



Doing Things!

Dunedin Causeway Bridges Project Development & Environment (PD&E) Study – Update

June 12, 2018



Project Location and Limits



Bridge Options

- **No-Build: \$4+M = 13 Years**

Cost includes countermeasures for both bridges



- **Major Rehabilitation: \$31+M = 25 Years**

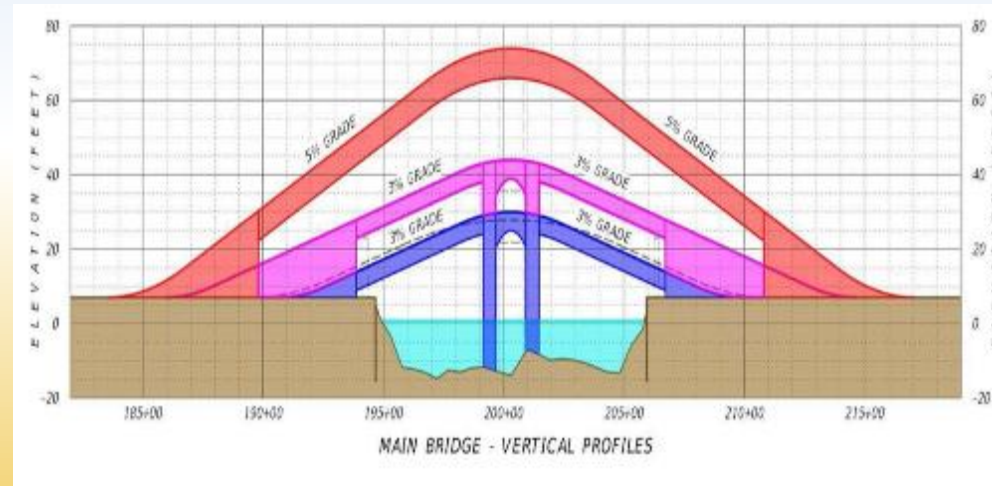
- Additional Service Life: 25 years (to 2045)
- Not presented to public as a viable alternative
 - Does not meet transportation/recreational needs of the community
 - Does not address the functionally obsolete bridge geometry

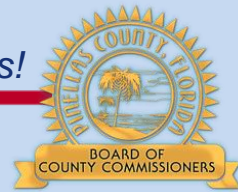
Cost includes \$25.1 million for main bascule bridge and \$6.2 million for the tide relief bridge

- **Replacement = 75 Years**

- Main Bridge
 - High-Level Fixed = \$60+M
 - Mid-Level Movable = \$81+M
 - Low-Level Movable = \$77+M

Costs include replacement of the tide relief bridge





Alternatives Cost/Service Life

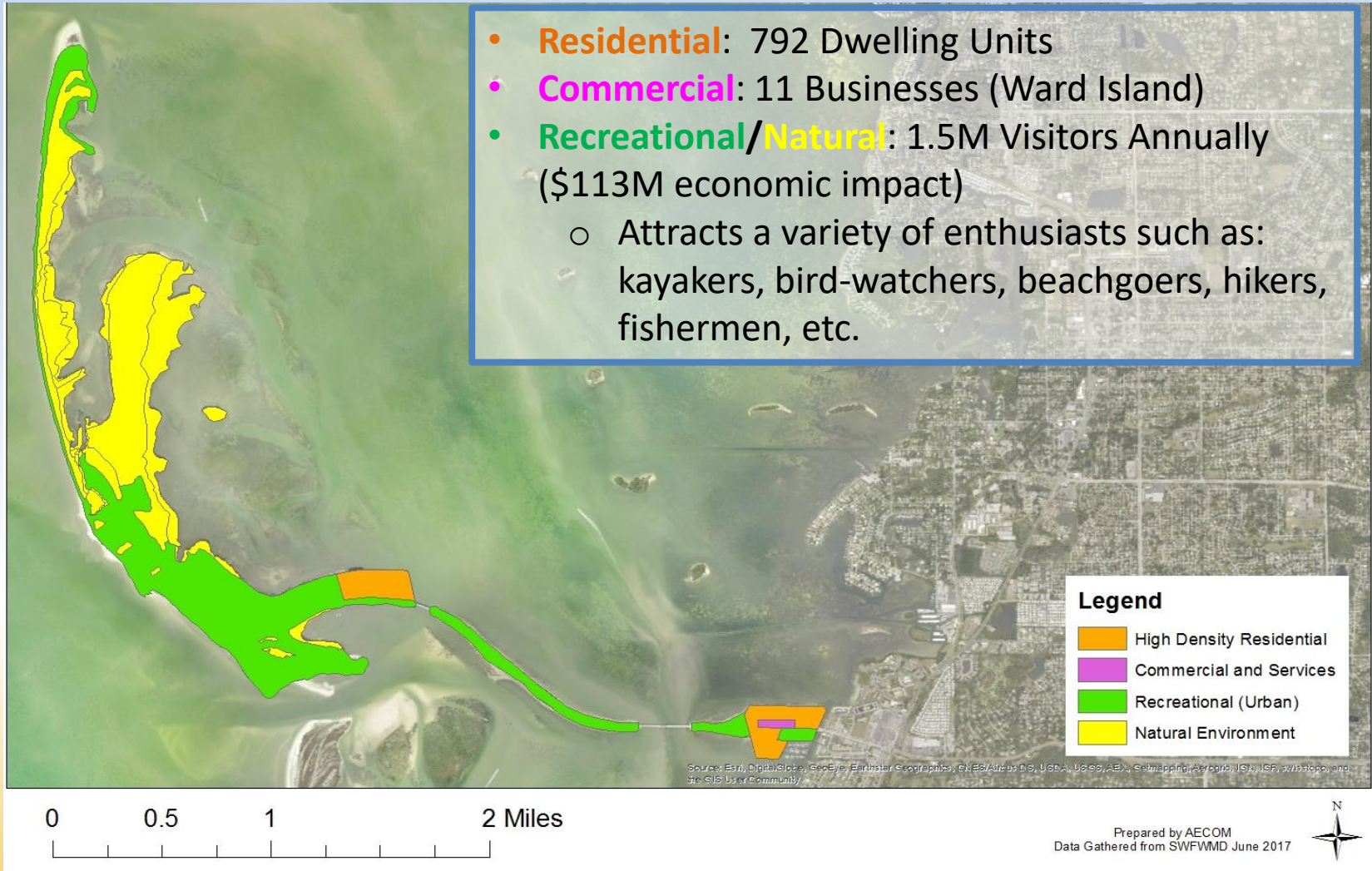
Alternative	Cost	Annual O&M	Service Life
No-Build	\$4.0 M*	\$303 K	13 years
Rehabilitation	\$31.3 M**	\$228 K	25 years
Replacement (Low Level Movable)	\$77.0 M***	\$230 K	75 years
Replacement (Mid-level Movable)	\$81.2 M***	\$231 K	75 years
Replacement (Fixed)	\$60.0 M***	\$9.3 K	75 years

*Cost includes \$4.0 million in scour countermeasures for both bridges.

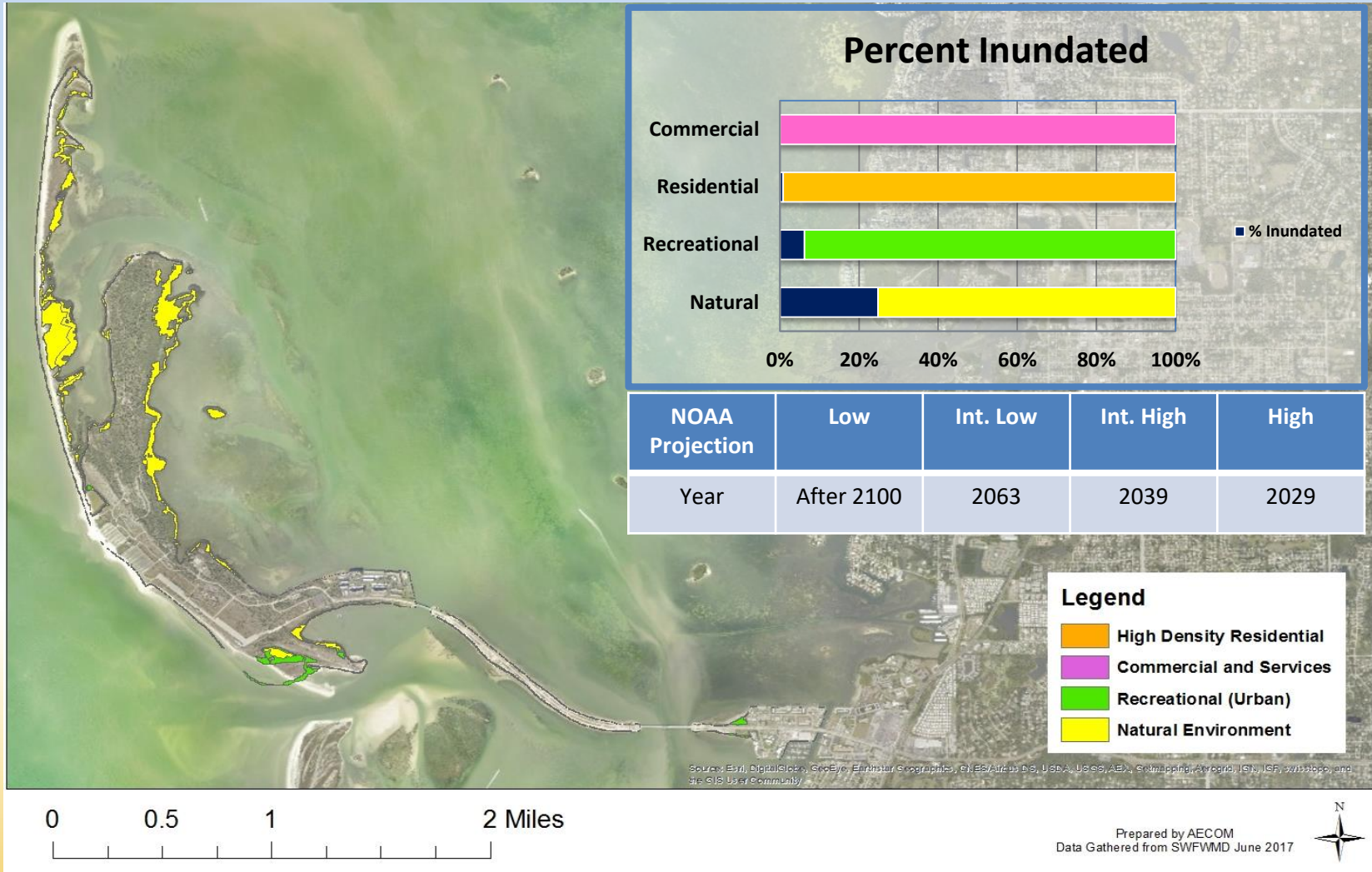
** Cost includes \$25.1 million for rehabilitation of Main Bascule bridge and \$6.2 million for rehabilitation of the Tide Relief bridge.

***Cost includes \$9.3 million for replacement of the Tide Relief bridge.

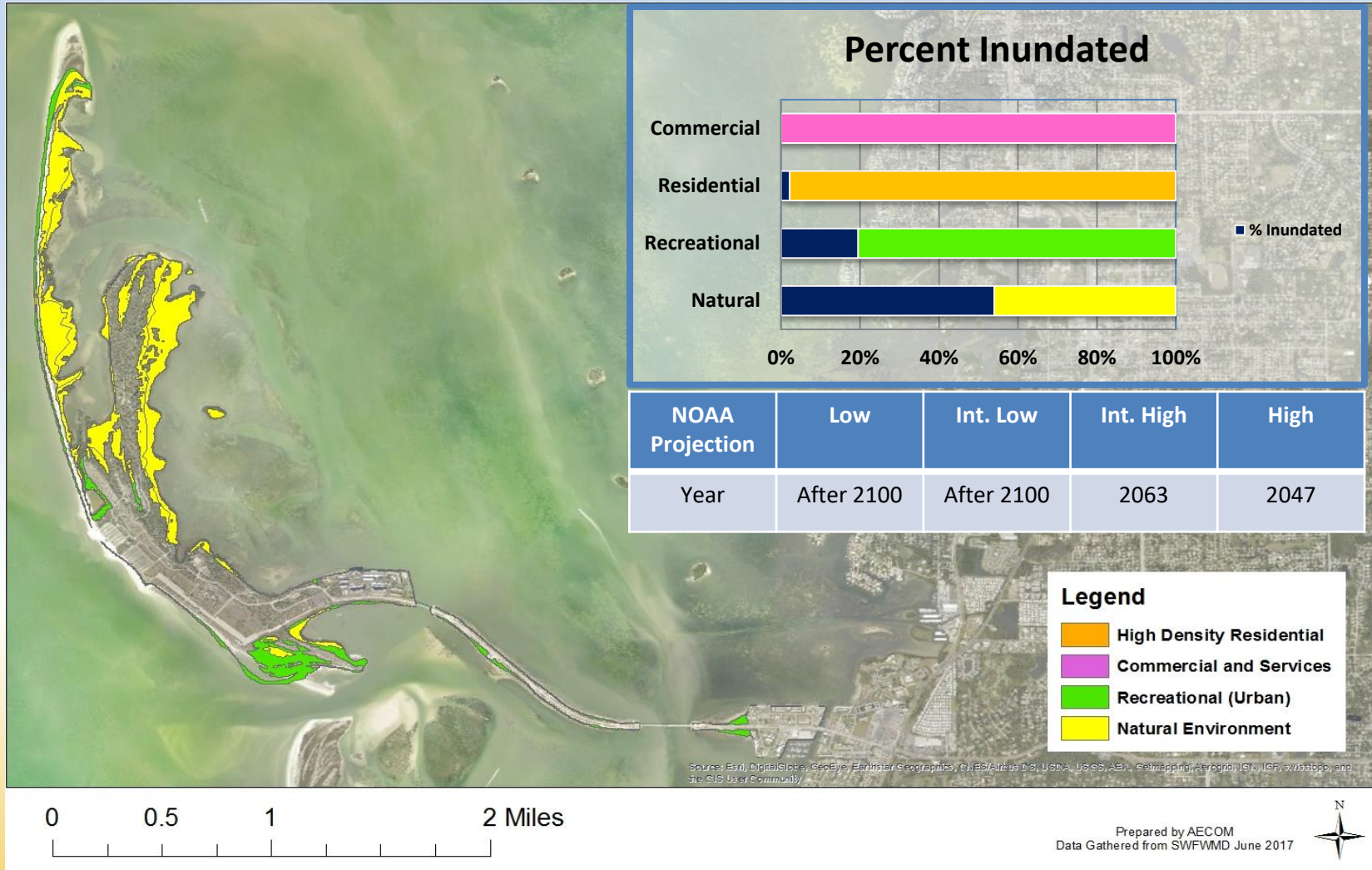
Land Use



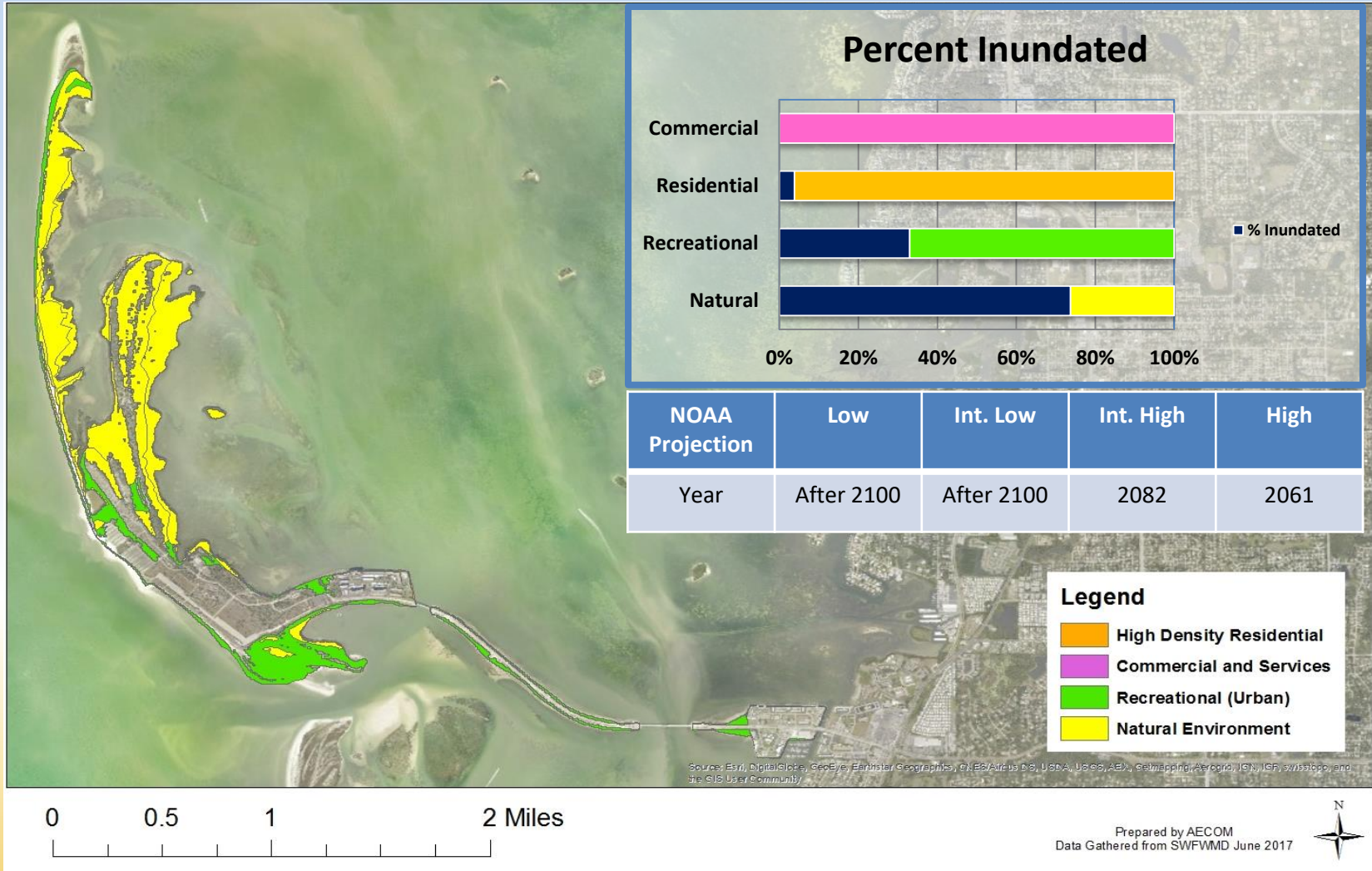
Land Use Impact: 1 Foot SLR



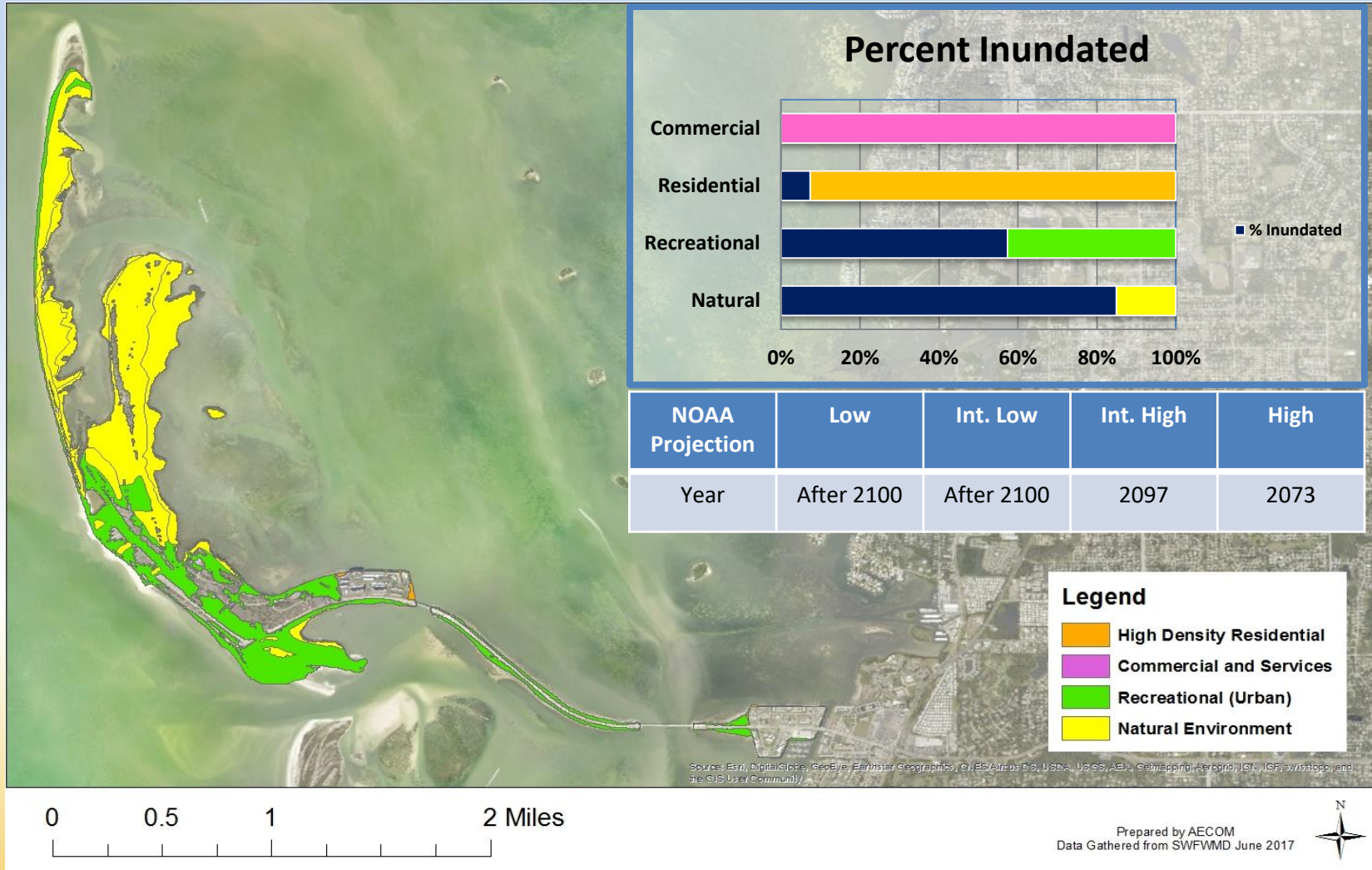
Land Use Impact: 2 Feet SLR



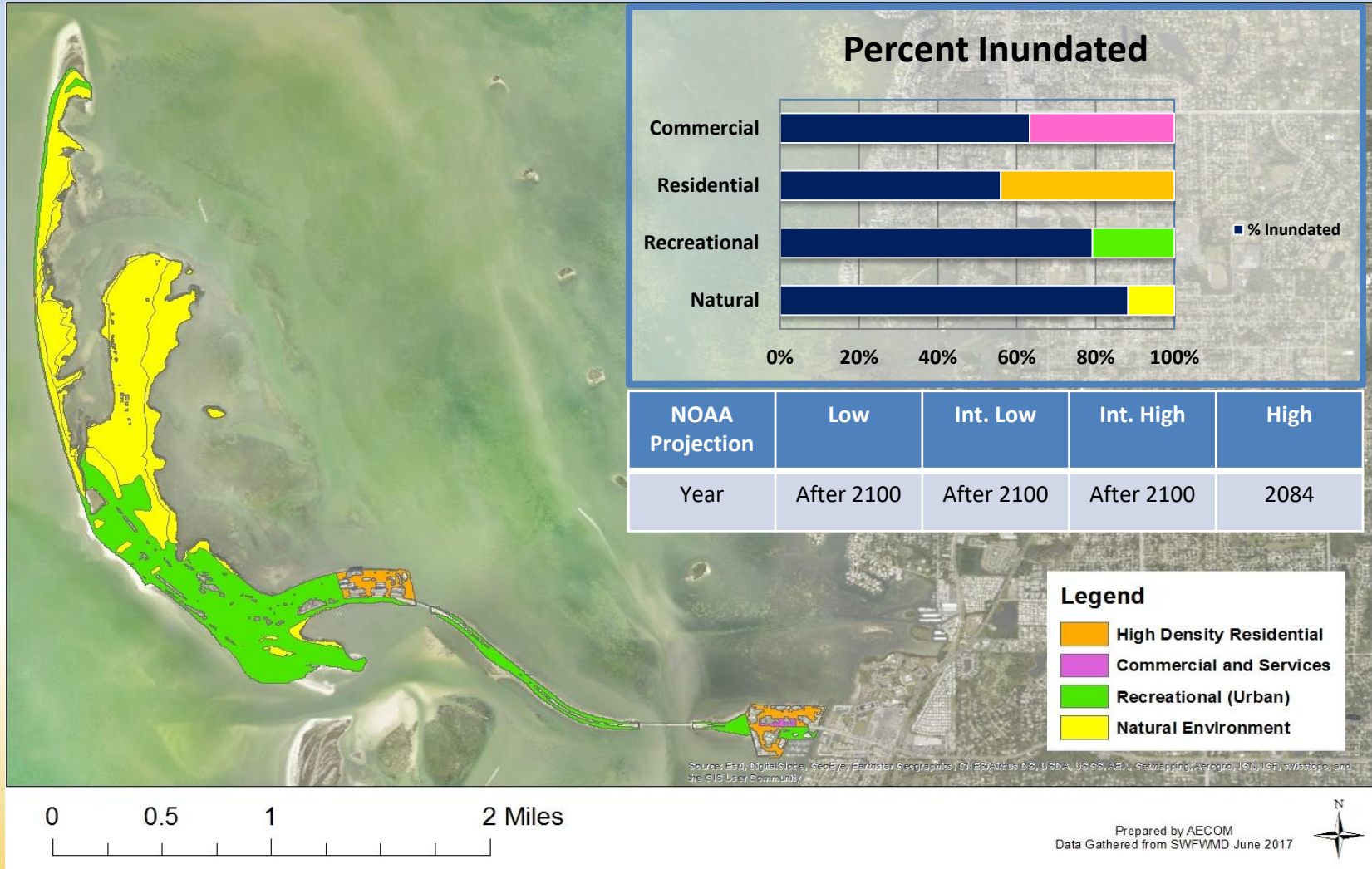
Land Use Impact: 3 Feet SLR



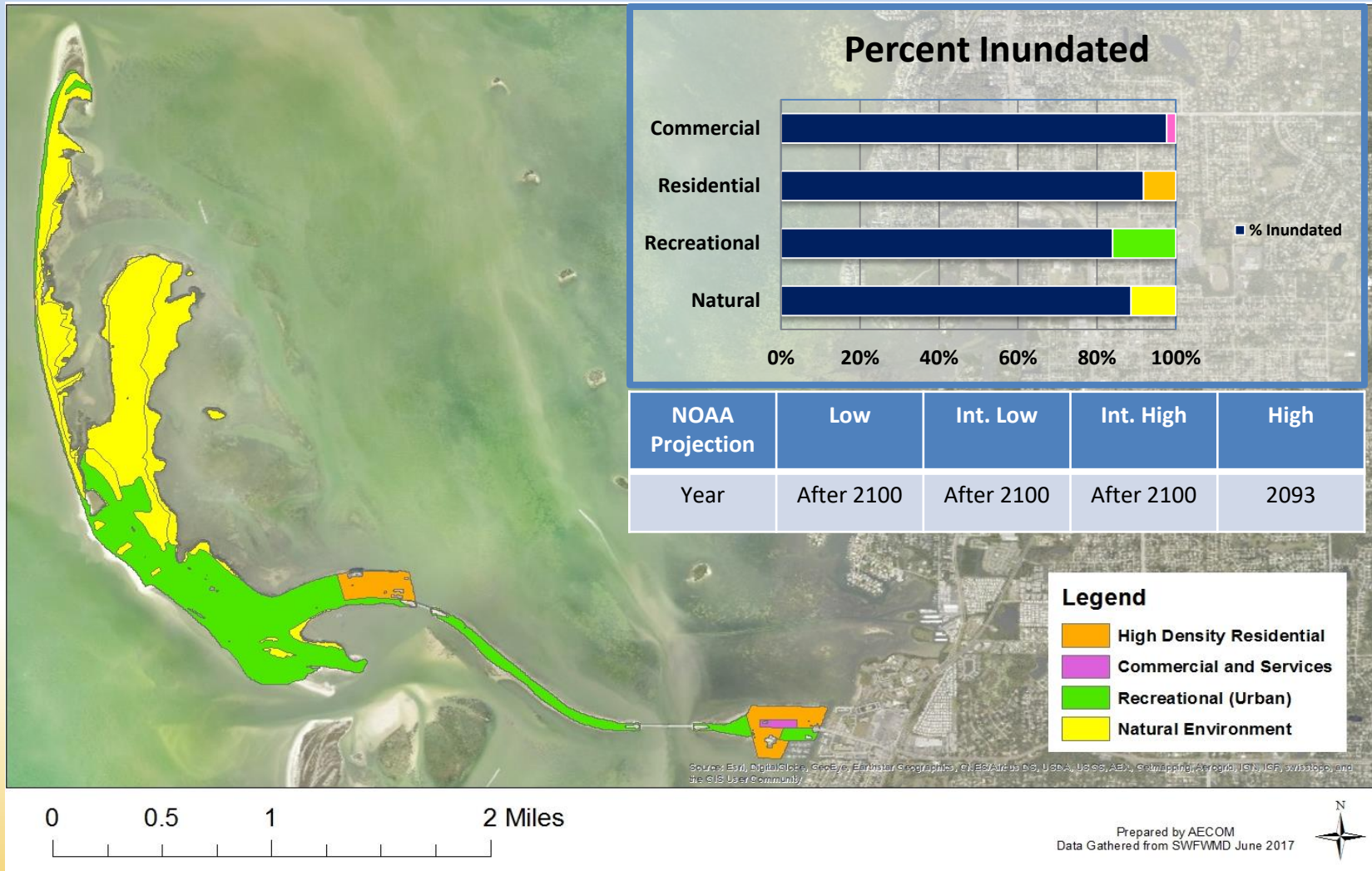
Land Use Impact: 4 Feet SLR



Land Use Impact: 5 Feet SLR



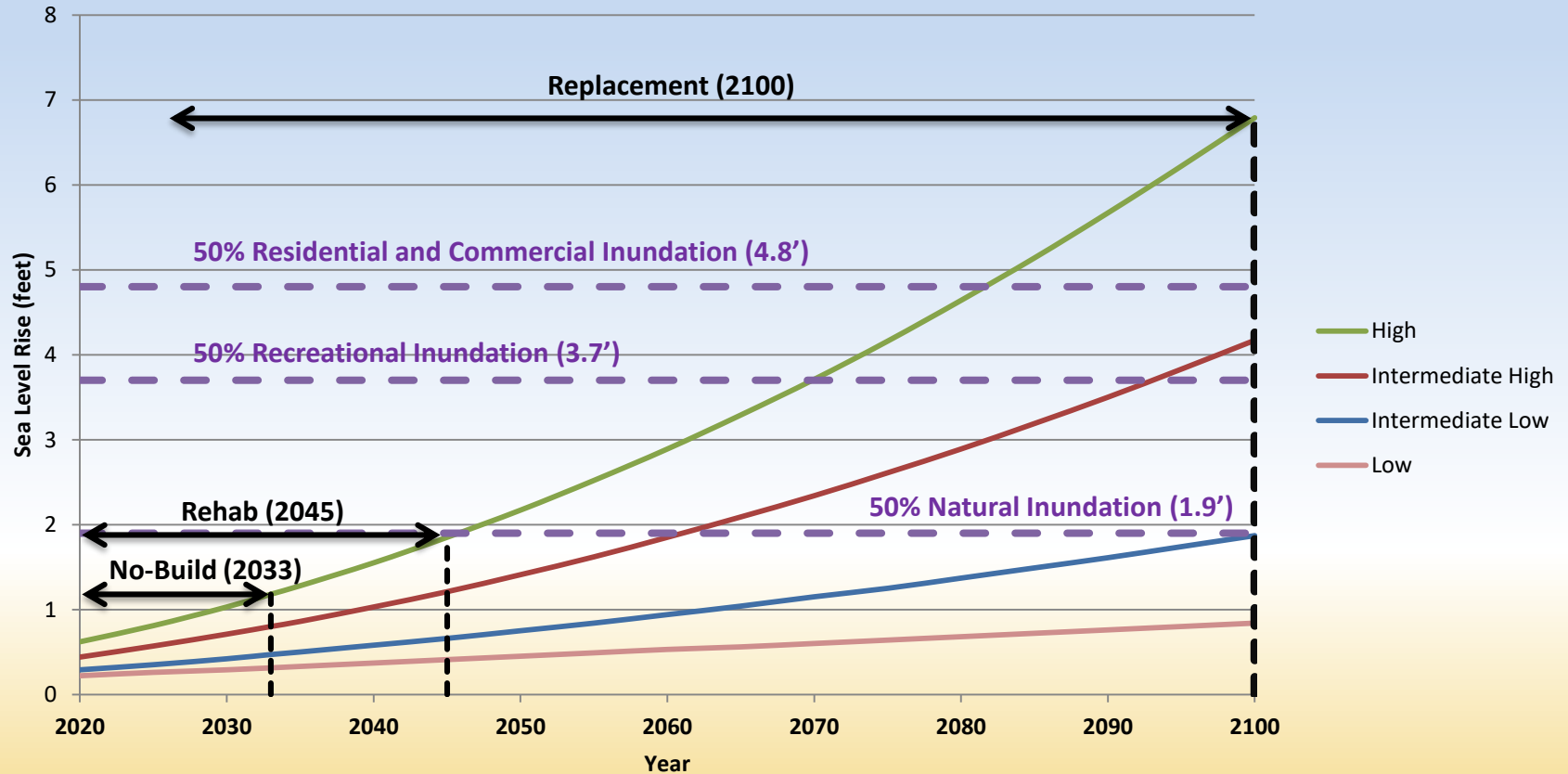
Land Use Impact: 6 Feet SLR





Sea Level Rise Projections Summary

SLR Scenario / Year



Current Project Status

■ Construction Schedule:

- Anticipate construction funding in Penny IV

■ Stakeholder Preferred Alternatives

• Mid-Level Movable Bridge Alternative

- Dunedin Causeway Ad Hoc Committee
- Dunedin City Commission
- General Public

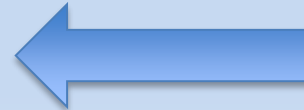
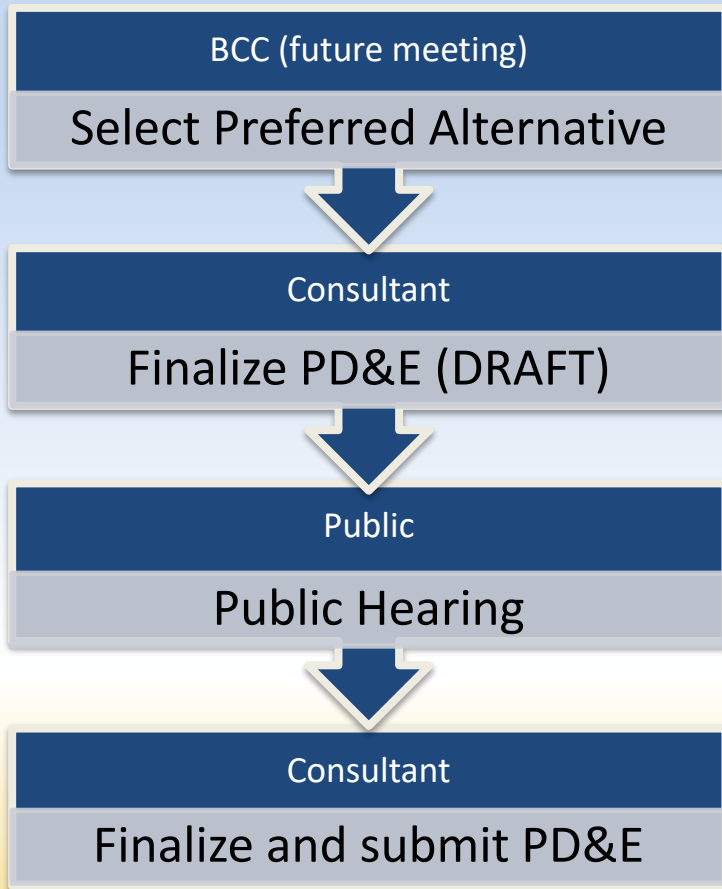
• High-Level Fixed Bridge Alternative

- Pinellas MPO Bicycle/Pedestrian Action Committee

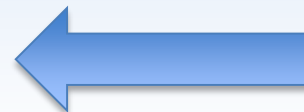


- ## ■ Pinellas BCC work session SLR Presentation & Project Update June 12, 2018: Recommendation to finish PD&E Study with Mid-Level Movable Bridge Alternative.

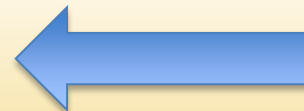
Process for next steps



**No funding obligation
to build preferred
alternative**



Inform public



Approved PD&E
needed to seek grants

Doing Things!

Questions?