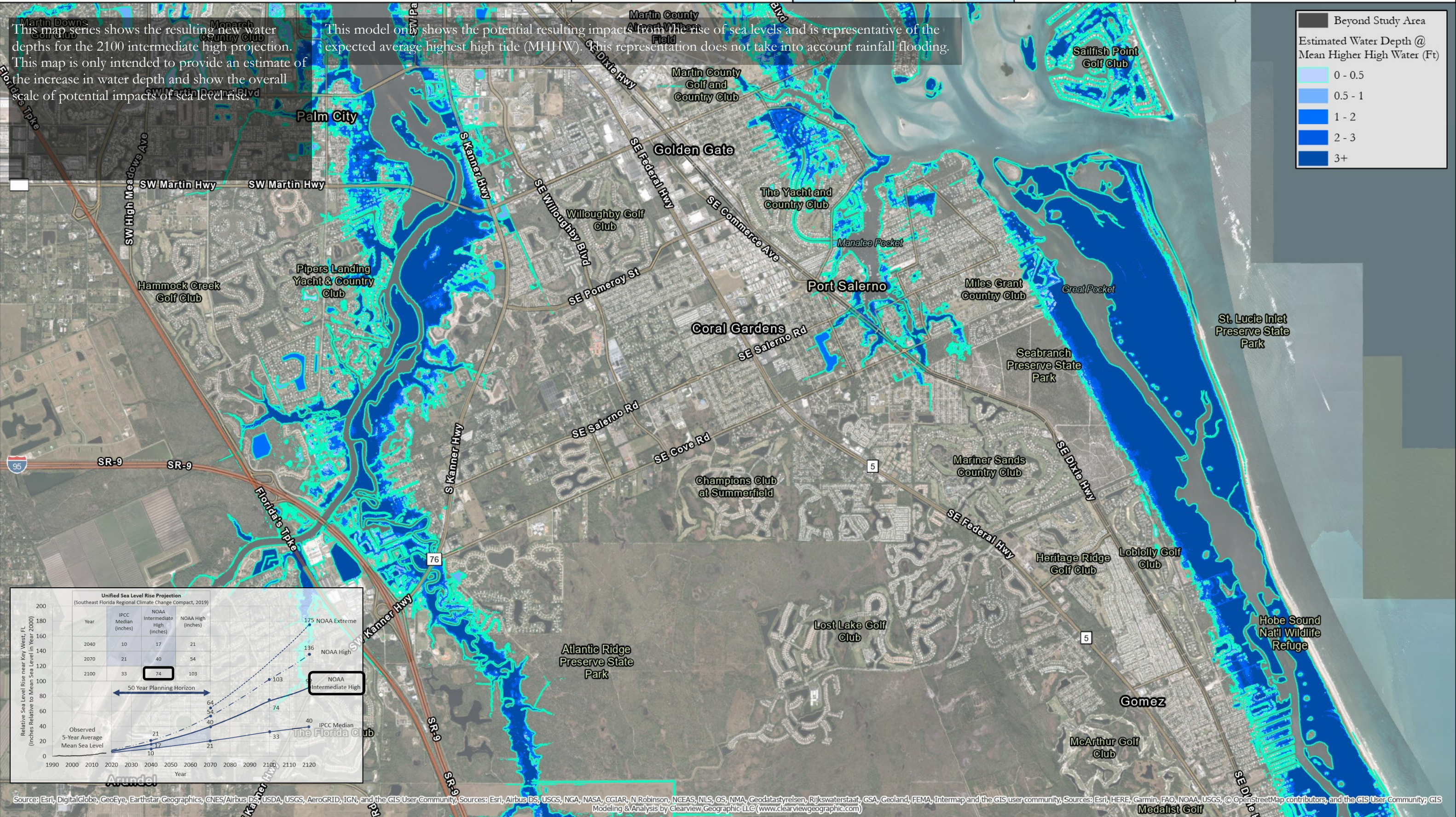
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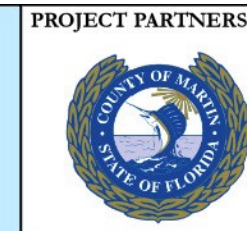
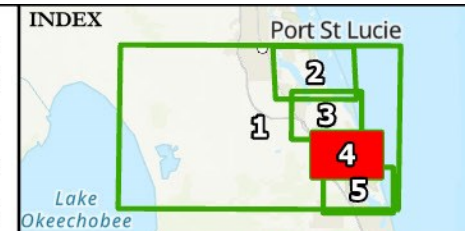
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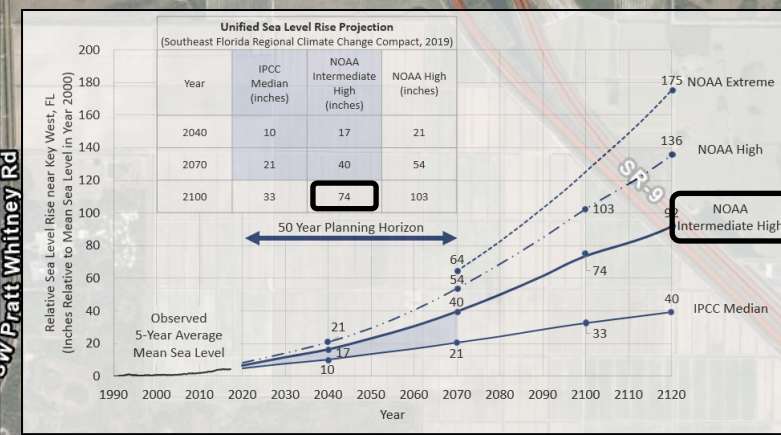
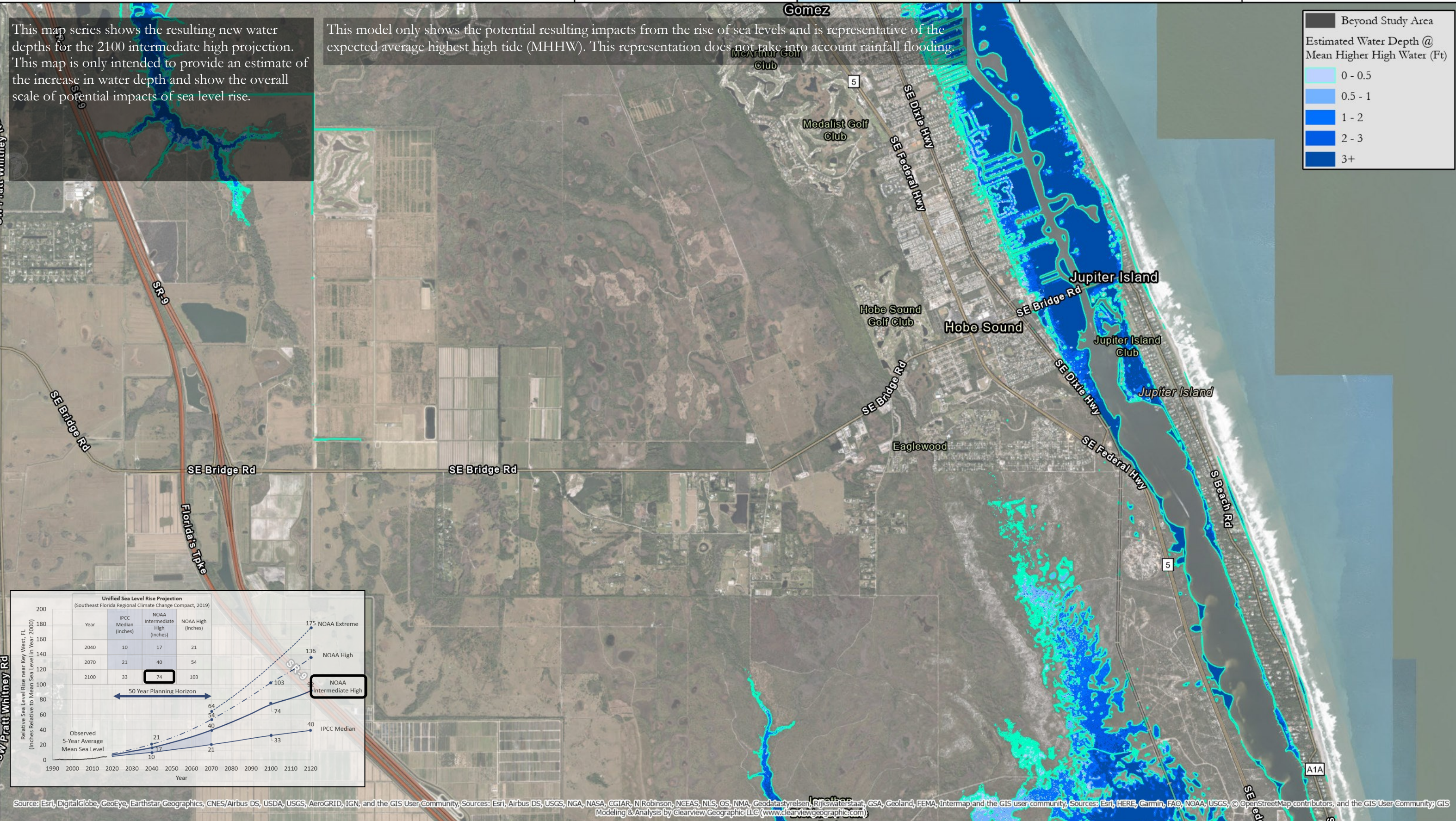
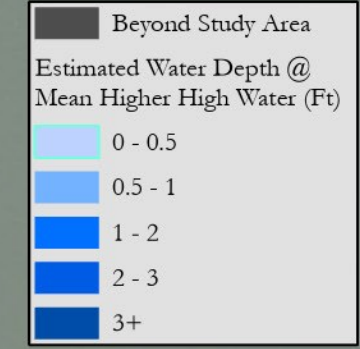
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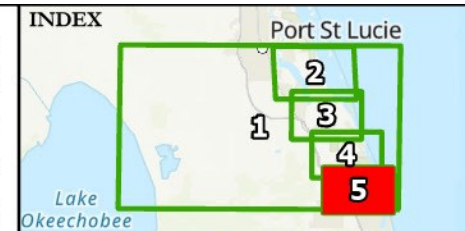
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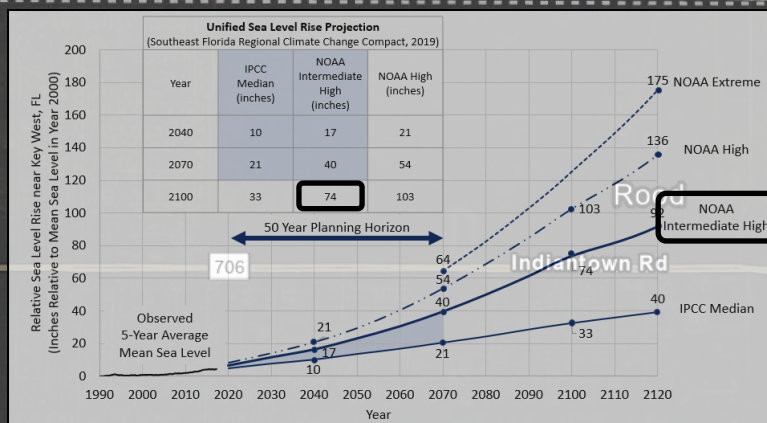
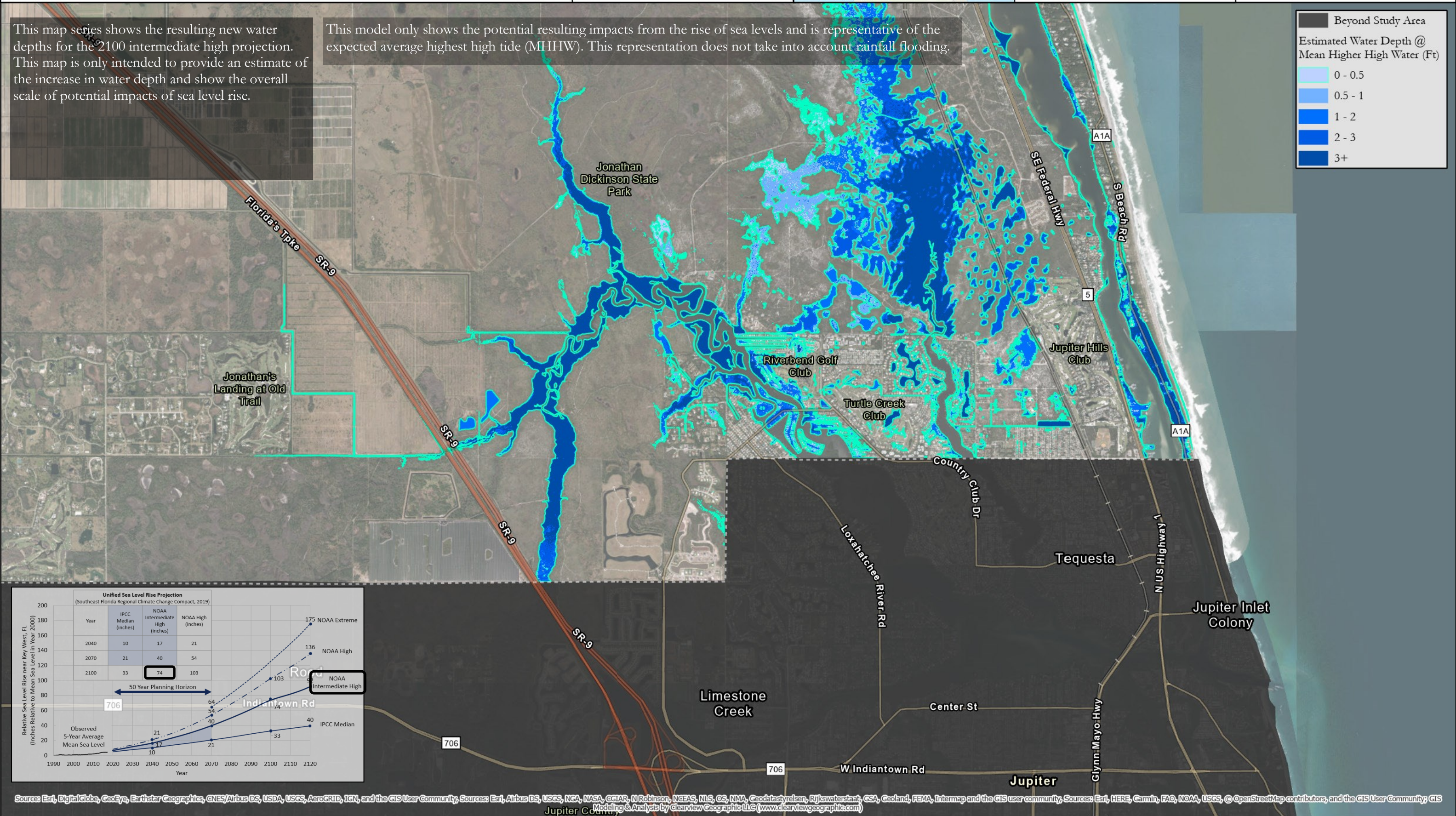
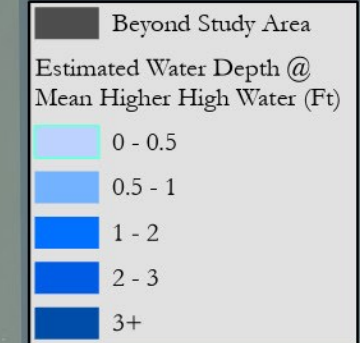
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# Stormwater Vulnerability

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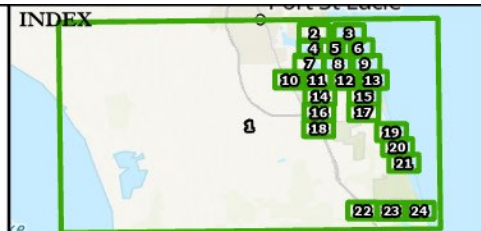
### Martin County, Florida

0 5,000 10,000 20,000 Feet

AClark 06/09/2020 Z:/1836B



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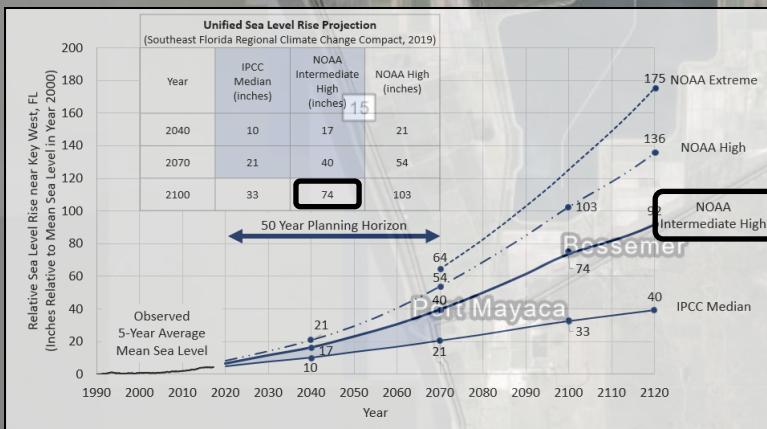
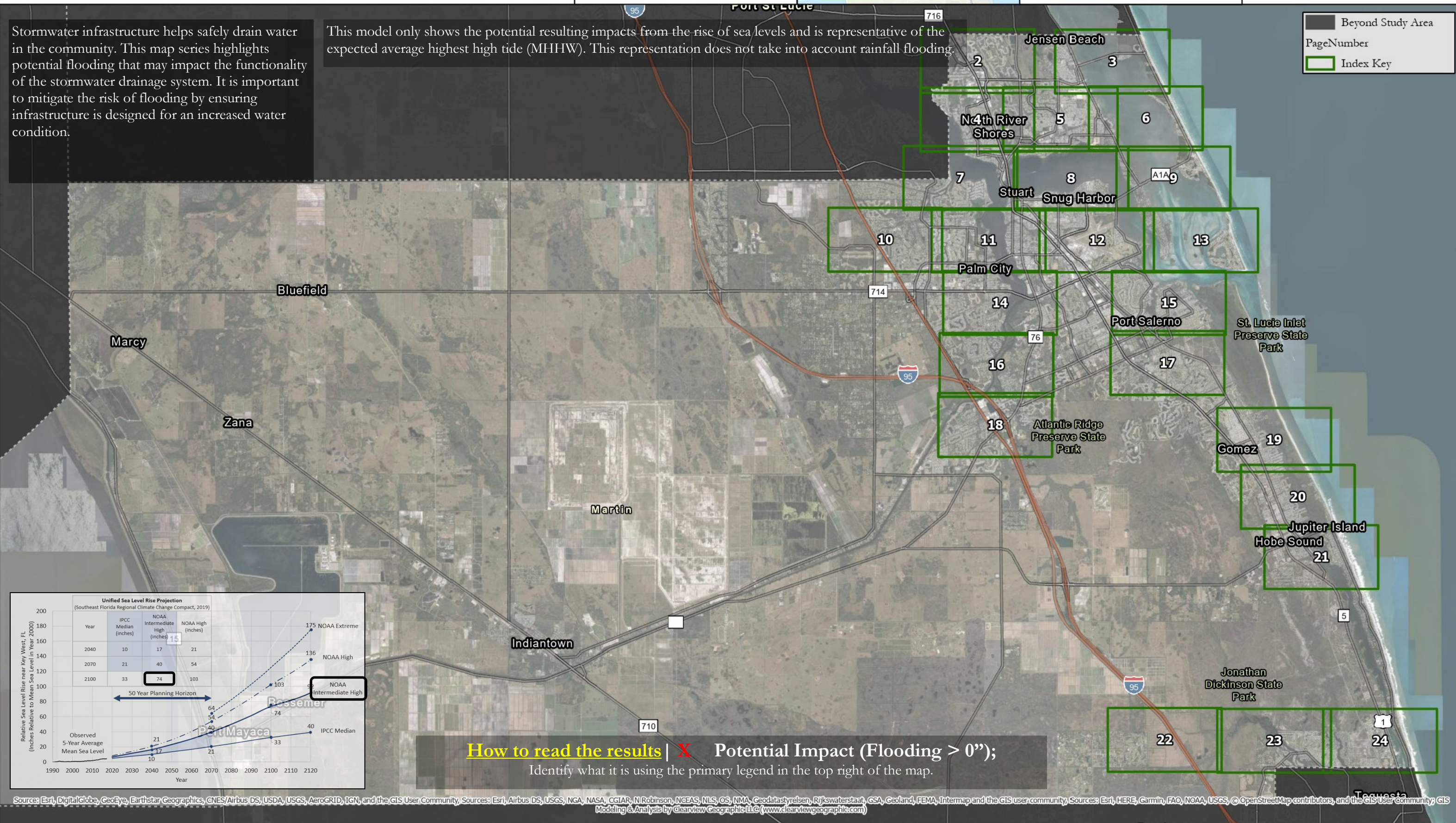


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■ Beyond Study Area  
 PageNumber  
 □ Index Key



**How to read the results | X Potential Impact (Flooding > 0");**  
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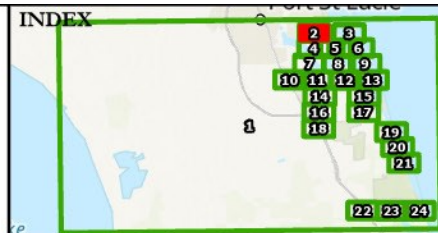
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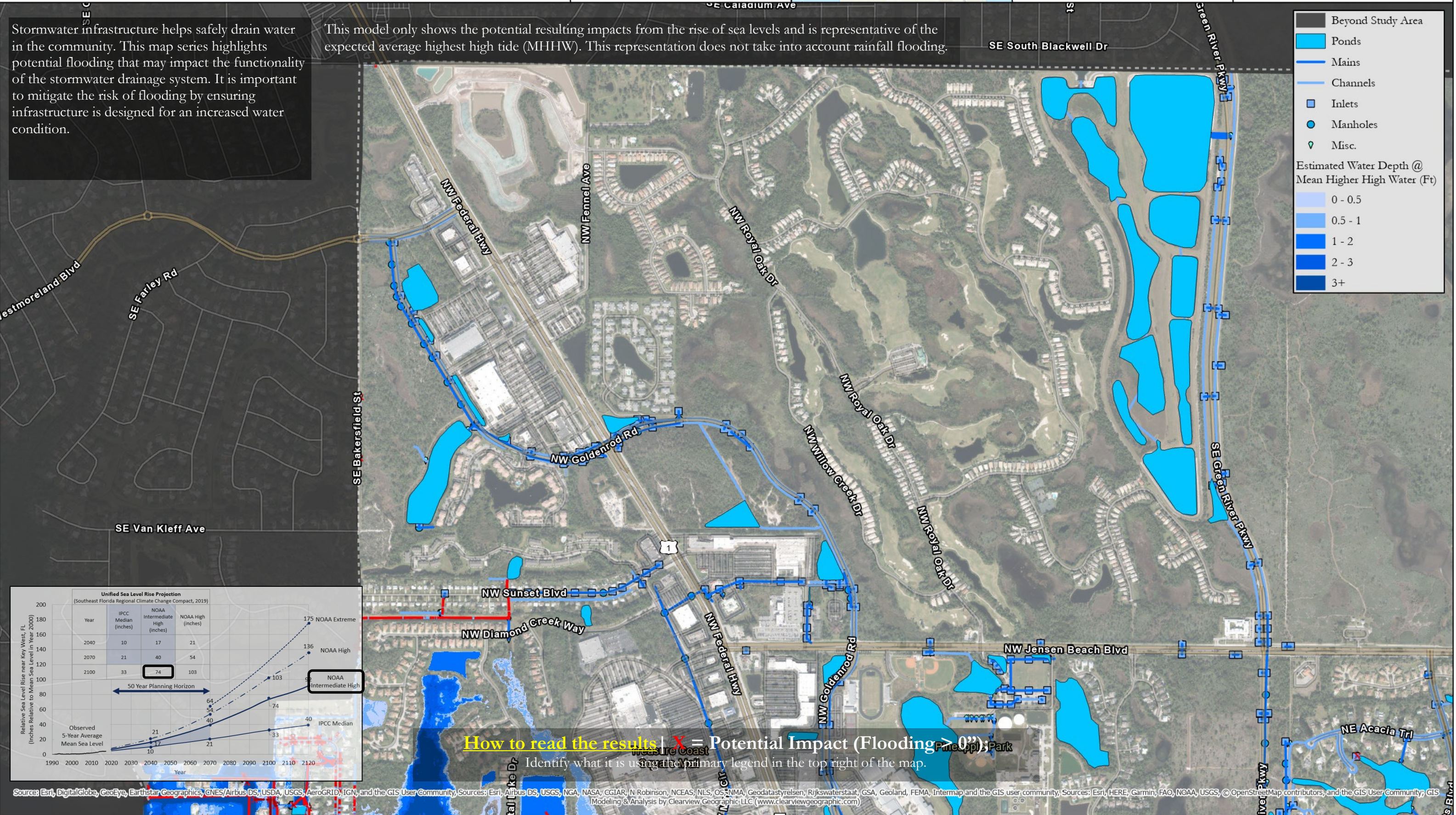
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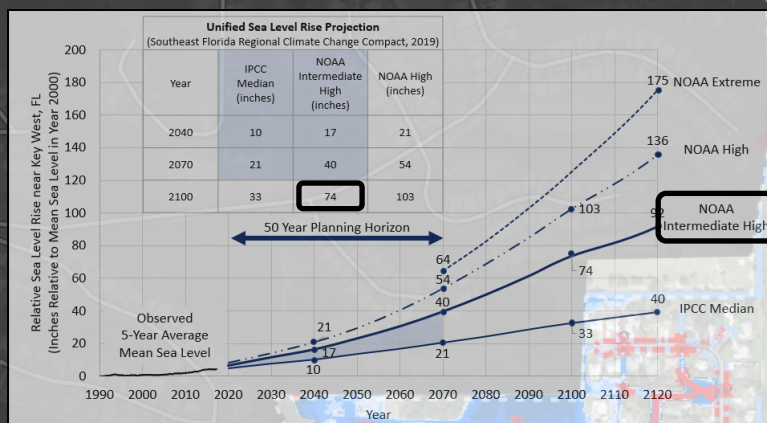


**Beyond Study Area**

- Ponds
- Mains
- Channels
- Inlets
- Manholes
- Misc.

**Estimated Water Depth @ Mean Higher High Water (Ft)**

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3+



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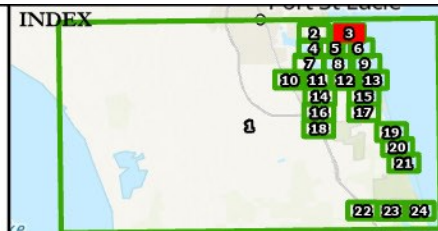
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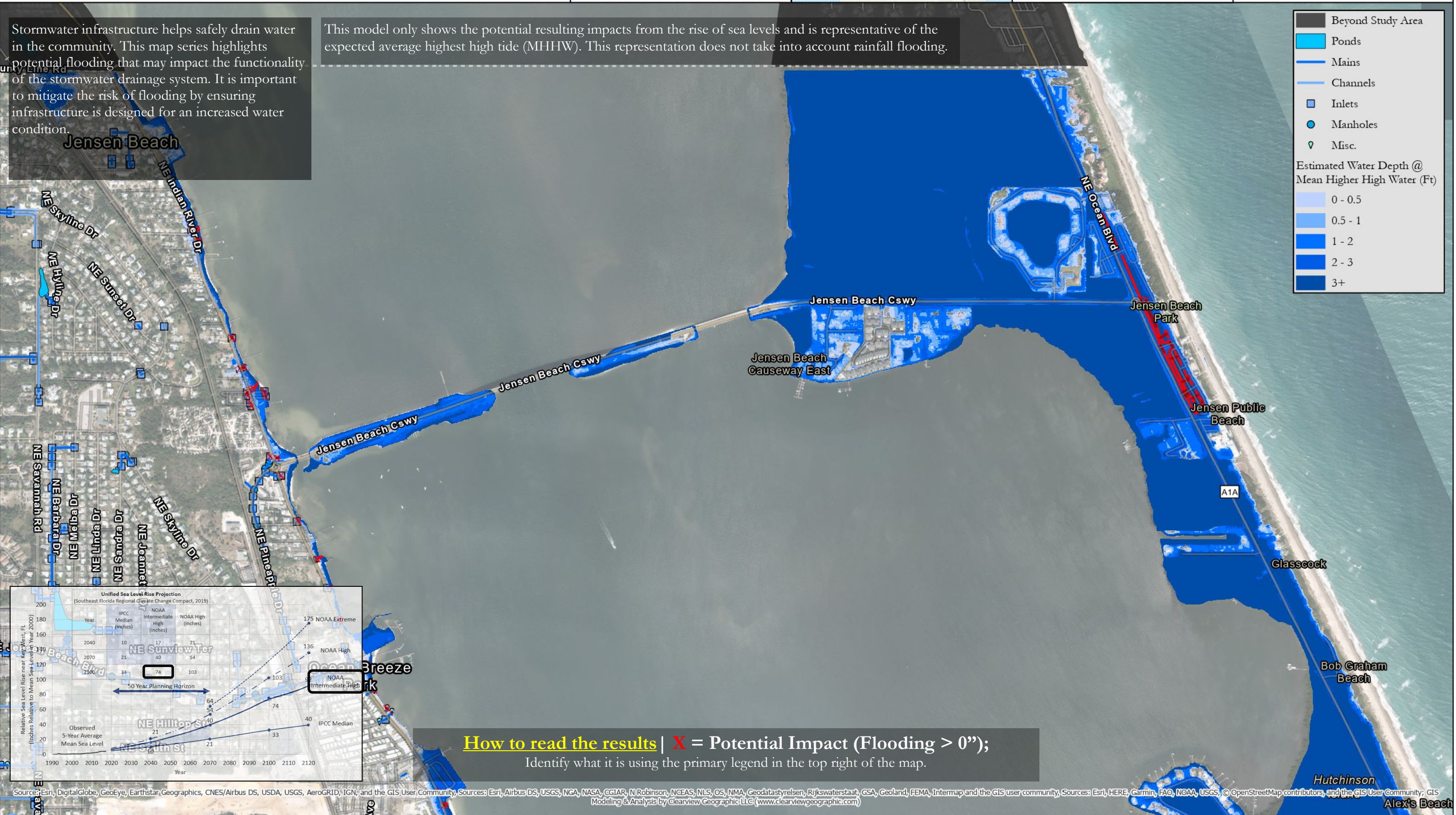
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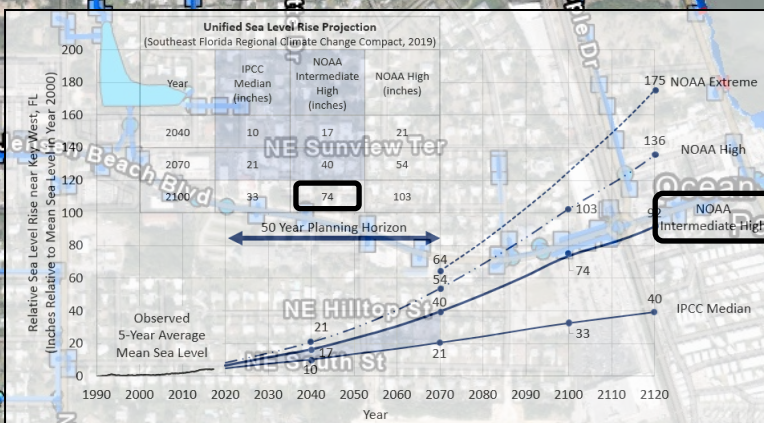


**Beyond Study Area**

- Ponds
- Mains
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- Misc.

Estimated Water Depth @ Mean Higher High Water (Ft)

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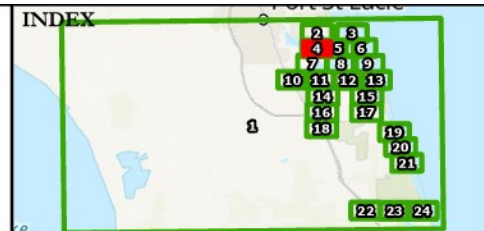
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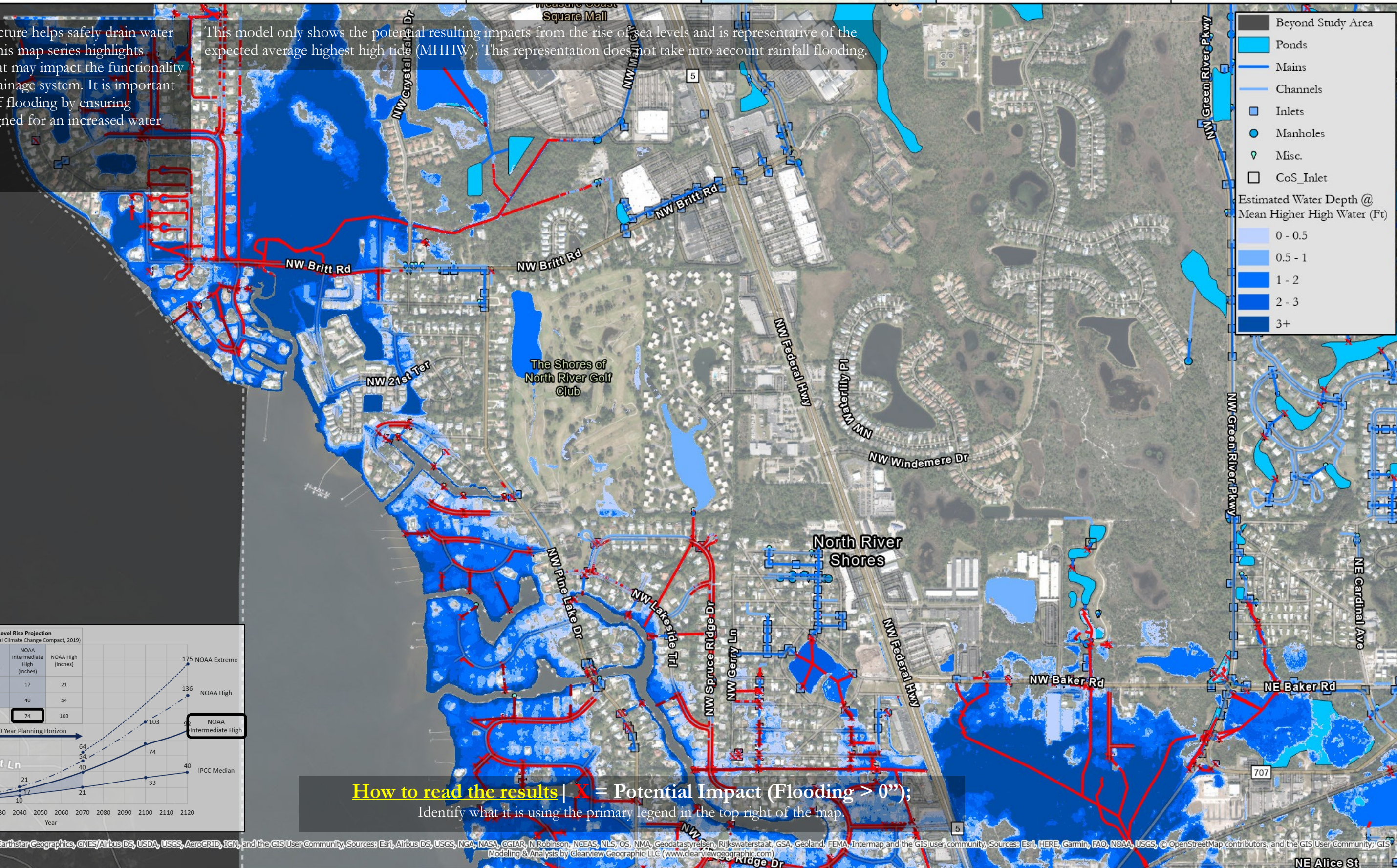
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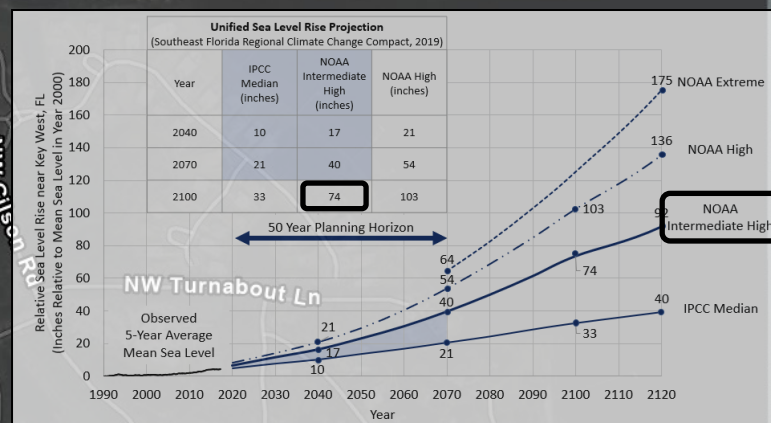


**Beyond Study Area**

- Ponds
- Mains
- Channels
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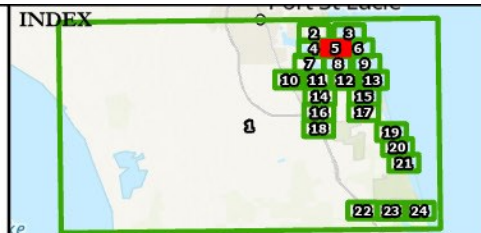
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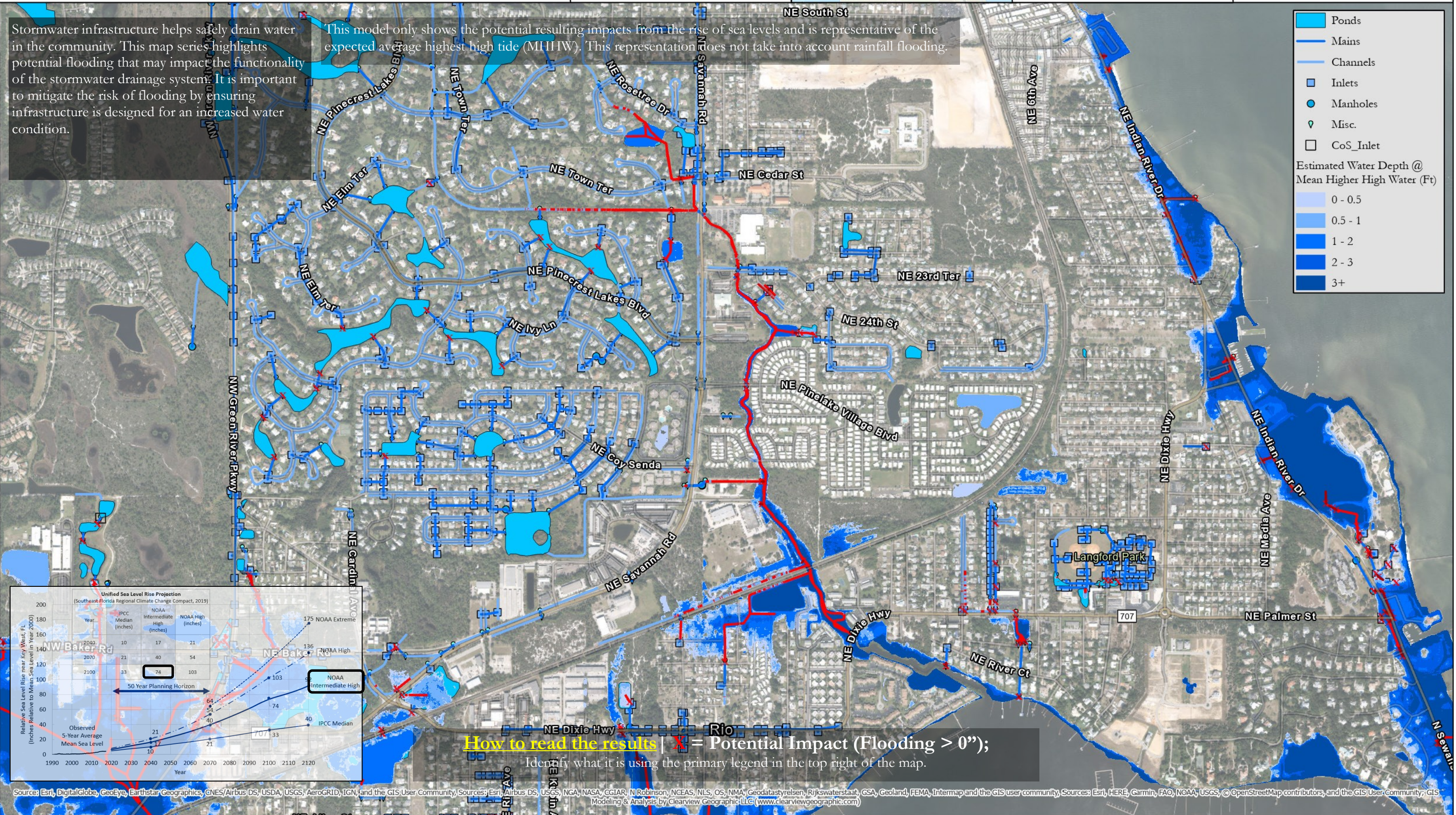
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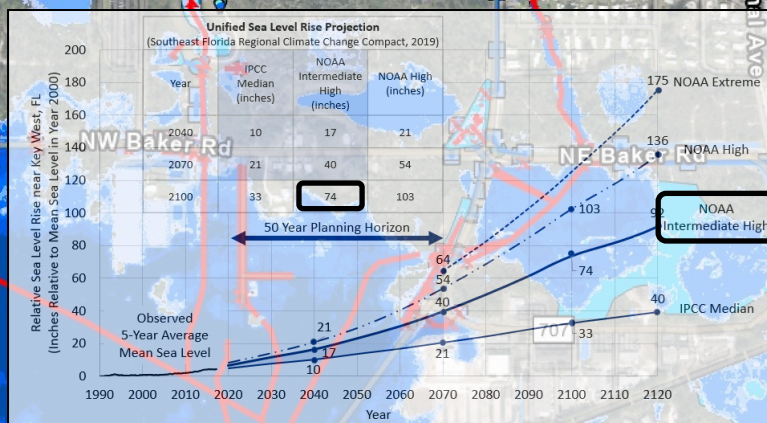


**Legend**

- Ponds
- Mains
- Channels
- Inlets
- Manholes
- ▼ Misc.
- CoS\_Inlet

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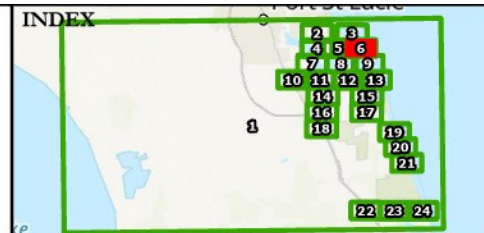
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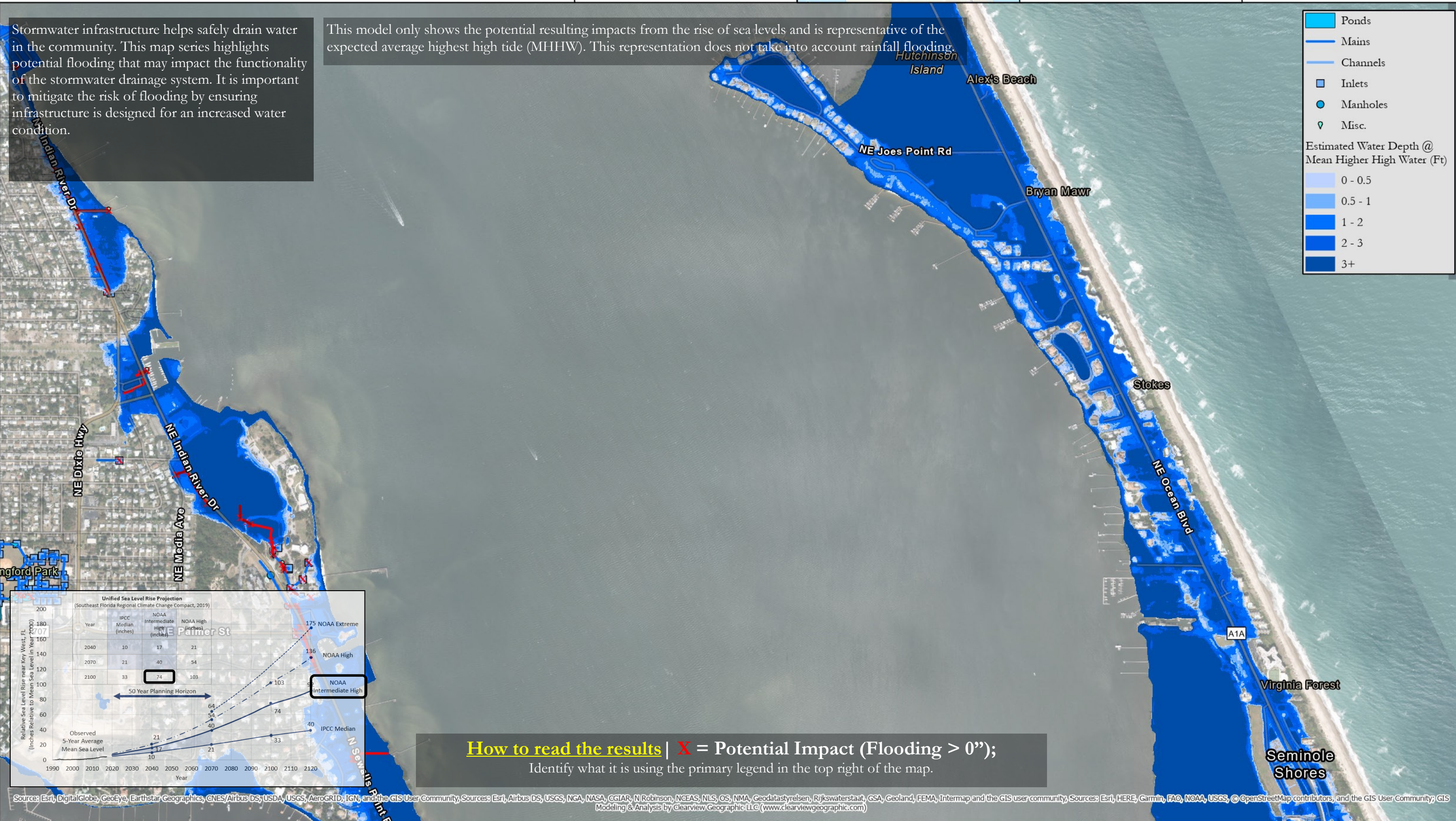
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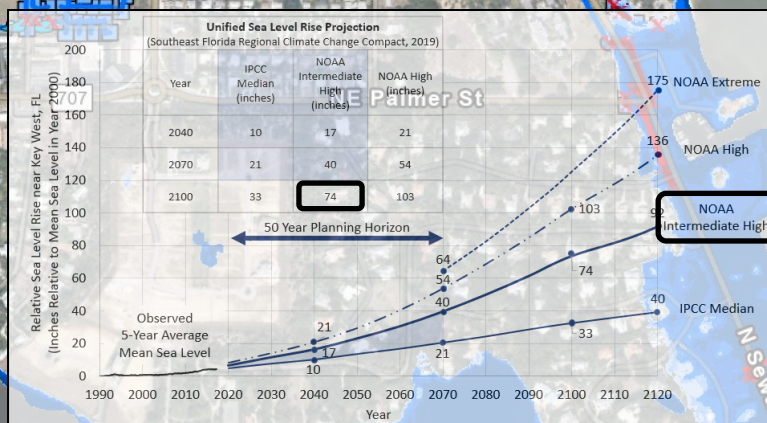


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## R1911 Resiliency Planning Grant

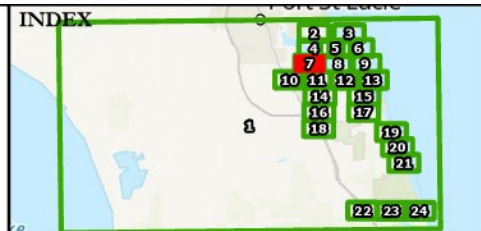
### Martin County, Florida



AClark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
 Year: 2100  
 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
 Page: 7 of 24



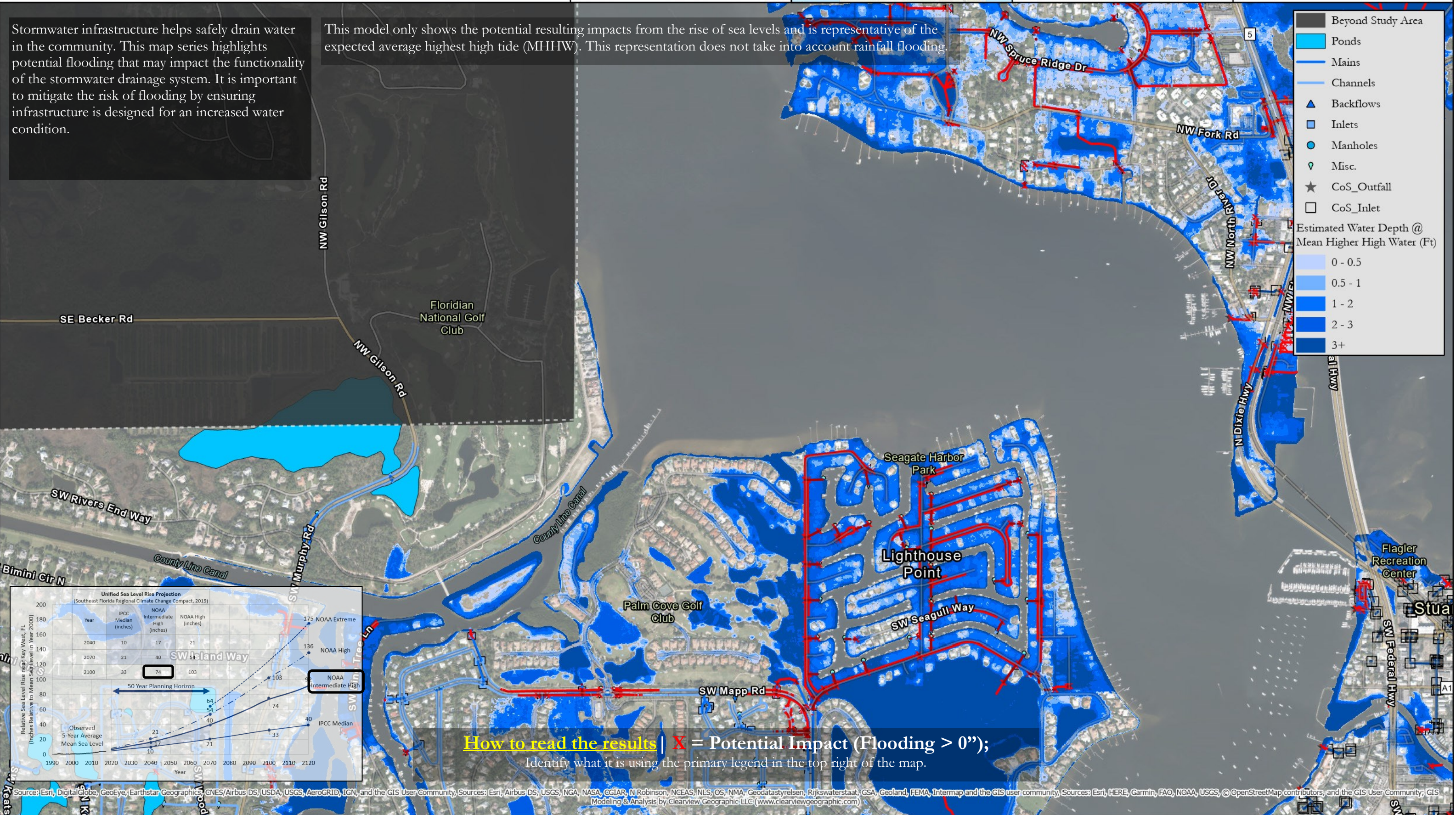
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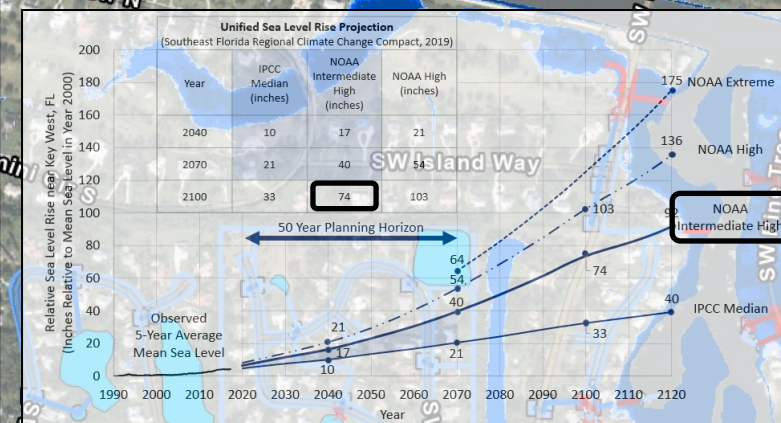


**Beyond Study Area**

- Ponds
- Mains
- Channels
- Backflows
- Inlets
- Manholes
- Misc.
- CoS\_Outfall
- CoS\_Inlet

Estimated Water Depth @ Mean Higher High Water (Ft)

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3+



**How to read the results | X = Potential Impact (Flooding > 0");**  
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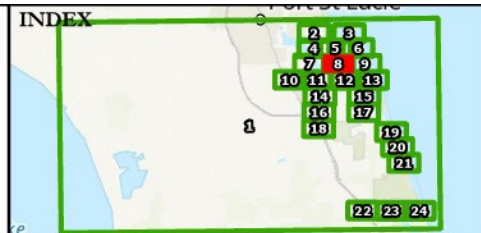
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AClark 06/09/2020 Z:/1836B



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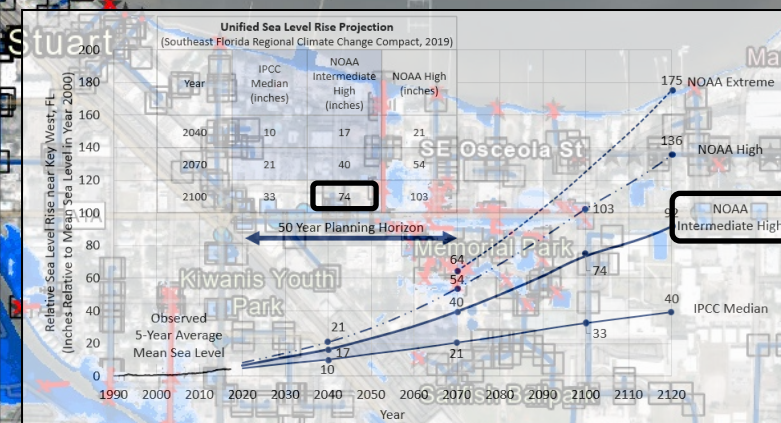
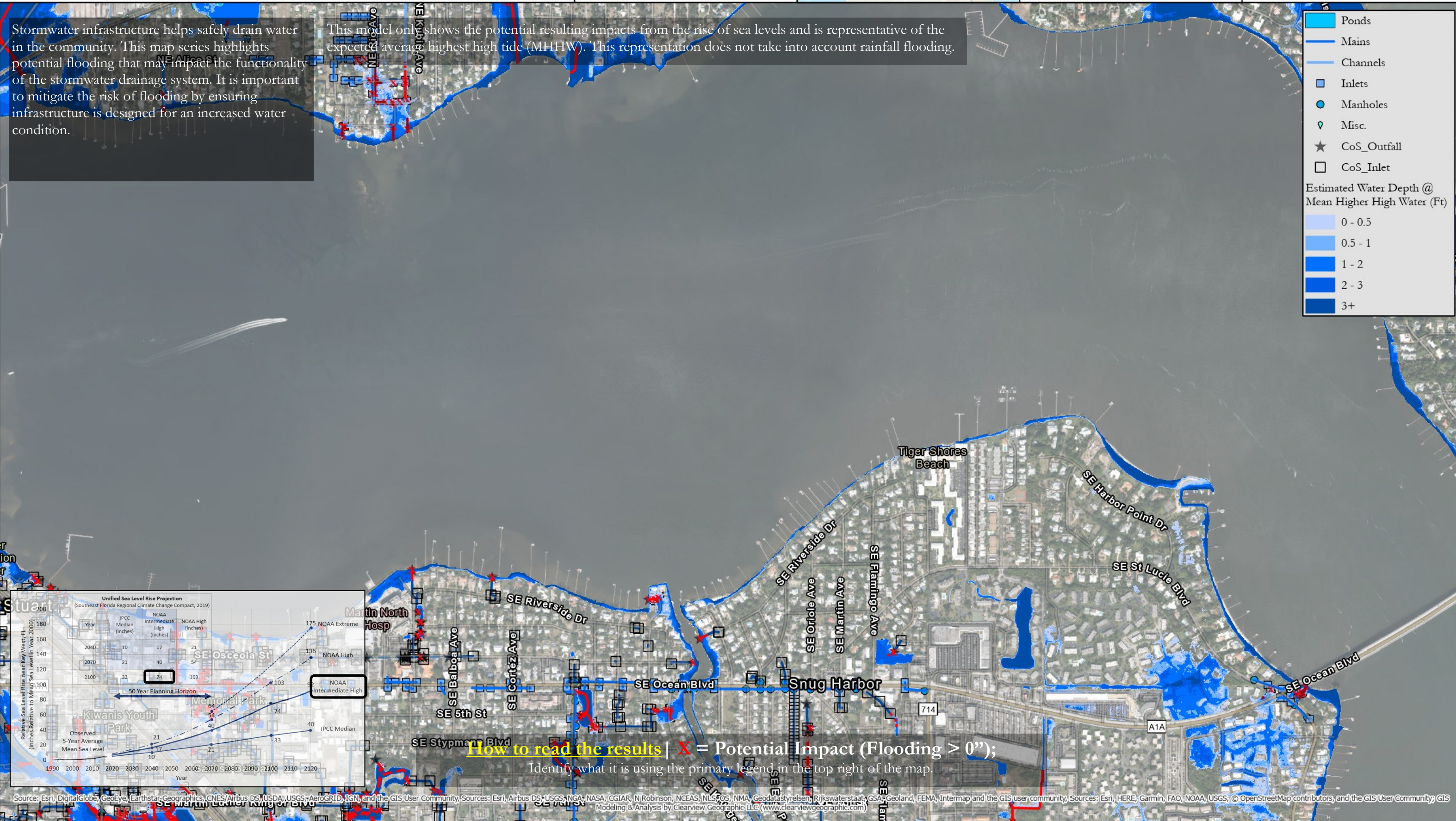
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**Legend**

- Ponds
- Mains
- Channels
- Inlets
- Manholes
- Misc.
- CoS\_Outfall
- CoS\_Inlet

**Estimated Water Depth @ Mean Higher High Water (Ft)**

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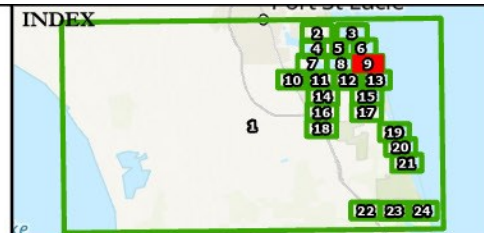
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AClark 06/09/2020 Z:/1836B



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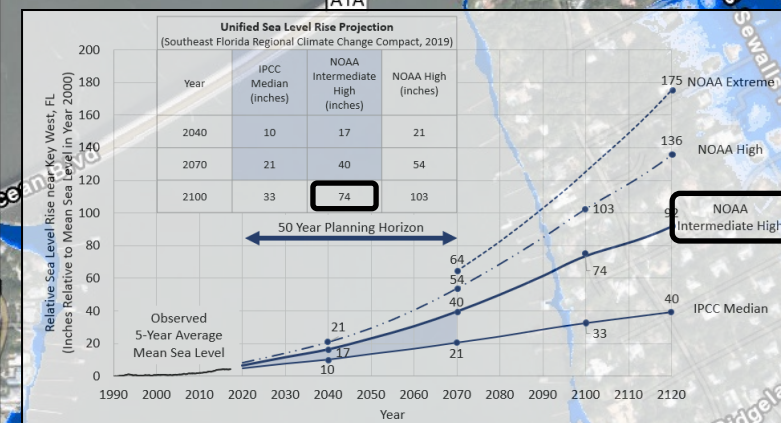
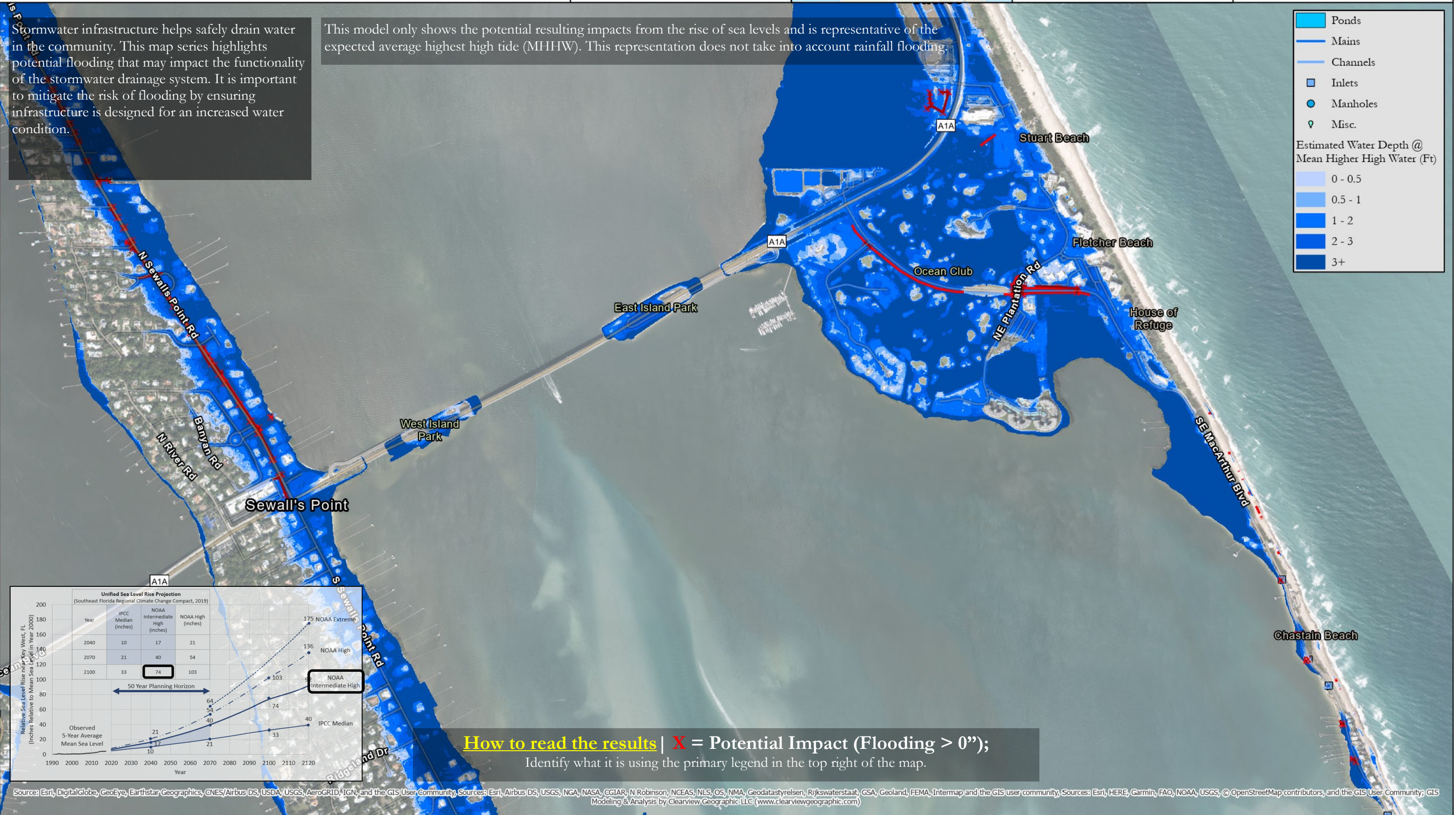
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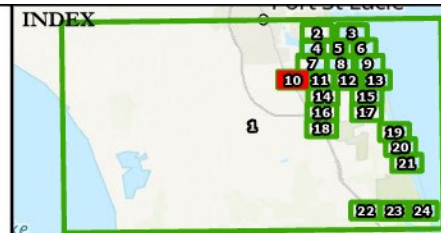
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AClark 06/09/2020 Z:/1836B



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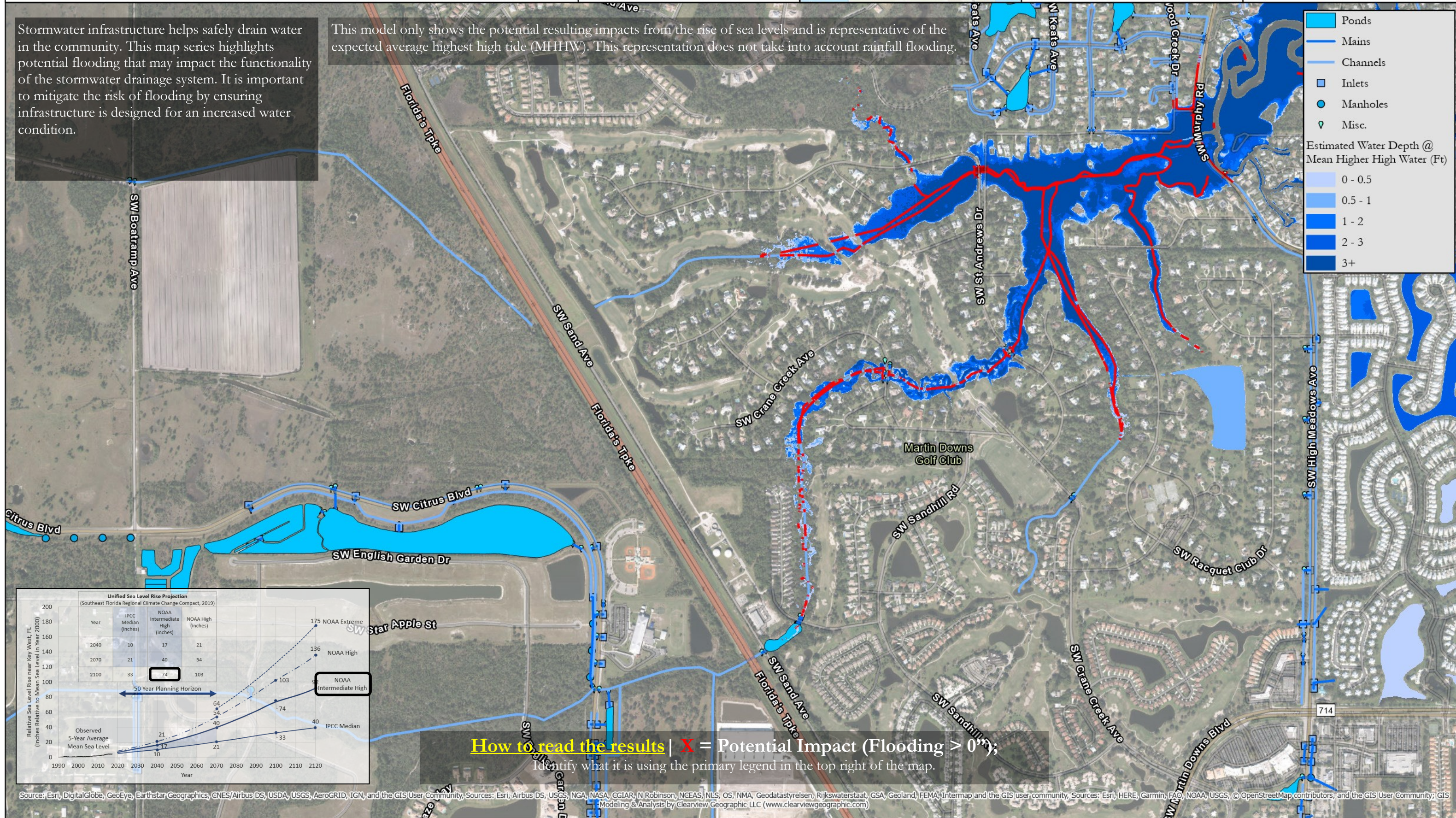
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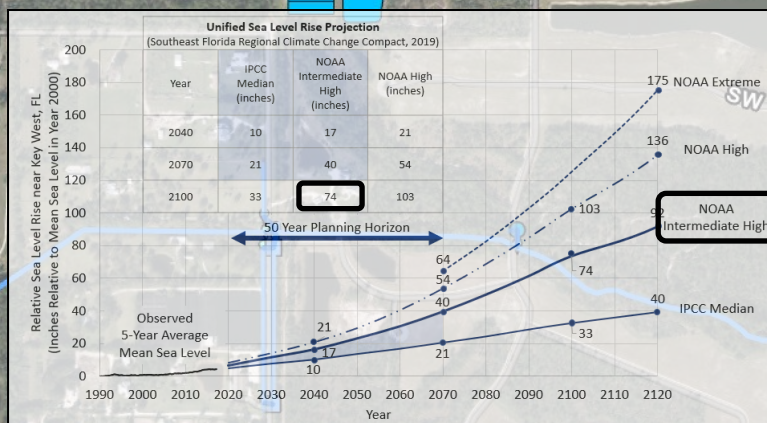
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- Ponds
- Mains
- Channels
- Inlets
- Manholes
- Misc.

Estimated Water Depth @ Mean Higher High Water (Ft)

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3+



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# Stormwater Vulnerability

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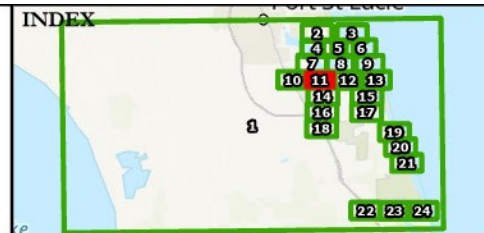
### Martin County, Florida



AClark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
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 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
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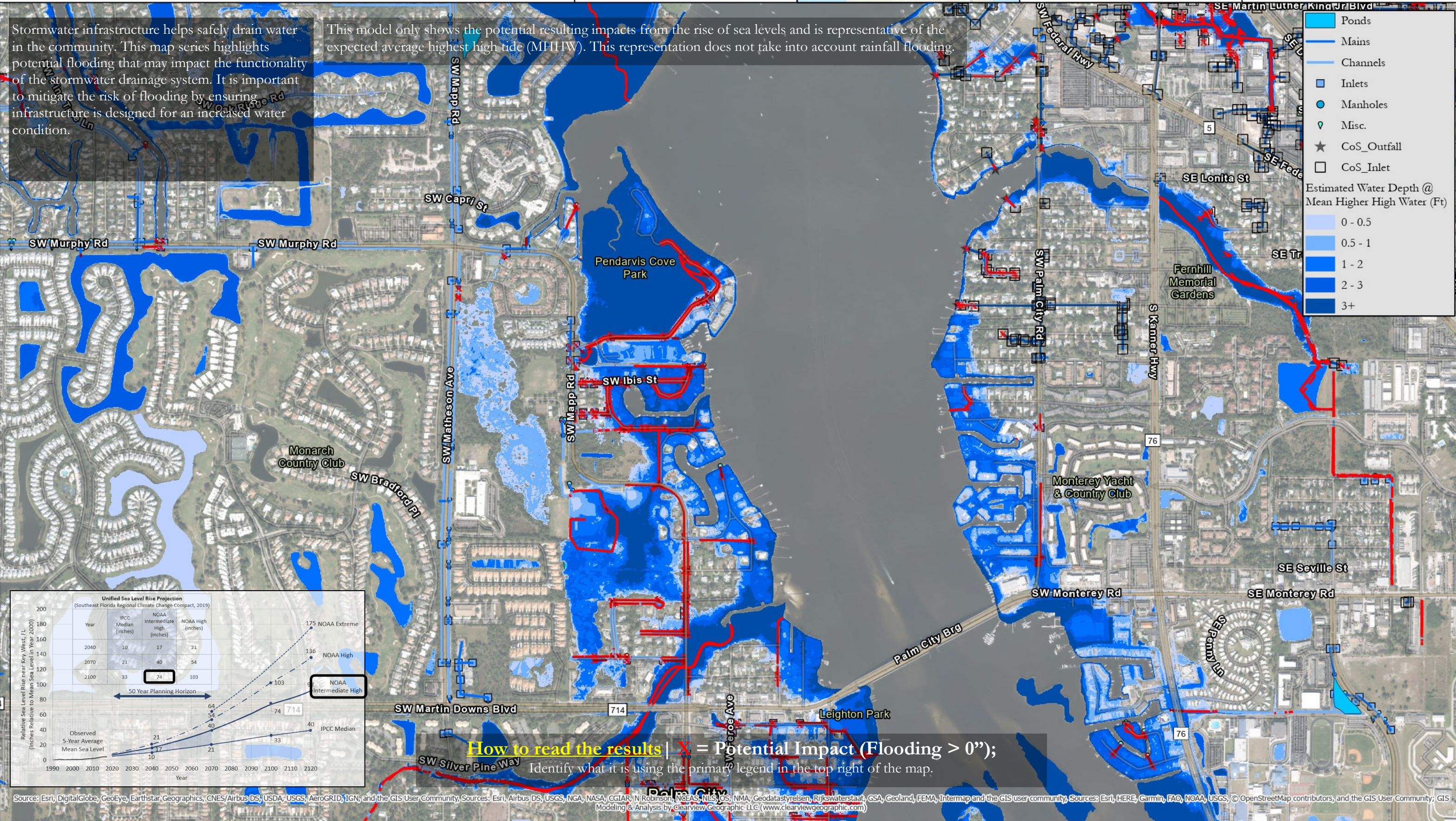
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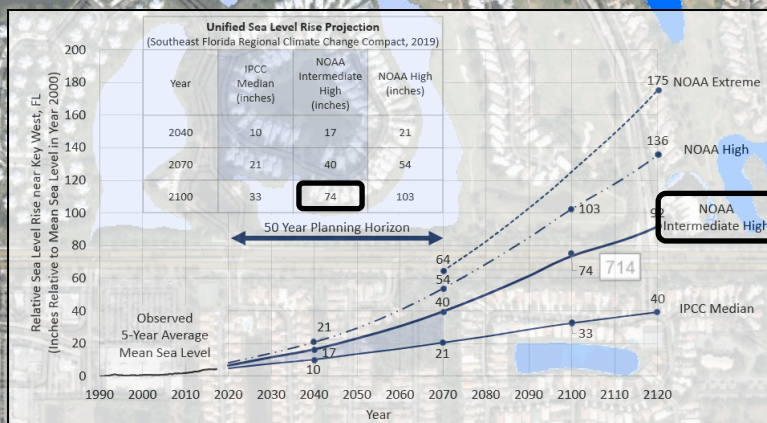


**Legend**

- Ponds
- Mains
- Channels
- Inlets
- Manholes
- ▼ Misc.
- ★ CoS\_Outfall
- CoS\_Inlet

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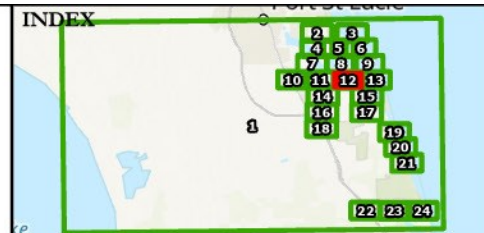
## R1911 Resiliency Planning Grant

### Martin County, Florida

0 500 1,000 2,000 Feet

North Arrow  
A:Clark 06/09/2020 Z:/1836B

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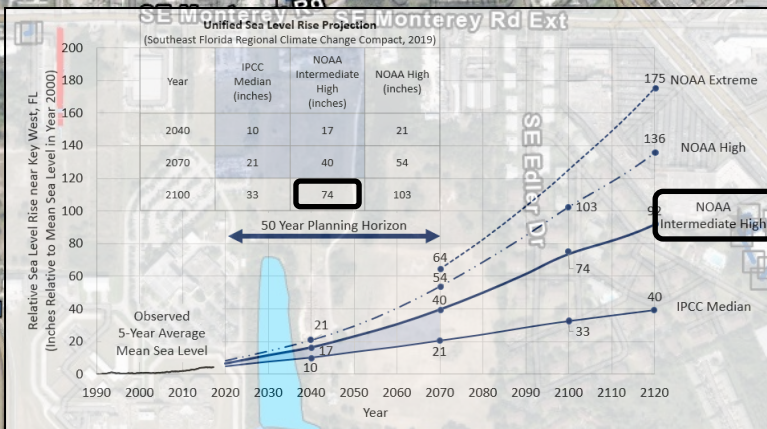


**Legend**

- Ponds
- Mains
- Channels
- Inlets
- Manholes
- Misc.
- CoS\_Outfall
- CoS\_Inlet

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# Stormwater Vulnerability

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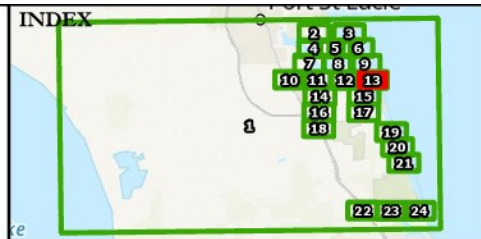
### Martin County, Florida



AClark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
 Year: 2100  
 Water Rise (Inches): Approx. 74  
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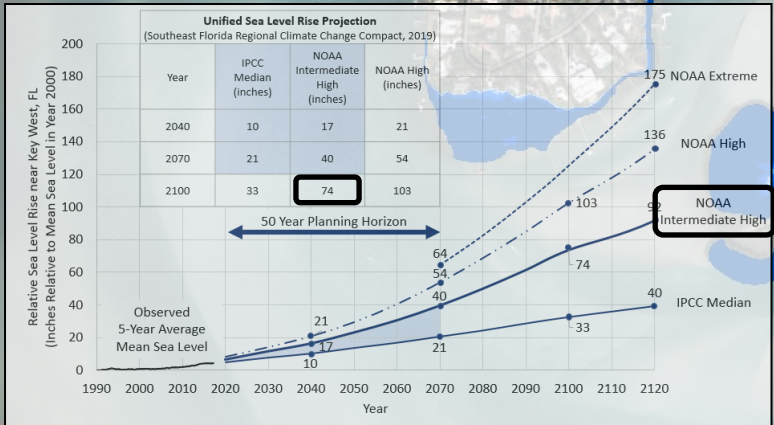


**Legend**

- Mains
- Channels
- Inlets
- Misc.

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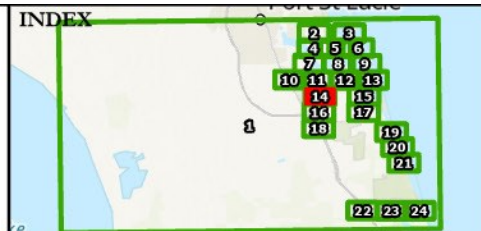
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AClark 06/09/2020 Z:/1836B



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 Water Rise (Inches): Approx. 74  
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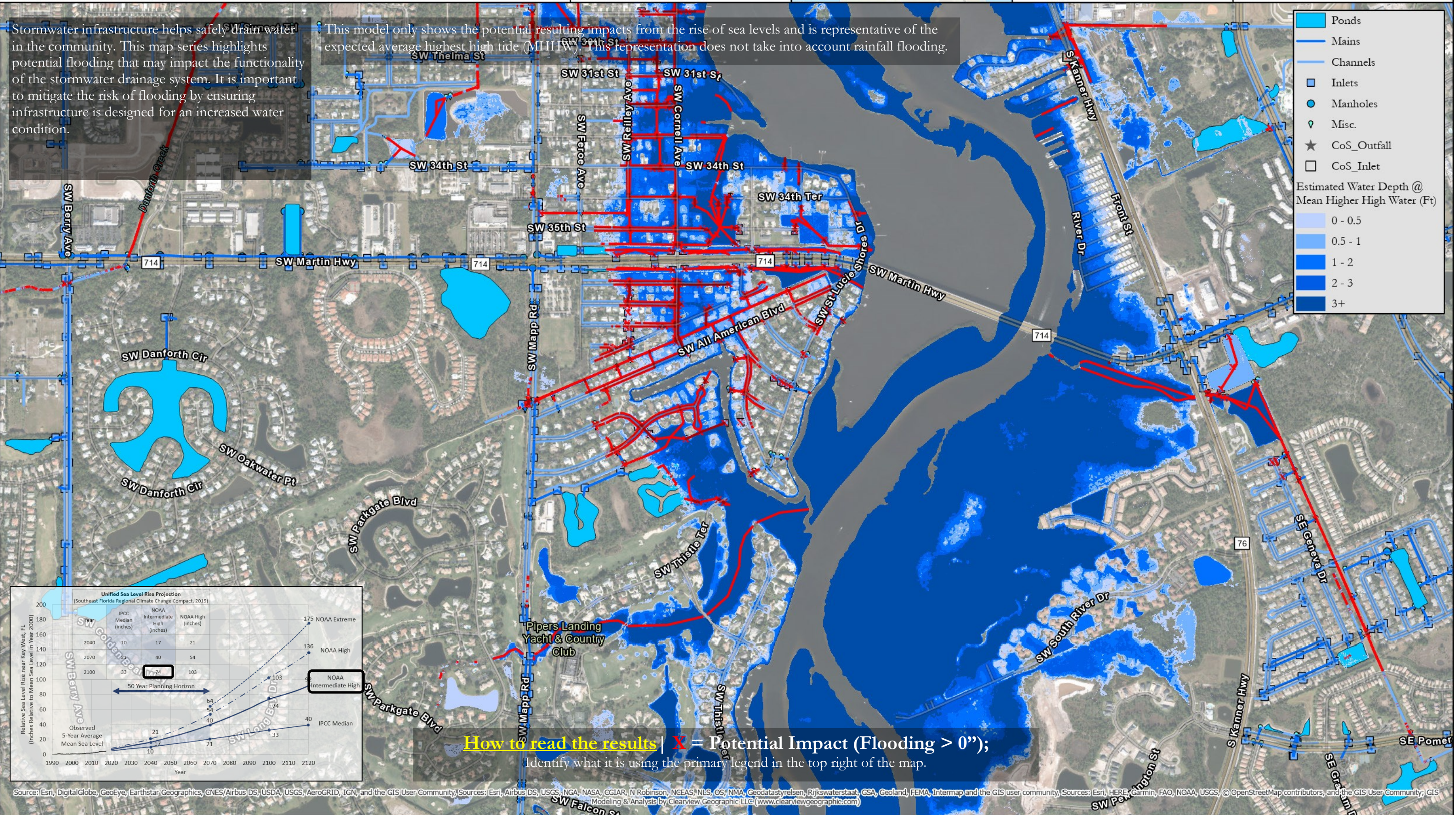
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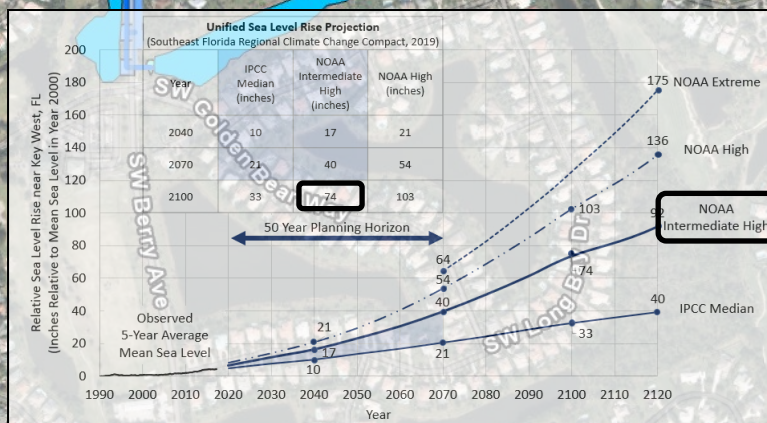
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- Ponds
- Mains
- Channels
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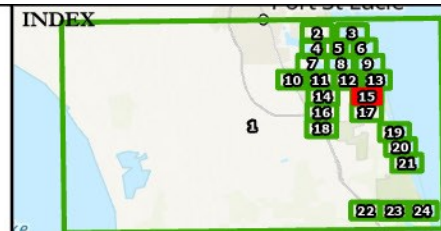
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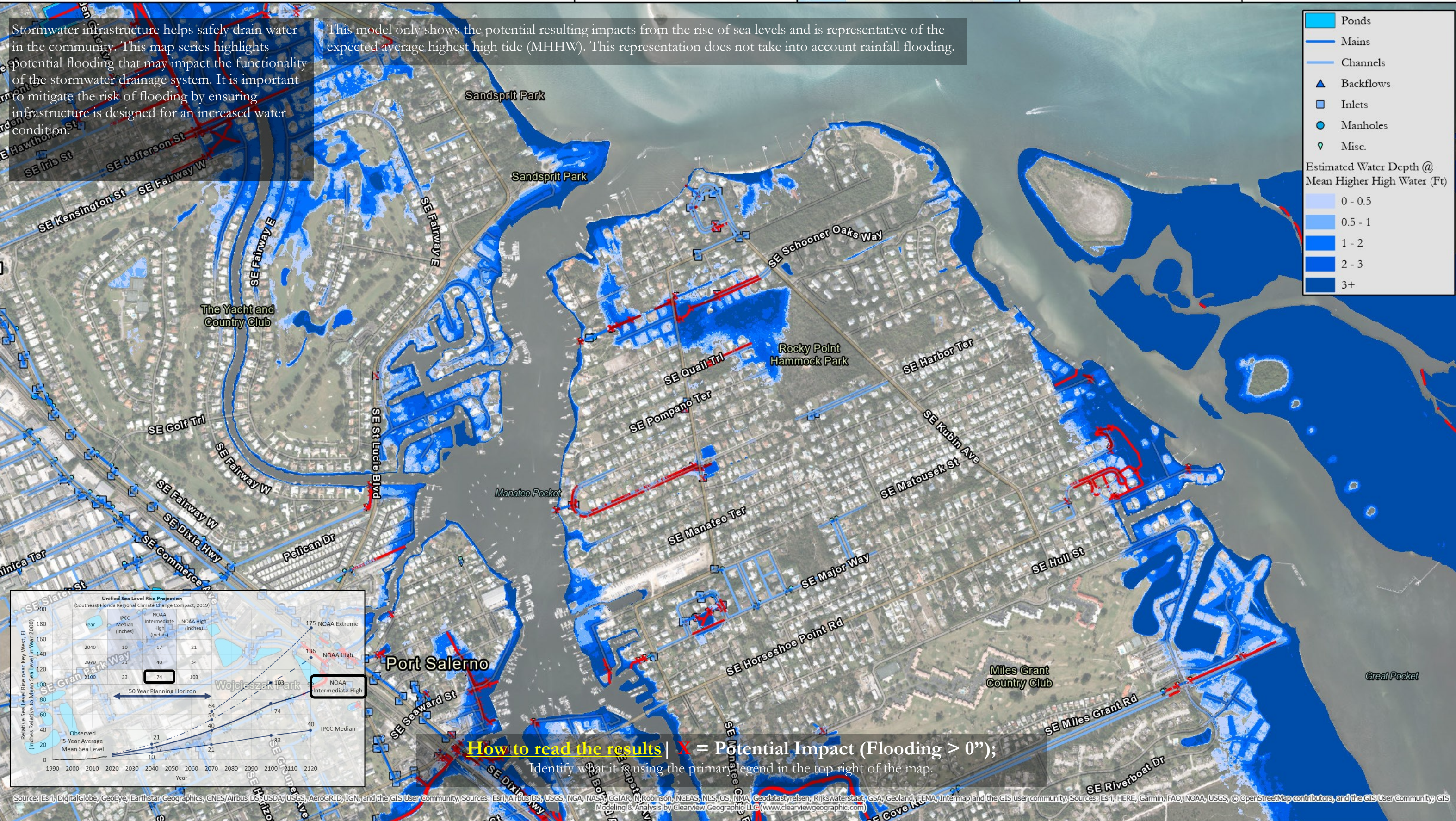
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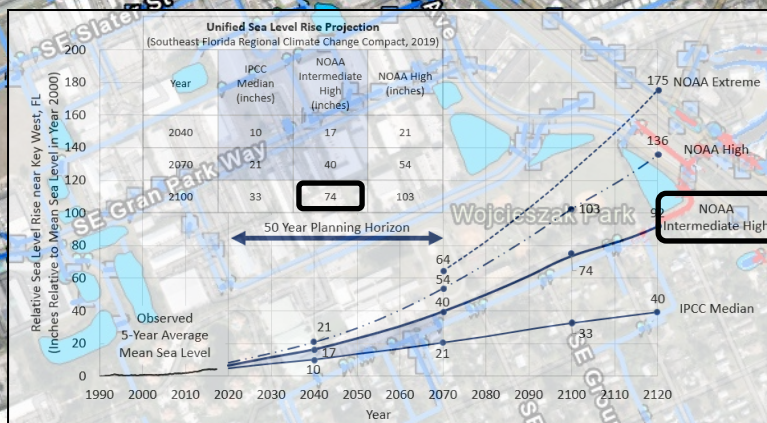


**Legend**

- Ponds
- Mains
- Channels
- ▲ Backflows
- Inlets
- Manholes
- ◆ Misc.

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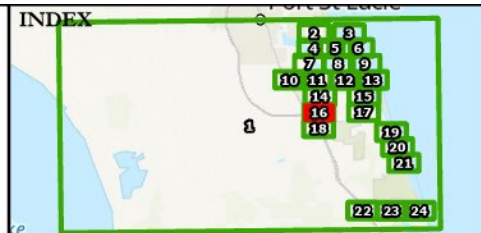
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A Clark 06/09/2020 Z:/1836B



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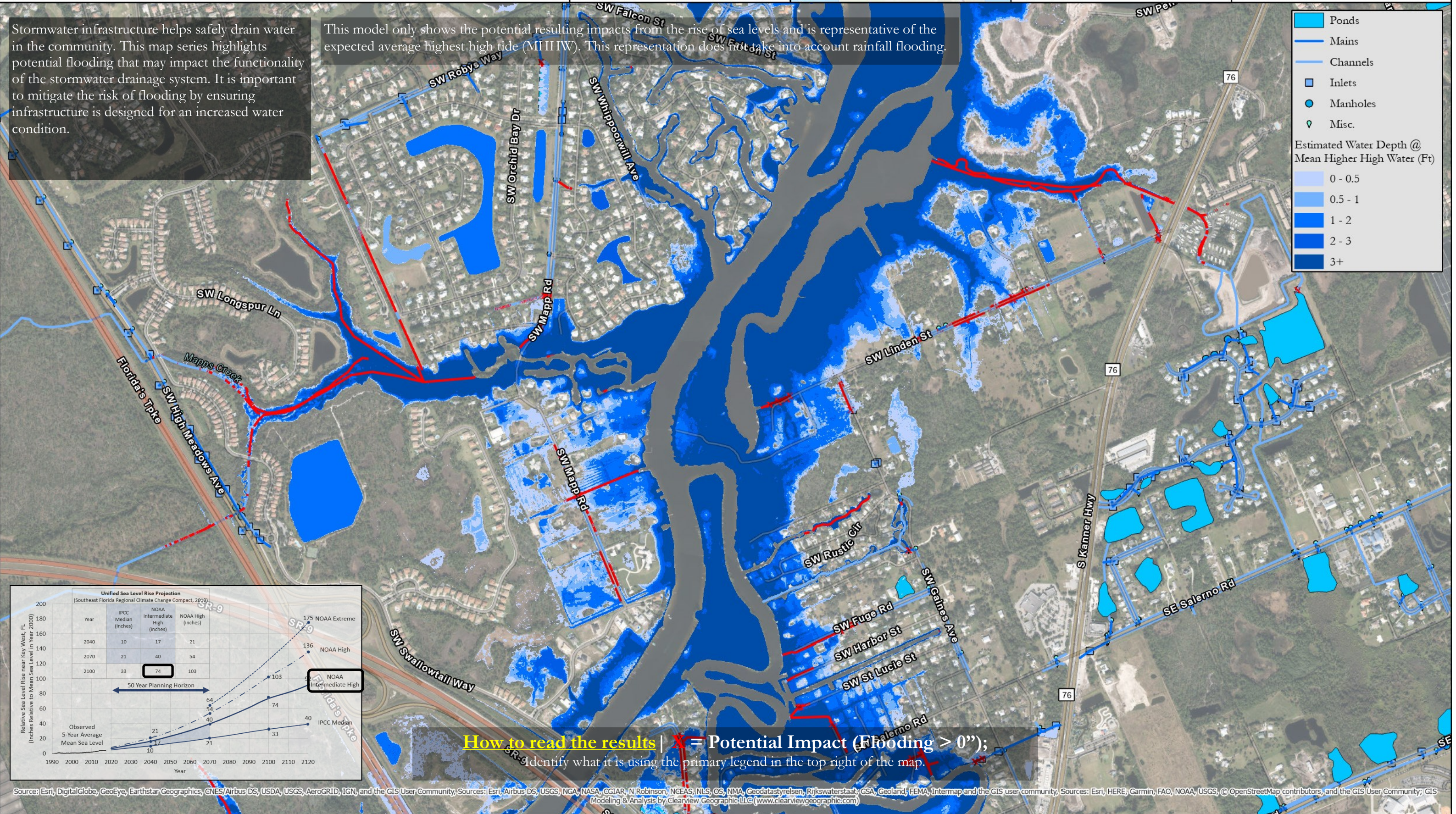
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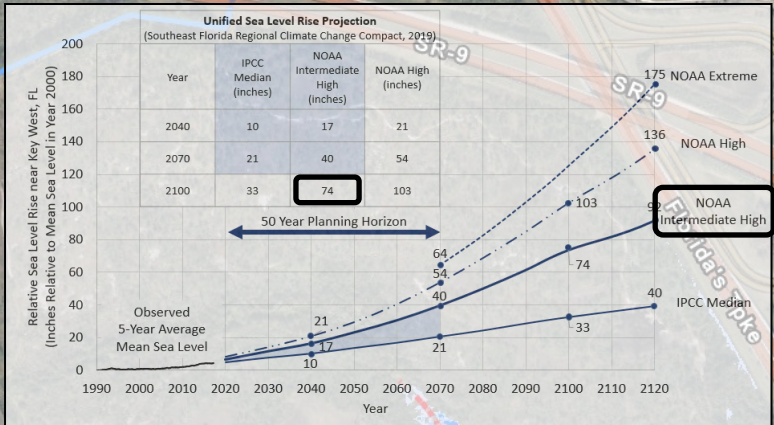


**Legend**

- Ponds
- Mains
- Channels
- Inlets
- Manholes
- Misc.

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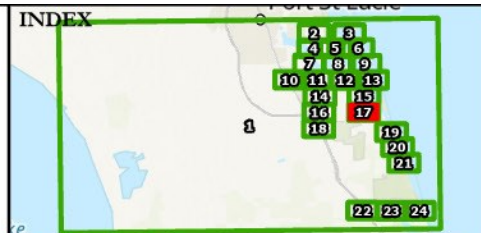
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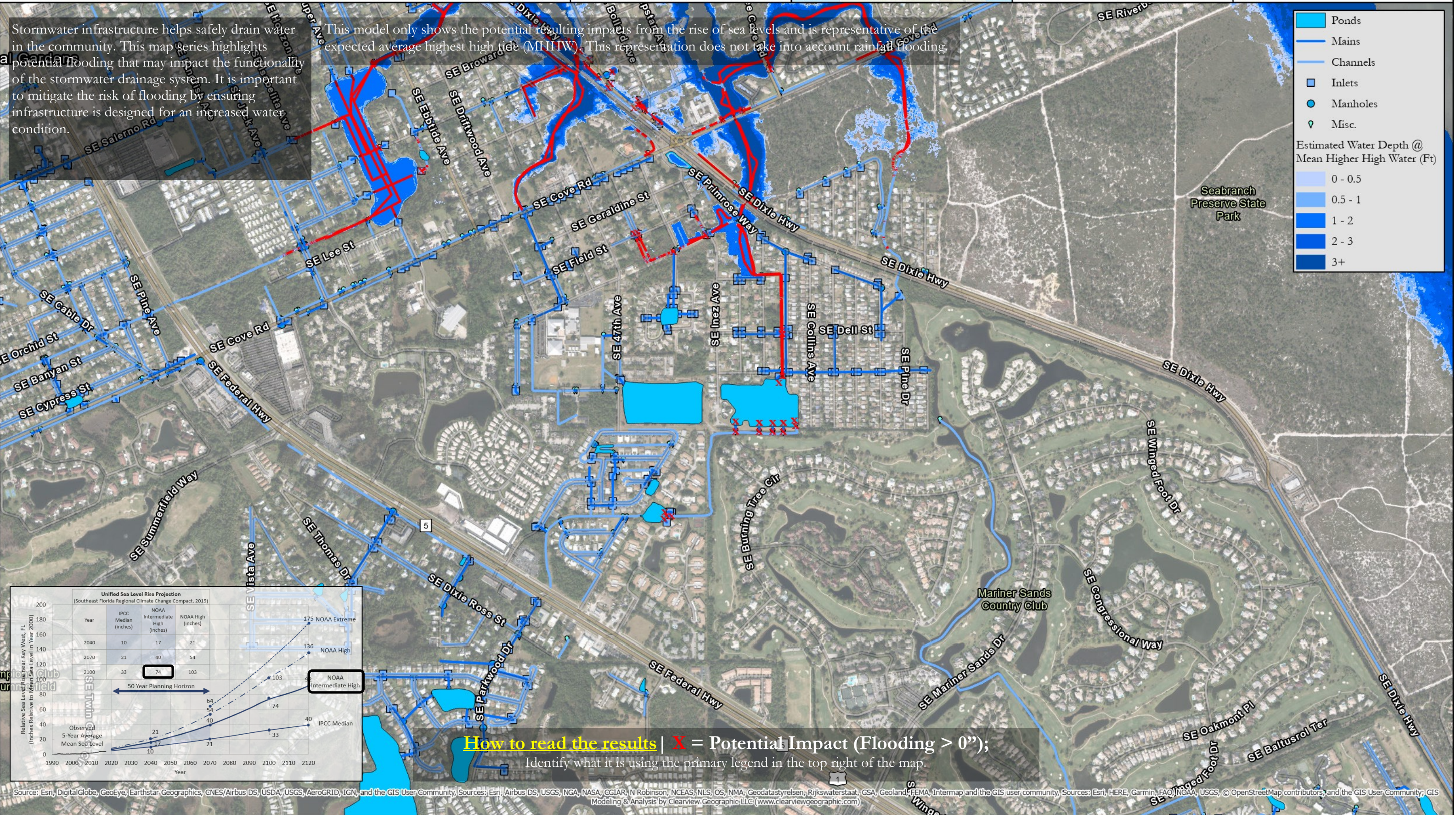
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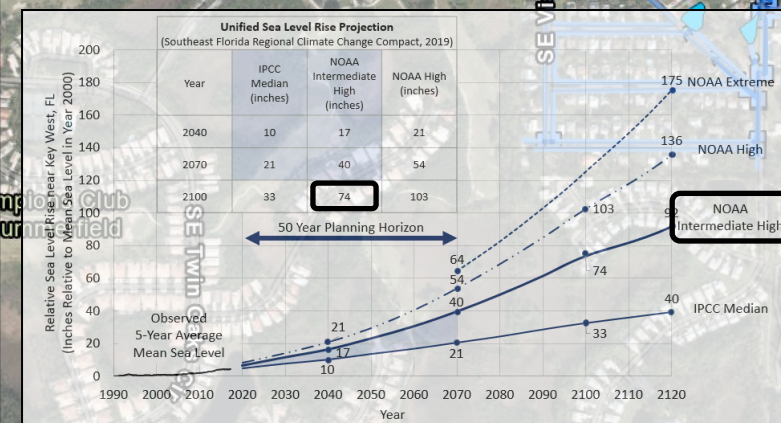
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- Ponds
- Mains
- Channels
- Inlets
- Manholes
- Misc.

Estimated Water Depth @ Mean Higher High Water (Ft)

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 3
- 3+



**How to read the results** | X = Potential Impact (Flooding > 0");  
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# Stormwater Vulnerability

## R1911 Resiliency Planning Grant

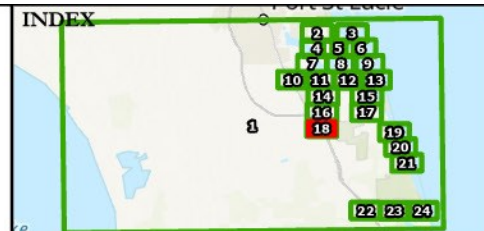
### Martin County, Florida



Clark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
 Year: 2100  
 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
 Page: 18 of 24



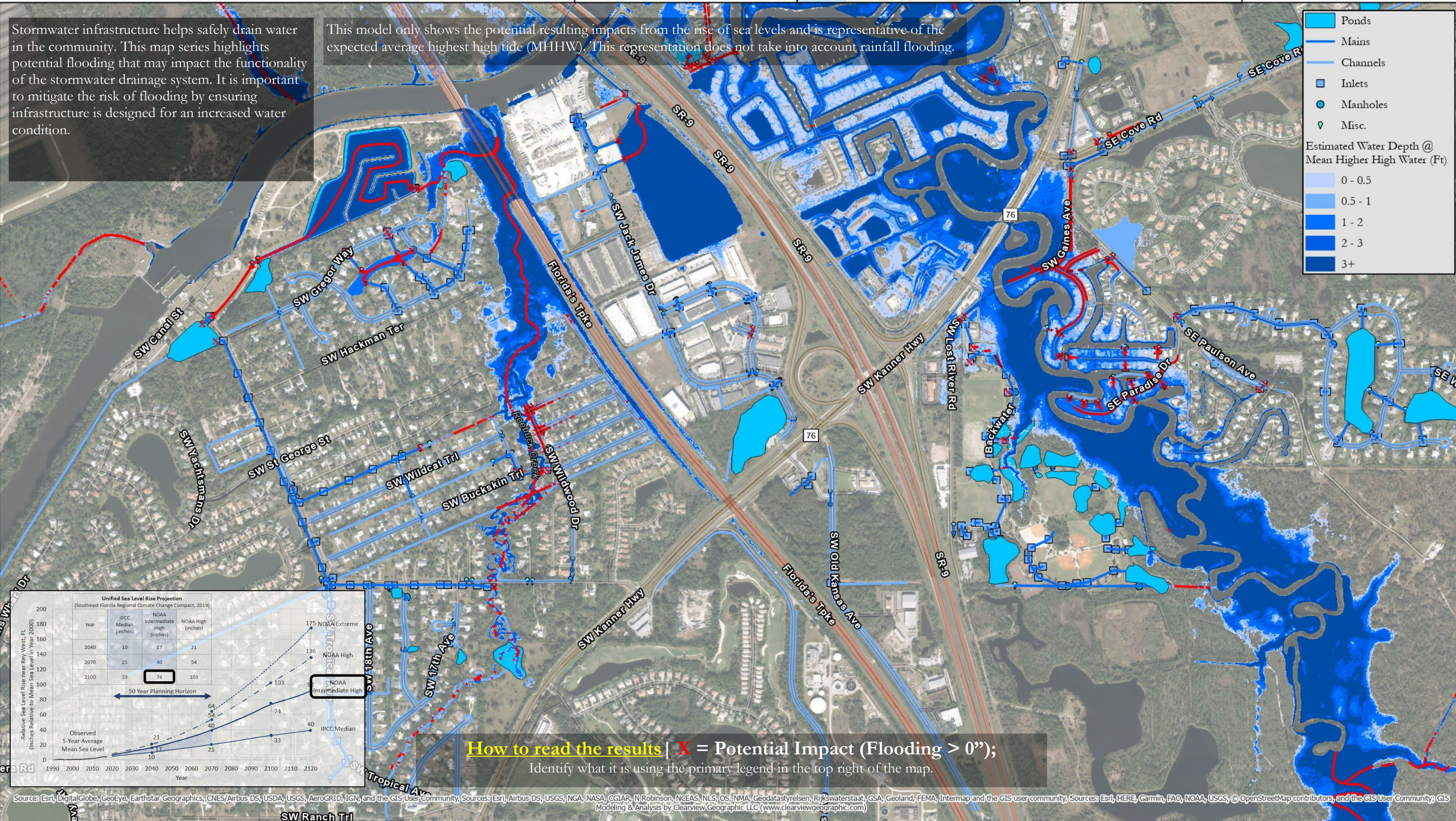
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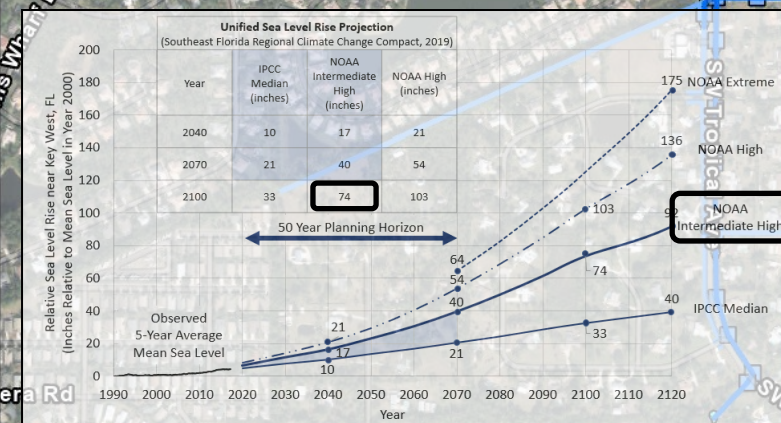


**Legend**

- Ponds
- Mains
- Channels
- Inlets
- Manholes
- Misc.

**Estimated Water Depth @ Mean Higher High Water (Ft)**

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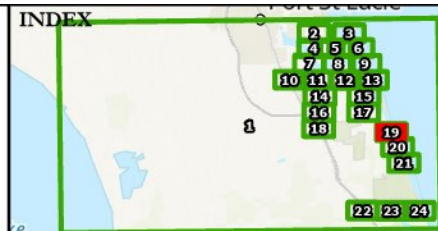
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AClark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
 Year: 2100  
 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
 Page: 19 of 24



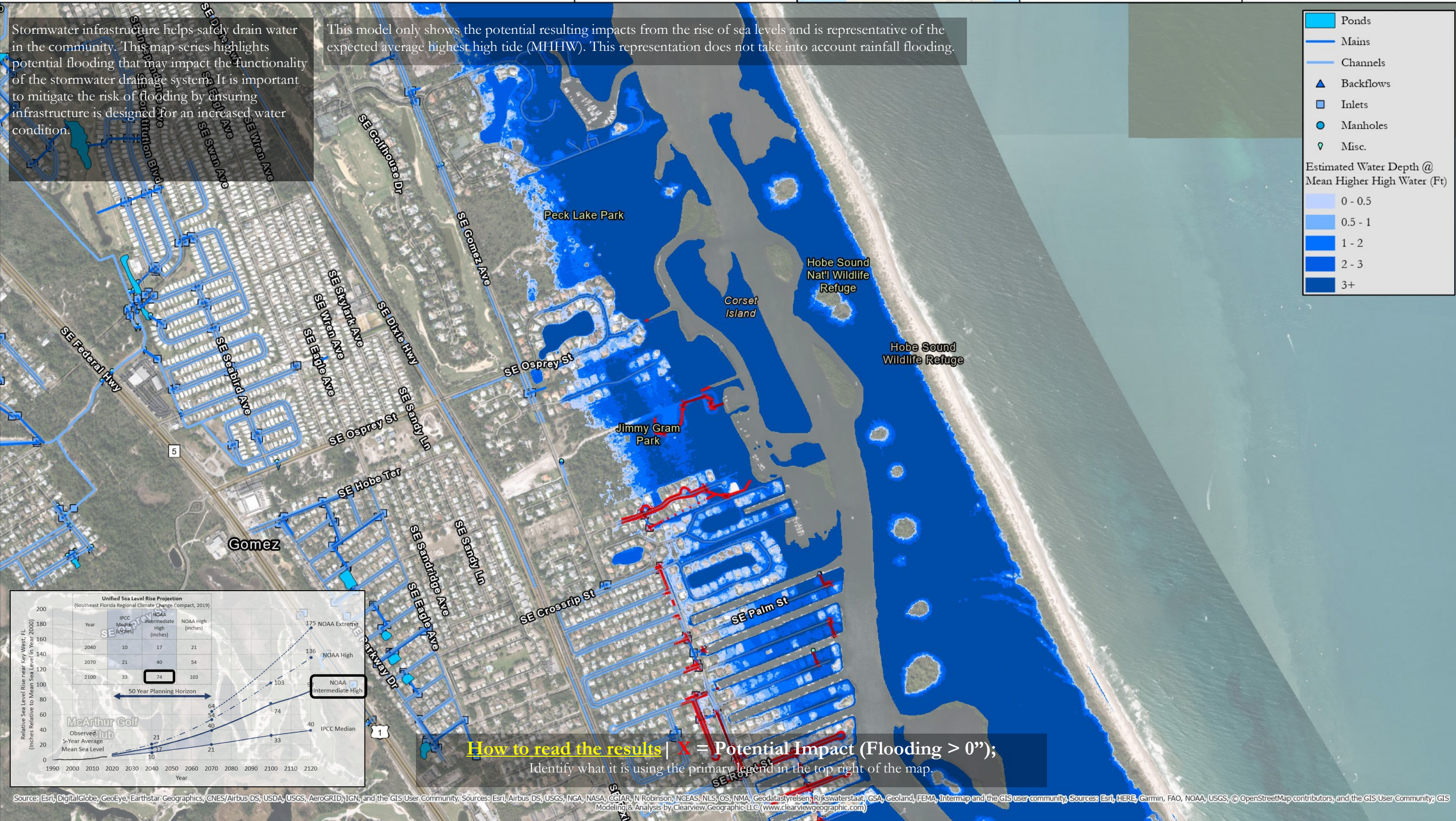
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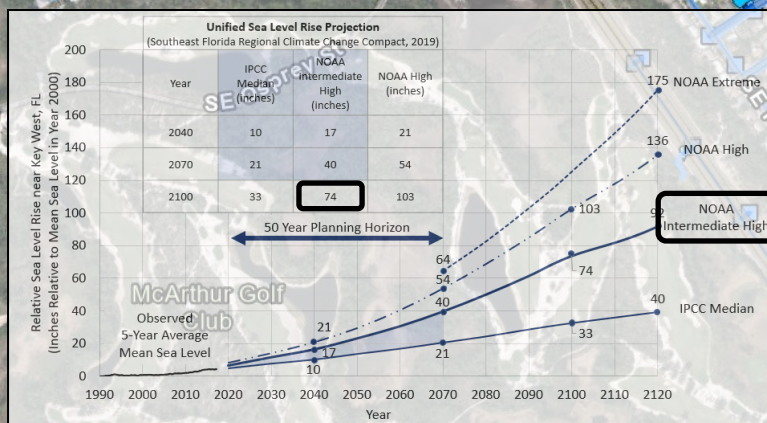


**Legend**

- Ponds
- Mains
- Channels
- ▲ Backflows
- Inlets
- Manholes
- ▼ Misc.

**Estimated Water Depth @ Mean Higher High Water (Ft)**

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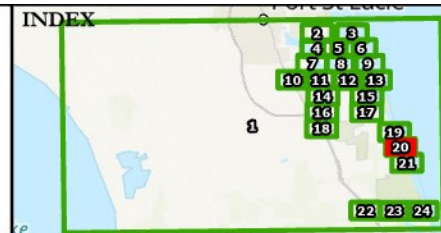
### Martin County, Florida



Clark 06/09/2020 Z:/1836B



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 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
 Page: 20 of 24



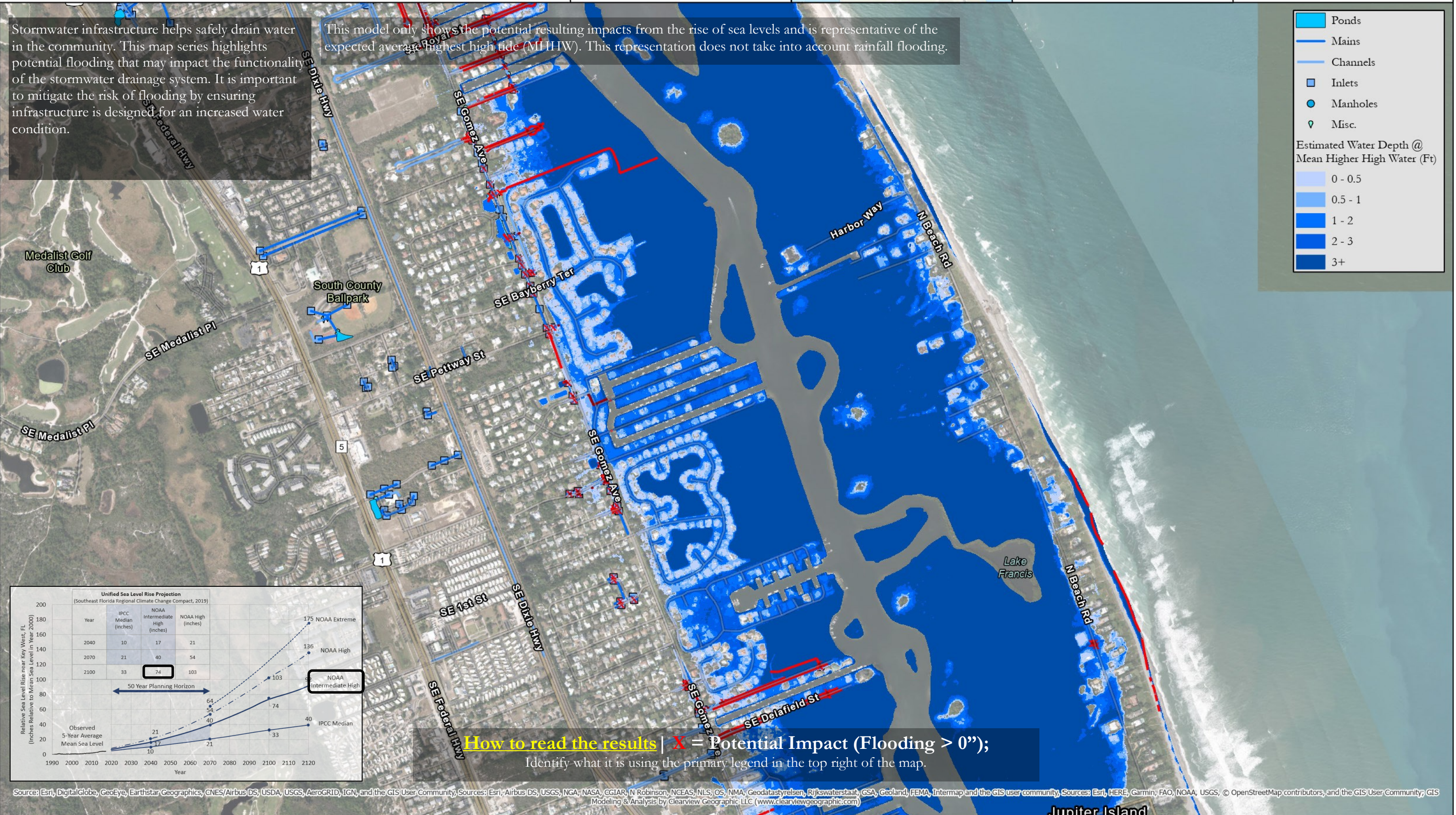
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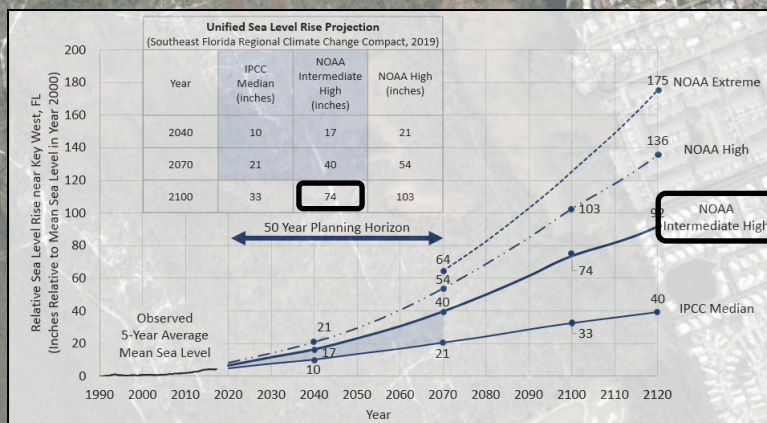


**Legend**

- Ponds
- Mains
- Channels
- Inlets
- Manholes
- ▽ Misc.

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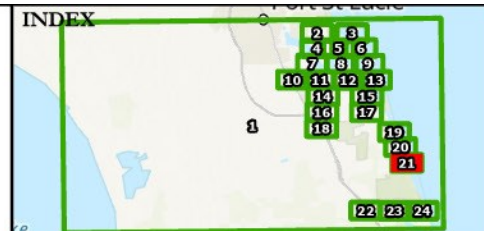
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AClark 06/09/2020 Z:/1836B



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 Water Rise (Inches): Approx. 74  
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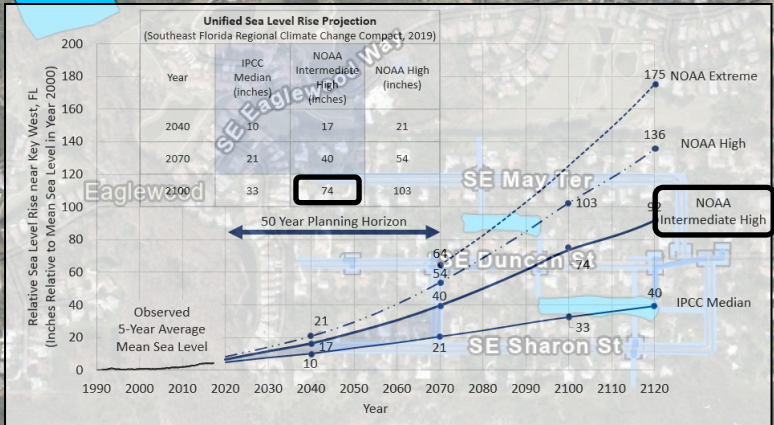
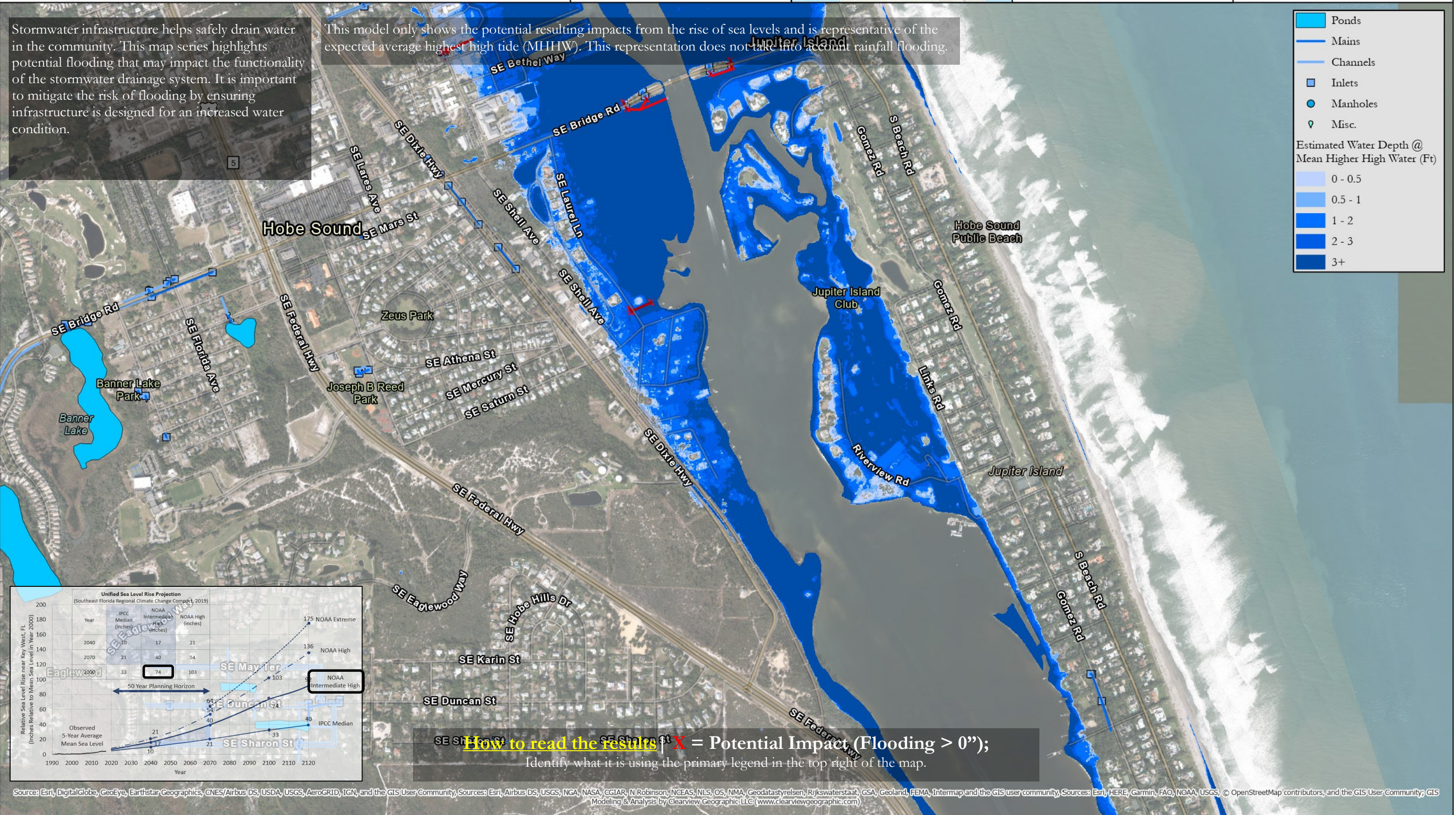
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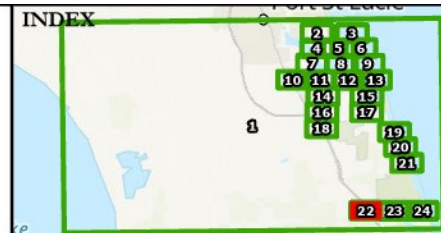
### Martin County, Florida



Clark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
 Year: 2100  
 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
 Page: 22 of 24



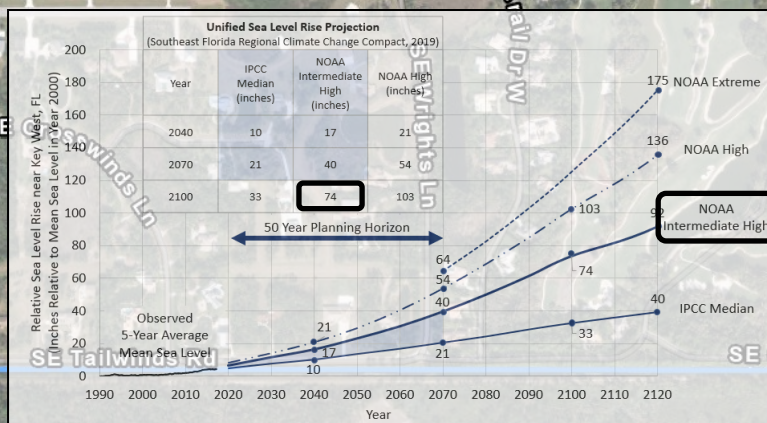
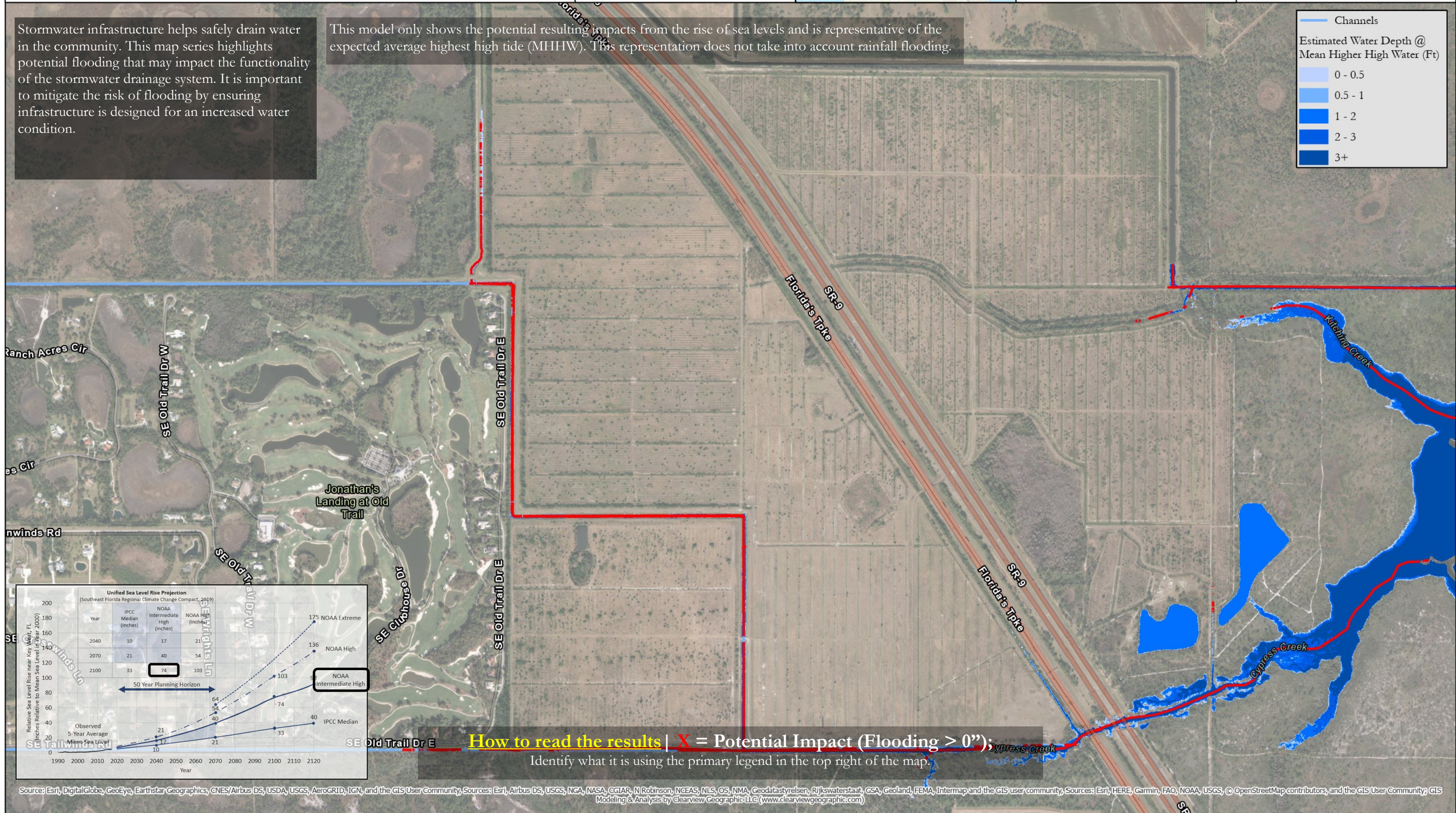
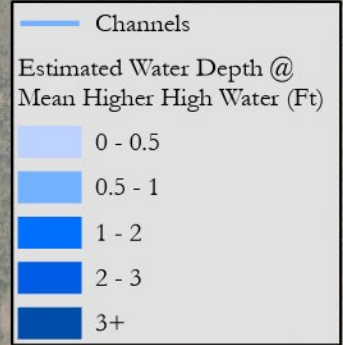
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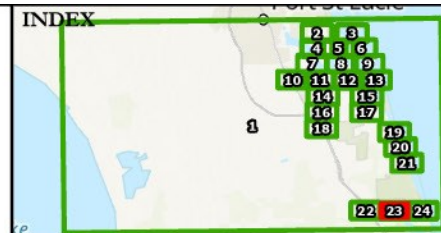
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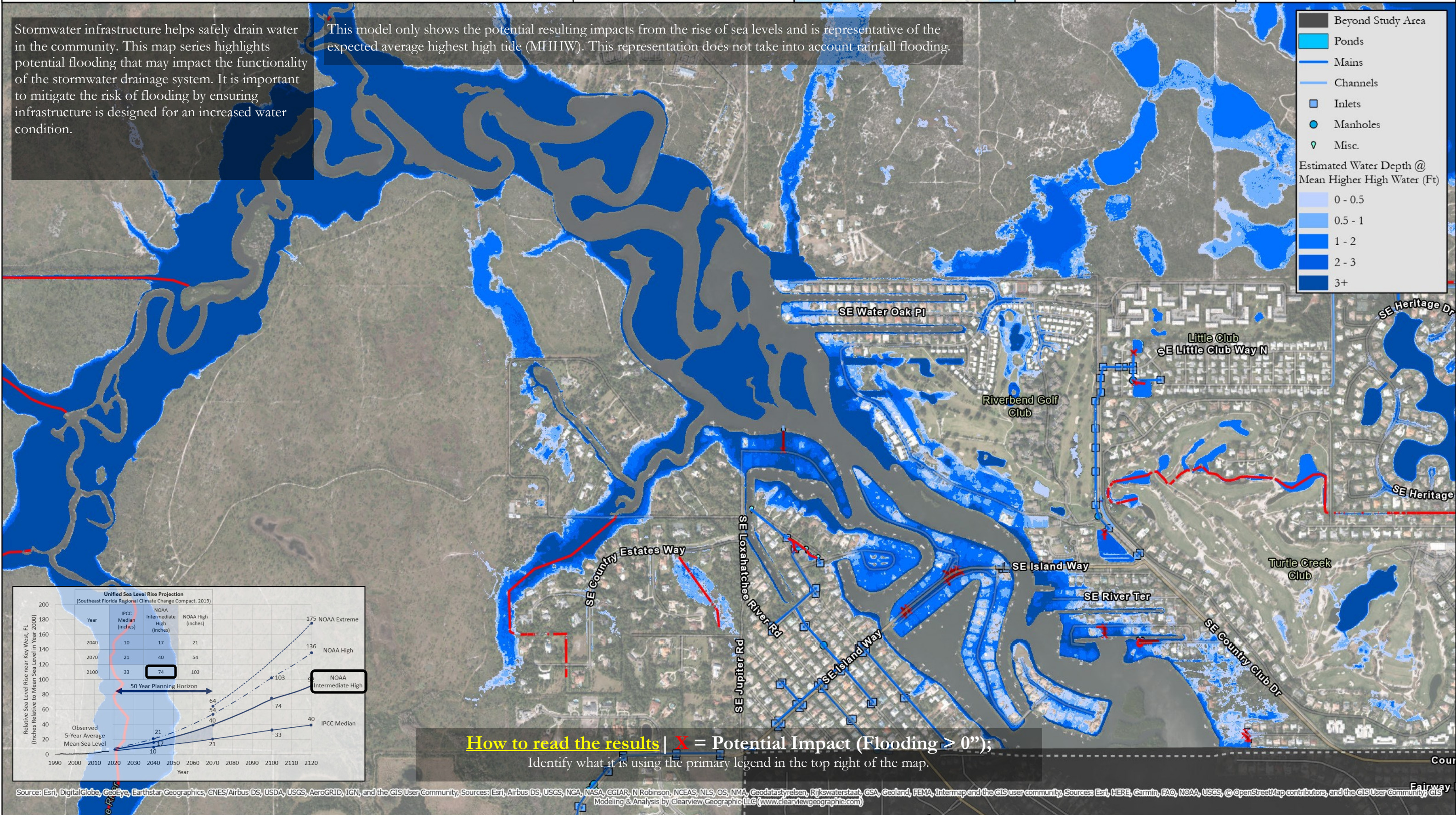
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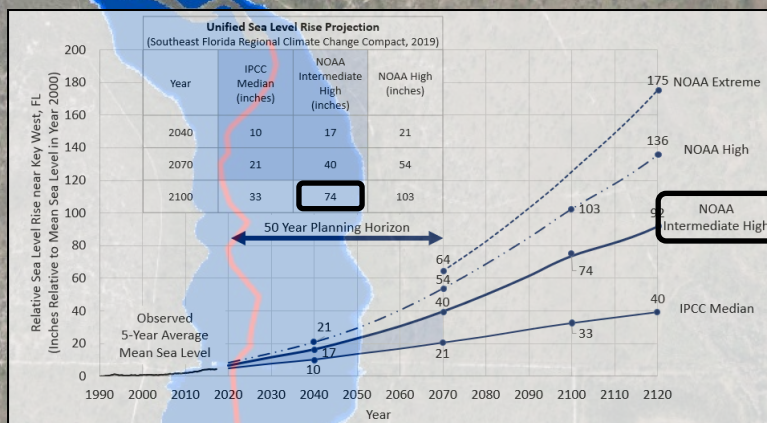


**Beyond Study Area**

- Ponds
- Mains
- Channels
- Inlets
- Manholes
- Misc.

**Estimated Water Depth @ Mean Higher High Water (Ft)**

- 0 - 0.5
- 0.5 - 1
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- 3+



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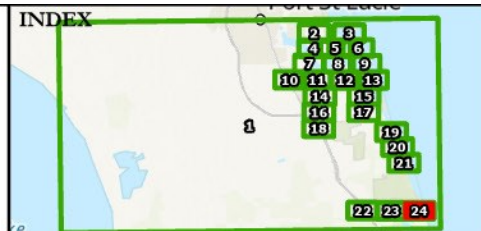
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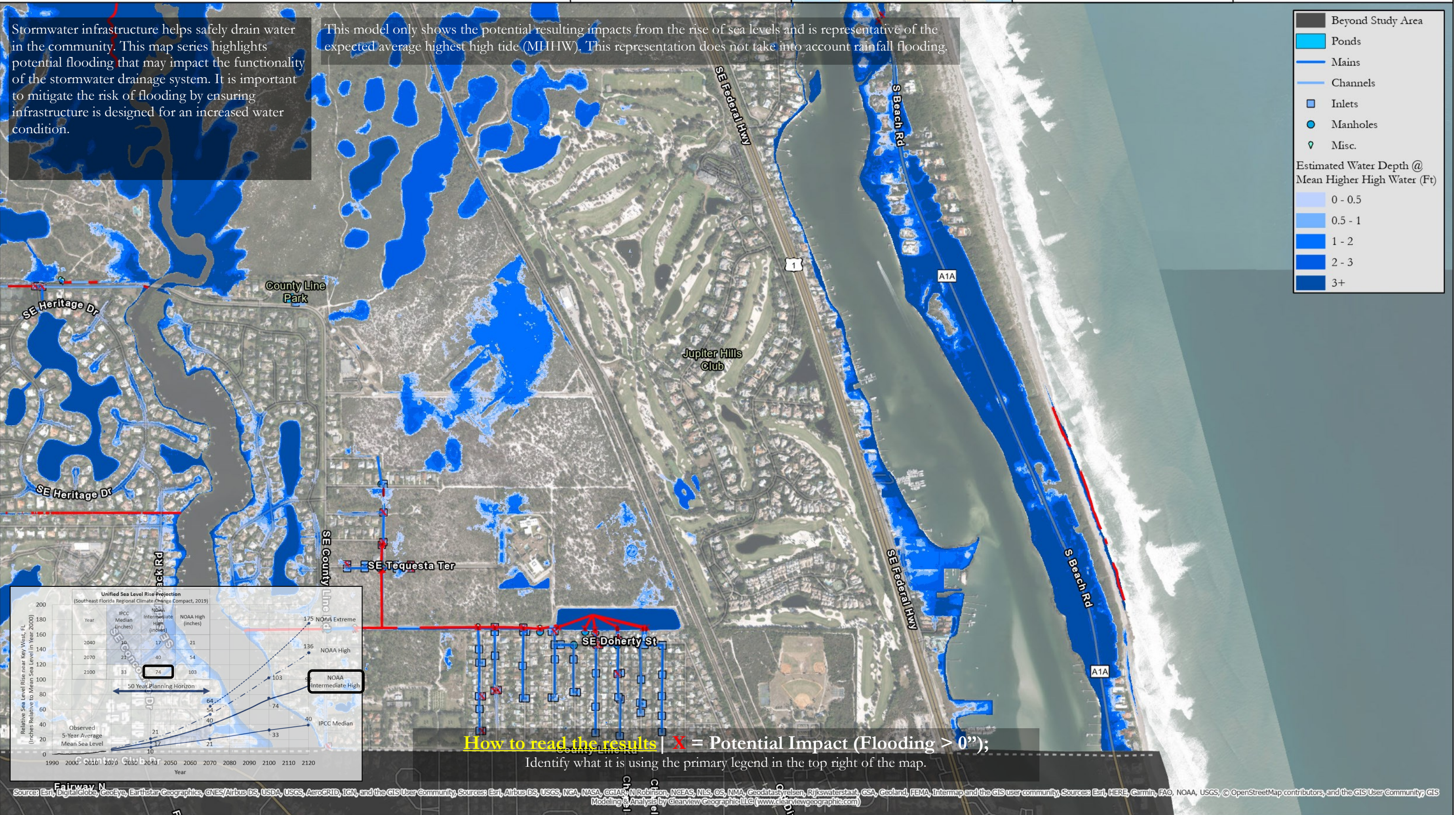
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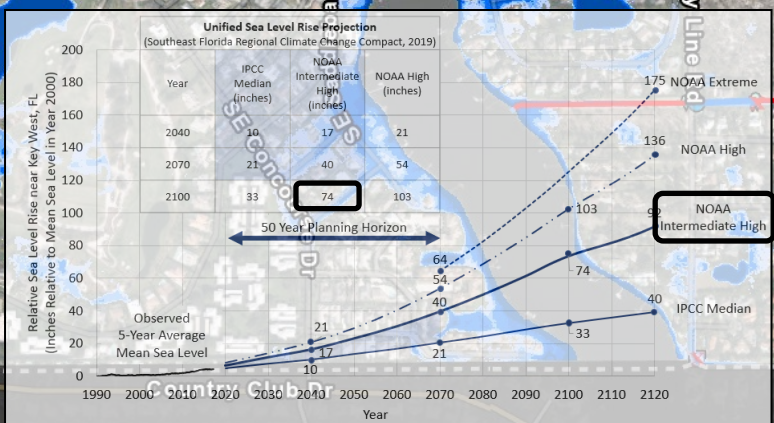


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# Critical Infrastructure Vulnerability

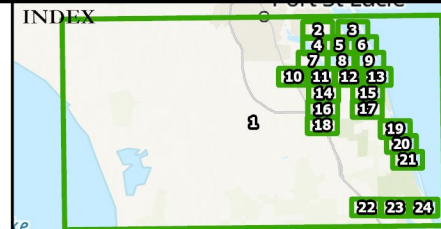
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Martin County, Florida



AClark 06/09/2020 Z:/1836B



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Water Rise (Inches): Approx. 74  
Scenario: MHHW  
Page: 1 of 24



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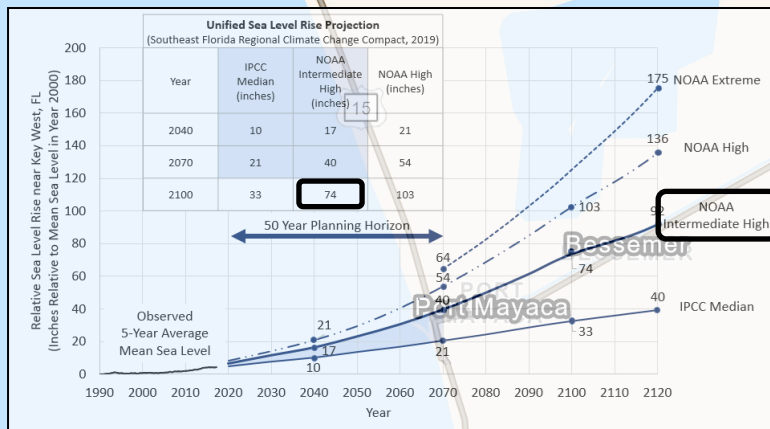
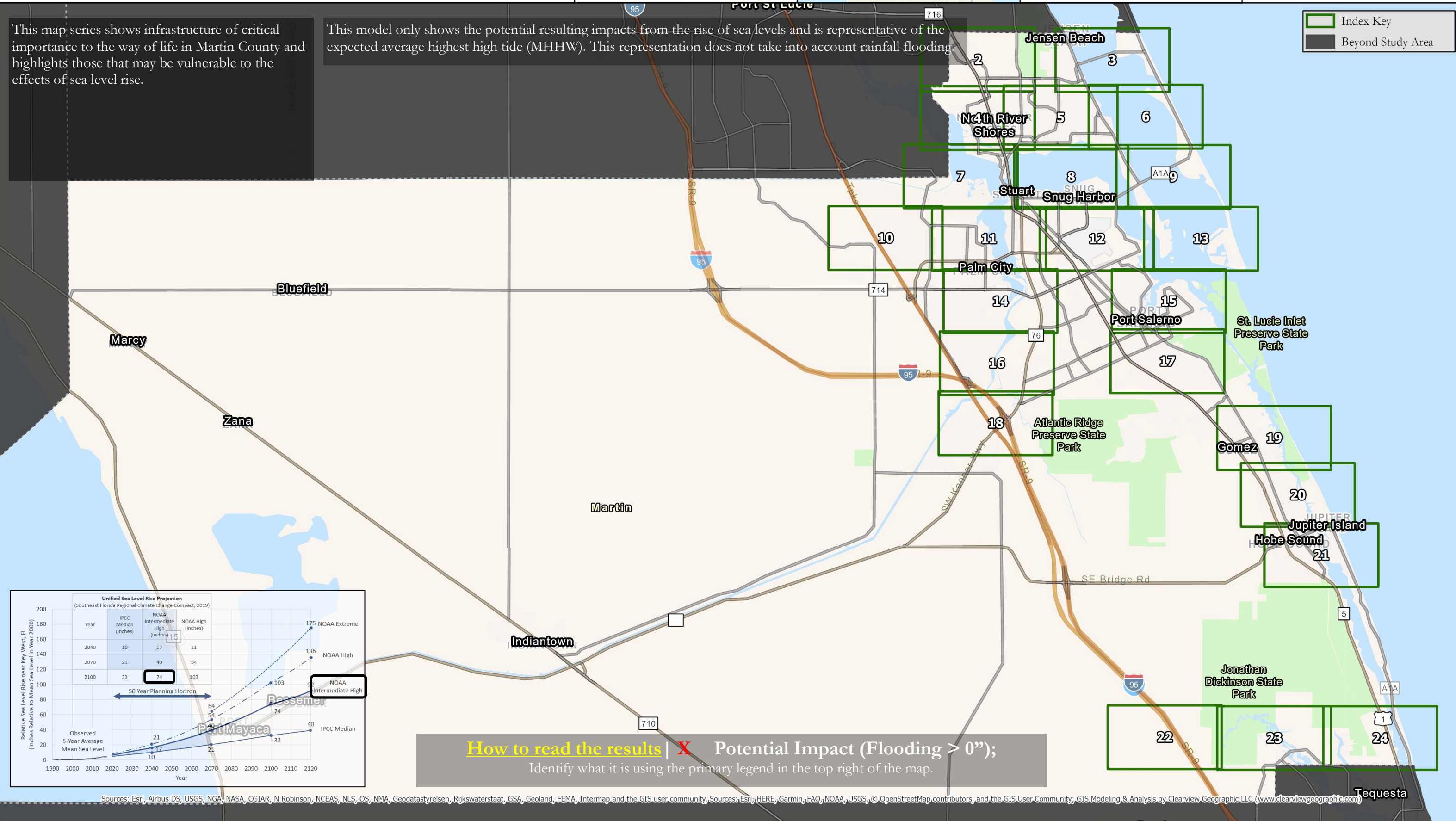


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Index Key  
 Beyond Study Area



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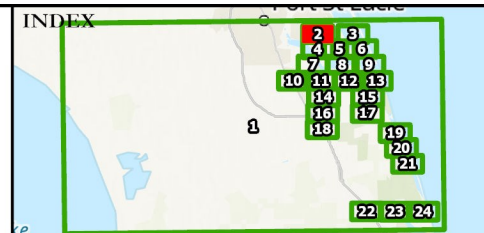
R1911 Resiliency Planning Grant  
Martin County, Florida



AClark 06/09/2020 Z:/1836B



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Water Rise (Inches): Approx. 74  
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Page: 2 of 24



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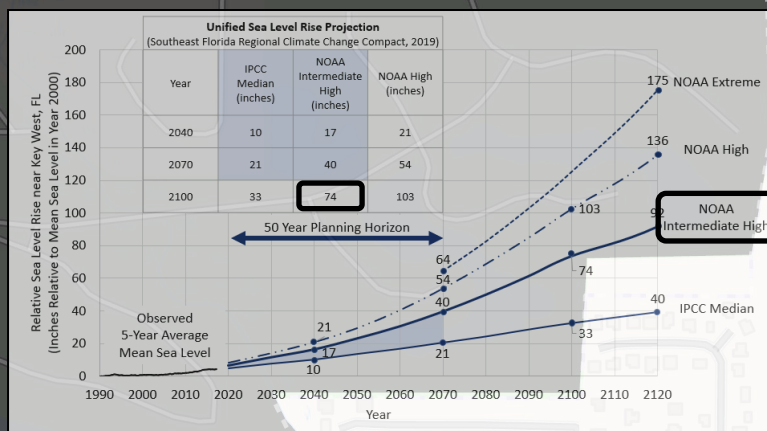
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# NO DETECTABLE IMPACTS

- Beyond Study Area
- fire\_hydrants
- Schools
- Libraries
- LawEnforcement
- Commercial
- Residential
- Utility



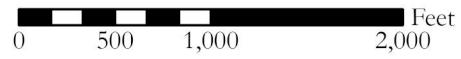
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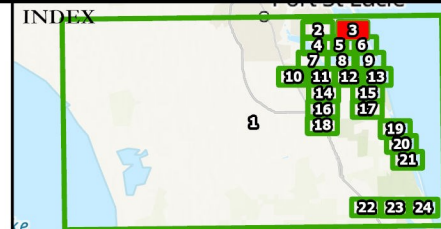
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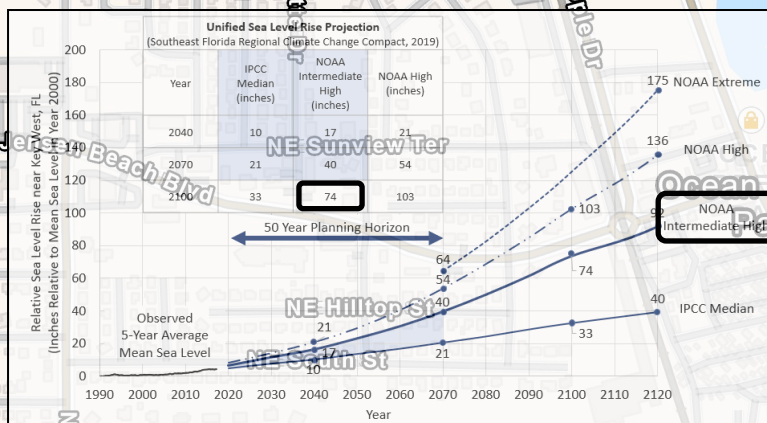
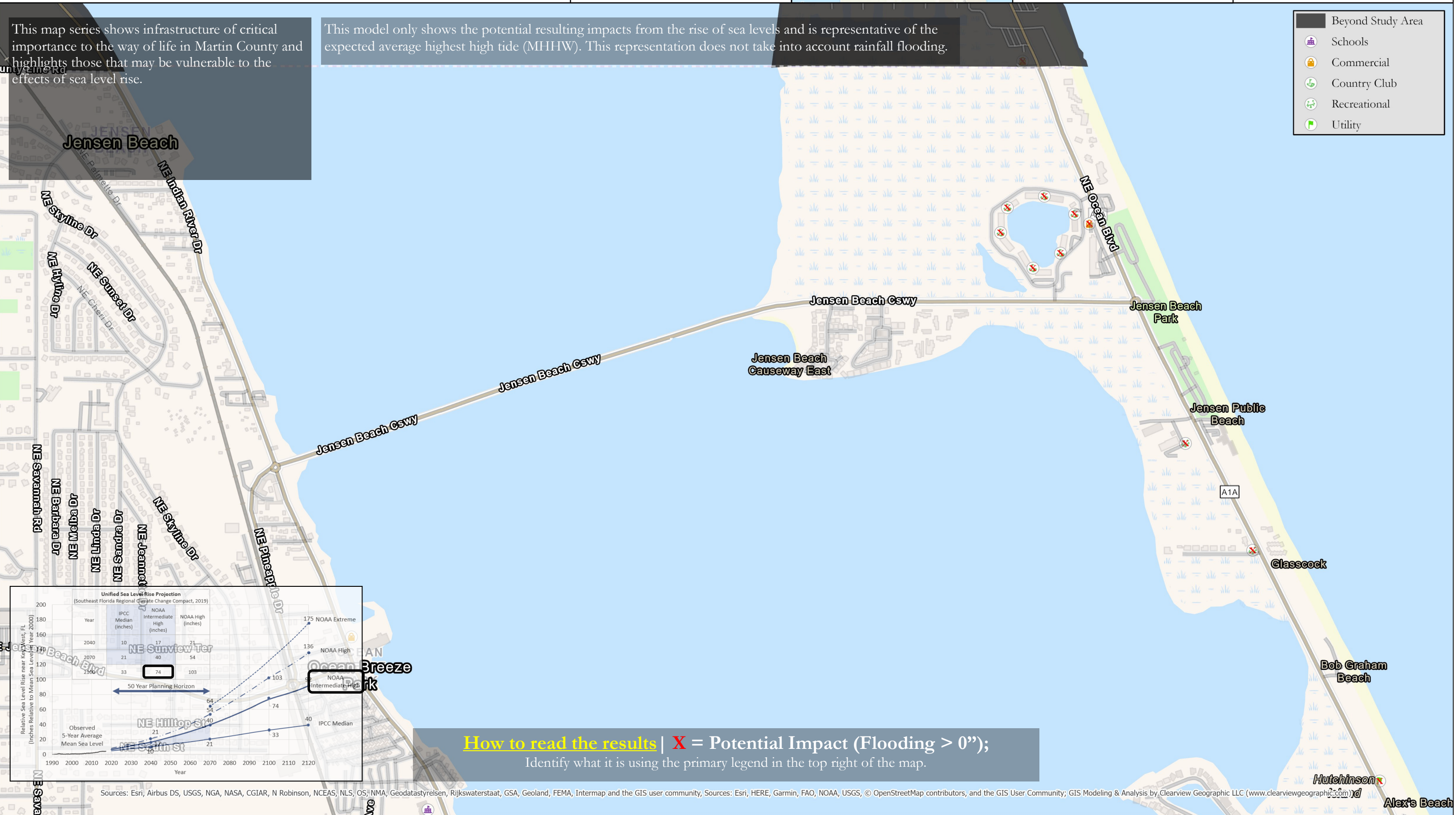


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- Beyond Study Area
- Schools
- Commercial
- Country Club
- Recreational
- Utility



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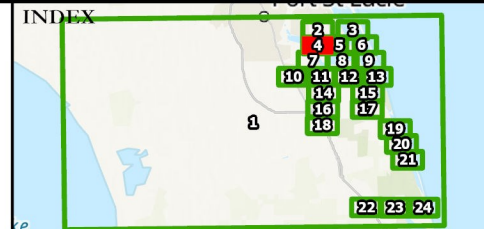
R1911 Resiliency Planning Grant  
Martin County, Florida



AClark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
Page: 4 of 24



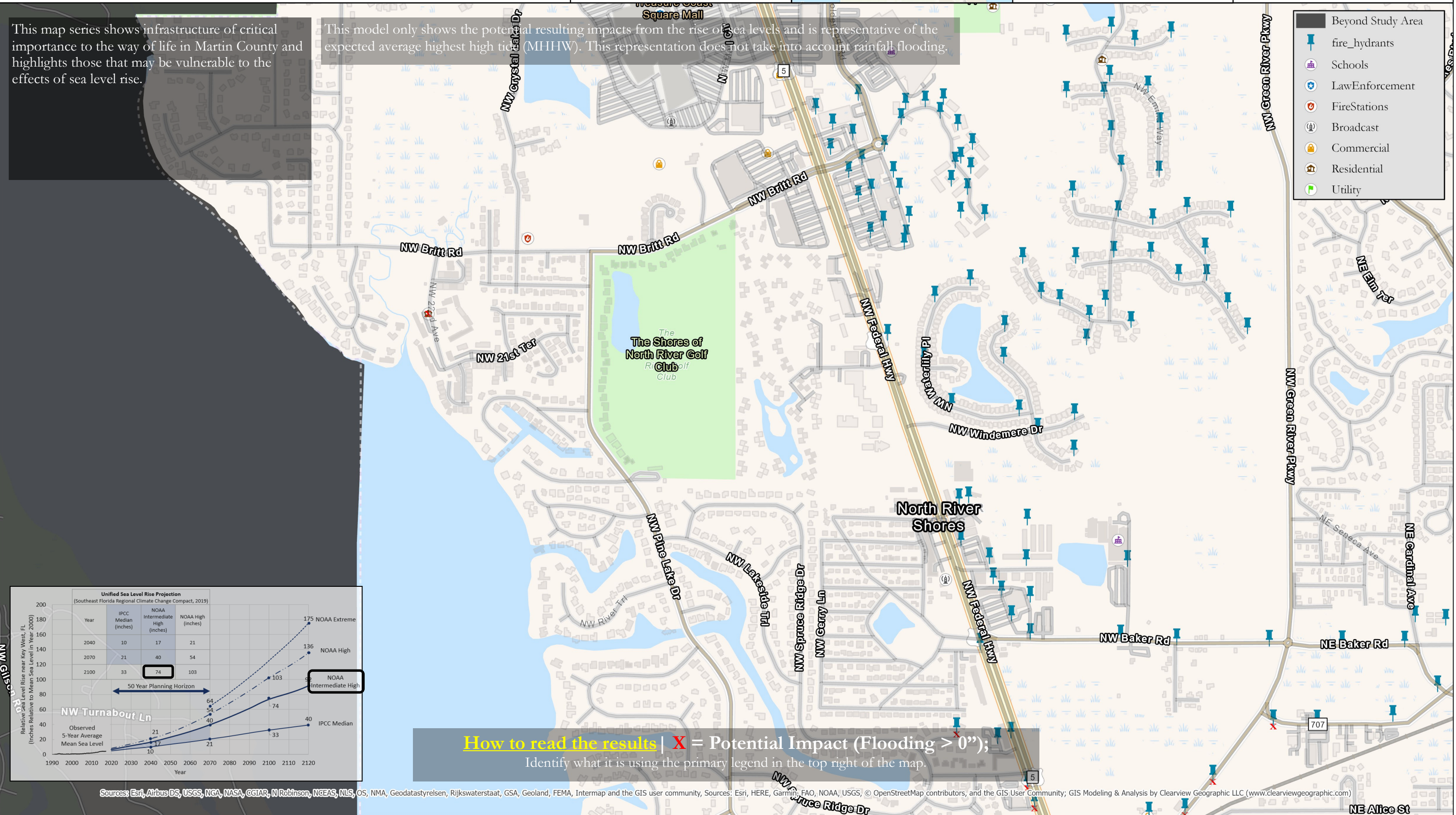
PROJECT PARTNERS



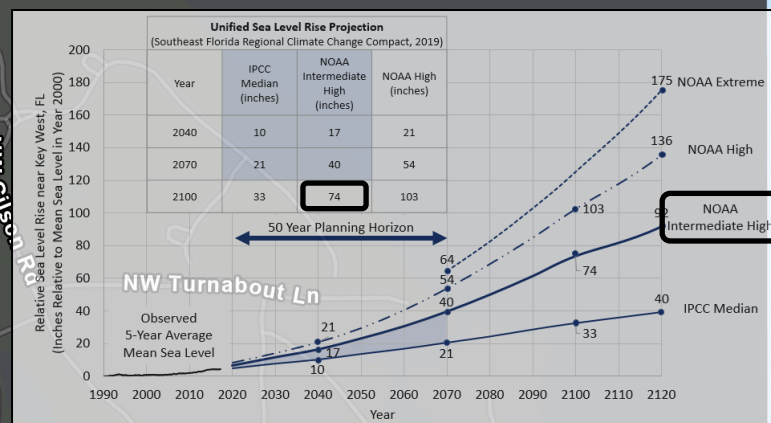
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DeLand, Florida 32720  
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- Beyond Study Area
- fire\_hydrants
- Schools
- LawEnforcement
- FireStations
- Broadcast
- Commercial
- Residential
- Utility

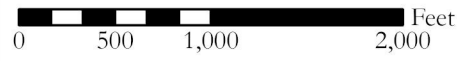


**How to read the results** | **X** = Potential Impact (Flooding > 0"); Identify what it is using the primary legend in the top right of the map.

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community; GIS Modeling & Analysis by Clearview Geographic LLC (www.clearviewgeographic.com)

# Critical Infrastructure Vulnerability

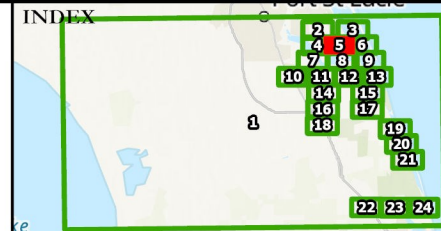
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Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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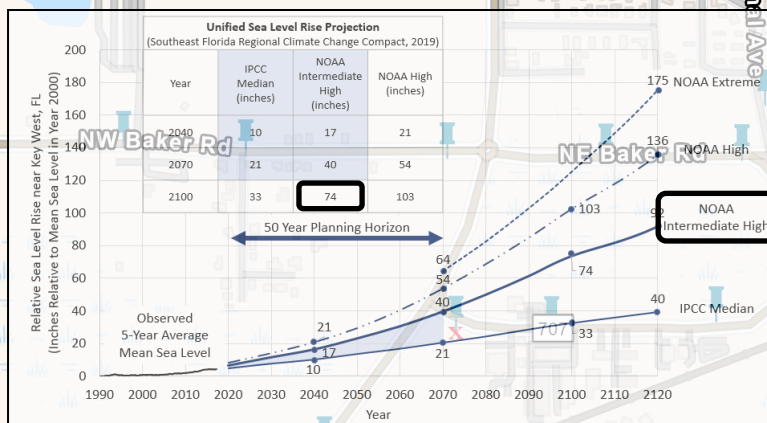
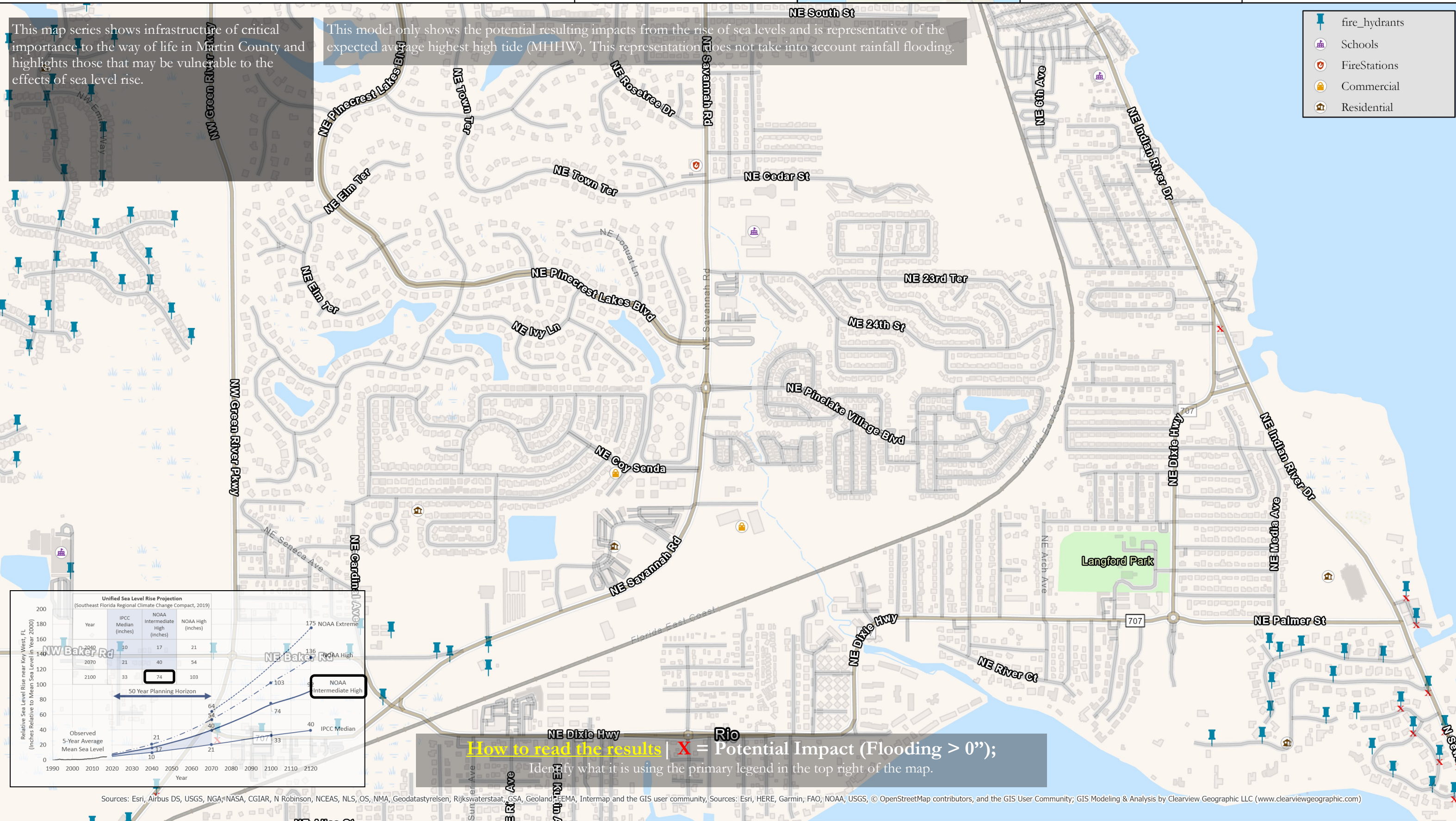


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- fire\_hydrants
- Schools
- Fire Stations
- Commercial
- Residential

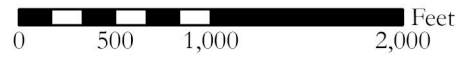


**How to read the results** | X = Potential Impact (Flooding > 0");  
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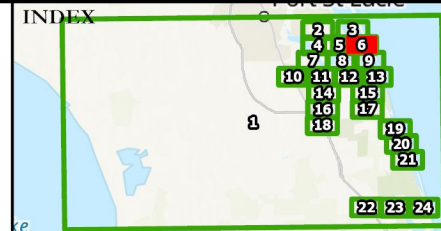
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Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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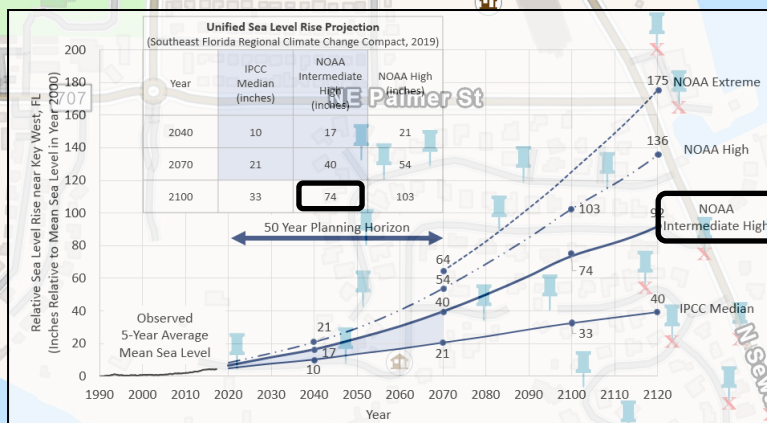
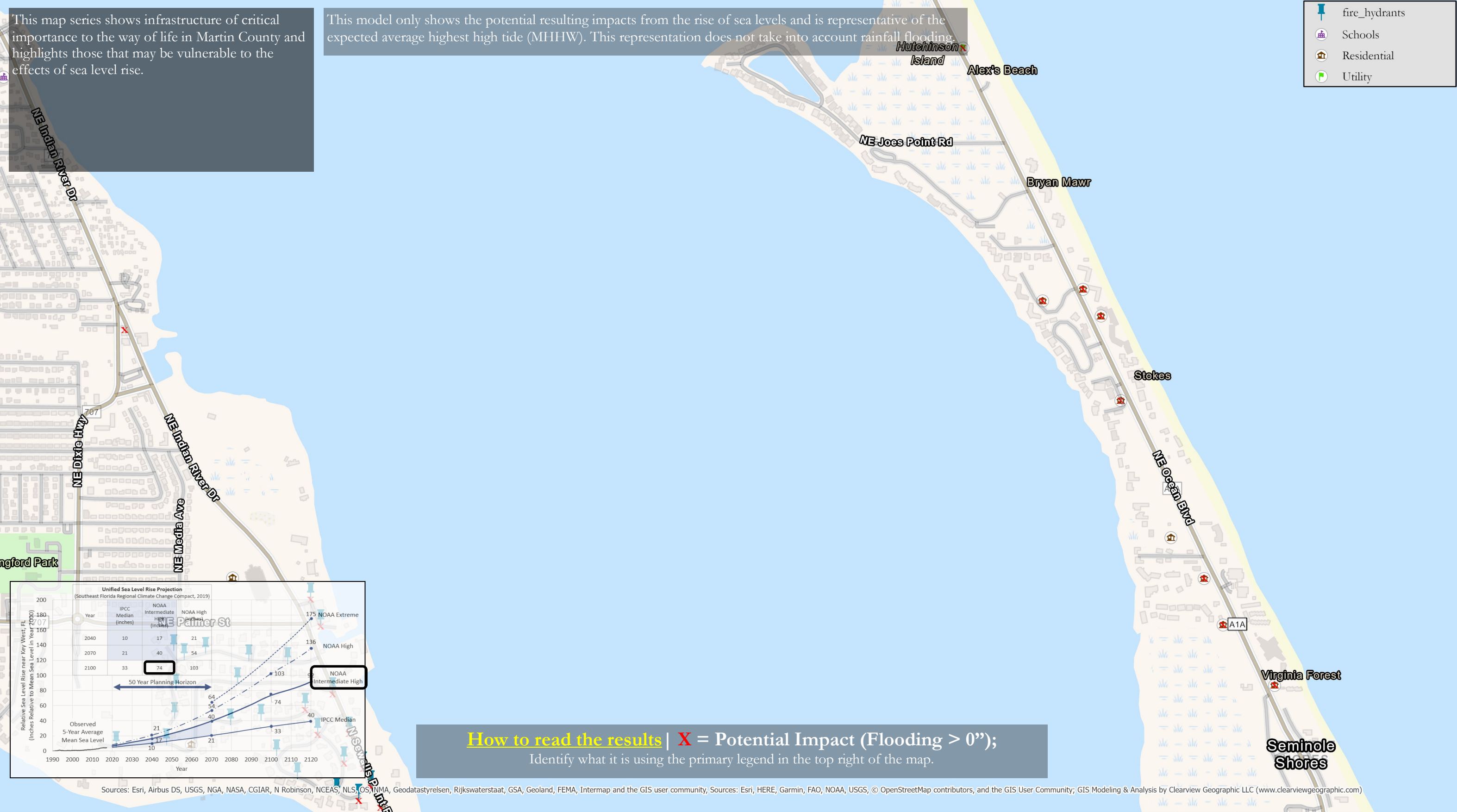


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- fire\_hydrants
- Schools
- Residential
- Utility



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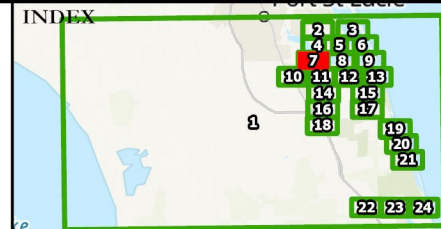
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Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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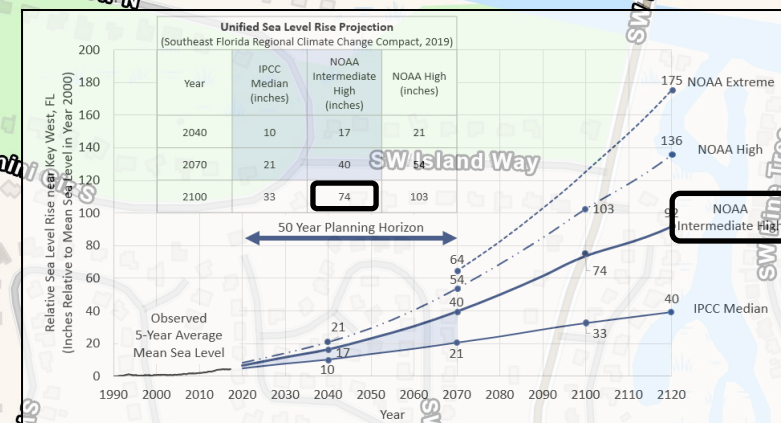
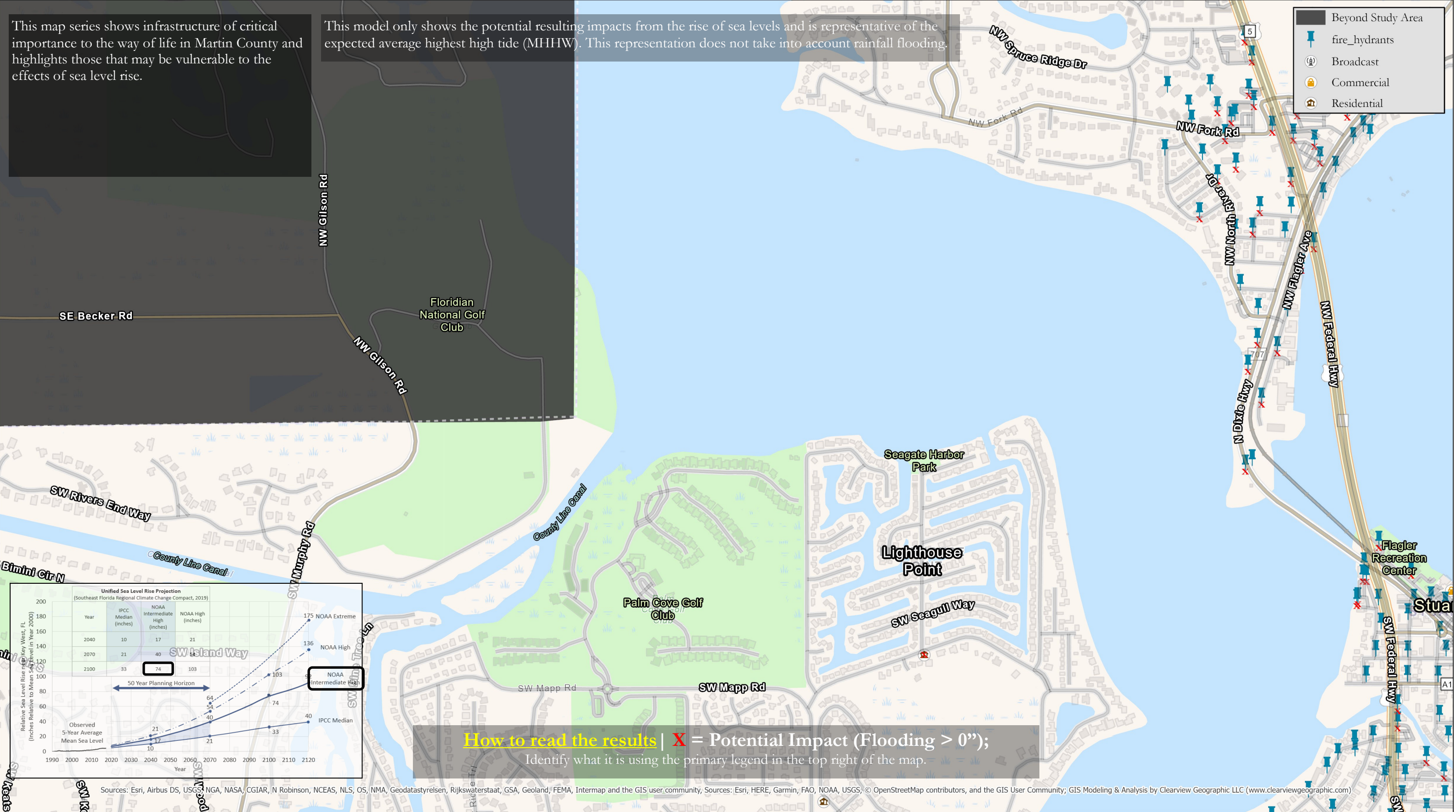
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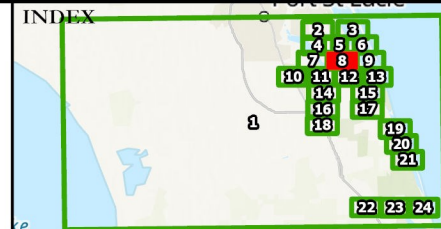
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Scenario: MHHW  
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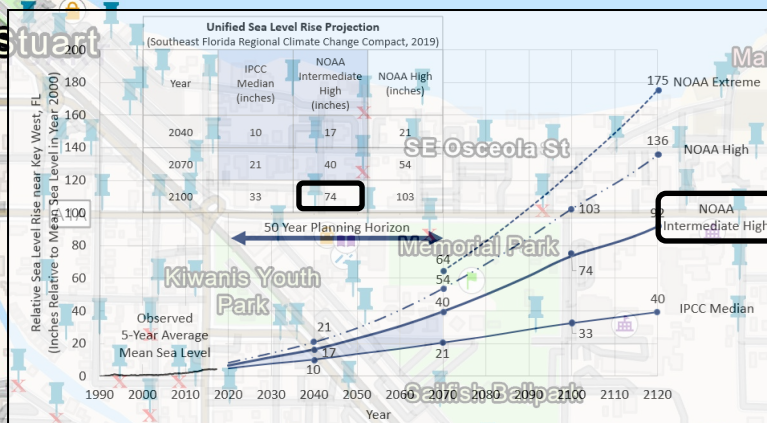
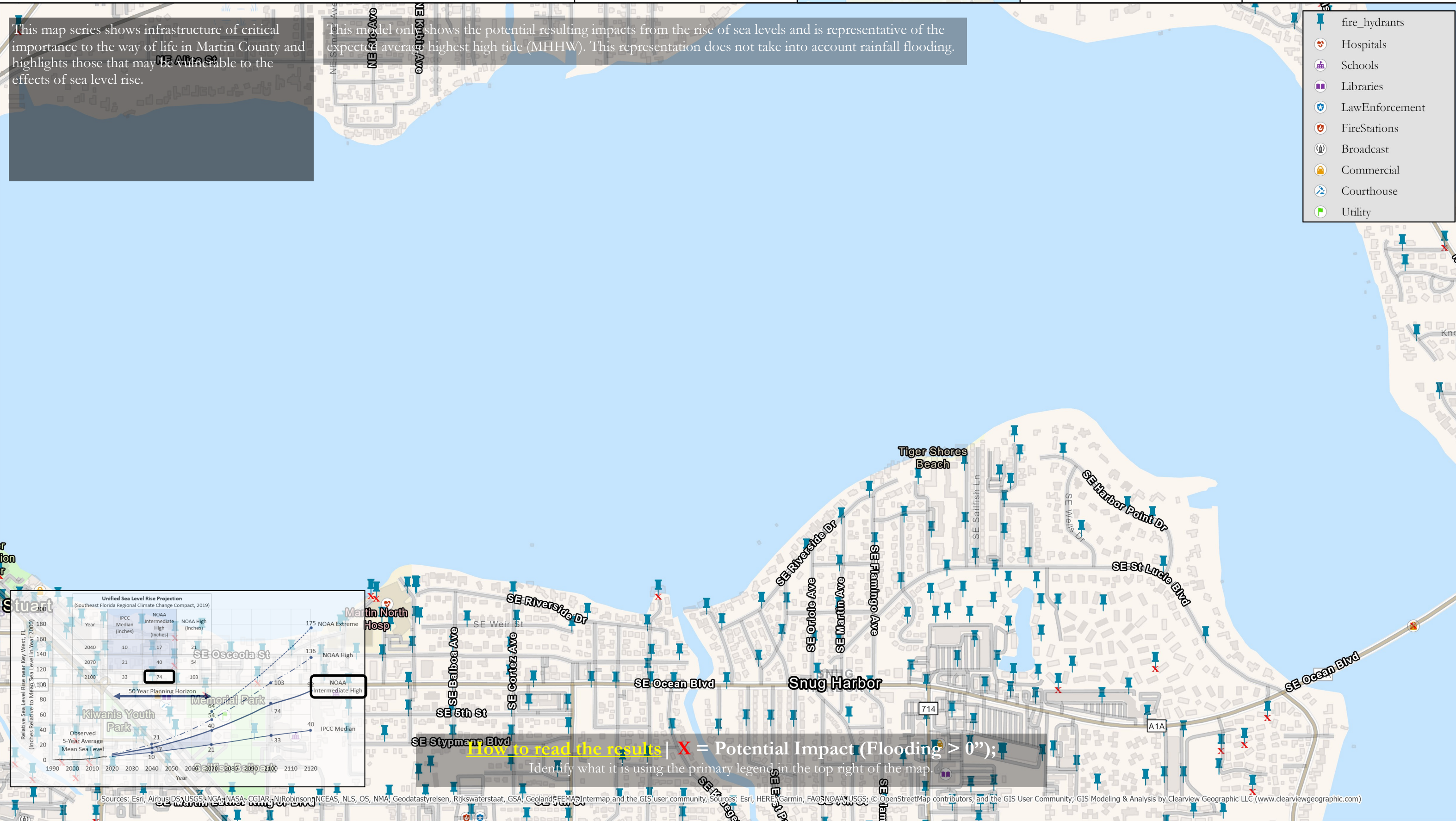


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- fire\_hydrants
- Hospitals
- Schools
- Libraries
- LawEnforcement
- FireStations
- Broadcast
- Commercial
- Courthouse
- Utility



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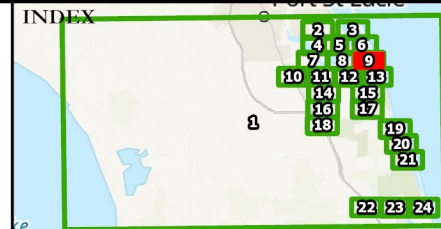
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Projection: NOAA Intermediate High  
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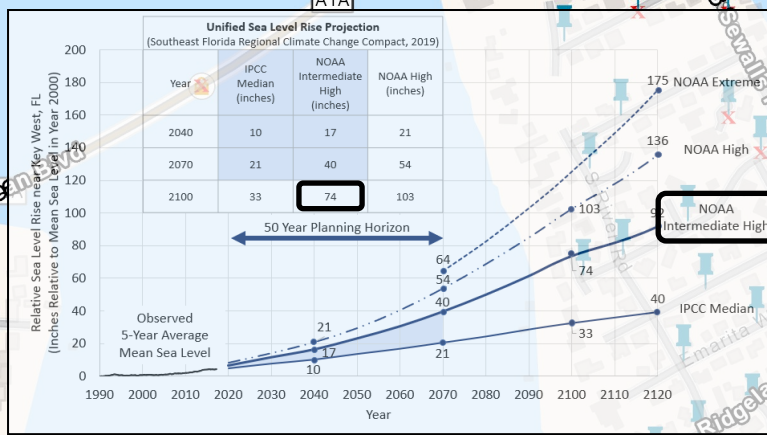


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- fire\_hydrants
- LawEnforcement
- FireStations
- Commercial
- Country Club
- Recreational
- Residential



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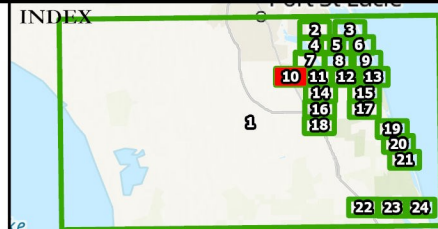
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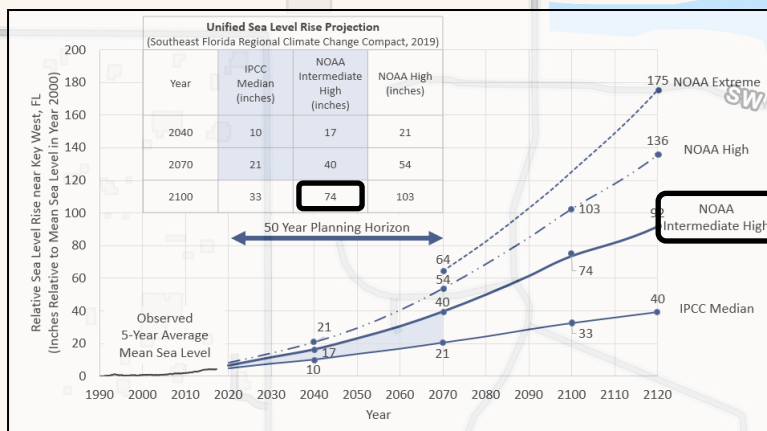
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- Schools
- Commercial
- Country Club
- Residential
- Utility

# NO DETECTABLE IMPACTS



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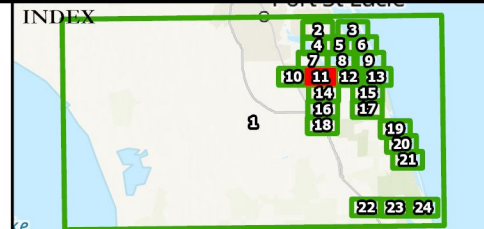
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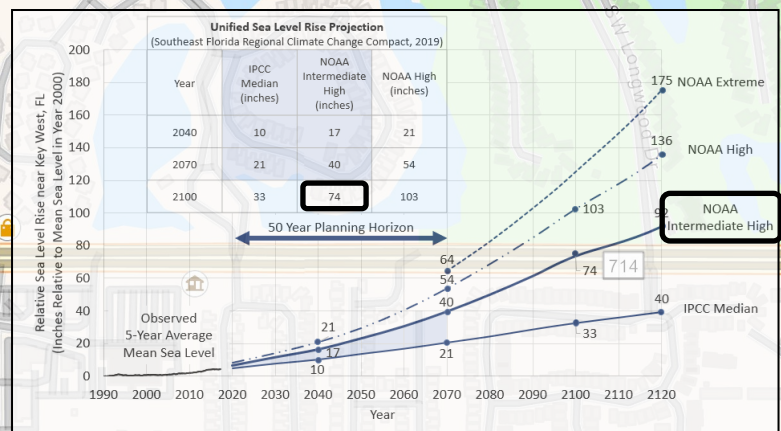
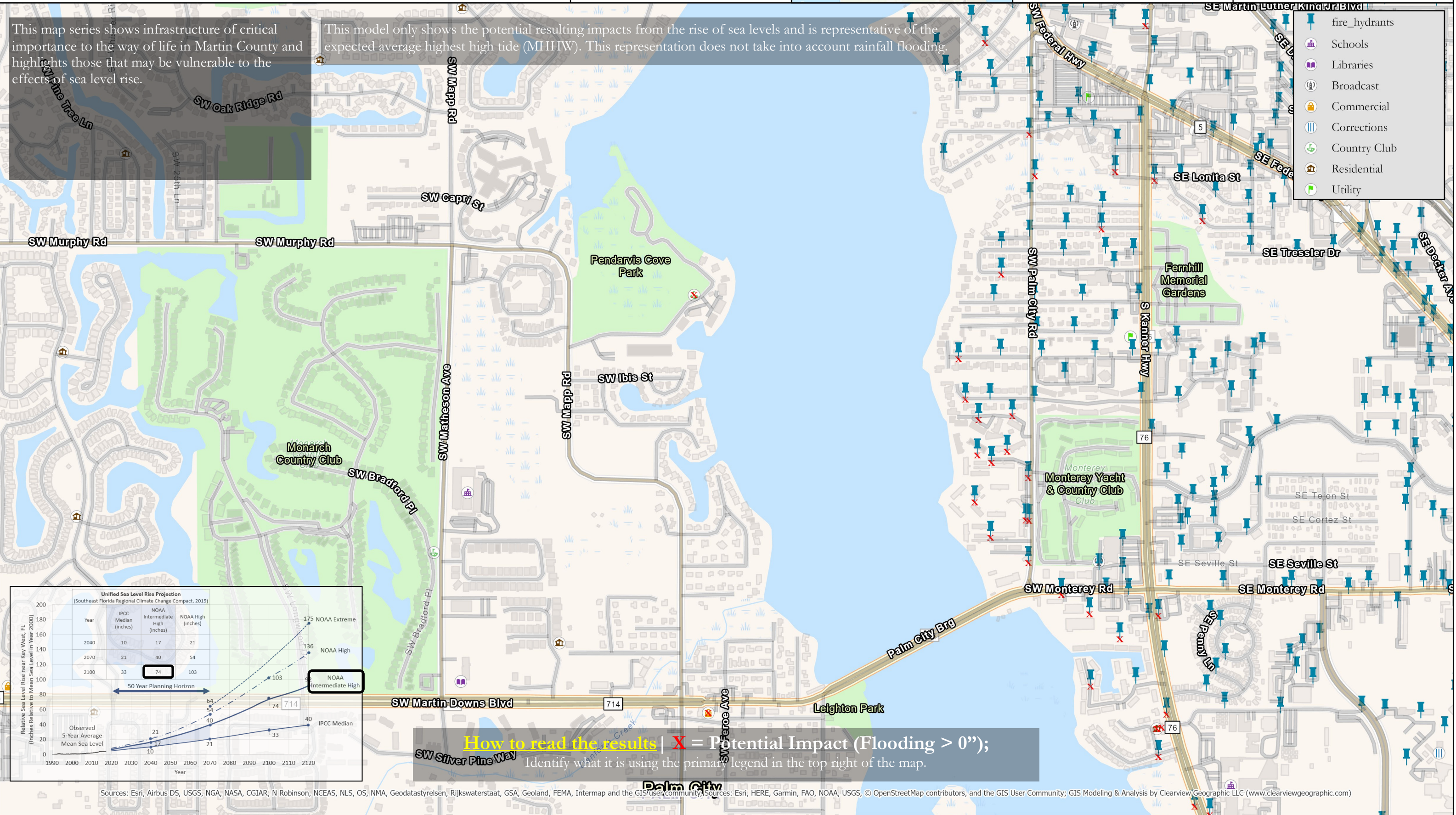
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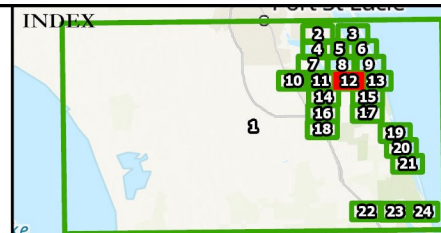
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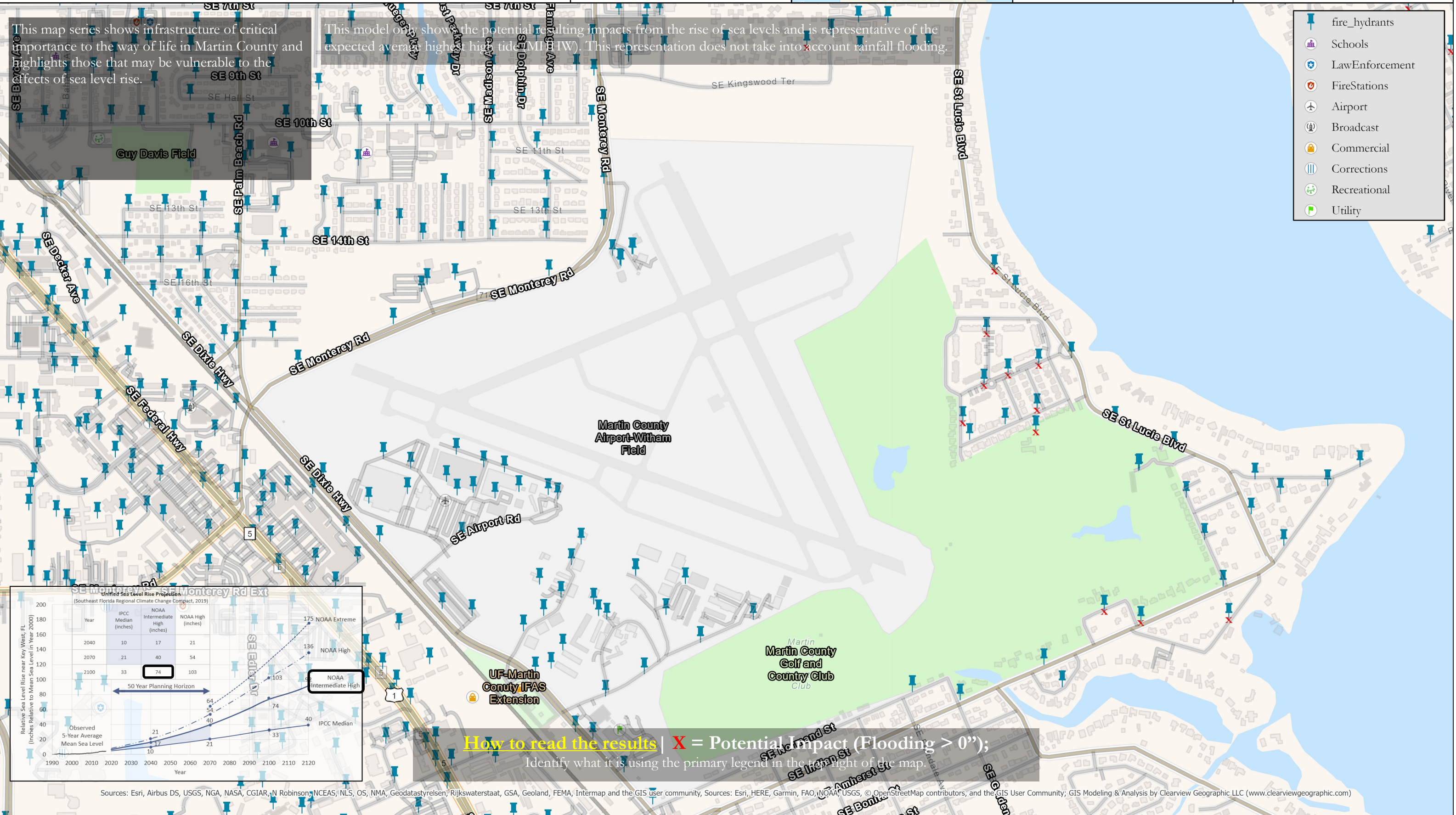
Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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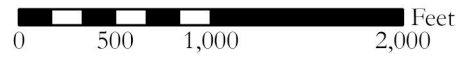


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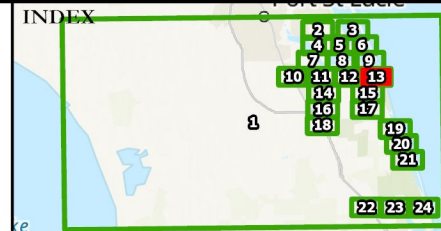
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Scenario: MHHW  
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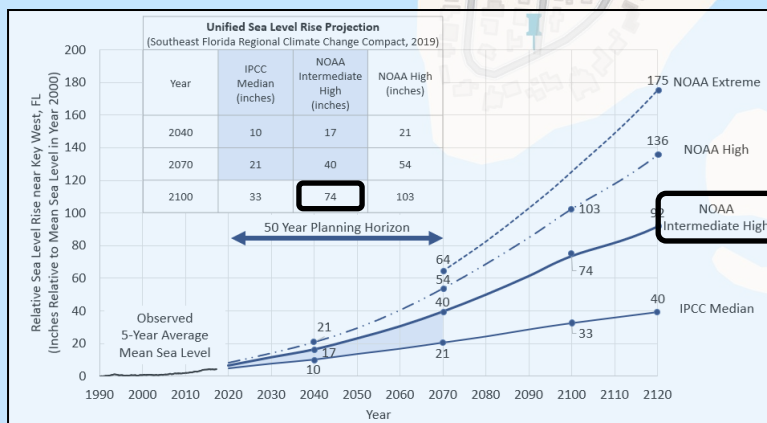


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- fire\_hydrants
- Residential



**How to read the results** | **X** = Potential Impact (Flooding > 0");  
Identify what it is using the primary legend in the top right of the map.

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# Critical Infrastructure Vulnerability

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Martin County, Florida

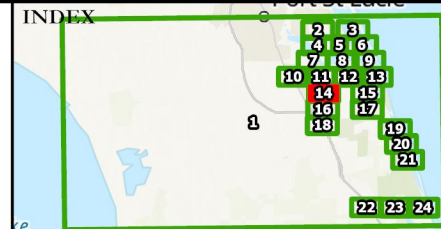


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N



Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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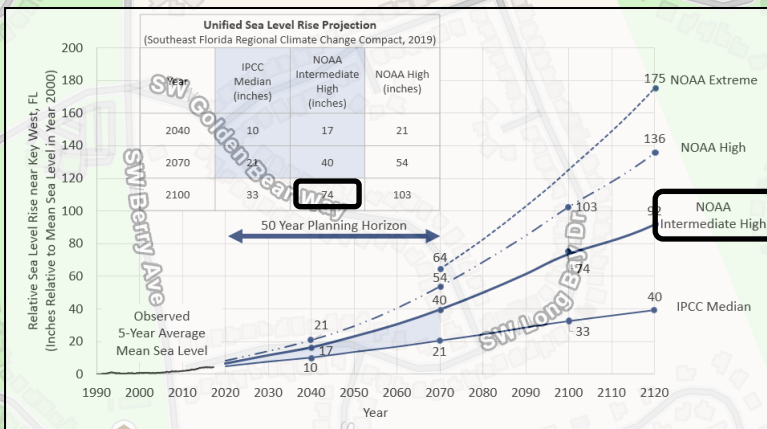
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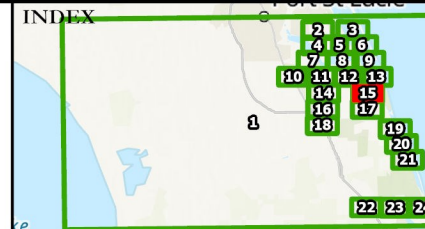
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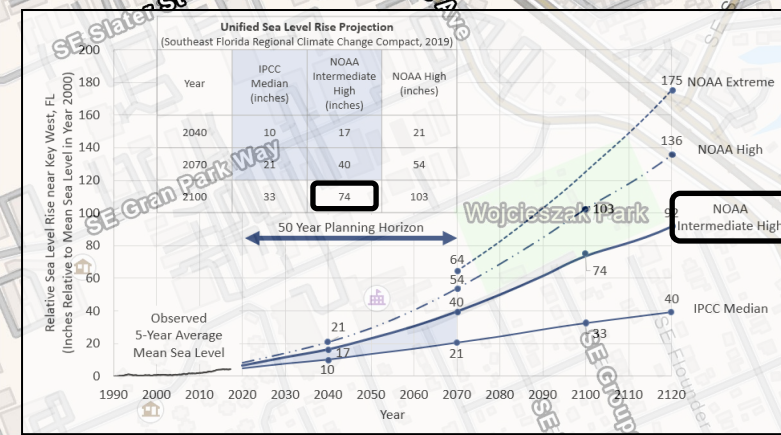


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- fire\_hydrants
- Schools
- Fire Stations
- Commercial
- Country Club
- Residential



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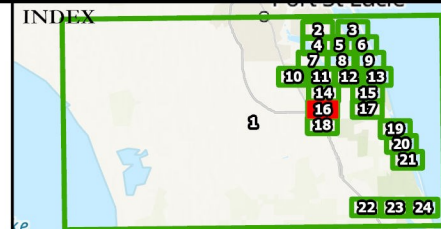
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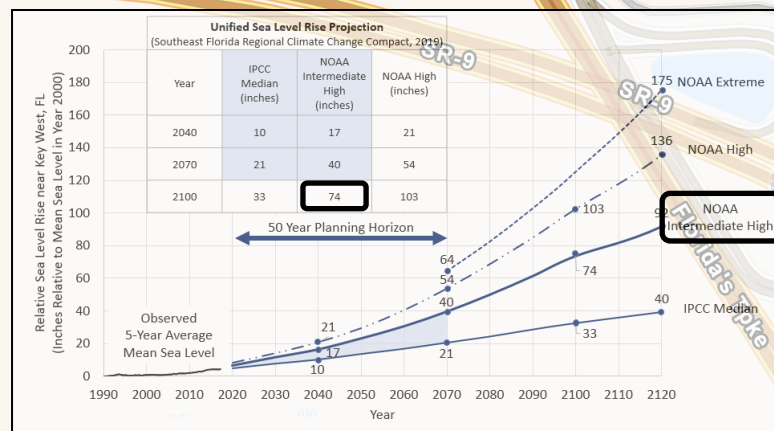


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**NO DATA TO DISPLAY**



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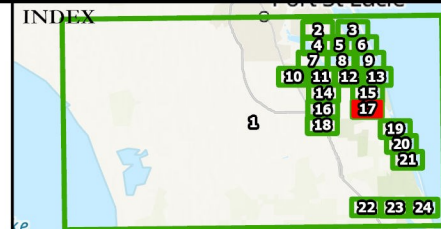
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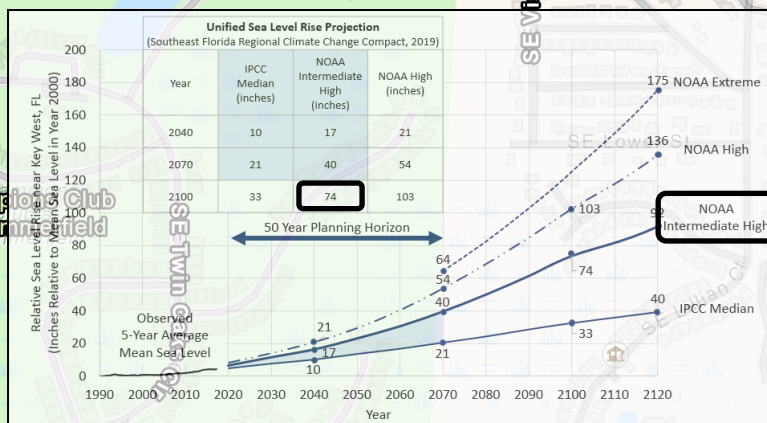
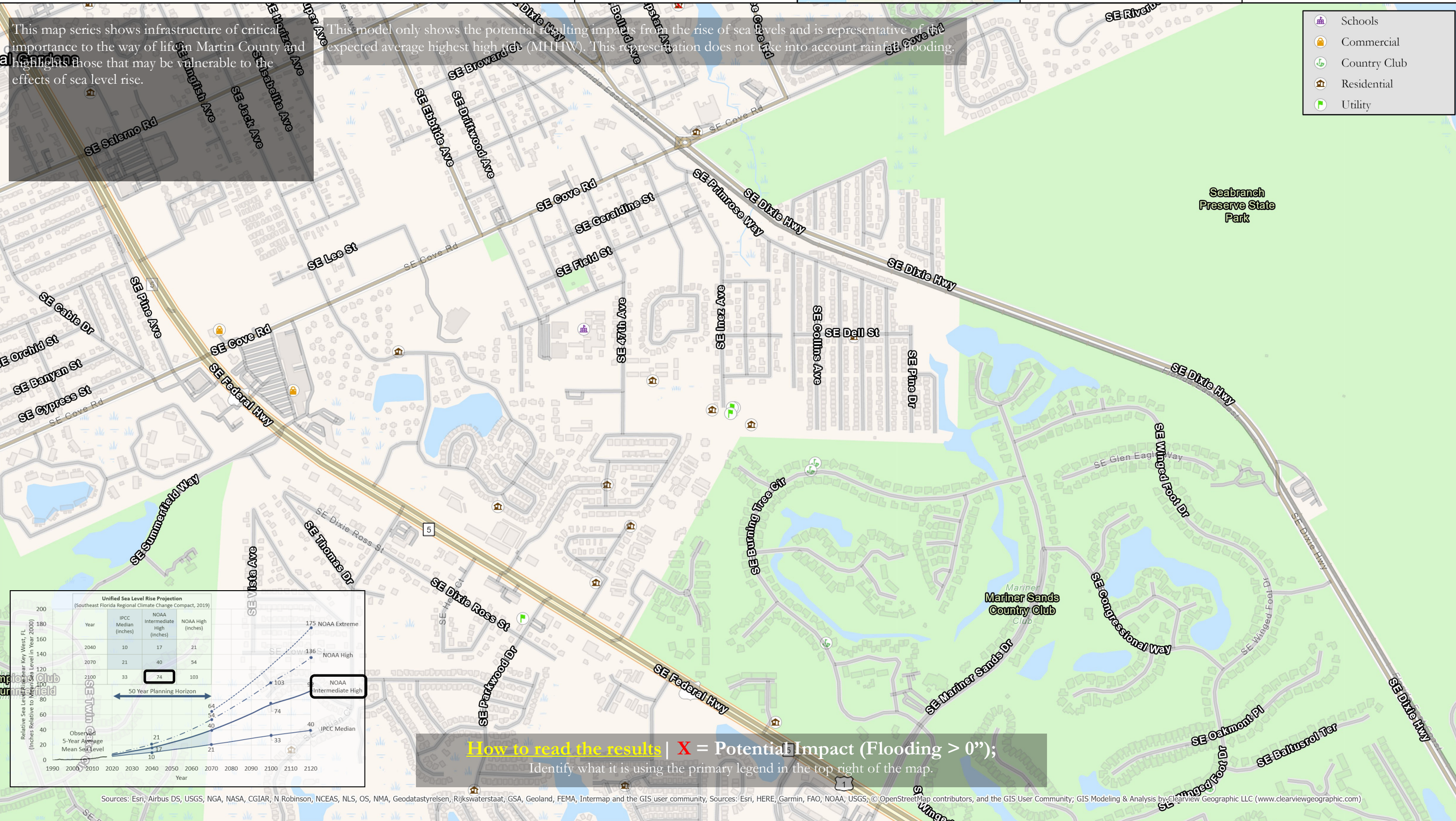


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This map series shows infrastructure of critical importance to the way of life in Martin County and highlights those that may be vulnerable to the effects of sea level rise.

This model only shows the potential resulting impacts from the rise of sea levels and is representative of expected average highest high tides (MHHW). This representation does not take into account rainfall flooding.

- Schools
- Commercial
- Country Club
- Residential
- Utility



**How to read the results** | X = Potential Impact (Flooding > 0");  
Identify what it is using the primary legend in the top right of the map.

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community; GIS Modeling & Analysis by Clearview Geographic LLC (www.clearviewgeographic.com)

# Critical Infrastructure Vulnerability

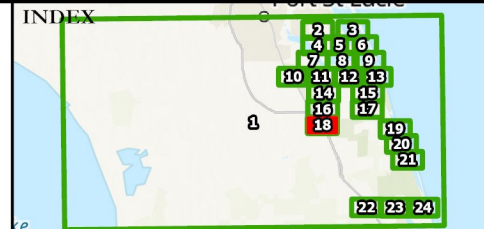
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Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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PROJECT PARTNERS

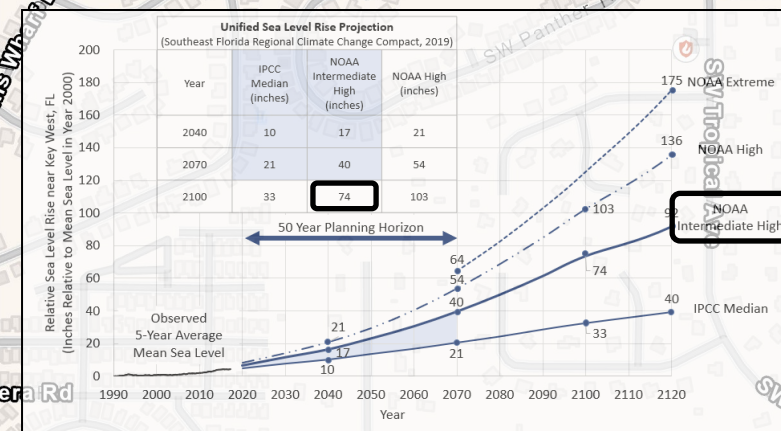
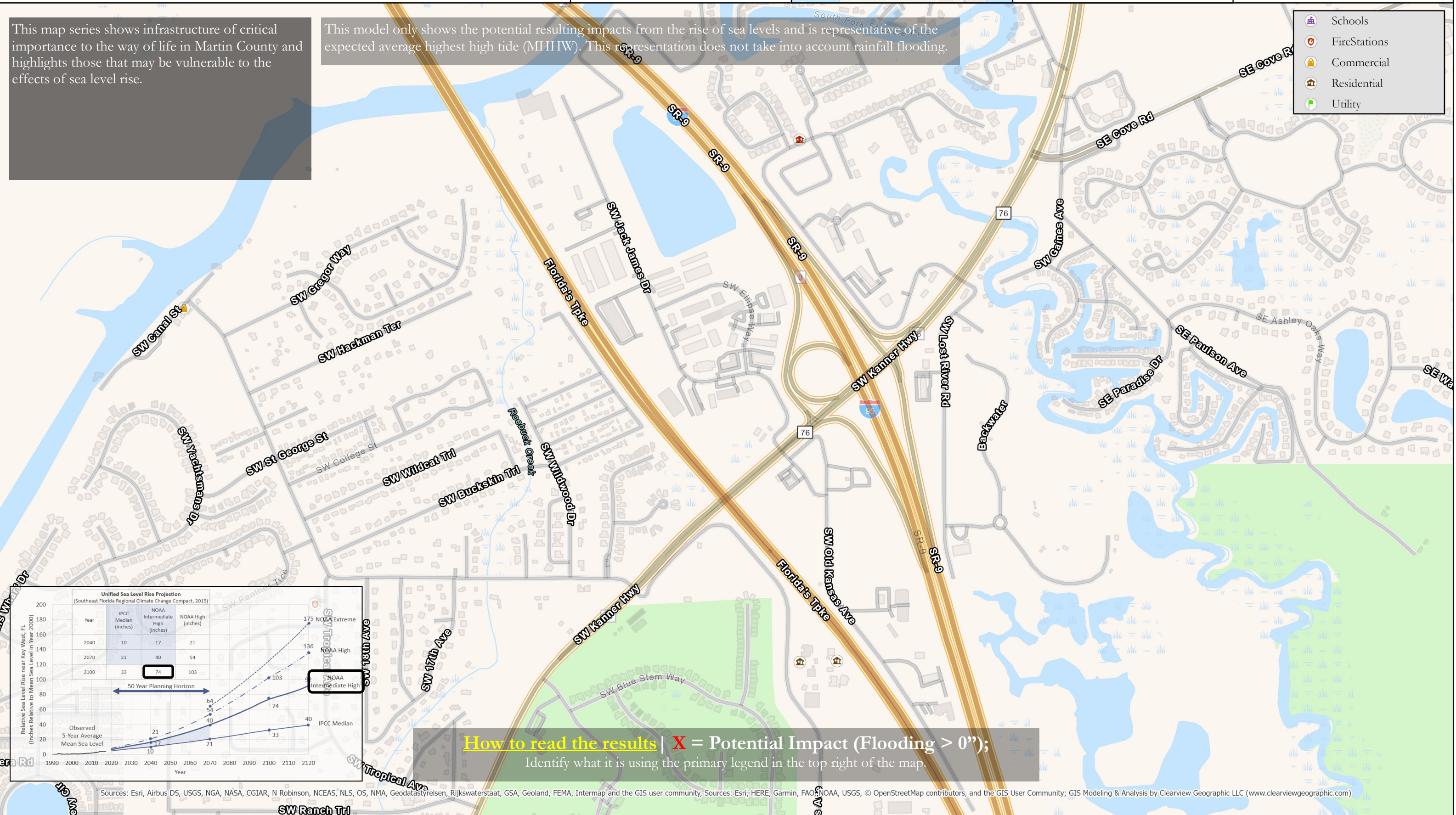


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- Schools
- Fire Stations
- Commercial
- Residential
- Utility

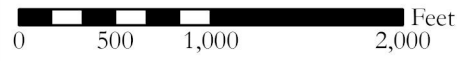


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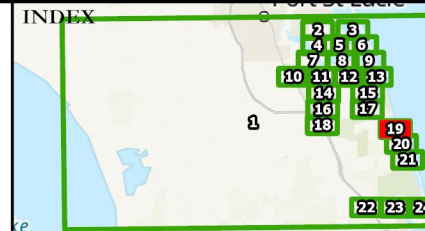
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Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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PROJECT PARTNERS



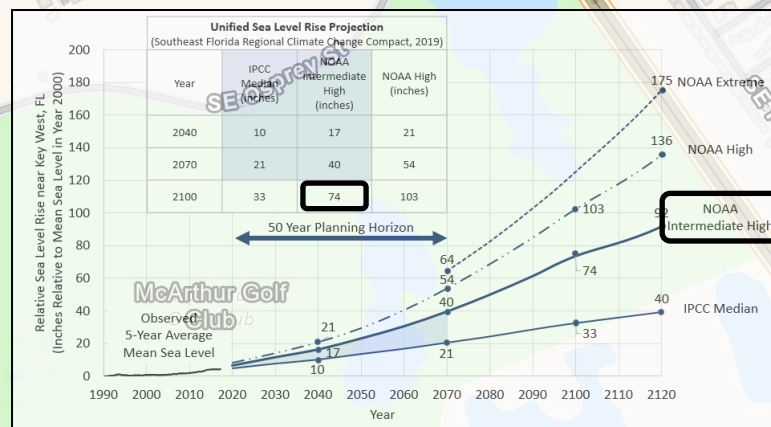
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- Fire Stations
- Utility

# NO DETECTABLE IMPACTS



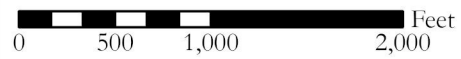
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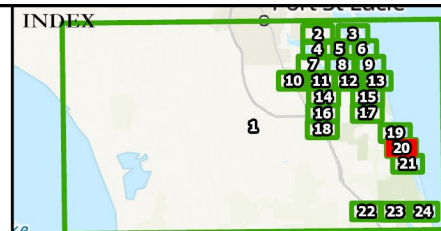
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Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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PROJECT PARTNERS



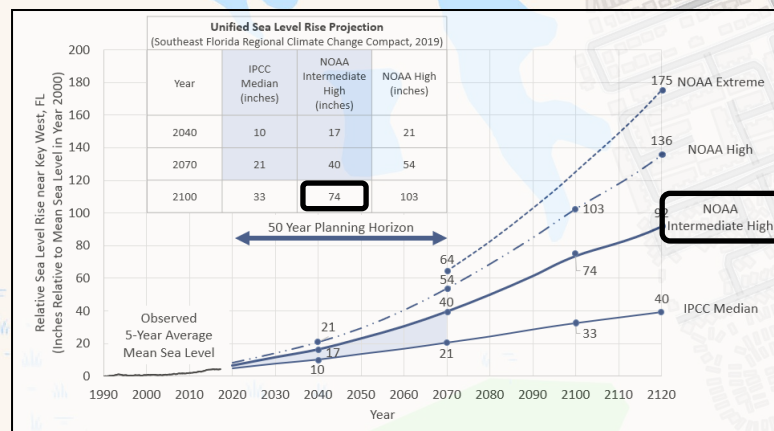
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Libraries

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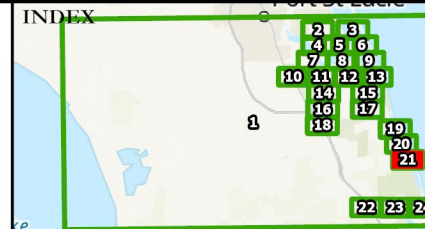
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Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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PROJECT PARTNERS



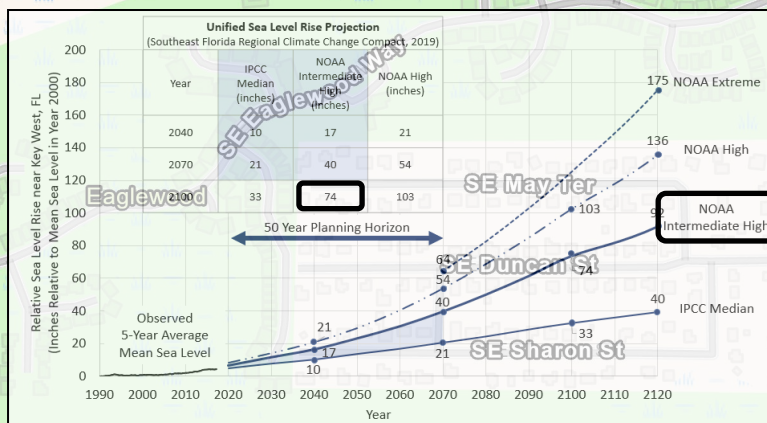
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- Schools
- Law Enforcement
- Fire Stations

# NO DETECTABLE IMPACTS

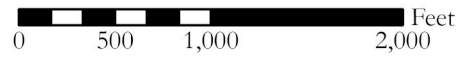


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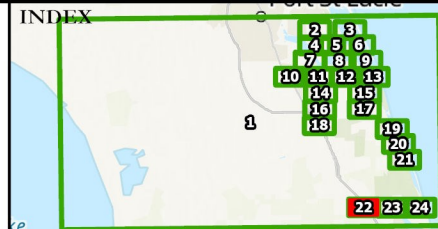
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Year: 2100  
Water Rise (Inches): Approx. 74  
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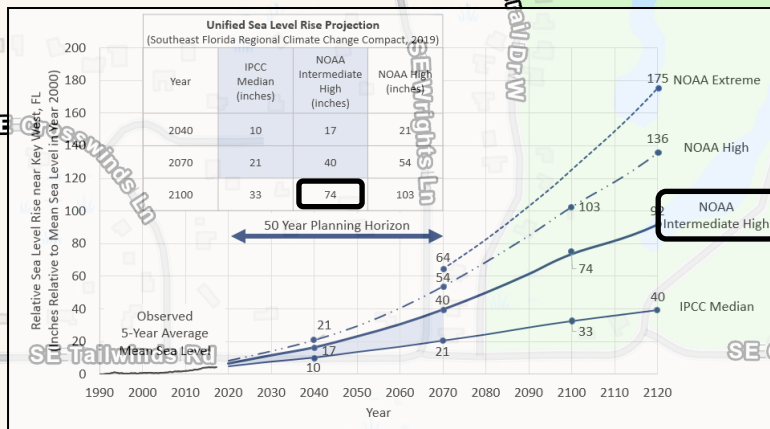
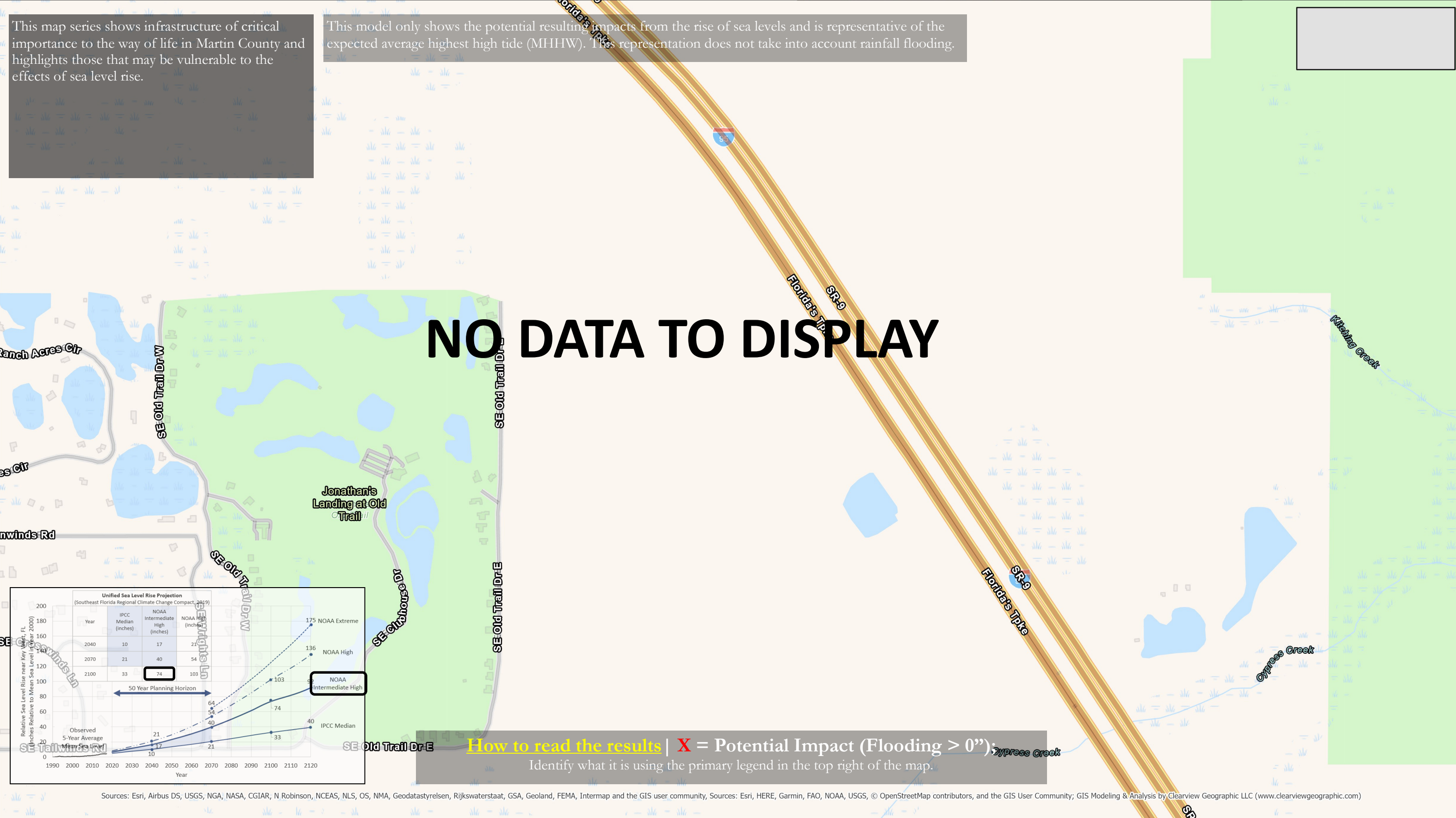


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# NO DATA TO DISPLAY



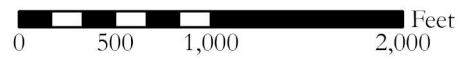
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# Critical Infrastructure Vulnerability

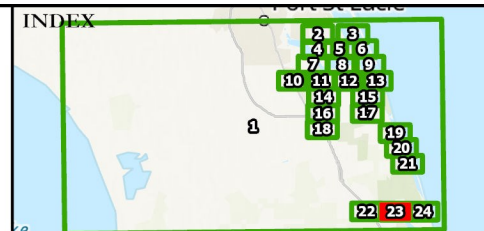
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Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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PROJECT PARTNERS



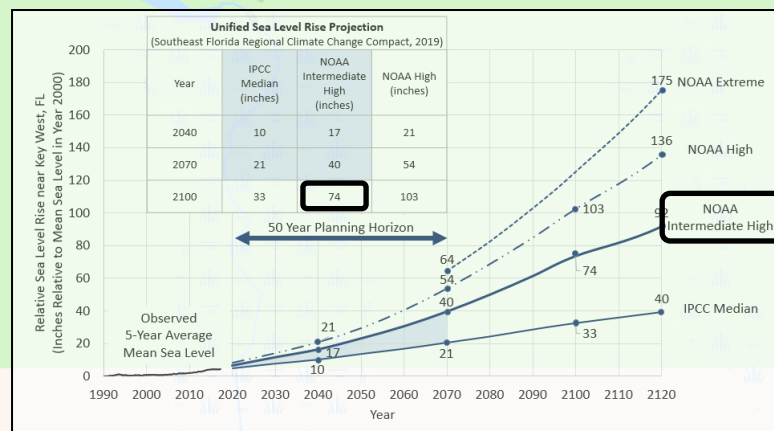
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Beyond Study Area

# NO DATA TO DISPLAY



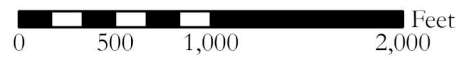
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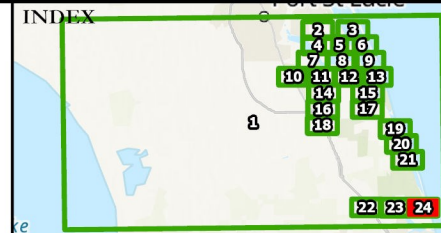
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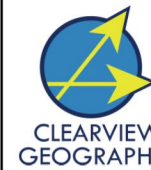
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Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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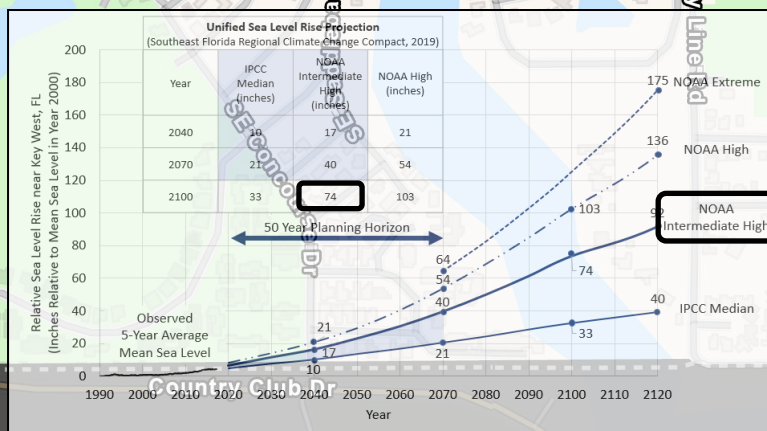
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- Beyond Study Area
- Hospitals
- Law Enforcement
- Fire Stations
- Trainstation

# NO DETECTABLE IMPACTS



**How to read the results** | **X** = Potential Impact (Flooding > 0");

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# Sea Level Rise Projection & FEMA Flood Plain

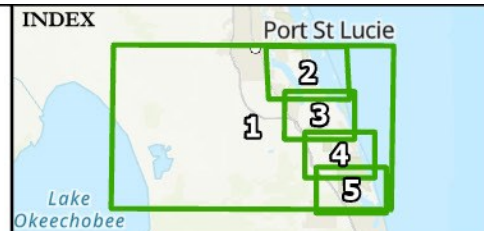
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Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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PROJECT PARTNERS

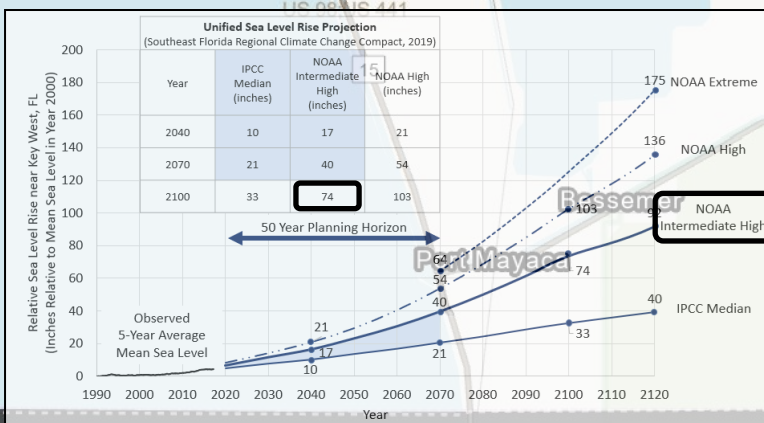
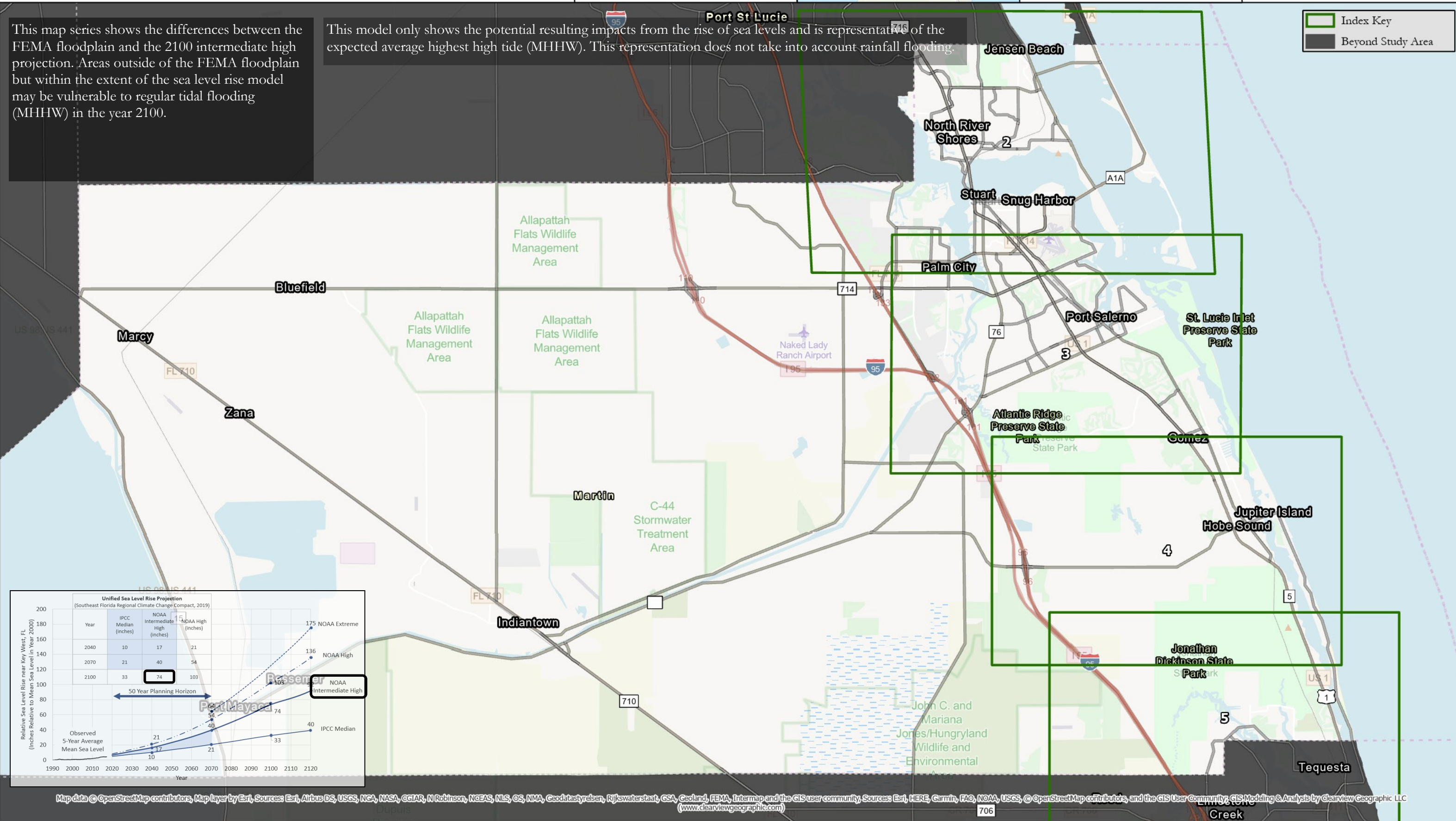


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This map series shows the differences between the FEMA floodplain and the 2100 intermediate high projection. Areas outside of the FEMA floodplain but within the extent of the sea level rise model may be vulnerable to regular tidal flooding (MHHW) in the year 2100.

This model only shows the potential resulting impacts from the rise of sea levels and is representative of the expected average highest high tide (MHHW). This representation does not take into account rainfall flooding.

- Index Key
- Beyond Study Area



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# Sea Level Rise Projection & FEMA Flood Plain

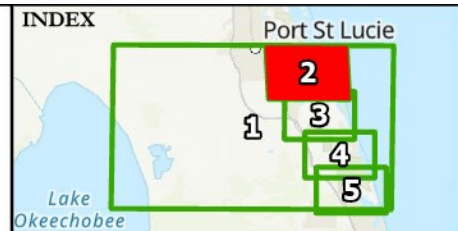
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Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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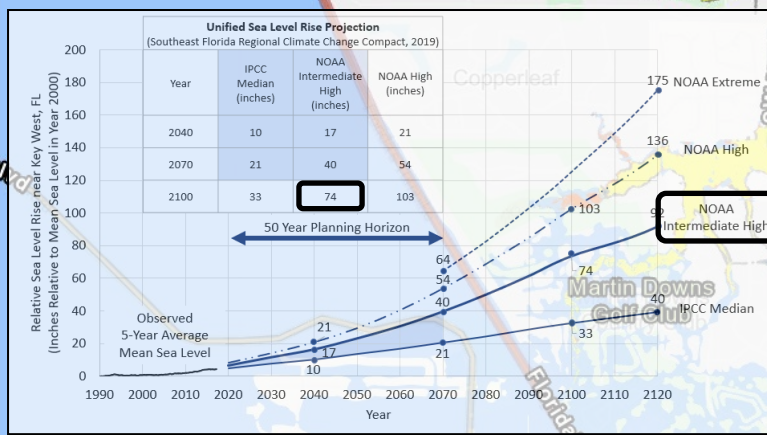
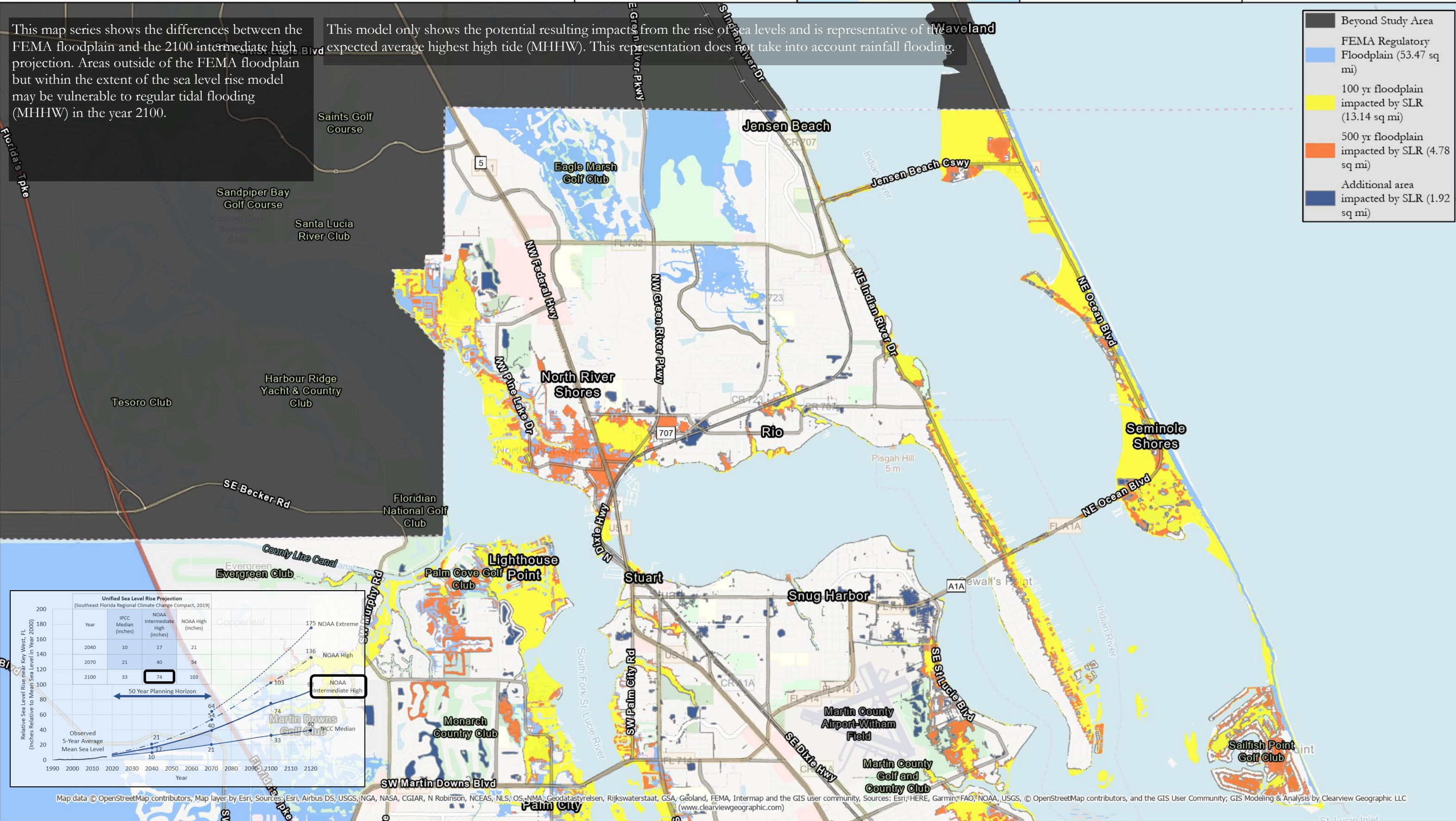


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- Beyond Study Area
- FEMA Regulatory Floodplain (53.47 sq mi)
- 100 yr floodplain impacted by SLR (13.14 sq mi)
- 500 yr floodplain impacted by SLR (4.78 sq mi)
- Additional area impacted by SLR (1.92 sq mi)



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# Sea Level Rise Projection & FEMA Flood Plain

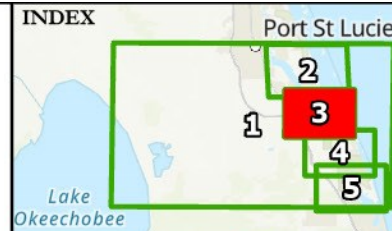
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Projection: NOAA Intermediate High  
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Water Rise (Inches): Approx. 74  
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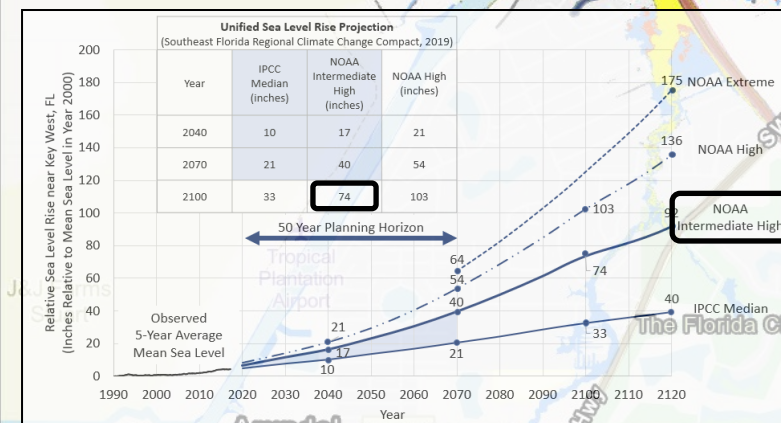
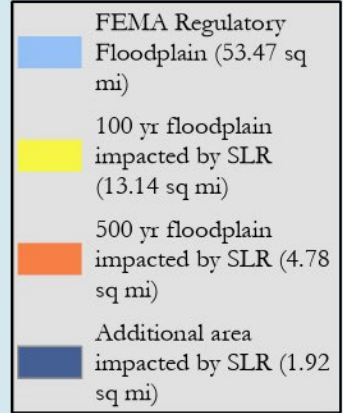
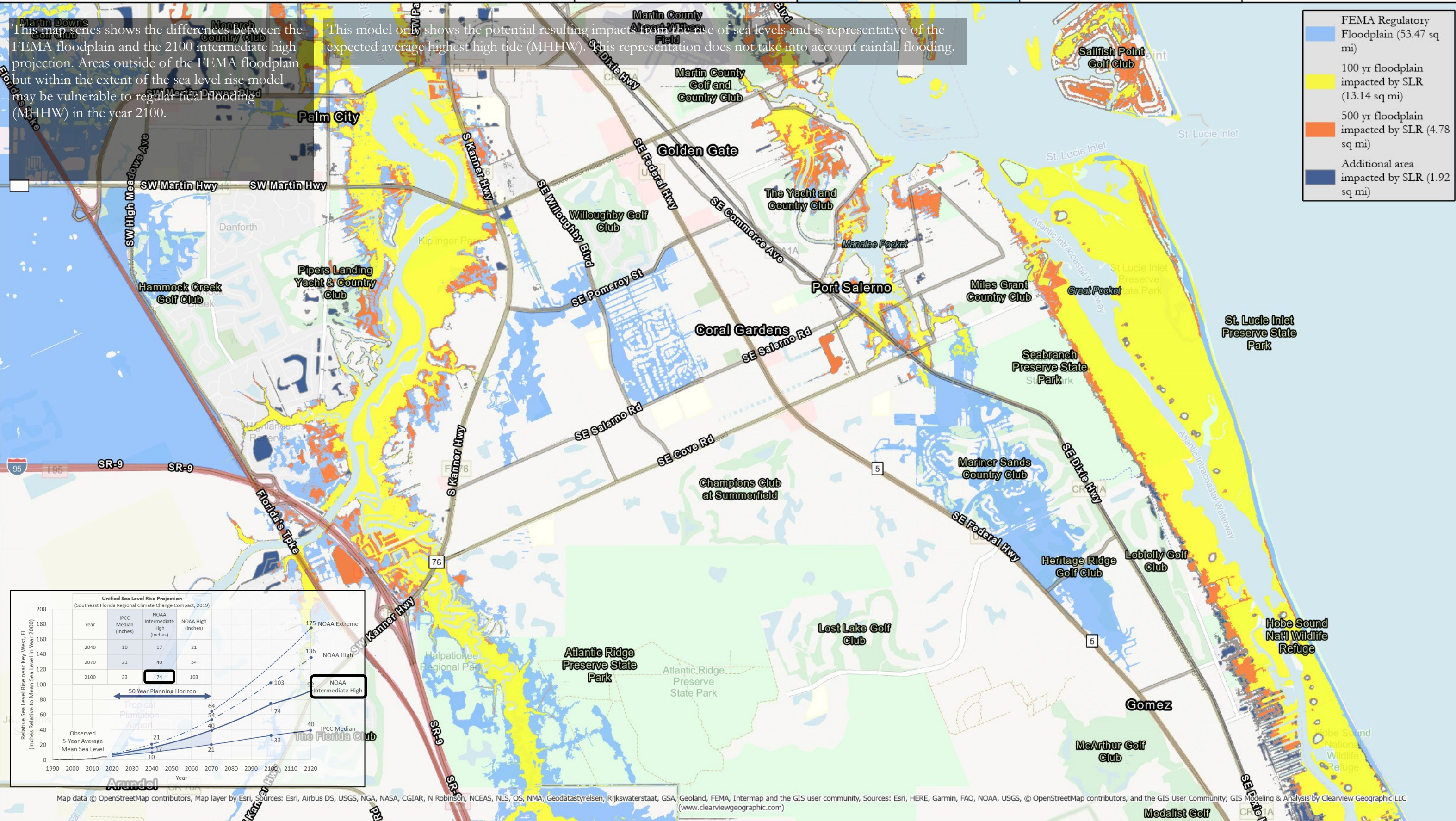
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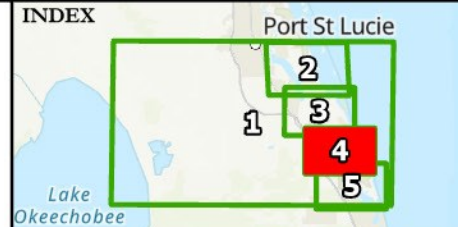
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Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
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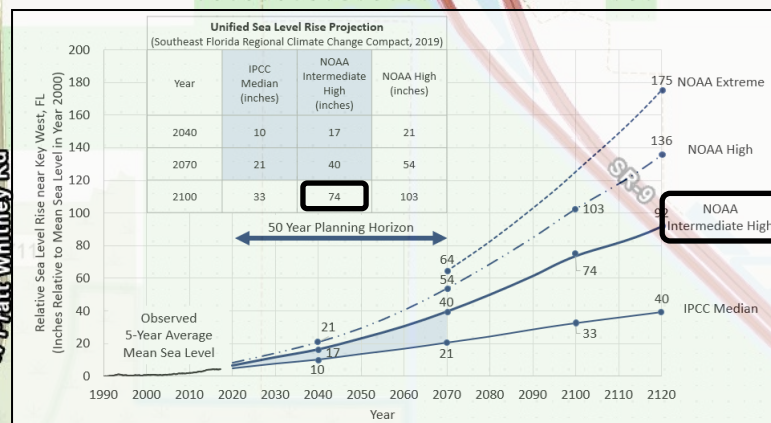
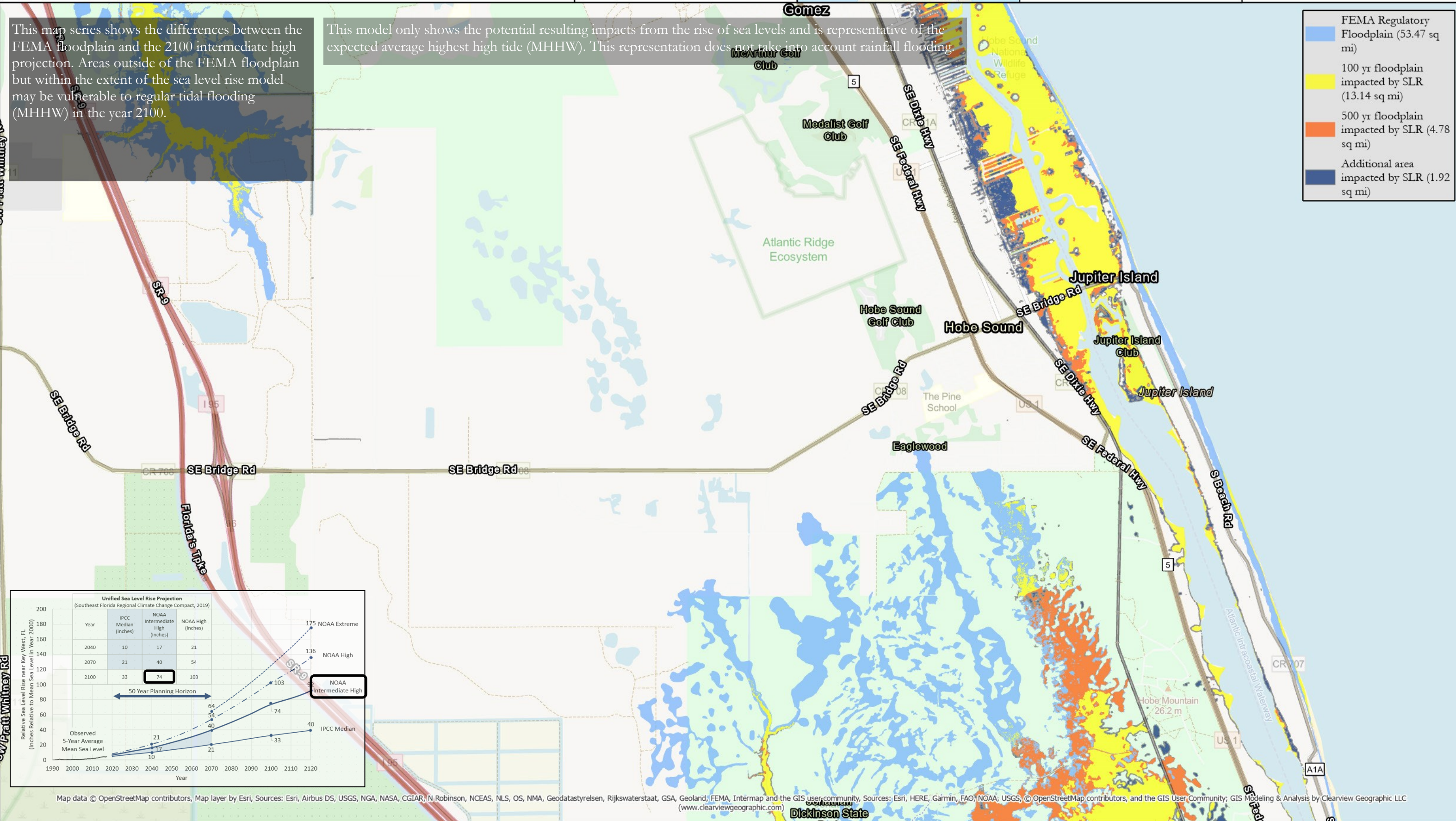
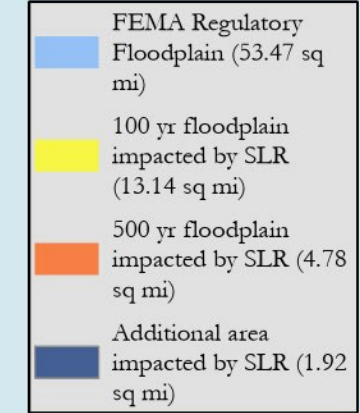
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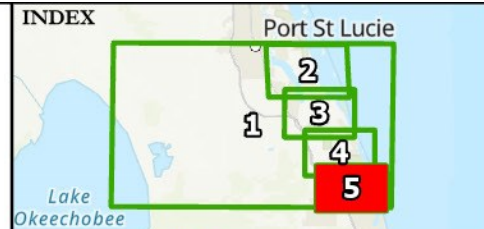
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Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
Page: 5 of 5



PROJECT PARTNERS

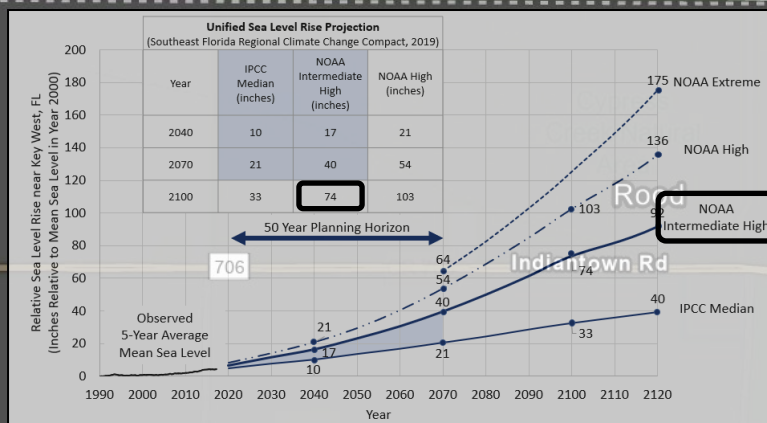
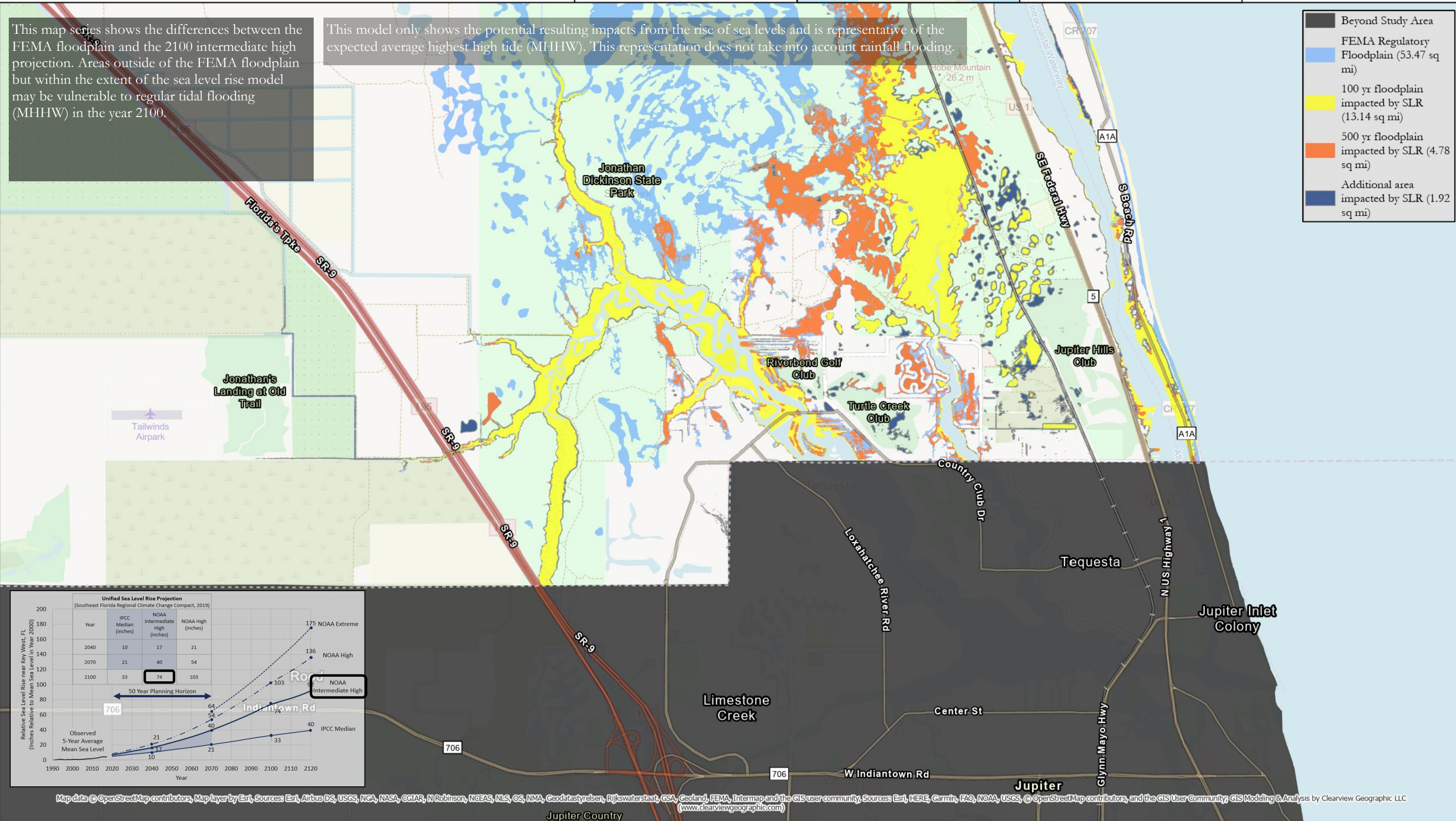


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This map series shows the differences between the FEMA floodplain and the 2100 intermediate high projection. Areas outside of the FEMA floodplain but within the extent of the sea level rise model may be vulnerable to regular tidal flooding (MHHW) in the year 2100.

This model only shows the potential resulting impacts from the rise of sea levels and is representative of the expected average highest high tide (MHHW). This representation does not take into account rainfall flooding.

- Beyond Study Area
- FEMA Regulatory Floodplain (53.47 sq mi)
- 100 yr floodplain impacted by SLR (13.14 sq mi)
- 500 yr floodplain impacted by SLR (4.78 sq mi)
- Additional area impacted by SLR (1.92 sq mi)

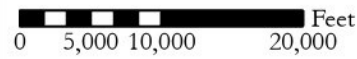


Map data © OpenStreetMap contributors, Map layer by Esri, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatasystem, Rijkswaterstaat, CSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, GIS Modeling & Analysis by Clearview Geographic LLC (www.clearviewgeographic.com)

# Land Use Vulnerability

## R1911 Resiliency Planning Grant

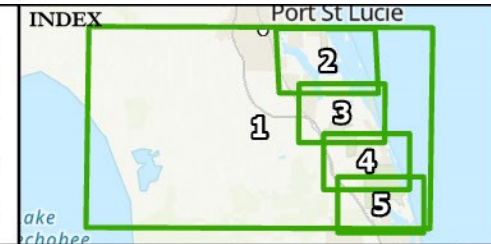
### Martin County, Florida



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Projection: NOAA Intermediate High  
 Year: 2100  
 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
 Page: 1 of 5



#### PROJECT PARTNERS

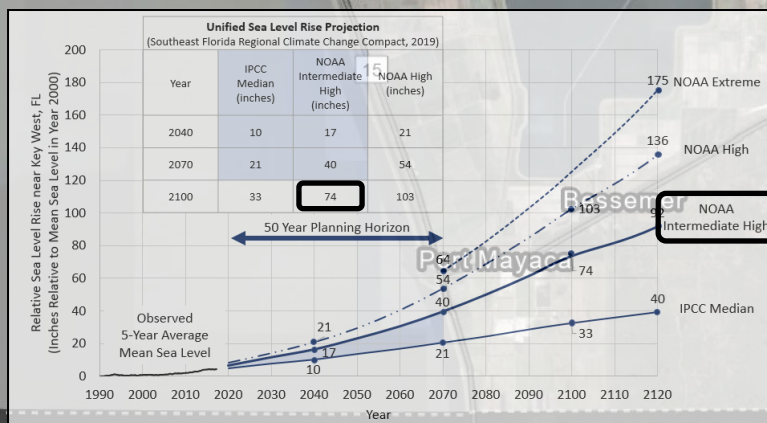
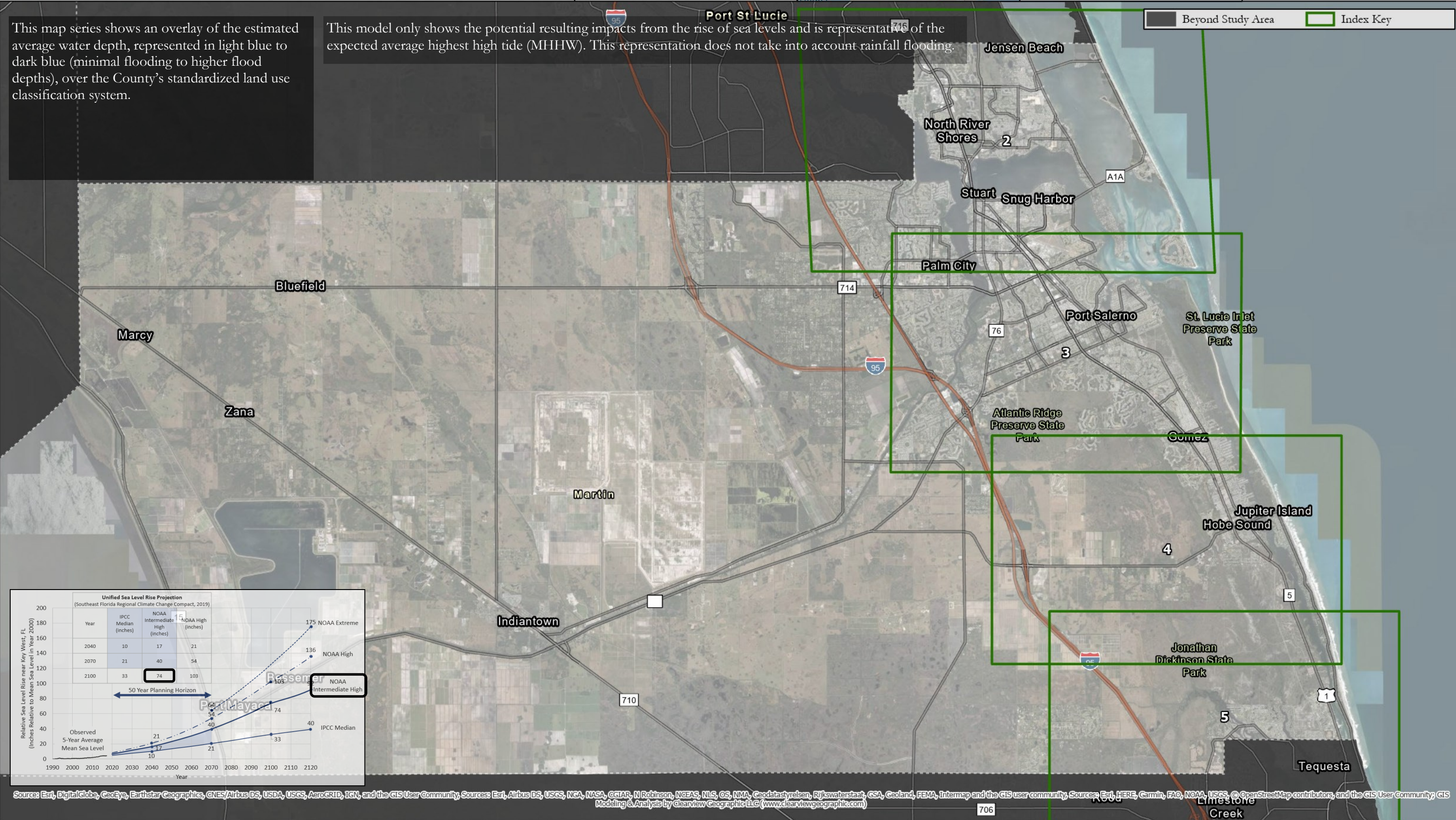


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This map series shows an overlay of the estimated average water depth, represented in light blue to dark blue (minimal flooding to higher flood depths), over the County's standardized land use classification system.

This model only shows the potential resulting impacts from the rise of sea levels and is representative of the expected average highest high tide (MHHW). This representation does not take into account rainfall flooding.

Legend: Beyond Study Area (dashed line), Index Key (green outline)



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NGEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community; GIS Modeling & Analysis by Clearview Geographic LLC (www.clearviewgeographic.com)

# Land Use Vulnerability

## R1911 Resiliency Planning Grant

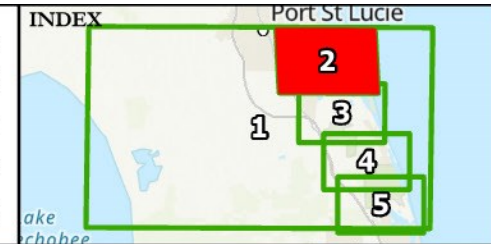
### Martin County, Florida



AClark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
 Year: 2100  
 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
 Page: 2 of 5



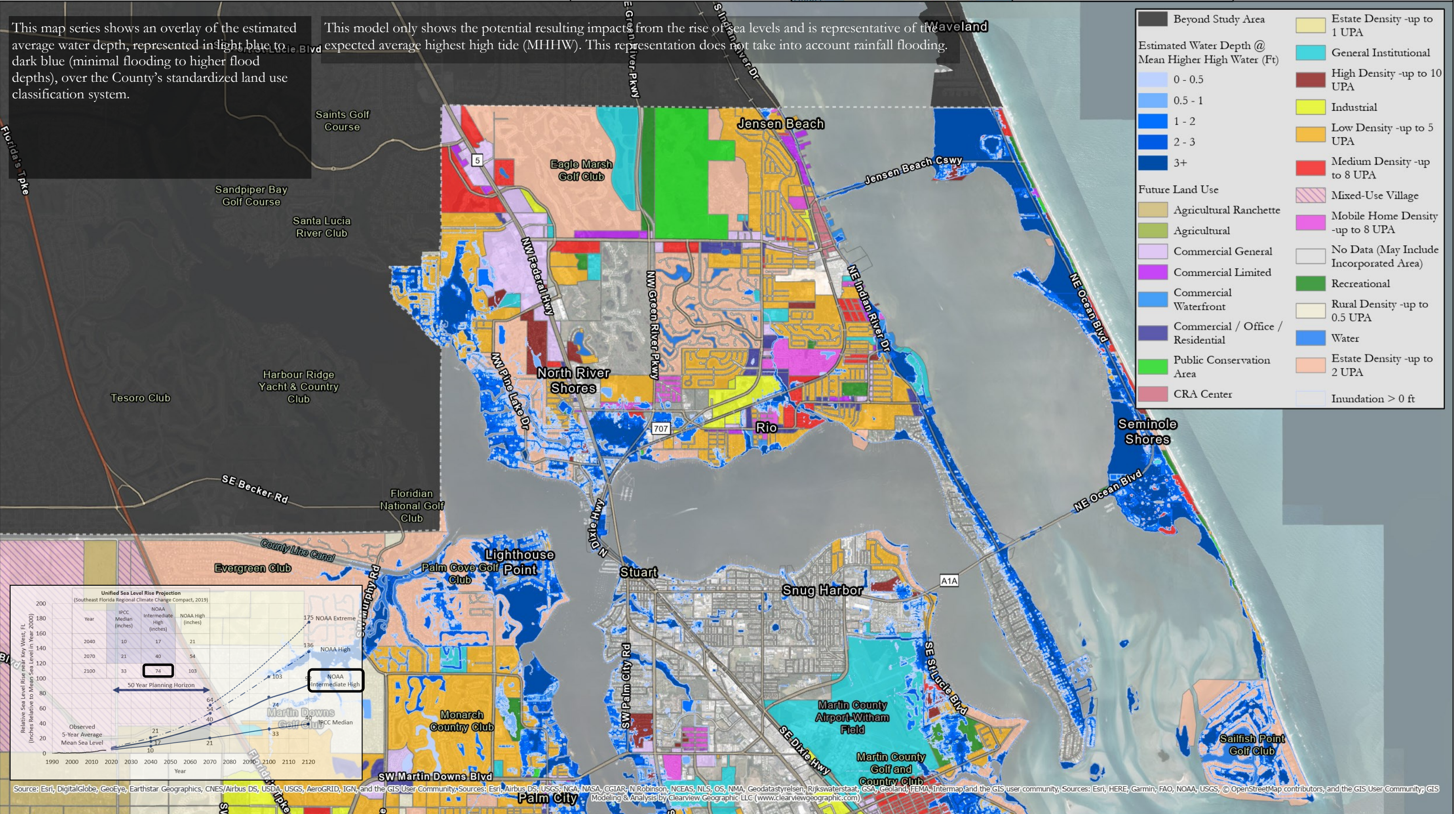
PROJECT PARTNERS



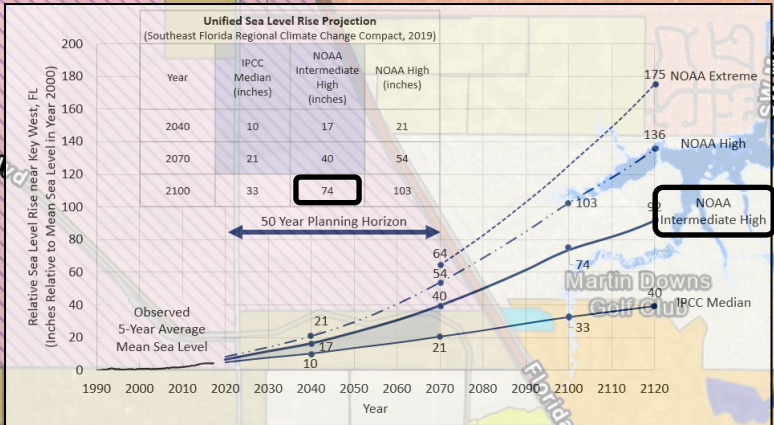
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Beyond Study Area	Estate Density -up to 1 UPA
0 - 0.5	General Institutional
0.5 - 1	High Density -up to 10 UPA
1 - 2	Industrial
2 - 3	Low Density -up to 5 UPA
3+	Medium Density -up to 8 UPA
Agricultural Ranchette	Mixed-Use Village
Agricultural	Mobile Home Density -up to 8 UPA
Commercial General	No Data (May Include Incorporated Area)
Commercial Limited	Recreational
Commercial Waterfront	Rural Density -up to 0.5 UPA
Commercial / Office / Residential	Water
Public Conservation Area	Estate Density -up to 2 UPA
CRA Center	Inundation > 0 ft



This map series was designed for a 11 (h) x 17 (w) paper. Pages or page areas with minimal elements in the legend may have gaps in available GIS data. Additional data collection and verification is recommended. GIS data and its associated representation is provided as-is.

# Land Use Vulnerability

## R1911 Resiliency Planning Grant

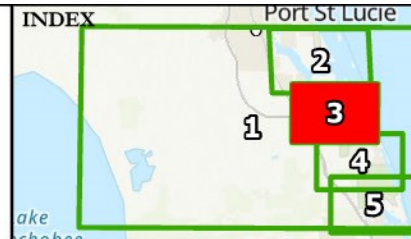
### Martin County, Florida



AClark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
 Year: 2100  
 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
 Page: 3 of 5



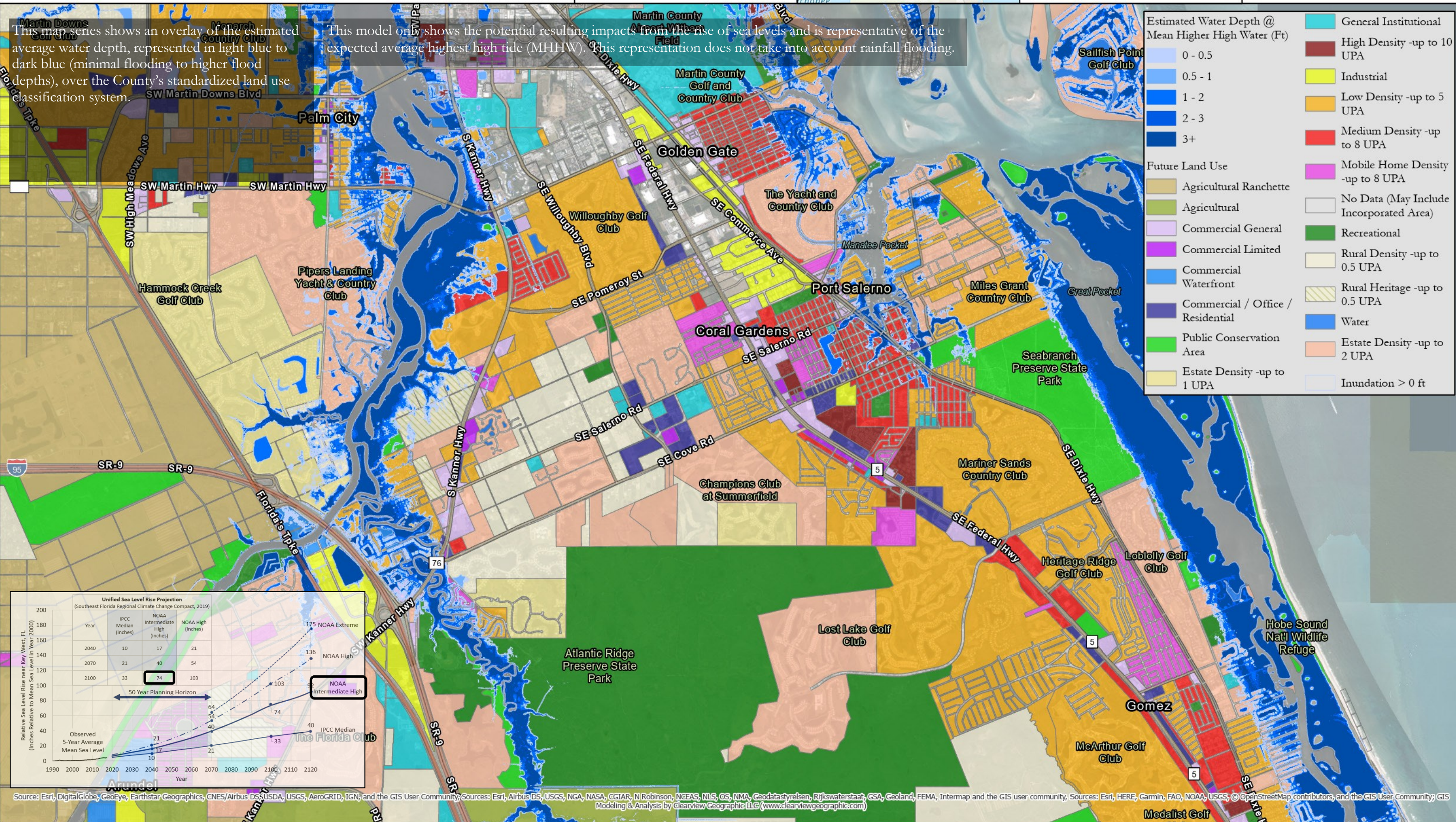
#### PROJECT PARTNERS



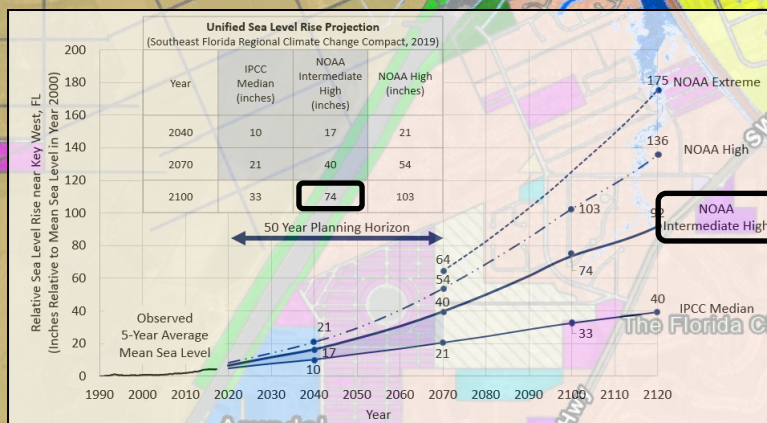
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This map series shows an overlay of the estimated average water depth, represented in light blue to dark blue (minimal flooding to higher flood depths), over the County's standardized land use classification system.

This model only shows the potential resulting impacts from the rise of sea levels and is representative of the expected average highest high tide (MHHW). This representation does not take into account rainfall flooding.



Estimated Water Depth @ Mean Higher High Water (Ft)	
0 - 0.5	General Institutional
0.5 - 1	High Density - up to 10 UPA
1 - 2	Industrial
2 - 3	Low Density - up to 5 UPA
3+	Medium Density - up to 8 UPA
	Future Land Use
	Agricultural Ranchette
	Agricultural
	Commercial General
	Commercial Limited
	Commercial Waterfront
	Commercial / Office / Residential
	Public Conservation Area
	Estate Density - up to 1 UPA
	Mobile Home Density - up to 8 UPA
	No Data (May Include Incorporated Area)
	Recreational
	Rural Density - up to 0.5 UPA
	Rural Heritage - up to 0.5 UPA
	Water
	Estate Density - up to 2 UPA
	Inundation > 0 ft



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community; Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NGEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community; Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community; GIS Modeling & Analysis by Clearview Geographic LLC (www.clearviewgeographic.com)

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# Land Use Vulnerability

## R1911 Resiliency Planning Grant

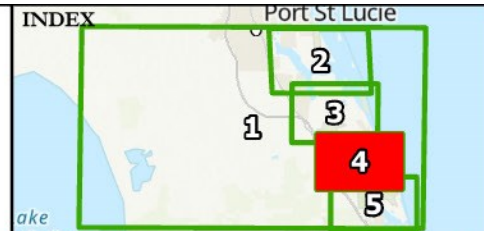
### Martin County, Florida



AClark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
 Year: 2100  
 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
 Page: 4 of 5



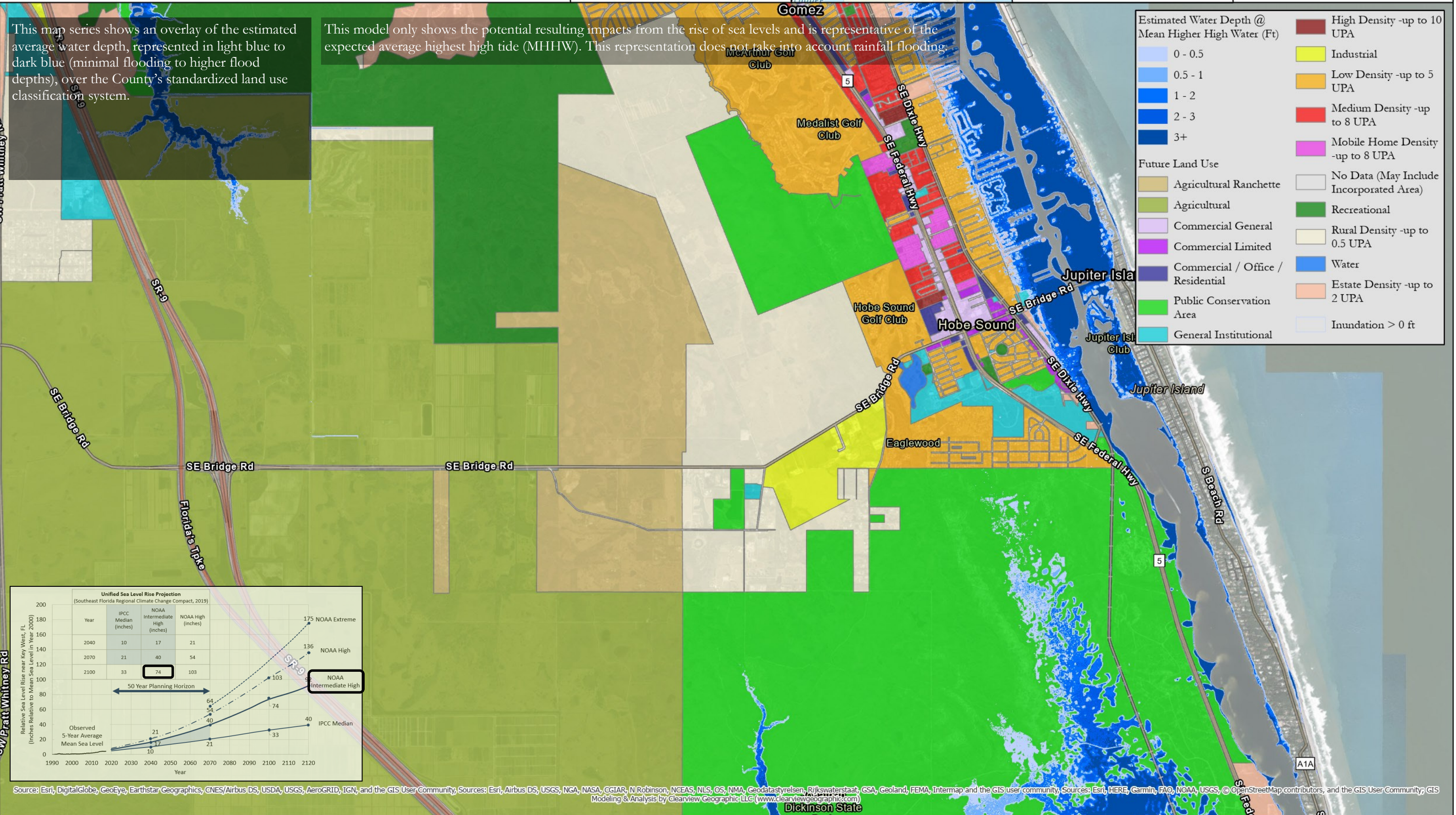
#### PROJECT PARTNERS



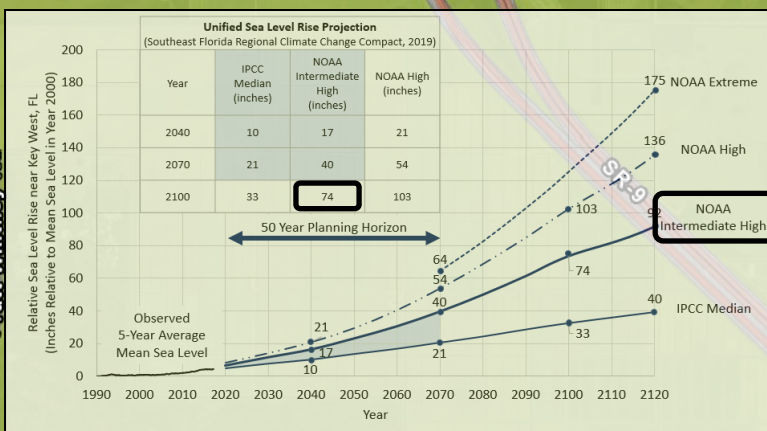
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This map series shows an overlay of the estimated average water depth, represented in light blue to dark blue (minimal flooding to higher flood depths), over the County's standardized land use classification system.

This model only shows the potential resulting impacts from the rise of sea levels and is representative of the expected average highest high tide (MHHW). This representation does not take into account rainfall flooding.



Estimated Water Depth @ Mean Higher High Water (Ft)		Future Land Use	
0 - 0.5	Lightest Blue	Agricultural Ranchette	Light Brown
0.5 - 1	Light Blue	Agricultural	Light Green
1 - 2	Medium Blue	Commercial General	Light Purple
2 - 3	Dark Blue	Commercial Limited	Dark Purple
3+	Darkest Blue	Commercial / Office / Residential	Dark Blue
		Public Conservation Area	Green
		General Institutional	Cyan
		High Density - up to 10 UPA	Dark Red
		Industrial	Yellow
		Low Density - up to 5 UPA	Orange
		Medium Density - up to 8 UPA	Red
		Mobile Home Density - up to 8 UPA	Pink
		No Data (May Include Incorporated Area)	White
		Recreational	Dark Green
		Rural Density - up to 0.5 UPA	Light Yellow
		Water	Blue
		Estate Density - up to 2 UPA	Light Orange
		Inundation > 0 ft	Lightest Blue



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community; GIS Modeling & Analysis by Clearview Geographic LLC (www.clearviewgeographic.com)

# Land Use Vulnerability

## R1911 Resiliency Planning Grant

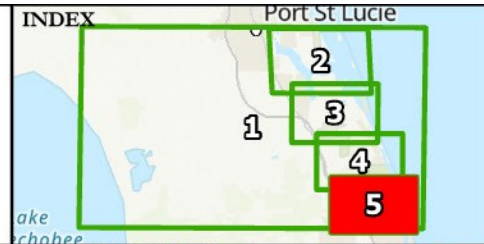
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Projection: NOAA Intermediate High  
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 Water Rise (Inches): Approx. 74  
 Scenario: MHHW  
 Page: 5 of 5



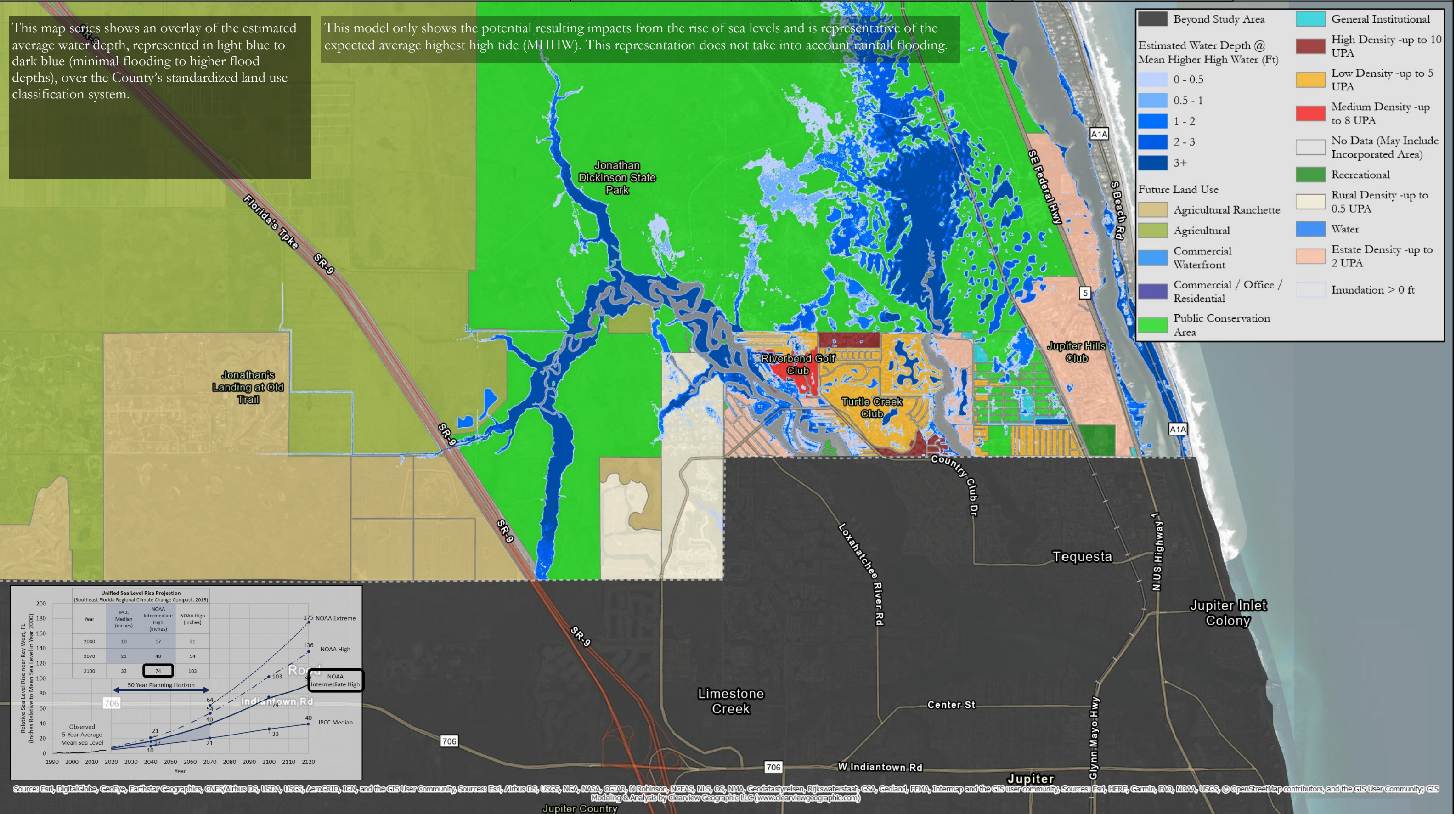
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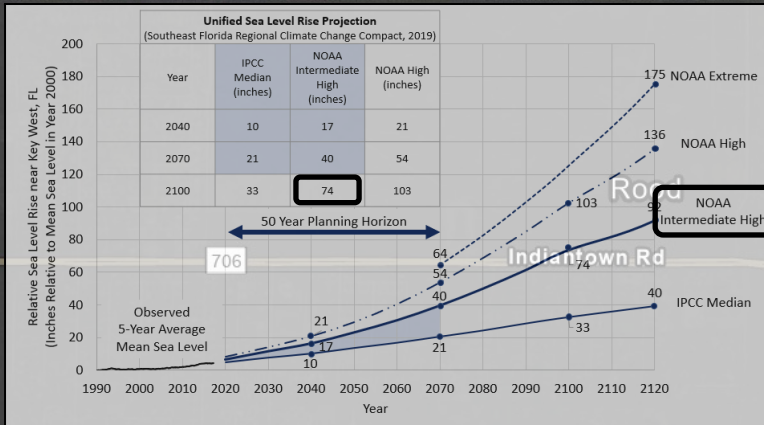
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This model only shows the potential resulting impacts from the rise of sea levels and is representative of the expected average highest high tide (MHHW). This representation does not take into account rainfall flooding.



	Beyond Study Area		General Institutional
	Estimated Water Depth @ Mean Higher High Water (Ft)		High Density -up to 10 UPA
	0 - 0.5		Low Density -up to 5 UPA
	0.5 - 1		Medium Density -up to 8 UPA
	1 - 2		No Data (May Include Incorporated Area)
	2 - 3		Recreational
	3+		Rural Density -up to 0.5 UPA
	Future Land Use		Water
	Agricultural Ranchette		Estate Density -up to 2 UPA
	Agricultural		Inundation > 0 ft
	Commercial Waterfront		
	Commercial / Office / Residential		
	Public Conservation Area		



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community; Sources: Esri, Airbus DS, USGS, INCA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community; Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community; GIS Modeling & Analysis by Clearview Geographic LLC (www.clearviewgeographic.com)

# Stormwater Infrastructure Vulnerability (Cumulative)

R1911 Resiliency Planning Grant  
Martin County, Florida



AClark 06/09/2020 Z:/1836B



Projection: NOAA Intermediate High  
Year: 2100  
Water Rise (Inches): Approx. 74  
Scenario: MHHW  
Page: N/A



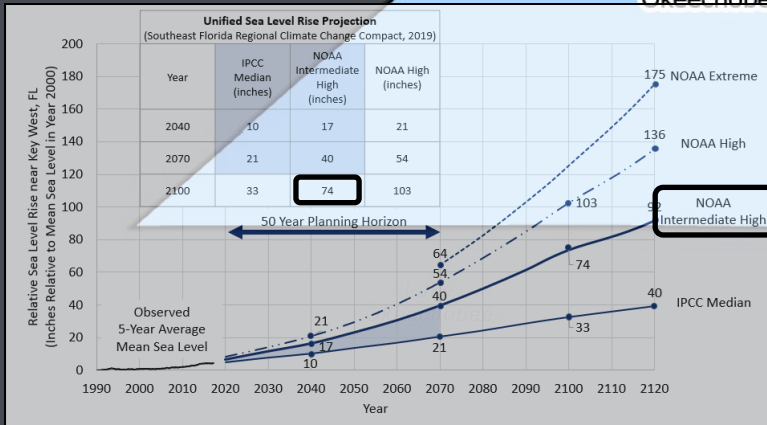
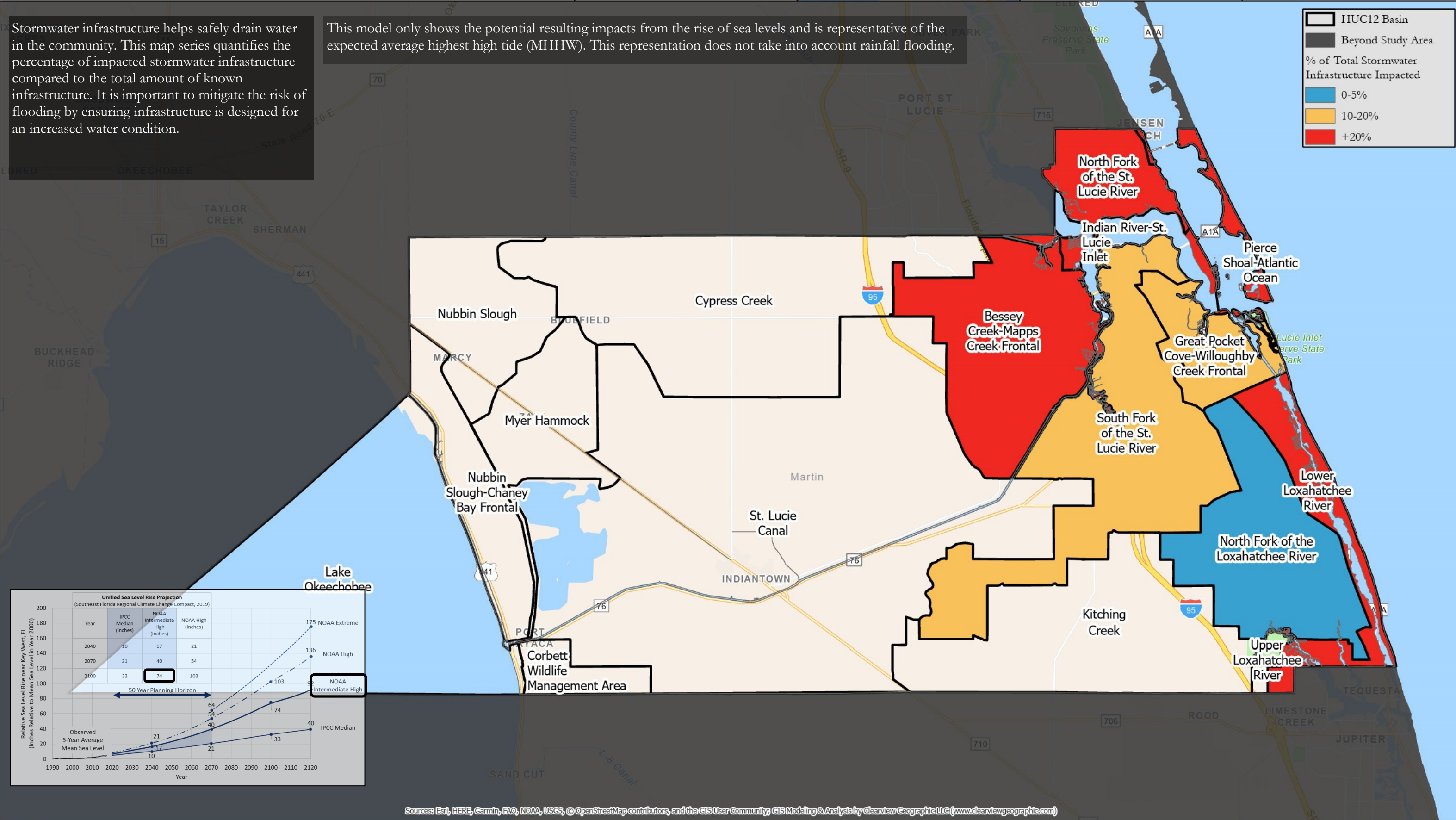
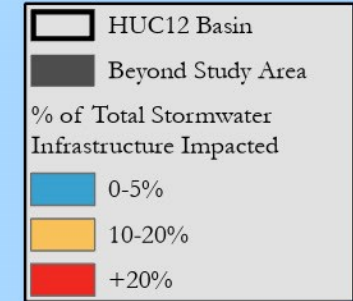
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Stormwater infrastructure helps safely drain water in the community. This map series quantifies the percentage of impacted stormwater infrastructure compared to the total amount of known infrastructure. It is important to mitigate the risk of flooding by ensuring infrastructure is designed for an increased water condition.

This model only shows the potential resulting impacts from the rise of sea levels and is representative of the expected average highest high tide (MHHW). This representation does not take into account rainfall flooding.



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