

ALTERNATE EARLY ACTION STRATEGIES

ADP 2.3, Goal 3. Balancing property rights and protecting communities and natural resources

Strategy [Murley]: (the following language currently exists as part of this goal, I recommend it be pulled out and made a strategy). Florida statutes, policies, regulations and rules promulgated pursuant to the Florida Administrative Code should be reviewed by the Florida Attorney General to determine potential conflicts with private property rights and state and local governments responsibility to protect communities and natural resources.

ADP 3.2, Goal 1

Strategy [Appelson]: The state should undertake a comprehensive reevaluation of the Coastal Construction Control Line Program to ensure it is accomplishing its intended goal of protection of the beach and dune system. The reevaluation should consider, among other things: the adequacy of existing coastal setbacks, building siting and design requirements, and post-storm redevelopment policies in light of sea level rise scenarios.

Strategy [Appelson]: The Strategic Beach Management Plan should incorporate a range of sea level rise scenarios over at least a 50 year time horizon.

Strategy [Appelson]: Improved shoreline modeling of coastal erosion rates and beach nourishment needs under different sea level rise scenarios may help determine future predicted need for hardening and enable better planning to avoid extensive hardening.

Strategy [Appelson]: Fund and implement best management plans and sand bypassing technologies for all of the state's engineered inlets.

[Appelson]: (These strategies focus mostly on beach shorelines. Maybe the TNC could recommend strategies to decrease the future need to harden estuarine shorelines. Mapping , modeling, living shoreline strategies, assessment of federal permitting regulations, and acquisition come to mind. There are many more miles of estuarine than beach shoreline! I believe someone needs to provide more input regarding estuarine shores.)

ADP 3.1 [Paul Johnson]

[Joel Smith note: can these be strategies under proposed Early Action Item ADP 3.1, Goal 1?]

Goal (): By 2015 Florida's coral reef system (both recent past – 50 years, existing, and projected) should be evaluated, to ascertain changes from climate change or other stressors caused by man (i.e., water quality, dredging, etc.) and actions taken to alleviate those that would provide greater resiliency and chances for coral recovery and expansion.

Strategies:

DEP should amend the Southeast Florida Coral Reef Initiative Local Action Strategy to consider the added stress on coral reefs due to global warming and develop an effective, coordinated management strategy to increase the protection of the region's coral reef ecosystem.

FWCC and other relevant agencies should expand research and monitoring of coral reef ecosystems, including ongoing assessments of factors such as water temperatures and coral bleaching, incidence and range of coral diseases, damage and recovery from storms, and assessment of water quality, including nutrients and calcium carbonate saturation and its effects on reefs over time.

Ecologically valuable coral reefs identified under Goal 1 above would be protected from shoreline development, overfishing and overuse, and other impacts to minimize their disappearance and to enhance their capacity to provide critical nursery habitat for fish and other organisms, storm surge protection and other public benefits.

The state should make monitoring of ocean pH and calcification rates a part of the coral monitoring plans in the Tortugas Ecological Reserve, the Florida Keys National Marine Sanctuary, Biscayne National Park, Florida Middle Grounds, Pulley Ridge and Oculina Bank Habitat Area of Particular Concern, and other locations around the state.

DEP, DACS and FWC should enhance state monitoring of biogenic reefs such as oyster reefs as well as valuable shellfish such as scallops and clams for calcification problems.

ADP 3.2, Goal 9

Strategy [Appelson]: The Legislature, DEP, DCA and the state's Regional Planning Councils should jointly develop, assess, recommend, and make available for local governments a suite of planning tools and climate change adaptation strategies to maximize opportunities to protect the beach/dune system, coastal wetlands, and other shoreline natural resources in an era of rising seas. These tools should include but not be limited to setbacks, acquisition strategies, buy-outs of damaged properties, easements, TDRs, tax incentives and other market-based incentives.

ADP 3.3, Goal 1

Strategy [Johnson]: FWCC should incorporate sea-level rise into the coastal habitat restoration and protection strategies of the Florida Wildlife Legacy Initiative.