

# 2005 - 2006 Biennial Report













## Background & Introduction

Beginning in 2002, a group of people gathered together in order to advocate for the St. Mary's River. They studied a subwatershed—the Hilton Run. In 2004 with funding from the National Fish and Wildlife Foundation, they published a *Management Plan for the Hilton Run Subwatershed*.

http://www.smrwa.org/pub HiltonRunPlan.html

The St. Mary's River Watershed Association was incorporated in March of 2005 and elected its first Board of Directors in April that year. Nancy McAllister became the organization's first president. In March of 2006, the Association was granted non-profit status under section 501 (C)(3) of the Internal Revenue Code.

The Association protects, improves and promotes the wellbeing of the St. Mary's River watershed in ways that also revitalize the economic, social, and cultural health of the community.

The Association strives to establish a sustainable and beneficial relationship between the ecology of the St. Mary's River and the communities in the watershed.

#### **Board of Directors**

- Frank Allen
- Joe Anderson
- George Baroniak
- Raymond de Leon
- Will Gates
- Cindy Greb
- Richard Holden
- Gary Hunt
- Nancy McAllister
- Bob Paul
- Joan Poor
- Roger Stone
- Elaine Szymkowiak
- David Waring
- Gary Williams
- Linda Williams

#### Part Time Staff

- Bob Lewis
- Henry Bush
- Abby Meatyard (until September 2006)



Boating on the tidal St. Mary's River

#### Mission:

To **Protect**, **Improve**, and **Promote** the wellbeing of the St. Mary's River Watershed through the collaborative efforts of economic, agricultural, environmental, social, cultural, and political stakeholders in the community.

#### Standing Committees—Chairpersons

- Membership—Ray de Leon 240-737-
- Public Policy—Joe Anderson 301-737-8125
- Backyard Conservation—Frank Allen 301-862-3421
- RiverFest—Abby Meatyard

#### Task Forces

- Strategic Planning—Gary Hunt
- Financial Planning—Richard Holden

#### Oyster Recovery Assessment Project

- Roger Stone—Project Leader
- Bob Paul—Professional Advisor
- Henry Bush—Research Coordinator



### The Watershed

wa•ter•shed - [waw-ter-shed, wot-er-shed]
the region or area drained by a river, stream, etc.; drainage area.

Random House Unabridged Dictionary, © Random House, Inc. 2006

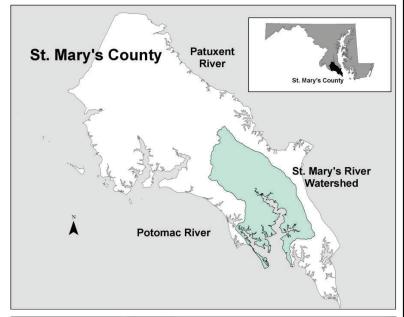
The 73.78 square mile St. Mary's River Watershed encompasses almost a quarter of St. Mary's County's 296 square miles. Over 100 miles of streams in 16 subwatersheds drain into the St. Mary's River before the river becomes tidal at Tippity Witchity Island. Other small streams give their freshwater directly to the tidal estuary.

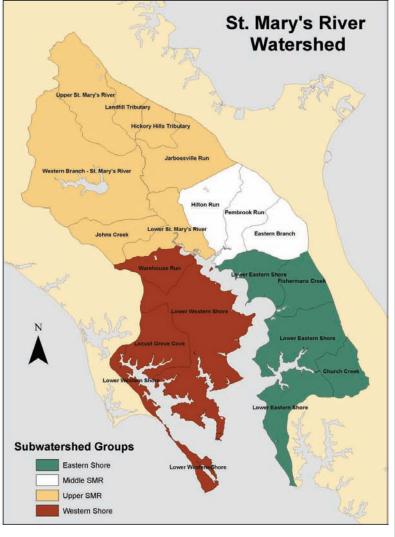
The estuary extends downstream from the island for about another eight miles before emptying into the Potomac River. The watershed extends from the Route 4 and Route 235 intersection south to St. George's Island and Kitt's Point at the mouth of Smith creek.

Nearly half of the St. Mary's County population - 46,000 people - live within the St. Mary's River watershed. Development in the Lexington Park development district and along Route 235 corridor to California has been intensive in recent years, with resulting threats to its environmental health, particularly as a result of a rapid increase in paved or otherwise impervious surfaces making the river run faster and dirtier. Although the environmental quality of the St. Mary's River and its tributaries remains generally good, inappropriate management could lead to rapid deterioration with adverse economic as well as environmental consequences.

Visit us on the web: www.SMRWA.org

Illustrations Courtesy St. Mary's River Project.





### Research

The St. Mary's River Project (SMRP), an ongoing data collection and study of the river hosted by St. Mary's College of Maryland, did not contain a component whereby the data was utilized to support regional land use planning or for comprehensive educational outreach to the watershed community. Members of SMRP and the community gathered in order to fill this need—hence the St. Mary's River Watershed Association was born. The Association continues to support and to pursue research and outreach projects in concert with SMRP.

In 2005 and 2006, Association members in partnership with the Maryland Department of Natural Resources sampled non-tidal streams in the watershed. Utilizing Chesapeake Bay Program methodology, insects (bugs in larval stage) are gathered from the streams and analyzed in the lab in order to determine specie, abundance, and diversity. Since only certain bugs live in clean waters or in poor quality waters, overall stream health can be determined. Generally, streams in southern Maryland are in fair to good health—conditions that we should be very concerned about maintaining. Searchable data is available at:

#### http://mddnr.chesapeakebay.net/mbss/streamwaders.cfm

In October 2006, the Association launched the Oyster Recovery Assessment project. Utilizing scientific method, oysters are grown in floats in mesocosm tanks and in ten locations in the tidal St. Mary's River. Pairs of floats are located at each selected site. One float contains live oysters and the other float contains dead oysters as a control group.

This project will extend through 2007 as Association members and students from St. Mary's College of Maryland will determine two things: 1) to what extent do oysters, who are filter feeders, cleanse the water, and 2) to what extent do oysters promote diversity and/or increase biomass (quantity of life). Another deliverable on this grant-funded project will be the creation of a film documentary of the project—to be completed in 2007.

Association members will continue to utilize data collected by projects and by the College and incorporate this scientific knowledge in the development of sustainability planning and educational outreach to residents of southern Maryland.

SMRP data can be accessed at:

#### http://www.smcm.edu/smrp/

The association has developed a publication based on science to inform homeowners how they can make their homesteads and lifestyle more friendly to our natural environment and to the Chesapeake Bay waters. A PDF-formatted version can be downloaded at:

http://www.smrwa.org/pdfdocs/pub-BackyardConservation.pdf



Seining on the tidal St. Mary's River



Growing Oysters in the Mesocosm Tanks



Checking an Oyster Float

### Education & Advocacy

The Association holds periodic forums to inform community members on conservation practices. *Backyard Conservation Workshops* were launched in April of 2006 with the *Grow Oysters at Home* seminar held at the Parish Hall in St. Mary's City. Oyster grower Rich Pelz led an informative half-hour lecture followed by a hands-on water side demonstration. Several members in attendance signed up to purchase oyster seed and floats—growing apparatus, an expense that is mostly deductible from Maryland income taxes.

In August 2006, County Environmental Planner Sue Veith led the second Backyard Conservation Workshop—Bay-Wise Certification. Attendees were informed of the program and how to qualify for certification. Local Master Gardeners assist with this program developed by the University of Maryland and the Maryland Department of Natural Resources. The Gardeners are tasked with reviewing sites for compliance with Bay-friendly landscaping and homestead practices. Homeowners are scored on a point system in order to qualify for certification.

In September, the Rain Barrel Workshop offered free rain barrels to new members or any member who renewed their membership. Twenty-six rain barrels were distributed. Association member Christina Allen led the workshop informing participants of the Bay-friendly assets of rain barrel usage as well as how to set up the system at home. Additional benefits are that water collected by the barrel can be used to water plants in place of aquifer water (tap water), which should be reserved for potable usage.

Another active pursuit of the Association was to meet and form partnerships with local land use professionals including planners, builders, developers, realtors, and financial institutions. Formal meetings and discussions took place with two developers leading to suggestions as to how to make their projects more friendly to the watershed. These meetings appear to be very productive.

Association leaders also made presentations to other organizations including the St. Mary's County Planning Commission, the Navy Alliance, the Economic Development Corporation, and the St. Mary's County Commissioners.





Backyard Workshop—Bay-Wise Certification





Backyard Workshop—Oyster Floats at Home



### RiverFest

#### A huge success and a whole lotta fun!

Every Fall, the Association hosts the St. Mary's RiverFest. Environmental organizations from around the region demonstrate what residents can do to improve the watershed.

Explore St. Mary's unique environment on a bird watching stroll and try beach seining. Take a ride on one of the last skipjacks on the river and take a turn tonging for oysters. Enjoy live music by local artists and great food from local vendors.

The lovely fall weather combined with the beautiful setting at the Chesapeake Bay Field Lab on Island Creek, St. George Island, provided the perfect backdrop for the event in both 2005 and 2006. Many in attendance took advantage of the local fisher culture by listening in on talks led by Island Captain Francis "Jackie" Russell.

While we may have been testing our boots in 2005, last fall we charted the course for "annual" status for RiverFest. More than 400 people came to St. George's Island and enjoyed the workshops, displays, demonstration, and hands-on activities. Many sailed on the skipjack and took home a rain barrel.

Mark your calendars because RiverFest 2007 is going to be even better—September 29, 2007 at the Chesapeake Bay Field Lab. Shuttle service will be provided. FREE ADMISSION



Visit us on the web: www.SMRWA.org





## Marketing the Message



In order to be effective in getting out our message and informing the public of opportunities to enhance and protect the St. Mary's River and our quality of life, the Association is dependent on press coverage. Good programs are usually followed by good press coverage. By this assessment, Association programs have been newsworthy.

Likewise, good publications are a necessity. Our newsletter was first published in 2005 and we published quarterly in 2006. The October 2006 edition features the second annual RiverFest—an event to remember. Back issues are available on our web site:

http://www.smrwa.org/newsletters.html

Our web site is a good place to get information about events, seminars, and workshops. Be sure to download our *Homeowner's Manual for Backyard Conservation*—available in PDF format:

http://www.smrwa.org/pub BackyardConservation.html





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## Fundraising & Planning

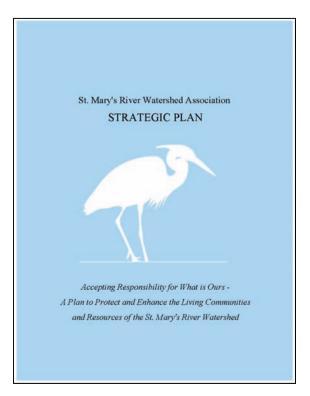
Fiscal growth is a vital part of any new organization. From our beginnings in 2004, our revenues increased substantially in 2005 and again in 2006. Expenses exceeded revenues in calendar year 2006 due to the fact that grant monies were received late in 2005.

Foundation and Trust monies accounted for 72% of all revenues while individual dues and contributions contributed 20%. Our success in seeking grant awards was fundamental to our fiscal growth and our financial success.

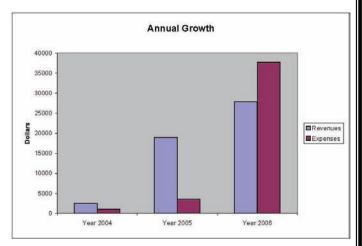
Consultant fees made up the biggest portion of our expenses and most of this was spent on general staffing. Our second and third largest expenses were equipment and partnership-building—vital necessities for any new organization.

Under the leadership of Board member Gary Hunt, the Association pursued strategic planning in 2006 resulting in the first five-year plan, Accepting Responsibility for What is Ours—A Plan to Protect and Enhance the Living Communities and Resources of the St. Mary's River Watershed. This plan stresses the building of organizational capacity as well as partnerships and coalitions, and covers the time period from 2006 through 2010. We urge you to review our strategic plan. You can download it in Adobe PDF format at:

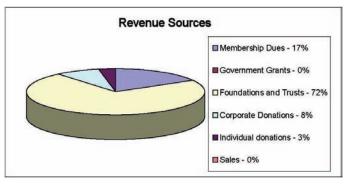
http://www.smrwa.org/pdfdocs/strategicplan\_rev2007-03-12.pdf

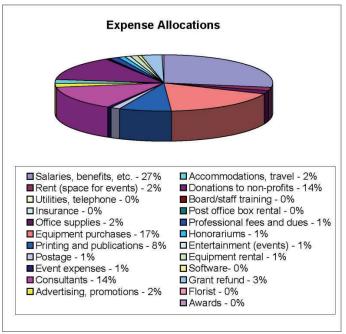


Download PDF-formatted Strategic Plan document at: http://www.smrwa.org/pdfdocs/strategicplan\_rev2007-03-12.pdf



Note: Expenses outpaced revenues in 2006 due to the fact that program grant monies were received late in the year 2005.





### **Board of Directors**

#### Frank Allen—Backyard Conservation

Frank is a physicist by training, now working in technology development for NAVAIR. Earlier job experience has included environmental engineering/industrial noise control, U. S. Coast Guard boat coxswain, commercial lobstering, and marina work. Frank sits on the St. Mary's County Commission on the Environment, and is vice president of the Patuxent Tidewater Land Trust. He and his wife, Christina, have a homestead in Park Hall where they raise sheep, chickens, and heritage turkeys as well as tending a large organic vegetable garden and fruit orchard.

#### Joe Anderson—President

Joe Anderson is the president of the St. Mary's River Watershed Association. He holds a Bachelor of Arts in Cultural Anthropology from Tufts University, and is a program manager for the Computer Sciences Corporation in Lexington Park, Maryland. Joe came to St. Mary's County from Connecticut in 1974 as a Vista volunteer, and has devoted much of the last 30 years to community service. He served as a St. Mary's County Commissioner (1998-2002) and is a past member of the St. Mary's County Planning Commission.



#### George Baroniak

Agricultural Preservation Commission, Ethics Commission

#### Raymond de Leon—Membership

Raymond de Leon received a Bachelor of Science in Environmental Science and a Master of Science in Environmental Policy and Planning. He is a strong advocate of improving local aquatic ecosystems through community outreach programs. Ray works as a Geographic Information System (GIS) Specialist at Booz Allen Hamilton Inc. He enjoys being outdoors (running, camping, biking and playing soccer) with his wife and two children.

#### Will Gates

Captain Will Gates holds the title of "Maritime Curator" at the Historic St. Mary's City Museum, but is better known for his main responsibility as the Master (skipper) of the replica ship *Maryland Dove*. He has served in this capacity since 1989, having previously worked on the Mayflower replica in Plymouth, Massachusetts, and for several years in the educational windjammer trade. He apprenticed as a rigger at Mystic Seaport, and was later schooled in archaeology, but soon discovered that, as the bumper sticker says, "He'd rather be Sailing!"



#### Cindy Greb

#### Richard Holden

Richard Holden received a Bachelor of Arts in English Literature and completed the course work for a Masters in Education at Loyola in Baltimore before becoming a professional photographer. He was recently presented the Arthur B. Hansen Award by US Sailing for his part in the rescue of a fisherman off the coast of Florida. Racing in the Governor's Cup was his introduction to St. Mary's County. In 2002, Richard became a county resident. He now lives on the St. Mary's River in sight of the finish line of the race.



#### Gary Hunt—Strategic Planning

### Board of Directors continued

#### Nancy McAllister (founding President)

Nancy McAllister received a Master of Science in Conservation Biology and Sustainable Development from the University of Maryland. She has taught middle and high school science. In her work with the non-profit Wildlife Habitat Council, she set up environmental education programs and outdoor classrooms for school systems across the country. Nancy was recently recognized by the Southern Maryland Audubon Society as the 2006 Conservationist of the Year for her work as founding president of the St. Mary's River Watershed Association. She loves nature study, scuba diving, and is an avid bird watcher.

#### Bob Paul—Vice President

Bob Paul is the Steven Muller Distinguished Professor of Science and has been at St. Mary's College of Maryland since 1977. He received a Ph.D. in Zoology at Virginia Polytechnic Institute. His specialty includes aquatic ecology and the application of Geographical Information System (GIS) technology to land use and ecological problems. Since 1999, Bob has co-directed the St. Mary's River Project, a long-term, federally-funded water quality monitoring study of the St. Mary's River and its watershed. He serves on the St. Mary's County Watershed Commission, and the Lower Potomac Tributary Team.

#### Ioan Poor—Treasurer

Joan Poor received a Ph.D. in Agricultural Economics from the University of Nebraska-Lincoln, majoring in natural and environmental resource economics. She is currently an Associate Professor of Economics and the Coordinator of the Environmental Studies Program at St. Mary's College of Maryland. Some of her current research activities include non-market valuation of the preservation benefits associated with cultural heritage sites, rural land-use and preservation issues, and valuation of local watershed quality and benefits.

#### Roger Stone—Oyster Restoration

Roger Stone is a Yale University graduate and former US Naval Aviator. He worked as a news bureau chief and publishing executive at Time Magazine, later becoming Vice President for International Communications at the Chase Manhattan Bank, President of the Center for Inter-American Relations in New York, and Vice President for Communications at the World Wildlife Fund. Roger is the author of five published books on environmental-economic linkages and he serves on the Board for Sotterley Foundation and as CEO of the Washington DC-based Sustainable Development Institute.

#### Elaine Szymkowiak—RiverFest

Elaine Szymkowiak received a Bachelor of Science in Biology from St. Mary's College of Maryland. Since 1981, she has served as Biology Laboratory Coordinator and instructor in scanning electron microscopy at the College. She is the advisor to the student club, Student Environmental Action Coalition (SEAC). Elaine has an avid interest in conservation issues and a life long love of nature. She enjoys spending free time on outdoor activities including hiking, nature study, sailing, skiing and gardening.

#### David Waring

David Waring received a Bachelor of Arts in Business Administration, Economics, and History from Western Maryland College. A lifelong resident of St. Mary's County, he has been a real estate professional since graduating. David has been involved with Maryland's Tributary Strategies Teams for the past 10 years and currently serves as Vice Chair for the Lower Potomac Trib Team. Public outreach and education have been in the forefront of David's efforts in Annapolis.

#### Gary Williams—Oyster Restoration

Gary Williams is a senior associate with The Clark Group in Washington DC, an adjunct professor at St. Mary's College (teaching Environmental Sociology), and a lead instructor with the Duke Environmental Leadership Program at Duke's Nicholas School of Environment. He is currently serving on the Advisory Board for Christmas in April and Patuxent Habitat for Humanity where he is currently Vice President.

#### Linda Williams—Secretary

Linda Williams retired as an award-winning elementary school teacher in Arlington County, Virginia. She was a founding teacher in the Arlington Science Focus School and established their "Investigation Station" Science and Engineering Lab. She has taught the Oyster Bar Community section in the shoreside program at the Chesapeake Bay Field Lab, including hand-tonging for oysters, since spring 2003. She is a Master Gardener, former Vice President of the St. Mary's Garden Club, and active in her church.



### Staff & Volunteers

Volunteers are needed. Please call 301-862-3517 or email smwatershed@yahoo.com to learn more.

#### Bob Lewis—Organizational Support

Bob Lewis received a Bachelor of Arts in Secondary Education and Music Composition from the State University of New York, as well as certificates in arts administration, personnel management, and communications technology. He was recognized in 2006 as the *Environmentalist of the Year* by the Potomac River Association. Bob holds three awards for service from the Maryland Department of Natural Resources. He currently serves on the boards of the Potomac River Association (former Co-President), the St. Mary's County Branch of the NAACP, and the Unified Committee for Afro-American Contributions. In 2006, Bob chaired the Cultural Diversity Task Force for the county superintendent of public schools.

#### Henry Bush—Research Coordinator

Henry Bush received a Bachelor of Science in Aquatic Resources from the University of Vermont. He served as lead technician for the Louisiana University Marine Consortium monitoring program and as marine technician on board the research vessel, Pelican. He currently serves as Research Coordinator for the St. Mary's River Project at St. Mary's College of Maryland and as Research Coordinator for the Oyster Restoration Assessment Project.

#### Abby Meatyard—Programs Coordinator

Abby Meatyard received a Bachelor of Arts in Anthropology with a concentration in Environmental Studies from St. Mary's College of Maryland. While enrolled in St. Mary's College, she spent a summer in The Gambia, West Africa, where she conducted research on the conservation techniques used at Katchikally Sacred Crocodile Pool and the effects it had on the surrounding community. Abby is currently the program assistant at The Center for the Study of Democracy at St. Mary's College of Maryland.



## Partnerships & Major Donors

#### Major Donors, Grants, and Corporate Sponsors

- Chesapeake Bay Trust
- Abell Foundation
- Spring Creek Foundation
- National Fish and Wildlife Foundation
- Westport Foundation
- Eagan McAllister Associates
- Computer Science Corporation
- Chaney Enterprises
- Tall Timbers Marina
- Goddard's Marine Construction
- Cook's Liquor & Deli
- Bailey's Party Rentals
- WLP Consulting
- The Greenery
- United Site Services
- Hewitt's Service Center
- Silver Hill Farm

#### Formalized Affiliations and Memberships

- St. Mary's County Chamber of Commerce
- Patuxent Partnership
- Chesapeake Bay Field Lab
- Potomac Riverkeeper
- Potomac River Association
- River Network
- St. Mary's College of Maryland



The popular Treasure the Chesapeake license plate is now bolder and brighter and features both the blue heron and the Maryland blue crab.



## Membership

#### Association Members

- Support the Association's work to improve the watershed through education, research, and restoration.
- Experience opportunities to know and appreciate the St.
   Mary's River and its environs and learn what can be done to keep it healthy.
- Enjoy quarterly newsletter with articles about research, upcoming events, and ways to be a smart consumer while helping our environment.

#### Membership Growth

The Association began in 2004 with a vision and fourteen people. Under the guidance and non-profit status of the Washington DC-based *Sustainable Development Institute*, membership grew to 43 during 2005.

With the help of a Chesapeake Bay Trust grant, the Association was able to build its membership to 163 by the end of 2006.

#### How to Join

The St. Mary's River Watershed Association welcomes new members!

Please fill out the form below and mail it, with your check payable to "SMRWA," to:

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





Contact us at:

Voice: (301) 862-3517

E-mail: smwatershed@yahoo.com

#### MEMBERSHIP FORM

	Yes, I would like to become an active member/volunteer. Please keep me informed of ways I can help!
\$50 Family	\$\begin{array}{ c c c c c c c c c c c c c c c c c c c
NAME	PHONEOPTIONAL
ADDRESS	E-MAIL OPTIONAL
CITY	STATE ZIP CODE
I would like to volunteer. My interest is in	