

September 27, 2011

Joe Anderson
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Director

Sue Veith
Ex-Officio

David Waring
Director

Brendan McIntyre | Chesapeake Program Coordinator
National Fish and Wildlife Foundation
1133 15th Street NW, Suite 1100
Washington, D.C. 20005

Subject: Resubmission of grant application with adjustments to \$80,000 request

Dear Brendan,

We are thrilled to remain in the running for a NFWF Chesapeake Small Watershed Grant. At your request, we have revised our scope and objectives to match an \$80,000 request.

Additionally, we have added metrics on nutrient and sediment reduction though we expect much higher reductions long-term. We have been in discussion with three additional builders and developers who have expressed their desire in partnering with us on demonstration model home projects and outreach to other builders, though we have been unable to secure letters of support in a timely fashion. Of these, we have secured a letter of support from Guy Curley of Liberty Homes. Mr. Curley serves as the president of the *Maryland Home Builders Association* and is well positioned to utilize his knowledge and experience in support of our proposal. The *Maryland Home Builders Association* and its local southern Maryland Chapter are a key focus for our project and for additional outreach to their membership about the economic and environmental benefits of LID practices and how to integrate LID into their residential properties starting with model homes.

We have also spoken with and secured verbal support from John Norris Jr., principle with the firm NG&O Engineering Inc. (Leonardtown, MD). Mr. Norris has several potential builders that he is currently working with and he is excited to become a partner in our program. We have also spoken with principles from Curtis Homes (Suitland, MD with satellite office in Lexington Park, MD) who are well into the permitting process for the subdivision St. Mary's Crossing.

Lastly, our oyster restoration programming continues to be very popular and rewarding. Currently with pledges for funding in 2012 from Rotary District 7620, Boeing Global Corporate Citizenship, and Tidewater Dental we foresee this program expanding significantly. We are adding a more scientific and controlled monitoring program in partnership with professors and students at St. Mary's College of Maryland. To date our oyster restoration projects have achieved good success rates with survival rates of >80% over the first year and >65% over two years.

We greatly appreciate the opportunity to modify our grant proposal and hope that you find it to your liking.

Respectfully,



Bob Lewis
Executive Director





Grant Request Information

Title of Project

Ebbing the Flow: LID and Restoration in the St. Mary's River

Total Amount Requested	\$ 80,000.00
Matching Contributions Proposed	\$ 100,500.00
Proposed Grant Period	11/01/2011 - 05/31/2013

Project Description

Over 17,000 additional residents in the next ten years threaten the St. Mary's River. Well implemented low-impact development and a active public is needed to ensure a sustainable future for the River

Project Abstract

The St. Mary's River watershed is projected to receive more new development growth than any other 8-digit watershed in the Chesapeake Bay region. St. Mary's County's primary development district is centered in the St. Mary's River watershed and is expected to add 17,290 additional residents in the next 10 years due to employment growth from base realignment and growth in Homeland Security. The vast majority of residential development occurs under the old Maryland stormwater criteria as most development plans have been in the system for a number of years. Strong partnerships that emphasize well implemented LID practices will be established with the development and business communities as well as the public at large to help prevent the River from going from a river in good condition to a river with a net export of sediment and nutrients to the Chesapeake Bay.

Organization and Primary Contact Information

Organization	St. Mary's River Watershed Association Inc.
Organization Type	Non-profit Corporation 501(c)(3)
Organization Web Address	www.SMRWA.org
Organization Phone	
Street Line 1	
City, State, Country Postal Code	St. Mary's City, Maryland, North America - United States
Region (if international)	
Organization Congressional District	
Tax Status	Under Review - Non-profit
Tax ID	202518203

Primary Contact

Position/Title	Bob Lewis
Street Line 1	Executive Director
	PO Box 94
City, State, Country Postal Code	St. Mary's City, Maryland, North America - United States 20653
Region (if international)	
Phone and E-mail	301-737-2903 x; boblewis@stmarysriver.org

Keywords

Conservation Action; Conservation Threat

Sub-keywords

Action - Land/Water Protection; Threat - Residential & Commercial Development; Threat - Human Intrusions & disturbance; Threat - Pollution

Other Keyword(s)

National Fish and Wildlife Foundation – Chesapeake Bay Small Watershed Grants 2011, Full Proposal (Activity 1

Title: Ebbing the Flow: LID and Restoration in the St. Mary's River

Organization: St. Mary's River Watershed Association Inc.

Conservation Activities LID homes" project	Engage the local homebuilding community to create a demonstration "model
Progress Measures	Other Activity Metric (# of LID practices implemented at the site)
Value at Grant Completion	6
Conservation Activities LID homes" project	Engage the local homebuilding community to create a demonstration "model
Progress Measures	Other Activity Metric (# of prospective homebuyers and homeowners touring the site)
Value at Grant Completion	150
Conservation Activities meeting "green criteria" related to water quality and abatement of runoff	St. Mary's River Watershed endorsement program for new development
Progress Measures	Other Activity Metric (Checklist, criteria and marketing materials created for the program)
Value at Grant Completion	1
Conservation Activities the Baywise neighborhoods model	Development and implement a neighborhood scale rewards program using
Progress Measures and 2 neighborhoods implementing practices)	Other Activity Metric (Creation of a set of standards for the reward program
Value at Grant Completion	1
Conservation Activities the Baywise neighborhoods model	Development and implement a neighborhood scale rewards program using
Progress Measures Baywise status)	Other Activity Metric (# of homeowners adopting BMPs and reaching
Value at Grant Completion	100
Conservation Activities practices into development	Work with the local homebuilding community to more fully integrate LID
Progress Measures	Lbs. of nitrogen reduced from entering the waterways
Value at Grant Completion	80
Conservation Activities practices into development	Work with the local homebuilding community to more fully integrate LID
Progress Measures	Lbs. of phosphorous reduced from entering the waterways
Value at Grant Completion	10

Title: Ebbing the Flow: LID and Restoration in the St. Mary's River

Organization: St. Mary's River Watershed Association Inc.

Project Location Information

Project Location Description	St. Mary's River watershed, which is entirely within St. Mary's County.
Project Country(ies)	North America - United States
Project State(s)	Maryland
Project Congressional District(s)	District 5 (MD)

Permits/Approvals Description

Permits/Approvals Status

Permits/Approvals Agency-Contact Person

Permits/Approvals Submittal-Approval

Date

Minor approval and coordination is expected to be needed associated with the neighborhood and "model" LID practices to ensure County acceptance of these practices. Though it is not likely to be needed due to the small size of LID practices implemented by homeowners, the project team does have experience receiving construction permits from the County expeditiously for LID practices.
Intend to Apply
John Groeger, Deputy Director St. Mary's County Public Works
03/28/2012

	Units	Cost Per Unit	Total
Salaries and Benefits			
Bob Lewis Executive Director	250	\$40.00	\$10,000.00
St. Mary's College Intern	400	\$10.00	\$4,000.00
Total Salaries and Benefits			\$14,000.00
Bob Lewis will lead overall project coordination and reporting and be responsible for the overall success of the project. The intern will provide general support to the achieving the multiple objectives of the project.			
Equipment			
Total Equipment			\$0.00
Contractual Services			
Ecogardens/Low Impact Design Studio	1	\$10,000.00	\$10,000.00
Ridge to Reefs	1	\$26,000.00	\$26,000.00
Jackie Tackas Sea Grant	1	\$4,000.00	\$4,000.00
Construction Contractor for "LID Model Home" Demonstration Project	1	\$21,000.00	\$21,000.00
Total Contractual Services			\$61,000.00
Ecogardens/Low Impact Design Studio will co-lead the business outreach implementation program and co-lead the neighborhood rewards program, fees are \$80 hr Ridge to Reefs will lead the LID Demo project with the Homebuilders, assist with developing incentives for LID above standards and increased tree conservation and reduced land conversion to urban, and lead water quality targeting efforts for septic system upgrades, fees are \$80 hr for Director and \$40 hr for GIS technician and include project travel, MD Sea Grant includes work on a number of key elements of the project - hourly rate is \$39/hr Construction contractor includes excavation, soil amendments, plants etc and are based on a per average cost			
Supplies and Materials			
Monitoring supplies and materials	1	\$1,825.00	\$1,825.00
Supplies for neighborhood/ business reward program	1	\$500.00	\$500.00
Interpretive Display for "LID Model Home"	1	\$1,500.00	\$1,500.00
Total Supplies and Materials			\$3,825.00
Monitoring supplies include sample analysis, sample bottles, other sampling equipment, bacteria analysis supplies etc, Neighborhood/business rewards include supplies toward a neighborhood/business oyster roast or crab feast Interpretive display includes artwork and high quality interpretive signage			
Printing			
Printing of education materials and signage	1	\$800.00	\$800.00
Total Printing			\$800.00
Printing of education materials and signage for endorsement purposes and demonstration projects - utilizing lower cost durable plastic signage			
Travel			
Project Related Mileage	750	\$.50	\$375.00
Total Travel			\$375.00
Local project related mileage for executive director and interns			
Other			
Total Other			\$0.00

National Fish and Wildlife Foundation – Chesapeake Bay Small Watershed Grants 2011, Full Proposal (Activity Metrics)

Title: Ebbing the Flow: LID and Restoration in the St. Mary's River

Organization: St. Mary's River Watershed Association Inc.

Budget Grand Total			\$80,000.00

Title: Ebbing the Flow: LID and Restoration in the St. Mary's River

Organization: St. Mary's River Watershed Association Inc.

Matching Contribution Amount:	\$31,000.00
Type:	In-kind
Status:	Pledged
Source:	Rotary Club District 7620
Source Type:	Non-Federal
Description:	Money for Oyster Restoration Program in the River
Matching Contribution Amount:	\$12,500.00
Type:	In-kind
Status:	Pledged
Source:	Bob Lewis salary for project
Source Type:	Non-Federal
Description:	Project management, administration and program implementation
Matching Contribution Amount:	\$5,000.00
Type:	In-kind
Status:	Pledged
Source:	MD Sea Grant
Source Type:	Non-Federal
Description:	Program implementation includes 26% overhead rate
Matching Contribution Amount:	\$50,000.00
Type:	In-kind
Status:	Intend to Apply
Source:	Rotary Club International
Source Type:	Non-Federal
Description:	\$50,000 for Oyster Restoration in the River 2012/2013
Matching Contribution Amount:	\$2,000.00
Type:	In-kind
Status:	Pledged
Source:	St. Mary's College Student Volunteers
Source Type:	Non-Federal
Description:	At least 40 Student volunteers helping to implement projects
Total Amount of Matching Contributions	\$100,500.00

National Fish and Wildlife Foundation – Chesapeake Bay Small Watershed Grants 2011, Full Proposal (Activity Metrics)

Title: Ebbing the Flow: LID and Restoration in the St. Mary's River

Organization: St. Mary's River Watershed Association Inc.

The following pages contain the uploaded documents, in the order shown below, as provided by the applicant:

Statement of Litigation
Board of Trustees, Directors, or equivalent
Project Site Map
Project Vicinity Map
Letters of Support
CBSWG Full Proposal Narrative
Photos - Jpeg
Other Documents (10 page limit)
Project Site Design

The following uploads do not have the same headers and footers as the previous sections of this document in order to preserve the integrity of the actual files uploaded.

St. Mary's River Watershed Association
Board of Directors 2011
(term expiration in parenthesis)

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Drayden, MD 20630
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c301-481-6350

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c240-577-0754

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Campus Center #1904
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pjriner@smcm.edu

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45888 Bob's Court
Lexington Park, MD 20653
trudolph5@csc.com
c312-636-1253

Patricia "Tricia" Samford (12)
20856 Sandstone Street
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Elaine Szymkowiak (12)
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240-434-2697

Sue Veith (ex officio)
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svjcr@earthlink.net
h 301-373-6250
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David Waring (12)
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Leonardtown, MD 20650
Dwaring@mris.com
c301-481-8148

OFFICERS

President – Joe Anderson
Vice President – Bob Paul
Treasurer – Ray de Leon
Secretary – Todd Rudolph

STAFF

Bob Lewis
Executive Director
19089 Point Lookout Road
Lexington Park, MD 20653
BobLewis@StMarysRiver.org
h301-862-3517
c301-247-6047 (does not work at home or office)

Allison Rugila
Summer Intern
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alrugila@smcm.edu

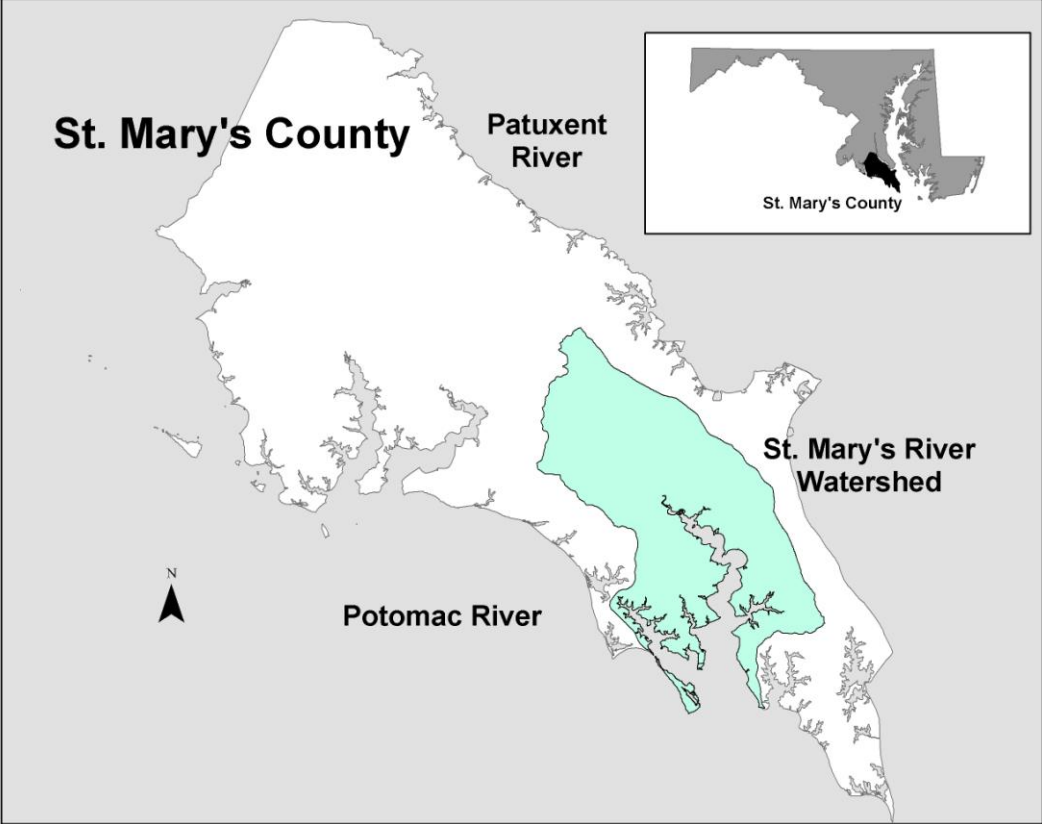
ORGANIZATION

St. Mary's River Watershed
Association
PO Box 94
St. Mary's City, MD 20686
v301-737-2903

info@StMarysRiver.org
<http://smrwa.org>
<http://stmarysriver.org>

HEADQUARTERS

19089 Point Lookout Road
Lexington Park, MD 20653





Statement of Litigation

Instructions: Save this document on your computer and complete. The final narrative should not exceed two (2) pages; do not delete the text provided below. Once complete, upload this document into the on-line application as instructed.

Litigation: In the space provided below, state any litigation (including bankruptcies) involving your organization and either a federal, state, or local government agency as parties. This includes anticipated litigation, pending litigation, or litigation completed within the past twelve months. Federal, state, and local government applicants are not required to complete this section. If your organization is not involved in any litigation, please state below.

St. Mary's River Watershed Association Inc.
PO Box 94
St. Mary's City, MD 20686

Incorporated in Maryland March 3, 2005
Maryland Department of Assessments and Taxation ID # D10508000
Federal EIN: 20-2518203

We are not currently and we have never been involved in any litigation. We do not have any outstanding financial obligations and we have no loans.

I, Bob Lewis, attest to the accuracy of this statement.

A handwritten signature in black ink that reads "Bob Lewis".

Date: June 3, 2011

Bob Lewis
Executive Director
St. Mary's River Watershed Association Inc.

**ST. MARY'S COUNTY GOVERNMENT
DEPARTMENT OF LAND USE
AND GROWTH MANAGEMENT**

*Derick Berlage, AICP, Director
Phillip Shire, Deputy Director*



BOARD OF COUNTY COMMISSIONERS

Francis Jack Russell, President
Lawrence D. Jarboe, Commissioner
Cynthia L. Jones, Commissioner
Todd B. Morgan, Commissioner
Daniel L. Morris, Commissioner

May 19, 2011

Amanda Bassow
National Fish and Wildlife Foundation
Director, Chesapeake Programs
1133 15th Street NW, Suite 1100
Washington, DC 20005

Subject: St. Mary's River Watershed Association (SMRWA) Proposal to NFWF for a Chesapeake Bay Small Watershed Grant

Dear Ms. Bassow:

St. Mary's County supports the St. Mary's River Watershed Association (SMRWA) efforts to advance the implementation of the St. Mary's River Watershed Association Action Plan (SWAP). We have been told that the SWAP to be completed this year will meet EPA's A-I criteria and will guide SMRWA efforts to assist the County in meeting Bay TMDL and WIP goals and keep key pollutants from reaching the Chesapeake Bay and its tributaries. SMRWA has been working on a local level to protect and improve watersheds in the Chesapeake Bay basin and to build citizen-based resource stewardship through development of the SWAP, a citizen-based oyster restoration program, and general and targeted watershed education and outreach efforts.

The current proposal is for implementation of low impact development practices and other innovative stormwater management practices to minimize the water quality impacts in both existing and new development by working with land managers and developers to provide demonstration sites and rework existing plans to retain stormwater on-site through installation of stormwater management practices such as bioretention and rain water harvesting. The dual focus on existing and new development in this watershed is critical. The St. Mary's River watershed contains the County's most dense and urban development much of which was developed prior to stormwater management regulations. Mary's County is the fastest growing county in Maryland and this watershed contains the County's largest planned growth area which is targeted to receive more than 50% of the County's projected residential and commercial growth.

St. Mary's County has been and intends to continue to be a strong partner in the SMRWA effort. Staff from the Department of Land Use and Growth Management and from the Department of Public Works and Transportation has participated in the technical advisory committee in the formation of the Action Plan. As the effort shifts from planning to implementation, both departments stand ready to assist in permitting and planning activities that will help reduce the

impacts from existing and future development. We support funding for the SMRWA proposal which we view as a component of County efforts to meet WIP and TMDL water quality goals.

Sincerely,

A handwritten signature in black ink, reading "Derick Berlage". The signature is written in a cursive style with a long, sweeping underline that extends to the right.

Derick Berlage
Director



22501 Iverson Drive
Great Mills, MD 20634
(301) 862-5246 FAX (301) 862-9552
www.libertyhomebuilder.com

May 26, 2011

Amanda Bassow
National Fish and Wildlife Foundation
Director, Chesapeake Programs
1133 15th Street NW, Suite 1100
Washington, DC 20005

RE: Letter of Support For The St. Mary's River Watershed Association's Proposal to NFWF for a Chesapeake Bay Small Watershed Grant

Dear Ms. Bassow:

Liberty Home Builder Inc. enthusiastically supports the St. Mary's River Watershed Association's (SMRWA) efforts to advance the implementation of the **St. Mary's River Watershed Action Plan (SWAP)**. The SWAP will meet the EPA's A-I criteria and sets the Association on task to meet Chesapeake Bay TMDL and WIP goals for the St. Mary's River watershed which will keep key pollutants from reaching the Chesapeake Bay. The focus of this plan on new development projected to occur in the St. Mary's River watershed is critical, since it contains much of the largest designated growth area (Lexington Park Development District) in St. Mary's County, the fastest growing county in Maryland.

St. Mary's County Government is a strong partner in this effort and has participated on the technical advisory committee for the formation of the Action Plan, and is willing to assist in permitting and planning activities to help reduce the impacts from future development.

Liberty Home Builder Inc. is honored to be under consideration as a partner in developing a project with zero runoff, utilizing a variety of LID practices. Some of our current projects have been designed using NAHB Green Building Standards and using green infrastructure development designs. In addition we have an existing development near the headwaters of a tributary that flows into the St. Mary's River. There are a couple of Storm Water Management devices that may be good candidates to upgrade and showcase some newer LID tools.

Sincerely,

Edward Curley III, President

United States Senate
Washington, DC 20510-2004

May 24, 2011

Ms. Amanda Bassow
Director
Chesapeake Programs
National Fish and Wildlife Foundation
1133 Fifteenth Street, N.W.
Suite 1100
Washington, D.C. 20005

Dear Ms. Bassow:

It has come to my attention that the St. Mary's River Watershed Association is applying for a Small Watershed Grant from the National Fish and Wildlife Foundation. If this application is successful, funds will be used to continue efforts to develop and implement a St. Mary's River Watershed Action Plan.

The St. Mary's Watershed Action Plan will meet the EPA's A-I criteria. This plan would set the Association on task to meet Chesapeake Bay TMDL and WIP goals for the St. Mary's River watershed which will keep pollutants from reaching the Chesapeake Bay. The focus of this plan on new development projected to occur in the St. Mary's River watershed is critical since it contains much of the largest designated growth area, the Lexington Park Development District, in St. Mary's County.

St. Mary's County government is a strong partner in this effort and has participated on the technical advisory committee for the formation of the Action plan. It is willing to assist in permitting and planning activities to help reduce the impacts from future development.

I respectfully request that you give full consideration to the application of the St. Mary's River Watershed Association, in accordance with established policies and procedures. Thank you very much.

Sincerely,



Benjamin L. Cardin
United States Senator

BLC:mp

Reply To:

509 Hart Senate Office Building
Washington, DC 20510-2004
(202) 224-4524
www.cardin.senate.gov

Reply To:

Tower 1 Suite 1710
100 S. Charles Street
Baltimore, MD 21201
(410) 962-4436



Congress of the United States
House of Representatives
Washington, DC 20515-6502

May 20, 2011

Ms. Amanda Bassow
National Fish and Wildlife Foundation
Director, Chesapeake Programs
1133 15th Street NW, Suite 1100
Washington, DC 20005

Dear Ms. Bassow:

It is my understanding that the St. Mary's River Watershed Association (SMRWA) will soon apply for NFWF grant funding to help enable the implementation of the St. Mary's River Watershed Action Plan. I am writing to urge your full and appropriate consideration of this application.

The St. Mary's Watershed Action Plan will meet the EPA's A-I criteria and provides a framework for the Association to meet Chesapeake Bay TMDL and WIP goals for the St. Mary's River watershed. The plan will focus on new development projected to occur in the St. Mary's River watershed, including much of the largest designated growth area (Lexington Park Development District) in St. Mary's County. It is important to note that the St. Mary's County Government has also been a partner in this effort.

Again, I would appreciate your careful review of this grant application, consistent with all appropriate guidelines and regulations. Thank you for your attention to this matter. With kindest regards, I am

Sincerely yours,

A handwritten signature in black ink, appearing to read "Steny Hoyer", written over a printed name.

STENY H. HOYER



UNIVERSITY OF
MARYLAND
EXTENSION

Solutions in your community

Jacqueline U. Takacs
Watershed Restoration Specialist
Maryland Sea Grant Extension
10515 Mackall Road
Saint Leonard, MD 20685
TEL 240-393-6508
takacs@mdsg.umd.edu

June 3, 2011

National Fish and Wildlife Foundation,

It is my pleasure to write a letter in support of the proposal: "Ebbing the Flow: LID and Restoration in the St. Mary's River" being submitted to NFWF by Mr. Robert Lewis from the St. Mary's River Watershed Association. As the Watershed Restoration Specialist, Senior Agent (tenured), for the University of Maryland Sea Grant Extension Program (SGEP), Maryland Cooperative Extension (MCE) and adjunct faculty at St. Mary's College of Maryland, I am charged with organizing, conducting, and evaluating programs in watershed management and restoration within Southern Maryland.

I would like to comment on my willingness to collaborate with Bob on various aspects of this project. Specifically, my participation in the project will include the development checklist, lid demo project with the homebuilders, and neighborhood outreach.

I believe to successfully meet our TMDL goals, local partners need to work together to minimize the impact of new development and to reduce impact of old development – engaging and educating stakeholders along they way. Should you have any specific questions about how I will be assisting on this project, please do not hesitate in contacting me at 240-393-6508 or takacs@mdsg.umd.edu.

Sincerely,

Jacqueline U. Takacs
Watershed Restoration Specialist

June 3, 2011

Ms. Amanda Bassow
National Fish and Wildlife Foundation
Director, Chesapeake Programs
1133 15th Street NW, Suite 1100
Washington, DC 20005

Dear Ms. Bassow:

I support the St. Mary's River Watershed Association's (SMRWA) efforts to advance the implementation of the **St. Mary's River Watershed Action Plan** (SWAP). The SWAP will meet the EPA's A-I criteria and sets the Association on task to meet Chesapeake Bay TMDL and WIP goals for the St. Mary's River watershed which will keep key pollutants from reaching the Chesapeake Bay. The focus of this plan on new development projected to occur in the St. Mary's River watershed is critical, since it contains much of the largest designated growth area (Lexington Park Development District) in St. Mary's County, the fastest growing county in Maryland.

St. Mary's County Government is a strong partner in this effort and has participated on the technical advisory committee for the formation of the Action Plan, and is willing to assist in permitting and planning activities to help reduce the impacts from future development.

Thank you for consideration of this request.

Sincerely,

John L. Bohanan, Jr.
Delegate, District 29B



Chesapeake Bay Small Watershed Grants Full-proposal Project Narrative

Instructions: Save this document on your computer and complete the narrative in the format provided. The final narrative should not exceed five (5) pages. Please retain the outline format below, but you may delete the instructions associated with each element. Once complete, upload this document into the on-line application as instructed.

A. Objectives:

The project focuses primarily on the *Improving Stormwater Management* Conservation Objective by addressing stormwater management in existing neighborhoods and businesses and by reducing the impact of future development by improving LID practice and policies to minimize the impact on the St. Mary’s watershed from tremendous projected growth. Key strategies of the Small Watershed Grant (SWG) are also addressed by improving LID implementation and improving codes and policies that promote effective LID. Our objectives are as follows:

Objective	Output	Outcome
1) Engage the local homebuilding business community through the Southern Maryland Home Builders Association to find a demonstration project for integration of LID/Green Infrastructure practices into a new development	Apply a minimum of 4-6 LID/GI practices at a development site	Ability have a local project that developers and the public can see that helps develop a high level of effective implementation and marketing of these practices
2) St. Mary’s River Watershed endorsement program for new development meeting a set of “green” criteria” particularly related to water quality and abatement of runoff	Develop a checklist and criteria for a development to be included in the program	More coordination between the environmental and development community
3) Develop and implement a “neighborhood scale” rewards program for conservation practices in existing neighborhoods and communities Baywise neighborhoods	Creation of a set of standards for rewards program and the implementation of conservation practices such as rain gardens, forest buffers and neighborhood forest plans, in at least 1-2 neighborhoods.	Increased implementation of conservation practices at the local level in St. Mary’s
4) Calculated load reduction associated with project implementation	Defined load reductions of implementation benefits based on Bay model criteria	Ability to track progress toward meeting WIP goals
5) Identify neighborhoods and define locations on the river where septic systems are impacting nearshore water quality and provide septic system upgrade outreach to these areas	Use nearshore water quality surveys to isolate neighborhoods and locations for outreach for septic upgrades (methods have been used in tidal areas to identify failing/poorly performing individual and community septs)	Prioritized list of septic system upgrades based on nearshore water quality data – e. coli, Chlorophyll A, TN, TP, <i>Bifidobacterium adolescentis</i> (human fecal indicator) and ammonia

B. Priority and Overall Context:

The St. Mary’s River watershed is projected to receive more new development growth than any other 8-digit watershed in the Chesapeake Bay region. St. Mary’s County’s primary development district is centered in the St. Mary’s River watershed and is expected to add 17,290 additional residents in the next 10 years due to employment growth from base realignment and growth in the Department of Homeland Security. The vast majority of development occurs under the old Maryland stormwater criteria because most residential development plans have been in the system for a number of years. A watershed plan, meeting EPA’s A-I criteria, is currently under development and will be completed before the end of 2011 – this document will serve as the local WIP for the watershed and will be incorporated into the greater countywide WIP. Initial key observations suggest that new development will likely compromise the assimilative capacity of streams to process nutrients and trap sediment and that the St. Mary’s River could go from a river in good condition to a river with a net export of sediment and nutrients to the Chesapeake Bay. In addition, the watershed is threatened by aging septic systems that leach nitrogen into creeks and tidal waters. Even while experiencing considerable threats and pressures from development, portions of the watershed remain strongholds for a number of rare and sensitive species and the tidal waters still support key habitat for juvenile fish, oysters and blue crabs. As part of the recovery and restoration efforts, this project attempts to:

- engage the development community within the watershed to effectively integrate green infrastructure (GI) and low impact development (LID) practices into their development framework
- engage at least 2-3 existing neighborhoods in a *River Rewards* program – engaging the community in efforts that may include rain gardens, rain barrels, neighborhood forestry plans, stream buffers, lawn care workshops – in general ways to reduce the impact of urban land use on the River
- provide support to communities in the form of assistance with rain garden design and construction, neighborhood forestry and buffer plans
- target septic system upgrades based on near shore water quality data to determine “hotspot” or focus areas for impaired water quality
- marry successful upland restoration and protection efforts with an on-going, successful oyster restoration program led by SMRWA that expects to add 6 acres of oyster beds and 12 million oysters over 6 years. More than 2 million oysters have been planted in the last 14 months.

C. Work Plan:

Activity	Responsible Party	Schedule for Completion
Engage the local homebuilding business community through working with the head of Southern Maryland Home Builders Association and several other local developers to find a demonstration project for integration of LID/Green Infrastructure practices into a new development	RTR/ SMRWA/MD Sea Grant	January – September 2012
Identify neighborhoods and define locations on the river where septic systems are impacting nearshore water quality and provide septic system upgrade outreach to these areas	RTR/ St. Mary’s College/SMRWA	April/May 2012
St. Mary’s River Watershed endorsement program for new development meeting a set of “green” criteria” particularly related	MD Sea Grant /SMHBA/ /SMRWA/RTR	September 2012

Activity	Responsible Party	Schedule for Completion
to water quality and abatement of runoff		
Develop and implement a “neighborhood scale” rewards program for conservation practices in existing neighborhoods and communities Baywise neighborhoods	Ecogardens LLC /SMRWA/Sea Grant/ RTR	October 2012
Calculated load reductions associated with project implementation	RTR	January 2013

D. Monitoring and Measuring Performance:

We have defined numerical targets or specific deliverables for each of our conservation objectives shown in Part A Objectives – these objectives will be reinforced and progress reported in each of the Quarterly Meetings of our Core Technical Team that has been established during the creation of the Small Watershed Action plan currently under development. This includes members from the county stormwater and planning departments, members of the business community, St. Mary’s College professors, Soil Conservation District personnel and our technical service providers. This will be expanded to include members of neighborhood associations and the development community.

E. Community-based Collaboration/Partnership:

Collaboration will be a central part of this project – in order to effectively minimize the impact of 17,000+ additional people in the watershed there will need to be a strong collaboration between the development community, SMRWA, and St. Mary’s County. The outreach process with neighborhoods and businesses will be led by SMRWA and University of Maryland Sea Grant Extension and involve engaging the community through neighborhood associations and door-to-door on a neighborhood scale. Two neighborhood implementation plans will be developed. Four technical Core Team meetings will also help to guide overall implementation, provide progress updates, and promote communication among key players – including St. Mary’s County, MD Sea Grant, Ridge to Reefs, SMRWA, development community, St. Mary’s Soil Conservation District, St. Mary’s College of Maryland, St. Mary’s Health Department, and neighborhood associations. The Core Team will represent a broad array of watershed stakeholders, including the agricultural community, homeowners, and federal and state agencies involved in managing land based sources of pollution.

The Core Team holds the technical expertise to guide the process, develop consensus around approaches to implementation and policy changes for new and existing development efforts and strategies and assistance in the implementation of these strategies.

F. Partner Justification:

UMD Maryland Sea Grant Extension’s Watershed Restoration Specialist, **Jacqueline Takacs**, works in cooperation with other MCE Extension agents, regional and departmental specialists, and various local, state and federal agencies to organize, conduct, and evaluate programs in watershed management and restoration within Southern Maryland, the state of Maryland, and the Mid-Atlantic Region. Specifically, Takacs provides assistance in: helping local and county governments and NGOs plan, implement and monitor projects that lead to quantifiable reduction in nonpoint sources of pollution; developing partnerships among local governments and organizations in order to reduce duplication of efforts and build capacity; implementing on-the-ground projects that result in measurable improvements in water quality and wildlife habitat on a small watershed scale; conducting educational workshops and training programs for students, teachers and citizens; and realizing funding opportunities for watershed planning and implementation.

Founded in 2004, the **St. Mary’s River Watershed Association (SMRWA)** is a one thousand member non-profit serving the Chesapeake Bay region. SMRWA is a science-based organization with a strong social and

economic research component. Prior to its formal incorporation, the group researched and developed a subwatershed plan for the Hilton Run, which was funded by a NFWF Small Watershed grant (2002).

In 2008, SMRWA and SMCM received funding from the Chesapeake Bay Trust (CBT) and Department of Natural Resources (DNR) respectively, to collect environmental data and develop a WRAS for the entire St. Mary's River watershed (16 subwatersheds). Data collection, analysis and reporting were conducted by SMCM in the summer of 2008 with DNR funding and supplemental funding from CBT. These efforts resulted in the following reports:

- *St. Mary's River Stream Corridor Assessment and Tidal Shoreline Survey*
- *St. Mary's River Watershed Synoptic Survey*
- *St. Mary's River Water Quality Assessment*

These reports can be found at <http://www.stmarysriver.org/documents.html#reports> and will help form the technical basis of the watershed plan.

The final document of the WRAS, now being developed by the Center for Watershed Protection, will fulfill the requirements of an EPA watershed plan and will be completed in late 2011.

SMRWA is led by **Bob Lewis**, its less than half-time Executive Director who logs more than 40 hours a week, Bob retired at a young age after running a number of successful businesses including a non-profit fundraising business and a homebuilding firm. He and SMRWA have successfully led workshops (tree planting, rain gardens, rain barrels, native plants, etc.), lectures, debates, a symposium, fundraisers, and an annual waterfront festival--RiverFest. SMRWA has two staff, a working board of sixteen, and a roster of more than 250 volunteers.

Last year SMRWA launched a 6-year effort to rebuild oyster reefs in the *newly legislated St. Mary's River oyster sanctuary*—the goal is to plant 12 million oysters and restore 6 acres of reefs. This project has been primarily funded by corporate grants (Boeing, Constellation Energy) and family donations. In 2010 with a budget of \$22,000, we restored ½ acre of historic oyster habitat and seeded the area with one million one-year-old spat-on-shell. We are on schedule to complete another ½ acre this year with a budget of \$23,000. In 2012 we anticipate that we will more than double our oyster restoration effort with a generous grant from Rotary International and ongoing grants from Tidewater Dental and Boeing. SMRWA oyster restoration projects now engage more than 175 volunteers with hands-on activities and provide ample opportunity to grow green infrastructure on the neighborhood level—beginning at the shoreline where impacts are greatest.

St. Mary's College brings a strong scientific understanding of the watershed and the tidal water quality and water resources to the project. The students have been engaged in collecting water quality and biological information in the watershed. This next generation of watershed professionals will be engaged in the project by supporting GIS, planning and designing restoration projects, and providing field assessments of potential retrofits and pollution prevention devices.

Paul Sturm, Ridge to Reefs (RTR) Paul recently formed Ridge to Reefs Inc. as a non-profit corporation and is currently working on federal IRS non-profit 501C3 status. Paul was a former Director/Biologist for Center for Watershed Protection where he spent 11 years working on watershed plans, implementation projects and code changes in the Chesapeake Bay watershed and around the Country, prior to that he spent 6 years researching the effectiveness of agricultural and urban BMP's. Paul has helped watershed groups write grants and implement watershed plans and has helped watershed groups craft proposals to receive over \$1M in funding for implementation and outreach efforts over the past 3 years. He has also worked closely with NRCS, NOAA, EPA, and FWS to implement a priority watershed plan in Puerto Rico for the US Coral Reef Task Force. Thus far more than \$3.5M has been allocated for restoration in the watershed. Paul will offer technical and outreach support, lead aspects of planning LID practices at home sites and lead water quality targeting efforts for more cost and nutrient reduction effective septic outreach.

Ecogardens, LLC/LowImpact Design Studio: Mel Wilkins, EcoGardens LLC, is founding member of Spa Creek Conservancy and City of Annapolis Back Creek Nature Park consultant, was awarded the distinguished 2004 Ellen Fraithe Wagner Award from the Chesapeake Bay Trust. The award recognizes a Maryland citizen for his or her exceptional contributions to the protection and restoration of the Chesapeake Bay and its rivers. In addition to acting as a watershed restoration and mitigation project developer and manager for over ten years, Mr. Wilkins has obtained over \$1,500,000 in private grant funding for in-ground projects in the Annapolis watershed. He has executed numerous Best Management Practices, including a green roof, wetland restoration, living shorelines at Back Creek Nature Park, and has designed award-winning ecologically sensitive gardens. The **Low Impact Design Studio** is a small, women-owned firm with a focus on sustainable site design solutions. The firm specializes in environmental site design (ESD, LID) in landscape engineering, architectural landscape design, and native landscape design with a concentration on innovative stormwater management strategies, including bioretention (rain gardens), permeable paving, water harvesting & reuse, and native landscaping. **Anne Guillette** has worked directly with national LID and stormwater experts and has been a speaker at state and national LID Conferences and international forums. Ms. Guillette has served on numerous DC environmental councils, green roof and urban tree task forces, and advisory boards. A LEED Accredited Professional and former USGBC-NCR Board Member, Ms. Guillette has authored LID reference materials & publications. She serves as a Board member of the Chesapeake Stormwater Network.

G. Dissemination:

We will develop a web and technology based communications strategy utilizing web, social networking, email and direct mailings to disseminate information as well as engage stakeholders. Core Team documents and stakeholder (agenda, minutes, presentations) will be posted to SMRWA's website. Presentations will be made at venues including: annual Watershed Forum in WV, annual MD Water Monitoring Council Workshop and other appropriate venues such as board of county commissioner, planning board meetings, and chamber of commerce meetings. A special effort will be made to reach the broader Homebuilding and Development Community through the Southern Maryland Homebuilders Association or the Home Builders Association of Maryland (HBAM) with the economic, environmental and marketing benefits of a LID and green infrastructure approach. An event will also be held at the demonstration site – “model” homes with LID practices to reach the developer, builder, contractor, realtor and public at large.

H. Budget Impacts:

If this project were funded at 20% below the requested amount it is likely one of the programs would be cut either the business retrofits or the homeowner outreach program as well as the green development endorsement program.

September 27, 2011

Joe Anderson
President

Robert Paul
Vice President

Todd Rudolph
Secretary

Raymond de Leon
Treasurer

Captain Will Gates
Director

John Giusti
Director

Richard Holden
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Patricia Samford
Director

Elaine Szymkowiak
Director

Scott Taylor
Director

Sue Veith
Ex-Officio

David Waring
Director

Brendan McIntyre | Chesapeake Program Coordinator
National Fish and Wildlife Foundation
1133 15th Street NW, Suite 1100
Washington, D.C. 20005

Subject: Resubmission of grant application with adjustments to \$80,000 request

Dear Brendan,

We are thrilled to remain in the running for a NFWF Chesapeake Small Watershed Grant. At your request, we have revised our scope and objectives to match an \$80,000 request.

Additionally, we have added metrics on nutrient and sediment reduction though we expect much higher reductions long-term. We have been in discussion with three additional builders and developers who have expressed their desire in partnering with us on demonstration model home projects and outreach to other builders, though we have been unable to secure letters of support in a timely fashion. Of these, we have secured a letter of support from Guy Curley of Liberty Homes. Mr. Curley serves as the president of the *Maryland Home Builders Association* and is well positioned to utilize his knowledge and experience in support of our proposal. The *Maryland Home Builders Association* and its local southern Maryland Chapter are a key focus for our project and for additional outreach to their membership about the economic and environmental benefits of LID practices and how to integrate LID into their residential properties starting with model homes.

We have also spoken with and secured verbal support from John Norris Jr., principle with the firm NG&O Engineering Inc. (Leonardtown, MD). Mr. Norris has several potential builders that he is currently working with and he is excited to become a partner in our program. We have also spoken with principles from Curtis Homes (Suitland, MD with satellite office in Lexington Park, MD) who are well into the permitting process for the subdivision St. Mary's Crossing.

Lastly, our oyster restoration programming continues to be very popular and rewarding. Currently with pledges for funding in 2012 from Rotary District 7620, Boeing Global Corporate Citizenship, and Tidewater Dental we foresee this program expanding significantly. We are adding a more scientific and controlled monitoring program in partnership with professors and students at St. Mary's College of Maryland. To date our oyster restoration projects have achieve good success rates with survival rates of >80% over the first year and >65% over two years.

We greatly appreciate the opportunity to modify our grant proposal and hope that you find it to your liking.

Respectfully,



Bob Lewis
Executive Director



ST. MARY'S RIVER WATERSHED ASSOCIATION INC.

ANTI-DISCRIMINATION POLICY

The St. Mary's River Watershed Association is committed to equal opportunity for all persons without regard to sex, age, race, color, religion, creed, national origin, marital status, disability or sexual orientation. It is the policy of the St. Mary's River Watershed Association to comply with all federal, state and local laws and regulations regarding equal opportunity. In keeping with that policy, the St. Mary's River Watershed Association is committed to maintaining a work and volunteer environment that is free of unlawful discrimination and harassment. Accordingly, the St. Mary's River Watershed Association will not tolerate unlawful discrimination against or harassment of any of our employees, volunteers, or others present at our facilities, events, and meetings by anyone, including any supervisor, co-worker, vendor, client, or constituent of the St. Mary's River Watershed Association.

ADOPTED DECEMBER 4, 2010
BY A UNANIMOUS VOTE OF THE BOARD OF DIRECTORS

Conflict of Interest Policy for the Saint Mary's River Watershed Association

Adopted as of October 3, 2009 by a unanimous vote of the Board of Directors

1. Purpose

The purpose of this conflict of interest policy is to protect the interests of the Saint Mary's River Watershed Association (the "Association") when it contemplates entering into a transaction or arrangement with a Covered Person, as defined below. Potential conflicts of interest may arise when a Covered Person has an Affected Interest (as defined below) that is or appears to be adverse to the interests of the Association and if the Covered Person is in a position to influence a decision of the Association in such a way that it will or might appear to benefit the Covered Person. This conflict of interest policy is intended to supplement but not replace any applicable state and federal laws governing conflict of interest applicable to nonprofit organizations.

2. Definitions

Covered Person: A Covered Person is any director, member of a committee with powers delegated by the Board of Directors, employee, or other person in a position to exercise substantial influence over the affairs of the Association, regardless whether such person is compensated by the Association.

Affected Interest: An Affected Interest means:

- a. a direct or indirect interest or control, either actual or potential in any entity (whether organized and operated for profit or a non-profit) with which the Association has entered into or is considering a transaction or arrangement;
- b. compensation, either direct or indirect, by the Association or by any entity or individual with which the Association has entered into a transaction or arrangement; or
- c. any relationship through which the person is in a position to exercise influence over the affairs of a person or entity with which the Association has business transactions or a programmatic arrangement.

3. Procedures

Duty to Disclose. A Covered Person may not enter into a transaction or arrangement with the Association unless the facts of that person's Affected Interest have been fully disclosed to the Board of the Association.

Determining if a Conflict of Interest Exists. An Affected Interest is not necessarily a conflict of interest. After disclosure of the Affected Interest and all material facts to the Board of the

Association, the Covered Person shall leave the Board's meeting while the potential conflict of interest is discussed and voted upon by the disinterested members of the Board to determine whether an impermissible conflict of interest exists and whether or not to enter into the transaction or arrangement that involves the Affected Interest of the Covered Person.

Receipt of Gifts. No Covered Person may accept any substantial gifts or other favors under circumstances that might lead to the inference that the gift or favor was intended to influence the Covered Person's decision-making while serving the Association.

4. Compensation

If the Association enters into a transaction or arrangement with a Covered Person, such transaction or arrangement will be reported in the Association's Form 990 and other filings, as required.

A member of the Board of Directors who receives compensation, directly or indirectly, from the Association for any services will not vote on matters pertaining to that member's compensation.

5. Annual Disclosure Statements

When first becoming involved with the Association, each Covered Person shall prepare and sign a Conflict of Interest Disclosure Statement, acknowledging that he or she:

1. Has received a copy of the conflict of interest policy,
2. Has read and understands the conflict of interest policy,
3. Agrees to comply with the conflict of interest policy, and
4. Understands the Association is a non-profit and in order to maintain its federal tax exemption must engage primarily in activities which accomplish one or more of its tax-exempt purposes.

5. Periodic Reviews

To ensure the Association operates in a manner consistent with its tax-exempt purposes and does not engage in activities that could jeopardize its tax-exempt status, periodic conflict-of-interest reviews will be conducted by the Board of the Association.

Conflict of Interest Disclosure Statement
for the St. Mary's River Watershed Association

Please answer all questions to the best of your knowledge. If you have nothing to report, answer "no" or "not applicable." A "yes" does not necessarily imply that the transaction or activity you describe is improper or that it should be terminated. Please include existing as well as potential activities or transactions in your answers.

I hereby certify to the Association that I have read its Conflict of Interest Policy adopted by the Board of Directors on _____, 2009 (the "Policy"); that I understand its provisions; and that I agree to be bound by them, to disclose to the Board any Affected Interests as defined in that policy, and to update this disclosure statement periodically as required by the Board.

1. What is your relationship to the Association?

2. Were there any financial transactions between you and the Association during the past 12 months, or do you reasonably expect any such financial transaction to take place in the future?

Yes

No

If yes, please list such transactions below, including employment with the Association and/or the provision of goods or services to the Association:

3. Are you employed or compensated by any entity or person with which the Association now has or may reasonably be expected to have a financial or programmatic arrangement?

Yes

No

If yes, please list the entities, including non-profit entities, or persons:

4. Do you serve on the board of directors or are you in a position to exercise substantial influence over the affairs of any entity with which the Association now has or may reasonably be expected to have a financial or programmatic arrangement?

Yes

No

If yes, please list the entities:

During the past 12 months, have you received any substantial gifts (including payments, discounts, rebates, entertainment, travel, or other personal benefits) valued at more than \$100 from persons or entities with which the Association has entered into or is considering a transaction or which otherwise might be affected in any material way by the Association's work?

Yes

No

If yes, please list the gifts, including an estimated dollar value.

The statements provided by me in this Conflict of Interest Disclosure Statement are accurate and complete to the best of my knowledge. I will promptly notify the Board of the Association of any changes in these statements which may occur in the future.

Date: _____

By:

(signature)

(printed name)