

**FDOU Project 26A Part 4 –Data Gathering and Technical
Support for the Southeast Florida Coral Reef Initiative
(SEFCRI) Our Florida Reefs (OFR) Decision Support Tool
July 2014-October 2014**

Florida Department of Environmental Protection
Coral Reef Conservation Program
Project 26A Part 4



FDOU Project 26A Part 4 –Data Gathering and Technical Support for the Southeast Florida Coral Reef Initiative (SEFCRI) Our Florida Reefs (OFR) Decision Support Tool

Meeting Agendas and Minutes
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10/31/2014

Completed in Fulfillment of PO AA990A for

**Florida Department of Environmental Protection
Coral Reef Conservation Program
1277 N.E. 79th Street Causeway
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Project 26A Part 4

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Executive Summary

The purpose of this project was to assist Florida Department of Environmental Protection Coral Reef Conservation Program (FDEP CRCP) staff with technical and professional expertise during the *Our Florida Reefs* (OFR) community planning process. Specifically to provide coordination of an online map based decision support tool and creation of a reef user survey. This includes both the development and implementation in meeting the needs and goals of the OFR process as it evolves.

Services provided include coordinating meetings among FDEP CRCP staff, process planning teams, and contractors; maintaining existing and developing additional necessary GIS datasets to be used in spatial analysis throughout the OFR process; maintaining an informational bibliography for the OFR; create an outreach plan and promote the survey as well as guide participants through how to take the survey.

Because of delays in contracting of the decision support tool and development of the online survey, and because a similar parallel need was identified in educating community working group members about GIS and decision support tools, adjustments were made in the deliverables. Because the survey development timeline was shifted, we were not able to coordinate outreach visits to eight stakeholder groups. In lieu of eight separate stakeholder presentations, a one day workshop was held to inform OFR community working group members and members of the public about the tool and survey. This included outreach to members of each of the four county region, and the development of three outreach presentation on the basics of GIS as well as the tools, and resources that would be available to community working group members moving forward. This report and associated data includes the agendas, meeting minutes, outreach presentations, and evaluation reports associated with *Our Florida Reefs* marine planner meetings that occurred in fulfillment of the contract.

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List of Acronyms

CWG- Community working group
DST- Decision support tool
FDEP- Florida Department of Environmental Protection
FDOU- Fishing Diving and Other Uses
FKNMS- Florida Keys National Marine Sanctuary
FWC- Florida Fish and Wildlife Conservation Commission
GOM- Gulf of Mexico
GIS- Geographic Information Systems
LIDAR- Light Detection and Ranging
MPA- Marine protected area
NOAA- National Oceanic and Atmospheric Administration
NOAA NMFS SEFSC- National Oceanic and Atmospheric Administration National
Marco- Mid-Atlantic Regional Council on the Ocean
Marine Fisheries Service Southeast Fisheries Science Center
OFR- *Our Florida Reefs*
RVC- Reef visual Census
SECREMP- Southeast Florida Coral Reef Evaluation and Monitoring Project
SEFCRI- Southeast Florida Coral Reef Initiative

1. COORDINATION OF OFR DECISION SUPPORT TOOL AND TOOL PROJECT TEAM

Table 1. Meetings attended by Dr. Brian Walker and Amanda Costaregni from July through October.

Title	Date	Time	Meeting Minutes
NOAA Biogeo Spatial Approaches Layer Binning	7/1/2014	9:00am-10:00am	N
OFR Weekly update	7/2/2014	10:30am-11:00am	N
Tool Project Team Survey Development Meeting	7/3/2014	1:00pm-3:00pm	Y
OFR Weekly update	7/9/2014	10:30am-11:00am	N
DST Aug Meeting Process Agenda Planning	7/9/2014	3:30pm-5:30pm	N
OFR South CWG Meeting 5	7/16/2014	9:00am-4:30pm	Y
Survey Discussion with Point97	7/16/2014	4:30pm-5:00pm	N
OFR North CWG Meeting 5	7/23/2014	9:00am-4:30pm	Y
Discussion about Metadata for MP	7/24/2014	4:00pm-5:00pm	N
Check-in call with Moe	7/28/2014	10:00am-11:00am	N
OFR Planning grid discussion	7/29/2014	3:00pm-4:00pm	N
Check-in call with Moe	8/1/2014	10:00am-11:00am	N
OFR Marine Planner Workshop planning	8/6/2014	11:00am-12:00pm	N
OFR Survey Grid	8/7/2014	1:00pm-2:00pm	N
OFR practice presentation	8/8/2014	3:30pm-4:30pm	N
OFR Check-in on MP tools	8/13/2014	11:30am-12:30pm	N
OFR Marine Planner Workshop	8/14/2014	7:30am-1:00pm	Y
OFR South CWG Meeting 6	8/20/2014	9:00am-4:30pm	Y
OFR CWG work plan revisions and planning session	8/21/2014	11:00am-2:00pm	N
OFR North CWG Meeting 6	8/27/2014	9:00am-4:30pm	Y
Meeting to Discuss Collated TPT Survey Responses	9/2/2014	2:00pm-3:00pm	Y
Marine Planner Decision Support Function	9/2/2014	4:00pm-5:00pm	N
OFR Marine Planner Weekly Update	9/4/2014	4:00pm-5:00pm	N
Presentation Overview with Meghan and Ben	9/8/2014	9:00am-11:00am	N
OFR South CWG Meeting 7	9/17/2014	9:00am-5:00pm	Y
OFR Marine Planner Weekly Update	9/18/2014	4:00pm-5:00pm	N

Title	Date	Time	Meeting Minutes
SEFCRI/OFR DST Presentation Planning	9/23/2014	1:00pm-4:00pm	N
OFR Planning/meeting with NOAA Facilitators	9/25/2014	12:00pm-5:00pm	N
OFR Planning/meeting with NOAA Facilitators	9/26/2014	10:00am-1:00pm	N
Webinar to Train Presenters	9/29/2014	10:00am-12:00pm	N
OFR Weekly update	10/1/2014	10:00am- 10:30am	N
OFR Marine Planner Weekly Update	10/2/2014	4:00pm-5:00pm	N
OFR Weekly update	10/8/2014	10:00am-10:30am	N
OFR Marine Planner Weekly Update	10/9/2014	4:00pm-5:00pm	N
Meeting with Joe about Survey Press Release	10/14/2014	10:00am-11:00am	N
OFR South CWG Meeting 8	10/15/2014	9:00am-5:00pm	Y
OFR survey Outreach Presentation run-through	10/16/2014	2:00pm-4:00pm	N
OFR Marine Planner Weekly Update	10/9/2014	4:00pm-5:00pm	N
OFR North CWG Meeting 8	10/22/2014	9:00am-5:00pm	Y
OFR Marine Planner Weekly Update	10/23/2014	4:00pm-5:00pm	N
Nov. Process Agenda Planning	10/29/2014	10:00am-12:00pm	N

2. COMMUNITY WORKING GROUP IN MEETING SUPPORT

2.1. July CWG Meeting Minutes as they apply to the DST

Table 2. All GIS layers presented at the North and South CWG meetings in July

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
Lauren Waters	Examples of Existing Spatial Approaches to Management in Coastal and Aquatic Areas of Broward and Miami-Dade Counties: Includes SEFCRI boundary, County Boundary, Outstanding FL waters, State Parks, Aquatic Preserves, National Parks, FKNMS Boundary, Key Biscayne Special Management Zone, Particularly Sensitive Sea Area, Fish havens, Spiny Lobster Sanctuary, Naval Restricted Area, Offshore Anchorage Areas, Spoil Dumping Areas, Artificial Reefs, and Mooring buoys	YES	Most layers were already in the Marine Planner. County boundaries, Particularly Sensitive Sea Area, Fish havens, Spiny Lobster Sanctuary, Naval Restricted Area, and Spoil Dumping Areas were not in the Marine Planner but were requested and added
Mason Smith	State Water Jurisdiction	YES	Not requested; not added to Marine Planner
Mason Smith	Permit Management Zone (Special Permit Zone and State water boundary)	NO	Not requested; not added to Marine Planner

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
Erin McDevitt	Currently Staffed Areas in FL. FWC Marine Habitat Management Resource Coordinator Regions	NO	Not requested; not added to Marine Planner
Erin McDevitt	Grassy Flats Estuarine Restoration Project Lake Worth	NO	Not requested; not added to Marine Planner
Erin McDevitt	Volusia Dragline-Ditched for mosquito Control Purposes	NO	Not requested; not added to Marine Planner
Erin McDevitt	Breaker's Reef Mooring Buoys Palm Beach County	YES	Yes; Mooring buoy layer already in the Marine Planner
Jim Bohnsack	NOAAs NMFS Southeast Region including Caribbean Fishery Management Council, GOM Fishery Management Council, South Atlantic Fishery Management Council. Laboratories in each region	NO	Not requested; not added to Marine Planner
Jim Bohnsack	South Atlantic Council Jurisdictional Boundaries	NO	Not requested; not added to Marine Planner

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
Jim Bohnsack	NOAA Southern Fishery Management and Science Partners showing locations of reefs throughout FL and Caribbean	NO	Not requested; not added to Marine Planner
Dan Clark	Segment II Burial	NO	Not requested; not added to Marine Planner
Dan Clark	Port Everglades Channel Expansion	YES	Not requested; not added to Marine Planner
Kirk Kilfoyle	Gulf Stream, Bahamas Fracture Zone, and FL Reef Tract	YES	Not requested; not added to Marine Planner
Kirk Kilfoyle	RVC Sites over Benthic Habitat Map and Sampling Grid	YES	Yes; Already in the Marine Planner as reflected by RVC fish data
Melanie McField	Meso-American Reef Marine Protected Areas and Fully Protected Areas	NO	Not requested; not added to Marine Planner
Melissa Sathe	SEFCRI region and Managed Areas	YES	Yes; Already in the Marine Planner
Melissa Sathe	Coral Reef and Hard Bottom	YES	Yes; Already in the Marine Planner
Jennifer Peterson	FDEP District Offices	YES	Not requested; not added to Marine Planner

Map layer presented by	Layer Description	Data in current database?	Requested?/ Action Taken
Pamela Sweeney	Kissimmee-Okeechobee Everglades Watershed	NO	Not requested; not added to Marine Planner
Pamela Sweeney	Florida's Aquatic Preserves	YES	Yes; Already in the Marine Planner
Pamela Sweeney	Florida's State Parks	YES	Yes; Already in the Marine Planner

2.2. August CWG Meeting Minutes as they apply to the DST

Table 3. All GIS layers presented at the North and South CWG meetings in August

Map Layer Presented By	Layer Description	Data in current database?	Requested?/ Action Taken
Billy Causey	Marine Sanctuaries and monuments in the US	No	Not requested; not added to Marine Planner
Billy Causey	FKNMS Boundary	Yes	Not requested; not added to Marine Planner
Billy Causey	Map including no discharge zones, no oil and gas development, areas to be avoided, marine zoning, Particularly Sensitive Sea Areas	Yes	No discharge zones, areas to be avoided, and Particularly Sensitive Sea Areas were not in the Marine Planner but have been added No oil and gas development and marine zoning layers have not been requested and have not been added
Billy Causey	Nautical Charts with Western Sambo Ecological Reserve	No	Not requested; not added to Marine Planner

Map Layer Presented By	Layer Description	Data in current database?	Requested?/ Action Taken
Billy Causey	Tortugas Ecological Reserve, Tortugas National Park, Riley's Hump (location of mutton snapper aggregation)	No	Not requested; not added to Marine Planner
Billy Causey	Currents as dispersal highways including the Portalis and Totugas gyres	No	Not requested; not added to Marine Planner
Billy Causey	Molasses Reef mooring buoys	No	Not requested; not added to Marine Planner
Billy Causey	SE Atlantic, Gulf, and Caribbean region Office of National Marine Sanctuaries map of existing sanctuaries, proposed site expansions and proposed new sanctuary sites	No	Not requested; not added to Marine Planner
James Byrne	Map of Grenada with mooring zones, restricted zones, recreational non-extractive use zone, reef fish protection area	No	Not requested; not added to Marine Planner
James Byrne	Grand Cayman Marine park and zoning rules	No	Not requested; not added to Marine Planner
James Byrne	Proposed new marine park system for the three Cayman islands	No	Not requested; not added to Marine Planner
Tova Callender	Priority watersheds in Maui	No	Not requested; not added to Marine Planner

2.3. September CWG Meeting Minutes as they apply to the DST

No GIS layers were presented at this meeting and no new GIS layers were requested by the CWGs.

2.4. October CWG Meeting Minutes as they apply to the DST

No GIS layers were presented at this meeting; however, questions/requests regarding the DST and survey were as follows:

- Dan requested specific information such as a sewer infrastructure layer for land-based sources of pollution (LBSP) recommendations.
- Do we have access to septic locations? *We do not have access to this information currently but we can look into obtaining a data layer that displays this information*
- Dan requested that a layer with septic locations be added to the Marine Planner.
- Alex Sommers requested a data layer that demonstrated beach nourishment project sand movement. He wanted visuals that showed the amount of sand and movement of sand on the beach so that he could see the changes in coverage over time. Possibly on a month by month basis.
- When will survey Close? *The Survey will remain open through the winter and close around late February or early March. We need to keep in mind that the timeline for the survey must also align with the CWG objectives.*
- A survey issue was reported by CWG member Carman Vare. He stated that he had logged points in the survey but got kicked out of the browser. When he returned to the survey using the link previously emailed to him, all points mapped were missing.

3. OUTREACH

The OFR process, in particular the development of the online mapping tool was scoped to begin in early 2014, but was not contracted until mid-May 2015. As such many delays occurred in developing not only the tool but the survey itself. In fulfillment of a portion of the outreach requirements it was asked that that contractors participate in a public workshop. In this way many counties could be reached simultaneously. In lieu of traveling to each of the four counties and to each OFR CWG independently, a one day workshop was planned and coordinated to bring members from all four counties to together to provide information about the reef user survey and decision support tools. The three presentations created for the workshop accounted for three outreach events and are provided as an electronic deliverable. These presentations were “The Basics: Global Information Systems (GIS) 101”, “Learning Session II – Electronic Resources”, and “Learning Session III – Navigating the OFR Marine Planner”. Because the workshop brought together members of the four county region, and involved several planning meetings, the one day workshop accounted for the remaining outreach events.

The Marine Planner workshop was an outreach and training event designed to provide CWG members hands on experience with the electronic tools they would be using during the OFR process; an understanding of the basic principles of GIS; and an understanding of how the OFR marine planner and decision support functions will support the development of their recommended management actions.

Approximately 40 people were in attendance including CWG primary and alternate members, members of the general public, and others involved in the planning of the *OFR* process. The workshop, began with a basic GIS overview and was followed by three sessions: “On-line resources”, “Navigating the Marine Planner”, and “What is Decision Support?” The CWG members were broken up into small groups of approximately 12 participants per session and these groups rotated through the three learning sessions.

3.1. The Basics: Global Information Systems (GIS) 101

During the GIS 101 session, Dr. Brian Walker walked the CWG members through the history of GIS as well as its numerous applications such as location plotting, impact assessments, and seafloor visualization. He explained how GIS functions, showing that the program connects data to graphics that can be more easily understood. The concept of data layers was explained and the members were shown the interactive capability of the maps and databases in the program. The two main data types were defined; Vector – point-based data and Raster – pixel-based data. The CWG member were shown that distance, area, volume, and perimeter can be calculated. They were also advised about GPS errors, spatial scale concerns, and surface layer concerns that may exist in GIS. The presentation was submitted to FDEP electronically.

Comments and questions asked during the GIS 101 session

- There were no pressing questions after the presentation. Several people gave general comments including one on the issues regarding interpolation of points into surface models.

3.2. Learning Session I – What is Decision Support?

During the “What is Decision Support?” session, Lauren Waters explained what decision support is and how it will be used in the OFR process. She explained that decision support includes the methods and software to help incorporate best available information into decision making. A fictitious wind energy planning scenario was used to demonstrate the potential tool capabilities that will be available in the future. She showed how the tool will function and analyze current data to provide options for place-based recommendations and help the CWG members visualize these spatial options that fit the input and values provided. She also presented what the tool can do as well as what it cannot do so that the CWGs understand its capabilities and how it will be useful in the management recommendation process.

Comments and questions asked during the “What is Decision Support?” session

- **Comment:** The reality is that ultimately these [recommendations] are only going to be funded or implemented by different agencies or groups outside of this one. To come up with just one option probably isn't going to work.
Response: The tool can accommodate this. Based on the features and values for those features, the tool may provide one or many locations. It is up to the CWG members to come to consensus on if they want to put forward one final option for the location of the action, or if they want to put forward a few different options and then let the implementing agency decided which one to move forward with.
- **Question:** Are we [CWG members] going to have access to this [decision support function]?
Response: Yes, you will have access in and outside of the meetings. You can work alone within the program, or you may bring together a small subset, or the whole group to work on an action. It's really up to the CWG members. You are going to be the ones working with the tool.

The majority of participants found this workshop very helpful and informative as can be viewed by the summary of evaluations (See Appendix A). They were also excited about the e-beam technology that was used to present during the "What is decision support?" session. They seemed eager to implement its use as well as the use of other demonstrated technologies during the OFR process.

3.3. Learning Session II – Electronic Resources

During this learning session, community working group (CWG) members were presented with the various electronic resources that will be available to them throughout the OFR process. These tools will be used to aid the members in making management recommendations based on the best available science.

They were taught how to use and navigate the Microsoft Surface tablets that FDEP will provide them during the CWG monthly meetings. On these tablets, they were shown the key programs they will be using to access important information for the recommendation process. The presentation was submitted to FDEP electronically.

Comments and questions asked during the Online Resources session

- **Question:** Can anyone access the endnote bibliography online?
Response: Yes, anyone that has the username and password that will be emailed to you may access the endnote bibliography however, we have created it for the CWG members and the access information is not to be shared by the public.
- **Question:** What if there is a resource we would like added to the Endnote bibliography?
Response: If there is a relevant resource entry that you would like added to the current bibliography, please email me with the author, date, and title and I will do my best to locate the paper and add it to the bibliography. If you have an electronic copy of the journal article, please attach that to the email as well.

3.4. Learning Session III – Navigating the Marine Planner

During this learning session, CWG members were shown how to access the Marine Planner through the *Our Florida Reefs* website and how to log-in using the unique ids provided to them. They were shown how to add layers, adjust opacity, view the legends for each layers and locate information about the layers. They were also shown how to save the map they create using the bookmark function and how to share, print, or export their maps. Available capabilities when logged on, such as the drawing function, were demonstrated.

Comments and questions asked during the Navigating the Marine Planner session

- The gateway timed out during the demonstration.
- It seemed that the LIDAR layer was too much for the server to handle when multiple users accessed the Marine Planner.
- Some CWG members felt that the description box was too small.
- It was noted that the legends need better descriptions, especially the benthic habitat legend. There is no information indicating what the habitat categories mean.
- Detailed contours for the nearshore habitat were requested.
- The Marine Planner system crashed when multiple users logged out

3.5. Our Florida Reefs Marine Planner Workshop

3.5.1. Agenda

MEETING AGENDA

Community Working Group

Thursday, Aug 14th, 2014 8:45 AM – 1:00 PM

At Nova Southeastern University

Oceanographic Center, 3rd Floor Auditorium

8000 North Ocean Drive Dania Beach, FL 33004

Meeting Purpose: Learn about the Our Florida Reefs online mapping tool and other electronic resources to support the decision making process.

8:45 Meet and Greet / Sign In

9:00 Welcome & Meeting Overview

9:10 Introductions

9:20 The Basics: Global Information Systems (GIS) 101- Brian Walker – Nova Southeastern University

10:20 BREAK

10:35 Learning Session I – What is Decision Support

11:15 Learning Session II – Electronic Resources

12:00 Learning Session III – Navigating the OFR Marine Planner

12:40 Public Comment

12:55 Wrap Up

1:00 ADJOURN

* Time of all agenda items except public comment may be changed by the Community Working Group during the meeting. Marine Planner Workshop Synopsis

3.6. Presentation at the Hollywood Hills Saltwater Fishing, Science, and Social Club Monthly Meeting

On Thursday October 1, 2014, Brian Walker and Amanda Costaregni attended the Hollywood Hills Saltwater Fishing, Science, and Social Club monthly meeting at Shenanigan's East Side Pub in Dania Beach, FL. The meeting was held from 6-9 pm with about 40 people in attendance, with the dominant demographic being white middle age male. Brian Walker gave a talk on his GIS and spatial ecology research as well as introduced the OFR Marine Planner and survey. Amanda Costaregni presented the survey, explaining its purpose and giving the group a walkthrough. At the end, survey postcards were handed out to members as they were told to spread the word to family and friends. See Appendix B for the Sun Sentinel announcement of the meeting.

Comments and questions asked during the Hollywood Hills Saltwater Fishing, Science, and Social Club Monthly Meeting

- **Question:** Should respondents take the survey on behalf of their whole family?
Response: No, respondents should only take the survey for themselves and not any other family members.

- **Question:** Should charter fishing captains record their locations on behalf of their patrons?
Response: Charter fishing captains should only take the survey for themselves and not the patrons on their vessel. They should instead urge their patrons to register and take the survey on their own behalf.

- **Question:** What if we have a lot of areas to map or don't remember exact locations?
Response: This is to be expected of avid fishermen who frequent the reefs year round. Please remember that you are able to return to your survey using the unique link sent to your email when you register. All of your data is saved and you are able to make additions and edits until you hit the submit button. Also, if you still feel that there are too many points to record, please select a handful of locations that you feel are most important. We understand that mapping points can be a daunting task. We would rather you provide whatever data you feel comfortable with rather than get discouraged and stop the survey. If you do not remember exact locations, do not worry. Just indicate the area to the best of your ability. Even general locations will still give us valuable data to use. Also remember that you may turn on the habitat, mooring buoy, or dive site layer to help better orient yourself on the map.

- **Question:** Can we type in coordinates if we know them?
Response: Yes, there is an option to type in coordinates in the location search function.

The questions received in this meeting led us to alter the survey to make its objective clearer and to gather more accurate data. Many people seemed to be confused about how to account for other people on their vessel, especially charter fishing captains so two new options were added to the survey. Under commercial fishing, an option for fishing charter captain and dive boat captain was added. Also, new language was added to clarify survey directions as in figure 3 below. The new language states “Please fill out this survey for your personal activities only.” And “If you are a charter captain, please select the appropriate Charter Vessel activity under “Commercial” and select the locations you were hired to take patrons. Please encourage your patrons to fill out the survey as well.”

All of the fishing club members seemed very interested in the Marine Planner and survey. They all were eager to participate and took survey postcards with them as they left the meeting. President Arthur Mariano sent out an email to the club members following the meeting as a reminder to take the survey as well.

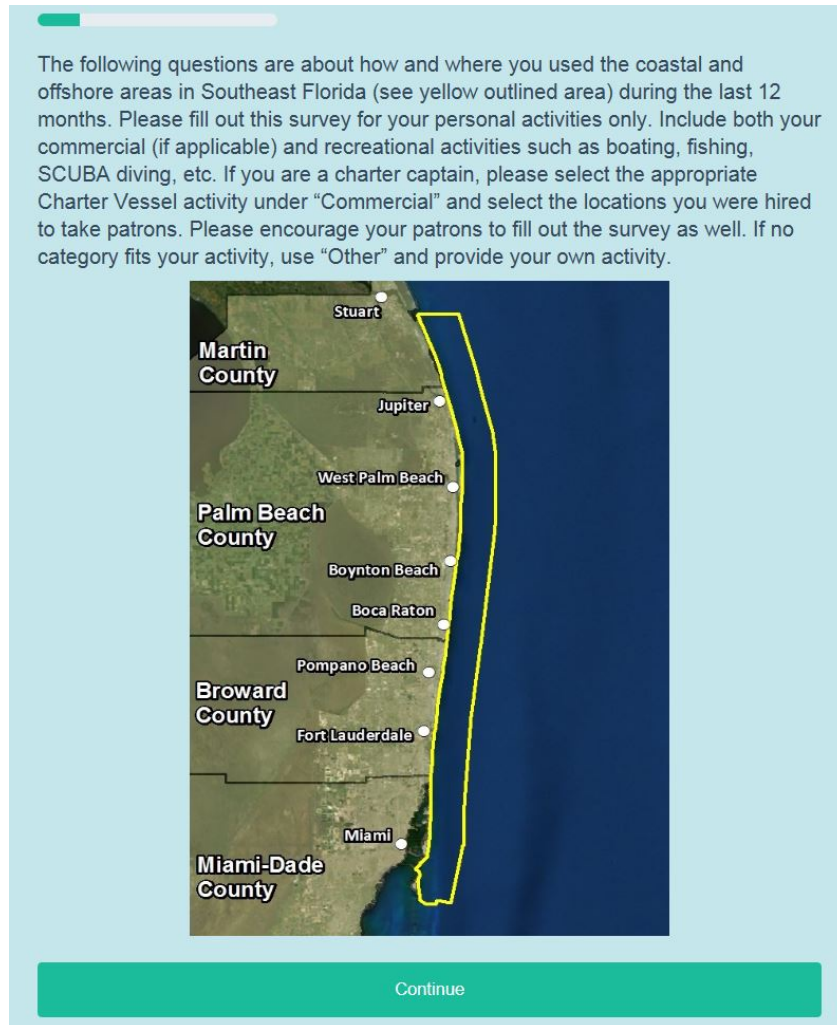


Figure 2. New language added in the OFR survey reflecting comments received at the Hollywood Hills Saltwater Fishing, Science, and Social Club monthly meeting presentation on October 1st, 2014.

APPENDIX A AUGUST WORKSHOP EVALUATIONS.

Evaluations were filled out by the CWG members at the end of the workshop to determine whether they found the presentations helpful and whether the goals and objectives of the workshop were met. All answers were either strongly agree or agree with the vast majority indicating strongly agree (90% or higher).

New Summary Report - 19 August 2014

Survey: OFR Meeting Evaluations 8.14 DST

1. First Name

Count	Response
1	Alex
1	April
1	Bill
1	Butch
1	David
1	Denise
1	Howard
1	Irene
1	Kathy
1	Mitch
1	Nick
1	Tom

Last Name

Count	Response
1	Arpayoglou
1	Cole
1	Comiskey
1	Fitzpatrick
1	Fox
1	Lustgarten
1	Moe Nelson
1	Morrell
1	Olsen
1	Price
1	Sommers
1	Warnke

2. Date of the Community Working Group meeting

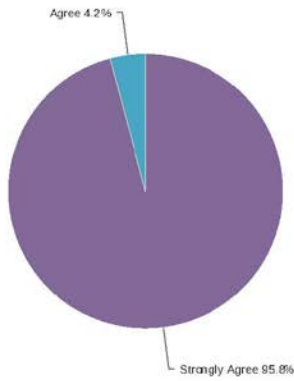
Count	Response
24	08/14/2014

The meeting purpose and agenda were clear



				Statistics	
Strongly Agree	91.7%		22	Total Responses	24
Agree	8.3%		2	Sum	26.0
Neutral	0.0%		0	Average	1.1
Disagree	0.0%		0	StdDev	0.3
Strongly Disagree	0.0%		0	Max	2.0
Total			24		

Activities were focused and productive

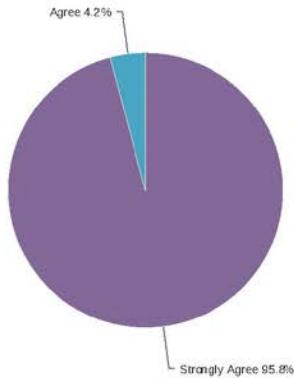


Strongly Agree	95.8%	<div style="width: 95.8%;"></div>	23
Agree	4.2%	<div style="width: 4.2%;"></div>	1
Neutral	0.0%	<div style="width: 0.0%;"></div>	0
Disagree	0.0%	<div style="width: 0.0%;"></div>	0
Strongly Disagree	0.0%	<div style="width: 0.0%;"></div>	0
Total			24

Statistics

Total Responses	24
Sum	25.0
Average	1.0
StdDev	0.2
Max	2.0

Facilitator effectively guided and worked with the group to achieve the meeting purpose



Strongly Agree	95.8%	<div style="width: 95.8%;"></div>	23
Agree	4.2%	<div style="width: 4.2%;"></div>	1

Statistics

Total Responses	24
Sum	25.0

APPENDIX B ANNOUNCEMENT OF PRESENTATION IN THE SUN-SENTINEL

This article was found in the September 30th Sun-Sentinel announced Dr. Brian Walker and Amanda Costaregni's presentations on the new *Our Florida Reefs* Marine Planner and Survey at the Hollywood Hills Saltwater Fishing, Science, and Social Club.

Florida fishing report: Dolphin biting off South Florida - Sun Sentinel

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Good dolphin catches deep and also shallow



Max Howard, 16, of West Palm Beach caught this 22-pound bull dolphin on a light spinning rod Sunday in 90 feet off Singer Island. The fish hit a dead sardine on a Gulfstream Yellowtail Jig. (Courtesy Willie Howard, S-S)

By Steve Waters,,
Sun Sentinel

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Now that fall is here, dolphin are on the move back south and South Florida anglers have enjoyed some of the best fishing of the year for the highly coveted species.

Capt. Bouncer Smith had a trip Monday out of Miami Beach Marina that rivaled any of his dolphin trips in May, which is typically the best time of the year to catch lots of dolphin.

Rob McCully and David Spain of Miami and Jonathan Lapin of New York caught their limit of 30 dolphin up to 20 pounds fishing along a rip with grass 12 miles offshore on Bouncer's Dusky 33.

"We caught dolphin up to 15 pounds one right after the other trolling feathers and ballyhoo," Smith said. "A fish would hit a ballyhoo, then a fish would hit a feather, then a fish would hit a ballyhoo and the next fish would hit a feather."

Eventually, Smith came upon a large piece of floating debris. When he trolled by that, his anglers caught a 20-pound dolphin and two fish 15 to 18 pounds.

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The debris also held a solid school of dolphin 5-8 pounds, along with some wahoos. Trolling spoons around the debris produced six wahoos up to 14 pounds.

Before heading offshore, Smith had trolled 3 1/2 Drone spoons on No. 4 planers in 150 feet and his anglers caught their limit of kingfish.

Dolphin also were biting off Palm Beach County. Willie Howard, of West Palm Beach, and his son Max, 16, were drifting in 90 feet a few miles north of Lake Worth Inlet when a bull and a cow dolphin showed up alongside their boat.

Max pitched out a dead sardine on a Gulfstream Lures yellowtail jig and a 12-pound spinning outfit and, after a 15-minute fight, he landed the 22-pound bull. His father caught the 15-pound cow, also on a dead sardine.

Capt. Alan Zaremba, of Hollywood, reported pretty good freshwater fishing, noting that there was "a true fall bite going, which means lots of topwater action," for largemouth and peacock bass.

"Even with high water out in the Everglades, I am still getting a good topwater bite in the more isolated canals with no marsh access," Zaremba said.

"And the urban canals have also been yielding good peacock bass and snakehead action. Both snakeheads and peacock bass are biting Heddon Baby Torpedoes and Storm Chug Bugs."

Gary Shumacker of Jacksonville caught 24 largemouths and 15 peacocks fly fishing in the 1.-30 with gurglers and peppers worked aggressively. Ted Sander of Cooper City caught eight peacocks using Baby Torpedoes on a morning trip in the C-6.

Josh and Matt Goodry of New Orleans caught 15 peacocks up to 3 pounds and two snook using AZ Jungle Jigs and Baby Torpedoes in the C-100. Joe Sullivan of Pompano Beach caught four snakeheads, two peacocks and a few largemouths on Chug Bugs and Baby Torpedoes during a half-day trip in the G-15.

Ray Shimoaubo of Big Pine Key caught nine snakeheads, 14 peacocks and three largemouths using Baby Torpedoes in the L-35A.

Daniel Paret, 15, Andrea Paret, 12, and Ryan Holland, 14, all of Miami Lakes, caught 15 peacocks up to 3 pounds on AZ Jungle Jigs and Baby Torpedoes.

Reef meeting: Dr. Brian Walker and Amanda Costaregni of Nova Southeastern University present "The Seascape of the Northern Florida Reef Tract" at the Hollywood Hills Saltwater Fishing Science and Social Club meeting at 7 p.m. Wednesday at Shenanigans East Side Pub, 1300 S. Federal Highway, Dania Beach.

Walker and Costaregni will discuss the new Our Florida Reef Marine Planner software, which features detailed maps of the ocean bottom off South Florida, and seek feedback for an Our Florida Reef survey about reef use.

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