



Coastal Resiliency and Florida's Beach Management Programs

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Division of Water Resource Management

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Value of Beach & Dune Systems



- **Protective Barrier**
- **Wildlife Habitat**
- **Public Recreation and Tourist Revenue**

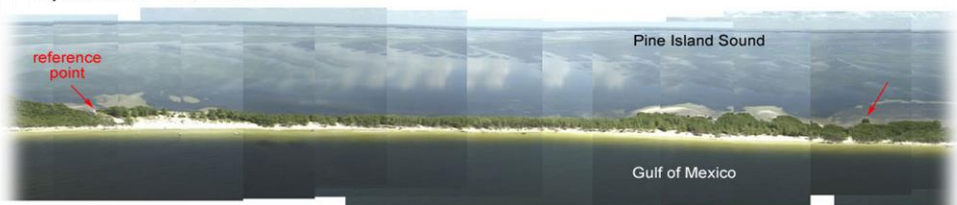


What Causes Beach Erosion?

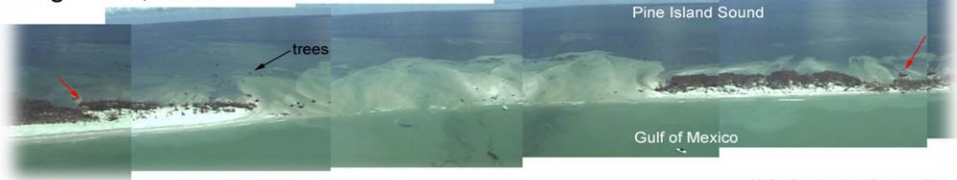
- Improved inlets
- Storms
- Improperly sited structures and infrastructure



North Captiva Island, FL
September 29, 1999



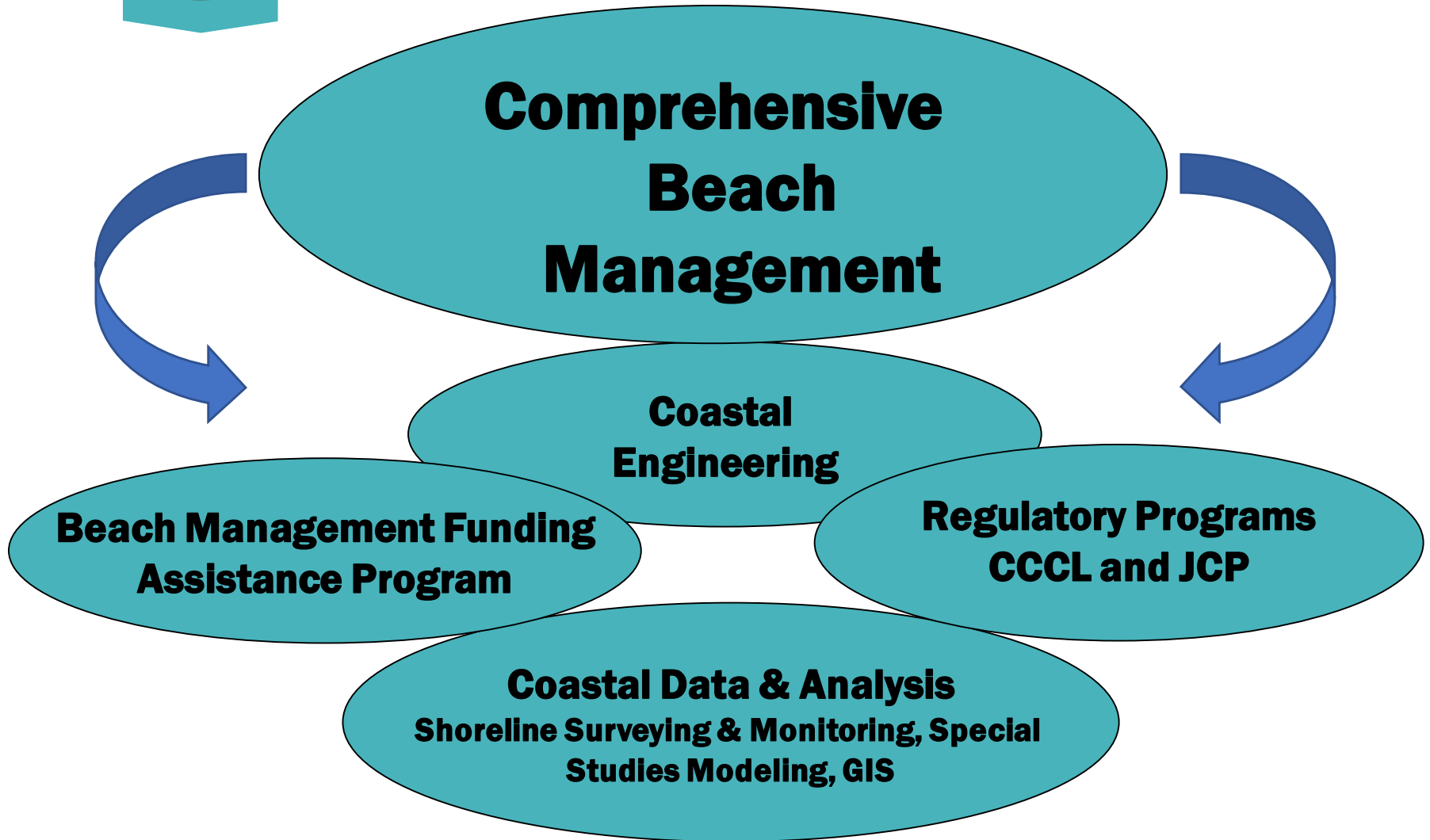
August 15, 2004



U.S. Geological Survey Photo



Required Expertise





Critically Eroded Beaches Report

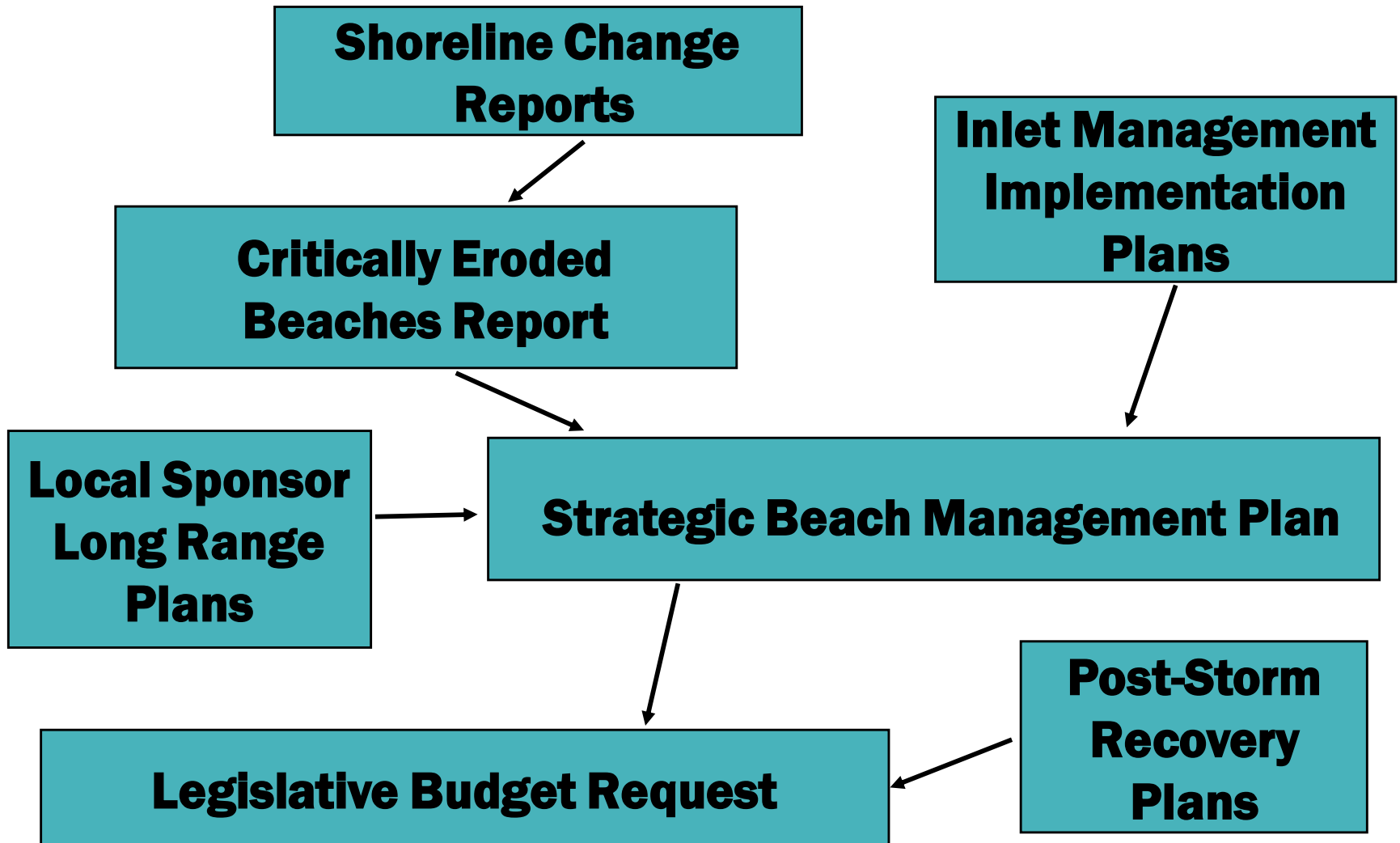
Updated Annually

- **825 miles of sandy beaches**
- **419.6 miles critically eroded**
- **231.3 miles managed**
- **45 percent vulnerable**





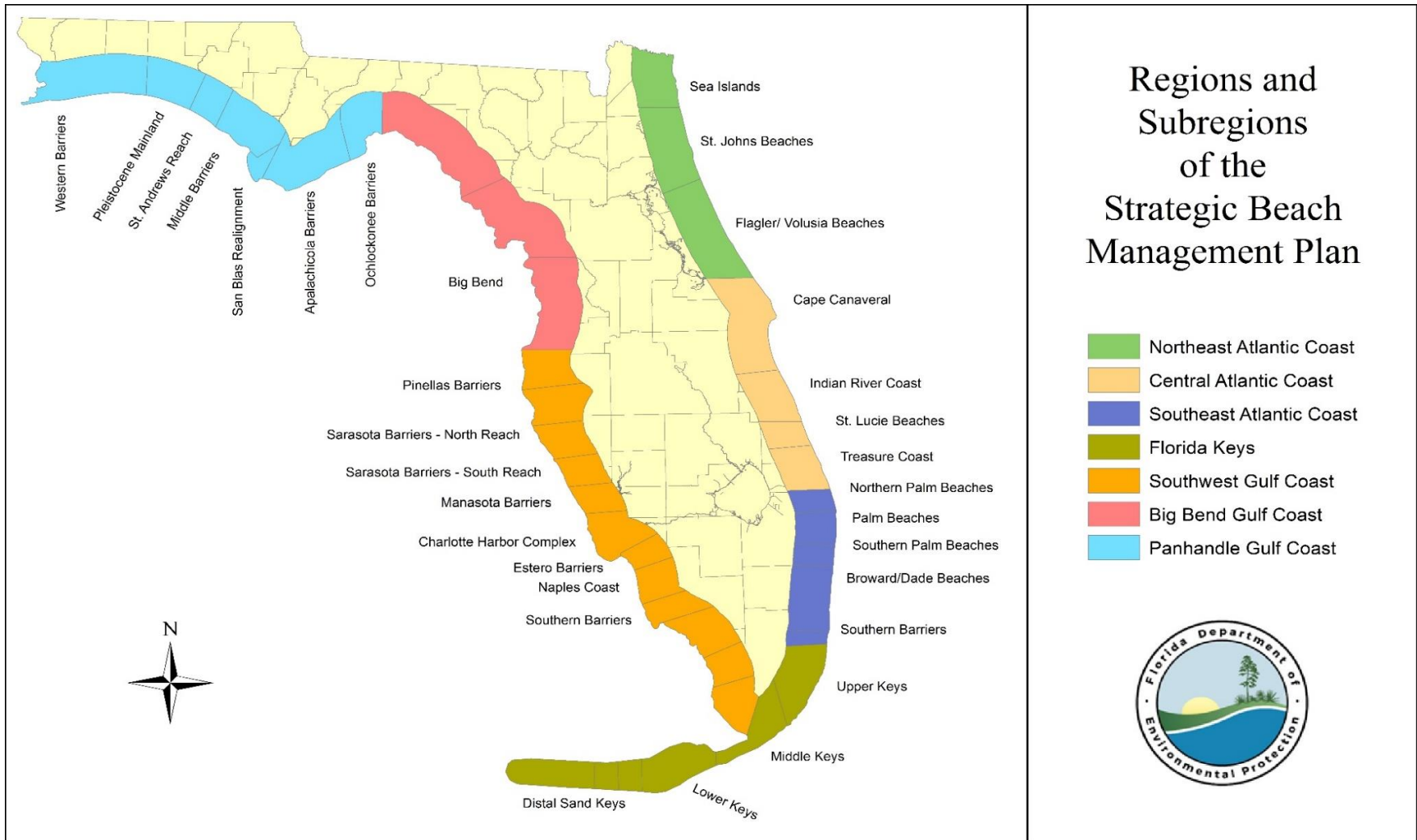
Evaluate Data





Strategic Beach Management Plan

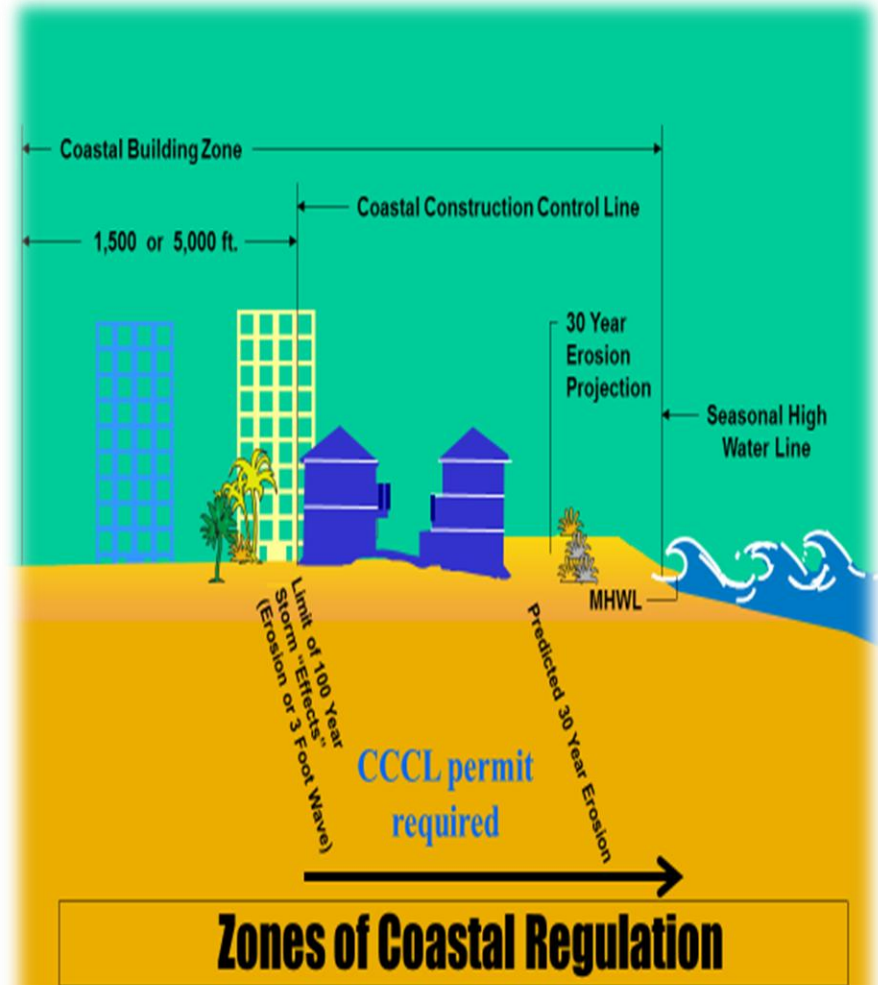
<https://floridadep.gov/water/beaches-inlets-ports/content/strategic-planning-and-coordination#SBMP>





Coastal Construction Control Line Permitting

- **CCCL - jurisdictional limits for construction activities which require DEP authorization**
- **Protection of beach and dune system from poor construction practices**
- **Regulation helps minimize impacts as well as protect upland structures and private property**





Before and After Hurricane Opal





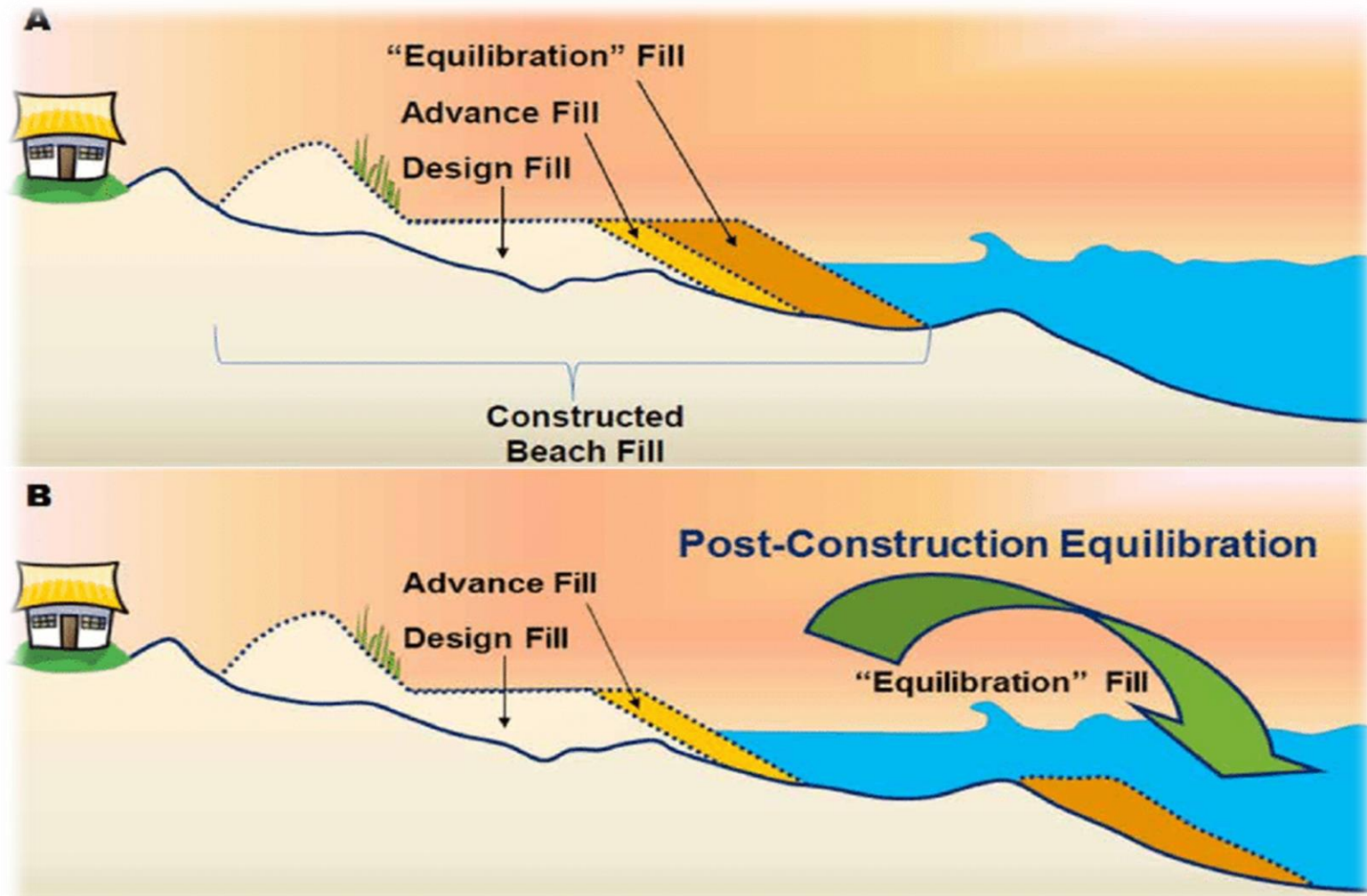
Beaches, Inlets & Ports Permitting

Joint Coastal Permitting (JCP)

- **Beach restoration (first-time placement of sand)**
- **Beach nourishment (subsequent placement)**
- **Beach disposal of dredged material from navigation projects**
- **Shore protection structures (groins & jetties)**
- **Piers**

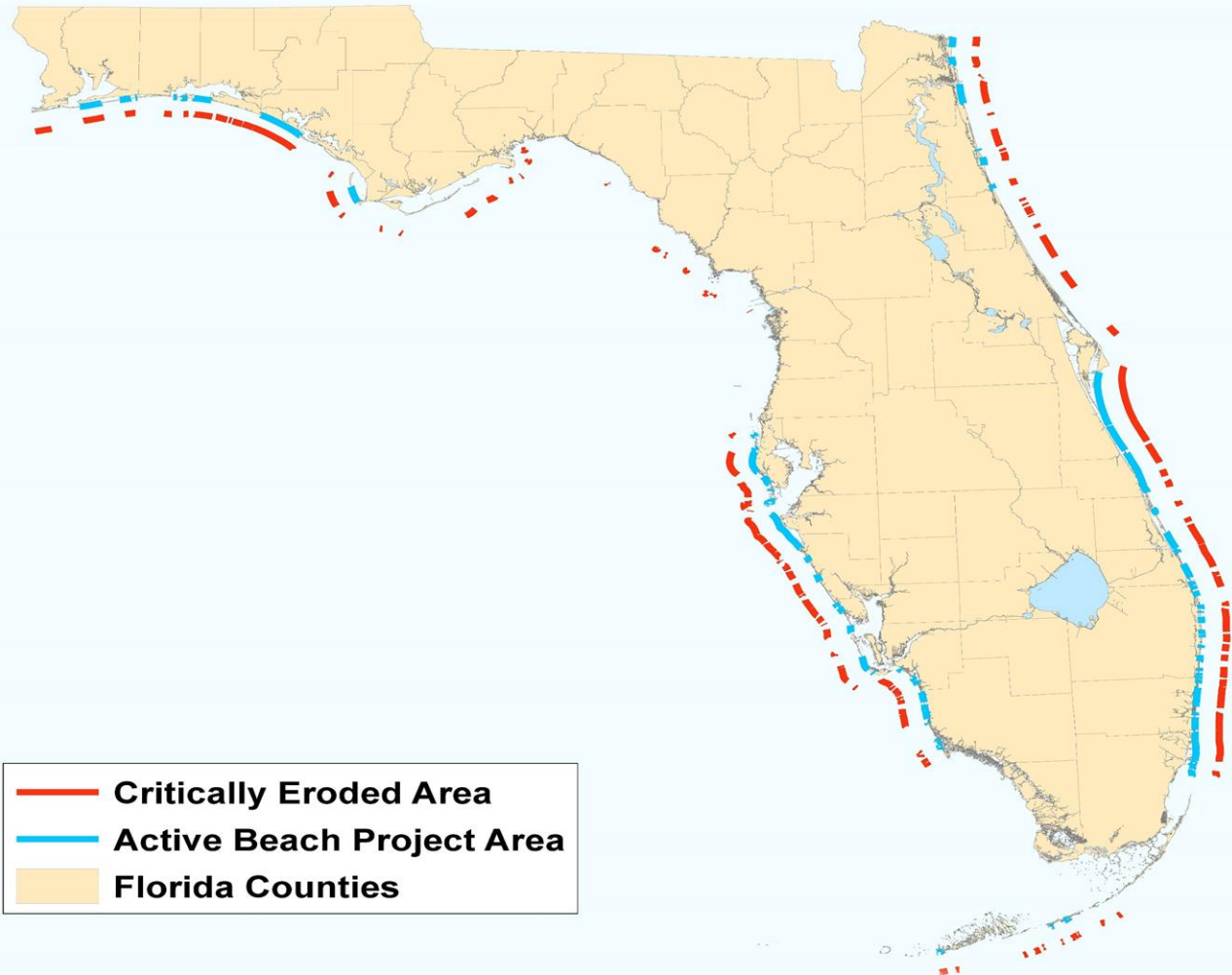


How Beach Restoration Works





Maintained Beaches





Panama City Beach Restoration

Pre-restoration



Post-restoration



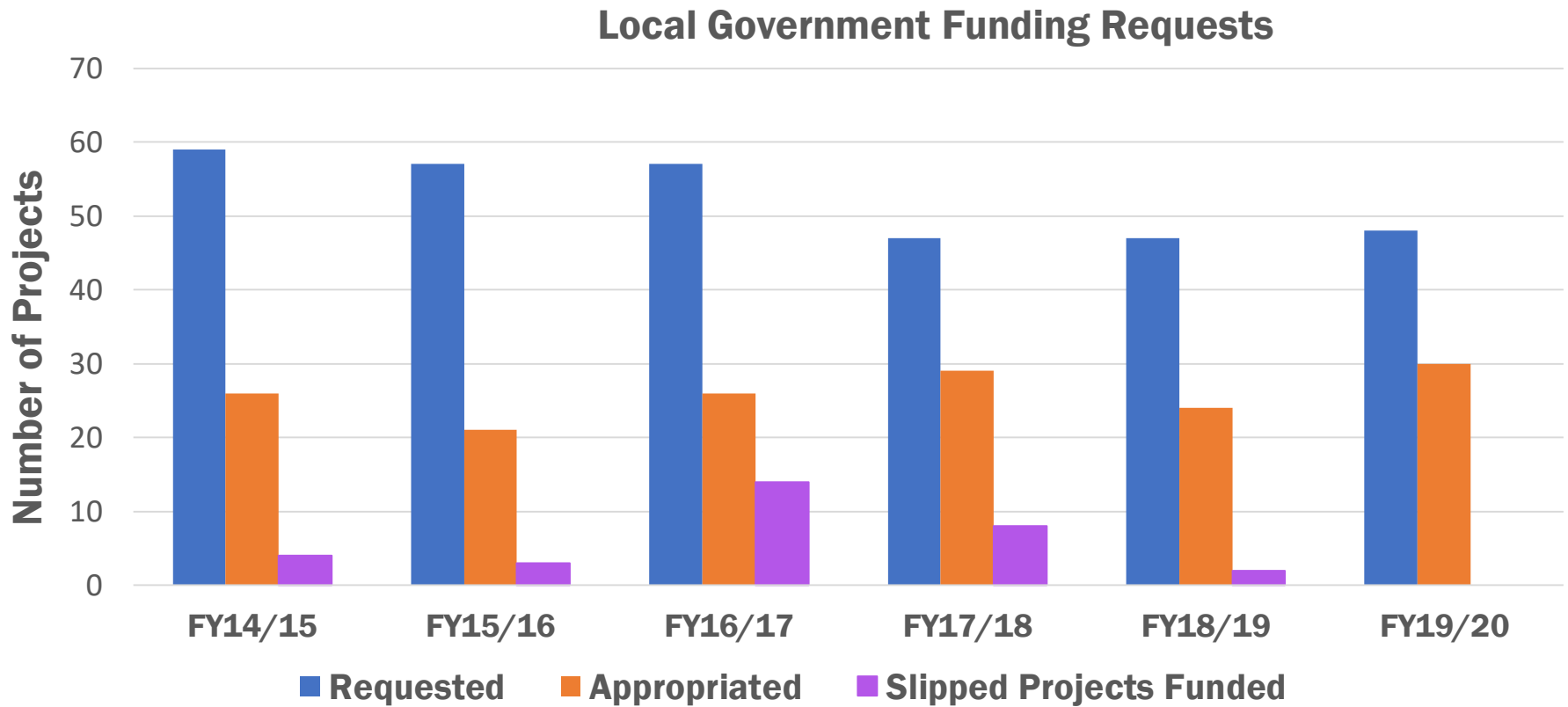


State Funding

Fiscal Year	Requested		Appropriated		Projects Funded with Slippage	
	\$ Amount	# of Projects	\$ Amount	# of Projects	\$ Amount	# of Projects
FY14/15	\$89,754,676.00	59	\$47,271,537.00	26	\$1,234,638.00	4
FY15/16	\$100,962,866.00	57	\$32,106,500.00	21	\$2,534,632.00	3
FY16/17	\$97,645,260.00	57	\$32,562,424.00	26	\$6,203,797.00	14
FY17/18	\$72,937,007.00	47	\$50,000,400.00	29	\$2,580,135.00	8
FY18/19	\$56,748,115.00	47	\$50,000,000.00	24	\$695,947.00	2
FY19/20	\$75,450,956.00	48	\$50,000,000.00	30	\$	N/A
Totals	\$493,498,880.00	315	\$261,940,861.00	156	\$13,249,149.00	31



State Funding, continued





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