WATERFRONT ADVISORY BOARD
Agenda
City Hall Council Chamber
Wednesday, November 7, 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 –
2. Roll Call –
   Present –
   Absent –
3. Pledge of Allegiance –
4. Adoption of Agenda –
5. Approval of Minutes –
6. Presentations –
7. Citizen Input – (three (3) minutes) –
8. Unfinished Business –
   a. Straws Initiative Update & graphic design $ -Lisa
9. New Business –
   a. Refuge Day December 15, 2018 - Board
   b. exotic plants growing in the creek/ditch that boarders Three Sisters Springs Trail and the property-Phillis
   c. Three Sisters Improvements – Email Joyce
10. Citizen Input – (three (3) minutes) –
11. Board Member Reports/Comments –
   Jim Baumstark-
   Mike Engiles-
   Lora Klein -
   Lynn Marcum-
   Rocky Rich, Jr. –
   Phillis Rosetti-Mercer-
12. City Council Liaison Comments – Mayor Farley –
13. Staff Comments –
14. Announcement of Next Meeting –December 4, 2018 at 5:30 p.m.
15. Adjournment –
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 canals. 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:

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Rocky Rich, Chair

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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 Dunn

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.
BEFORE 2015

2017-2018
AFTER RESTORATION

Photo Through Clear Kayak by Janet Mulligan
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
Manatee Friendly Equipment

Approximate Size
24" x 18" x 12"

Hand Held Vacuum

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!

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 educate visitors.

SCR-Duke Energy-CR Primary growing seagrass at school.

SCR worked with CRPS teachers to develop seagrass curriculum with SWIM grants.

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

Photo by Janet Mulligan
On Thu, Oct 25, 2018 at 12:03 PM Lisa Morris <lmorris@crystalriverfl.org> wrote:

Will you be able to attend the meeting on November 6th at 5:30? I am finishing up the agenda so I need confirmation one way or the other. Thanks

Sincerely,

Lisa Morris

Executive Administrative Assistant/Deputy Clerk

City of Crystal River

123 NW Hwy 19

Crystal River, FL 34428

352-795-4216 Ext. 301

LMORRIS@crystalriverfl.org

The City of Crystal River is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. Email messages are covered under Chapter 119 and are thus subject to public records disclosure. All email messages sent and received are captured by our server and retained as public records. This footnote also confirms that this email message has been swept for the presence of computer viruses, and illegal or questionable content. This system is a private system and is monitored for electronic tampering. Violators will be prosecuted to the fullest extent of the law. This email may contain confidential or privileged material. Use or disclosure of it by anyone other than the recipient is unauthorized. If you are not the intended recipient, please delete this email.
Thank you Lisa.
I will get your order going.
Have a great weekend.
Tasha

Dive Patches International, Inc.
4516 NE 6th St.
Ocala, FL 34470
352-401-3483
www.divepatches.com
Be sure and like us on FaceBook

From: Lisa Morris [mailto:lmorris@crystalriverfl.org]
Sent: Friday, November 02, 2018 9:55 AM
To: tasha@divepatches.com
Subject: FW: BSA Purchase Order: Requisition #’617 Converted to PO #’2018-652’.

See below. The PO for the decals has been issued.

Sincerely,

Lisa Morris
Executive Administrative Assistant/Deputy Clerk
City of Crystal River
123 NW Hwy 19
Crystal River, FL 34428
352-795-4216 Ext. 301
LMORRIS@crystalriverfl.org
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From: Ashley Brigham  
Sent: Friday, November 02, 2018 9:53 AM  
To: Lisa Morris  
Subject: BSA Purchase Order: Requisition #617 Converted to PO #2018-652.

A requisition has been converted into a purchase order.

Purchase Order Number: 2018-652  
Purchase Order Post Date: 08/14/2018  
Purchase Order Amount: 292.00  
Purchase Order Vendor Name: DIVE PATCHES INTERNATIONAL INC.

Requisition Number: 617  
Requisition Entered By: lmorris
Lisa Morris

From: Palmer, Joyce <joyce_palmer@fws.gov>
Sent: Friday, November 02, 2018 3:11 PM
To: Lisa Morris
Subject: Re: [EXTERNAL] Waterfronts Board Meeting
Attachments: image003.jpg

Lisa - see update below. I would like to attend in December if room on the agenda.
Thanks,
Joyce

Three Sisters Springs update
The Coordination Committee is currently comprised of Dave Burnell, Pat Fitzpatrick, and Joyce Palmer. Our primary focus has been revising the legal agreement to present to City Council for approval and signature and updating the Master Plan for development of visitor amenities. This plan is based on previous public input, the recommendations of the Community Working Group, and the USFWS management plan approved by City Council in April. We also agreed to how our funding and the State funding the City received will be spent on the property. The City will use State funds on infrastructure: 1) water and sewer installation for the bathrooms and 2) paving the entrance road after manatee season. FWS funds will be spent on Tier 1 projects as identified in the plan.

In the last 6 months, the refuge has:

- Installed 7 new interpretive panels designed in cooperation with the Southwest Florida Water Management District.
- Contracted with UFL, Inc. to remove exotic and invasive plants from the property, such as cogon grass and Brazilian pepper.
- Graded and resurface the entrance road.
- Purchased a biodegradable dust control material to be applied to the entrance road next week to control dust until the road can be paved.
- Revised our contract with Hydra Engineering and Construction, LLC to construct/install remaining items specified in Tier 1 of the revised management plan. Since then, they have completed elevational surveys of the property, a geotechnical survey for construction of the restrooms, and are almost at 35% design of the restrooms. The new Master Plan will be completed soon and shared with public.

Joyce Palmer
Wildlife Refuge Manager (Project Leader)
Crystal River National Wildlife Refuge Complex
Crystal River | Chassahowitzka | Egmont Key | Passage Key | Pinellas NWRs
871 N Suncoast Blvd.
Crystal River, FL 34429