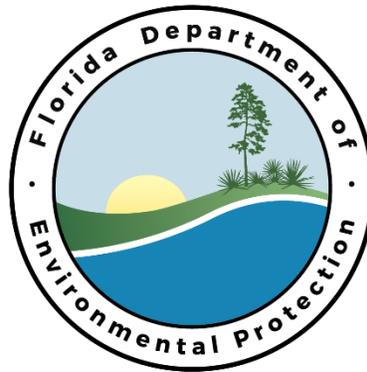


**FDOU Project 26A Part 5 Task 7 – Technical Meeting Support
for the *Our Florida Reefs* Community Working Group**

Florida Department of Environmental Protection
Coral Reef Conservation Program
Project 26A Part 5 Task 7



FDOU Project 26A Part 5 Task 7 – Technical Meeting Support for the *Our Florida Reefs* Community Working Group

Meeting Notes
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Completed in Fulfillment of PO RM150 for

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Project 26A Part 4 Task 7

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The meeting notes herein were the opinion of the contractor and were not reviewed by meeting participants.

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List of Acronyms

ACOE - Army Core of Engineers
CWG - Community working group
COTF - Coastal Ocean Task Force
CSO - Community Service Organization
DST - Decision support tool
ESA - Endangered Species Act
ESI - Environmental Sensitivity Index
ESRI - Environmental Systems Research Institute
FDEP - Florida Department of Environmental Protection
FDOU - Fishing Diving and Other Uses
FKNMS - Florida Keys National Marine Sanctuary
FOFR - Friends of Our Florida Reefs
FRRP - Florida Reef Resilience Program
FWC - Florida Fish and Wildlife Conservation Commission
GBR - Great Barrier Reef
GIS - Geographic Information Systems
ICA - Inlet Contributing Area
JCP - Joint Coastal Permitting
LBSP - Land-based Sources of Pollution
LIDAR - Light Detection and Ranging
MARCO - Mid-Atlantic Regional Council on the Ocean
MICCI - Maritime Industry and Coastal Construction Impacts
MOIP - Management Options Identification Process
MPA - Marine protected area
MP - Marine Planner
NCWG - North Community Working Group
NMFS - National Marine Fisheries Service
NMS - National Marine Sanctuary
NOAA - National Oceanic and Atmospheric Administration
NSU - Nova Southeastern University
OFR - Our Florida Reefs
PBC - Palm Beach County
PPT - Process Planning Team
PSA - Public Service Announcement
PSSA - Particularly Sensitive Sea Area
PU - Planning Unit
REEF - Reef Environmental Education Foundation
RIPR - Reef Injury Prevention and Response Program
SEAFAN - Southeast Florida Action Network
RMA - Recommended Management Action
RSMAS - Rosenstiel School of Marine and Atmospheric Science
RVC - Reef Visual Census
SCWG - South Community Working Group
SECREMP - Southeast Florida Coral Reef Evaluation and Monitoring Project

SE FL - Southeast Florida
SEFCRI - Southeast Florida Coral Reef Initiative
SFWMD - South Florida Water Management District
TAC - Technical Advisory Committee
TNC - The Nature Conservancy
UM - University of Miami
USF - University of South Florida
USGS - United States Geological Survey

INTRODUCTION

Task 7 was to provide technical meeting support for the *Our Florida Reefs* (OFR) community planning process's northern and southern community working group (CWG) meetings as well as the OFR Community Meetings in the spring of 2016. Nova Southeastern University (NSU) coordinated with FDEP-CRCP, Communications Contractor, Facilitator, and Process Planning Team (PPT) as necessary to develop and plan the presentation of the information about the chosen spatial analysis tool, access to the tool, how it will be used, and availability of associated datasets. NSU provided question and answer support about the product and associated datasets during the OFR CWG meetings and immediately following (up to end of contract period). NSU was the main point of contact for triaging technical support issues before delegating them to the decision support tool contractor.

NSU attended almost all CWG meetings and Community Meetings and noted information or discussion related to the tool. Specifically, a list of GIS datasets that were presented to the Community Working Groups, list of information requests (such as documents or reports), and list of data or GIS related requested, were recorded for each meeting. This list was given to the CRCP staff and/or facilitator the day after each meeting to be used during the debrief. At that time each ask or task was assigned either to the tool support team or others as appropriate. NSU recorded information as it related to the tool and spatial information at the Community Meetings. It should be noted that many meetings did not reference the tool or spatial work, and therefore they had no associated report out because nothing was discussed. Also NSU created, edited, and provided 15 large format (2'x3' to 3'x6') full color maps and graphics to the CWG or Community Meetings as necessary during the planning process.

This report includes the information tabulated on the Decision Support Tool and OFR Survey discussions during the *Our Florida Reefs* CWG meetings, CWG process agenda planning meetings, and CWG debrief meetings between November 1, 2014 and June 15, 2016 (Table 1). This includes the initial six months and the final six months after the contract amendment that modified the tasks.

The meeting notes herein were the opinion of the contractor and were not reviewed by meeting participants.

Table 1. Meetings attended by Dr. Brian Walker and/or Amanda Costaregni from November 1, 2014 through June 15, 2016 related to OFR CWG support.

	Meetings Attended	Date	Time
1	OFR NCWG Meeting	11/10/2014	9:00am- 5:00pm
2	Debrief for NCWG Meeting	11/12/2014	10:00am-12:00pm
3	OFR SCWG Meeting	11/19/2014	9:00am-5:00pm
4	Debrief for SCWG Meeting	11/20/2014	10:00am-12:00pm
5	OFR Weekly update	11/26/2014	10:00am-10:30am
6	OFR Weekly update	12/3/2014	10:00am-10:30am
7	OFR Weekly update	12/17/2014	10:00am-10:30am
8	OFR Weekly update	1/23/2015	2:00pm-2:30pm
9	OFR Weekly update	2/4/2015	10:00am-10:30am
10	OFR work plan development meeting	2/25/2015	9:00am-5:00pm
11	Decision Support Tool Training	2/26/2015	2:00pm-3:00pm
12	OFR Weekly update	3/11/2015	10:00am-10:30am
13	OFR Process agenda Meeting with Anne and Heidi	3/12/2015	9:00am-10:30am
14	Place-based RMA conference call w FDEP	3/17/2015	1:00pm-3:00pm
15	OFR South CWG March Meeting	3/18/2015	9:00am-5:00pm
16	OFR South CWG March Meeting debrief	3/19/2015	10:00am-12:00pm
17	Walk through of the DST	3/23/2015	3:00pm-4:00pm
18	OFR North CWG March Meeting	3/25/2015	9:00am-5:00pm
19	OFR North CWG March Meeting Debrief	3/26/2015	8:00am-10:00am
20	DST training planning with Lauren	3/31/2015	2:00pm-4:00pm
21	OFR check-in meeting	3/31/2015	4:00pm-5:00pm
22	Process Agenda follow-up meeting	4/2/2015	9:00am-11:00am

	Meetings Attended	Date	Time
23	OFR Weekly update	4/8/2015	10:00am-10:30am
24	OFR South CWG April Meeting	4/15/2015	9:00am-5:00pm
25	OFR South CWG April Meeting debrief	4/16/2015	10:00am-12:00pm
26	OFR North CWG April Meeting	4/22/2015	9:00am-5:00pm
27	OFR North CWG April Meeting debrief	4/23/2015	10:00am-12:00pm
28	OFR Weekly update	4/29/2015	10:00am-10:30am
29	May OFR meeting process agenda discussion	5/4/2015	12:00pm-2:00pm
30	OFR Weekly update	5/6/2015	10:00am-10:30am
31	Process Agenda follow-up meeting	5/13/2015	9:00am-10:30am
32	OFR South CWG Meeting May	5/20/2015	9:00am-5:00pm
33	OFR South CWG Meeting May debrief	5/21/2015	10:00am-12:00pm
34	Mapping break-out facilitation discussion	5/26/2015	4:00pm-5:00pm
35	OFR North CWG Meeting May	5/27/2015	9:00am-5:00pm
36	OFR Process agenda follow-up call 1	6/1/2015	9:00am-11:00am
37	OFR Weekly update	6/3/2015	10:00am-10:30am
38	OFR Process agenda follow-up call 2	6/8/2015	2:00pm-4:00pm
39	OFR Weekly update	6/10/2015	10:00am-10:30am
40	OFR South CWG June Meeting	6/17/2015	9:00am-5:00pm
41	OFR South CWG June Debrief Meeting	6/18/2015	10:00am-12:00pm
42	OFR North CWG June Meeting	6/24/2015	9:00am-5:00pm
43	OFR North CWG June Debrief Meeting	6/26/2015	10:00am-12:00pm
44	OFR Planning Meeting	7/9/2015	9:00am-5:00pm
45	SEFCRI/TAC Planning meeting	7/15/2015	1:00pm-3:00pm
46	SEFCRI/TAC Planning meeting	7/23/2015	8:00am-10:00am

	Meetings Attended	Date	Time
47	SEFCRI Team and TAC Meeting	8/5/2015	9:00am-12:00pm
48	OFR Matrix for Prioritization Meeting	8/12/2015	3:30pm-4:30pm
49	OFR September Process Agenda Call	8/13/2015	10:00am-12:00pm
50	OFR September Process Agenda Call #2	8/21/2015	1:00pm-3:00pm
51	OFR September Process Agenda Follow-up Call	8/24/2015	10:00am-12:00pm
52	OFR Spatial RMA Planning	8/28/2015	9:30am-10:30am
53	OFR September Process Agenda Follow-up Call	8/31/2015	2:30pm-3:30pm
54	OFR Joint CWG Meeting Day 1	9/16/2015	9:00am-5:00pm
55	OFR Joint CWG Meeting Day 2	9/17/2015	9:00am-5:00pm
56	OFR Joint Meeting Debrief	9/18/2015	9:30am-11:30am
57	OFR October Meeting Process Call	9/28/2015	12:00pm-2:00pm
58	OFR Weekly update	10/7/2015	10:00am-10:30am
59	OFR Weekly update	10/14/2015	10:00am-10:30am
60	OFR October Meeting Process call follow-up	10/15/2015	1:00pm-3:00pm
61	OFR October Joint CWG Meeting Day 1	10/21/2015	9:00am-5:00pm
62	OFR October Joint CWG Meeting Day 2	10/22/2015	9:00am-5:00pm
63	OFR October Joint CWG Meeting Debrief	10/23/2015	10:00am-12:00pm
64	OFR November Meeting Process Call	11/4/2015	12:00pm-2:00pm
65	OFR Process Agenda Call for Nov. Meeting	11/12/2015	3:00pm-5:00pm
66	OFR Joint CWG Meeting @ Fern Forrest	11/18/2015	9:00am-5:00pm
67	OFR Joint CWG Meeting Debrief	11/19/2015	10:00am-12:00pm
68	OFR 2016 Community Meeting Planning Call	12/7/2016	10:00am-3:00pm
69	The Return of the PPT	1/11/2016	1:00pm-3:00pm

	Meetings Attended	Date	Time
70	OFR Community Meeting Dress Rehearsal	1/19/2016	9:00am-1:30pm
71	OFR Weekly update	1/20/2016	10:00am-11:00am
72	OFR Community Meeting Martin County	1/26/2016	12:00pm-2:00pm and 6:00pm-8:00pm
73	OFR Community Meeting North Palm Beach County	1/27/2016	12:00pm-2:00pm and 6:00pm-8:00pm
74	OFR Community Meeting South Palm Beach County	1/29/2016	12:00pm-2:00pm and 6:00pm-8:00pm
75	OFR Community Meeting debrief	2/1/2016	10:00am-12:00pm
76	OFR Community Meeting Broward	2/16/2016	12:00pm-2:00pm and 6:00pm-8:00pm
77	OFR Community Meeting South Dade	2/17/2016	12:00pm-2:00pm and 6:00pm-8:00pm
78	OFR Community Meeting North Dade	2/18/2016	12:00pm-2:00pm and 6:00pm-8:00pm
79	OFR Community Meeting debrief	2/19/2016	9:00am-11:00am
80	OFR Process call	2/29/2016	10:00am-12:00pm
81	The PPT and Vice Chairs love OFR Community Meetings!	2/29/2016	1:00pm-3:00pm
82	OFR Weekly update	3/2/2016	10:00am-10:30am
83	OFR JCWG Meeting Day 1	3/9/2016	9:00am-5:00pm
84	OFR JCWG Meeting Day 2	3/10/2016	9:00am-5:00pm
85	OFR Community Meeting debrief	3/11/2016	10:00am-12:00pm
86	OFR Process Onboarding 2	3/25/2016	10:00am-12:00pm
87	OFR Process call	3/28/2016	10:00am-12:00pm
88	OFR Onboarding New Members talk on habitat, survey, and Marine Planner	3/31/2016	9:00am-11:00am
89	OFR Joint CWG Meeting Day 1	4/06/2016	9:00am-5:00pm
90	OFR Joint CWG Meeting Day 2	4/07/2016	9:00am-5:00pm
91	OFR debrief	4/08/2016	10:00am-12:00pm
92	Lauderdale-By-The-Sea City Commission OFR presentation	4/12/2016	6:00pm-8:00pm
93	OFR Process call	4/27/2016	9:00am-12:00pm

1. COMMUNITY WORKING GROUP IN-MEETING SUPPORT

1.1. November 2014 CWG Meeting Minutes as they apply to the DST

1.1.1. South Community Working Group Meeting in November 2014

Table 2. All data layers presented at the south CWG meeting in November 2014

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
<i>No map layers were presented during this meeting</i>			

GIS Related Notes and/or GIS Data Layer Requests

- Erin Hogue from Tetra Tech pointed out that the maps may be missing .8 acre artificial reef off the town of Palm Beach. It is a 3.1 acre artificial reef in the nearshore area between R76 and R132
 - Erin pointed out another artificial reef that may be missing off the mooring balls at Breakers that is out from the old sunken pier.
 - Suggested contacting Keith Millie for an updated artificial reef layer database.
- 1) South CWG Review of Management Recommendations Needing the DST
- a) S-111: Good to know if you want to move through with this recommendation because it may require a different tool design. NO
 - b) S-92: Can just use the simple map of the reef to show where people cannot anchor at an event. Tool not needed for this RMA. NO
 - c) S-2: RMA was mainly referring to the program development. The tool could be used later to select locations for the mooring buoys however. YES
 - d) S-9: If the “where” needs to be part of the RMA later, then we can change it back to spatial. NO
 - e) S-28: If this RMA is looking at what is occurring now then it is within the scope but if it is looking at historical data it is not because we do not have this data. NO
- *Can ask Jack Stamates for data on how the inlet plumes are affecting the reef
 *Jeff Torode interested in seeing where watershed is affecting corals.
 S-121: Tool not needed. Only data layers that show where dumping has occurred.
 *For the shipping RMA, shipping lane changes is something Brian can easily do and accomplish without using the tool.

1.1.2. North Community Working Group Meeting in November 2014

Table 3. All data layers presented at the north CWG meeting in November 2014

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
<i>No map layers were presented during this meeting</i>			

GIS Related Notes and/or GIS Data Layer Requests

- 1) North CWG Review of Management Recommendations Needing the DST
 - a) **N-54:** Install weather reporting equipment (linked to N-134). Weather reporting equipment would go on the beacons. YES changed from No
 - b) **N-60:** Identify and implement fisheries management measures in the SEFCRI region. Dana’s original intent was not spatial but a state (region)-wide regulation approach. NO changed from Maybe
 - c) **N-78:** Reduce groundwater pollution in targeted watersheds. Tool could help identify what is a priority area to target. Tool could assist with first part of recommendation but not second part. YES changed from No.
 - d) **N-81:** Create storm-water catchment areas. Catchments have already been proposed by SFWMD. The locations of these proposed areas could be put into the MP. Must get information from SFWMD. No
 - e) **N-84:** Reduce stormwater runoff in targeted watersheds, similar to N-78. Can use tool to find priority reef areas to focus on. YES changed from No.
 - f) **N-97:** Target LBSP reduction activities at identified hotspots. Problem is that hotspots move around so pinpointing the spot would be difficult. The criteria to determine a hot spot would need to be determined. May be complicated with the tool and take a long time to develop but need to have more discussions before deciding. If hotspots are already identified, may not need the tool. YES changed from Maybe
 - i) Are there data on areas off shore that show seepage areas?
 - ii) Could you provide locations of the water test areas? Yes, get from SFWMD and enter into MP. Kurtis Gregg expecting the Watershed Scale Planning for LBSP report to be ready by spring. It will indicate the canals that empty into the lagoon and the hotspots for LBSP. Will include loading estimates into canals and tributaries.
 - g) **N-102:** Install permanent erosion stabilizers. Based more on dynamics of current and wave action and bottom substrate. More suited for engineering design. NO changed from Maybe
 - h) **N-103:** Monitor coral reef fauna and flora on a semi-annual basis. NO same as decided by us.
 - i) **N-115:** Restore and enhance coral reef and nearshore hardbottom habitats. Broad recommendation. Not much guidance on how we would use the tool. Perhaps if

- there was a list of areas that are degraded and that should be prioritized. Not aware of any data to date. James B. said the key is that there may be different objectives to the select the site. As it is, it is too broad but maybe it could become spatial later when it is more developed. Maybe same as decided by us
- i) Is there a current comprehensive list of injured reef areas?
 - j) **N-116:** Coordinate regional “living shoreline” objectives. TNC is already working toward this goal. Will chat with James to possibly collaborate. YES changed from Maybe.
 - k) **N-128:** Increase the total area of mangrove, seagrass, oyster beds, corals, and other habitats. If it is a recommendation CWG would like to move forward, we will need to work on getting appropriate data sets. Brian said it may be an issue of permissions however Dana countered that permissions shouldn’t inhibit action from being recommended. Look up coastalresilience.org (TNC). They are working with the counties to identify potential living shorelines. Will require similar data to N-70. YES changed from Maybe.
 - l) **N-134:** Install marker buoys to clearly designate the boundaries of different use areas. Would be put in place after this process. Similar to the beacons installed in the Keys. Install in all of the popular dive site locations. They would be permanent, lighted structures to use for reporting and as major markers to show location of sensitive reefs. Brain says we wouldn’t use the tool to design placement of beacons. Could possibly use the tool to located sensitive areas to install the beacons though. Issue may be that the tool will use larger footprint size than may be appropriate for this recommendation. MAYBE same as decided by us.
 - m) **N-138:** Conduct reef, waterway, and beach clean-ups. Recommendation more about getting collaborative groups together to organize efforts more than targeting areas for efforts. NO changed from Maybe.
 - n) **N-139:** Direct impacts to Coral Reef ecosystem. Already a define area. NO same as decided by us.
 - o) **N-140:** Restrict anchoring in preserve. Would include the whole stretch of reef in SEFCRI areas or whatever area is designated preserve. NO same as decided by us.
 - p) **N-142:** Install a limited number of mooring buoys. NO same as decided by us.
 - q) **N-148:** Nominate southeast Florida reef tract for National Marine Sanctuary. Dana suggested may need to decide on an area to make nomination but was not sure what the nomination process entailed. This can be decided at a later date as there are other recommendations that have been identified as needing the tool that will identify these areas. Not eliminating the idea but just trying to narrow down the list for Point97 to start developing DST designs for the spring. NO same as decided.

1.2. March CWG 2015 Meeting Minutes as they apply to the DST

1.2.1. *South Community Working Group Meeting in March 2015*

Table 4. All data layers presented at the south CWG meeting in March 2015

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
<i>No map layers were presented during this meeting</i>			

GIS Related Notes and/or GIS Data Layer Requests

PLACE-BASED RMA DISCUSSION

1) Nominate SEFL reef tract for National Marine Sanctuary

- N-148 & S-65
- S-65 (still need to determine the eastern/western boundaries – to be worked out as this RMA moves forward)
- Include 1 mile north of St. Lucie Inlet (as suggested by N-148)
- Include eastern boundary from S-65 (90 m isobath similar to FKNMS).
- Alternate suggest to have a deeper eastern boundary because SEFCRI region is a different area.
- Want to be sure to include state waters and the 3rd reef. Into the pelagic areas might be problematic.
- 90 m isobaths = ~300 feet depth.
- Reefs in northern extent of SEFCRI region are deeper (there is no 3rd reef).
- BW: Sallow-water reefs go to about the 110 foot contour, with some smaller areas past that. Then there is a sediment bottom until about 70 – 90 m area where there is a change in seafloor slope where there is exposed rubble/ledges. Beyond that there are terraces.
- Focus on shallow areas – within 40 m
- 90 m isobaths was because it was an exclusion zone for big ships. This may not be necessary here.
- Consideration of artificial habitat? (e.g., has wrecks in deep water >300 feet).
- Goal is to choose some eastern boundary for an NMS. This does not mean there will be restrictions in that boundary. There could be other MPAs in here that go to different eastern boundary (e.g., national park goes to the 18 m isobaths).
- BW: FKNMS outer reefs are very shallow compared to SEFL reefs.
- Consider what is most likely to be approved in a nomination process.
- Start with the most level of area/furthest boundary; it’s easier to reduce than to increase boundary.
- What is the depth at 3 miles? It varies. To protect habitat it’s best to use depth to define the eastern boundary.

- Spawning aggregation studies in FKNMS show that spawning happening on deeper reefs. We don't have these aggregations identified in SEFCRI region yet, so it might make sense to consider these deeper areas for inclusion until we have more information.
- Consider difficulty with enforcing a 90m depth (which will vary along the coast). It will be easier to enforce a box. Most boats have depth finders on their boats so they can know how deep they are, but they don't always know where they are.
- FKNMS do not have a straight line.
- A longitudinal line/box is more easily enforced. Coordinates creating a straight line boundary can be associated with depth.
- These coordinates can be used to trace a line on the chart (the line will change with tide).
- With 90 m isobath, we then encompass some federal waters in addition to state waters.
- Point of where we want a boundary is to protect nearshore coral reefs – we can go back and figure out where that is on a map.
- There is conflict between the 2 RMAs. This is to be resolved with future discussion.

2) General MPAs

- Combine all general (S-16, S-20, N-100, N-144) under N-146 (see new title below).
- New wording: N-146: Establish and implement an MPA zoning framework for the SEFCRI Region that includes but is not limited to no-take reserves, no anchor areas, restoration areas, and seasonal protection for spawning aggregations to enable sustainable use, reduce user conflict, and improve coral reef ecosystem condition.
- Combine all General (S-16, S-20, N-100, N-144)
- New wording for N-146 as overarching RMA
- N-146. These are the specifics that could be included in N-146 (how to establish MPAs, what criteria should be considered). N-146 can be the umbrella RMA; the other 4 are tools to use for the implementation of that.
- N-146: Establish and implement an MPA zoning framework for the SEFCRI Region that includes but is not limited to no-take reserves, no anchor areas, restoration areas, and seasonal protection for spawning aggregations to enable sustainable use, reduce user conflict, and improve coral reef ecosystem condition.
- Pull objectives to achieve in zoning framework. From S-20 into the umbrella RMA.
- MPA doesn't define a specific level of protection.
- NMS can be considered an umbrella MPA; these could be considered creating a system of MPAs in that area, some of which have more protection.

3) Specific MPAs

- There was some discussion that all but 2 RMAs (S-18 and N-137) could be binned as considerations under the RMA just modified (new N-146). However, because the group wants to preserve the ability to support / not support and/or prioritize those specific options, they will not be combined under the general RMA.
- Consideration of combining specific place-based RMAs under the new combined general RMA:
- New wording: N-146: Establish and implement an MPA zoning framework for the SEFCRI Region that includes but is not limited to no-take reserves, no anchor areas,

- restoration areas, and seasonal protection for spawning aggregations to enable sustainable use, reduce user conflict, and improve coral reef ecosystem condition.
- S-22: Develop marine protected zones in local high density coral areas to reduce anthropogenic impacts and improve coral protection for local healthy sites.
 - 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.
 - 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.
 - S-84: Create no-take zones for sharks and barracuda in aggregate areas to protect overfished predators in areas where most vulnerable.
 - S-123: Create, establish, and monitor no take areas to comprise at least 20-30% of SEFCRI Region and incorporate evaluation.
 - 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.
 - These might all be options under N-146. *When looking at support from different agencies/user groups, etc. One or more of these options might not be supported. We need to preserve the details of these RMAs that will be combined under this umbrella.
 - Important to maintain specificity that these were developed to address certain focused problems.
 - These will be further defined with spatial work.
 - S-38 – Has a different incentive; looks like a research question (need to establish marine reserves in all areas to determine relative impacts). Do you invest management effort in improving water quality or fishing issues? This could be accomplished with an MPA design.
 - Concern that these are being added under this larger umbrella too early. There might be potential to include these as options under the umbrella RMA, but they should be better developed first. This might need to be re-visited through May and June.
 - S-84 might be a fishery management measure; not a place-based consideration.
 - Possibly could be place-based if you target certain hot spots/aggregation areas (e.g., lemon shark aggregations) – Marine managed area.
 - We can look at this data with the spatial tool.
 - Work backwards using spatial tool to see what data exist; want to avoid highly specific zones in small areas.
 - Other RMAs might also need to be included in this: S-69, S-70, S-19, S-20
 - Include coral DIVERSITY in addition to density. Include octocorals, sponges, etc.
 - These RMAs will be helpful in selecting criteria to create an MPA framework.
 - Suggest archiving S-16 b/c it is redundant with S-123. (S-16 will be archived because it was combined under N-146).

1.2.2. North Community Working Group Meeting in March 2015

Table 5. All data layers presented at the north CWG meeting in March 2015

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
<i>No map layers were presented during this meeting</i>			

GIS Related Notes and/or GIS Data Layer Requests

PLACE-BASED MPA DISCUSSION

1) Nominate SEFL reef tract for National Marine Sanctuary

- To be combined N-148 and S-65. South group agreed with combining with discussion on boundaries.
- North group agrees with combining
- Get rid of word “federal” from title of N-148
- Remove website
- Period after protection. Do not include “for the southeast Florida reef-tract”
- Kurtis suggested adding the word mandate because just nominating does not provide management.
- **N-148 Nominate southeast Florida reef tract for National Marine Sanctuary to provide comprehensive protection and establish a mandate for ecosystem based management.**
- Archive S-65 as it is included in N-148
- Broader doesn’t give it a geographical component? Change broader to “comprehensive” to avoid people taking the word broader the wrong way.
- Will discuss extent of area at a later time when using the Marine Planner. Nomination process does not require that you establish boundaries from day one.

2) General MPAs

- Agree with keeping the SCWG recommendation for new wording for N-146 as overarching RMA
- South group maintained six as separate management recommendations because they didn’t want to lose the specificity of each one of them.
- There is concern that you are not able to achieve all of them so it is hard to leave them separate. They are all diff criteria that could and should be considered when addressing N-146
- S-84 for ex. What the title says and what the tier one showed it intended it to do did not match up.
- No-take reserves would be for all extractive uses
- Possible to include all of these ideas for consideration when implementing.

- Do not think we should be deciding what the components should be just yet. Each MPA could have diff components depending on the location it is at.
- S-82 and N-147 both excluding commercial fishing traps, etc.
- Need to preserve details of these to be combined under the umbrella of N-146.
- Dana- in worksheets provide a list of considerations that the groups recommended but no longer have them as actions but considerations.
- North proposes that they are archived and list these as considerations in (title and intent) under umbrella RMA N-146. Information not lost. To be considered but not the only things to be considered. Criteria can be added later.
- Not only high coral density but species richness including hard coral, gorgonians, and sponges.

3) Specific MPAs

- S-18 and N-137
- COTF discussed and Broward has some rights over their submerged lands.
- Questionable whether the counties have the jurisdiction to fulfill S-18 (design and designate county marine parks)
- N-137 Designate SEFCRI as a particularly sensitive sea area (PSSA)
- PSSA is area that needs special protection through the National Marine... and may be vulnerable to maritime activities. When an area is approved specific measures can be maintained such equipment requirements for ships and vessel traffic services. Designation is international but can be regulated by state. (Need to fix definition)
- N-137 should stand alone because not part of MPA

1.3. April 2015 CWG Meeting Minutes as they apply to the DST

1.3.1. *South Community Working Group Meeting in April 2015*

April SCWG Meeting

Table 6. All map layers presented at the south CWG meeting in April 2015

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
<i>No map layers were presented during this meeting</i>			

GIS Related Notes, Questions, and Comments

1. Kurtis Gregg suggested to add RVC habitat data for coral, gorgonian, sponge cover. Around 3000 sites for the last three years. Four observations in each RVC site. Would add a lot of coverage to planning area.
2. Is distance in planning unit filtering, statute miles or nautical miles? (Kurtis Gregg)

Marine Planner Spatial Tool Demo

1. Log-in to Marine Planner is first part of email address before the @ symbol and the password has been reset for most members to OFR123
2. SCWG members did not have access to the designs tab. Permissions needed to be added in Django. Emailed Point97 to sort the issue out but did not hear back before the end of the demo.
3. Will there be a way to filter out shared designs? A toggle of some sort?
 - i) Brian said it was a good idea and that he'd look into it
4. CWG member asked if you could delete your own drawings
 - i) Yes you may delete your own but not shared drawings. You may also copy others shared drawings and make edits to them as you wish.
5. CWG member asked if the drawing can be enlarged and printed with the report on it?
 - i) Not now but we are having developers working on it. Right now you can only zoom in and enlarge the drawing, bookmark and share. The print function existed at some point in time but was removed. It should be added in the future.
6. Once drawing is saved, then the report is populated. You must save it first to populate though. Reporting function is still being worked on.
7. *Acropora cervicornis* drawings- what was the difference between the three.
 - i) No difference between the top two. It was just how they were shared. Outgoing arrow means it is a layer you created and shared and ingoing means that someone shared it with you.
8. If someone shares drawing you can't change it?

- i) No you can copy, edit, rename and share. Do not share everything immediately
- 9. How do you get info on where the data is from?
 - i) Click the information button (lower case i)

Spatial MA Discussion

- 1. General place-based: combine all under N-146
- 2. Specific place-based RMAs kept separate: N-146, S-18, N-137, S-22, S-38, S-82, S-84, S-123, N-147
 - a. All are essentially design criteria for N-146
 - b. If included as criteria for consideration when designing instead of isolated management actions that need to be prioritized. It allows to consider everything together in a more holistic view.
 - c. Comfortable putting all RMAs under N-146 as criteria.
- 3. National marine sanctuary- S-65 and N-148
- 4. Place-based- N-146, S-18, and N-137
- 5. Mooring Buoys- N-143 and S-2
- 6. Prioritize these 7 RMAs to use in the DST
- 7. Two meetings to use the tool together but will most likely not have time to tackle all of them so SCWG votes on two that they feel are most important to use in tool first. This is only for the group. As individuals, the members can still work on MAs on their own.
 - i) S-65 and N-148 cannot really use the tool at this time as it is to nominate the whole region as a Marine Sanctuary so now only five RMAs to prioritize.
 - ii) N-146 – MPA – 6 votes
 - iii) S-18- none
 - iv) N-137- 2 votes
 - v) S-2 create and fund one SEFCRI wide program- 8 votes
 - vi) N-143 -2 votes for temporary and permanent no anchor zones
- 8. SCWG chose N-146 and S-2 to work on in the Marine Planner in May

1.3.2. North Community Working Group Meeting in April 2015

NCWG April 2015 Meeting GIS and Spatial Related Notes

Table 7. All map layers presented at the north CWG meeting in April 2015

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
Kurtis Greg	Inlet Contributing Areas	yes	Currently in the Marine Planner

GIS Related Notes and/or GIS Data Layer Requests

1) Current Events

a) Kurtis Greg during Current events- **presented Inlet Contributing Areas map (layer is currently in the Marine Planner)**

- i) The study looks at where the water going out of each inlet comes from. The study was funded by the NOAA Coral Reef Conservation Program and conducted in part by Horsley Whitten group. They partnered with SFWMD. From the study they learned that one bank of the canals is higher than the other so water goes in through one side and into another basin on the other side.
- ii) There are 9 inlet contributing areas with interesting geometry
- iii) The goal of this study is to learn how to get cleaner water into and out of Lake Okeechobee. They would like to improve water quality, quantity and distribution of.
- iv) Currently, Lake Worth Lagoon has a management plan that takes care of 2 ICAs but not much is being done further south.
- v) **-Question from Greg Braun:** For the St Lucie inlet contributing area, the reality is that Lake Okeechobee and the Kissimmee valley system discharges through C44. So why is it not colored in purple like rest of St Lucie?
-Answer from Kurtis Greg: It is not colored in purple because it is in the Lake Okeechobee water shed. This study was done under the normal condition, not a water supply condition. In a normal year only 25% of loading comes from Lake Okeechobee. Most of loading is actually coming from Inlet contributing areas.

2) Marine Planner DST Presentation and Training

- a) N-133 management action practice: mooring ball sighting. Objective to decrease damage by boat anchors my increasing mooring buoys
- b) Look at tier 1 and 2 info and spatial worksheet to know what features and values are needed for this RMA.

- c) For example, a comment in the tier 1 worksheet says mooring buoys do not work in Palm Beach because of danger of high current.
- d) Important features to look at: existing mooring buoys, artificial substrate, percent reef, distance from inlet...
- e) Use cheat sheets to go through and figure out where needed layers are before-hand to help with filtering and design process.
- f) **Issue:** On tablets, you are unable to scroll down the list on page 1 (HABITAT).
Fix: If you zoom in and your mouse icon is over the drop down list rather than the map, it zooms in on the list so that you are unable to scroll down further. If it is zoomed back out, there shouldn't be a problem.
- g) It is a good idea to go in and turn on current mooring buoy layer in the end to see what sites already have mooring buoys on them and which sites that fall under planning units do not have any buoys.
- h) You could then look at the anchoring data (pg. 5) and survey use data (pg. 4) to see which sites have more use. Once selected, you can see that those sites are being anchored on and heavily used so it may be a good area to place mooring buoys.
- i) To create a drawing, keep left clicking and moving mouse in the shape that you want. Double click to close the shape.
- j) You must save drawing to get a proper report of the area.
- k) If you left click your drawing, a report will pop up that gives you all of the information associated with the drawing you created.
- l) **Question:** (Todd Rimmel) Are you able to look at linear data such as sea turtle nesting?
Answer: A lot of the features just ended up being visual so if it's not a filtering feature. Using the visual cue you could create a drawing so you can see the areas associated with those areas. If you did the filtering and saved the design, you could also pop on the visual layer to see which of your filtering options work with visual data you are interested in. You can incorporate the filtering and visual layers at the same time.
- m) You can use the filtering and drawings as an additive effect especially when you wish to look at data that is very specific and would yield few if any planning units when paired with other filters.
- n) **Question:** How do you know what each filtering feature means? Like coral bleaching?
Answer: Under the layer it should tell you whether it's density of coral or coral reef cover or bleaching index. The info button will display more information on how the data was collected, what it means, etc.
- o) Brian explained the survey recreational fishing/diving overlap layer and how it was created. One thing to note about the scale is that it is heavily skewed toward diving because there was a lot more diving activity collected in the OFR survey.
- p) **Question** (Kathy Fitzpatrick): What does the Feedback tab do? If you hit send feedback, who does the feedback go to?
Answer: It goes to the developers. If it is a something about how the tool works the developers will handle it. If it's more process related than the developers will contact Brian, Amanda, or Lauren to address the feedback.

1.3.3. *Decision Support Tool Training Outline*

- q) **Question** (Greg Braun): To what extent are corals mapped in the inlets and lagoons?

Answer: As far as Brian knows they aren't mapped at all. They certainly occur but he doesn't think anyone has gathered that specific information. This effort is really focused offshore because the OFR process was designed to come up with management options on the reefs offshore, not the estuaries and intercostal areas.

3) Prioritization of Spatial Management Recommendations to be Used in the Tool During the May Meeting

- a) The SCWG decided to start with the mooring buoy MA S-2. The North group agreed to work on that RMA first using the DST during the May meeting as well.
- b) They will then work on the MPA recommendation N-146

1.4. May 2015 CWG Meeting Minutes as they apply to the DST

1.4.1. *South Community Working Group May 2015 Meeting*

South Community Working Group May 2015 Meeting

Table 8. All map layers presented at the south CWG meeting in May 2015

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
<i>No map layers were presented during this meeting</i>			

GIS Related Notes and/or GIS Data Layer Requests

- 1) Request to add feature in the Marine Planner with Florida Keys National Marine Sanctuary and Biscayne National Park.
- 2) Dan Clark was concerned that the anchored boat density layer may have been shifted. This was investigated and it was found that the anchored boat density layer is projected correctly on the map.
- 3) CWG members inquired what boat density number bins correlated with low, medium, high, and very high in the Behringer data. Low = 1-5, Medium = 5-10, High = 10-25, and Very High = 25-50.

1.4.2. North Community Working Group May 2015 Meeting

North Community Working Group May 2015 Meeting

Table 9. All map layers presented at the north CWG meeting in May 2015.

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
James Byrne	FRRP recent mortality prevalence map	yes	Currently in the Marine Planner as coral bleaching, disease, and resilience layers

GIS Related Notes and/or GIS Data Layer Requests

1) Current Events

- a) Bleaching Current Events
 - i) FRRP recent mortality prevalence map in Florida Keys after recent bleaching event. Anything above 2% mortality is significant and there were a lot of values above.
 - ii) Coral bleach watch map made by NOAA. NOAA Cora Reef Watch. Seasonal Coral Bleaching Thermal Stress Outlook.
 - iii) Karen- Seafan.net program and bleach watch program. Class on June 25th for the Bleach Watch Program.
- b) Coastal Ocean Task Force Meeting Update
 - i) June will probably be final meeting as a body
 - ii) Received good consensus on list of recommendations. Sanctuary recommendation biggest opposition. Some didn't like idea of it being NOAA sanctuary when it is in state waters. Decided that a comprehensive management body needed.
 - iii) Have sub-set group to move the recommendations forward past just drafting them. Led by a non-governmental group.
 - iv) Nicole Ordway- June coral reef month for ForceE Dive Shop. During that month will be posting the PSAs and OFR updates on the ForceE facebook site so that may get more input from other stakeholders in southeast Florida. Karen is doing a bleach watch presentation, clean-ups scheduled, RapaNui ship sinking on June 7th.

2) Spatial Siting Objectives for Mooring Buoys Recommendation- Group Discussion

- a) Objective 1- Reduce anchoring damage to reefs
- b) Objective 2- Designate limited use areas

- c) Designation of no anchor zones clearer than saying designate limited use areas. Objective 2 now says- Designate limited use areas such as no anchor zones.
 - d) List of feature and values available to site locations will be used when in breakout groups.
 - e) Only targeting no anchor zones in relation to mooring buoys.
 - f) Not a legislative designation but you won't anchor in the location because there is a mooring buoy.
 - g) Is there enforcement on top of the mooring buoys. E.g. Busy weekends when mooring buoys are full, people drop anchor.
 - h) Working on siting today. The other component that will come into play later is the "how" that needs to be fleshed out later. Tool will help site where but other details will come later to implement action.
 - i) One is an ecological objective and the other is a social objective of where high use areas that could use mooring buoys. Two different ways of approaching the siting of the recommendation. These could be competing ideas and thus competing objectives.
 - j) Maybe change objective 2 to "Establish mooring balls to accommodate user need and protect the reef." So if you have a popular dive site that doesn't show up as a great reef site, you may want mooring buoys to enhance user experience even if the reef is not benefiting as much. This wording was thrown out at end of discussion.
 - k) Work on Objective 3 rather than objective 2?
 - l) Objective 3- Control use of reef sites (via the number of buoys deployed/restriction on anchoring within a pre-determined distance from those areas).
 - m) Decided to work on Objective 1 and 3 rather than 2.
 - n) How would you decide on the number of mooring buoys using the tool? Not useful at this time. Should be looking at where now.
 - o) Separate the where and implementation right now.
 - p) This is partially a scale issue. We're not looking at exact locations right now. Just broader areas on the reef.
 - q) Now looking at why we're putting where we are but number, implementation, and enforcement will come later.
- 3) Report out for Lauren's group for S2**
- a) Filtered by depth, percent reef, Anchoring, percent coral, exclude mooring buoys.
 - b) 16 anchors at breakers but they rotate them and all 16 aren't there at all times.
 - c) Another spot was north of mooring buoys south of Hillsboro inlet. High anchoring may be high because current flows north and may be good for fishing.
- 4) Report out for Brian's group**
- a) Although no coral in St. Lucie, high reef coverage. 10% or higher reef coverage.
 - b) Good depth, a lot of reef usage in location.
 - c) Looked at Breakers Reef area where average depth was 20 feet and anchoring was med-high. 10% or greater reef coverage.
 - d) Opposition to mooring balls off Breakers. Municipality does not want buoys there.
 - e) Further south, off John U. Lloyd State Park south of Port Everglades. Technically an exclusion zone for navy but still a lot of anchoring occurring there.
 - f) Included a large area so that if it gets reduced hopefully what they want to protect will still be included.

5) Group Mooring Buoy Discussion

- a) Purpose of identifying boxes was showing where priority areas for mooring buoys are whether they are there already or not.
- b) Objective for Brian’s group was to increase number of mooring buoys in St. Lucie reef because they are heavily used.
- c) Yes, to the St. Lucie area designation of mooring buoys and breakers area.
- d) Brian’s group suggested adding more mooring buoys closer to shore inside Barracuda Reef.
- e) Area selected just above Suzanne’s ledge where there are mooring buoys showed up as an important area. May be areas where people anchor when buoys fill up.
- f) Looked at some of the south group designs. Area off Hollywood beach area. Area between two mooring balls (the caves) in north Broward, area near Graceland and North Canyon mooring buoys sites, and by South Canyon.

6) Spatial Siting Objectives for MPA management recommendation- Group Discussion

- a) Proposed to add mangroves and seagrass areas specifically
- b) Can we reword *Objective 1*: “Protect unique areas” to say “unique within the SEFCRI region”.
- c) *Objective 2*: Protect vulnerable/sensitive species and habitats.
 - i) Irene: Is it specific enough?
 - ii) Dana: Could say including ESA listed species
- d) *Objective 4*: Protection based on resources (based on scientific/data about resources). What does this one mean? Natural resources, economical resources...?
- e) *Objective 4* removed because it is not clear.
- f) *Objective 5*: Protect areas with high percent coral coverage, density, and species richness. Brian: high density does not mean that much in and of itself. May have a lot of small corals but not as important as one large coral. May want to include coverage as well as density
 - i) Add “and/or” so that any or all can be included.
- g) *Objective 7*: Irene proposed to remove sharks and barracuda and just include all apex predators. Don’t have data for this objective though.
- h) *Objective 8*: Protect 20-30% of the reefs in the SEFCRI region from extractive use (no take).
 - i) Is there a reason 20-30% was chosen? Considered the optimum percentage that will not hurt the fisheries. Balances benefits with the costs.
 - ii) Changed to “protect 20-30% of representative reefs and associated habitats...”
 - iii) Different types of reefs when looking at map of reef tract and there are also differences between the northern and southern reefs. So you would want a representative of each type of reef along the reef tract.
 - iv) About 50% of the mapped area is reef or hardbottom in the SEFCRI region
- i) *Objective 10*: Protect from boating, fishing, and diving impacts
 - a) Eliminate habitat damage from fishing gear and all fishing interactions
 - i) Change to protect habitat and eliminate damage from boating, fishing, and diving impacts and delete part a)
- b) Are Objectives 11-14 spatial in nature? These are almost the how rather than spatial objectives.

- c) Maritime industry objective is actually spatial. We have information on past impacts, impacts on coastal construction, where commercial anchorages are, commercial traffic.
- d) How does SEFCRI define maritime definition? Ships, ports, and supporting infrastructure.
- e) N-146 is a comprehensive zoning plan so include areas to avoid as well as areas to include. Avoid shipping channels, etc. So that there is not an effect on maritime industries.
- f) *Objective 12*: protection from coastal construction
- g) *Objective 13*: Protect from water quality issues
- h) *Objective 16*: Decreased user conflict between extractive and non-extractive uses.
- i) *Objective 17*: Increased resilience to climate change. How is that spatial? This is more of a goal than an objective. Maybe reword to “protect areas of increased resilience”. Don’t have data on what reefs are resilient. Can stay on objective list but changed to red because we don’t have the data.
- j) *Objective 18*: Protect areas of hard corals that have shown signs of resistance to bleaching and disease.
 - i) Best we could do is to look at data that shows areas that have been resistant to bleaching and disease in the past. This data is just for hard corals.
- k) *Objective 19*: Restore coral populations. Would have to say what you want to restore them to. Get to detail when figuring out how to implement.
 - i) Problem is that we don’t have historical data that shows previous condition to restore the reefs to.
 - ii) Restoration suitability analysis because you’re looking at where you want restoration to occur. Identify sites that would be suitable for coral restoration.
 - iii) New Objective 19: “Restore coral populations (Identify areas that are suitable for coral reef restoration).”
 - iv) Put restore depleted fish populations under the restore/improve reef ecosystem condition and add “provide increased protection for key reef-associated fish species and the habitats upon which they depend for their entire life-cycle.
- l) *Objective 21*: Increase fish reproduction and supply of recruits to surrounding fishing grounds through larval dispersal
 - i) Objective 3 already touches on spawning aggregations.

1) Public Comment

- a) Having issues in Blue Heron Bridge where people are taking animals from the site. Diving stakeholders concerned
- b) Identified nearly a dozen more spawning aggregations in SEFCRI region. May have more spawning sites that will be helpful added to the marine planner.

7) Prioritizing Objectives for Spatial Siting of MPA

- a) Objective 6: Protect 20-30% of each type of representative reefs and associated habitats in the SEFCRI region from extractive use (no take) (8 votes)
- b) Objective 3: Seasonal protection for spawning aggregations (5 votes)
- c) Objective 8: Provide increased protection for key reef-associated fish species and the habitats upon which they depend for their entire life cycle (4 votes)

2) Lauren’s group report out

- a) Started with Objective 6 but decided to change to objective 3 because having trouble deciding on features for objective 6.
- b) Added layers of artificial reefs, spawning aggregations. Already had filter of hard and soft coral cover.
- c) A lot of different species of important fish in the area drawn
- d) For objective 6 looked at coverage of hard and soft corals and looked at reef fish density and also pillar coral, large live coral and dense *Acropora* locations.

3) Brian's group report out

- a) Polygons chosen by eco-regions
- b) Started in St. Lucie preserve
- c) Came up with 2 diff alternatives a north and a south area off the inlet
- d) Bottom section towards south end would have less pushback from divers and fishers. Looked at coral density, coral cover, and coral species. Went eco-region by eco-region.
- e) Started off wanting to look at use data but then realized we don't have enough data. Identified areas based on habitat and fish data for now.
- f) Couldn't go by coral data like did up north. Looking at large area of deep ridge complex and tried to find 20% of it. Pulled up fish density and fish species richness. Came up with box that seemed to be a cluster for fish data.
- g) Looked at Zion train and Jupiter ledge area but felt like there may be a lot of pushback from dive community
- h) Important to note that this shape was done quickly and was not a lot of consensus on the area in Palm Beach.

4) Closing Comments

- a) Maybe have spawning aggregation researches come to next meeting to help make more sense of the data and provide further insight.

5) Other Important Requests and Notes to Add

- a) Group requested more data on the Berhinger study. They wanted to know if they could see what the boats were doing, i.e. whether they were diving, fishing, etc.

1.5. June 2015 CWG Meeting Minutes as they apply to the DST

1.5.1. *South Community Working Group June 2015 Meeting*

South CWG June Meeting GIS and Spatial Related Notes

June 17th, 2015

GIS layers presented

Map Layer Presented By	Layer Description	Data in current database?	Requested?/ Action Taken
James Byrne	Biogeographic SEFCRI regions	No	Will be added to MP in next update
James Byrne	Map of Kofiau Conservation Area, Raja Ampat, Indonesia	No	Not in SEFCRI region. Not needed

GIS Related Notes and/or GIS Data Layer Requests

Current Events

- 1) Biscayne National Park has their management plan approved. About 10,500 acres. Some no motor zones around the mangroves.
 - a) How was national park able to work with FWC on their opposition to MPAs?
 - b) State agreed that they would manage fisheries and tried to develop a plan that still allowed recreational fishing but reduced the amount of fishing. Idea to use lottery to restrict fishing but public didn't like that so they thought reserve would be better. Idea was to work with the state.
- 2) Update on COTF meeting
 - a) List of recommendations has been finalized and a lot of good public turn out from various interest groups
 - b) A lot of recommendations focused on beach issues and water quality issues
 - c) Sanctuary as option got removed so recommendation that stayed called for a comprehensive management plan in the SEFCRI region
 - d) TNC volunteered to coordinate an ongoing group to get these recommendations to push through legislature.
 - e) Overlap between their recommendations and the OFR recommendations.
 - f) CCA was adamantly against any application to NOAA for Marine Sanctuary. Pushing for species regulations rather than place based.
- 3) Marine Debris Program. Broward County cleanup is June 27th
- 4) NCRMP Social Science study for SEFCRI region
 - a) Survey done in 2014 to share general public perspectives on coral conservation.
 - b) Peter Edwards and Maria Dillard

- c) Input from 1200 people. Phone survey of general public
 - d) Full report at www.coris.noaa.gov/activities
 - e) Value of coral reef ecosystems. Does public even care? Yes, large majority agreed that they were important for FL culture, tourists, erosion prevention.
 - f) Perceptions of change. Amount of coral and number of fish perceived to be getting worse
 - g) Respondents thought things would get worse if we didn't do something different.
 - h) List of management strategies presented to participants to see what they think would help the reefs.
 - i) Respondents agreed least with limited use
 - j) Agreed most with stricter control of sources of pollution to preserve water quality.
 - k) Highest proportion of "not sure" responses was marine zoning.
 - l) Results consistent with Shivilani's results from 2006.
- 5) Help local and state agencies and elected officials to understand the recommendations being made
- a) See what they need from us to help move these things forward. Anxiously waiting to see what CWGs come up with to help move forward. They are up to speed with what CWGs are doing
 - b) Also working behind the scenes with FWC staff and ready to brief FWC commissioner.
 - c) Talked to head of FDEP Kevin to see what steps need to be taken to move forward within FDEP (who the recommendations should go to) and which recommendations are best to work with.
 - d) State senators and state representatives briefed on OFR at Oceans Day in Tallahassee.
 - e) Johanna talked to federal legislature to tell them about OFR in D.C.
- 1) ***South Group Mooring Buoy RMA Outcome***
- a) From last meeting tried to come up with options for spatial plans for mooring buoy recommendation.
 - b) Focused on southern portion of reef tract
 - c) People in Brian's group focused on Miami-Dade near pillars and south canyon area. Focused on red area because of high anchoring activity east of Graceland near Hollywood.
 - d) Lauren's group came up with large blue area near Hollywood and then a green area near sunrise.
 - e) For south a total of 6 areas were proposed for mooring buoy siting.
 - f) Boat density data being used from the Behringer study conducted on weekdays, weekends and targeted holidays. We created a point density map from the points in the data. Color going over land is because the data analysis wasn't clipped exactly to the coastline.
 - g) Should we keep the two south groups shapes separate or combine them to form one spatial plan for mooring buoys?
 - i) Keep them together because groups talked about different areas
- 2) ***North Group Mooring Buoy RMA Outcome***
- a) Chose an area off St. Lucie Reef just south of St. Lucie Inlet. Behringer data indicated a lot of anchoring occurring there.

- b) Area off Breakers Reef where there was high anchoring.
 - c) Did not focus on any of the deeper areas because current is too high
 - d) Extension of Suzanne's ledge because looked like a lot of anchoring occurring there and not enough mooring buoys
 - e) Area off John U. Lloyd State Park where high anchoring occurred. Some consideration about splitting this larger shape out into two mooring buoy areas. Some of areas is already no anchoring but Behringer data showed that people are still anchoring there.
 - f) North group had 4 areas total. 2 in the north and 2 in the south.
 - g) North groups agreed to combine the two groups ideas.
- 3) How does South Group feeling about combining areas with the North Group?
 - 4) Grouping them as gold coast and treasure coast rather than the north and south may be better media wise.
 - 5) Point is really to create a mooring buoy authority for all four counties rather than areas. More effort should go in process of creating this authority rather than placement of these buoys.

Understanding the Objectives from both CWGS

- 1) South chose 5 objectives for N-146 and North chose 3 objectives
- 2) North CWG wanted to have discussion on each objective and what it really meant.
- 3) Both groups chose the objective to protect 20-30% of the SEFCRI region?
- 4) North group wanted to clarify that each type of representative reef and associated habitats in the SEFCRI region. Not just one big box so that is why they specified.
- 5) Originally meant when it was written that 20-30% reef tract only. If you want to include mangroves and seagrass then would need a larger area.
- 6) Neither says what we are doing this for. Jim recommends adding from extractive use as no take reserves.
- 7) Need clear range marks to make it easier for enforcement. Easier to sell because easier to enforce so argument about that can be removed.
- 8) Brian points out that the south objective is too broad and needs to add at least the word reef in the objective. So say 20-30% of the SEFCRI region coral reef and hardbottom.
- 9) Does south want to adopt the Northern version of this objective?
 - a) Wait until after James talk which will clarify this objective.
- 10) Discussion After James's presentation
 - a) Appreciates the North's Objectives but in light of James presentation should we increase it to 20-40%? And not limit it to any particular habitat
 - b) I understands the want for more but at last week at the COTF meeting the fishing interest gave a lot of push back. Just looking realistically and says he would take 20-30% over nothing. Don't want to push it.
 - c) shouldn't put a cap on upper limit
 - d) Keep it simple. It is a long term process so in time people may accept larger areas later. Do the best we can. Don't need a perfect plan now. Don't pick best fishing area for your reserve if you can avoid it. Probably stick to the original wording of 20-30% not higher.
 - e) Problem with higher number is the propaganda media will start and you will never get past the starting line. When you use numbers they can exploit they'll use it against you.

- f) Once demonstrate that they smaller area works then maybe can expand later.
- g) May want to incorporate some of this discussion in the RMA framework (tier 1 document).
- h) Not naive about political considerations so he'll take back what he said if numbers are a source of blow back. No need to stir up new issues
- i) Objective in presenting this was relevant to the fact that at the end of all this if the North and South group are working from a similar or the same objective it will make what comes out of this process stronger in the end. Stronger if one OFR recommendation. That is why we felt the need to share the North objective that they already started working with.
- j) Areas around the reef may be good to protect as a buffer.
- k) North is saying this is what we want to do with the whole protected area but south was talking about just no-take area only. Comparing apples to oranges.
- l) Umbrella is designating an MPA and this no-take objective is one part of creating this larger MPA.
- m) Remember you can tweak things later Get to the maps and then return to this discussion again later.
- n) 100% of mangroves and seagrass are protected but they are managed differently than what is being talked about here.
- o) Brian: we cannot identify the mangrove or seagrass (except offshore seagrass) part in the filtering tool but it is a visual layer.

Understanding the Latest Science to Design Resilient Networks of No Take Areas for Fisheries Management, Biodiversity Protection, and Climate Change Adaptation presented by James Byrne

- 1) MPAs are tools that are useful to help achieve multiple objectives
- 2) No-take areas work very well for all objectives but it comes down to the design of them which will determine how effective they are in the end.
- 3) Don't succeed when they didn't think about the needs and what they wanted to protect. Didn't design with any objectives in mind.
- 4) Have different habitats with different functions.
- 5) Science says need a minimum of 20% of each habitat. 40% if only management plan in place. If fisheries management already in place than 20% may be sufficient.
- 6) Can't focus on one habitat. Needs to be ecosystem based. Don't want to miss key components.
- 7) Look at whole system and spread out where you have those different habitats protected. Spread them into three areas. Risk spreading.
- 8) Need areas up here to work with FKNMS and Biscayne to create a system of protection
- 9) A lot of places uses biogeography but reef may function differently depending on where it is located. Separated by wave environment and wave energy.
- 10) Biogeographic regions already designed for SEFCRI region. Reefs south are very different than north. Different species composition and different structures.
- 11) Take into account climate change
- 12) Connectivity issues: larval dispersal and juvenile movement.
- 13) Different species require different home ranges.
- 14) Look at life cycle of fauna

- 15) Space no-take areas (NTAs) at least 9 miles apart. Looks at larval dispersal and home ranges. Not just repopulating within area but also spillover effect.
 - 16) Located NTAs 9 miles from high fishing pressures
 - 17) Allow time for recovery. Some species need longer recovery times than others.
 - 18) Have to look at all threats that are going on. Look at sites where the threats are less if we're unable to minimize them.
 - 19) Integrate NTAs within broader planning and management regimes
 - 20) Important things to consider
 - a) Key fisheries species most likely benefit based on NTA size, duration and location
 - b) Realistic expectations
 - c) Keep it simple,
 - d) Focus on key areas for protection
 - 21) Can the tool show us percentages of reef and other habitat areas?**
 - a) In the drawing you get a report out that tells you the percentage of reef within the drawing and compared to the total map.
 - 22) Can we show percentage of each habitat relative to that habitat in entire SEFCRI region for objective 2 (20-30% of representative habitats)?**
- *Ask Point97 if this can be incorporated into report out**

Report Out and Discussion of Applying the Spatial Planning Tool for N-146

1) Brian's Group

- a) Five areas total
- b) location just north of Biscayne National Park. Excluded the special management zone.
- c) Area off Birch State Park. Southern boundary is sunrise Blvd. up to commercial. Dense patches of coral, looked at fish populations, some pillar corals and big coral heads. Different types of habitat.
- d) Area off Lauderdale by the Sea. Identified as area that may get some political buy in. Provisions may be made later for fishing and lobstering. Copenhagen included and the fishing pier is included for now maybe provisions later. Wanted to encompass reef tract in some areas but past commercial Blvd. third reef is a popular fishing area so a lot of push back could happen if you included the third reef so decided to give up third reef in third shape. Accommodate everyone's interest.
- e) Area off Port Everglades and JUL/ navy exclusion zone. Get buy-in here. Navy exclusion zone already blocked off as no anchoring. Included aero jacks and Dania pier. Northern most conch mating aggregation. Went past the pier to include navy inclusion zone. Past conversations with navy indicate they are in full support of area being marine reserve.
- f) Hallandale to Sunny Isles. Looked at fish spawning zones (mutton snapper). Made more sense than JUL according to data. JUL better because of Navy exclusion and park.

2) Amanda's group

- a) Polygon 2 (green) Almost exactly like Brian's group went into seagrass area. Stayed within activity exclusion area. Included mixed seagrass and hardbottom areas. Straight line not to include Key Biscayne special management zone. Also

- thought some of the artificial reef sites on outer reef would be contentious with fishing community. Lighthouse for easy landmark for enforcement. Overlap with Biscayne Park Aquatic Preserve. Beach area popular bonefish area so brains group excluded areas by the beach.
- b) Polygon 3 (purple) Hallandale/ sunny isles. A lot of dense Acropora, nice reef, large coral heads. Excluded Tenneco Towers because of contentious nature for fishing community. Overlapped with Mutton Snapper spawning. Went out to third reef to give representation of all habitats.
 - c) Polygon 4 (yellow) Port Everglades to Dania Pier. Out to third reef. When you get close to inlets could be problem because of access from small boats. Restricting their use because unable to access a lot of area because of size of their boat.
 - d) Polygon 1 (red). A lot of high coral cover areas. No problems with navigation. Used Anglin pier as marker. Didn't include third reef because not a lot on it up here. Didn't include because of wreck clusters there. Dense Acropora and large live coral present.
 - e) Polygon 4 (orange) Anglin's to Fisherman's wharf Pier. Out to third reef. Higher coral cover. Already had extensive mooring buoys. Either or polygon 1 or 4. Commissioner and mayors of Lauderdale by the sea in favor of zones.
 - f) Polygon 6 (green) Gap between Fink's grouper hole north to Delray snapper hole. Beautiful reef to dive but little to no important area inshore, mostly sand. Pretty far from both inlets so not as much traffic. Not as much blow back because of distance between two inlets. Between Boca and Boynton Inlet. Off Highland Beach.
- 3) Two groups really hit on some of the same issue. Both groups talked about connectivity and where might we get push back and buy in. Enforcement feasibility and overlapping with spawning aggregations. Both groups brought in local knowledge to augment the scientific data available as well.
 - 4) Process needs to be more refined. How will this work later when both groups get together? Not entirely decided yet. Need to figure out how to build it into process.
 - 5) Fall meetings schedules for Sept, Nov and possibly Dec (if wanted and needed) to look at feedback from SEFCRI team and TAC and refine spatial plans and other management actions. Final plan will be similar but tweaked in later meetings. This is just first draft.
 - 6) Special areas of special interest but not necessarily no-take areas.
 - 7) These boxes could be misconstrued and people may try to get another organization to shut this effort down.
 - 8) Dan says idea is to go back to stakeholders and get their opinion. Understands how rumors take off but also says that the intent is to get opinions and represent stakeholders.
 - 9) How to handle this? Explain this is just something we're looking at as management plans not no-take zones.
 - 10) To communicate out keep big picture alive and make sure they know the process and that these areas are ideas for some sort of protection not necessarily no-take or marine preserve. Just areas based on science and data layers available that are of particular interest and concern.

1.5.2. North Community Working Group June 2015 Meeting

North CWG GIS and Spatial Related Notes June 2015

GIS layers presented

Map Layer Presented By	Layer Description	Data in current database?	Requested?/ Action Taken
James Byrne	Map of Kimbe Bay MPA Network Design Papua New Guinea	No	Not in SEFCRI region
James Byrne	Biogeographic strata in SEFCRI region	No	Will be added in next MP update
James Byrne	Biogeographic Strata in Grand Cayman	No	Not in SEFCRI region
James Byrne	Biogeographic Strata in BVIs	No	Not in SEFCRI region

GIS related notes and/or GIS data layer requests

- 1) Current Events
 - a) NCRMP Socioeconomic Survey on public perception of coral reefs and coral reef management. Better represents the broader public not just interest groups. Full report will be available soon.
 - i) Showed strong support for coral reef ecosystems
 - ii) Two resources that were considered to have gotten the worst were amount of coral and number of fish.
 - iii) Management approaches and tools supported by survey participants were high. Disagreed the most with limited use approach but in general management actions were all supported.
 - iv) Last coral valuation report for Florida was in 2000.
- 2) Report out of SCWG outcome for mooring buoy RMA
 - a) SCWG adopted the NCWG spatial recommendation for mooring buoys
 - b) Proposed locations
 - i) Area on St. Lucie Reef
 - ii) Area off Breakers
 - iii) South of Hillsboro a proposal for extension off Suzanne’s ledge
 - iv) Area between 2 sets of current mooring buoys off Lauderdale by the sea/pompano area
 - v) Area close to FTL Beach and Bahia Mar and off JUL state park in the nearshore
 - vi) Area off Hollywood and just north of Haulover
 - vii) Area off North Miami Beach

- c) Jeff asked if the current off Hollywood too strong for mooring buoy
- d) There are more mooring buoys off Palm Beach/Breakers than are indicated in the Marine Planner. Currently just one point is representing all buoys. This should be changed.

***Request data from Palm Beach County to get individual mooring buoy points.**

- e) North agreed with the mooring buoy RMA spatial drawings merge.
- 3) James Byrne presentation on using the latest science to design resilient networks of no take areas
- a) Represent 20-40% of each habitat in NTAs. Number depends on how the system is currently managed. If don't have any management already in place you would want higher percent but if the area is already well-managed, then 20% may be enough. Different habitat requirements depending on species and life stage of fish.
 - b) Spread the risk over different areas
 - c) Look at connectivity. Where larvae move and time it takes to mature. Consider habitats used throughout life history.
 - d) Consider key species and how far they move.
 - e) Make sure you can minimize the other local threats, protect areas with lower levels of threat, and prohibit destructive activities.
 - f) Integrate NTAs within broader planning and management regimes.
 - g) Should quantifiable performance measures be included in this process?
 - i) Biomass of key species have been used as indicators
 - ii) Most common measure for corals is coral cover but that takes a lot of time to change so maybe not the best measure. A better measure is the ratio of coral to fleshy algae. As herbivore fish population increases you see the amount of algae go down which helps the system recover. You start to see more recruits.
- 4) Group report out of morning breakout sessions
- a) Brain's group looked at number of fish and coral species present some features looked at for drawings created last month. Distance from inlets not as big of a factor. St. Lucie Reef chosen.
 - b) New for Lauren's group as of today. Area around St. Lucie inlet identified because of connectivity of habitats, park is already there so there is already some protection in place. May be a good partnership with the St. Lucie State Park. Want to work with intercoastal area as well. Northern boundary was drawn to capture bathtub reef.
 - c) Brian's group drawings were separated into two because of important fishing zones that are located between the two. Goal of smaller box was 20% of St. Lucie reef as no take according to objective 1.
 - d) Concern was also about the north boundary of the SEFCRI region. Focus was originally on the SEFCRI region but that doesn't mean that it couldn't be brought up as an area of concern later.
 - e) Brian's group started discussion looking at the different bioregions. Talked about putting something in each of those regions and still keeping the 9 mile separation as James presented.
 - f) Brian's group proposed worm rock area with high sea turtle nesting. Very unique area.

- g) Brian's group also looked at an area northeast of Three Holes where there were areas of high fish density and coral density. Also grey snapper spawning aggregation
 - h) Lauren's group also selected that area which they called LORANS Tower Ledges. High relief areas, high fish density, grey snapper aggregation. Extended to capture almost entire ledge. A valued fishing area. Needs to be considered.
 - i) Lauren's box expanded the old drawing off Jupiter Inlet. Wanted to make sure it included the Jupiter step reefs that are placed to help juvenile fish. Wanted to use the Juno Pier as demarcation line for enforcement. Wanted to keep western boundary to shoreline because of high sea turtle nesting density. High value for fish spawning aggregations and diving.
 - j) Brian's group identified area last month based on fish numbers and densities. Not identified for coral cover. Diving activity, fishing activity, estuarine connectivity.
- 5) Discussion on N-146 area selections by the whole group
- a) Started from North and headed south. Not really discussing the ones that were created before lunch. Just briefly going back over those.
 - b) Blue Heron Bridge not technically in the SEFCRI area but still in our region and of concern to stakeholders. Specifically recommended by some as a no-take because it is a top dive site in Florida with a lot of special species. High diversity and sensitive habitat. Drew polygon offshore to represent drawing an area to incorporate Blue Heron Bridge, Little Blue Heron and the snorkel trail.
 - c) Conversation in Lauren's group about Blue Heron as well. Ultimately kept as a note but a polygon was not drawn yet. One of major conflicts was between ornamental collection and divers. It is already a county park. What more needs to be done. Rec fishing was not identified as conflict with divers because of swim buoys. Actions may be taken later but because it isn't in the SEFCRI reef region, but in the intercoastal waterway, it was only noted. SEFCRI is technically only offshore. DEP can only do certain things within the SECRI box. They would have to reach out to the county. Wait for broader public to speak out in the spring. See if they also identify the area as important. Lauren's group wouldn't mind including the polygon rather than just a note.
 - d) Area just south of Indian River lagoon has an area of seagrass with species of special concern.
 - e) Area on Breaker's reef recommended by Nikole Ordway. Area of high number of species and high coral percent cover and density. Tom says there are *Acropora* patches at the south end. It is an area where the hardbottom is almost always exposed unlike a lot of the other areas that are frequently covered by sand.
 - f) Lauren's group started drawing where the first *Acropora* species are present. Mar a Lago reef/ Palm Beach central polygon. In general an area of high coral cover. Looking at placement just south of third biogeographic region separated by the Bahamas Fracture Zone. A lot of grey and lane snapper but very small and just barely legal because they are getting caught right when they are legal. Chose area below the two dive sites because wanted to avoid high use areas. It is further from the inlets so that is a positive because it may affect less people.
 - g) Nikole could have meant either the Breaker's close to shore or the Breaker's offshore.

- h) Should we keep both polygons or merge them? Make a note to combine the two polygon.
 - i) Dana questioned why not include the dive sites if we aren't looking at no-take zones? Because the coral density was higher further south.
 - j) Area of McArthur State Park. No spearfishing. Already some level of regulations. Intent was to cover the entire park to create a clean boundary. High sea turtle nesting area.
 - k) Just reporting out and not discussing combining at this time because a little too complicated and should wait until after the SEFCRI review.
 - l) Good representative habitat. Number of fish species was high. Said to be good juvenile green sea turtle habitat. Personal observation of high species of fish.
 - m) Brian's group tended to focus on the nearshore.
 - n) Boynton water tower (Martini Glass) in middle of polygon. About 9 miles from north polygon. Wanted to avoid more popular dive sites. Some Acroporids. High fish diversity.
 - o) Finks Grouper Hole/Delray Ledge area overlaps with the south recommendation. High coral density, high fish density, North group extended shape because of high density fish areas.
 - p) Lauren's group drew shape to south side of Finks Grouper Hole. Avoided some of the high anchoring areas. High percent coral cover. Only included the outer reef.
 - q) Important to note those areas that overlap because it shows that these areas are important and noted by multiple people using various data parameters
 - r) South group came up with a number of spots and many overlapped. Mostly driven by large number of dense *Acropora* patches, presence of *Dendrogyra*, presence of large live coral and high coral density. Political support in Lauderdale-by-the-Sea. Area off JUL state Park chosen because of high political support from Navy and proximity to inlet.
 - s) Area off of Key Biscayne to incorporate seagrass and hardbottom. Area of high coral cover, diversity, and density. Emerald Reef area. Mostly driven by coral data. Wanted to exclude the special management area where spearfishing is banned and also avoid popular artificial reef fishing sites.
- 6) Closing Discussion
- a) Important to point out that the boxes meet one or more of the objectives but not all. What is on the map is only a first draft of a series of MPAs. All it means at this point is that in those boxes there is something that needs extra protection or conservation. Later in this process things will be linked together.
 - b) Last thing you want anyone to think right now is that we actually have any lines on the map. Have transparent or fuzzy edges to avoid push back. Need to make it obvious that this is a concept.
 - c) Right now the public cannot see any of these shapes
 - d) Dana like the idea of drawing circles around special areas rather than boxes because it seems less concrete.
 - e) James says that from experience it doesn't matter the shape or color, people are going to be wary of any lines. It will be interpreted the same.
 - f) First roll out will be for the SEFCRI team and TAC meeting which is a public meeting. First public rollout will not be until next year.

- g) There will be the ability to export a jpeg file from the marine planner.
 - h) These areas may not reflect the objectives on the board but still have a lot of value. If you went back to N-146 and look at objectives you'll find protect special habitats which these shapes do follow.
 - i) Agency and conservation people have been most engaged in this process. Need to look far enough ahead to offset the angst that may come from other groups later on in the process.
 - j) Going to try to re-engage those who have not been able to attend a lot of the meetings. Going to try to start going to groups so that hopefully there will be less of an outcry because we are engaging them in the process.
- 7) Other important notes through side conversations
- a) Check if John Fauth's coral data included the Martin County coral surveys (Kathy Fitzpatrick inquired).**
 - b) Juno Pier needs to be added to the Marine Planner map**
 - c) May want to add a private conservation area layer to the MP**
 - d) May want to add conservation easement area layer to the MP**

1.6. September 2015 CWG Meeting Minutes as they apply to the DST

1.6.1. Day 1 September 16th, 2015

Our Florida Reefs Community Working Group Meeting: Day 1 September 16, 2015

- *This meeting was not attended by Brian Walker nor Amanda Costaregni, as there was no plan to discuss spatial RMAs or use the DST during the meeting.*

Future plans for OFR

- 1) Overview of plans thru fall and spring.
 - a) Today and tomorrow we are working with non-spatial RMAs and next month with spatial. We will be going box by box through info from SEFCRI Team and TAC and deciding what will be appropriate for RMAs. We will hand out ballots today listed by focus area, allow you to start thinking about benefits, cost and feasibility. These ballots will help you rank RMAs. Final date to turn them in will be Halloween.
 - b) November we will take individual ballots and start thinking of them as a group. We will rank them from high to low priority and rearrange as necessary as a group. Then refine and vote for a final list.
 - c) Then we will start talking about community meetings for January and February. December we will not be meeting. We want a three tiered attack for these RMAs- our staff, SEFCRI Team and TAC, and CWG members. So that the community understands that this is really coming from you all, as creators of these actions.
 - d) In March and April CWGs will get to see what the community had to say about our RMAs and where to refine.
- 2) Reminder about the SEFCRI region, the western border is mean high tide line.
 - a) There is also a tide line in the aquifer on shore. Jupiter inlet includes Loxahatchee.
 - b) This doesn't mean there can't be RMAs that effect this onshore, just that this is the SEFCRI boundary.
 - c) Lauren W: This is just for clarification for some tier 1 and 2s that discuss the SEFCRI boundary.
 - d) When we drew polygons I don't remember seeing this line.
 - e) Lauren W: If there is an action in federal waters we would have to go to the appropriate agencies to deal with them.
- 3) Considerations for Prioritization of RMAs
 - a) Karen B: Please think back to a year ago when we first introduced this in August and September. At that time we gave you an overview of process and materials that SEFCRI developed to help you all achieve the mission to preserve and protect coral reefs. We are almost done, starting in this meeting through October we will start prioritizing our RMAs. In order to provide initial prioritization you will be scoring RMAs using three criteria: benefits, feasibility, and cost. As a reminder when scoring, please refer back to tier 1 and 2 info and your own personal knowledge. You may also want to consider each RMA relative to others. From here we will focus on the benefits first, placing each RMA into high to low bins based on group

- average score. Next, for each bin we will sub-bin using feasibility and cost to determine which RMAs will have the best shot of being implemented successfully. The reason for all this is that benefit is the main goal, top priority, for our reefs. Of course however, reality dictates that we must also look at feasibility and cost. We will use these to come up with initially prioritized lists. Then in November we will look at these again and decide if we want to move anything around.
- 4) Lauren W: Report out on SEFCRI Team and TAC this time around. In January we asked for all of their thoughts and reviews of our RMA's. This time we asked for better language to help flesh everything out and how specifically to accomplish the RMA. There were categories of general feedback that we got, some of which were to archive and combine RMA's. Also for some, SEFCRI Team and TAC suggested we archive unless a certain criteria was met. Some had a change of intent, some just had edits. When we did combinations and picked umbrella RMA's, some SEFCRI Team and TAC suggested the other RMA to be the umbrella.
 - 5) Heidi S: Now each group (with the help of a facilitator) will go through and adopt or reject edits, suggest archiving, combos etc. We will have public comment on both days of this meeting, after our afternoon break we will have our public comment. Today you can start to score the RMA's. And during report outs feel free to start scoring as well.

1.6.2. *Day 2 September 17th, 2015*

Our Florida Reefs Community Working Group Meeting: Day 2
September 17th, 2015

- *This meeting was not attended by Brian Walker nor Amanda Costaregni, as there was no plan to discuss spatial RMA's or use the DST during the meeting.*
- No discussion regarding the DST took place at the September joint CWG meeting on day 2.

1.7. October 2015 Joint CWG Meeting Minutes as they apply to the DST

1.7.1. Day 1 October 21st, 2015

October Joint CWG Meeting Minutes Day 1 as they apply to the DST October 21st, 2015

- 1) In November RMAs will be changed around and finalized etc. Will start with reporting out on the 17 RMAs that are still pending from last meeting. Then we will work mostly on our 2 spatial RMAs, S-2 (mooring buoys) and N-146 (MPA frameworks).
- 2) Will discuss what we put together, the feedback we received from SEFCRI Team and TAC, and try to create final forms which we will present at community meetings. Tomorrow we will report out on each area and get a worksheet for potential management tools which you could use in those areas.
- 3) Staff has noticed that there is lots of info on tier 1 and 2 docs, lots of spelling errors, and grammar etc. Is it alright with everyone if the staff goes in and cleans up these types of issues. Unanimous agreement to allow staff to clean up RMA docs.
- 4) Unanimously approve allowing staff to condense RMA info. Full Tier 1 & 2 documents as well as condensed documents will be posted to the OFR site for CWG review to ensure language is consistent and no information is lost.
- 5) S-2 Mooring Buoy's
 - i) Kelly E: Table shows color of area, objectives considered, and features and values. Second document shows SEFCRI Team and TAC discussion. These show what they looked at, their recommendations, and their comments. Use these side by side. In some instances where there is no info, it means the SEFCRI Team and TAC had no suggestions.
 - ii) Heidi S: We will open the planner in a minute to show where these are on the map. Staff went through feedback from SEFCRI Team and TAC and highlighted important things in their comments. In our map do we want to include existing mooring buoys so that when we go to a community meeting and show this, they can see the existing mooring buoys? YES – existing mooring buoys will be added to the map.
 - iii) Area 1: This is off of St. Lucie. Any need to move this area, modify/expand?
 - (1) The box is not extending north to the bathtub reef area, which I think should be included. As it is a nearshore reef system.
 - (2) In the discussion it says that north of the inlet there is poor water quality.
 - (3) North of the inlet there is better water quality, but not as much structure so divers still go south.
 - (4) I suggest that if more are going to be added that you should make a new box because the current ones are in a park, and these wouldn't be.
 - (5) Heidi S: Group accepts #1 as is, moving on.
 - iv) Area 2: The concern here is that the county does not want these.

- (1) I want to clarify, I'm not sure the counties stance but the breakers hotel doesn't want buoys, the reef is ephemeral, the buoys may be lost.
 - (2) They understand that they don't have jurisdiction out there, the county will not be adding buoys to this location.
 - (3) Brian W: This area typically is the most exposed nearshore hard bottom of Palm Beach County so it is probably one of the better ones to target.
 - (4) I want to point out it is important to maintain existing buoys there as well. I'm sure this is something that the county would fully support.
 - (5) Heidi S: Note that blue and green are very much overlapping. These came from north and south working groups.
 - (6) Propose to combine them into two.
 - (7) The blue includes most of the green so choosing the blue would be the easy way to combine.
 - (8) If there is opposition to one of the boxes and not the other, and you combine them, then you come out with opposition to both.
 - (9) The county and the hotels don't have jurisdiction over these balls, it is our job to protect the reefs.
 - (10) Brian W: You can now see anchoring density on the reef shaded on the map.
 - (11) Heidi S: Anyone opposed to keeping green area at least? None-PASS. Okay, is anyone opposed to keeping the blue area as a place for more buoys? None – PASS. Okay do we want to combine these and make it one area? Unanimous, COMBINE and PASS.
- v) Area 4:
- (1) There is an inlet north of this area, is this not covered here?
 - (2) Heidi S: Do we want to keep the orange square? Unanimous, PASS
- vi) Area 5:
- (1) Lauren W: This is off of Key Birch- they drew the box to connect the lines of existing buoys.
 - (2) Is there a reason why the county didn't put them there?
 - (3) Heidi S: Tabling this one until Ken Banks comes back.
- vii) Area 6:
- (1) SEFCRI Team and TAC said that the box is good but this should be a different RMA proposal for beach even festivals.
 - (2) With these festivals there are thousands of vessels, so buoys are not feasible.
 - (3) Now there are festivals all year long off the beach.
 - (4) Heidi S: The question is do we want to address this in RMA S-92, or keep this as a mooring buoy proposal?
 - (5) This area does have high anchoring, so these buoys are not only for beach festivals.
 - (6) Are mooring buoys permanent or can shows put them out and pick them up when the show is over?
 - (7) The mooring block must be permanent but the buoy is removable.

- (8) Do the set up and removal of these buoys could be the responsibility of the vendor.
 - (9) I think that S-92 and this should be considered differently.
 - (10) The buoys should be there all year, people need to know that there is a reef there.
 - (11) The reef under there that we are trying to protect. Instead of non-permanent ones which are really hard to find later, you can put temporary markers on the surface with someone monitoring for crowd control.
 - (12) Heidi S: We are getting into the *how* and the ideas are good, but we need to first decide if this area should be considered for more mooring buoys in general. Dissent? None – PASS
- viii) Area 5
- (1) Is there a reason why the county didn't put buoys in these areas?
 - (2) The location of buoys was originally selected by the dive communities. So the reason they aren't there would probably be that they weren't asked for over here.
 - (3) Heidi S: Does anyone object to keeping Area 5 as part of the mooring buoys RMA? None – PASS
- ix) Area 7: Lauren: clarification from last time, was the intent of the purple box to get buoys in the sandy area, was it to the east or west of that?
- (1) Jim M: It seems like there is high density anchoring there already.
 - (2) Group agree to keep this box – PASS
- x) Area 8: No comment from SEFCRI Team and TAC.
- (1) The coastguard has strict regulations on how these are designed and it would never be permitted to color code buoys.
 - (2) Heidi S: Agree to remove color coding from tier 1 & 2. So we agree to shift the whole box west?
 - (3) I think it would be better to expand to the west, basically double its width.
 - (4) I am somewhat uncomfortable with it because we are suggesting people to park vessels in an area where diving is dangerous, people can be disconnected from their vessels.
 - (5) Heidi S: So any opposition to shifting and not expanding the box? None- it Meghan B: is shifted to the west.
- xi) Area 9: Comments and questions about this area? Any opposition to leaving this on the map? None – PASS
- xii) Area 10: Comments and questions about this area? Opposition to leaving this on the map? None – PASS
- xiii) SEFCRI Team and TAC suggested a box off Jupiter.
- (1) Brian: The reef habitat is deeper in Jupiter area, stronger currents and depth which might be less safe.
 - (2) S-2 must include general information about continuing to support and maintain existing mooring buoys in the SEFCRI region.

6) Management Toolbox

- a) This is the “management toolbox” it takes into account strategies for MPA frameworks that have been used around the world. Many of these tools fall under the “marine protected area” umbrella but we tried our best to tease them out. You will get a ballot for spatial RMAs like the one you got for regular RMAs. On this ballot we want you to write out what you think are the best ways to tackle the objectives you’ve selected.
 - b) Margaret M: What about coral gardening? I am wondering where restoration fits into this. Has it been discussed or not? The RMA earlier discussed coral gardening efforts.
 - c) This could be placed in other and described. If we need to we can add a 17 if you think that is necessary. Do we want to add language?
 - d) Many of the RMAs discussed before appear to me to be place based actions, specifically restoration or research based area.
 - e) Coral gardening not added to the list.
 - f) This is a weird list to me because some numbers designate an action and some designate the authorities who would be in charge. My suggestions would be to just have the actions, as opposed to citing a legal statutes or authoritative bodies. I think we need to articulate what we want to accomplish in each area.
 - g) This list is intended to get us closer to understanding what our focus is on in each area.
 - h) Today we will be discussing objectives and finding out what we want to do in each area, then after that, you will each get to pick 3 tools you think might fulfil those objectives.
 - i) Once we have the 3 most important objectives for each area, then we will talk about how exactly you want to go about it. Today’s work is all about objectives.
 - j) Is there an assumption that there is one additional box drawn around the whole northern tract of the reef? Is the area defined?
 - i) There is a management action proposing to make the whole area a marine reserve.
 - ii) The whole area needs to be under management. There can be special management in these boxes but we still need management everywhere else in the reef.
 - iii) Lauren W: I just want to remind you all that there are some boxes outside of the SEFCRI region.
 - iv) Therefore I would make the case that we don’t have a full management plan and that we need to designate the entire SEFCRI region in a box.
 - v) A box for entire region is created.
- 7) **SOUTH Area Group- Brian running the tool; Heidi Facilitating and making notes on Flipcharts; Daron taking detailed notes.**
- a) AREA 28:
 - i) There was no comment from SEFCRI Team and TAC, but you can look at your own comment from last time. Original objectives for this region: 1, 2, 5, 6. So let’s talk about why this area merits additional protection.

- ii) The term visual under values... please explain what this means?
 - iii) Brian W: The values we are filtering by, just visual instead of from a data layer from GIS. There was conversations between the different groups about how this should be implemented, some wanted it from shore and others wanted offshore.
 - iv) Is this including bonefish? We talked about not including this area to not have the bone fishermen up in arms against us.
 - v) Heidi S: Because there is overlap in these two areas (28, 27) we need to talk about if we need to merge, or choose one.
 - vi) Very little bonefish will be in that area, I fish there.
 - vii) Brian W: Does the green (27) alone satisfy the objective of this area or not?
 - viii) No, I think it should include the outer reef. I think we need to protect sea grasses as well, this is the only area with this type of connectivity.
 - ix) Does this include no take?
 - x) It is on the table certainly.
 - xi) Heidi S: The objectives for 27 and 28 are similar.
 - xii) It seems like this zone is for habitat protection. Maybe we could look at something like in everglades with no motoring to protect seagrass.
 - xiii) Heidi S: This is why we will not discuss the tools we will use until we have the objectives nailed down.
 - xiv) Brian W: Both boxes do incorporate seagrass, the blue box (28) does include deeper reef that is not incorporated in the green box (27).
 - xv) Heidi S: Are there any objectives in these boxes that you think need to be added?
 - xvi) This is just a unique area that needs protection because of habitat.
 - xvii) I thought this was based off of a report that said if you protect 20-30% of the habitats you will see positive results.
 - xviii) Brian W: The distance between areas is also important, we tried to have one every nine miles.
 - xix) The intent here is that big fish will be able to grow in these areas where fishing is prohibited.
 - xx) Brian W: We wanted to incorporate high diversity reef areas in this.
 - xxi) Do you think the blue area (28) would be sufficient or would the green (27) be necessary too?
 - xxii) Brian W: The advantage of the blue (28) is that it incorporates deep reef, the advantage of green (27) is the seagrass.
 - xxiii) Maybe just expand the blue (28) to the shoreline so that you get a whole section of habitats covered.
 - xxiv) Heidi S: Proposal is to merge 27 and 28 and to add the SW corner to cover the entire swath. – PASS
 - xxv) Suggest adding 7a and 7b to objectives.
- b) AREA 26 & 25: Overlap almost entirely.

- i) Margaret M: Was there a feature on the eastern extent that was meant to be included or excluded here purposefully?
 - ii) Heidi S: The smaller one (26) includes Tenneco towers, a popular fishing spot,
 - iii) Does this include the large *Acropora* areas? – YES
 - iv) Spawning aggregations?
 - v) Brian W: It looks like there is a relatively big one – fish aggregation site for mutton snapper.
 - vi) Does the larger box (25) include all of these?
 - vii) it seems to me the smaller one (26) is adequate.
 - viii) It also gives a good boundary landmark.
 - ix) Heidi S: So consensus to keep #26 and get rid of #25. So what objectives do we need to add to this?
 - (1) Objective 6
 - (2) Objective 7a
 - (3) Objective 3
 - x) Brian W: There are some higher coral cover sites in this region.
- c) AREA 24 & 23:
- i) There is a spawning aggregation in there.
 - ii) Take into account that in a few years the port everglades expansion may completely kill all of this.
 - iii) Brian W: 23 wanted to use the pier as a landmark
 - iv) There is *Acropora palmata* in the bigger box (24) and south of that box there's a spawning aggregation of gag groupers south of the pier.
 - v) I would combine those.
 - vi) Heidi S: So agreed we will use 24 (23 is inside of this). Objectives to add?
 - vii) Spawning aggregation (Objective 3) and protected species (*Acropora palmata* and *Dendrogyra* etc.)
- d) AREA 22, 21, 20: (22 = Blue, 21 = Red, 20 = Purple)
- i) Brian W: There's good political support in Lauderdale by the sea for northern areas.
 - ii) Heidi S: We don't *have* to combine, if these were drawn for distinct reasons, we can keep them separate.
 - iii) Brian W: If the objective is no-take, blue and red will get more pushback.
 - iv) Heidi S: How many would like to allow individuals to bring back an archived RMA? 4 – not enough, not doing it. How many want a statement in the report about research being critical and that we will ask the TAC to address those if possible. ~25 PASS.
- e) Area 22, 21, 20, 19:
- i) Area 22 needs objective 11
 - ii) What does “toe of the reef” mean?
 - iii) This is a common engineering term which means where it tapers out.

- iv) Dan C: All the way down the coast near Lauderdale by the sea there is no beach access this is all big buildings. If this was a no-take nearshore there would be pushback from the divers.
 - v) Brian W: On OFR survey results show that this area is very heavily used, especially by the pier.
 - vi) Dan C: Yes, but by kayakers and so much not by fishers.
 - vii) Heidi S: What do we think of the 4 different areas? Do they have different objectives?
 - viii) Dan C: leave them all on the table and negotiate with the public.
 - ix) Kevin M: At the end, who will let this be permitted etc. if we have 4 options vs one big one. I'd say 80% of our fishing is on the deep reef.
 - x) Alex S: I don't see how we could present 4 different things to the public like this, it could be really hard to explain it. For simplicities sake we would want to have just one area and then modify if necessary.
 - xi) Margaret M: The lower area is proposed now as no take in the south and different in the north. So maybe lump the two southern boxes together and the 2 northern.
 - xii) Dan C: No take and coastal construction are more important in southern box and not so much in the northern.
 - xiii) Heidi S: So we will combine 21 and 22, 22 is bigger so keep this one. 21 has the same objectives as 22.
 - (1) Sarah T: Add objective 7a.
 - xiv) Heidi S: Next lumping 20 into 19 (19 is bigger)
 - xv) Howard L: 19 and 20 is Lauderdale by the sea. Would this be considered a unique zone because of the beach?
 - xvi) Brian W: 19 was drawn to include *Cervicornis* and the Copenhagen preserve.
 - xvii) Jenny P: This might be good for a no anchoring area and not necessarily no fishing.
 - xviii) Mason S: That's what these objectives are for anyways right?
 - xix) Sarah T: If the southern box was no take then we would get the acreage we need and not need to propose a no take for the northern box.
 - xx) Heidi S: So 19 and 22 are separate and have different objectives.
- 2) North Area Group- Amanda running tool; Ann facilitating; Lauren on flipchart; Kelly taking notes. N-146
- a) Area 1- Purple:
 - i) Erin- questioning the 20- 30% objective- would like it defined (Objective #6). James provided definition of Problem with spearfishing in the park bc fishermen don't know that they are not allowed to spearfish within it.
 - ii) CWG DOES NOT WANT TO COMBINE 1 & 2
 - iii) SEFCRI TEAM recommended combining area 2 & 3.

- iv) GREEN AND BLUE NOT TO BE combined 7 PEOPLE DO NOT WISH THEM TO BE COMBINED. Discussion of why they kept separate was because of king fish hole. King fish hole is area with most destructive area because of fishing gear. It is still located in the purple box.
- v) All 3 will stay separate
- vi) Would like to show the two areas 2 & 3 and get feedback throughout the process and based on user input- but the intention is not to keep them both at the end.
- vii) Looked at the southern border of the purple- they were mimicking the entire state park boundary
- viii) Kathy- would like to recommend objective #12 to protect from water quality issues.
- ix) This area has the highest percentage of coral cover in the entire area.
- x) Erin- if this box is proposed to a community group and it's a no-take box it will not go over well.
- xi) Group agreed (12 individuals) to remove objective #6 (no take) from this area.
- xii) 3 most important were objective #5 objective #8
- b) Area 2
 - i) Group added Objective 9 and objective 12 to this area. Already agreed upon is obj 1 and obj 6 from previous meeting.
 - ii) There were ties on all of the objectives so there are still 4
- c) Area 3
 - i) CWG members do not think that this area should be any different than area 2 objectives
- d) Area 4
 - i) 3 existing objectives are #3, #6 & #8
 - ii) Looked at popular dive sites- it's above all the wrecks.
 - iii) 1 individual opposed to keep objective #6- so it is no longer an option.
 - iv) Group would like to add objective #12.
 - v) Erin- when you have seasonal protection spawning aggregation, the next question is what- it is grey snapper, does this species really need protection.
 - vi) Kathy- the thought for this objective is to protect
 - vii) Tom- there would be resistance on anything they put Obj #3 on- so leave it on.
 - viii) no one opposed to remove obj #3
 - ix) no one opposed to remove obj #8
 - x) Final objectives- #3, #8 & #12
- e) Area #5- Offshore Martin Deep Ridge.
- f) Objective #3 is original.

- g) Objective #8 & 12 will be added to this one SO final going through is Obj #3, 8 & 12
- h) CWG Opposed to combine 4 & 5 because in the public meetings it might be beneficial to keep both.
- i) Area #6- Blowing rocks
 - i) Already existing is obj #1, #5 and #6.
 - ii) Andrea- there would be no take so no fishing off the beach. Would suggest adding obj #9.
 - iii) April- it appears that this area already has low fishing and diving so why would it need protecting?
 - iv) 20-30 % is minimum that we can hope to protect throughout the region.
Kathy- there would be less pushback in this area since it is not heavily utilized.
 - v) Erin- 20 -30 % of wormrock is much smaller than 20-30% of the reef line.
 - vi) Tally to keep objectives- #1, #5 #6.
- j) Area #7- Juno to Blowing Rocks
 - i) Objectives #3, #5 & #6
 - ii) These boxes were created for spawning aggregations.
 - iii) Mike- would like to add obj #12
 - iv) Add Objective #6
 - v) Do not Remove obj #6- 12 want to keep it.
Remove #6- 10 wanted it removed so it gets removed.
 - vi) Object #6 was put back on.
 - vii) Objective #3 & 5 they agree to keep.
 - viii) CWG Decided to Keep objectives# 12, 5 & 3
- k) Area 8
 - i) Obj #6
 - ii) Want to keep separate from #7- 12 CWG members wanted to keep separate.
 - iii) Add in obj #3 for spawning aggregations
 - iv) Add in #12 for water quality.
 - v) Objectives #3, 6 & 12
- l) Area 9
 - i) In response to TAC recommendation to explain why it would need extra protection.
 - ii) Kathy- If look at 20-30 % and there is low use then there would be little opposition.
 - iii) Existing obj is #8
 - iv) Add Obj #6

- v) Objective #11- priority for this one because of potential beach renourishment efforts to the north of the park.
- vi) Objectives #6, 8 &11
- m) Area 10
 - i) Obj #1 existing
 - ii) CWG wants to make sure in T1 for this is ADDED WORDING TO T1 that it would encompass shore to shore- including big and little blue heron including Phil Foster.
 - iii) Add Obj #9, Obj #12
 - iv) Tom might need to consider that this is a popular fishing area off the little bridge.
 - v) Rod and Reel fishing excluded. It would be allowed and excluded from the no-take rule
 - vi) Nicole add objective #6 and objective #10
 - vii) Final Objectives #1, 9 , 12
- n) Area 11
 - i) Objective #8 (existing)
 - ii) Objective #7, #10, #11, #12, #1
 - iii) Tom- would like Paul or Carmen to discuss the persistent seagrass area, as this is the main reason this area is being proposed.
 - iv) Carmen right there isn't doing as well, but area is beneficial for mollusks and is unique because of critters in the seagrass beds that would be there if it wasn't for all the freshwater.
 - v) Erin- critters use these grass beds more than others and that makes it unique. Tom area of special interest because of ACOE wanting to take it out. Obj #11 and #12 are the most important.
 - vi) Group decided on Objectives # 6 #8
 - vii) Area 12 changed name to Breakers Shallow
 - viii) Paul Davis- This is the hotspot for juvenile green and hawks bill.
 - ix) Objective #2
 - x) Final Obj #2, #6, & #8
- o) Area 13
 - i) Obj #6 & #8
 - ii) Carmen would like to extend the box to incorporate the breakers and flower gardens because it's the area's most prestigious dive locations. Merge the two areas- #12 and #13. Now that it is this large would you keep objective #6 (no take).
 - iii) CWG would like to keep area 12.

- iv) CWG would like to xxx Area 13
- v) CWG added area 13_2 (Yellow) to reshape area 13 for outer reef incorporate the breakers and flower gardens because it's the area's most prestigious dive locations.
- vi) Dana- the original area 13 included inshore and offshore but it makes it simple to define and manage.
- p) AREA 13_2 Do we want to take all 3 boxes to public meetings?? # cwg to leave as 3 options-12 out of 12 (Irene& mike left).
 - i) Erin- people fish and drift on the yellow it would be hard to enforce with it not being in the middle.
 - ii) There would be different user group's interest between these boxes.

1.7.2. Day 2 October 22nd, 2015

**October Joint CWG Meeting Minutes as they Apply to the DST Day 2
October 21st, 2015**

- 1) N-146 Recommended Area Review (continued)
 - a) Area 13: Original objectives, 6 and 8. Go through CWG and SEFCRI Team and TAC comments about this box. Anything else we need to add?
 - i) Carmen V: I think objective 11 – also we shouldn't call 13 breakers/flower gardens because they aren't in the box. New name: Mar A Lago Bath and Tennis.
 - ii) Added Box: 13-2: breakers/flower gardens. Which objectives do we want to consider for this box?
 - (a) Jim M: 6, 8, and 16
 - iii) We drew this box because the breakers and flower gardens weren't include and they are really important and popular spots for divers. I think we should include it because it's probably the most popular and valuable spot in Palm Beach. Divers go here to catch lobster. Not sure how much fishing goes on there, except spearfishing.
 - iv) In drawing support for SEFCRI study, this location has been identified as a historical gag spawning aggregation site.
 - v) this means we would need to add objective #3.
 - vi) Grouper does have a closed season already
 - vii) The closed season for shallow water groupers is January first to April 31st. I don't know when the historical aggregation was but I'm assuming it was somewhere in that time period.
 - viii) I would caution that just people aren't allowed to fish for grouper, doesn't mean they aren't still getting caught.
 - ix) Identifying it to the public is beneficial as well.
 - b) Area 14: Go over CWG and SEFCRI Team and TAC comments.
 - i) The green box (14) is open area, mostly sand.

- ii) Brian W: There is very little hard bottom in that area
 - iii) Is it seagrass or turtle habitat? No
 - iv) Ann W: SEFCRI recommended you move this box off shore. What do you think?
 - v) If you want to protect it from coastal construction then you want it to the shore.
 - vi) There is dredging in the area so sediment is a concern
 - vii) Lauren W: There is no dredging in the area, just that it would be impacted if it did.
 - viii) That area is active for nourishment.
 - ix) So the concerns would be water quality.
 - x) There is an application for nourishment off Manalapan.
 - xi) There is really nothing there except sand, there's no inshore hard bottom.
 - xii) Maybe the box was to stop dredging?
 - xiii) It seems we have 3 proposals: 1) to move the box further out, 2) to extend it, 3) is remove it. Move it votes, 5. Extend it 3 votes.
 - xiv) There's just a little bit of ephemeral reef off the pier.
 - xv) There is a comprehensive shoreline protection project going through
 - xvi) So there is hard bottom, and this is the area where Surf rider defeated previous beach renourishment proposals.
 - xvii) 10 CWG members vote- green box alone is gone.
- c) Area 14.2:
- i) Do we have data on what's in the red box (14.2)?
 - ii) Horseshoe reef is in there, I think we need the box further north.
 - iii) The dots (for coral density) are only for places they surveyed, so lack of dots doesn't mean absence of coral.
 - iv) In terms of activity in the area, we don't have data on this but it was probably drawn because there was dredging or sand mining or something.
 - v) There is a truck haul, not dredging.
 - vi) How many want to join the offshore and nearshore boxes? 7. How many want to keep the extension? 5 votes.
 - vii) Can we table this because once we have everything added up if we don't have the 20-30% covered then we can add it. And if we do, maybe not.
 - viii) Can we add objective 6
- d) Area 15: Go over CWG and SEFCRI notes.
- i) Add objective 2
 - ii) Add objective 11
 - iii) Add objective 1
- e) AREA: 16, 17, 18: SEFCRI recommended a combination
- i) All the borrow pits to the west of area 16, this is a really active construction site.
 - ii) Can we clarify where finks grouper hole is? Seems like an important feature.
 - iii) The Castor wreck is the largest spawning aggregation of grouper in Florida and that area isn't protected at all. We want to extend the box to include the castor wreck.
 - iv) Grouper is a protected species already.
 - v) This is not necessarily a permanent designation though.

- vi) I would prefer that a new box is drawn for this.
 - vii) One thought was to combine all three.
 - viii) : The reason the blue box (18) was there was because it would be less contentious than the orange (16)
 - ix) That's part of the reason why it should have its own box, because the objectives are different.
 - x) Ann W: How many want castor wreck to be a new little box, separate from the others? 12 – Create a new box, 16-2, Castor Wreck. What objectives should we add? Obj 1, 3, 8
- f) Area 16:
- i) Add objective 11.
 - ii) Ann W: Do we want to combine 16, 17, and 18? 3 votes. Not enough. Who would like to combine 16 and 17? Votes, 11. Abstainers, 2. So 17 goes away and 16 (the larger one remains). Who wants to combine 16 and 18, 2. Not enough.
 - iii) Except for finks there isn't something really unique about this area. It's way too big of an area for this one objective.
 - iv) Ann W: Transferring objective 1, 2, and 5 to area 16
 - v) Are we sure that Finks grouper hole is within 18?
 - vi) Ann W: How many want to get rid of 16 all together? 6 votes, it stays.
 - vii) Add objective 16.
- g) AREA 18:
- i) Add objective 16 and 1
 - ii) Can we get rid of this because finks is covered in the other one?
 - iii) In the notes we want to show that we are not saying that the entire box is necessary, or that all boxes are necessary, but that some of these are alternatives. The group agrees.
 - iv) We need to very carefully present these and explain that to the public so that they don't freak out when they see all the boxes all over the coast.
- h) Area 14.2:
- i) Ann W: Let's go back to the one that we tabled, number 14.
 - ii) I don't think objective 11 applies to 14-2.
 - iii) Ann W: How many agree? Area 14, its removed. We will now vote for the merging of these boxes. How many abstain? 5. Jim M: The green box (14.2) is important to protect because of coastal construction
 - iv) Is the idea to restrict the area from beach renourishment? Because I'm not sure that's feasible.
 - v) There is certainly a lot of construction proposed near the green area.
 - vi) We also have the opportunity. Even though these hardbottoms are ephemeral, they provide cross shore habitat protection.
 - vii) Also high value fish and turtle habitats. Especially in the lower end of the green box (14.2). What happens on shore has very little to do with what happens onshore.
 - viii) Ann W: How many people will abstain? 3. How many would like it to be extended/combined? 11 people. It will be combined. Now the objectives, currently we have 8, 11, 6, 2

2) Management Tool Discussion:

- a) Heidi S: We will report out on what was done on the spatial RAs and mark down on ballots up to three management tools that we would like to apply. If you have questions about the area don't hesitate to ask. Our groups had a lot of overlap on areas that they identified.
- b) Area 28: Combo of what was original 27 and 28. The voting had a tie, which is why there are 4 obj → 7b, 1, 5, 6b in order of votes. Please cross out 27 as it was added to 28. Then write up to 3 management tools on your sheet.
- c) I think it would be helpful to bring up the boundary of the aquatic preserve as it does overlap with the area.
- d) Can you put up outstanding Florida waters too?
- e) There is also a nearby critical wildlife area, just south of government cut on the bay side.
- f) I'm not sure what management happens within the aquatic preserve?
- g) There are criteria for construction in aquatic preserves.
- h) The Virginia key outfall may be something to consider here.
- i) Which, if any of these, indicate a no anchoring?
- j) I think that no anchoring should go in "other". The CRPA stipulates that it is illegal to anchor on corals. So creating no anchoring areas may be a problem because people would think outside those that people can anchor anywhere.
- k) Aquatic preserves are resource protection areas, different by different habitats. It was the states policy not to restrict anchoring because of practicality, and also that it is a safety concern.
- l) Yes, but no anchoring seems to me to be a critical tool.
- m) Heidi S: Keep in mind that the creation of actual MPA will undergo a large amount of conversation etc. this list is just to get an initial look.
- n) When the process planning team was looking at how to approach this. We were considering stopping where we are now with just the objectives. But we thought we needed the opportunity to go one step further and choose specific management tools that may address these objectives. We don't have time to discuss each tool for each area. This is just how we can provide more information in the final package to regulators.
- o) Critical wildlife area = prohibiting entering at all. This is very important but very hard to pass. It will close it to the public completely.
- p) I want to clarify in number 9- fisheries areas, if there is an area with a specific concern I would encourage details, if the concern is on grouper etc. we need specifics if number 9 is chosen.
- q) It may have been easier to list objectives under each tool to link the two. The objectives that we listed, should be under each tool.
- r) Heidi S: Feel free to do this, but the reason we went with this was to allow you to choose how you feel the objective would best be addressed.
- s) If we take one objective, I have no idea which of these tools might actually address this. My impression is that these are adjustable, different aquatic areas have different rules.
- t) Ann W: Keep in mind we are just developing a report that says what this group feels would work.

- u) To address the concern that Margaret raised, you should explain what you are trying to address with that tool.
- v) And maybe choose 13 for every one – allow agencies to pick.
- w) Pointing out that the southern tip of this RA in front of us is bill bags state park so they will be connected.
- x) I think that you guys should pick the tools that work best, you know better.
- y) There is the potential for 75% of this group to say I don't know.
- z) This is a fantastic list, lots of brainpower went into this. Is there a way for people to make a statement for each area proposing what would be a good idea this may help other members understand what might be the best way to approach these.
- aa) Heidi S: If you want to vote on these areas, yes it is going to have to be today. We know the process isn't perfect, but we wanted to give you an opportunity to weigh in, and if you don't know, please feel free to defer to agency.
- bb) This area 28 is arguably the best piece of coral reef in the whole SEFCRI region, right up against national park and marine sanctuary. Probably about 10 miles north of the no take area within the Biscayne national park. This area was created with the primary objective of being a no take marine reserve – suggest choosing number 1 on the tool list.
- cc) I think it's difficult to make statement calls about an area without knowing specific pressures that need more attention are in the area. It seems that a lot of these areas were created just to accomplish the 20-30% objective. And that's important, but when it gets to the specific areas, it doesn't line up. What are the pressures of this area? And will a no take reserve help?
- dd) It has changed a lot in the 40 years I've been diving there.
- ee) I'm not seeing that information taken down here, what a marine reserve is, is removing fishing harvest, which is all. So if that is not the pressure in the area I don't see the point of doing it.
- ff) The objective refers to 20-30% percent network of these areas.
- gg) One thing that the piece-by-piece approach is missing completely is the big picture network and looking at this as the SEFCRI network working together. That's where the 20-30 percent guide is for the network, not by the individual site. If one management tool is used in one space it doesn't necessarily connect to the next one.
- hh) This is also a unique area for the region because it include seagrass and reef lines habitats that are lacking in the rest of the area. It is also breeding area for fish so no take I think would be beneficial.
- ii) Brian W: We set out making these areas with the holistic network in mind. This area in particular was chosen because it is very unique. There is a bigger picture here when we original picked these out.
- jj) The southern sites are up-drift current wise from northern sites, so what you do there, affects all of them.
- kk) Without the full network, from an agency perspective, it is really difficult to see the full package.
- ll) With the northern group, we have the alternatives, not that every box need exactly what we say, but that the public has options.

- mm) Lauren W: I think that the PPT talked about what Mason just mentioned. Once each box is discussed, then we were planning to zoom out and look at the full SEFCRI region and all the boxes that address the similar objectives.
- nn) Heidi S: It seems not everyone is comfortable with this process. If we don't like it like this, then we can revisit the process. I see a number of ways to move forward from here: we could proceed as planned if enough people are comfortable with that, we could go through all areas and revisit them and designate management approaches for different areas, or we could just go through them all and have some discussion about why it merits special protection.
- oo) 4th option - in the north we have a lot of options because we want public input. So after we get public input in the spring, we could revisit this idea, and see if we want to work with the management tools then.
- pp) Heidi S: How many are uncomfortable with picking them today? 4 votes. How many are comfortable? 12 votes. So we will do how we planned. But if you are uncomfortable writing on your ballot then you don't have to.
- 3) Report Out:
- a) Heidi S: Going back to area 28, any other comments?
 - b) I would urge selecting #1 for area 28.
 - c) If any CWG members have questions about what each tool means, I can provide input.
 - d) Artificial reef in NE area prohibits longlining and spearfishing but poorly enforced.
 - e) Area 26: please 'x' out 25 on your sheets. Top objectives: 5, 2, 6b, 3. anyone want to speak to this area?
 - i) This completes the 9 miles of necessary connectivity between no take reserves. It's a nice reef because it's between the two inlets so less LBSP. There is heavy fishing pressure on the outside of the reef and along the Tenneco Towers, so that would still be fishable if this was a no take area. Suggesting no take reserve for the connectivity sake.
 - f) Area 24: we had overlap between 24 and 23, kept 24 because it was slightly bigger. Top objectives: 3, 2, 6b, 11
 - i) Brian W: There is conch and fish mating populations here.
 - ii) There is a mitigation reef there where I have seen small aggregations of gag fish.
 - iii) Is this within the state park?
 - iv) Heidi S: If you choose 8 you will be extending the park out into the water.
 - v) All park extend 400 feet water-ward – we can extend it here to go further.
 - vi) We have also observed *Dendrogyra* and *Acropora*.
 - g) Area 22: We cut 21 because 22 was bigger and overlapped: top objectives: 7a, 5, 6b.
 - i) There is high density of protected corals in this area, and a state park there.
 - ii) Lauderdale by the sea is doing whatever they can to protect this area, so they would be behind MPA possibly.
 - h) AREA 19: This was a combination with 20, we kept 19 because it was bigger. Top objectives: 1, 2, 5.
 - i) The blue box (18) is where beach renourishment will be happening soon? Yes

- ii) If beach nourishment is an issue in this area because of the *Acropora*, I would suggest LBSP reduction.
- iii) It's beautiful and appealing to divers. Pompano Beach and Deerfield Beach have become more aware of their marine resources and may be easier to persuade toward conservation.
- i) Area 18: top objectives: 8, 1, 6.
 - i) Ann W: 17 is gone, and we added 16.2 – on your ballots change 17 to 16.2 top objectives 16.2 = 1, 3, 8 drawn for goliath grouper spawning aggregations
- j) Area 15: Top objectives, 2, 8, 11. Sensitive species = pillar coral, *Acropora*
 - i) Suggested title change – Gulf Stream reef.
 - ii) To that point, the names of these are really important because it's how communities connect to these.
 - iii) These names aren't final, if any of you know of names that would be recognizable to the community please let us know and I will change it for next time.
- k) Area 14: Top objectives – 11, 8, 2.
 - i) Is there a state park in there?
 - ii) North lake pier then Chrysler (?) park but no state park.
- l) Area 13: New name – Mar a Lago / Bath and Tennis. Top objectives 6, 8, 11.
- m) Area 13.2: Top objectives 8, 6, 3. Breakers/ Flower Garden – additional area drawn because of gag spawning, entire reef should be no take.
 - i) Can we pull up 12 because it is in the same area?
- n) Area 12: Should be named “breakers shallow” to differentiate. Top objectives: 6, 8, 2.
 - i) This is significant as a SECREMP site which means there is a long term dataset here. This would be an interesting spot to take some action and document against that data.
- o) Area 11: The polygons are on the east side of the area because the mapper won't let us draw outside the SEFCRI region, but these would actually be on the inside of the intra-coastal. Top objectives: 8, 10, 12.
 - i) This is meant to be covering the seagrass area south of Peanut Island.
 - ii) Lauren W: Peanut Island is a county park.
 - iii) This wasn't talked about but Phipps Park was.
 - iv) CWG Comments: seagrass near inlet is important, and spawning of jewfish and Snook aggregations.
- p) Area 10: Blue Heron Bridge – area also not as seen on the map, this is meant to be inside the intracoastal.
 - i) Meghan B: That area is already no take but it is really poorly enforced.
 - ii) Objective 6 is saying we want to protect representative habitats as no take. Marine reserve is a tool to achieve multiple objectives. We don't have to have objective 6 selected to say that marine reserve can be applied.
 - iii) The county does have an ordinance specifying no take but it is not enforceable. This seems like a case that is specific to marine life, tropical aquarium type species. We can do things specific to species but to fishing gears as well. You can't catch these types of species with hook and line etc. so there are a bunch of options that can be done if marine life is the target.

- iv) So we could pick number 9 and add specifics on gear restrictions.
- v) I am on the artificial reef and estuary committee. People often come give us presentations and explain how important this dive spot is. The little blue heron bridge is where they have found seahorses endemic to this area. I believe there is more diving being done under the little bridge than the small bridge. This is a really special area and we might need to be redundant with protection.
- vi) The county park only goes to the mean high water line.
- vii) If it was a state park it would go out 400 feet so why don't we make it a state park?
- q) Area 9: Top objectives: 8, 6, 11.
 - i) In response to the question of why pick this area, the state parks present unique opportunities. The area is less impacted by terrestrial problems. If you add protection to marine element, you have a little package. My idea is to extend state parks into the water in all cases.
 - ii) This only goes out 900 ft. so were only adding 600 ft. to the park of sand because the reef ends.
 - iii) There's lots of turtle nests and seagrasses there too.
- r) Area 7 and 8:
 - i) Is there a reason they aren't combined?
 - ii) We are all about alternatives.
 - iii) Lauren W: RA 7 was drawn to protect spawning aggregations, RA 8 was drawn because of the 20-30% no take. But yesterday they started to look at both as spawning aggregation areas. Originally wanted no take off Jupiter but people thought there would be too much push back so moved it south.
 - iv) Jenny P: I just think it's important to understand that these are identical essentially but that they are both being presented for alternatives if the public finds one more acceptable than the other.
- s) Area 6:
 - i) Is there a lot of coral there?
 - ii) It's actually worm reef.
 - iii) : Question, has anyone used number 12 (tool) lionfish?
 - (1) Because it applies everywhere. Lionfish is a problem unanimously.
- t) Area 4: Top objectives: 3, 8, 12.
- u) Area 5: Top objectives: 3, 8, 12 kept as a second option to 4
- v) Area 1: extended to include bathtub reef (across the inlet)
- w) Area 3
 - i) There is high density of sea turtle nesting and gets a lot of water quality issues from Okeechobee and high use for fishing and such.
 - ii) Kingfish hole is between 2 and 3.
 - iii) The state park extends into the water.
 - iv) South of the park is a wildlife refuge so it's still protected area. I think it goes out a mile.
 - v) Ann W: Once you finish we will step you through RMA ballot.
 - vi) One thing that just stood out to me as we were going through this. Going back to RA 7. Having gone through different processes in the past, this box is worrying. You are blocking off a huge area that many people are used. These

- tools can be construed as anti-fishing which will be a lightning rod for a lot of people to oppose this hard. I would recommend reconsidering this box.
- vii) You're assuming that people will choose no-take reserves, which is definitely not the case for sure.
 - viii) Just asking you to consider this, blocking off easy access to an inlet this will definitely be an area of contention.
 - ix) The first assumption is that any spatial protection is no take, or that it will come later.
 - x) This box was originally looking at the offshore and for various reasons it got expanded a number of times, we may want to focus back in on the intent and not block off nautical miles of area that stakeholders will freak out about.
 - xi) Objective 6 is not for that area.
 - xii) If the objective is water quality than the tool is LBSP so it's specifically not no take so as to not scare people away and loose the box entirely.

1.8. November Joint CWG Meeting Minutes as they Apply to the DST

November Joint CWG Meeting Minutes

November 18th 2015

- 1) SEFCRI Boundary Discussion
 - a) SEFCRI boundary as it stands does not include all areas recommended for management. Some areas are in the inter-coastal and estuaries (often LBSP focused) and some are north of the boundary
 - b) Inshore area would incorporate the ICAs
 - c) Was it voted to not include the watershed?
 - i) Group said no, the watershed contributes to the health of the reefs.
 - d) May be best to include the county boundaries? Easier to explain to public but at the same time the ICAs reflect where the water flows east. All water within the counties can affect the coastal water
 - e) Three proposals
 - i) County boundaries
 - ii) ICA boundaries
 - iii) Inter-coastal areas
 - f) Have separate boxes for areas that target different things. E.g. Outreach/education could follow counties, ICA and water shed for inshore RAs, and Outside boundary for offshore RAs
 - g) Important to delineate where the ground water shed and where the surface water shed are.
 - h) Might be better to educate the community on all three areas.
 - i) Important to keep map simple for the public. Want a map that shows what coral reefs are influenced by RMAs and that is the Outside box (green). Don't want to big of a geographical area.

- j) Be clear that the outside box is the focal area but perhaps explain in an intro that explains to them about the watershed and that some RMAs take this area into account and then go into presenting on the counties.
 - k) If you give them too much information you will lose your audience.
 - l) Not many of the RMAs deal with the watershed. We aren't doing anything like BMPs for building etc. Public may be worried that we are trying to affect future development in their areas. Suggest keeping it simple.
 - m) Conversation started because we needed to define a management area
 - n) Options
 - i) All counties plus the green box
 - ii) All the way out to the salinity control structures which is smaller than yellow box
 - iii) Three tier overlay with all boxes introduced
 - iv) Green box which is RMAs and main RAs in N146
 - v) Green offshore box and all contributing watersheds
 - o) Vote: Green box only stands. Area that we are focused on
 - p) Green box only: 21 votes for
 - q) Explain that there are a lot of activities that happen outside the reef system so you'll see a lot of recommendations that happen outside the area but the focus is on the reefs. The end result is protecting the reef.
 - r) There will be an entire station on LBSP
- 2) Rankings (Collated Results of Criteria)
- a) Split into roughly equal categories, so about 25% of lowest rankings for category were designated low and same goes for med/high
 - b) All relative to the other RMAs
 - c) It differed by each of the criteria
 - d) First talk about priorities with public
 - e) There is a diff matrix for each benefits category
 - f) So for ex if it had very high benefits you run it through the very "high matrix"
 - g) Did this for all relative benefit categories
 - h) Kept in order of benefits first and then priority within each ranking
 - i) This will be discussed more in the spring
 - j) Is this part of the community meetings? And if so, we need a better way to simplify the explanations.
 - i) Will not presented to public at up-coming meetings.
 - k) These were done to help the group start to think about how to prioritize these RMAs.
 - l) How can we get feedback from the public about priority ranking of RMAs?
 - i) One question instead of multiple to keep it simple.
 - ii) Can compare feedback from public
 - iii) Unrealistic to think the public will be able to look at 70 RMAs and prioritize.
 - iv) You'll see where the priorities are with the public by which stations have more people.
- 3) Content of Individual RMAs to be Presented in the Final Report and Made Available at the Community Meetings (Jan/Feb)
- a) RMA # and associated title

- b) Background info
 - c) Goals/Objective
 - d) Benefits and risks
 - e) Agencies/Organizations
 - f) Permitting/Enforcement
 - g) Maybe put goals and objectives in the back.
 - h) People are not going to read all of that. Just want to hit them with the big stuff. Just Title, Objective, Description
 - i) Thought of making them shorter but if group agrees to shorten for community meetings then that is what will happen.
 - j) Alex says that retired people will want to read the details so it is important to have the material available to those who are interested.
 - k) Maybe just have a 1-page list of titles so you can look at them and see which ones you are interested in.
 - l) Have list of RMAs posted behind each kiosk/station. When people visit, ask them if they want the shortened or long version.
 - m) Have document holders with labels for people to grab as well
 - n) Working on an online tool so you can go to site, pick focus area, then get all RMAs for that focus area and then they can click on it and submit comment card.
- 4) Review and Update Recommended Area names in RMA N-146 and S-2
- a) Start with Mooring Buoy areas S2
 - i) S2_01 St. Lucie Reef changed to Peck Lake/St. Lucie Reef
 - ii) S2_02 Breakers Reef changed to Breakers/ Cable Crossing
 - iii) S2_04 South of Hillsboro Inlet/Suzanne's Ledge North
 - iv) S2_05 Key Birch changed to Birch
 - v) S2_06 Bahia Mar
 - vi) S2_07 John U Lloyd State Park/aerojacks/NAVY exclusion zone changed to John U Lloyd State Park
 - vii) S2_08 Hollywood
 - viii) S2_09 Newport
 - ix) S2_9-2? North Shore Park
 - b) N146 areas
 - i) N146_01 St. Lucie Inlet State Park to Bathtub Reef
 - ii) N146_02 stays same
 - iii) N146_03 stays same
 - iv) N146_04 stays same
 - v) N146_05 stays same
 - vi) N146_06 stays same
 - vii) N146_07 Jupiter
 - viii) N146_08 Juno Pier (agreed to move it west during last meeting)
 - ix) N146_09 as is
 - x) N146_10 Blue Heron Bridge/Phil Foster
 - (1) Now that this area has moved to intercoastal need to decide on boundaries
 - (2) Do not include sandbar to avoid opposition.
 - (3) Don't want to include the channel
 - xi) N146_11 Lake Worth Inlet South of Peanut Island

- (1) Now that this area has moved to intercoastal need to decide on boundaries
 - (2) Objectives 10, 8, 12
 - (3) Intent was to protect seagrass in the area
 - (4) North end of area should be extended and the south end could be brought up further north
 - (5) Boundary moved back further south to include more of the seagrass.
- xii) N146_12 as is
 - xiii) N146_13 as is
 - xiv) N146_13-2 as is
 - xv) N146_14-2 as is
 - xvi) N146_15 as is
 - xvii) N146_16 Finks Delray
 - xviii) N146_16-2 as is
 - xix) N146_18 Finks Grouper Hole
 - xx) N146_19 as is
 - xxi) N146_22 as is
 - xxii) N146_24 John U Lloyd
 - xxiii) N146_26 County Line
 - xxiv) N146_28 Key Biscayne
- 5) Review work on RMA N146
 - a) Holistic view of RMAs looking at area by objective
 - b) Objective 6 No Take 20-30% of unique areas
 - i) Might be a good idea to look at areas as a whole
 - ii) Handouts have area number, top 3/4 objectives, and top 3/4 tools. Results of all voting.
 - 6) How will RMAs be presented in the Community Meeting (Jan/Feb)
 - a) Important to communicate what it is (areas of interest that have certain attributes or issues that needs some kind of attention, broad boxes, ideas) and what it is isn't (Not an action plan)
 - b) In general the way the RAs are presented are for the county that the meeting is in. Put it in context of what is happening in their backyard.
 - c) General presentation and then presentation at each kiosk/table
 - d) Focus on how to improve the whole ecosystem ensure success of protecting unique animals and habitat
 - e) Show areas, what features, objectives, and issues did the group identify and see if they have further input.
 - f) Important to use specific language like possible and proposed areas so people are not up in arms.
 - g) Make sure the public understands we want their feedback on where areas are and that they are a suite of options and many areas are alternatives.
 - h) Setting the context will be important in the meeting because people will make assumptions of what things mean.
 - i) Important to establish with the community, where the group started from, that it came from a global idea.
 - j) Instead of a hard solid line make draft plan a dotted line.
 - k) The group is going to get "slaughtered" on the no-take

- l) Need pre-training events before meeting for CWG members who are representatives there.
 - m) Will have a mis-information sheet, a living document that has definitions and terminology, as well as other ideas that have been misconstrued already. All of these ideas will be added to the living document as we receive them.
- 7) Community Meetings
- a) Important that they don't look like government meeting but stakeholder meetings
 - b) Will have CWG member host the meeting
 - c) Jim B suggests having standard video to show at each meeting to introduce the process, what has been done, and where the process is at currently. Then each individual host could make additions.

2. PROCESS AGENDA PLANNING MEETINGS AND DEBRIEF MEETINGS MATERIALS

2.1. March 2015 Process Agenda Planning Meeting Minutes

March Process Agenda Planning Meeting

February 25th, 2015

- 1) There will be 4 meetings in the upcoming months before the break. Need a good tracking mechanism on incorporation of feedback during these meetings. Something simple
 - a) The list of RMAs will be refined in March and April
 - b) Spatial Planning will be in May and June
- 2) Need to have a discussion on combining and choosing RMAs
- 3) There were 11 actions that were redundant (MPAs/ rotational use). These may be combined.
- 4) Combining between groups is not planned until after the 2nd review process but the combination within the groups will occur.
- 5) Want to give both groups opportunity to see each other's RMAs
- 6) Objectives for March Meeting
 - a) Review overall OFR process and timeline
 - b) Share recent/upcoming events
 - c) Review SEFCRI/TAC Feedback
 - d) Identify questions about feedback
 - e) Begin to apply feedback to strengthen RMAs
 - f) Demo of tool for spatial RMAs
 - g) Finish narrowing down the spatial actions to be used with the DST.
- 7) Decide how to organize feedback for the CWGs
 - a) Ten categories for RMAs
 - b) Each recommendation has 7-10 pages of feedback
 - c) In March there will be 5 people at each table working on 10 RMAs and then they will do another 10 in April.
 - d) FDEP will combine and summarize all RMAs
 - e) Action Bins
 - i) Those that should probably come off the list
 - ii) Those that are already being done
 - iii) Those that require more information
 - iv) Consider archiving
 - v) Consider combining
 - vi) Revise
 - f) Topic Bins
 - i) Placed based
 - ii) Enforcement
 - iii) Boating/fishing
 - iv) Land based pollution
 - v) Direct impacts
 - vi) Education and outreach

- vii) Coastal Management and construction
- 8) 45 minute DST demo including questions and answers

2.2. DST Training Session Planning for April 2015 Meeting Minutes

DST Training Session Planning for April Meeting

March 31st, 2015

- 1) Anne has allotted 1 hour for the DST introduction (2:45-3:45pm)
 - a) Should the training happen or just the introduction to the tool?
 - b) Is there enough time in the schedule to give 1.5 hours to DST training.
 - c) Options
 - i) Have simplified training at the meeting and an extra training for those who miss the meeting or want to delve deeper into the tool. The training would give them hands on experience.
 - ii) Have simplified training at the meeting and an extra training that is only a webinar for those who miss the meeting. Downside is that this will not give them hands on experience.
 - iii) Have full training at meeting. Shorten intro to 30 minutes and lengthen training time to 75 minutes and no extra training.
 - d) 30 min to introduce the tool
 - e) 45 minutes to walk through, demo, and train.
 - f) Also have option to record the training live or just the screen and voice (Tegrity) for those to view again later.
 - g) Tell CWG members to bring their own laptops if they are able
 - h) What documents will we go through?
 - i) Layer request document
 - ii) What the tool can and can't do for you
 - iii) Brief data limitations. Ex. Coral data only available for sites surveyed.
 - iv) Quick tool walkthrough
 - i) Have break before we have them log into computers so that the computers can be set-up
 - j) Have them think about the RMA before they log in and which filters may be important to them using the RMA planning or "cheat" sheet.

2.3. DST Training Process Planning for April 2015 CWG Meetings Minutes

2.3.1. *Decision Support Tool Training at April 2015 CWG Meetings* *April 2, 2015 9:00 am – 11:00 am*

1. **DST Intro** power point (15 min)

a. Marine Planner Layer Development Process (3 min)

- Original marine planner design and layers were chosen by project planning team.
- All RMAs were reviewed for possible use in the DST - Final list of 20 that thought could most likely be informed by the tool
- Of those 20, CWG members provided a list of spatial criteria needed to help “site” the RMA.
- All spatial criteria were compiled and condensed based on commonality.
- A search was conducted for data for ALL available spatial criteria.
- Spatial criteria were binned into two main categories
 - Added to the Marine Planner
 - Removed, Unavailable, or outside the scope of the current project.

b. Layer request document (3 min)

Explain document-The layer request handout itemizes all of the layers, their category, if the data were used for filtering, the RMAs from which they came, and why they were removed.

- Removed from list- with explanation of why it was removed
- Not available or outside scope of work, w/ notes on status
- In geodatabase
- Indicates if visual or filtering
- Not in geodatabase
- HOMEWORK- Review document If have any questions e-mail walker@nova.edu
- c. Review Marine Spatial Planning definition (0.5 min)
- d. Review the objectives of the tool and What is Decision support? (2 min)
- e. What tool can and can't do for you (5 min)
- f. Data Limitations (2 min)

Spatial aspects

- Data may not cover or represent the entire Planning Unit (PU) – max values within a PU are associated with filtering.
- Nulls do not equate to zeros – many PUs devoid of data

Temporal aspects

- Data collected over a long period of time or older data – This is relevant to many data sets including fish, coral, anchoring, mooring.

2. **Demo walk-through** (12 min)

a. *Log in* (0.5 min)

- i. Have to log in, allows use of filtering
- ii. Allows save drawings, share drawings

- b. *Point out New tab* (0.5 min)
 - i. Data active and legend are the same
 - ii. New tab "designs" this is where the tool is integrated, only see this tab if you are logged in
- c. *Filtering Decisions* (2 min)
 - i. Part of the approach here will be you as a group consider the RMA you are working on, deciding which features are important to you. (ask Ann/Heidi, have group go back and look at what was originally put in tier 1??? Or do it fresh? Might need a synthesize document only for Selected Large Group RMA work through-might be able to address in this presentation)
 - 1. DATA TAB Some features may be visual. So for instance may go in and as a group decide that pillar corals and commercial anchorages are of interest to you.
 - 2. DESIGN TAB Then you will go through the filtering tools and again select features that are important to the RMA you are working on.
 - 3. As a group you will need to consider the values of those features that are of interest to you.
- d. *What that might look like Demo* (5 min)
 - i. Many more filtering tools available than the MARCO that was demoed in August. So it takes a few seconds for the grid to filter.
 - 1. Show click on show cells
 - 2. Zoom in
 - ii. 6 pages of various filters and they have been binned by topic
 - 1. Group decides **Average depth** is important - (need to ask Ann and Heidi if do each one completely or select features first and then go back and slide bars, regardless not addressed in this demo)
 - 2. Slide bars to 20' -40'
 - 3. Group decides avoiding the **anchorage areas** is important (anchorage area exclude)
 - 1. Some layers are also listed within this part of the tool so you can turn them on visually from here
 - 4. Group decides avoiding all reef resources is important (**percent reef - 0**)
 - 5. Mention the bin of each topic page - short as possible
 - iv. *Spatial Options* (2 min)
 - 1. Save it
 - 2. Now group has several options/areas that meet this criteria that the group decided on
 - 3. Now group can discuss if there is something additional about any of these areas that maybe wasn't in the filtering tool or maybe there are some visual layers they would like to bring up and then draw a final option, which may be exactly what's on the screen from the filter or might vary a bit.

- v. Drawings (2 min)
 - 1. Drawings can be a subset of your options
 - 2. Info specific to that drawing is saved.
 - 3. You can share the drawings and designs.

3. Questions (3 min)

4. Hands on Practice (20 min)

- a. Everyone get to a computer. No more than 2 per computer if possible.
- b. Everyone Login – share general login info for those that had passwords reset
- c. main topics
 - a. Have everyone go to designs tab click + to start new design.
 - b. Intro the layers, slider bars, entering values, checking number of PUs, scrolling through pages, turning on layers, Toggling sites on and off, using the info tab.
 - c. Work through having them save their results
 - d. Have them share the design. Then remove shared design.
 - i. Note you can't delete items shared with you.
 - e. Show them how to access saved/shared designs.
 - f. Have them create, edit and save a drawing.

5. Practical Scenario (20 min)

Run through N-133 Establish mooring buoys and anchoring areas at appropriate locations to prevent adverse impacts, and are preferred by boaters.

6. Questions and Discussion (10 min)

*2.3.2. DST Training Process Planning for April CWG Meetings
April, 9th 2015*

- 1) Brian went through schedule of training using outline that was emailed out prior to meeting.
- 2) Lauren's original outline was modified accordingly
 - a) DST introduction power point presentation
 - i) Not quite finished. Needs to be looked over in detail and revised but basic outline ready.
 - ii) Review MP layer development process. Go over how/why layers requested were added or removed.
 - iii) Pass out and go over layer request document.
 - iv) Discuss lumping of layers requested (ones with similar wording merged)
 - v) Explain visual vs filtering layers
 - vi) Explain spatial and temporal aspects of data limitations.
 - vii) Brian will have people ask questions as he goes over the introduction rather than at the end.
 - b) After the walk through there will be a hands on practice session.
 - i) Practice walkthrough of a management action

- ii) Don't want them to get a result for an actual RMA but just practice how they would do so.
- iii) Choose a simple RMA like N-133, mooring buoys.
- iv) May have time for the MPA scenario as well.
- v) Total time for intro and training will be 120 min
- c) What are our expectations of the CWG members regarding the tool.
- d) Jamie suggests not using the MPA scenario but just the mooring buoys scenario because we do not want them to get too bogged down and it is a complicated design.
- e) Will need to highlight specific info in the tier 1 and tier 2 documents that the CWG members would want to address.
- f) The more realistic we can make the example the better.

2.4. South Community Working Group April 2015 Debrief Meeting Minutes

South Community Working Group April Debrief

April 16th, 2015

- Should a user manual be created for the Marine Planner?
- For the NCWG meeting next week, we will have them vote on one of the place based MPA management actions and one of the mooring buoy management actions
- The North group will not have a discussion of combining RMAs first so that will free up some time.
- In May we will talk about objectives as a group and then break out into three smaller groups to work with the tool and then come back together to discuss results
- Time allocations will need to be considered
- Will have another discussion about this later to finalize details.

2.5. North Community Working Group April 2015 Debrief Meeting Minutes

North Community Working Group April Debrief

April 23rd, 2015

- Break out into three groups and then merge the ideas and have a combination to review.
- Tool gives inputs on where to put the final plan. Really need to think about going the extra step now. Take inputs and create something meaningful out of it now.
- First initial inputs but in order for it to move forward need to know what the final product looks like. May be more than one plan but need a plan developed.
- Divide into 3 groups, what features do you want to use, pull up a map, one group says mooring buoys should go here, then large group discussion and then the groups show their results and how they got it. Which features as a group do we want to include when we send this map to SEFCRI, brief convo to decide what to send to SEFCRI.
- Coming out with the option of a plan and the justification for it by explaining the features and why they were chosen.
- People might get hung up on scope of it like how many mooring buoys are we talking about. May need to address that right away so they don't get hung up on these things.
- Talk about decision criteria in the big group? No in small groups
- Advantage of doing it in small groups we all come to individual ideas
- Broad discussion of objectives as large group, agree to objectives and then breakout and decide on features as small groups.
- When get to small group first thing we look at is the cheat sheet and look at what was said in the spatial worksheet for each RMA.

- Prep them with what was already identified and then decide what to add or what is no longer applicable.
- Can it be and/or in the tool?
- No only and. Need to work around by saving the first filter and then adding the second.
- High *Acropora* density or high pillar corals. Can't do but can save them separately and look at results.
- Agree on criteria used to make decision and then what are the features you will use
- Decision criteria would be saying I want to do this in area with high coral coverage. It's a step between objectives and features.
- Criteria should be referred to as objectives not criteria.
- Objective is stated as action and criteria is how you achieve the objective and then features and values are specifics used in filtering tool.
- Will give them a list of features and values that were already requested
- Each table starts with list and then decides what features and values they want to add or take out.
- Contextual input is just as valuable as using the tool. For example, mooring buoys in Palm Beach because of current. Tool may show locations there but still need contextual.
- Sending the TAC all the different outputs from the tool is not a good way to do it. Makes more sense to develop areas up front and record how the outputs were decided on (1-3).
- A drawing can only be one shape so the difficulty here is that if we want to compile 3 different areas we would have to do that processing. If using reports to look at what to keep or get rid of.
- Three breakout groups: one can use Ebeam, one computer projection, one laptop?
- At Nova we can do three separate rooms
- How much time do the small groups need for mooring ball RMA? Dana said 90min and Ann says 50min...
- Starting MPA RMA in May but working on it in June. It's like mooring buoy times 10. Almost have to think about it action by action. Have to go through each objective as a separate exercise.
- Multi-objective zoning exercise. So will have objectives related to each type of zone. So a very layered approach.
- Best outcome for May would be to agree what are the zones are and what the objectives are for each zone.
- Then in June they will have to look at features and values for each zone and objective.
- Part of their homework to May is to take some of this info to stakeholders for June. Actually always an ongoing task to update stakeholders on what is going on

- Need a more cohesive plan before we have everyone comment on it. Don't want what happened in the FL keys.
- If June meeting is successful there will be one or some MPA zone framework actions. Learning from what happened in the keys, they were just drafts and people ideas and they got misinterpreted.
- When some map comes out no matter how it was derived you will get some kind of reaction.
- A lot of prep work and thinking that needs to go into MPA RMA.

2.6. Process Agenda Discussion for May 2015 CWG Meetings Follow-up Meeting Minutes

May 2015 Process Agenda Planning Meeting 5/4/2015

Materials

- Flip charts are a way to capture the additional contexts of individual group discussions to bring back to large group after.
- Flip charts from other groups reporting out if necessary
- Poster showing RMAs that need more info up on the wall? Yes
- Add E-beam under electronics

Breakout Group tool drivers

- Two people per group someone driving tool and the other person facilitating
- Kelly will take Amanda's spot for May South Meeting
- Jamie, Megan, Karen, Austin not driving tool. Brian and Karen, Amanda/Kelly and Meghan, Lauren and Jamie.
- Do we expect a lot of follow-up for facilitators between the meetings to prep for the next meeting? Hard to know because we don't know what the groups will be coming up with.
- Pine jog has second room we think. So main room have Ebeam on back wall. So two groups in one room and then the last in another
- At Nova we have all of the meeting rooms

Agenda

- Adding a review and approval of previous meeting minutes
1. Discussion objectives for Mooring buoys
 - Work on mooring buoys first and then the MPA framework
 - First talk about objectives with large group and then break into 3 small groups who will talk about features and values needed for this RMA in the tool.
 - CWG members will need to have RMA info printed out because we will be projecting the tool not the objectives so they should have a hard copy.

- Separate call set-up to refine document for spatial RMAs
- Ann foresees situations where they won't get consensus on all objectives which is ok because we'll keep all objectives on there.
- Not trying to get complete consensus on objectives before going into small groups. Just going to be a little messier in terms of what the groups will work on but it is reality of what we've got.
- Groups will also have the data layer cheat sheet with values and features.
- Facilitator will let the driver know what features and values to turn on and remind them where we might not have relevant data. Then look at features and discuss local knowledge that may add to discussion.
- Encourage someone at table to do report out rather than facilitator because it builds more buy-in when reporting out.
- Brian, Lauren and Amanda will meet separately to discuss how we should step the small groups through the mooring buoy discussion and driving the tool.
- Designs can be shared with everyone through the Marine Planner so nothing needs to be loaded.
- Share designs as admins first to have control of designs shared but then after the large group discussion we can decide which designs should be shared amongst the large groups (North and South).
- More getting them acclimated to the kind of process they need to get used to first before tackling the MPA designs

2. MPA framework Objectives

- Is an hour and a half enough considering we are not getting a consensus but just a list? Everyone agrees yes or at least hopes so.
- Print outs needed for this RMA. Will need someone to run and print updated sheet after the discussion for CWG members to look at.
- Do we want to start talking about features and values during the objective discussion? Or do we think this might get them in the weeds?
- Enough on our hands just talking about objectives

3. Public Comment

- Dave Bingham on presenting out on an app that is available for people to use for fishing regulations.
- It is relevant and interesting but we don't have time to build into our agenda when we need to focus on using the tool to plan out these management recommendations.
- Dave can report out about app during current events and can set something up during lunch to show people the app and how it works.

4. More Details

- Show them all objectives that have come out of tier one and then point out the ones that relate to spatial planning but keeping in mind the quality check but not asking them if there is something missing.
- Devoting time to discuss the objective will take a lot of time but if you don't let them discuss it won't be as meaningful to them. They need to agree on the objectives before using the tool.

- Features discussions are pretty cut and dry but the objectives are the meat of the effort and discussion. Agreeing on what we are trying to accomplish with the RMA.
- Start with a list of objectives from the list of tier one, are there any gaps or things that need to be added?
- First show objectives from tier1 documents and let them add objectives missing. Then ask them which of these objectives we agree should be used to identify the features to design the framework and run through yes/no. Decide if they are consistent with our mission.
- Go through vote for each objective or include any objective someone proposes?

2.7. Process Agenda Discussion for May 2015 CWG Meetings Follow-up Minutes

Process Agenda Follow-Up Discussion for May 2015 CWG Meetings

May 13th, 2015

- Should we include the SEFCRI area as the larger protected area? Dana says she thought it was implied in the RMA. Brian says need the boundary for the first regional area. East/West boundary. Some actions you may want broadly throughout the entire region and some are more specific.
- First need to agree on the boundaries of this exercise
- How do we avoid it taking long? Start by saying this is the SEFCRI region but SEFCRI is only really defined by north south. Have focused on the shallow reef areas in past. Show edge of shallow water reef system. Start off as defining it as 3 mi state waters and if they strongly feel they need to go outside that line then we can go from there. Brian says that will happen. Could use 120 contour line that goes along shallow water reef system.
- Right not really isn't an objective that would include deeper ships and artificial reefs. Maybe fish protection? Lots of fish on them.
- Can only analyze what is in our current framework for the tool so Heidi's approach is good for getting through the day that way.
- Current boundary in the tool is essentially just the habitat map footprint which goes out to about 120 foot contour.
- For mooring buoy the one pager will identify one objective as spatial and one as implementation
- For MPA will be different process because we have a lot of objectives. Have them try to keep it spatial and try to prioritize the subset of objectives
- Sounds like at least 12 that are spatial, Should they discuss as group what they should look at first in tool or use dots and vote. Dana says good to discuss because some people might not understand the objectives. So have discussion and then use dot voting after prioritization

- Copies of planning sheet and copies of how to use the MP DST sheet for all members
- N114, N-144, S-20

2.8. North Community Working Group May 2015 Debrief Meeting Minutes

OFR North CWG May Meeting Debrief

May 18th, 2015

1) Overall Meeting Outcomes (re-cap)

- a) Helpful to have James Byrne there.
- b) North was getting frustrated because there weren't as many sample sites up north so it limited their planning units available when they started adding coral and fish data.
- c) Jim Bohnsack said forget the data just draw a box. Lauren agrees they were getting bogged down but there still needs to be an original reason to draw a box.
- d) Came up with one unified mooring buoy plan across the region. Went really good. Kept it simple. Plans complemented each other well and were able to come up with plan down into Broward but not really into Miami-Dade.
- e) The objective 20-30% no take got the most votes.
- f) Lauren and Amanda's group started with the 20-30% objective but then moved to the spawning aggregation objective.
- g) Took the approach of looking at each eco-region and went through the data available. Came up with some boxes looking at coral data. People were starting to get comfortable with the data, the data limitations, and using the tool.
- h) Jim made a good point. We have lots of data but were never going to have as much as we want so at some point we just have to try something.
- i) It was a little confusing to have James and Jim in the discussion. Jim was at this meeting because he missed the south meeting. He dominated the discussion but that may be because he missed the south meeting and as acting as a CWG member
- j) Twelve new spawning aggregations that Dana announced at meeting actually already fall in the original polygons.
- k) Because Nikole is out there all the time she knows what's going on out on the reef. We want the local knowledge. Not just about the data. What Nikole had to say about the aggregations may actually have been more valuable than what the data said.
- l) Some individuals didn't say anything all day. Some contributed a lot more than others. Anne says that is ok. If they don't have anything to add than that is fine but if they feel that they can't get a word in that's a different story.
- m) Think we need a strategy to get the rest of the group engaged.
- n) 14 people attended meeting. 3 people left in the afternoon (April, Leanne, Greg)
- o) CWG member responses
 - i) Overall responses were good. High point was learning more about the tool
 - ii) Data limitations frustrated some individuals. Lack of options for MPA areas
 - iii) Comment to get more people to the meetings
 - iv) Extent of options for MPAs was daunting
- p) Spent too much time on one topic
- q) Frustrated by CWG members rehashing whether RMAs should be RMAs. (e.g. Mike Brescher bringing up whether N-146 should be an RMA). Anne wanted to keep him engaged and not shut down.

- r) Should we ask CWG members to “peer pressure” each other to attend the meeting to increase attendance?
- s) Can we ask members that are attending to call other members and encourage them to attend?
- t) Can Meghan make a list of people who have not been coming and a list of those that have to call their respective members?
- u) If members are not going to be engaged, should they drop off and provide an alternate?
- v) Should we tell the members and alternates that at the June meeting we will be sighting an MPA framework, do you want to be involved with that?

2) June Meeting

- a) Karen thinks we need to revisit how these RMA will be implemented
- b) Dana thinks we need to let members know that agencies like FDEP and FWC are interested and that these recommendations can be elevated.
- c) Report back to the groups that leadership communications is happening and they are being engaged.
- d) Heidi had an idea to see if we can get a legislator to come to one of the upcoming meetings. See if Johanna or Jamie has a contact to make it happen. Maybe have Kevin from FDEP Tallahassee office to attend meeting.
- e) Having leadership come to show them the way forward. Would need to strategize with Kevin first. Need to let the group know how their ideas will be used.
- f) James Byrne guided them through creating the MPA. The group then figured out a plan. Asked James if he’d be willing to do that for both working groups.
- g) Want the groups to have a systematic approach to create MPA framework so we asked James Byrne to come talk and help us think through an approach that the groups may want to use. Just ten minutes to present this.
- h) Look at five objectives rather than 3 like in the north
- i) Best approach will be to let each of the groups to start with the one that they feel most comfortable with. So envision that we will have at least two, maybe even three sessions. Will only have the one RMA to work on.
- j) Objectives for June meeting: Add one to add conversation to clarify objectives, presentation from James on how to think through an approach to design an MPA framework.

2.9. June 2015 Community Working Group Process Agenda Follow-up Call Meeting Minutes

June CWG Meeting Process Agenda Follow-up June 8th, 2015

- 1) TAC Team review is most likely first week in August
 - a) FDEP invited to small session to present NCREMP Social Science outcomes for Florida. It includes data from survey and management implications of the results and is from 9:30am-12pm in Evie Boardroom and another presentation at 1pm for NOAA crowd.
- 2) **June Objectives**
 - a) James will be giving talk on how to site the MA. Dana thinks the talk should be based on James' personal experience and not as a TNC. Don't want any possible perception that TNC has a role in MA design.
 - b) Review the work completed by the working groups in May and discuss the objectives selected in May for N-146 and any wording changes.
 - c) The south did not make any changes to the objectives but the north did so the North will just have a quick review of the changes made and the south will have to review the objectives and decide if they want to make any changes or remove and objectives like the north group
 - d) Do we tell the south what the north changed or not?
 - i) Dana says there is no need. Merging ideas is not needed now. They are just coming up with options. Maybe just share what the north group did but cannot force them to adopt the changes.
 - ii) Brian thinks it will make things more unified if they are informed of what the south group did. They should know things were changed and those options are available for them as well.
 - iii) If south group wants to make any changes to the objectives (whether it is because of what the north did or not)
 - iv) Do we need a document/handout that shows the south the changes the north made? Maybe just have it up on the screen rather than a print out. Dana will put this document together.
 - b) Lauren thinks south will need to discuss the definition of "protect".
 - c) Dana doesn't think we should let the north and south discussion go back and forth. The north has already started out mapping the altered objectives
 - d) Need to let them know that the MA will be stronger if it is consistent between the two groups
 - e) Brian "It only applies to one MA or one objective". It needed clarification because 20-30% was not clear.
 - f) Heidi will need help spur the conversation of MA objectives with the south group as they were not that talkative last meeting.
 - g) Do we need to add an objective to bring up the "Fall Field Trip".
 - i) Dana will try to get more details. Need to figure out cost, funding (James is helping look into options), etc.
 - ii) Dana wants to be more sure about funding and details before it is announced.

- iii) Need to at least let them know that this will be the last meeting until the fall.
- iv) Did we decide whether we should have just one joint meeting at Nova in the fall or do we need multiple locations?
- v) Let's survey the group and be clear about the options for meetings every 3rd Wed of the month. A) flip flop every month having one meeting in West Palm area and one at Nova or b) have every meeting in a more central location like Boca and using the meeting room that the COTF uses right off of Yamato Rd.
- vi) Should have Manoj Shivlani, Margaret Miller, and Kurtis Greg at south meeting as members of the TAC.
- vii) Switch objective number "5" before number "4". HW is first thing after current events and then the discussion of objectives. James is presentation is now after the discussion of objectives.
- viii) Lauren cannot make it to the June south meeting so we need a facilitator for Amanda's group. Maybe have Meghan and Karen be the facilitators as they have most knowledge on process.

2.10. South Community Working Group June 2015 Debrief Meeting Minutes

SCWG June Meeting Debrief
June 18th, 2015

- 1) Input from CWG members dependent on where they fish from. Ex. Skip expressed concessions for certain locations because they are popular fishing spots.
- 2) Self-motivation advocated for certain locations over others.
- 3) Voice of the fishermen was great to have in the process so having Skip there was advantageous
- 4) The COTF meeting was a reality check for potential outcomes of some of these RMAs
- 5) Some people when drawing boxes kept focusing on no-take zones rather than just focusing on important areas related to the objectives.
- 6) Different expectations of what those spatial plans actually mean.
- 7) In Brian's room everyone was under the impression that the areas they selected were no-take
- 8) In Amanda's room we made sure that everyone understood that the areas were only important areas of interest not necessarily no-take.
- 9) Bullet list of why they chose the areas they did so we already have information on different perspectives which helped them decide on these locations.
- 10) Should we just have the boxes and have agencies decide later what the boxes end up being?
- 11) Within discussion they started talking about different rules that could be related to each box. Started thinking in terms of different activities would be allowed.
- 12) Bigger picture we need to remember that this is just one RMA.
- 13) It's one RMA but for a lot of people it is THE RMA. A lot of people may drop them all just to see this one through.

- 14) Need to think about what happens next? Is another group formed to decide how things are managed or does it go to agencies? Important to think about what happens after OFR.
- 15) Next week's NCWG Meeting
 - a) Current events need to be shortened so we don't go over time
 - b) Objective discussion will be shorter in the north. More of a one minute reminder.
 - c) Are we going to show the North group what the south came up with in the planner for the spatial plans for RMA N-146
 - d) Need to let them know that the south group is happy merging the north and south mooring buoy plans developed.
 - e) Brian showed his group what the north group came up with but Amanda did not show her group what her north group came up with.
 - f) At minimum, may be good to show north what the south has done so they don't feel pressure to get through the whole region.
 - g) Remind them of the 5 objectives the south group worked with. Show them the data layers primarily used.
 - h) Dana worried about wasting time by telling the NCWG about what the south CWG did.
 - i) Brian thinks they could get farther in terms of identifying areas and what types of things may be done in this area.
 - j) During session 4 about objectives we will show both north and south objectives and show areas later in the two breakout groups when they get to the southern end of developing their plan, we can ask if they want to see what the south group did and we can show them if they would like. Do not let them get into discussion and make sure they spend time working with their own objectives.
 - k) Full socioeconomic report is not available yet but will be soon. Dana will share the full presentation with us though.
 - l) Pair same groups as May meeting.
 - m) Should we have the groups get on the same page on whether the areas being drawn are just important areas or no-take areas? Make sure they understand that these are just areas that need some type of special protection.
- 16) One of the important features of the tool is that the members are able to share their shapes freely making the process more transparent.
- 17) What helped the keys process in the second round it helped them to see the rational as well as things to consider about each area. Useful to have the why with each box.
- 18) Fishermen debated that if you close an area to fishing it should be closed to diving as well because they cause damage too.
- 19) Came up at COTF meeting and with April in NCWG meeting
- 20) Get on phone with Chris Taylor and Ben Binder and share with them draft spatial plans the group has come up with. So if they need to prioritize aggregations they can focus on these areas because they can't do them all.
- 21) Dan had made a comment that we decided on these shapes for management so quickly but it's important to keep in mind that the reason the groups were able to make decisions so quickly because of the tool we have and all of the time that has gone into deciding on the objectives, organizing the data, creating the layers, etc.

2.11. North Community Working Group June 2015 Debrief Meeting Minutes

NCWG June Meeting Debrief
June 26th, 2015

- 1) Overall the meeting went very well and the group got a lot of areas on the map
 - a) Almost 50% of reef habitat in the SEFCRI region was covered by boxes drawn.
 - b) Worked well having the CWG identify areas that needed extra attention.
 - c) Put out list of areas that were suggested by the CWG to the team and TAC and see which areas they feel achieve the objectives best.
 - d) Look over reports for each shape and also the rationale behind creating each shape and why they were chosen.
 - e) Come September the groups will start tidying up the boxes and decide which ones would be used for each management type. May be an iterative process because the boxes may have been chosen depending on the management in mind.
 - f) Important as information of the spatial plans for the TAC and team that it is summarized and organized well. Rational will be extremely important and share both sides of why the area was chosen or not chosen.
- 2) When do the documents need to be ready for TAC and team?
 - a) Likely not including the information in the homework early unless we do get a request sooner.
- 3) End product of maps as spatial plan?
 - a) Brian says that would need a separate effort
 - b) Now you have areas that the CWGs have identified as needed special attention.
 - c) Would be the final product after the public review
 - d) Plan would include how it will be enforced, etc.
- 4) Rolling out spatial plans the TAC and team
 - a) When rolled out the TAC and team there will be a report with the objectives and which boxes met which objectives. It will help us get our heads around what they did. Which boxes are similar for objectives?
 - b) A few of the TAC and team have been involved throughout the process so they should help the other understand how these choices were made and how to use the tool and walk them through the process of how the spatial plans were developed by the CWGs.
 - c) Should we ask the TAC and Team to provide feedback on the overall large gaps that the CWGs missed or are there some of the places selected that aren't really special. Don't want to get into moving boxes or changing the existing boxes.
 - d) Lauren: Want to look at information gaps. Additional knowledge or data sets to support the boxes. Could see a box getting shifted but based on data that maybe we didn't have available to us at the time.
 - e) Brian: A lot of people thought the SEFCRI region would be a managed area at some level with more specific management within that area but still not defined what the larger area is going to be.
 - f) Don't want the idea of the SEFCRI region being an MPA to be lost because it is important to a lot of CWG members.

- g) Lauren: SEFCRI region is defined and we were trying to keep it within that boundary but there was pushback and decided that we should let them make recommendations outside of this region if it is really important to them. It may just be a separate effort by a different entity not FDEP.
- h) Jamie: It's easier to manage if it is consistent with the SEFCRI boundary but not impossible if it is not. May need to reach out to other partnerships to achieve.
- i) Should only have this conversation with the CWG if we have time to do so. If not out time is better focused on working on the N146 RMA.
- j) The CWG members were told they could make recommendations outside the SEFCRI region as long as the benefits reach the coral reefs in the region.
- k) The example of Blue Heron Bridge, protecting an artificial reef isn't protecting management of our coral reefs.
 - i) Jeff Beal pointed out that although it is important to stakeholders it does not have much bearing on the reefs. There are a lot of unique organisms but highly developed and artificial.
 - ii) At some point a line has to be drawn to say this is not where we are going but that we can pass it along to the proper entity like Palm Beach County for this example.
 - iii) Lauren cautions using Blue Heron as an example of an area that is important but that just doesn't fit within the bounds. It is mostly artificial and does have management in place, just not the enforcement.
- l) Jamie in favor of leaving the SEFCRI region as it has been defined and allow other RMAS that are outside of it rather than changing the boundaries.
- 5) In September we need to clarify the role of the different management actions and what our long-term objective of this whole process is.
- 6) In September make sure to clarify what the boundaries of the SEFCRI region is there the management plan is going. Not mixing state and federal waters into some bigger plan.
- 7) Make sure they understand that we're not throwing out recommendations outside of the region but they may need to go to other entities like counties, state parks, etc.
- 8) To-Do List for the July 9th Meeting
 - a) Identify objective items for the July meeting and for the PPT call next week (had meeting yesterday on this already)
 - b) Two 2-day back to back meeting in September and October
 - c) Revisit the prioritization process and the ground rules (re-establish) to remind them what they were and also now they will combining groups. Also clear up any topics that have brought up confusion.
 - d) Will need to talk about how we will manage the import from SECRI and the TAC.
 - e) How to manage how much you get back from the TAC and team?
 - i) Must manage how much you give to them to help manage what you get back from them.
 - f) February Dates
- 9) What do we want to give to SEFCRI and TAC and what kind of guidance we want to give them to help inform what we will get back.
 - a) Focus the amount of feedback received last time

- b) Last time individual recommendations were sent to smaller groups and asked them for general feedback and then some specific questions.
 - c) This time, not asking for an overall view but asking them to go in and do suggested editing with “track changes” to those documents because some CWG members have not had time to do so.
 - d) Need to be more concise in what we ask of them this time.
 - e) Three types of documents
 - i) Almost finished
 - ii) Needs tightening
 - iii) Needs a lot more info
 - f) On those that the SECFRI team edit, the CWG members will need to vet those and decide what they want to keep and what they don’t.
 - g) Part of meeting will be to go over the written plans and the other half will be to go over the spatial plans.
 - h) The team will need to review the data that was available to develop the spatial plans. Will need to go over how to use the tool and look at the data.
 - i) Also important to understand data limitations
 - j) Don’t see SEFCRI team using the tool themselves but instead being guided through the data and how it was used to chose the areas.
 - k) Ann’s idea is to show how much area the box covers, tell them here are the features used to choose them. Do you think it is a reasonable percentage or should it be higher or lower It will take up too much time to go over each in lots of detail. Goal of the Team is not to explore the data but to decide whether the CWGs chose the best places.
 - l) Jamie: Don’t think that SEFCRI team should be allowed to draw new boxes.
 - m) Let working groups figure out how to redraw the box with SEFCRI feedback rather than have the SEFCRI team redraw the areas.
- 10) Ann will draft up a list of objectives for the July 9th meeting. Probably not a process agenda yet.

2.12. **OFR Process Planning Meeting Minutes**

Process Planning Meeting for Fall OFR Meetings
July 9th, 2015

1) PPT Meeting Overview

- a) PPT decided they just wanted updates once in a while on what is going on with “MOIP”/OFR process
- b) Now, going to need the PPT more often than before
- c) Updated them on OFR, COTF meeting and the Process Legitimization Committee (composed of OFR members lead by James Byrne to figure out how to move recommendations forward.)
- d) Starting to plan the Feb 2016 community meetings (Public Meetings)
 - i) Goal of the meetings is to remind the public of what OFR is, what the CWGs have been doing, what the RMAs are, and obtain feedback on the prioritized list of RMAs (with supporting information) and two spatial RMAs
 - ii) Gauge levels of public support and try to gain public support (may not have time to accomplish this and may only reach some people).
 - iii) Share information with participants about why the CWGs feel these RMAs are important.
 - iv) PPT had good agreement about the goals of these meetings
 - v) Went over how the June 2013 meetings ran.
 - (1) Locations in Miami were not good. Look for locations closer to the beach and not so far west.
 - (2) Try to split meetings up into smaller sections to reduce drive time for people. Will need more help from PPT and SEFCRI team and TAC support to accomplish having 12 meetings. It is taxing on FDEP staff.
 - (3) Liked that there were day times and evening times to accommodate everyone’s schedule.
 - (4) Had activities in 2013 and the PPT liked that and found it successful. Have guided discussion or handouts.
 - (5) Started to look at dates for potential last working group might be in Nov or Dec and potential for public meetings being in Feb.
 - (6) Two months that we will have info out and available for the public to review.
- e) How do they want to implement these final management actions?
- f) PPT decided that we shouldn’t have handouts of maps at the meetings to avoid spreading misinformation. Maps that we do have will include the RMA that the maps are for and the details behind the objectives the area is addressing. Potentially the data layers used to meet that objective. Also include information (report) that compares the different areas.
 - i) Lauren will create “packets” that include all info associated with each drawing. Objectives met, why area was chosen, what data went into choosing, report of details of area.
 - ii) No handouts will go to SEFCRI team and TAC. It will all be computer documents. Unless asked for, they will not be given out.

- iii) May want to attach the talking points to the map as well.
- iv) What info will we be asking from SEFCRI team and TAC regarding these areas? What do we need with them come fall?
 - (1) Discussed asking them for feedback on overall impressions of each plan. Does it meet objective? Were the correct datasets looked at to achieve the objective? Feedback on where the “slider bar” should be set (correct features and values).
 - (2) Is this the correct box to meet the objective? Provide information on uses of resources within the boxes and specific threats in each box. Recommendations on actions that can be taken to alleviate threats
 - (3) Where boxes overlap, can ask them which box preferable, or should they be merged, etc.
 - (4) Dana: A lot of different perceptions in the CWGs on what the boxes mean or what they mean now but could mean later.
 - (5) Jamie: When get to the public meetings need to keep it simple and show the general zoning framework for each recommendation. Simple but transparent.
 - (6) Jamie: Objectives need to be linked to boxes. Ask SEFCRI and TAC for feedback on those that are linked to boxes and on what objectives the boxes that are not linked meet.
 - (7) Lauren: Only “how” we have to accomplish objective is no-take. All other objectives don’t have a “how”.
 - (8) Dana: Wanted objectives to guide the boxes but it got difficult and contentious because of disagreement on the objectives. So a lot of the boxes don’t reflect the objectives chosen but just identify important areas in the region.
 - (9) Need to get technical input from the team and TAC and maybe highlighting the management approach needed to achieve what is in the box. How should this objective be accomplished?
 - (10) Brian: For spatial RMAs we do not have any spatial “plans”. What we have now are areas that people find are important to meet some of the objectives in N146. What if you don’t try to develop those into a spatial plan but just present them as part of the recommendation? This is what we want to accomplish these are areas we found important. This area was identified because of X, Y, and Z. May be trying to get too much out of these boxes.
 - (11) Dana sees a bulleted list:
 - (a) Here is the RMA
 - (b) Here is the box
 - (c) Why boxes were chosen (features, data, objectives)
 - (d) What is in the box?
 - (e) Have team and TAC present more info about what they know about what is in the box (resources), the data, the uses, and impacts/threats to resources in that box, how we can reduce/address the threats in this box.
 - (12) For the two spatial RMAs, the objectives will be prioritized. They have been prioritized for the purpose of the tool but this is not the final prioritization.

- (13) Dana does not understand why it is a challenge to provide information and then having CWGs talk about the recommended approach to achieve threat alleviation in that box. A list of potential approaches that can be taken to tackling alleviating the threat in that box.
- (14) Jamie: If we take a list of important areas to agencies they will not do much with it but if we give them ways to address the threats in the special places, they will be more likely to take action. For these boxes, these are the “3” things that the CWGs agreed may be good for achieving the objective.
- (15) For each box, we need to talk about process for each box. Hopefully that will help to finalize the recommendations down the road.
- (16) Agreed in the past on the criteria used to prioritize. James actually plugged this info into a TNC matrix to show prioritization.
- (17) Urging the SEFCRI team and TAC to think of each recommendation (82 RMAs) as their own and having them take the time to do the editing that needs done (duplicative, deleting conflicting) with track changes to show what is needed in this document to make the a “final” RMA. Will go over these edits with the CWGs to make sure they agree. One set of tracked changes for each RMA (82 total).
- (18) What is missing in a lot of the RMAs is the how. They drafted up the ideas but they don’t know how to accomplish them. First round of team and TAC was just to review them but now we are asking them to help move them forward a step.
- (19) Heidi is worried about the difference between review and providing feedback and input. Seems fuzzy to Heidi. Thinks it’s weird that there is so much overlap between all of the groups. Worried about the amount they will get back.

2) Plans Before the Public Meetings

- a) Objectives for next CWG meetings in Sept., Oct., Nov. meetings (5 total)
 - i) Review input on 80 RMAs (minus the two spatial) and accept or reject
 - (1) Word cloud from question asked at the field trip.
 - (2) Working toward public meetings and will need the CWG’s help.
 - (3) Overview of where we have been, where we are and where we are going.
 - (4) Explain prioritization
 - (5) Housekeeping items to be sure to do: Re-establish voting criteria, group norms, focus on SEFCRI boundaries, definitions for MPA and no take areas (worksheet), if a member is present the alternate should be part of the audience, increase participation with divers and fishers report out.
 - ii) Incorporate and refine input for RMA N146 and S2 (by box not by Tier 1&2 word doc) Make sure the Team and TAC know that the boxes were only drawn with certain objectives but there are other objectives it may meet as well that just were not looked at.
 - iii) Rank benefits, feasibility, and cost of each objective within N146
 - iv) Prioritization and criteria ranking of all 82 RMAs
 - v) Need to talk about roles and action plan for public meetings
- b) How much time should be allotted for each of these 4 items
 - i) Review input- September (2 days) will also need to explain prioritization.

- ii) Incorporate and refine input for RMA N146 and S2 (by box not by Tier 1&2 word doc)-This may be started early if the CWGs finish i) in less than 2 days. October day 1&2
 - iii) Rank benefits, feasibility, and cost- October day 2
 - iv) Prioritization and criteria ranking of all 82 RMAs- November
 - v) Need to talk about roles and action plan for public meetings- November
- 3) Using the prioritization Matrix**
- a) Want ONE prioritized list of RMAs so we have two options
 - i) Combine all numbers and come out with one number to generate a prioritized list.
 - ii) Generate a prioritized list based on benefits alone and then talk about feasibility and cost of the highest priority ones first against each other and then the medium ones, then low.
 - b) Actually could figure out number two on the backend by looking at the numbers received if using the one step process listed in i)
 - c) Need to trial run how to do this with staff first.
 - d) Current proposal is to have them do the scoring first in sheet but then on the back end FDEP will divide them out by benefit category first.
 - e) Will score on spreadsheet and then put it into Karen's matrix spreadsheet.
 - f) Need to make sure that everyone votes if we are using totals because if people refrain from voting it would mess up the totals.
- 4) Public meetings in February**
- a) Facilitated discussion about the management actions at small tables
 - b) Questions prepared in advance to guide discussion
 - c) Boat show is Thursday Feb 11th-14th
 - d) January Meetings: Last week in January we will have 3 days equaling 6 meetings
 - i) Tuesday January 26th, Wed 27th and Thursday 28th
 - e) February Meetings: February Monday 16th, Tuesday 17th, and Wednesday 18th for second set of meetings.
- 5) SEFCRI Team and TAC Review**
- a) Give them:
 - i) Cleaned up RMAs
 - ii) Provide input on features, value, objectives used to create the box
 - iii) Provide input on spatial plans
 - (1) What is in the box (features, values, objectives)
 - (2) Objectives addressed
 - b) Ask them to provide:
 - i) Additional data for boxes. Check-in/local knowledge
 - ii) Uses within the box
 - iii) What are the threats/impacts and how is the box addressing them?
 - iv) Management approach to address
 - v) IF this is part of an MPA zoning framework, what distinguishes this zone? What happens here? What should this zone be?
 - c) Should we have break-out groups to go through each box? So they are all doing the same thing and answering the same questions but for different boxes.

- d) May get tedious to have one group go over all boxes together so breaking out into smaller groups will make the process easier.
- e) After working through the boxes by region in small groups, go over results in a report out. Report out would allow some consistency.
- f) Team and TAC may want to make edits/modifications and changes to existing boxes. Do not prompt them to do so though. Only if they identify that the box should be modified.
- g) Will not be allowed to draw new boxes
- h) What will go out to the CWGs:
 - i) Information for each box
 - ii) What's in the box
 - iii) What's going on inside
 - iv) What is the recommended management approach
 - v) Team and TAC may recommend to combine/merge, tighten up boxes that overlap.
 - vi) Modified (if any) boxes.

2.13. **OFR September 2015 Process Agenda Planning I Meeting Minutes**

OFR September Process Agenda Planning I
August 13th, 2015

- 1) General Overview of SEFCRI Team/TAC Meeting
 - a) Did a good job of considering threats within the boxes and adding additional data to help the CWGs decide on the boxes.
 - b) All RMAs will be shared with proposed changes in tracked changes. Small groups will work through those and the full group will come together to decide if they want to accept or reject those changes.
- 2) Process Agenda for September
 - a) Amanda is backup for small group facilitator
 - b) Review the OFR Mission and vision, recap work to date and discuss plans for the remainder of the process.
 - c) Establish rules of engagement for new combined group
 - i) Revisiting group norms: make a combined list of both north and south group norms, include rule about the alternate. Will be a poster that goes on the wall.
 - ii) Are alternates going to be allowed to vote if alternate is present and member is not? YES
 - iii) Ask if there is anything else they feel is missing from list that needs to be added.
 - iv) Review definition worksheet: MPA definitions (SCRATCH THIS, save for next meeting in November).
 - v) Will show slides of decision rules for north and south and ask them how they should be combined for their combined group.
 - vi) Clarify the SEFCRI boundary for RMAs that are in the SEFCRI region. Just want to remind them of the boundaries so even though they drew boxes outside of the boundaries, this process was designed to focus on the SEFCRI region.
(1) Dana's suggestion: see Heidi's notes
 - d) Develop strategies to increase participation with divers and fishers
 - e) Prioritizing RMAs
 - i) Ask working group members to give a score for each (benefits, feasibility, and cost) but on back end you would first prioritize based on benefits and then within those bins you would prioritize based on cost and feasibility. Will it be bundles or will there be an actual ranking.
 - ii) Ranked into 4 bins but then reordered on the back end to reflect weighted score for benefit.
 - iii) Need to be prepared to explain to the groups how this will work and also make sure it is very clear in the final product so it is known that the first cut is benefit.
 - iv) Need to decide if the members have to take home prioritization worksheet.
 - v) Comfortable giving them their score sheet in September and telling them it is due by Halloween? Or October?
 - vi) Lauren said she thought it needs to be homework because they need time to read, review and decide and 80 RMAs is a lot.
 - vii) Afraid if they do it during the meeting they'll rush through it.

- viii) Proposed that the CWGs will have two hours at the end of the October meeting to start working on their prioritization.
- ix) Need to finish voting before the November meeting.
- x) Ann would feel more comfortable if the DEP staff was the ones running the spread sheet.
- xi) Paper copy is best way to go. A lot of work on the back end but may avoid people making mistakes on spreadsheet.
- xii) People show up and hand in their “ballot”. Vote-like. Initial a form that says they did so. Want to keep the paper record so you can always refer back to them.
- xiii) Staff will type in paper record into spreadsheet
- xiv) Do voting at end of October meeting?
- xv) Only those that have finished at the October meeting would hand in ballot.
- xvi) Would have to be beginning of November meeting because they have to give paper copies. Could they scan it to DEP, or mail in?
- xvii) RMAs will be finalized and ready for ranking at the end of the September meeting.
- xviii) Will we send them home with paper ballots at September meeting and tell them they have 3 options:
 - (1) Fill out all 80 ballots and bring to October meeting and sit down with staff to enter them in at end of October meeting
 - (2) Bring blank ballots to October meeting and fill out ballots during the last two hours of the meeting and then give to staff to fill in.
 - (3) Fill out ballots at homework and give them a deadline that they have to scan, email, or mail in the ballots if they cannot make the October meeting.
 - (4) Can drop them off the Meghan in Miami, Lauren in West Palm Beach, or Brian at Nova. Fax will go to Miami office.
- xix) James thinks were making things way more complicated than it needs to be. Suggests that when they finish reviewing in September, have them give the scores while they’re reviewing them rather than asking them to do it after the fact.
 - (a) Problem is each small group will only be able to rank the 15 they’re working on and there are still the remainder of them that will need to be ranked.
 - (b) Prioritization is not supposed to be official. It should not be that the prioritized list is the direct output of this exercise. It is just to get a discussion going. Not everyone needs to necessarily vote on a ranking.
 - (c) Ann proposes that each table looks at tier one tier two for their 15-20 RMAs, decide whether they’re accepting or rejecting input and then have everyone report out.
 - (d) Remove any that are achieved and will need to combine some. So hopefully they will end up having less than 80.
 - (e) Report out on all, not just combos and changes. Just need to figure out the time allotted for it.
- xx) Homework ballot will be due Halloween October 31st

2.14. **Process Agenda Planning for September 2015 Joint CWG Meetings II Minutes**

Process Agenda Planning for September CWG Meetings II
August 21st, 2015

- 1) Mason's email needs to be addressed because it may determine how the rest of this process is run.
- 2) Need to discuss last objective to develop strategies to increase input from divers and fishers as time allows. Talked about it briefly before but decided it depends on how much time the CWGs take to review RMAs etc.
 - a) Introduce it as "this is a gap that CWGs have brought up and this is what we have planned to help".
- 3) Will hopefully have a new manager on board by September meeting. Introduce new manager but not have them be the person to welcome them back. Meghan thinks it should come from a voice that has been involved the whole time. Lauren pointed out that Meghan would just be introducing them and Meghan would be doing the mission and vision.
- 4) CWG members could share what they did over the break that was reef related as an introduction exercise.
- 5) Anne has interactive exercise that may be good. Have a line of tape and ask people move to either side depending on how they answer the question. Moving around will help engage them as well. Ice breaker instead of introductions? No name and affiliation?
- 6) There will be quick intros with name and affiliation and the quick interactive exercise.
- 7) Meghan will go over future plans for OFR with a short PowerPoint.
- 8) In October, first consider SEFCRI feedback on the two spatial RMAs and use the tool to refine them. Second,
- 9) Third, finish with the individual scoring of the RMAs
- 10) In south in particular, there is so much overlap in the boxes.
- 11) Meghan thinks we should have the group combine and edit before starting.
- 12) Lauren thinks that what could happen moving forward, that the giant polygons that overlap with smaller ones however the smaller ones could be where no-take is year round and the large one could be to protect spawning aggregations.
- 13) Need to ask what the main objective is for each box and what kind of management they envision to meet that objective.
- 14) Anne points out that they won't know what they want to combine or archive until they discuss the objective for each box.
- 15) There is an overarching objective that has sub objectives to achieve them.
- 16) Need to look at all objectives that were on the table in the beginning and decide which objectives each box would achieve and then decide which ones are most important. Go back to boxes, revisit full list of objectives. Maybe one of the ways that the boxes get prioritized is the box that addresses more objectives.
- 17) Need to have more conversation about what we want them to do with the spatial RMAs in November.
- 18) Wed Aug 26th from 3-4 meeting to talk about spatial RMAs

- 19) Will rank 2 spatial within the 80 non-spatial RMAs
- 20) Prepare for the community meetings in November and get them to sign up for at least two.
- 21) In October begin signing up for community meetings
- 22) 12 community meetings across the 4 counties in Jan and Feb
- 23) If needed we will have meetings in March and April. It will depend on how good they feel about the list and the comments they get at the community meetings.
- 24) They'll score everything and staff will come up with the combined scores that puts them into bins but in November they can move stuff around if they want and will ultimately vote on them.
- 25) When the score, they determine benefit which determines the bin. Then they determine the feasibility and cost which determines very poor, poor, good
- 26) Some may be a very high benefit but low feasibility and high cost so it would come out poor if they were binned by benefit first. That is why we decided to do it that way.
- 27) Additional talking points needed to be made to go into introducing the ballot to rank the RMAs for prioritization.
- 28) Anne or Heidi will remind them about the SEFCRI boundaries and that since this is a SEFCRI initiative those within the boundaries will be easier to implement.
- 29) There will be a slide with SEFCRI boundary, voting rules, and mission statement.
- 30) To talk about the prioritizing, Heidi explains the big picture first and then breaks it down
- 31) Won't be giving out documents until the end of the second day meeting.
- 32) Each RMA should stand alone to be binned on its own merits, not compared to the others.
- 33) Some comparison between RMAs will occur by accident but it was hoped that they would be ranked within their own merit. Anne says it was her understanding that we would be ranking them compared to each other not on their own.
- 34) Heidi says they can't possibly have all 80 RMAs in their head to compare them.
- 35) Anne's concern is that the matrix process is to compare 5 different things and we're trying to apply it to 80.

2.15. **Process Agenda Planning for September 2015 Joint CWG Meetings
Follow-up Minutes**

**Process Agenda Planning for September CWG Meetings Follow-up
August 24th, 2015**

- 1) RMA prioritization process
 - a) Each score the RMAs individually according to benefits and costs and feasibility
 - b) Then on back end staff will bin the RMAs based on benefit first. After these bins, they will be binned according to cost and feasibility within these benefit bins.
 - c) Be sure to explain to the CWGs why we are doing it in this way. Rationale behind the binning approach.
 - i) Benefit is most important under OFRs mission
 - ii) Cost and feasibility are also important because realities that need to further guidance when deciding what we want to pursue first.
 - d) James Byrne's benefits, cost, and feasibility matrix slide should be up when discussing prioritization. Helpful for them to see how the three criteria come together.
 - i) Dana thinks it may be good to walk through an example with them to show how prioritization is generated.
 - ii) In the past, Anne has put up one and do it as a group so they have a really good idea of how it works. Make up something crazy that everyone would agree on. Like, "make people stop wearing suntan oil when swimming near the reefs" Beneficial to the reefs but not feasible. Pick something simple and obvious. "Make everyone move 5 miles inland from the coast" Maybe should have 2, one super beneficial and feasible and one that is beneficial but absurd and not feasible.
 - iii) Get overall picture and see it applied
 - e) They then get the detailed picture.
 - i) Show them the prioritization ballots they have to fill out. (move up to broader explanation)
 - ii) During both September meetings will be reviewing approx. 15 RMAs in details so we will suggest to score those within the groups. Scoring is based on own knowledge and tier 1 and tier 2 documents. That will help reduce homework and other work during meetings.
 - iii) First Karen will go through the mooring buoy example on thinking about considerations and then show them how to go to the score matrix sheet and then Anne or Karen can go through matrix example. Probably Karen will go through example but if there looks like there may be something that is controversial then perhaps Anne will go through the matrix.
 - iv) After example, will talk about timeline. They will have until October to turn in their scores/ballots.
 - v) Will have 3 options for completing and turning in the ballot
 - (1) On day 2, if they do the ballot for homework they can turn in finished ballot, sit down with staff to enter the ballot answers and leave a little early.

- (2) Use the last couple hours during the October meeting to finish and turn in the ballot that day. They will sit down with staff and staff will enter their ballot submissions.
- (3) If you do not finish during the October meeting or unable to make it to the meeting, then can take home for homework and drop it off to one of the offices, snail mail or faxed to staff by October 31st. May not be good because almost rewarding people who do not come. Must make sure they know that it is easier to do it during the meeting and that time was built in for them to do so.
- (4) Would be good to have stations set-up for staff to enter ballots at end of meeting at 2:30pm. Stations primarily for those who come to October meeting with them already done. As other finish staff can keep entering.
- vi) Should ballots be by focus area? May be easier for them keep RMAs organized that way. On the back end, when collecting them, it allows them to turn in the packets by focus area that are done. Or would it be better to turn everything at once. May be hard to keep track if they are turning in a little at a time.
 - (1) Don't want them turning them in as parts. Should be all or nothing. If they choose not to do all of them we have a weighting system to account for those that have more submissions than others.
 - (2) Heidi wanted to know if we should mention that they can leave an RMA blank if they don't feel comfortable scoring them.
 - (a) Lauren is hesitant to say that because she thinks people will underestimate themselves. Should we tell people they are able to leave some blank if they ask?
 - (b) Dana worried about people doing only the ones they care about
 - (c) Ann thinks we need to be transparent with them so if they ask we should say if they really are not comfortable and don't want to weigh in, we will still keep your ballot if you leave some blank.
 - (d) Make sure they know to use the Tier 1 and 2 worksheets to help them make their decisions. Encourage them to try their best even though we can't force them to do so.
 - (e) If they all answer that would be better since normalization hasn't been decided on yet.
 - (f) Decided that everything should be turned in at the same time as far as staff management and organization. All at once and encourage them to do all of them.
- vii) If anyone needs to officially abstain we will document that in the final report.
- viii) Dana says she would ask them to please let staff know individually that they are abstaining. So we are not constantly pestering them with reminder emails to finish their ballots.
- ix) If they choose to be anonymous then you would just number the ballots so as they come in they would have to check out the number.
- x) Cannot make some anonymous and not others. It's all or nothing.
- xi) All we will see in November is the combined ballot totals so no one will see who voted for what. Only staff will know.

- xii) Ann was thinking we would not keep track of whose ballot was whose and if there is an issue we can say we have a question about ballot number 24 and we will have to leave it up to them to respond. If there are people who don't trust staff then they're not going to want us to know who they are. In North, there are probably not any people like that.
- xiii) Only issue becomes sunshine law so technically their ballots if we have names can be requested. So they need a number system and they all need to be anonymous.
- xiv) Can pre-number the ballots for anonymity.
- xv) Will give Handout with considerations to look at when editing and prioritization.
- xvi) North group decided to add one consideration under benefits (added risk) that the south did not add so we need to see if South is ok with the addition as well since they are merging together. Should be quick to poll.
- xvii) May want to flag major edits to RMA for report out but any minor edits do not need to be included in report outs.

2.16. **Spatial RMAs Planning Meeting Minutes**

Spatial RMAs Planning Meeting

August 28th, 2015

- 1) Option 1: Able to go through each box and get the group to make a decision on what the management approach is for that box.
 - a) During team and TAC we went through each box and went through a list of what we were asking input on. Info on what is in the box, further data available, how people are using the resources in that box, input on threats to resources in that box, and then ask people to start suggesting the management approach to address those threats to the resources in that box based on what we know.
 - b) What we did get was a lot of information on additional things that we need to think about in the box. (I.e. coastal construction slated for this area because it has already permitted). Some boxes we got specific management goals for them. Much fewer but we did get some. Overarching idea that we got in the room was that we shouldn't worry so much about the diving community acting poorly to closures because they want to see reefs protected.
 - c) Most important thing we need out of this from the CWGs is to add to what we have as much as possible.
 - d) These areas that have been identified to achieve objectives of N146, are we able to say this is the recommended management approach for that box or the other option is that we are not able to get that far and that we do not have a recommendation on a management approach to be taken in the box.
 - e) Will still have to go through box by box and discuss as a group what we want to say.

- f) Brian thinks it is good to have the boxes and explain why the boxes are there and why they were drawn but he doesn't think they necessarily need to be the ones deciding what actions need to be taken to address the threats in the box.
- g) No matter what Dana says it is just a recommendation not a decision but just an RMA as a part of the spatial plan.
- h) Lauren says that some of the boxes will have specific management goals and some will not. They want to find out more info from the community before making recommendations.
- i) Brian is worried that if you deliver these RMAs to public with specific management there may be a lot of people that are upset over it.
- j) Lauren can see the CWG members (focused on the spatial RMAs) looking at the boxes in October and deciding which objectives are most important to them for that box. Then allow them to change or merge boxes or propose better idea of what management they think may be good in that box. Getting them to think about what objectives are being met and which boxes address the objectives best. Then they would report out what they came up with in small groups.
- k) Everyone in agreement that we will go box by box and asking the CWG members to take a step back and ask what objectives does this box address and then identify what is really the more important ones that the box is really trying to address. Is there anything that needs to be done to boxes to adjust it and then if they are able, finally put forward that management action that they want? May be broad and not too specific, just depends on box. Then going into the Community meeting hopefully have areas that are more refined with potential management actions that may be good for that box.
- l) On process, the way we handle development of the spatial plans by breaking into smaller groups was productive. Not helpful to go through all boxes with big group. Definitely split up, at least two groups, more if possible and maybe have half start north to south and the other start south to North so we at least have everything covered.
- m) Dana thinks we're going to have a lot of upset CWG members if we don't give them the opportunity to suggest no-take areas. Some are going to want to propose specific management actions including no-take reserves.
- n) Karen thinks that we will need a cheat sheet "tool box" for them to show what management options are out there (list of ideas to help start brainstorm). Secondly, be clear about why they chose the boxes and give details, it should be up to managers to decide on management however if they get through the boxes they can propose management but if they don't get through the boxes then they can leave it open to managers to make decision later.
- o) Tool kit is important element so a list of options should be put together so we can look at them when looking at threats to each box. But at end of the day, Dana wants to know whether we want to just list options are we having them vote on management recommendations and objectives.
- p) Meghan thinks we should steer them towards making decisions.
- q) When ranking all RMAs, N146 will be difficult to be able to rank with so many objectives and details that fall under it.

- r) Dana thinks that with a lot of RMAs they will be thinking about what the potential of what it could be because there is still a lot that will need to go into planning it.
- s) The ones they aren't able to put forth actual management then they wouldn't have to vote on those. Ones that they are able to put forth actual management then we would have them vote.
- t) What if we don't have majority vote, then we have no output. If they can't agree then it should go to experts to decide.
- u) Dana says maybe we could have a checklist for each box. TNC reef resilience website with list of different possible management strategies to put together our tool box. Checklist for each box and ask them to check top 3 management approaches that should be applied to each box and use that to tally and then for each box we would have a 1,2, and 3 recommended management action for each box.
- v) May be a second step if the main objective can't be decided on. So if they are getting stuck and are going back and forth on management approach we can go to the check list
- w) Dana says using the checkbox for all boxes is best because they we know we are getting input from everyone. More time efficient and less conflict. Go through the checkbox and then discuss as a large group what comes out of that.
- x) Dana sees it working like this: First break out into two groups, go box by box doing everything except making management recommendation (just providing info) then probably day two have people individually go through each box and talk about all info for each box, give them a couple minutes to select from the checkbox.
- y) Lauren sees the small groups doing the checkbox exercise in their smaller groups and then report out everything.
- z) Heidi says day 2 each group would report out on each box and then each person would score or check which management actions from the tool box they want to choose (up to three) for each box.
- aa) In their small groups they will have already gone over what objectives they think the box would achieve as well as any changes they made to the box. This is on day 1.
- bb) Limitations to the product: Will need to be careful about how it is presented. Presenting the numbers but not saying a majority supports... might be the way to go. It's an ok process. Inevitable that there will be another process before any no-take action will be taken but what Heidi is hearing is that the group will be disappointed if the groups aren't able to propose no-take areas. It means that the community meetings may be more contentious if they get as far as saying 20 people suggested an area for a no-take reserve but we'll have to deal with that later if this is what we want to get out of the process. Be careful about not making the outcome sound more consensus based.
- cc) Dana does agree that just to say that these areas are important will be less contentious but this is not what the process was supposed to be about. Decision lies in what we should do about it. The purpose of these groups was to make decisions on what should be done about problems. We already know as managers what is happening on the reefs and the threats and issues but we need the CWGs to make recommendations.

- dd) Karen thinks there might need to be a big picture to look at so that they understand the amount of areas they have suggested and if they are realistic.
- ee) October day one spend entire day going through box by box in breakout groups
- ff) Maybe at end of day one we can have report out and ranking
- gg) On Day two, report out on the poll that we are taking for each box and then look across each management tool on how it is being recommended to be applied. Then have group discussion on no-take zones, spawning zones, do nothing, etc. (Do nothing needs to be one of the boxes they are able to check).
- hh) We will need to do mooring buoys as well so important to remember even though they won't take long. Dana says she thinks we should do mooring balls (S2) second.
- ii) Not trying to score based on other boxes so if we don't through all of them then we could maybe carve out an hour in day two to finish and break up the monotony.
- jj) 28 boxes total.
- kk) Continue this conversation on Monday with Ann and Dana will take the lead on creating the first draft of the tool box for meeting.

2.17. Process Agenda Planning for September CWG Meetings Follow-up II Meeting Minutes

**Process Agenda Planning for September CWG Meetings Follow-up II
August 31st, 2015**

- 1) Amanda and Kelly are back-ups for Anna. Get there at 8 am to set-up
- 2) 20 minutes to share current events.
- 3) Ann will do ice breaker
- 4) When Meghan introduces manager she should also introduce Ann and Heidi
- 5) Meghan explains future plans of the process and explain what is going to happen in October.
- 6) If questions arise, we may need to explain that we will have a checklist of options for management including a no action option.
- 7) Spatial RMA break-out groups
 - a) Complete as much info for each shape as possible first and then go over the objective for each shape and management action checklist.
 - b) Break into 2 groups and go box by box (up to 25 people each if all CWG members show up)
 - c) Only 2 groups for note taking purposes and also, member turnout will probably not be that high. And staff capacity limits the number of groups.
 - d) Issues with notes last meeting and trying to match up notes with proper shapes. Trying to compile all of them and make sense out of them when there was no process or protocol to follow.
 - e) Brian, Amanda, Lauren, can all drive the tool so we can have three groups instead of 2.
 - f) We'll stick with 2 break-outs for now.
 - g) Will not decide on recommended management approach in breakout groups but together in the large group when they are reporting out

- h) In the small groups, they re-cap, look at feedback from SEFCRI TAC and Team, look at objectives, extra data provided by feedback, could refine or combine polygons. They may change shape a little. They will report out on all of this to the large group
- i) North came up with 18 boxes and South came up with 10 boxes (4 groupings).
- j) If working through about 6 groupings it should take them at least 15 min per grouping potentially so we would need 2.5 hours for north group and 2 for south.
- k) 5 min per grouping report out so about 1 hour and 40 min for group discussion
- l) We could tell them they have 2.5 hours to work through the boxes and have them step through them and see how far they get and we can keep doing check-ins to see how far they have gotten.
- m) Other option is to give them 15 min per grouping and make them move on when the time is up.
- n) Ann thinks some will take more than 15 minutes to hash out objectives etc. and some will take much less.
- o) Ann thinks the North group works a little quicker than the South group.
- p) It was decided that the Mooring Ball RMA S2 would go 2nd this time. It's not as controversial and they won't be deliberating on the objectives as much as N146. This will be at the end of the 2nd day.

2.18. Spatial Tool Drivers Meeting Minutes

Spatial Tool Drivers Meeting

October 19th, 2015

- 1) Kelly will explain the SEFCRI team and TAC feedback sheet.
 - a) Their version will not be highlighted. Just for Anne and Heidi talking points
 - b) 1, 2, and 3 are grouped together etc.
 - c) 15, 16, 17 don't have many comments because they agreed on the areas for the most part
 - d) Highlights need to be reviewed so that facilitators know how to discuss with the group.
 - e) What should be done with the comments if they aren't being used to change the map for mooring buoys?
 - f) Encourage them to discuss whether they want to make actual changes to the map.
 - g) Two components: Tier one and tier 2 and then the spatial component
 - i) Tier 1 and tier 2 would be more the "next step"
 - h) Focus will really be on spatial pieces rather than tier 1&2
 - i) Brian is South group, Amanda is North Group
 - j) A lot more overlap in the South than in the North and south has smaller shoreline so it will probably go quicker.
- 2) Anne and Heidi will lead the momentum of the process this time so they will be at front of room leading the walk through
- 3) Daron and Kelly will take notes and Meghan and Lauren will assist with Questions and Content.

- 4) Really make sure no one is jumping the gun taking things up and putting things down during the discussion. Last spring people were not always on the same page so what ended up happening on the back end it was really difficult to capture what happened in the spring.
 - 5) If something is added to flip chart must clearly mark where the new info is added with tool driver name, facilitator name etc. and number ideas and notes. Keep it consistent.
 - 6) Meghan and Daron will be pre-making flip charts with objectives already on them.
 - 7) At the end of each shape the tool drivers can give the features and values used. After deciding on the final design, it should say which layers were used.
 - 8) Lauren and Meghan will man the flip charts.
 - 9) Will probably have a set of flip charts with just objectives and then a new flip chart for additional detail.
 - 10) Amanda will drive tool, Daron will take notes for Anne. Lauren is extra facilitator. North to South
 - 11) Brian will drive tool, Kelly will take notes for Heidi. Meghan is extra facilitator. South to North
- 2.18.1. Anne and Heidi will try to synthesize what they went over in the summer and the TAC and TEAM feedback to refresh them on the info.

2.19. **Process Agenda Planning for October CWG Meetings Meeting Minutes**

Process Agenda Planning for October CWG Meetings
October 15th, 2015

- 1) Aggregating scores for prioritization will be tabled for the discussion next Friday.
- 2) What do we call the polygons?
 - a) Recommended areas will be used
 - b) A little confusing at first but as long as it is all consistent it is fine.
- 3) Recommended to move management tools checklist (6) to section after they are reviewing and finalizing the RMAs (7)
 - a) Section 7 is when they are walked through the special areas, giving them instructions as separate groups.
 - b) Lauren thinks that after they receive the directions that they should be led into the management tools and which ones will be used in the breakout groups.
 - c) The whole conversation just moves to Meghan to explain the tool sheet so number 7 will become number 6 and 6 will be number 7.
- 4) North group will head from north headed south and vice versa
 - a) Heidi and Ann will check in regularly to make sure everyone is on track
 - b) They will then review the objectives for each polygon
 - c) Decided to use index cards rather than dot method so each person will get index card as soon as list of objectives are finished
 - d) They will write the numbers of the three objectives they like best for that area. One DEP employee will be at flip chart and put hash marks next to numbers at flip charts to get a tally of votes.
- 5) Day 2
 - a) Back to small groups after intro stuff
 - b) Little less than 1.5 hours to finish working through the areas
 - c) Both groups report out
 - d) Get two hours to do ballot completion
 - e) Include specific options at first in terms of making decision and then say leave it up to the agency or I don't know as a last option. Dana doesn't think it should be moved and buried amongst the rest of the choices. If anything she thinks it should be moved to number one.

2.20. **Process Agenda Planning for November Meeting I Minutes**

Process Agenda Planning for November Meeting I

November 4th, 2015

- 1) Is 1.5 hours enough time to focus on RMA146?
 - a) Yes because working more on how to get the info out rather than use the tool
 - b) May want some modifications and may have some concerns about what they have done.
 - c) For example: 20 % no-take objective may be controversial among some in the group. May see once the shapes are up and this objective is applied, it may cover too much of the reef and they may want to make adjustments.
 - d) Think about how to share the information to the group to get them thinking how to present the areas to the public.
- 2) How much sign-up do we want to get done at this meeting?
 - a) 1 hour 15min should be enough time to discuss.
 - b) Posters to sign-up, handouts...?
 - c) Meeting plans need to be established before detailed sign-ups can happen.
 - d) Sign-up sheets for all 12 meetings?
 - e) Have meeting sign-up sheet on front table and make announcement
 - f) Sign-up time can be shorter
- 3) Steps for next 6 months
 - a) 20 min at end of meeting
 - b) Also put there as buffer if more time is needed elsewhere.
 - c) Meghan can put together short presentation on the next steps. Making time-line and highlighting where we want them to do outreach or show up.
- 4) Have CWG member be a host at each of the public meetings
 - a) Maybe it should be part of sign-up sheet then
 - b) Have check box on sign-up sheet that says, "Would you be willing to host?"
- 5) Need to have CWG members vet the names for each shape in N146
- 6) For non-spatial RMAs 60 total. Received 28 ballots back
 - a) 6 were listed as very good.
 - b) None were placed in low benefit category so none came put as poor only fair, good and very good.
 - c) 44 listed as high benefit
 - d) They did the criteria ranking on the spatial RMAs as well.
 - e) Are they going to be allowed to do any rearranging?
- 7) For Spatial ballots 2 RMAs total.
 - a) Only tools that floated to the top were 1,8,9 and 10
 - b) Brian thought we were separating the shapes by objectives to share back to the group in the big picture.
 - c) So are we sharing the objectives or the management tools or both?
 - d) If they are looking at areas in holistic way, is it holistic by management tool or objective?
 - e) Lauren envisioned that objectives would be presented to the CWG meetings and some of tools that would be used to achieve the objective.

- f) Present areas holistically by objective and then present the top management tools selected to achieve that.
- g) Each map would show all areas associated with each objective.
- h) The three main objectives were presented to them with each area to consider when deciding on the tools that would be best to achieve each objective.
- 8) Want to have report done by May and meetings by April
- 9) Do we want the group to talk about how to present the areas to the public or are we just showing them the maps to help them understand?
- 10) Daron will create spreadsheet of top objectives for each area
- 11) Network of the top objectives compared to network of management tools
- 12) Two pagers with tier 1&2 documents will be in the final report and one pagers are for community meetings.
- 13) Comment Card
 - a) If you're going to talk about economy it needs to be brought up in the beginning of meeting. What is the importance of this economy question? How do we plan on using this information? CWG will be using these so they need to approve the card.
 - b) Can we include their approval of the comment card in the earlier time slot at the meeting?
 - c) Should we give them a draft to edit or should we ask them if they have thoughts about what should be on a feedback card.
 - d) Make the economy question broader to include all activity. Maybe "lifestyle"
 - e) Fewer the questions the better
 - f) Bring draft to the group to help them get an idea of what they will get back

2.21. **Process Agenda Planning for November 2015 Meeting II Minutes**

Process Agenda Planning for November Meeting II
November 12th, 2015

- 1. Share recent or upcoming events
- 2. Review and agree upon area to be addressed in final report
- 3. Review collated results of the criteria ranking of all Recommended Management Actions (RMAs)
- 4. Talked a lot about the ranking of the RMAs. They had trouble deciding what the scale will be. Discussed presenting the RMAs by objective in GIS to the group. They are creating a handout by RMA with corresponding objectives and every tools. They are planning to present all tools that were listed for each area.
- 5. Share results of the selection of MPA tools/approaches for Recommended Areas (RAs) in RMA N-146, consider the suite of RMAs and associated tools/approaches for the entire region, and discuss how to present this information during the Community Meetings
- 6. Review names of the RMAs in RMA N-146, and mooring buoy areas in RMA S-2, to ensure they best describe the locations
- 7. We will present the OFR area for the final report during their discussion.

8. Add names to the GIS shapefiles so we can show them in section 6 of the agenda
9. Would the S2 RMAs need to be presented?
10. Need to give Heidi the 9 objectives and the order of presentation.
11. Need an example for the presentation of the RMA for the community meetings. One area per map with all objectives and tools for that area.
12. Prepare for the OFR Community Meetings
 - a.) Review and discuss proposed process and roles, information to be shared, and feedback to be gathered
 - b.) Discuss different ways that Community Working Group (CWG) members' can help lead and/or support the meetings
 - c.) Identify members who can participate in each of the meetings
 - d.) Receive public comment
 - e.) Preview and share the dates for the March and April CWG meetings
13. Posters
 - a.) Draft RMA-146 RMA names and draft S-2 area names
14. Draft area for final report (Brian)
15. Preliminary plans for Community Meetings, including draft feedback form (Meghan and Ana)
16. Collated results of criteria ranking for all RMAs (Karen)
17. Overview of full suite of N-146 RMAs and associated objectives and results of selecting tools/approaches (Brian and Amanda)
18. Share outreach cards with community meeting dates and locations if not done at meeting
19. Ask folks who did not make November meeting to consider signing up for a community meeting
20. Finalize and make available the draft 2-pagers
21. Finalize and share the feedback form

2.22. November 2015 Joint CWG Debrief Minutes

November Joint CWG Debrief *November 19th, 2015*

- 1) Overall not great feedback of meeting from CWG members
- 2) Should have had a better idea of what was going to go on at the Community Meeting (CM) before we talked about it with the group
- 3) Cannot have a meeting like that for the public meetings
- 4) Have meeting before public meetings at Fern Forest to do a run-through. Only those from CWG who will be hosting or helping at the public meeting will attend this meeting.
- 5) Ana is sending a hold for a dry run on Jan 14th or 19th for CWG member dry run.
- 6) Doodle poll specifically for those who signed up to help at the meetings.
- 7) Should we do a call out for those who didn't make it to yesterday's meeting to sign up still?

- 8) Need to keep same set of rules for everyone. If we decide some alternates cannot lead the meetings than none of the alternates should lead the meetings.
- 9) Jan 7th 4 hour meeting with facilitators to plan for public meeting. Dry run with just staff. Dana will see if Auditorium is available unless Ann or Heidi are only able to call in.
- 10) Need to make a to-do list for Community Meetings and Dry run meetings
- 11) Need to have documents similar to the GBR process to address misinformation and concerns
- 12) At beginning of meeting, Dan made it sound like he was going to do some negative publicity and “shed the light” on what is really going on. Jane said she would talk to him about it but Heidi never heard from her. Meghan said she would try to call Jane to see if she knows anything about the situation.
- 13) What do we think about Dan’s suggestion about publicizing the reef resilience data to give the public a sense of urgency? The problem is the quick look report is not comprehensive at all. They are working on a press-release now for the information. Shooting for this week for release date.
- 14) Possible highlight all of the articles that have highlighted the reef decline in the past few months.
- 15) If fishers won’t come to meetings maybe have pics of them with quotes up at the meeting.
- 16) We will have results from the large coral project soon and we have a lot of pics and videos from that as well
- 17) Ann loves introduction videos! Because it is always consistent and you don’t risk missing information.
- 18) Dana thinks video is impersonal but if it is done she suggests that multiple people speak.
- 19) It needs to be high quality, exciting and engaging otherwise people will be lost
- 20) Anna says realistically that if we can contract someone to do it, we don’t have the capacity to create video
- 21) Doesn’t seem like the video is feasible so we should look back at the PSAs that have already been made.
- 22) Maybe play the PSAs on loop (30sec each) with OFR screen in between just while people are coming in, maybe on break, etc. A lot less effort and still be effective.
- 23) CWG members were very engaged about the public meeting yesterday and giving input
- 24) One suggestion was to change the language of the title of the postcards advertising the meeting. Maybe just take some of the suggestions given instead. E.g. “Join the management discussion. Save Our Florida Reefs.” “Join our conversation about how to save our Florida reefs.” “The community is talking about how to save our Florida reefs. Come join the conversation!”
- 25) Email out PDF of postcard to everyone to get the word out. Will change the title first.
- 26) Maybe email the group the PDF and also ask them if they want hard copies.
- 27) Maybe make it into a flyer as well? Not necessary, postcards work fine and it’s not in the budget.
- 28) Someone will work on PowerPoint that they can use for interest meetings.
- 29) Have law enforcement at community meetings.

- 30) Don will look into having someone there at all meetings. There will already be officers at some meetings. Should they be unmarked or in uniform? Uniform seems like we are worried about something happening.
- 31) Having FWC officers is more relevant than police.
- 32) Open public comment period and/or Q&A period. 4 people spoke up in support of the soap box but most people were quiet about it. 2 spoke up against it. Kathy was clear about if you're going to do it, you have to do it at the end. But that would cut off the conversation at the kiosk to get everyone together for comment again at the end.
- 33) Heidi does not think that there is any obligation to have an open comment period. It is much harder to document what the people are saying either. If they write it down, we have exactly the words they used and there is no risk of misinterpretation.
- 34) Vetoed Q&A and soapbox as a large group. They can do it in the smaller groups at the kiosks.
- 35) In March and April there might be an attempt for CWG members to add something new so what is the response? We can't publically vet it. So it is the response to the person? Where should we send them?
- 36) Maybe they could add a section in the report but not create a new RMA
- 37) Greg B came up to Ann during the break and said he agreed with Dana that we had to move on but the shapes needed to be adjusted so that they were not in the channel. Brian addressed it.
- 38) We need to talk about what it is that we want the host to do exactly. We should send out a bulleted list of what the responsibilities of the host are. If that is made clearer we will probably get more people to sign up as a host.
- 39) Comment cards. Make them simple. Asking them priority without understanding the criteria is too much. They wouldn't really be qualified to prioritize and it wouldn't really have value from DEP. Without education or knowledge it doesn't have value. Why are you letting public prioritize, why did you ask the CWGs?
- 40) Option to add RMA at the end so that they will comment on the existing RMAs rather than create a new one.
- 41) How to share N146. Lauren gave an overview on how that might be done.
- 42) Place based station will cover S2 and N146
- 43) When we present some of the areas at that point we could talk about the management tools that were potentially recommended but the CWG didn't get to have the conversation about the results of the tool poll.
- 44) At first it seemed like there was a general feel that we didn't need to go into talking about the management tools but then it seemed like some people were afraid of watering down the message.
- 45) Ultimately we will present out the objectives and go through each of the areas and special features that are there and have discussion with public to see what they think of the area and the objectives for that area. Need to know what info they want to come back to them in the spring. At the end of the day, whatever this group rolls out in the final document is not an implementable action plan. SO it might be premature to ask public their thoughts
- 46) Heidi agrees we are not prepared to share the management tool information. But if it is not discussed at community meetings is it still in final report? Yes but need to be clear it wasn't vetted in the public meetings

- 47) We didn't really get a solid idea of the tools they think should be used because of the way the voting worked.
- 48) There was not a lot of consensus in places for the tool ballot.
- 49) Showing all 13 tools that they chose, most of them had 10 tools if we are taking every tool that was chosen.
- 50) Decided that we will not do anything with this info for the community meetings
- 51) Need to think about how we can simplify explaining the process of how the zoning framework was made and the areas were chosen based on the objective.
- 52) What kind of feedback do we want at these kiosks? Asking the public, what else is going on in this area? Is what the CWG identified happening in areas, accurate? Also ask, what their feelings are regarding option A and B in those cases where multiple options were identified.
- 53) Want people to tell us, through this design, have we achieved the objective or will we achieve the objectives and if not which ones and how would you address them.
- 54) The areas will be presented by county, but all the info will be there so we wouldn't limit their ability to respond.
- 55) Rotating around kiosks is optional? 2 hours for kiosk time. Have more specific start times that a staff member would give an intro.
- 56) Can poll the PPT on this material as well. Get feedback on most important feedback we need at these meetings. We haven't really had that much time to think about how the kiosks will work.
- 57) Will Beth be able to weigh in on the feedback they ask for on boxes in the Keys process?
- 58) Also need to think about how you will use your time in March and April.
- 59) If this is really just a kickoff to start a process when another group is going to take it and do their thing anyway. SEFCRI would pick it up. Trying to get as much as possible from this group to react to. There are 68 other RMAs that are good so we are maybe spending too much time on the spatial RMA N146.
- 60) Did not want it too broad because it will not be enough to even kick start the process. Effort put into it so far has been good but in future we will have to weigh how much more time we should spend on it. It's one RMA now but it was originally 16 that was combined into one. We can now say "look at all the actions that related to this idea"
- 61) SEFCRI will be the link between each of these actions and implementation. Getting them to the right agencies etc. SEFCRI will have to champion and push an implementing agency to lead a process? We haven't really talked about how it would work.
- 62) Given that trajectory, what input do we want from public on N146?
 - a) Reactions to areas identified
 - b) Objectives being sought to achieve
 - c) Would designs achieve the objectives
- 63) What about simplifying it to say" here are the 16 objectives from the group, here are the top 7, given all those objectives, here are the set of special areas in your county identified by the data. What are your reactions to these areas and objectives for these areas?
- 64) Could have a map and have the public show areas on the map to show these are important to them. That's what they did in the keys. Members of the public had their

own map to give input or Post-It notes to add to a map. Will be part of PPT discussion today.

- 65) People could take photos of maps with boxes and there is no context.
- 66) A paper map could at least have an explanation of the map.
- 67) Map with polygons would be shown electronically but paper maps would be blank.
- 68) If they do draw, have them link it to an objective.
- 69) What will we do with the information if they are allowed to draw their own areas?

2.23. Process Planning Call for 2016 OFR Community Meetings Minutes

Process Planning Call for 2016 OFR Community Meetings December 7th, 2015

- 1) Spatial RMA booth using the spatial tool
 - a) 30 min for each round of the spatial tool
 - b) Potentially only having this session being N146 rather than S2
 - c) S2 would be moved to fishing and diving. Everyone agrees to have it moved. Posters will be made for these areas as well.
 - d) 7 min presentation with 3 min general question and answer
 - e) 20 min left for them to give their feedback
 - f) Need to manage the type and amount of feedback we are looking for.
 - g) After the presentation possibly have some large format posters for the areas of interest so the public can see a short story that goes along with each area (how that area came to be e.g. objectives, how some areas are specifically identified based on land-marks)
 - h) Facilitators will need to be well-versed in the areas to explain
 - i) Focus of feedback on each poster will be people giving feedback on that area that had already been identified rather than have them draw new areas.
 - j) Will have some laptops if people are adamant about drawing something new.
 - k) The story will go either on the poster with a map or on a handout.
 - l) One recommended area per poster so that they can focus on what each areas is about.
 - m) Shapes that are an option A and B will go together on a poster.
 - n) Having separate posters helps to spread people out more.
 - o) Would have ability to fill out the comment card for each RMA but we need think about comments for each area.
 - i) Need to tweak the comment card to tailor it to different areas rather than the whole RMA itself.
 - ii) Could have different sticky dot colors for different activities so people can show the areas the use. But what will this be used for and what will it mean? Happy vs sad faces to put on shapes?
 - iii) Ana wavering on the happy versus sad faces. She also suggested not creating a separate comment card for the shapes but instead just instructing them on what to fill out in the card under the other comments section.

- iv) In the top where you write the RMA number have them enter the shape number instead for N146.
 - p) Be cautious about putting the maps up online in the information section of the OFR website.
 - q) Heidi like the post it ideas to show that people are being allowed to weigh in and provide input. Need to have the word “draft” across the maps.
 - r) Need to nail down the term being used for these areas for the talking points and for this whole process
 - s) In general, areas of interest are being used. The end product will be a series of recommended areas. Right now what is being presented are areas of interest which are in consideration to become the recommended areas in the end.
 - t) Thinks that in the north the poster maps will be both counties in the north and the south meetings will have both counties in the south (Broward and Miami).
 - u) On the map, have a map of the entire SEFCRI region and then the areas on the poster as a dot to show where it is located on a broader scale.
 - v) Maybe we should color code the post-its with the color of the area.
 - w) Should have a CWG member at each group.
 - x) What are we calling this kiosk? Areas of interest may be too vague.
- 2) Outreach Presentations at Clubs
- a) Meghan said a lot of people had questions and many supported the efforts
 - b) Thinks that we shouldn't jump on these presenting opportunities until an approved presentation that is consistent.
 - c) Presentations at these clubs should be the same as the presentation that will be given at the public meeting
 - d) Used as just another piece of feedback so we should be giving the same presentation.
 - e) Lauren said that the presentations were very similar to what will be given at the public meetings. Just included what was basic and relevant. Similar to final product but it was not reviewed by entire group.
 - f) Outreach events are a great opportunity to get new questions that we weren't expecting yet.
 - g) Any feedback on the graphics in general to make them easier to understand.
 - h) When fishermen did speak up on behalf of special places it would be could to phrase it like they said it.
 - i) Need to think carefully about talking points for both recreational and commercial fishing. Many fisheries management processes and MPA processes have led to combat between recreational and commercial fishing communities.
 - j) Establish a timeline and responsibilities of who will be looking at and reviewing the presentation.
- 3) Communications
- a) Budget much larger than what they thought
 - b) Adding almost \$35,000 to budget so that the number of OFR PSAs on t.v. can increase
 - c) Ana drafted scripts for new radio PSAs that are a call to attend the meetings to broadcast on the air.
 - d) Keep ramping up the game on print and online/electronic advertising.

- e) Money came from those funds saved from unused fringe benefits from new employees (\$9000).
- 4) Draft Process Agenda Version 2
 - a) Facilitators will cover agenda and objectives briefly in the beginning.
 - b) We will be pointing to all people in blue shirts but there is no context of who these people are and how they are associated with OFR.
 - c) Need context for why these people are being called out.
 - d) Slides and audio was suggested to post online for those who are unable to attend the meetings.
 - e) Opening presentation will start with facilitator and then go to the CWG host. People will then be directed to the kiosks.
 - f) CWG member to give presentation on the background of ORF. Is this something that can be achieved?
 - i) Heidi thinks if it works smoothly it would be great but we'd have to make sure everyone knows when they are supposed to come in and out and what they should say. It may be a lot to ask to have them memorize talking points.
 - g) Half pagers do not need to say draft but the report summaries (two pagers) may need to have draft on them because we are waiting for public input on the details.
 - h) What do people think about giving public handouts they can keep?
 - i) Should the presentation of N146 that is put online have draft on it
 - j) Intro presentation could be online but N146 may produce too much misinformation. Should think about it more before putting it online.
 - k) Are there some good questions to ask PPT to help develop plans for the next community meetings?
 - l) Ana and Karen will send out the print and speaking notes and try to incorporate everything from today to put in the process agenda document and send it out to be reviewed.

2.24. Return of the PPT Meeting Minutes

Return of the PPT Meeting *January 11th, 2016*

- 1) Two sessions for kiosk N146
 - a) Want the public to understand where the CWG were coming from when they made this recommendation.
 - b) Lauren will present for this kiosk.
 - c) What does public think about the overall idea in N146?
 - d) Public will use maps to suggest other areas or make comments on existing areas.
 - e) Will have 23 min to interact with areas of interest.
 - f) Who will be at this kiosk to take the comments? Not decided yet. Depends on who is available for the meetings. Will automatically be Lauren, Brian and Amanda. Discussed having at least one staff member for every two posters to provide feedback to anyone asking questions.

- g) Lauren has a slide that explains the region of interest first and then goes into the separate areas within the region of interest that are the areas the CWGs recommended.
 - h) Don't want to release drafts yet because they are part of a deliverable that is not due yet but technically the state has to release any info they have if the information is requested. Supposed to get it to them within a reasonable amount of time but still waiting on the drafts to be finished and waiting on lawyers.
 - i) For those asking, it will be about a week until they are released.
 - j) Erin wants to know if there is a possibility of someone who is not DEP to give the talk that Lauren plans on giving. Erin is worried that it will not be well received from FDEP.
 - i) Maybe one of the stakeholders who helped develop this recommendation?
 - ii) This will be difficult logistically to have a CWG member present at every meeting and we don't even have enough CWG members signed up for all of the meetings as is.
- 2) Staffing assignments
- a) Ana is largely by herself at the education and outreach kiosk in the Southern meetings
 - b) In the southern meetings we might be hurting on staff.
 - c) Jim Bohnsack and Erin will both be at every meeting
 - d) Three meeting in which the Palm Beach maps will be more difficult because there are more maps for those meetings.
 - e) There are gaps for CWG member hosts for the Broward and Miami meetings
- 3) Comments on RMAs/ Social Media Blitz
- a) Many people have already submitted comments on RMAs (200 just for the spearfishing RMA)
 - b) Need to make sure that DEP is being consistent across all meetings.
 - c) Make sure everyone is consistent on is refereeing to these meetings as "community meetings" rather than "public meetings" because public meetings suggests that a law is being made or changed.
 - d) There will be a big poster list for all of the RMAs so the public can put sticky dots on the RMAs they support.
- 4) Next PPT meeting should be 1-3pm on Feb 22nd?
- a) Might be good to get together falling the first meeting to adapt to events that happen at the first meeting. If PPT is willing and able to get on the phone at that time.
 - b) There will already be a debrief meeting the day after the meeting so maybe that should suffice and other PPT members can be added to invite.
 - c) Monday Feb 1st 10-12pm.

2.25. **Community Meetings Dress Rehearsal Minutes**

Community Meetings Dress Rehearsal
January 19th, 2016

- 1) Maybe less emphasis should be put on Marine Reserves in the spatial RMA N146 presentation
- 2) All areas of interest should be available, not just those found in the county that each meeting is in
 - a) Maybe there should be a map that shows all of the areas so if people are interested, they can at least see it and inquire so we can take out the respective map.
- 3) James thinks that the RMA N146 presentation needs to be changed quite a bit.
 - a) He thinks the focus should be more on how the CWG came up with the areas
 - b) Dana agrees there should be more emphasis on the process and how and why the groups developed the RMA
 - c) Take marine reserves out
 - d) Need to focus on the why without getting in the weeds of the step-by-step process.

2.26. **January Community Meetings Debrief Minutes**

January Community Meetings Debrief
February 1st, 2016

- 1) Overall Meeting Outcomes
 - a) As evolved through the week and allowed people to wander around to the kiosks, the conversations that took place were more comfortable throughout the week.
 - b) The presentations improved throughout the week.
 - c) A gentleman started to ask what the area for each box was but then said, well you probably don't have that yet since they are just areas of interest and not set boxes.
 - d) Dana felt like those from the fishing community didn't engage in discussion as much and sometimes just came for the first 15 min for a head count and were not engaged as much.
 - e) Dana feels that the meetings were overall very successful except for maybe the lower number of people that showed up to the meeting.
 - f) About 30-40 people showed up per meeting.
 - g) Evening meetings had more turnout overall.
 - h) The press had accurate information and did not take a negative spin on the process.
 - i) There were about six articles in papers or interest boards.
 - j) Heidi says that the one thing that many people brought up was the economics and how the MPAs could decimate the economy. Heidi thinks that she has seen papers that indicate otherwise so we may want to look into finding a good source to share with those who fear this.
 - k) Meghan feels that it seemed that when people were upset and were told that these were not final recommendations and that they still need to be taken up by the

- respective agency to implement, people started to discredit the process and not take it seriously.
- l) Dana often times got the statement, I could live with that when they started considering the recommendations. There was a little of both attitudes. Once people realized that there were not 28 no-take reserves that alleviated a lot of concern.
 - m) May want to know who the people when the register for the meeting. May be helpful so that conversation could be targeted.
 - n) Sign-in wasn't designed with specific affiliation in mind but just general user group.
 - o) Need to figure out how to reach the fisherman who are now getting engaged.
 - p) Online comments will be posted March 2nd and the written comments will be posted as soon as they can be transcribed.
- 2) Changes to the meeting process
- a) Attendees started arriving up to 30 min prior to the start so we should have everything set up and the kiosks manned 30min earlier.
 - b) Started the presentation about 15min after the start of the meeting
 - c) Removed the host talking after Heidi to tell the community to break up and explore the kiosks.
 - d) Spatial presentation would start about 20 min after the intro and Heidi would give a 10min warning before it starts. It would also be noted that it was optional, not mandatory.
 - e) A CWG member gave an intro for the spatial presentation pointing out that it is not an agency process.
 - f) The host should be there at least an hour ahead of the start time however that did not happen a lot of the time.
 - g) Let the CWG members know that what has worked best is when they do not read from a script.
 - h) One of Chuck sticking points was that most of the good recommendations are being done already.
 - i) James is taking the lead on addressing some of the misinformation from these past three meetings.
- 3) Facilitator to wrap up opening and send people to kiosks (CWG member NOT to do this anymore)
- 4) Only ONE spatial presentation instead of two
- 5) Things that need to be done prior to the southern meetings.
- a) Will probably have higher attendance in Broward County. A schools teacher made it mandatory for his students to attend and write a report. Also, the incorrect date posted on the fishing forum for the Delray meeting may cause some people who missed it, to come to the Broward meeting.
 - b) Paid UM to block parking for the meetings.
- 6) How can citizens get involved at this stage in the game?
- a) SEFCRI application. Timeline stands to send out an email around March and have applications due around April to be reviewed and chosen by June.
 - b) CWG meetings
 - c) Do we want to do any targeted outreach? Or just get them involved in the longer term SEFCRI concept.
- 7) How can people be involved in implementation?

2.27. February – May 2016 Community Working Group, process planning, and debrief meetings

Meeting over this period focused very little (if any) on the Marine Planner and GIS layers. Dr. Walker attended numerous meetings in case the topic came up but there weren't any noteworthy discussions. Most of the focus was on the lack of active fishermen in the CWG during the recommendations' development and how to engage them and bring them up to speed. The RMAs were reviewed and prioritized in March and April without much to do with the Marine Planner or GIS layers.

Dr. Walker gave a presentation to the Lauderdale-By-The-Sea City Commission on April 12, 2016 after an invitation was extended by commissioner Mark Brown during a February Community meeting. Information on the OFR process, the marine planner, and the RMA 146 was presented and discussed. There were no specific data requests or needs identified by the commission. They were happy to be informed and hoped that their needs will be taken into consideration while a plan is being developed.