



Copy\_CWGDraftRecommendations\_29Oct2014\_BW.xlsx - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

Calibri 11 A A

General

Normal Bad Good Neutral

Calculation Check Cell Explanatory... Input

AutoSum Fill Sort & Find & Filter Clear

Clipboard Font Alignment Number Styles Cells Editing

A1 Sort

Sort	Low Code	Focus Area	Duplid	Short Title	Mgmt. Action DRAFTS	CWGs Work Groups	Spatial Component	Brian Spatial Eval	Amanda Spatial Eval	Final
16	N-16	EOA		Incorporate and promote coral reef awareness and education to augment Clean Marina Programs	Incorporate and promote coral reef (Specifically SEFCRI Region) awareness and education and coral-specific boater and marina BMPs to augment Clean Marina Programs.		Spatial Analysis Needs	No	No	No
52	N-53	FDOU		Prohibit the use of commercial nets that indiscriminately remove fish	Prohibit the use of commercial nets that indiscriminately remove fish and damage reef resources in designated areas to prevent adverse impacts.	Vincent Encomio; Butch Olson; April Price; Kathy Fitzpatrick;	Spatial Analysis Needs	Yes	Yes	Yes
53	N-54	FDOU		Install weather reporting equipment	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.	Vincent Encomio; Tom Wamke; Mike Brescher	Spatial Analysis Needs	Maybe	Yes	No
57	N-60	FDOU		Identify and implement fisheries management measures in the SEFCRI region	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 IDOTSS and fisheries.	Butch Olson; April Price; Kathy Fitzpatrick	Spatial Analysis Needs	Maybe	Maybe	Maybe
75	N-78	LBSPWQ		Reduce ground water pollution in targeted watersheds	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).	Dana Wusinich-Mendez	Spatial Analysis Needs	No	Maybe	No
78	N-81	LBSPWQ		Create storm water catchment areas	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.		Spatial Analysis Needs	No	Maybe	No
81	N-84	LBSPWQ		Reduce storm water runoff in targeted watersheds	Reduce storm water runoff in targeted watersheds or other contributing areas associated with priority reef areas to improve water quality and reef health.	Dana Wusinich-Mendez	Spatial Analysis Needs	No	Yes	No
94	N-37	LBSPWQ	1	Target LBSP reduction activities at identified hotspots	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.	Dana Wusinich-Mendez; Mike Brescher	Spatial Analysis Needs	Maybe	Maybe	Maybe
99	N-102	CMC		Install permanent erosion stabilizers	Install permanent erosion stabilizers (undercurrent stabilizers) to eliminate slitting caused by constant beach renourishment.	Mitch Comiskey	Spatial Analysis Needs	Maybe	Maybe	Maybe
100	N-103	CMC		Monitor coral reef flora and fauna on a semi-annual basis	Monitor coral reef flora and fauna on a semi-annual basis to monitor coral reef vegetation and doing a species count gives an account of the health of the coral reef.		Spatial Analysis Needs	No	No	No
112	N-115	CMC		Restore and enhance coral reef and nearshore hardbottom habitats	Restore and enhance coral reef and nearshore hardbottom habitats to maintain and improve ecosystem services, such as fisheries, tourism, and shoreline protection.	Andrea Graves	Spatial Analysis Needs	Maybe	Yes	Maybe
113	N-116	CMC		Coordinate regional "living shoreline" objectives	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	Andrea Graves; Vincent Encomio	Spatial Analysis Needs	Maybe	Maybe	Maybe
130	N-133	DIR	6	Establish mooring buoys and anchoring areas	Establish mooring buoys and anchoring areas at appropriate locations to prevent adverse impacts and are restricted to boaters.	Butch Olson; Kathy Fitzpatrick; Jeff Deal; April Price	Spatial Analysis Needs	Yes	Yes	Yes
131	N-134	DIR	2	Install marker buoys to clearly designate the boundaries of different use areas	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 restricted areas. Designate the entire SEFCRI region as a	Mike Brescher	Spatial Analysis Needs	Maybe	Yes	Maybe

NorthCWG\_presentation11-10 SouthCWG\_presentation11-19 NorthCWG\_Oct272014 SouthCWG\_Oct272014 Color codes

Red Not Spatial

Orange Maybe spatial, clarification is needed

Green Spatial

## Recommendations identified as needing spatial support

New Code	Focus Area	Mgmt. Action DRAFTS	Notes
N-133	DIR	<p style="text-align: center;"><b>Establish mooring buoys and anchoring areas at appropriate locations to prevent adverse impacts, and are preferred by boaters.</b></p>	<p>Tool could help site general mooring areas and anchor areas</p>
N-143	DIR	<p style="text-align: center;"><b>Designate no anchor zones and increase number of mooring buoys on SEFCRI coral reef tract to minimize boating impacts to our coral reefs.</b></p>	<p>Tool could help site general mooring areas and anchor areas</p>
N-144	Place-Based	<p style="text-align: center;"><b>Implement MPA planning process to set aside areas to enhance population of most prolific reproduction of reef fish and coral.</b></p>	<p>Tool could help site areas</p>
N-145	Place-Based	<p style="text-align: center;"><b>Create/rotate limited use areas to allow reef recovery.</b></p>	<p style="color: red;">Reef-use data could help site these</p>
N-147	Place-Based	<p style="text-align: center;"><b>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></p>	<p>Tool could help site zones</p>

## Recommendations **NOT identified** by North CWG that **MAY BE** good candidates

Code	Focus Area	Mgmt. Action DRAFTS	Notes
N-70	LBSPWQ	<b>Restore and create estuarine habitats and redirect historical freshwater flows to increase habitat, improve water quality, and support nursery areas for reef fauna.</b>	Possible to design tool to help site these projects. It would require importing estuarine data not currently acquired
N-100	CMC	<b>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.</b>	Tool could help site MPAs
N-128	CMC	<b>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>	Possible to design tool to help site these projects. It would require importing estuarine data not currently acquired
N-138	DIR	<b>Conduct reef, waterway, and beach clean-ups to remove debris and promote reef-sensitive use to minimize adverse impacts.</b>	Possible to use the tool to evaluate reef-use data and target high use areas. This could be done without the tool as well
N-146	Place-Based	<b>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>	Tool could help site zones

## Recommendations identified by North CWG that need clarification

Code	Focus Area	Mgmt. Action DRAFTS	Notes
N-60	FDOU	<b>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.</b>	Tool could be used if MPA was one of the measures
N-97	LBSPWQ	<b>Target LBSP reduction activities at identified hotspots and watershed of nonpoint source pollution along SEFCRI reef tract to improve water quality and reef health.</b>	Clarification needed on tool application
N-102	CMC	<b>Install permanent erosion stabilizers (undercurrent stabilizers) to eliminate silting caused by constant beach nourishment.</b>	Clarification needed on tool application
N-115	CMC	<b>Restore and enhance coral reef and nearshore hardbottom habitats to maintain and improve ecosystem services, such as fisheries, tourism, and shoreline protection.</b>	Clarification needed on tool application
N-116	CMC	<b>Coordinate regional "living shoreline" objectives to promote the use and protection of natural infrastructure (e.g. coral reefs, native vegetation, mangrove wetlands) to provide natural barriers to storm surge and maintain coastal biodiversity.</b>	Clarification needed on tool application
N-134	DIR	<b>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>	Clarification needed on tool application. This might be easier another way.

## Recommendations identified by North CWG but **may NOT be** good candidates

Code	Focus Area	Mgmt. Action DRAFTS	Notes
N-54	FDOU	<b>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.</b>	This could be done without a tool design
N-78	LBSPWQ	<b>Reduce ground water pollution in targeted watersheds associated with priority reef areas to improve water quality and reef health. (For Tier 2 data sheet --&gt; will require research to identify relative contribution of groundwater pollution).</b>	Information not available. Better suited for GIS analyses
N-81	LBSPWQ	<b>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.</b>	This requires civil engineering
N-84	LBSPWQ	<b>Reduce storm water runoff in targeted watersheds or inlet contributing areas associated with priority reef areas to improve water quality and reef health.</b>	Information not available.
N-103	CMC	<b>Monitor coral reef flora and fauna on a semi-annual basis to monitor coral reef vegetation and doing a species count gives an account of the health of the coral reef.</b>	Only if monitoring stations needed to be selected. This could be done in GIS without a tool design

## Recommendations identified by North CWG but **may NOT be** good candidates

Code	Focus Area	Mgmt. Action DRAFTS	Notes
N-137	DIR	<b>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>	This could be done without a tool design
N-139	DIR	<b>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>	This could be done without a tool design
N-140	DIR	<b>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>	Preserve? This could be done without a tool design
N-142	DIR	<b>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>	Did not understand. Clarification needed
N-148	Place-Based	<b>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>	This could be done without a tool design