WATERFRONT ADVISORY BOARD
Minutes
City Hall Council Chamber
Tuesday, October 2, 2018 5:30 PM

Rocky Rich, Jr., Chair
Michael Engiles
Phillis Rosetti-Mercer

Lora Klein, Vice-Chair
Jim Baumstark
Lynn Marcum

Mayor Jim Farley, Liaison

1. Call to Order – The meeting was called to order at 5:30 p.m. by Chair Rich.
2. Roll Call –
   Absent – Mike Engiles.
3. Pledge of Allegiance – Chair Rich led in the recital of the Pledge of Allegiance.
4. Adoption of Agenda – Board member Baumstark moved to adopt the agenda; Board member Rosetti-Mercer seconded the motion. Motion carried 5-0.
5. Approval of Minutes – Board member Baumstark moved to approve the minutes; Vice-chair Klein seconded the motion. Motion carried 5-0.
6. Presentations – Lisa Moore, SCR – Lisa Moore provided the Board an update on Dredging and Planting Project and what happens to the sand that is removed during dredging (see attachment A).
7. Citizen Input – (three (3) minutes) – Pete Langlois, Crystal River, lives along canal 4 which was dredged and planted the previous year, there is a return of bass and more aquatic activity. Mr. Langlois stated that the water was definitely clearer than before. Mr. Langlois stated that the bottom of the canal was being filled with the eel grass that was planted which has now spread. Mr. Langlois stated that he worked on the SCR website.
8. Unfinished Business –
   a. Straws Initiative Update – Co-Liaison Perez provided the board with an update on the status of the decal printing.
   b. Recycling toilets rebates – Board tabled this item until further research could be done by staff.
9. New Business –
   a. Talk about pole anchors and incentives – Board member Rosetti-Mercer provided the Board with an update. Board member Rosetti-Mercer contacted Savannah Barry and relayed the information to the Board. Board member Rosetti-Mercer relayed that Sea Grant would have a grant available around April that the Board could apply for and use for pole anchors. Board member Rosetti-Mercer also provided information on the coastal initiatives grant that the City could potential get it and can only be used once a year. Board member Rosetti-Mercer noted that the city had already utilized this grant for the current year. Board Member Rosetti-Mercer noted that many of the tour operators collect an additional 1-2% from guest to put towards helping with in the area, such as kayaks for the science station. Rosetti-Mercer thought that may be an option additionally. Chair
Rich inquired if Ms. Barry would be available for the Board’s next meeting. The Board discussed utilization of grant money to purchase pole anchors to distribute to tour operator as a pilot program to anchoring scars in grass planting area.

b. Motion to pay $ for the decal graphic design – The Board discussed the cost of the graphic design. Item tabled until next meeting.

c. Refuge Day – Refuge day was scheduled for October 13th. Board member Rosetti-Mercer moved that the Board would not go to refuge day for 2018; Chair Rich seconded the motion. Motion carried 5-0. It was noted that Board members were free to attend as individuals.

10. Citizen Input – (three (3) minutes) – Pete Langlois, Crystal River, stated that during the scallop season and during manatee season he had been thinking about signage that reflect dos and don’ts that citizens could put on their lawns for people going up and down the canal’s. Mr. Langlois suggested stick in the ground signs. Mr. Langlois stated that there could be funding through the TDC for the signage. Mr. Langlois suggested the board create an educational initiative for signage with such subjects as follows: scallop shells,anchoring and such ideas. Note: stick in the ground signage is not allowed within the city on public property.

11. Board Member Reports/Comments –
   Jim Baumstark- Board member Baumstark presented information about impact funding related to the nuclear power plant shut down.
   Mike Engiles- Absent.
   Lora Klein – No comment.
   Lynn Marcum – No comment.
   Rocky Rich, Jr. – No comment.
   Phillis Rosetti-Mercer – Board member Rosetti-Mercer stated that there were 3 SWFWMD permit notifications.

12. City Council Liaison Comments – Mayor Farley – not present.

13. Staff Comments – No comment.

14. Announcement of Next Meeting – Wednesday, November 7, 2018 at 5:30 p.m. (in error it was announced as November 6, 2018).

15. Adjournment – Board member Baumstark moved to adjourn; Board member Klein the motion. Motion carried 5-0. Meeting adjourned at 6:50 p.m.

Attest:

Rocky Rich, Chair

Lisa Morris, Deputy Clerk
Kings Bay Restoration Project

2018 Update for the Crystal River Waterfronts Board

By: Lisa Moore, President
10/2/2018
Photo by Capt. Stacey Cunn

Project Goals

- **REMOVE** invasive Lyngbya and years of accumulated detrital material that have overtaken our waters and destroyed critical habitats.
- **REPLANT** native eelgrass that can outcompete the algae for nutrients and add oxygen to the waters
- **PROTECT and MAINTAIN** the newly planted grasses
- **OPEN SPRING VENTS** – More than 200 to date – some very large in current areas
- **PREVENT** ongoing introduction of pollutants (Nitrogen, Phosphorus, runoff) that contribute to algae growth & water degradation
- **EDUCATE** others regarding our mission and how each community member & group can help restore our waters,
Project Highlights to Date

- Received approx. $15 Million
- Restored 16.7 acres
- Opened 256+ spring vents
- Planted over 80,000 eelgrass plants with a measured 93% survival rate
- Removed 44,260 tons of muck! Measured in cubic yards, this material would stretch from Crystal River to Disney World!
- Removed approx. 95% of the phosphorus and 50% of the nitrogen pollution from the treated water

Snook in Pilot Project

Mangrove Snapper in Hunter Springs
Manatee Friendly Equipment

Processing

- Triflow
- Geotubes
- Soil Amendment
The Manatee Smorgasbord

Seagrass & Benthic Restoration Techniques

Scientifically Cultivate Native Eelgrass
Plant
Protect
Maintain
Study and Evaluate
Independent Scientific Evaluation and Study - A Proven Success!

Figure 9. MDS ordination of Poar macroinvertebrate samples from May 2017.

To further assess the benthic community represented in the Poar samples, we compared the data from these samples and compared the February and May macroinvertebrate communities using MDS (Figure 3). The compared Poar samples from restored and control sites for both seasons combined were 79.2% dissimilar (Appendix A).

Project Outreach

- Partnered with Duke Energy for Eelgrass Giveaways & CRPS EcoWeek Projects
- Presentations to and work with community groups
- Received Grant enabling CRPS teachers to write curriculum on Eelgrass/Habitats
- WEDU partnering with SCR for Educational lesson plan series on Eelgrass/Habitats
- Maintain Project Updates on FB, Twitter, & Websites
- Conduct Project Tours for Public Education
- Create & Distribute Annual Reports on Project
- SCR volunteers have put in an excess of 15,000 hours of donated time on this effort
Local Dive Shops & Kayak Companies install Eelgrass Tanks to Education Visitors

SCR-Duke Energy-CR Primary Growing Seagrass at School

SCR Worked with CRPS Teachers to Develop Seagrass Curriculum with SWIM Grant

Dave Perry - Hunter Springs Kayaks & Manatee Tour & Dive

2nd Annual Eelgrass Planting Day at Hunter Springs Park Crystal River Primary School
Virtual Reality Meets Eelgrass

Our Springs Are Coming Back!
Concerns Going Forward

- Seagrass Damage from anchors, props, and humans/tourists
- Effects of Hurricanes: Salty Dog vs. Rock Star
- Permitting for Phases 2-4: Identification of Areas suitable for Year Round vs. Summer only Work.

We Need Your Help

Please help us meet our goal of restoring Kings Bay by July 2, 2023

The Centennial Anniversary of the City of Crystal River

www.SaveCrystalRiver.com

www.KingsBayRestorationProject.com
QUESTIONS?