LiDAR Mapping of Mangrove and Topography

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Mangrove Gap
Gap Identification

Distance (m) vs. Tree Height (m) with key points labeled $D_g$ and $h_T$.
South Florida Topography

Legend
- NS_Profile
- EW_Profile
- Everglades National Park
- County
- DTM (m, NAVD88)
- High: 52
- Low: -1

Graphs showing elevation and distance for different segments of the topography:

- Segments 1, 2, and 3 are highlighted on the map.
- The graphs on the right show elevation changes along the segments.
Inundation Caused by Sea Level Rise

0.5 m

1.0 m

1.5 m
Future Sea Level Rise Scenarios

Sea Level Rise By 2100

- 3.0 m
- 2.5 m
- 2.0 m
- 1.5 m
- 1.0 m
- 0.5 m

Qudratic Shape
Inundation Processes Based on Future Sea Level Rise Scenarios