



VIRGINIA SALTWATER RECREATIONAL FISHING DEVELOPMENT FUND SUMMARY PROJECT APPLICATION

Please complete all fields. This page should be used as a coversheet for a detailed application.

Cherry Point Property Owners Assoc. Dan hill, President 804-725-9690

danandcarla1968@gmail.com

NAME AND ADDRESS OF APPLICANT:

CPPOA

P.O. Box 343

Grimstead, VA 23064

PROJECT LEADER (name, phone, email):

Dan Hill, President

P.O. Box 343

Grimstead, VA 23064

DESCRIPTIVE TITLE OF EVENT:

Cherry Point Community

Pier Fishing Reef completion

PROJECT LOCATION:

Cherry Point, SE of the entrance to Kibble

Creek at Cherry Point, Gwynn's Island

Mathews County, VA Tax Map 6, Insert

11A1, lot 7A1, Old Cherry Point Road

BRIEF PROJECT SUMMARY: (include a detailed description of activity as an attachment)

Project will be to install 5 ea X-reefs along the north edge of the homeowners association's property where the community pier is located. The reef sections will extend out eastward from the 11 reef sections already installed. Small boats will be able to approach it from the north, east, and west. In addition, the community pier is a popular fishing spot for all ages for community residents and their guests. Community estimates over 200 days use annually, with 15 individuals fishing daily, that over 3000 fishing days occur from the pier. Many of this number are small children and senior citizens. The three dimensional reefs will enhance fishing, make an ideal environment for growth of oysters and other sea life, and teach youngsters the joy of recreational fishing

EXPECTED BENEFITS: (Describe how your project directly benefits the average Virginia

recreational angler) Given the number of recreational fishing boats in the waters around Gwynn's Island, it is estimated that over 2500 boats will be able to visit the reef. The pier is a neighborhood asset, but on a regular basis, boats and kayaks from around the area currently fish the adjacent waters and would have access to the area around the reef which is located in public waters. The growth of oysters on the reef have been proven in other locations and it is a known fact that oyster growth enhances cleaning the Bay. Because these reefs are three dimensional, rays and other oyster predators are unable to feed on oysters as easily as two dimensional oyster reefs. Drawing of typical reef is attached.

We also want to give local students attending the Governor’s School from Mathews County, a project they can monitor as part of their school work. Rappahannock Community College has agreed to develop this program with the neighborhood association.

SUMMARY COSTS: (Please attach a detailed budget including all sources of recipient funding)

A. Reef sections 5 ea	\$3200
B. Reef movement to site	\$793.52
C. Barge costs/Movement to site	\$540.00
D. Boom truck/reef install cost	\$756.89
E. Permit. Fees/admin	\$632.11
F. Monitoring Program	\$500.00

Detailed budget with Recipient Funding effort is attached separately,

SUMMARY COSTS

Requested VMRC Funding:	\$4816.89
Recipient Funding:	\$1605.63
Total Costs:	\$6422.52

*This form alone does not constitute a complete application, see application instructions or contact Alicia Nelson at 757-247-8155 or alicia.nelson@mrc.virginia.gov

Estimated Costs

I. Detailed “contribution” from the Property Owner’s Associations

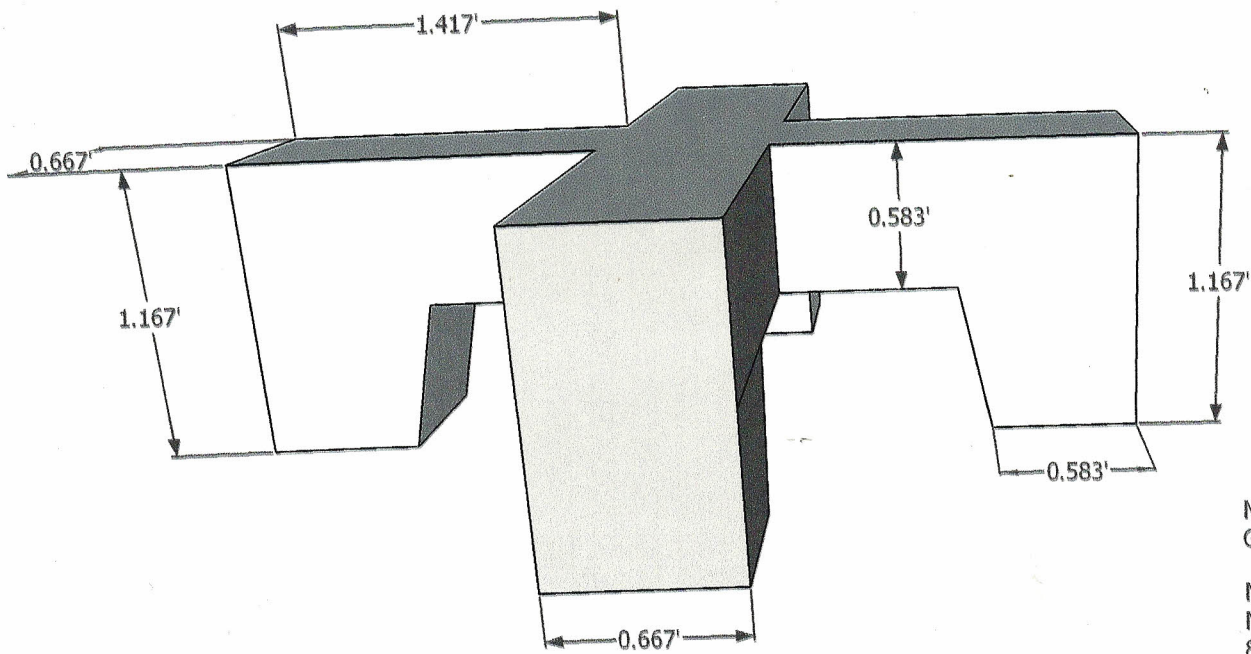
The remaining work, provided equipment, and materials (including the reefs) will be supplied by ReadyReef Inc, a marine contractor licensed in Mathews County and hired by the homeowner’s association.

1. Assist with loading and unloading the X-Reefs from the field they are in to the deployment site. $\$15/\text{hr} \times 2 \text{ people} \times 3 \text{ hrs} = \90 . This cost is included in Line B in the Cost section of the Project Summary Application Form.
2. Donate driver and assistant, pick-up truck and trailer for moving reefs. 3 trips at 12 miles roundtrip each are required. Donation value: \$383.52. This cost is included in Line B in the Cost section of the Project Summary Application Form.
3. Mates for the Barge (spotters/line handlers) for its 12 mile sea trip to the site and at the loading area. $\$15/\text{hr} \times 2 \text{ people} \times 4 \text{ hrs} = \120 . This cost is included in Line C in the Cost section of the Project Summary Application Form.
4. Use of a private yard for staging to a reef: \$200. Includes moving picnic tables, tree trimming and a contingency for lawn repair. This cost is included in Line D in the Cost section of the Project Summary Application Form.
5. Spotters/equipment handlers for Boom Truck work to load directly to the barge from staging yard: $\$15/\text{hr} \times 2 \text{ people} \times 3 \text{ hrs} = \90 . This cost is included in Line D in the Cost section of the Project Summary Application Form.
6. Spotters/material handlers on barge for proper reef alignments during deployment: $\$15/\text{hr} \times 2 \text{ people} \times 3 \text{ hrs} = \90 . This cost is included in Line D in the Cost section of the Project Summary Application Form.
7. Engineer to draft drawings and fill in the Permit application: $\$100 \times 4\text{hrs} = \400 . This cost is included in Line E in the Cost section of the Project Summary Application Form.
8. JPA Fees: \$25 fee + \$75 local paper add. This cost is included in Line E in the Cost section of the Project Summary Application Form.
9. Admin costs: two people driving to VMRC for presentations, postage, phone usage, communications to association membership, etc \$132.11

II. Detailed “contribution” from the ReadyReef Inc

1. Provide 5 shelled reefs for \$640 each. See Summary Cost Item A.
2. Provide field supervisor for 3 hrs (\$30/hr) for loading and unloading. Provide truck with lift crane for loading donated transport trailer (3 hrs x \$50/hr). Provide Boom Truck for unloading (1hr at \$80/hr). See Summary Cost Item B.
3. Provide Barge Operator for 4 hours (\$30/hr). Provide barge for use on site (3hrs x \$100/hr). See Summary Cost Item C.

4. Provide Boom Truck for 3 hrs for loading out barge (\$80/hr). Provide Boom Truck Operator for 3 hrs (\$30/hr). Provide supplies for Boom Truck (\$46.89). Provide Barge Operator for 3 hrs (\$30/hr). See Summary Cost Item D.
5. Hire Ph'd in Marine Biology and Associate for Monitoring Plan. See Summary Cost Item F.



42" W x 14" H X-Reef
@ 250 lbs
Oyster Shell Veneer;
Crack Resistant concrete substrate
with rebar reinforcement

Made for: Cherry Point Home Owners Assoc
Gwynn's Island, VA

Mfgr: ReadyReef Inc
Mathews, VA
804-338-3103



From: [O'Reilly, Rob \(MRC\)](#)
To: [Richard Hill](#)
Cc: [Nelson, Alicia \(MRC\)](#)
Subject: RE: The Biogenic reef project / program on Gwynns Island
Date: Friday, December 12, 2014 9:15:22 AM

Thank you Mr. Hill. I am sharing this with the coordinator of projects, Alicia Nelson.

Rob

From: Richard Hill [mailto:danandcarla1968@gmail.com]
Sent: Friday, December 12, 2014 9:10 AM
To: O'Reilly, Rob (MRC)
Cc: Chris Davis; rotifer@aol.com; Susanne Elison
Subject: Fwd: The Biogenic reef project / program on Gwynns Island

Mr. O'Reilly: I received this email this morning from Sara Beam at Rappahannock Community College. As you know, I submitted a request for consideration of an RFAB grant this past Wednesday and mentioned that we would have some level of participation from the students at the Governors' School. Mrs. Beam has outlined an ambitious program that exceeds even our fondest dreams. This effort is in addition to biannual analysis by Dr. Burke of CNU. I wanted to pass this on to you since I received it after submission of our grant request. This will not change the amount of the request as the students will be unpaid, but it does provide information to Virginia Marine Resources Commission that should prove valuable in learning about sea life in this area. It is also a great vehicle in developing local students' interest in marine biology and give them hands-on experience..

Respectfully,

Dan Hill
President, Cherry Point Property Owners Association

----- Forwardedmessage-----

From: <sbeam@cbgs.k12.va.us>
Date: Thu, Dec 11, 2014 at 1:34 PM
Subject: Re: The Biogenic reef project / program on Gwynns Island
To: rotifer@aol.com, danandcarla1968@gmail.com
Cc: dpollard@cbgs.k12.va.us

Dear Darryl and Dan- Thanks for all of the great information! I am CC'ing my director, Dr. Dianne Pollard, so that she will be aware of this project should any questions arise, and it's good to have her in the loop.

I have been talking to my students and have assembled a great "team" to work with your reef. One of them lives within a mile of your neighborhood, so proximity was part of my thought process. I have three students, all juniors who are Mathews residents, one attends Middlesex High School, as his mom works in the county. They are all outstanding young men and have agreed to my rather rigorous requirements for this project. There will be at least two main projects, one will be assessing the composition of the reef community using a standard quadrat sampling method, identifying and quantifying the fouling organisms on the

reef. My idea is that we will generate species lists of the organisms in the reef, abundance and diversity and we can then statistically compare those data to numbers from natural reefs to demonstrate that the reef is providing habitat comparable to a natural oyster reef system. Something like that... Then another young man is interested in fish, so we thought we could compare the fish population around the reef to that of some sites away from the reef to determine if the structure is having a significant effect on attracting and providing habitat and refuge for fish. Sampling for this is a little trickier and also a bit more fun, we were thinking of using seining sweeps as well as some hook and line surveys of the local fishermen and maybe some fish traps. Dan had said that the neighborhood wanted to attract fish, so that's where I got this idea. Last, one of my students is doing a project on CDOM, or Colored Dissolved Organic Matter, which is a part of marine optics and organic chemistry, he would like to look at how different areas around the Mathews Peninsula vary with respect to CDOM, and he would use this as a site too. He also will help the other fellas and I think they are all just looking forward to having something meaningful to do this summer!

I hope some or all of this resonates with your needs. Please let me know what you think of these ideas and we will take it from there. I really appreciate your collaboration and I am super excited about the prospects for this project! Thank you both so much- Sara

Sara Chaves Beam

Instructor Marine and Environmental Science

Chesapeake Bay Governor's School for Marine and Environmental Science

Glenns Campus-Rappahannock Community College

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Glenns, VA 23149

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www.cbgs.k12.va.us

On Tuesday 09/12/2014 at 1:17 pm, rotifer@aol.com wrote:

Hello

I would like to take a moment to brief you on the CPPOA pier project and thank you for your interest.

The citizens of Cherry Point have initiated a reef program employing innovative technology to benefit from the ecosystem services biogenic reefs historically once provided. Their long term goal is to partner with state and federal entities in

the protection of the Island shoreline and their harbor.

In these first steps, physical and biological data will be collected to represent proof of concept. When quantified, reefs occupying most / all of the water column will prove beneficial in both ecological and economical arenas. What you and your students collect (data) will be greatly appreciated.

The project will likely not have any biological data until spring of 2015. I will be collecting physical data during Winter 2014 /15 as part of the permit requirement on structure stability.

The project has no budget currently for research. Personally, I'm donating my time to assist the community in the much larger program. Grants are an avenue I'm exploring for research and future projects around Cherry Point.

NOAA, NFWF AND USACE's Norfolk district are aware of said project and anticipate the data forwarded to assist them in reef purpose and design. The latest trend is to redesign reefs as a one time solution and provide as many benefits as possible.

Your involvement and any data you / students collect will be forwarded to the above mention federal agencies ----- with your permission of course. I would be happy to include you in any future dialogue concerning said project.

Thank you for you time and interest ----- feel free to contact me if you have any ?'s.

Darryl

[757-503-6264](tel:757-503-6264)