



NAVFAC

Naval Facilities Engineering Systems Command

NAVFAC SOUTHEAST

Installation Physical Resilience

NAVFAC SE Industry Day

09 DEC 2024

Installation Physical Resilience

- 10 USC § 2864 - Requires major military installations to develop a master plan which addresses installation resilience including the risk of:
 - Extreme Weather Events Mean sea level fluctuation
 - Wildfires Flooding
 - Other environmental conditions
- 10 USC § 2815 - Requires the DOD to carry out military construction projects for military installation resilience
 - On military installations On facilities used by the DOD
 - Outside of military installations if the project would preserve or enhance the resilience of military installations, or community infrastructure necessary to maintain, improve, or rapidly reestablish the mission of installations.
- 10 USC § 2815a – Allows the DOD to carry out stormwater management projects related to military installation resilience.
- Senator Rubio has proposed an amendment to 10 USC § 2815a specifically allowing shoreline erosion control projects.

Coastal Flooding Resilience

- Coastal beaches and dunes provide protection to shore facilities.
- Projects underway at NAS Key West and NAVSTA Mayport.
- Restored native vegetation support dune growth.



Riverian Flooding Resilience



- Wave energy and elevated water levels cause shoreline erosion.
- Stabilize the shoreline and reduce erosion.
- Projects completed/underway at NSA Panama City, NAVSTA Mayport, NAS Key West, NAS Pensacola, NAS Corpus Christi and NAS Jacksonville

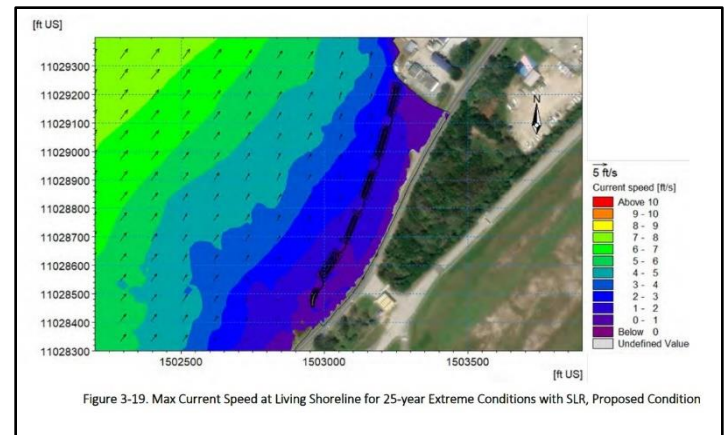
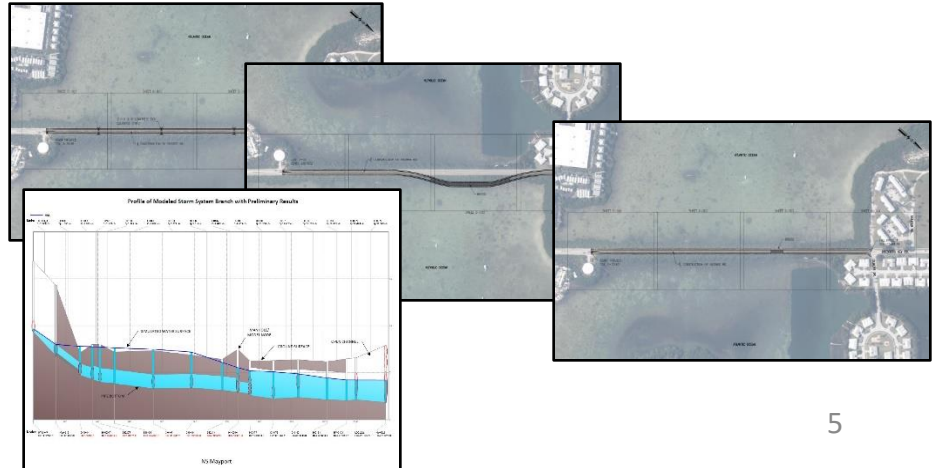


Figure 3-19. Max Current Speed at Living Shoreline for 25-year Extreme Conditions with SLR, Proposed Condition

Stormwater Flooding Adaptation

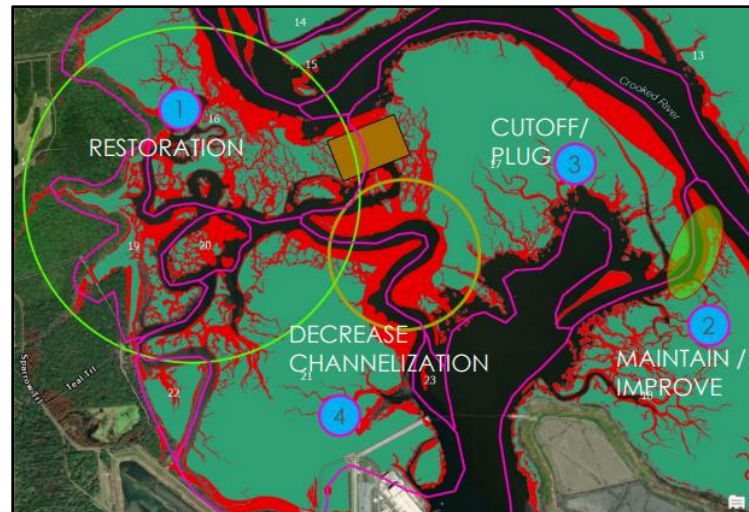
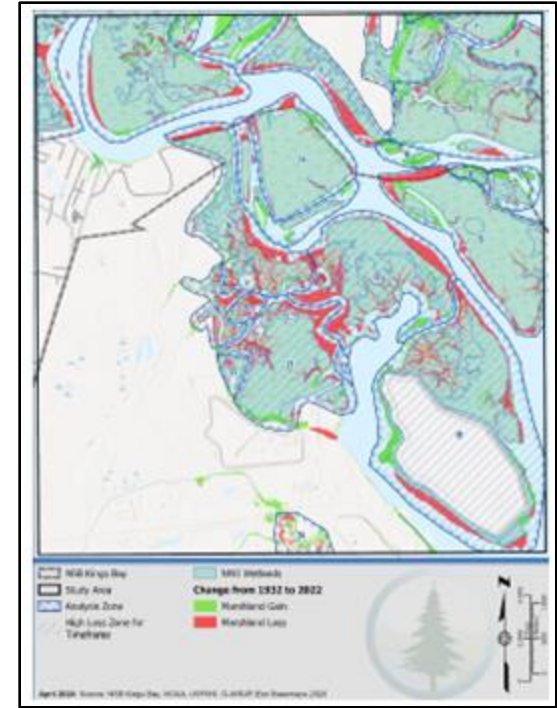


- Coastal and low laying areas experience flooding during intense rainfall and higher than usual tides.
- Develops strategies to reduce the severity of flooding.
- Projects underway at NSA Panama City, NAVSTA Mayport, NCBC Gulfport, NSA MidSouth and NAS Key West.



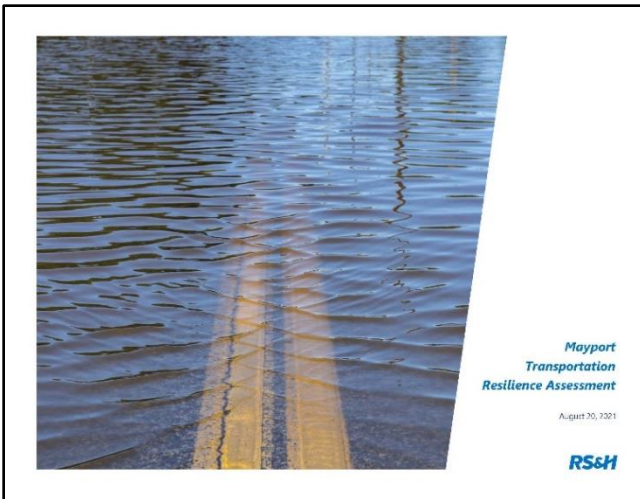
Mission Resilience

- Planning mission sustainment actions that are both cost and environmentally sustainable.
- NAVFAC SE is working with our federal, state and local partners, NGO, and industry to develop plans to assure mission resilience.
- Project are underway across NAVFAC SE, in particular at SUBASE Kings Bay



Community Resiliency

- The communities where Navy personnel live and work are critical to mission success.
- NAVFAC SE is working with communities to assure their resilience through grants and joint project planning.
- Project are completed/underway at NAVSTA Mayport, NSA Panama City and NAS Corpus Christi.



Installation Physical Resilience – Industry Support

- The Chief of Naval Operations, Navigation Plan 2024 highlights the importance of shore infrastructure as the foundation for successfully generating and sustaining a ready force.
- In conjunction with our industry partners and with a sense of urgency, we must plan, design and execute projects that assure that installations can resiliently perform their mission, today and in the future.
- Understanding regulatory requirements and designing projects that can be authorized without repeated reviews is the only way to achieve timely execution of resilience projects.
- The timeliness of resilience projects can only be achieved by increasing partnerships between DON, industry, regulators, and NGOs.

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