

Broad Focus Area Category	Sub Focus Area Category	Management Action	Long Title	Consider Combining	Clarify/ Provide More Info.	Consider Archiving	FYI
Random	Random	S-1	Remove tires and debris from failed artificial reef projects and reef tract to reduce damage to existing corals and habitat and create better recruitment substrate			X	
FDOU	Mooring Buoys & Anchoring Zones	S-2	Create and fund one SEFCRI-wide mooring buoy program as a more coordinated and cost effective way of protecting reefs from anchor damage	X		X	X
Place-Based	Place-Based Mgmt	S-3	Implement a management plan to better monitor and research coral reef disease, working with the Coral Disease Consortium, to reduce coral mortality			X	
E&O	Invasive Species/Lionfish	S-5	Reduce exotic and invasive species through regulation and improving methodology, which improves recruitment and maintenance of fish populations and maintains ecosystems	X	X	X	X
FDOU/Restoration	Restoration/Artificial Reefs	S-7	Construct more scientific-based artificial reefs to rebuild coral reef habitat	X	X	X	
FDOU/Restoration	Restoration/Artificial Reefs	S-8	Develop strategies for coral population enhancement through restocking and larval recruitment to establish recovery zones and recruitment for corals	X	X	X	
MICCI	Beach Mgmt & Renourishment	S-9	Protect near shore juvenile fish habitat from renourishment projects to enhance fishery and stop reduction of habitat	X			
Random	Random	S-11	Develop methods and control of boring sponges in coral communities to improve coral stability and health and to reduce the spread of macroalgae in dead coral areas			X	

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MICCI	Mitigation	S-12	Promote alternative mitigation activities (for example, transplanting nursery-grown corals) to offset functional degradation or temporary loss of resources	<b>X</b>			
FDOU/Restoration	Restoration/Artificial Reefs	S-13	Develop plans to restore damaged reefs to create healthy ecosystems where none exist now	<b>X</b>	<b>X</b>		
FDOU/Restoration	Restoration/Artificial Reefs	S-15	Restore ESA listed coral species by researching and sustaining coral nurseries plus transplanting to natural reefs. Creation of corals will restore reefs, increase coral populations and engender natural reproductive success.	<b>X</b>		<b>X</b>	
Place-Based	General MPA	S-16	Create MPAs within SEFCRI area that amount to ~20% of area and are well defined to protect reefs and minimize user conflict.	<b>X</b>	<b>X</b>		<b>X</b>
Random	Random	S-17	Improve understanding of coral ecosystems trends and populations through monitoring and research to establish accurate baseline management tools.		<b>X</b>	<b>X</b>	
Place-Based	Specific MPA	S-18	Design and designate county marine parks to enhance and diversify public activities and enjoyment, separate conflicting and incompatible activities, improve public safety, accelerate coral reef recovery, and enhance coral reef resource conservation.	<b>X</b>	<b>X</b>		
Place-Based	General MPA	S-20	Define and prioritize reefs and habitat areas for extra protection to reduce fishing stress, accelerate reef recovery, protect reef fish, benefit public education, and benefit recreational diving and snorkeling	<b>X</b>			<b>X</b>

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Place-Based	Specific MPA	S-22	Develop marine protected zones in local high density coral areas to reduce anthropogenic impacts and improve coral protection for local healthy sites.	X	X		X
FDOU/Restoration	Restoring Habitat	S-23	Enhance existing estuaries (and add more estuaries) and restore potential estuarine areas to support coral reef ecosystem function.	X	X	X	X
FDOU/Restoration	Restoration/Artificial Reefs	S-24	Create monitoring system (and reporting system) for existing and new artificial reefs to allow evaluation of success and help develop new artificial reef plans.	X	X	X	X
LBSP	Outfalls/Wastewater	S-25	Close all outfall pipes and build infrastructure for advanced water treatment and reuse to improve ocean water quality, reduce destruction algal blooms, and increase water reuse.	X	X	X	X
LBSP	Outfalls/Wastewater	S-26	Revisit and amend sewage outfall legislation, work to get clean up in place before 2025 and without the 5% loophole to prevent sewage/nitrogen from reaching and killing southeast Florida coral reefs.	X	X	X	X
LBSP	Watershed Mgmt	S-28	Support restoration of historical/natural "Everglades" water flow to minimize pulses of freshwater and protect marine ecosystems from poor water quality (nutrients).		X		
LBSP	Fertilizer	S-34	Ban fertilizing during rainy season as well as limit the types of fertilizer that can be sold to the public to reduce elevated levels of nutrients - primarily nitrogen and phosphorus - into canals, rivers, lakes and estuaries.	X	X		

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LBSP	Fertilizer	S-37	Eliminate and ban the use of non-organic fertilizers, weed killers, and insecticides to reduce or eliminate toxic chemicals from entering bays, estuaries, and oceans through storm runoff.	<b>X</b>	<b>X</b>		
Place-Based	Specific MPA	S-38	Establish replicated marine reserves to determine impacts of water quality versus fishing on resources to increase knowledge of threats, public education, protection of fish populations, and public awareness.	<b>X</b>	<b>X</b>		<b>X</b>
LBSP	Plastic Bags	S-44	Florida ban on plastic bags to reduce plastic in the oceans and on the reef.	<b>X</b>	<b>X</b>		<b>X</b>
E&O	School Curriculum	S-49	Provide educational curriculum for Florida schools starting in elementary schools covering Florida marine, river and estuary environments to ensure future generations will continue to protect our Florida marine environment.	<b>X</b>	<b>X</b>		<b>X</b>
E&O	Blue Star/Diver Ed	S-51	Increase qualification of coral reef education for open water SCUBA certification to reduce diver impact	<b>X</b>	<b>X</b>		<b>X</b>
E&O	General	S-52	Create an effective reef protection mascot/logo campaign to increase awareness for protection.		<b>X</b>		
Place-Based	Place-Based Mgmt	S-54	Apply for UNESCO world heritage site status for entire Florida reef tract to increase awareness and protection of Florida coral reefs.		<b>X</b>		
E&O	Blue Star/Diver Ed	S-55	Improve coral reef conservation talks and information on dive boats before diving to reduce the impact of touching, standing, and kicking corals b y the 3+ million dive days in south Florida.	<b>X</b>	<b>X</b>		<b>X</b>

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Random	Random	S-59	Create a non-governmental southeast Florida task force for climate change, ocean acidification, and their effects on coral reef ecosystem that works with federal/global organizations and will be in place to implement solutions to benefit from local involvement.		X		
E&O	Targeted E&O	S-60	Include and promote information about SEFCRI reefs to hotels in southeast Florida to educate tourists about the importance of the reef tract beyond the sun and fun.			X	
E&O	Blue Star/Diver Ed	S-63	Implement blue-star-like program for charter dive and fishing operators to allow "tourists" to make informed selections on environmentally responsible operators.	X	X		X
E&O	General E&O	S-64	Include all state and federal MPAs on Florida DEP website (www.dep.state.fl.us/coastalsites/ to improve public outreach and education, promote state and federal communication and cooperation, promote holistic ecosystem perspective, and clarify currently misleading map.			X	
Place-Based	National Marine Sanctuary	S-65	Nominate SEFCRI region for consideration as a National Marine Sanctuary to engender protection and benefits, a legal forum, discussion, understanding and collaboration, and balance uses towards sustainable resources.	X			X
Enforcement	Citizen Support	S-66	Create citizen monitoring groups to assist with enforcement and emergency response.	X		X	X

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E&O	Invasive Species/Lionfish	S-67	Provide incentives to divers and fishermen to eradicate invasive species of marine organisms proliferating the SEFCRI coral reef system to provide a natural ecological balance of marine and plant life for the coral reef system.	X	X	X	
Random	Random	S-68	Maximize coral reef resilience to effects of climate change by reducing local pressures of overfishing and habitat degradation to reduce coral stress so coral can better cope with natural disturbances.		X	X	
	User Fees	S-73	Mandate insurance program for all reef users to fund conservation, protection, enforcement, programs, and projects.		X		
E&O	Invasive Species/Lionfish	S-74	Implement ongoing Lionfish management strategies to reduce invasive species.	X	X	X	X
	User Fees	S-75	Initiate collection of a user fee from divers via licensed dive boats and/or annual license to fund state-sponsored or state approved reef conservation, protection, programs, or projects.		X		X
	User Fees	S-76	Increase license fees to have more available funds for resource management (fees currently some of the lowest in USA).		X		X
Enforcement	Violation Penalties	S-78	Raise cost of fishing and boating violations to deter actions that adversely affect coral reefs.	X	X		X
Enforcement	Officer Improvement	S-79	Enact better enforcement for all types of recreational and commercial fishing in areas zoned for fishing to protect coral reef ecosystem balance.	X			X

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E&O	Targeted E&O	S-80	Require mandatory completion/passing of safe boating practices specific to marine ecosystems impact or renewal of vessel registration (prior to purchase of rental of boat) to reduce anchor damage and groundings.		<b>X</b>		<b>X</b>
Place-Based	Specific MPA	S-82	Create zones to exclude fishing traps and commercial gear in special high density coral areas to reduce storm and current movement trap/gear damage to the reef ecosystem.	<b>X</b>	<b>X</b>		<b>X</b>
FDOU	Changes to Fishing Regs	S-83	Increase fish-size limits (e.g. hogfish) to increase female opportunity to produce/lay eggs.			<b>X</b>	
Place-Based	Specific MPA	S-84	Create no-take zones for sharks and barracuda in aggregate areas to protect overfished predators in areas where most vulnerable.	<b>X</b>	<b>X</b>		<b>X</b>
FDOU	Changes to Fishing Regs	S-85	Allocate reef fish quotas for conservation and non-extractive tourism, recreation, diving, snorkeling, education, and science to improve resource conservation, reduce overfishing and fishing damage to reefs, improve the diversity and quality of recreation, enhance reef fish populations, accelerate coral reef recovery, and improve conservation ethics and resource balance.			<b>X</b>	<b>X</b>
	Changes to Fishing Regs	S-86	Ban live mounts of all shark species to reduce shark mortality due to charter fishing practices that ensure mount sales and dockside marketing.		<b>X</b>	<b>X</b>	

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FDOU	Parrotfish Regulations	S-87	Create parrotfish regulations to protect coral reef ecosystem. (CRHE?)	X		X	
Enforcement	Enforcement of Regulations	S-89	Enforce bait fishing regulations within beach zones to protect fish biomass nearshore			X	
E&O	Community Reporting	S-91	Develop a telephone app to allow the public to photograph violations and document time, boat numbers, GIS coordinates, and violation to state FWC and federal enforcement personnel to improve regulatory compliance and enforcement and improve public involvement, outreach and education concerning coastal protection in Florida.	X		X	X
Enforcement	Enforcement Capacity	S-92	Establish a no anchor zone on reefs during beach festivals, as air sea show, music events, etc. to protect reefs from anchor damage by the multitude of boats viewing or listening to the events.		X		
Enforcement	Land-Based Fishing	S-93	Enforce violations on piers, jetties, and docks (land-based fishing) to protect fish biomass especially important tropical fish.	X	X	X	
Enforcement	Citizen Support	S-94	Enhance existing reserve officer program in FWC "need program manager and protocols" to increase officer present, public outreach, and efficiency.	X	X		X
Enforcement	Agency Coordination	S-95	Improve law enforcement management to match assets and personnel to public need and threats to more effective enforcement.	X	X		
Enforcement	Agency Coordination	S-96	Coordinate marine law enforcement interagency cross training in conservation and cooperation to increase enforcement and coverage.	X	X		



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FDOU	Lobster/Mini Season	S-97	Reduce lobster bag limit in SEFCRI region during mini season to reduce take during mini season and increase distribution.	X		X	X
Enforcement	Changes to Fishing Regs	S-98	Simplify FWC rules and regulations to reduce complexity (fish sizes fork length versus overall - snapper one size, grouper one size pelagic) to make rules simpler.		X	X	X
Enforcement	Officer Improvement	S-99	Increase number of FWC enforcement officers; funding for enforcement; and retention of experienced officers to improve enforcement for better protection of reefs and better retention of experienced personnel.	X			
Random	Random	S-100	Redefine the Port of Miami anchorage zone to remove four areas with reported coral from the existing anchor zone, reduce anchor damage currently being caused by ships anchoring zone which includes some coral reef.		X	X	
MICCI	Certification Programs	S-101	Create/enhance "LEED"-like certification program for coastal construction companies and projects, as well as individuals working in the industry, to encourage smart development and best practices for coastal construction.	X	X		X
LBSP	Turbidity/QC	S-102	Adopt effective quality control procedures for development projects to insure standards are met, damage minimized, and mitigation goals are met.		X		
MICCI	Beach Mgmt & Renourishment	S-103	Create and enforce BMPs that eliminate destructive impacts to coral reefs from coastal construction projects (beach renourishment, port expansion, etc.) to eliminate burials, habitat removal, and excessive siltation and turbidity on coral reefs.		X		

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LBSP	Turbidity/QC	S-104	Set new and appropriate water turbidity standards for marine construction to limit damage from coastal constructions to reefs and associated habitats.		<b>X</b>		
MICCI	Mitigation	S-105	Mandate the relocation of various benthic organisms (e.g. corals, octocorals, and sponges) from areas to be dredged (or lost due to other activities) in order to minimize impacts.	<b>X</b>			
LBSP	Turbidity/QC	S-106	Establish educational turbidity monitoring certification program to improve the quality of turbidity data that are used to evaluate project-related threats to resources.		<b>X</b>		<b>X</b>
MICCI	Compliance & Monitoring Staff	S-107	Encourage region-wide biological monitoring (e.g. via BMAs) to document condition of resources that may be impacted by nourishment projects and inform regulatory decisions to ensure ecological functions are maintained.		<b>X</b>	<b>X</b>	
MICCI	Mitigation	S-108	Revise/create UMAM (Uniform Mitigation Assessment Method) for coral reef environments to improve application of this rule to coastal ecosystems, to provide more consistent/accurate calculations, and to ensure ecological functions are maintained.			<b>X</b>	
LBSP	Stormwater	S-110	Eliminate coastal storm water runoff to eliminate land-based sources of beach erosion reducing the need for renourishment projects and improve near shore water quality.	<b>X</b>	<b>X</b>		
MICCI	Mitigation	S-114	Apply lessons learned from past projects to future projects to minimize impacts to resources and improve success of mitigation activities.		<b>X</b>	<b>X</b>	

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MICCI	Beach Mgmt & Renourishment	S-115	Reduce/eliminate beach renourishment projects to prevent excessive siltation and turbidity.	<b>X</b>	<b>X</b>	<b>X</b>	
MICCI	Beach Raking/Wrack Line	S-116	Improve beach management (e.g. raking) to make beaches more sustainable and lessen the need for beach projects.	<b>X</b>			
MICCI	Beach Mgmt & Renourishment	S-120	Improve management of beach renourishment projects to reduce impacts to coral reefs (including nearshore reefs), make beaches more sustainable, and minimize need for future renourishment projects.	<b>X</b>	<b>X</b>	<b>X</b>	
LBSP	Boat Sewage	S-121	Review shipping and yachting industry sewage dumping rules to make sure discharge areas are far from SE FL coral reefs to reduce nitrogen threats to reefs.		<b>X</b>	<b>X</b>	
MICCI	Dredging	S-122	Eliminate offshore sediment dredging for beach nourishment to reduce muddy runoff turbidity and sediment stress on corals, eliminate damage from dredging "accidents," and degradation of sea turtle nesting beaches.		<b>X</b>		
Place-Based	Specific MPA	S-123	Create, establish, and monitor no take areas to comprise at least 20-30% of SEFCRI Region and incorporate evaluation.	<b>X</b>			<b>X</b>
MICCI	Beach Mgmt & Renourishment	S-124	Facilitate the creation of regional beach management agreements (BMAs), which take an ecosystem approach to projects such as beach nourishment and storm-water pipe removal to maintain beaches and protect resources.	<b>X</b>	<b>X</b>		

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Enforcement	<b>NEED TIER 1</b>	S-125	Amend 403.93345 Statute of the Coral Reef Protection Act to allow FWC Officers discretion to issue a citation or a warning for reef damage, which includes anchoring, to give FWC officers more discretionary authority in enforcement.		<b>X</b>	<b>X</b>	
LBSP	LBSP Outreach	N-1	Educate the public on the effects of land-based sources of pollution to reduce the amount of pollutants entering storm drains and waterways		<b>X</b>		
Enforcement	Citizen Support	N-2	Develop a volunteer team (e.g. CSO or Dive Club) to educate, monitor/research, and remove debris and exotics.	<b>X</b>		<b>X</b>	<b>X</b>
E&O	Funding Sources	N-3	Create annual coral reef festival to raise awareness and funds for coral reefs and to engage residents and visitors.	<b>X</b>	<b>X</b>		<b>X</b>
E&O	General E&O	N-4	Develop public service announcement and signage (such as a traveling display) to include climate change and its affects, marine debris, etc. to educate public and highlight the value and vulnerability of southeast Florida reefs		<b>X</b>	<b>X</b>	
E&O	School Curriculum	N-5	Develop and implement a Florida reefs and coastal eco-systems curriculum for K through 12 that includes educating educators on resources available to provide science-based foundation for making future decisions to protect coral reefs and to also educate parents	<b>X</b>	<b>X</b>		<b>X</b>

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E&O	Invasive Species/Lionfish	N-6	Continue education and outreach about Lionfish, including teaching folks to capture and prepare Lionfish and educating the public on the dangers of invasive species, to increase pressure to Lionfish, relieve pressure on c current reef fish, and decrease popularity of invasive species to pet owners.	X		X	
FDOU	Fishing License Cert	N-7	Require online exam to people purchasing fishing license to test the knowledge of the people about the Coral Reef Protection Act, FWC Rules, and basic boating laws.	X	X		X
LBSP	LBSP Outreach	N-8	Develop a public education campaign, like "Be Floridian," to encourage eco-friendly yard and garden maintenance to help reduce the amount of nutrients and other pollutants reaching the reefs through residential run-off. (Better in LBSPWQ?)		X		
E&O	School Curriculum	N-10	Designate high school students to do at least 8 hours of community service that help ocean conservation to show future generations their role in keeping coral reefs.	X	X	X	X
E&O	Targeted E&O	N-11	Engage elected officials and other decision-makers in reef awareness by having annual events focused on reef ecosystems to develop collaborative relationships with community leaders.		X		
E&O	General E&O	N-12	Produce educational information for health reef practices about the benefits of mooring buoys and how to anchor properly, safe and prudent dive practices, and how to identify reef safe products to increase public awareness and overall better stewardship of our reefs.		X		

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E&O	General E&O	N-14	Develop and distribute educational materials highlighting the economic and recreational values of southeast Florida reefs to enhance awareness by residents, elected officials, and visitors.		X		
E&O	Funding Sources	N-15	Establish a community supported organization (CSO) (i.e. Friends of SE FL Coral Reefs) to enable better community engagement in coral reef efforts and target funding for conservation activities more effectively and efficiently.	X	X		X
MICCI	Certification Programs	N-17	Create continuing education programs for targeted industries with coastal projects to include landscaping to reduce negative coastal impacts.	X	X		X
E&O	Targeted E&O	N-18	Develop culture-based fishery and coral reef education program (stakeholders <--> managers) to anticipate adverse impacts to non-traditional (Floridian) fishery populations.		X		
E&O	<b>NEED TIER 1</b>	N-19	Update NOAA Nautical Charts to include reef habitat layers to create a better educated boater.		X	X	
E&O	General E&O	N-21	Develop and distribute welcome packets for new FL residents that provide information on impacts to reef systems and how they can be addressed to raise awareness and influence behavior change to reduce impacts to reefs.		X		
E&O	Community Reporting	N-22	Market a FWC hotline and SEAFAN reporting to better increase citizen observance.	X	X		

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E&O	Blue Star/Diver Ed	N-23	Create marine industry program (i.e. bluestar) to show local shops and boats are approved and participate in local marine conservation and awareness.	<b>X</b>	<b>X</b>		<b>X</b>
E&O	Blue Star/Diver Ed	N-24	Implement diver education program (local ecology) to reduce direct physical impacts to reefs. (Better in EOA?)	<b>X</b>	<b>X</b>		<b>X</b>
Enforcement	Violation Penalties	N-25	Strengthen penalties and fines for non-compliance of reef-related regulations to enhance voluntary stewardship, to discourage illegal activities, and to express that violations will not be tolerated.	<b>X</b>		<b>X</b>	<b>X</b>
Enforcement	Enforcement of Regulations	N-26	Enforce existing reef and water quality regulations to improve water quality and reef health.		<b>X</b>		
Enforcement	Citizen Support	N-27	Establish co-management agreements with capable and responsible local communities and NGOs to address staff capacity gaps at FWC and FDEP.	<b>X</b>			<b>X</b>
Enforcement	Agency Coordination	N-28	Establish a single law enforcement entity that has the responsibility for enforcement of local, state, and federal reef-related regulations to reduce duplication of effort or overlap and to increase efficiency.	<b>X</b>		<b>X</b>	
Enforcement	Officer Improvement	N-29	Increase retention and recruitment of enforcement officers in order to improve relationships with stakeholders as well as officers understanding of use and abuse in the areas they patrol.	<b>X</b>		<b>X</b>	<b>X</b>
E&O	Targeted E&O	N-30	Educate enforcement personnel and the public on reef-related regulations to provide better protection to the reefs.		<b>X</b>		

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Enforcement	Legal Support	N-31	Increase legal support for FWC so officers can respond more effectively so that the officers have a greater impact to deter offenders since they are backed by the legal system.	X	X	X	X
Enforcement	Officer Improvement	N-32	Perform efficiency/retention study of the FWC law enforcement to ensure the best use of current and future funding to improve compliance of existing regulations.	X		X	X
Random	Random	N-33	Install webcams to catch offenders and keep people informed on weather and water conditions.			X	
	Re-allocating Existing Funds	N-34	Apply funds from vessel registration and fishing licenses to increase money for law enforcement and conservation actions.			X	
Enforcement	Agency Coordination	N-35	Develop (by FWC)and implement a training program for local law enforcement to cross train marine units to increase law enforcement on the water, provide additional enforcement for peak periods, and increase presence in order to decrease marine-related violations and build relationships between agencies.	X			X
FDOU	Lobster/Mini Season	N-36	Raise the cost of lobster stamp (both commercial and recreational) to use money to put towards enforcement of laws.		X		X
E&O	Community Reporting	N-37	Improve existing FWC hotline to more efficiently report emergencies or violations, send pictures, and be able to report a problem to assist agencies to enforce the regulations that protect our coral reefs.	X		X	X
Enforcement	Enforcement of Regulations	N-38	Evaluate and enforce lighting regulations to make sure they are effectively protecting sea turtles.			X	



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Random	Random	N-39	Develop restricted airspace (altitude 500 feet) to give control of the space above the reefs to prevent air craft of flying too low over the water leaving that air space for enforcement and rescue.		X	X	
Enforcement	Land-Based Fishing	N-40	Enforce illegal catches on piers, jetties, docks, and beaches to increase fish stocks using these habitats.	X		X	
	User Fees	N-41	Collect a "reef impact fee" to fund enforcement, education, and mitigation programs.		X		
Enforcement	Officer Improvement	N-43	Increase funding specifically designated to recruit and retain for on-the-water enforcement officers/compliance personnel to encourage voluntary compliance and effectively enforce regulations and improve recruitment and retention of officers.	X		X	X
Enforcement	Legal Support	N-44	Educate judges and prosecuting attorneys on the importance of imposing penalties for environmental violations that are severe enough to prevent future violations.	X			X
Enforcement	Fishing License Cert	N-45	Require certification for fishing license and/or course for charter fishing boats to increase awareness to local laws and to promote ethical angling practices.	X	X		X
Enforcement	Legal Support	N-46	Require reef-related community service for resource violations to improve health of reef ecosystem and help educate the violator.	X		X	X
E&O	Community Reporting	N-47	Implement a lost gear removal program that allows user groups to report lost gear so it can be retrieved in a timely manner to prevent unnecessary loss of habitat.		X	X	

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FDOU	Lobster/Mini Season	N-48	Alternate years of mini season (e.g. odd years allow mini season, even years no allowance) to change population of lobsters so as to make this fishery more sustainable.	X		X	X
FDOU	Lobster/Mini Season	N-49	Eliminate lobster mini season to reduce damage to reef by overzealous divers.	X		X	X
E&O	Targeted E&O	N-51	Promote collaboration between fishing and diving industries to help each party learn to respect the resources and their impact they can have on coral reefs.		X		
FDOU	Net Fishing Bans	N-53	Prohibit the use of commercial nets that indiscriminately remove fish and damage reef resources in designated areas to prevent adverse impacts.	X		X	
Random	Random	N-54	Install weather reporting equipment to assist law enforcement and mariners before venturing out to assist in knowing the conditions, traffic, and use of the reefs at any given time.			X	X
FDOU	Lobster/Mini Season	N-55	Limit the number of lobsters allowed on mini season and number of lobster permits to reduce the take during this two-day period.	X		X	X
E&O	Invasive Species/Lionfish	N-58	Support efforts to control invasive Lionfish on reefs and estuaries to decrease predation on native species.	X		X	
FDOU	Changes to Fishing Regs	N-59	Ban the practice of spearfishing on SCUBA to enable sustainable use of our Florida Reefs.		X		X

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Place-Based	Place-Based Mgmt	N-60	Identify and implement fisheries management measures in the SEFCRI Region to increase the population and size of individuals of snapper, grouper and other important reef fish. This should be based on data from the 3 year reef visual census conducted by FDEP, NOVA SE University, and Partners and fisheries dependent data.		X		X
FDOU	Parrotfish Regulations	N-61	Regulate take of parrot fish on the reef and nearshore habitats to increase the population of herbivores on the reef.	X		X	
E&O	Blue Star/Diver Ed	N-62	Require commercial operators (diving, fishing, sightseeing, tours, etc.) to provide educational info to patrons to promote ethical stewardship of all marine ecosystems (including reefs and everglades).	X	X		X
FDOU	Net Fishing Bans	N-63	Maintain legislature that bans net fishing in shallow water to eliminate the fishing equipment that end up on the reefs.	X	X	X	
E&O	Community Reporting	N-64	Require registration of commercial fishing gear (all nets and traps) to prevent and track lost gear (ghost nets).			X	
FDOU	Changes to Fishing Regs	N-65	Standardize catch size limits for commercial/recreational important species with similar life histories and appearance to make it easier to enforce regulations and catch within limits.		X		X
LBSP	Fertilizer	N-68	Reduce and regulate fertilizers and pesticides to reduce nutrient and pollutant loading to improve water quality and provide protection to the reefs.	X	X		

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LBSP	Watershed Mgmt	N-69	Support and provide money incentives and initiatives to restore and preserve wetlands north of Lake O to stop discharges to coastal estuaries to protect estuaries and reefs.			X	
FDOU/Restoration	Restoring Habitat	N-70	Restore and create estuarine habitats and redirect historical freshwater flows to increase habitat, improve water quality, and support nursery areas for reef fauna.	X	X	X	X
LBSP	General LBSP	N-71	Develop and implement a monitoring program to detect, identify, and eliminate sources of pollution flowing through inlets to improve water quality and protection to reef.			X	
LBSP	General LBSP	N-72	Stop land-based sources of pollution to protect near shore reefs from pollution.		X	X	
LBSP	Stormwater	N-74	Reduce nutrient content of freshwater runoff to improve water quality and reduce algae on the reef.	X			
LBSP	Boat Sewage	N-75	Promote/offer free pump out stations to better water quality and allow boats a better option than dumping off shore.		X		
LBSP	Living Shorelines	N-76	Require increased setbacks whenever waterfront properties are redeveloped to reduce the potential for adverse impacts.		X		
LBSP	General LBSP	N-78	Reduce ground water pollution in targeted watersheds associated with priority reef areas to improve water quality and reef health. (For Tier 2 data sheet --> will require research to identify relative contribution of groundwater pollution).		X		

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LBSP	Outfalls/Wastewater	N-79	Upgrade regional wastewater treatment outputs to prevent introduction of pollutants to improve water quality.	X			
LBSP	Outfalls/Wastewater	N-80	Ensure the timely closure of all sewer outfalls in the SEFCRI region to end the direct release of wastewater onto the coral reefs.	X	X	X	
LBSP	Stormwater	N-81	Create storm water catchment areas with enhanced capacities to clean water in order to reduce the amounts of and improve the quality of fresh water released to sea.	X	X		
LBSP	Stormwater	N-82	Support initiatives that increase storm water storage, treatment and contaminant removal and reuse from all surface water to restore healthy estuaries.	X			
LBSP	Stormwater	N-84	Reduce storm water runoff in targeted watersheds or inlet contributing areas associated with priority reef areas to improve water quality and reef health.	X	X		X
LBSP	Outfalls/Wastewater	N-85	Require governmental entities to ID point-source inputs into estuaries and retro-fit them as needed to reduce pollutant loadings to restore health estuaries.	X		X	
LBSP	Outfalls/Wastewater	N-86	Regulate point-specific water quality discharge (Regulating the quality of water discharges from facilities, such as power plants, and their proximity to coral reefs helps know stress factors on the reef. Poor water quality = unhealthy reef).	X	X		
LBSP	LBSP Outreach	N-87	Promote existing "rain garden" programs to relevant landowners to reduce rainwater runoff and the chemical load of water released to sea.		X		

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MICCI	Compliance & Monitoring Staff	N-88	Increase FDEP field staff capacity to monitor all beach and coastal projects and beach closures related to water quality to ensure permit compliance and minimize impacts to reef ecosystem.	X			X
LBSP	Fertilizer	N-89	Establish partnerships with local government to uphold restrictions on seasonal use of fertilizer ordinances to reduce nutrient load on reefs.	X	X		
	Re-allocating Existing Funds	N-90	Direct funds from the water and land legacy amendment toward acquiring properties that will help preserve and restore coastal/wetland habitats to benefit coral reefs.		X		
LBSP	LBSP Outreach	N-94	Develop and implement a "Green Club TM" certification program for golf courses (similar to Blue Star for dive industry and clean marina programs) to provide an incentive mechanism for golf courses to reduce their impact on marine environment.		X		
LBSP	Fertilizer	N-97	Target LBSP reduction activities at identified hotspots and water shed of nonpoint source pollution along SEFCRI reef tract to improve water quality and reef health.	X	X		
MICCI	Beach Mgmt & Renourishment	N-98	Develop, fund, and implement a SEFCRI-wide beach management plan for sustainable management of beaches and to protect and minimize impacts to reefs from turbidity caused by erosion.	X	X		

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MICCI	Mitigation	N-99	Designate a mitigation bank and fee program for development projects in SEFCRI region to offset impacts of development to reef ecosystem and fund its management and restoration.	X	X		X
Place-Based	General MPA	N-100	Create MPAs within FRT based on current science and data to develop site specific goals for a management plan to protect sensitive species and habitat.	X	X		X
MICCI	Dredging	N-102	Install permanent erosion stabilizers (undercurrent stabilizers) to eliminate silting caused by constant beach renourishment.		X	X	
MICCI	Beach Mgmt & Renourishment	N-106	Minimize the use of beach renourishment and other coastal construction projects to prevent negative impacts and destruction of near shore environments.	X	X		
MICCI	Beach Mgmt & Renourishment	N-110	Enable movement of natural sand transport, interrupted by construction of inlets, via dedicated, moveable, seagoing dredge vessels similar to Hillsboro Inlet District, to help eliminate wasteful and harmful dredge and fill projects.	X	X	X	
MICCI	Dredging	N-113	Eliminate Lake Worth inlet dredging project to reduce siltation on coral reefs and keep coastal communities and habitat in balance.		X		
MICCI	Compliance & Monitoring Staff	N-114	Reinstate funding for regulatory agencies (reinstate FDEP Dive Teams throughout the state) to monitor reefs, asses potential impacts, assist other agencies (fish/coral surveys) with protection and monitoring.	X			X
FDOU/Restoration	Restoration/Artificial Reefs	N-115	Restore and enhance coral reef and nearshore hardbottom habitats to maintain and improve ecosystem services, such as fisheries, tourism, and shoreline protection.	X	X	X	

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LBSP	Living Shorelines	N-116	Coordinate regional "living shoreline" objectives to promote the use and protection of natural infrastructure (e.g. coral reefs, native vegetations, mangrove wetlands) to provide natural barriers to storm surge and maintain coastal biodiversity.		<b>X</b>		
MICCI	Mitigation	N-117	Revise coastal permitting process to establish a no net loss of coral from development projects practice to minimize impacts of development on reef systems.	<b>X</b>	<b>X</b>		
MICCI	Compliance & Monitoring Staff	N-119	Improve capacity of army corps of engineers to monitor and enforce coastal and beach projects to improve compliance with permit conditions and minimize impacts to reef systems.	<b>X</b>			<b>X</b>
LBSP	Plastic Bags	N-120	Pass legislation to ban one-time-use plastic bags to protect marine environment (i.e. turtles).	<b>X</b>	<b>X</b>		<b>X</b>
LBSP	Plastic Bags	N-121	Pass legislation restricting the use of "single-use plastics" to limit harm to numerous species of coral reef animals and plants.	<b>X</b>	<b>X</b>		<b>X</b>
E&O	Funding Sources	N-123	Develop a sustainable finance plan to support coral reef conservation efforts in the SEFCRI Region and implement specific fundraising mechanisms from that plan. Could include benefit races, concerts...this would increase local capacity to conserve SEFCRI coral reef resources.	<b>X</b>	<b>X</b>		<b>X</b>
MICCI	Beach Raking/Wrack Line	N-124	Increase protection of wrack line to reduce erosion of beach to provide nutrients for critters.	<b>X</b>			
MICCI	Beach Raking/Wrack Line	N-125	Reduce negative impacts from beach raking/cleanup practices to provide ecological benefits to beach ecosystem.	<b>X</b>			



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FDOU/Restoration	Restoring Habitat	N-128	Increase the total area of mangrove, sea grass, oyster beds, corals and other habitats to restore the natural ecosystem's ability to improve water quality.	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
MICCI	Mitigation	N-132	Improve compliance/enforcement of mitigation projects by monitoring results to hold agencies/project sponsors accountable.	<b>X</b>	<b>X</b>		
FDOU	Mooring Buoys & Anchoring Zones	N-133	Establish mooring buoys and anchoring areas at appropriate locations to prevent adverse impacts, and are preferred by boaters.	<b>X</b>		<b>X</b>	<b>X</b>
Place-Based	Place-Based Mgmt	N-134	Install marker buoys (to include lighted and marked beacons) to clearly designate the boundaries of different use areas to enhance the abilities of enforcement personnel to do their job and for boaters to identify protected areas. (Better in Enforcement?)		<b>X</b>		
Random	Random	N-135	Develop and implement emergency preparedness plans for rapid response/restoration prior to significant impacts to minimize long-term damage.		<b>X</b>		<b>X</b>
E&O	Invasive Species/Lionfish	N-136	Establish invasive species control strategy and increase/target removal to reduce stress to reef ecosystem.	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Place-Based	Specific MPA	N-137	Designate the entire SEFCRI region as a particularly sensitive sea areas (PSSA) to reduce direct impacts from large vessel grounding sand cable drag events on the reef.	<b>X</b>			<b>X</b>
Random	Random	N-138	Conduct reef, waterway, and beach clean-ups to remove debris and promote reef-sensitive use to minimize adverse impacts.		<b>X</b>	<b>X</b>	

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Place-Based	Place-Based Mgmt	N-139	Include bathtub reef or other near shore hard bottom N. of St. Lucie Inlet as part of management of southeast Florida reef tract to provide a buffer for coral migration or range expansion I in the face of climate change.		<b>X</b>		
FDOU	Mooring Buoys & Anchoring Zones	N-140	Restrict anchoring in preserve to encourage the use of the mooring buoys and internally control the number of divers on each reef to prevent anchor and chain scaring to the reefs.	<b>X</b>		<b>X</b>	<b>X</b>
FDOU	Mooring Buoys & Anchoring Zones	N-142	Install a limited number of mooring buoys to limit the number of divers that would place stress on the reef as mooring buoys do not stop anchoring to create a procedure to regulate and monitor the users.	<b>X</b>	<b>X</b>		<b>X</b>
FDOU	Mooring Buoys & Anchoring Zones	N-143	Designate no anchor zones and increase number of mooring buoys on SEFCRI coral reef tract to minimize boating impacts to our coral reefs.	<b>X</b>	<b>X</b>		<b>X</b>
Place-Based	General MPA	N-144	Implement MPA planning process to set aside areas to enhance population of most prolific reproduction of reef fish and coral.	<b>X</b>			
FDOU	Mooring Buoys & Anchoring Zones	N-145	Create/rotate limited use areas to allow reef recovery.	<b>X</b>			<b>X</b>
Place-Based	General MPA	N-146	Establish and implement a zoning framework for the SEFCRI Region that includes no-take reserves, no anchor areas, restoration areas, and seasonal protection for spawning aggregations to enable both sustainable use and protection of our Florida reefs.	<b>X</b>			<b>X</b>

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Place-Based	Specific MPA	N-147	Develop and establish no-take zones or areas of restricted activity (include reefs and everglades) to protect and reduce pressure on reefs, stop use of tackle and traps that damage reefs, and avoid user conflicts to reduce pressure on juvenile and forage fish.	<b>X</b>			<b>X</b>
Place-Based	National Marine Sanctuary	N-148	Nominate southeast Florida reef tract for National Marine Sanctuary ( <a href="http://www.nominate.noaa.gov">www.nominate.noaa.gov</a> ) to provide broader federal protection for the southeast Florida reef tract.	<b>X</b>			<b>X</b>
E&O	Funding Sources	N-149	Procure funding sources to sustain the development, staffing, and maintenance of a managed marine protected area to benefit the people who use the reefs.	<b>X</b>	<b>X</b>		<b>X</b>