



The Watershed Watch

The Newsletter of the Pemaquid Watershed Association • Fall 2011

Duckpuddle Pond Success Story: Water Quality Restored!

The Big News: After more than two decades of substandard water quality, the Maine Department of Environmental Protection (DEP) has removed Duckpuddle Pond from its list of impaired waters. This terrific news is the result of a decade of strategic watershed conservation practices implemented by multiple project partners.


The Rest of the Story: The 242-acre Duckpuddle Pond, which is on the border between the towns of Nobleboro and Waldoboro, captures drainage from an 8.5-square-mile area in the Pemaquid River watershed. Historically, stormwater runoff carried excessive amounts of phosphorus to Duckpuddle Pond causing nuisance algal blooms. In 1990 the DEP placed the pond on its list of impaired waters due to recurring nuisance algal blooms and a declining trend in water quality.

In 1995 Pemaquid Watershed Association (PWA), Knox-Lincoln Soil and Water Conservation District (KLSWCD), and DEP conducted a watershed survey that identified 55 priority polluted runoff sites in the watershed. The 1995 watershed survey found that erosion and runoff from roads and a dairy farm contributed excessive phosphorus and sediment to Duckpuddle Pond. In 2008 PWA, KLSWCD, and DEP conducted another watershed survey in which 45 polluted runoff sites were identified, most of which were on residential properties and private roads.

Between 1999 and 2010, the KLSWCD helped the dairy farm to implement best management practices (BMPs) and worked with local towns and organizations to upgrade roadside ditches and culverts. These efforts significantly reduced nonpoint source pollutant loading by an estimated

(continued on page 10)

Second Hydrilla Infestation Found in Jefferson

Two years ago in September, the most aggressive invasive aquatic plant in North America, hydrilla, was discovered in a tiny cove on the west shore of Damariscotta Lake. Just this past Labor Day weekend, another outbreak of hydrilla was found, this time in Davis Stream in Jefferson, which is one of the major tributaries to Damariscotta Lake. The Maine Department of Environmental Protection and Damariscotta Lake Watershed Association have been working together to contain and remove most of the visible hydrilla from the stream. On September 23, 2011, Davis Stream was closed to all boat traffic starting around 400 feet upstream from the dock behind the Jefferson Market and ending at Route 126. This surface use restriction will be in place until the end of 2011 in order to help prevent hydrilla from spreading through fragments. Damariscotta Lake is only the second place in Maine where hydrilla has been confirmed; in 2002, hydrilla was found in Pickerel Pond in Limerick. 

PWA ACTION ALERT

Keep Eyes On The Ponds



Small, crescent-shaped tubers (5- to 10-mm long) form along the rhizomes of hydrilla. One square meter of hydrilla can produce 5,000 tubers!

Hydrilla has long slender, branching stems with pointy leaves that have tiny serrations along the outer margins. Leaves are typically arranged in whorls of 4 to 8. The midrib of the leaf is often reddish when fresh. Small white flowers rise to the surface on slender stalks. Photo by Alice Phillips.

**IF YOU SUSPECT A PLANT,
DO NOT PICK IT!
CONTACT PWA TO ARRANGE FOR
ITS IDENTIFICATION.**

IT'S NOT JUST HYDRILLA to be on the lookout for... This past summer, a DLWA Courtesy Boat Inspector found the invasive plant, Eurasian Water Milfoil, on jet skis about to enter Damariscotta Lake. Keep eyes out for any new and unusual plant growth in the Pemaquid-area ponds.

Executive Director's Corner

I have been in an unusual "space of being" for the past few months, in large part due to transitions and transformations in my life that have affected me in ways beyond my conscious knowing, not the least of which was the passing of my darling dog, Roo. Mostly what's been odd for me is feeling adrift and "fuzzier" than ever — still open to going with the flow but often finding no clear clue as to where the flow is. For example, at the deadline for this newsletter, I found myself with no words for my "corner". My here to fore faithful wordsmith muse hadn't even remotely whispered to me.

Then, literally at the hour of the deadline, I got an email from a PWA member who also happens to be a good friend of mine, Karen Berg. Karen is an amazing person on many levels, one of which is her talent as a photographer. She sent me several photos of the fall foliage at its peak along the Pemaquid River. When I saw those photos, the awareness struck me that, despite my lack of words on paper, I did have a message to share, one emanating from deep reverence and appreciation.

Rather than try to articulate, I express my message by presenting one of Karen's



photos to you (above). I wish you could see its vibrant color because the orange, crimson, and gold are spectacular! Between that photo and the one below of Emily and Shadow (provided by Margi Sudrabin), my message for this corner is well made: Through the fullness of nature's embrace, may you feel peace. May you know that you are loved and all is well.

☞ Donna Minnis,
Executive Director

P.S. I'd like to add some personal words to thank my beloved siblings for their support of my work at PWA. I am the youngest in a family of six children, and being the baby sister has its rewards. Despite living far away from Maine, my siblings have joined PWA. In addition, the oldest of the clan, my sister Jane and her husband Mike, regularly donate to PWA in memory of our parents. My oldest brother Jim and his wife Carol donate in honor of me. And, my closest-in-age brothers, John and David, made a special contribution to PWA's annual meeting this year simply because I emailed them and said that I wanted the birds of prey program (see page 9) but needed to find the money. I ooze with love and gratitude for all my siblings.



PWA member Emily Sudrabin and her new kayaking companion, Shadow, enjoyed Pemaquid Pond this past summer. Emily and her mom Margi adopted Shadow through Memphis Area Golden Retriever Rescue. Shadow lived in Mississippi for 6.5 years until she became a part of the Sudrabin family. Shadow loves the pond breezes and her new island home and reminds everyone to practice safe boating and always wear a PFD.



The Pemaquid Watershed Association Mission:

To conserve the natural resources of the Pemaquid peninsula through land and water stewardship and education.

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Adopt-a-Trail

Bath Savings Institution:
Bristol Recreational Trail
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La Verna Preserve
The First: Doyle Preserve

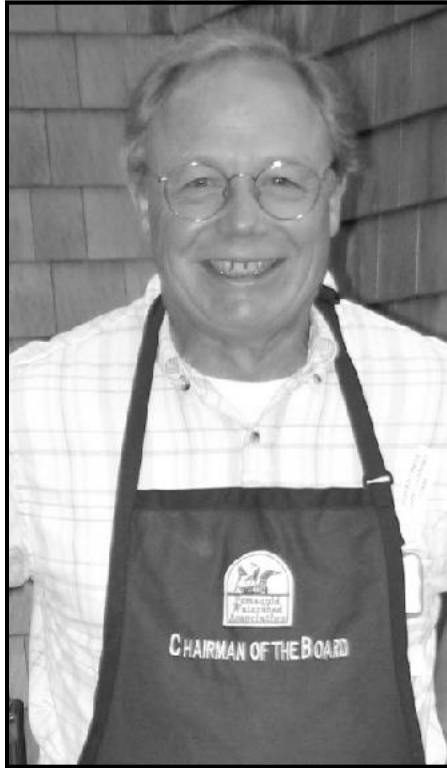
President's Corner

In this edition of *The Watershed Watch*, I am looking to you for ideas on how to help PWA with a particularly important volunteer function that has to-date been rather sluggish, to my bewilderment.

First, I'd like to share a bit of my general philosophy about humanity: I believe that if someone really cares about something and knows there's a problem and is provided a way to help alleviate the problem, s/he will help. So I don't understand why preventing the spread of invasive plants isn't a vigorously championed cause among a majority of PWA's membership. It seems to me that those who live, work, and play around the Pemaquid-area ponds would spring into action when a direct threat to the well-being of a beloved pond is imminent.

Specifically, I expected news that hydrilla - the most aggressive invasive aquatic plant in North America - was found just up the road in Jefferson to spark a surge of interest in training and volunteering about invasive plant prevention among PWA members. However, what I've found is that, although most people express sincere concern about that news, it seems to not resonate inside and trigger an active response. Perhaps it's treated like news of a volcanic eruption, sad and scary but it won't happen here.

For instance, PWA planned an Invasive Plant Patrol (IPP) workshop in Bristol Mills this past August, the



Bill Bausch, PWA President

first of its kind to be held smack-dab in the heart of the Peninsula. But, the workshop was canceled because of low registration. Also, for the past several years, PWA's Courtesy Boat Inspection (CBI) program has been conducted by a small volunteer crew that averages 5 or 6 people per year. This is simply not enough people-power to provide coverage at the local launch sites during the majority of prime weekend hours throughout the summer.

We know that boat inspections and plant patrols can be helpful; we have evidence from Damariscotta Lake Watershed Association's (DLWA) experience that these volunteer-based programs can aid in minimizing the spread of invasive plants. Consider the jet skis that were brought to Damariscotta Lake this past summer after being in the Finger Lakes region of New York — a fragment of the invasive Eurasian Water Milfoil was found and removed from the

watercraft before they were put in the lake thanks to a DLWA Courtesy Boat Inspector. Then there is the fact that hydrilla has been early detected in two locations in/around Damariscotta Lake thanks to eyes-on by volunteers. Because they were detected earlier rather than later, there is optimism for control and, possibly, eradication of these infestations. Another cause for optimism is that DLWA has been able to rally a cadre of volunteers around the cause of prevention and detection.

To date there is no documented infestation in a Pemaquid-area pond. I don't want to believe that it will take an infestation in one of our ponds to motivate us to more involved action.

How can PWA rally our members to be proactive? What will it take to get us to commit to actively keeping our eyes out for unusual plants in our ponds and to spending two hours on some of our summer weekends visiting with boaters and looking for hitchhiking weeds on their boating equipment? Perhaps the sense of urgency isn't felt? Perhaps there is a sense that others will 'take care of it'?

Please e-mail or call me to share your constructive suggestions for invigorating PWA's IPP and CBI volunteer programs. Help me motivate our members from concern to action and help make sure the Pemaquid-area ponds don't get infested. My feeling is that if just a few passionate volunteers climb on board and embrace rallying our members, they can get us fired up for training and action. Are you one of those people?

✉ Bill Bausch, President
president@pemaquidwatershed.org
(207) 563-7981

Bill Bausch

PWA Community Service Vision Statement

Pemaquid Watershed Association's vision is a protected yet accessible Pemaquid Peninsula where people and wildlife thrive in a pristine and nurturing environment.

**Membership Current?
check the mailing label**

PWA Wraps Up its 3-Year LakeSmart Program

By Martha Naismith, Coordinator of the PWA LakeSmart Program

In 2008, the Maine Department of Environmental Protection (DEP) initiated LakeSmart, a program designed to educate shoreland property owners and to create general public awareness of lakefront Best Management Practices. By rewarding and recognizing property owners who adopt and maintain responsible property management, the hope is that others will join in and that lake-friendly land-use practices will become the norm throughout Maine. In spring 2009, the group application submitted by the Pemaquid Watershed Association (PWA), the Damariscotta Lake Watershed Association (DLWA), and the Muscongus Pond Association (MPA) was selected by DEP for a pilot project.


The process of becoming a LakeSmart awardee is relatively straightforward but also strict. When a property owner voluntarily requests an evaluation, a team of volunteer screeners will visit the site and rate the property in four categories: Road, Driveway and Parking Areas; Structures and Septic Systems; Lawn, Recreation Areas and Footpaths; and Shorefront and Beach Areas. Within each of these categories, there are several criteria to be met with a score for each. If the requisite score for each category is met, the volunteer screeners will recommend the property owner for a LakeSmart Award. The screening is then followed by another visit by a DEP-authorized evaluator. The screeners have been rigorously trained to focus on particular issues, such as buffers to stormwater entering the lake, well-maintained septic systems, and soil erosion near and around the lake shore. An award is truly an achievement!

During the 3 years of the pilot program, 43 property owners in the Pemaquid Peninsula area have requested a screening. Of those,

28 have received a LakeSmart award as follows: Pemaquid Pond (10); Biscay Pond (8); Muscongus Pond (7); Duckpuddle (1) and Paradise (Muddy) Pond (2). Perhaps you may have seen an Award sign proudly displayed on their respective properties?

Another seven property owners have received a "Recognition Certificate" stating that their property met the requisite score in 3 out of the 4 categories. If the recommendations for improvement are met, these owners may request an additional evaluation to determine if they now qualify for a LakeSmart award. As of October 2011, there are six screened properties pending the final DEP evaluation. We hope to soon meet all of PWA's pilot program goals for LakeSmart awards*.

While congratulations to our LakeSmart awardees and Recognition landowners are well deserved, special thanks also go to all those who participated in program. Without exception, all property owners gained new perspectives, knowledge, and awareness of responsible pondside stewardship and management. The participating landowners were also,

without exception, receptive to recommendations of ways to improve their stewardship practices in order to preserve pond resources. Many eagerly and promptly implemented the various DEP recommendations. If you have any questions about LakeSmart, please contact me at martha@naiscot.com. 

PWA thanks the small but dedicated group of PWA volunteers who became trained screeners for the LakeSmart program: Carol Andrews, Mary Berger, Bennett Collin, John and Jan Faulstich, Martha Naismith, and Dennis Prior. A special thank-you goes to Martha Naismith for her leadership in coordinating PWA's LakeSmart program.

PWA also thanks Maggie Shannon at Maine Congress of Lake Associations, Barb Welch at the DEP, Rebecca Jacobs and Hildy Ellis at KLSWCD; DLWA and MPA, and the following businesses for offering incentives to LakeSmart participants: Crockett's Septic, Damariscotta Hardware, Louis Doe Home Center, and Pinkham's Plantation.

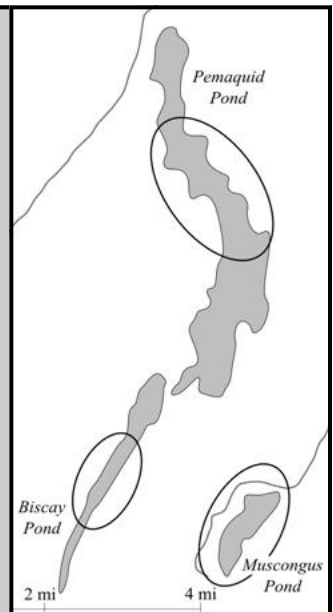
* GOALS FOR THE PILOT PROGRAM:

The DEP LakeSmart program aims to have 15% of properties in a defined geographic area awarded a LakeSmart award over the 3-year period. This goal is based on theory about how an innovation gets adopted and diffused. For PWA, the areas and goals were defined as follows:

Biscay Pond: Of the 193 total properties on the Pond, the focus was on 50 properties in the middle third of the Pond on both the east and the west sides. The 3-year LakeSmart Award goal is 8 properties, so we have met this goal!

Pemaquid Pond: Of the 261 total properties on the Pond, the focus was on 75 properties in the middle of the Pond between the upper and lower bends. The 3-year LakeSmart Award goal is 12 properties, so we have 2 to go.

With MPA for Muscongus Pond: There are a total of 64 properties on the Pond. The 3-year LakeSmart Award goal is 10 properties, so we have 3 more to go.



Focus areas for PWA's LakeSmart pilot program.

The Pemaquid-Area LakeSmart Award Winners So Far...

Pemaquid Pond

Wally and Norma Benjamin
John and Jan Faulstich
Chris and Diane Hayes
Ken and Dede Heath
Cynthia Hilton
Peter and Judi Lawrence
Bill and Nancy Marshall
Robin Moody & Tamara Stock
Martha Naismith
Peter and Louise Riley

Biscay Pond

Bill and Mary Bausch
Mary Berger
Russell and Gloria Canterbury
Dick and Sonia Clime
Jon and Cyndy Fairbanks
Jon and Wendy Nelson
John Otterbein & Ann Hart
Ken and Mollie Perley

Muscongus Pond

Jack Boak & Karen Berg
Elizabeth Ehrenfeld
Joan Gregoire
Steve and Jo Laurich
Jerry and Linda Packard
Bob Wheeler
David Wilkins & Karen Ottenstein

PWA plans to apply to officially extend the LakeSmart Program to our other ponds. A bit ahead of the plan, the following land-owners have already earned a LakeSmart Award:

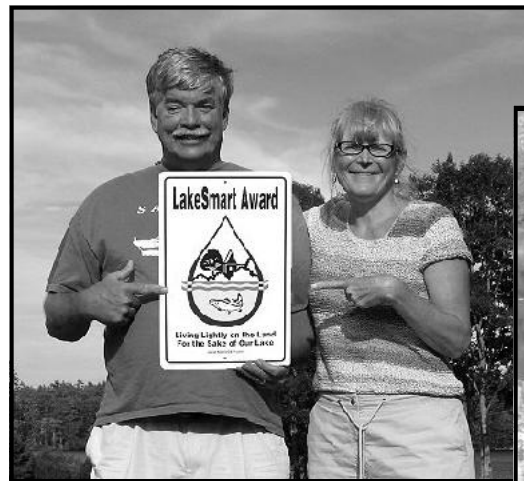
Duckpuddle Pond

Joe and Carol Cirigliano

Paradise Pond

Bambi Jones

Roger and Joan Panek



Left: PWA members Jack Boak and Karen Berg proudly hold their LakeSmart award sign, which they earned for their model land practices on their property on Muscongus Pond.

Right: Mary Berger's cottage property on Biscay Pond has a shoreline full of buffer vegetation, which significantly helped qualify it for a LakeSmart award.

***Congratulations
& Thank You!***

PWA Welcomes Back Directors

Pemaquid Watershed Association welcomes two veteran Directors back to its Board, Mary Berger representing Bremen and Chris Roberts representing Damariscotta, and bids a fond farewell to Directors coming off the Board, Bill Brewer, Ken Heath, and Preston Kelly.

Mary was a PWA Director from 2004-2009 and has served as Board President and Secretary. She led the establishment of the "PWA Ponders" gatherings in 2003 as a means of bringing residents within a pond's watershed together to get to know each other and to share information about best management practices for protecting pondwater quality. She is an active volunteer in PWA's LakeSmart Program, which provides



Mary Berger and Chris Roberts

free technical advice to help pondside residents manage their properties in ways that protect pondwater quality (see previous page), and she currently serves on PWA's Development and Lands Stewardship Committees. Mary received PWA's "David McLeod Memorial LakeSaver Award" last year, which recognizes

an individual for dedication to water quality protection. (See page 9 for this year's McLeod recipient.)

Chris served on the PWA Board from 2002-2007. He is publisher of the *Lincoln County News*, active with the Boy Scouts and other community groups, and an avid camper and outdoor recreationalist. He rejoins the PWA Board in the role of Treasurer and will serve on PWA's Finance Committee.

PWA is thrilled to have Mary and Chris back on the Board! Their willingness to serve again is testimony to not only their dedication to community service and natural resource protection, but also to the fact that PWA Board service is a pretty fun gig. 🦋

Worm Allure

By Megan Welch, PWA 2011 MCC AmeriCorps Member

Saving the Earth starts in your kitchen! Vermiculture, the raising and production of worms and their by-products, is the perfect way to reduce your impact on the environment. All it takes is a simple worm bin made out of a plastic tub with holes in the side; a wooden base and some newspaper, then add worms and food scraps, and, *viola*, vermiculture!

One might ask what would possess a perfectly sane human being to bring thousands of worms into her home, but there are several economic and environmental benefits to vermiculture. Worm bins are a great way to reduce your carbon footprint by reducing your household waste. Instead of throwing table scraps in the garbage, throw them in a worm bin! One worm bin can save 1.5 pounds of garbage from entering a landfill a week, or 78 pounds a year.

Worm bins also produce free organic fertilizer. Studies have shown that worm castings (what worms excrete after digesting table scraps) are extremely beneficial to plants. Vermicompost, worm castings, and worm tea (an aerated vermicompost-water mix) increase plant growth rate, aid in pest control and eliminate the need for chemical fertilizer. An experiment of growing plants in four different media showed that plants grown in 20% dried worm castings grew at a greater rate than plants grown in potting soil, peat moss, or seacoast compost. Not only is it organic, but it is also more efficient than conventional fertilizers.

A group of 35 community members participated in PWA's vermiculture workshop on August 3 of this year. Jock Robie, vermiculture hobbyist, presented on vermiculture basics and how to maintain and care for a worm bin. Jock also built 20 custom worm bins and gave them away at the workshop to the first 20 who signed up for the workshop. PWA thanks Jock for donating his time and talent to this presentation as well as for donating the worm bins.

For more information on vermiculture visit mainlywormbins.blogspot.com/ or www.wormmainea.com. 



Top, thanks to a PWA workshop led by Jock Robie this past August, community members around the Peninsula are going green with worm bins.

Left, red wiggler worms are the ones to use for composting. Below, Megan Welch's bins in her apartment.



"I always thought throwing table scraps in the trash was a huge waste. Living in a tiny apartment without a backyard doesn't allow me to start a compost pile, so I turned to vermiculture. I now have worm bins in my living room and love it. There is no smell, they are low-maintenance, and I now have rich organic compost for my potted herb garden. It's so simple...if you can throw table scraps in the trash, then you can throw them in a worm bin."

—Megan Welch,
PWA AmeriCorps Member

VermiTrivia...



Worms don't eat the table scraps directly (they don't have teeth). Instead they eat the mold and fungi that breakdown the food as it decomposes.



Compost worms (red wigglers or *Eisenia fetida*) are not the same as earthworms you typically find outdoors after a rainstorm.

PWA Celebrates 45 Years with BBQ at the Beach

In August of 1966, Pemaquid Watershed Association was officially incorporated as a non-profit charity. This year in August, PWA had a beautiful evening "BBQ at the Beach" picnic at Pemaquid Beach Park to celebrate its 45th anniversary. About 75 people gathered at the Park, which is near where the Pemaquid River feeds

into Pemaquid Harbor and flows out to Johns Bay — an ideal location to hold this special event that commemorated 4½ decades of natural resources conservation work focused on the Pemaquid River watershed.

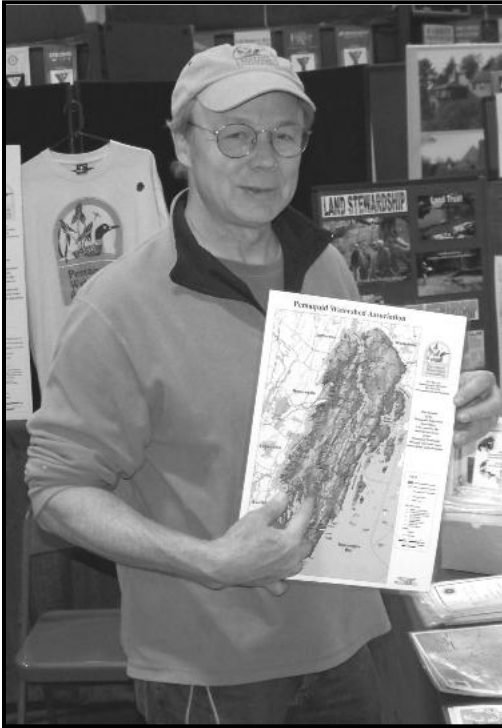
PWA thanks Colby & Gale for sponsoring the event and the Bristol Parks and Recreation Commission for

their cooperation. PWA also thanks the volunteers who planned and helped at the event: Juanita Roushdy, Charlene and Ken Sassi, Diane and Brad Perry, Sonia and Dick Clime, Carol Knapp, Matthew Hanly, Solomon Montrond, Kent Booher, Joyce Berry, Barbara Hansen, Hylie West, Mary Berger, and Megan Welch. 🦋



1: BBQ at the Beach — sponsored by Colby & Gale • 2: Cyndy Fairbanks and Martha Naismith at the end of this year's rummage sale • 3: Volunteer Gala — sponsored by Damariscotta Bank & Trust Co. with catering courtesy of Savory Maine • 4: Ducky Race Launch Crew — Ducky Race sponsored by Yellowfront Grocery • 5: Ducky Mascot, Mr. Pem A. Quid, makes his debut at the Volunteer Gala • 6: Joanna and Franklin Holland at Coastal Cleanup • 7: Ken Heath (r) turned 70 on the day of our Party on the Pier this year (June 10) — he shared his birthday cake with Brad Craig and other partygoers. Party sponsored by The Contented Sole.

Spotlight on the Volunteer of the Year



Bill Bausch

Pemaquid Watershed Association is pleased to announce Bill Bausch of Damariscotta as this year's Volunteer of the Year. Bill has been on the PWA Board of Directors since 2006 and has been President since 2009. He is webmaster for the PWA website, oversees the office computer systems, is on the Osborn Finch cabin cleaning crew, is secretary of PWA's Land Stewardship Committee, staffs outreach booths, helps at fund-raising events, participates on preserve maintenance crews, and is active in PWA's effort to prevent the spread of invasive aquatic plants. He also helps clean and repair the office suite, takes photos at events for PWA's archives, and even does post office runs.

"Bill is the perfect example of a volunteer who is totally committed to community service," said PWA Executive Director Donna Minnis. "Whatever the volunteer need, Bill is willing to lend a hand. He also is an exceptional Board President, leading with humility, compassion, and good humor."

- ◆ Name: Bill Bausch
- ◆ Age: 67
- ◆ Occupation: Retired. Had several careers with a technical tilt: engineering at Sikorsky Aircraft, information systems in Toronto and New York City, telecom equipment refurbishing in Harrison, NY, and ending with freelance computer consulting for non-profits in Stamford, CT.
- ◆ How long have you volunteered with PWA? 5 years
- ◆ Programs you most often volunteer for: Everything except the Flower Committee.
- ◆ First PWA program you volunteered at & memories of that experience: Trail crew at La Verna Preserve – carrying materials and building a bridge. It was a great team effort (that stuff is heavy!), but we got the job done and had a great time as well. And, the bridge turned out to be pretty fabulous.
- ◆ How long have you lived in Damariscotta: since September 2005
- ◆ Favorite food: Italian Seafood Stew at Anchor Inn
- ◆ Last song you had stuck in your head: Usually snippets of something from Tapestry Singers or the church choir – how lame is that? I get a kick out of Country & Western but have a truly lousy memory for lyrics.
- ◆ Where did you grow up: Western New York – Rochester and Buffalo – but some would challenge the "grow up" claim.
- ◆ Hobbies/interests: Paddling, anything outdoors, photography, choral singing, carpentry/woodworking, environment & conservation, Tai Chi – and family, of course!
- ◆ Dream vacation: Hut-to-Hut or Inn-to-Inn hike or paddle – pampered camping!
- ◆ Favorite PWA memory: Working with two Lincoln Academy seniors to fulfill their requirement for a community service project. They built a kiosk for the Bass Rock Preserve in Round Pond. Their energy and enthusiasm compensated for any lack of technique and helped them persevere despite lots of attention from appreciative black flies. The kiosk should last for quite a while!
- ◆ What keeps you coming back each year to PWA as a member and volunteer? I believe in the PWA mission of conservation through stewardship and education. Participating in trail crews and public events is a great way to meet people and to enjoy the Pemaquid River watershed. And, it's satisfying to have something to show for your efforts at the end of the day. 🦟

PWA volunteers bring their expertise to almost all areas of the organization. Though their roles are as varied as clearing trails, stuffing envelopes for mailings, and collecting water samples, each has one thing in common - commitment to the PWA mission of conserving the natural resources of the Pemaquid Peninsula.

PWA is grateful to each and every volunteer who donates his/her time, energy, and talents. For more information on how to get involved as a PWA volunteer, talk with Donna at PWA. She'll be happy to talk with you to help you find the right fit on the PWA team!

2011 LakeSaver Award Winner

Gerry Clark of Bremen is this year's David McLeod Memorial Lakesaver Award winner. Gerry was the Maine Volunteer Lake Monitoring Program water quality monitor for Pemaquid Pond from 2003 to 2010, has helped PWA conduct watershed surveys to identify pollution sources, and is a PWA water quality sampler for Biscay Beach. Gerry also has been a Courtesy Boat Inspector to help prevent the spread of invasive aquatic plants since PWA started with that program in 2005. Beyond water quality work, Gerry has been a PWA Director since 2007 and is chair of PWA's Finance Committee.

This PWA award is named in honor of

David McLeod who died in February of 2003. It recognizes an individual who has demonstrated a tremendous volunteer commitment to protecting water quality. McLeod was President of PWA from 1974 to 1976 and served a total of 9 years as a member of the Board of Directors. He was an active participant in the water quality monitoring program and always made himself and his pontoon boat available for training and re-certifying of water quality monitors. This award is particularly meaningful for Gerry because David McLeod was his brother-in-law and was the one who introduced him to water quality work.



Gerry Clark taking a water sample.

45th Annual Meeting Featured Live Birds of Prey

Hope Douglas of Wind Over Wings (WOW), along with her education partner Carol Fackler, enthralled the crowd at PWA's 2011 Annual Meeting on July 16 at the Willing Workers Hall in New Harbor. Hope and Carol showcased four birds of prey on their gloved hands: the smallest and largest owls in Maine (Sawhet and Great-horned), the fastest animal on the planet (Peregrine Falcon), and the king of all birds (Golden Eagle).

Each bird had a story to tell, bringing laughter, awe, and heartwarming appreciation to the audience of 75. The stories were bittersweet and uplifting, with each raptor coming to WOW due to some kind of injury that left them unable to be released back to the wild and each bird gradually adapting to -- and choosing to -- become educators.

For instance, take Sky, a Golden Eagle from Nebraska. When he was about two years old, he was intentionally shot. Due to the severity of the injury his right wing required amputation. This is always a difficult decision for a veterinarian because the eagle loses flight, freedom, balance, and heat. The Raptor Recovery Center in Nebraska requested that he come to WOW because of his exceptional personality and the program's orientation towards training. As part of WOW's standard practices they do not withhold food, and all of their birds are free in their aviaries as opposed to being tethered to a perch on the ground. Upon arrival, Sky appeared to be suspicious of people. WOW staff worked every day with Sky for 2½ years as he slowly learned to trust people. He is

*Hope Douglas and Sky,
a Golden Eagle,
at PWA's annual
meeting.*




inquisitive, calm, patient, and forgiving. Although he should be mistrusting of people, particularly due to the viciousness of his injury, Sky has formed a remarkable attachment to his handlers. He was recently taken to a Special Olympics event. During the event a little girl stood in front of this handicapped eagle and said, "He's just like me!"

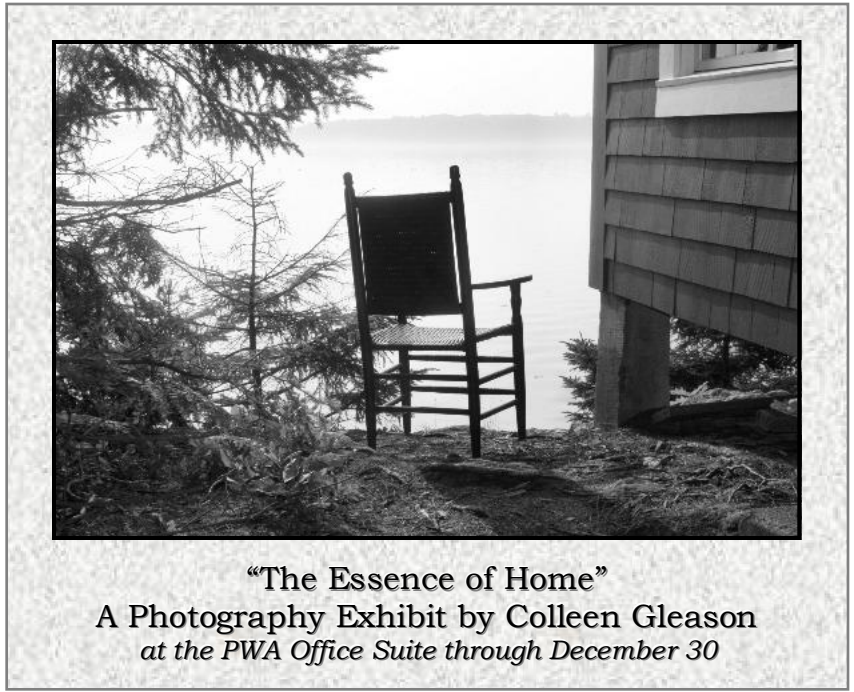
PWA is grateful to have been able to bring WOW to its members, and thanks John Watkins and David Watkins (brothers of PWA's Executive Director) for sponsoring this educational program. 🦅

**Thank you to Rising Tide
for sponsoring our
Annual Meeting potluck!**

Rising Tide
COMMUNITY MARKET
For locally grown, shop locally owned.

Two PWA Members Achieve Milestones

This year, two long-time PWA members reached milestones in their volunteer service for the Maine Volunteer Lake Monitoring Program. Steve O'Bryan of Damariscotta has been the Certified Water Quality Monitor for Paradise Pond and Biscay Pond for 20 years. Ed Knapp of Nobleboro has been the Certified Water Quality Monitor for McCurdy Pond for 10 years. PWA applauds the commitment demonstrated by these two men and thanks them for their service in protection of local water quality. FMI on water quality monitoring on Pemaquid-area ponds, see www.mainevlmp.org. 



Duckpuddle Pond Restored

(continued from page 1)


248 tons of sediment and 700 pounds of phosphorus per year.

Because Duckpuddle Pond has been free of culturally induced algal blooms for 7 of the last 10 years, the DEP removed it from its list of impaired waters in 2010. (Maine's "Class GPA" water quality standard requires the lake to have a stable or improving trophic state and to have been free of culturally induced algal blooms for at least 6 of the last 10 years).

Key project partners included KLSWCD, NRCS, Spear Farm, the towns of Waldoboro and Nobleboro, Cramer Road Association, PWA, Maine Department of Agriculture (MDOA), DEP, and U.S. Environmental Protection Agency (EPA). EPA provided \$154,687 in CWA section 319 funds (\$128,043 in Phase 1 and \$26,644 in Phase 2); MDOA provided \$20,000. Local match totaled \$99,425, including a significant contribution from Spear Farm. KLSWCD coordinated the project, and NRCS provided landowner assistance and technical services for best management practices design, construction and maintenance.

PWA thanks all of the cooperating partners and applauds their fortitude, concern, and persistence for improving Duckpuddle Pond's water quality. PWA also thanks all its members who helped in the two watershed surveys.

This great news is a cause for

celebration and a calling to remain diligent. It is important that efforts to control soil erosion in the Duckpuddle Pond watershed continue in order to keep the water clean and clear. For more information, contact Norm Marcotte of the DEP at (207) 287-7727 or norm.g.marcotte@maine.gov. 

Highlights of the Duckpuddle Pond Watershed Remediation Effort

From 2000 to 2004, Knox-Lincoln Soil and Water Conservation District (KLSWCD) implemented the first of two CWA section 319-funded projects to reduce sediment and phosphorus inflows to Duckpuddle Pond. KLSWCD and staff from the U.S. Department of Agriculture's Natural Resources Conservation Service (NRCS) worked with the Spear Farm, a dairy and vegetable producer, to improve management of manure, milk house wastewater, silage and cropping practices. Spear Farm enlarged its manure storage capacity from 1 to 6 months to enable over-winter storage. In addition, the farmer directed milk house wastewater into a manure storage pit.

KLSWCD also worked with local municipalities and other organizations to reduce erosion along roads. The Town of Waldoboro installed cross-drainage culverts and riprap ditch linings to distribute runoff more evenly through buffers, upgraded roads, and repaired a failing stream crossing. The Town of Nobleboro installed five new culverts with inlet/outlet protection to help stabilize ditches on two roads. Road maintenance provisions were


established to ensure long-term effectiveness. The Cramer Road Association stabilized a road ditch, installed ditch turnouts, and replaced a failing culvert at a stream crossing.

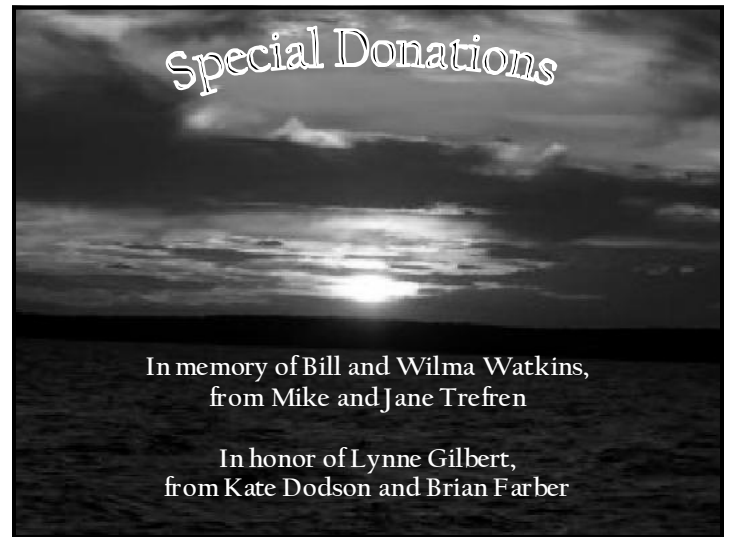
From 2008 to 2010, KLSWCD implemented the second CWA section 319 project to reduce polluted runoff from the farm's livestock feeding areas and a silage bunker. The farmer constructed a heavy-use livestock area (a 2,200-sq.-ft. concrete pad) to separate clean water from contaminated water and manure. Manure that accumulates in the heavy-use area is moved to the existing manure storage pit. Any contaminated water running off the heavy-use area is directed through a 45-ft level-lip spreader into a vegetated wastewater filter strip for treatment. Improvements constructed at the existing silage bunker area reduced the volume and provided treatment of silage runoff and leachate. Clean stormwater runoff was diverted away from the silage bunker area. The farm's nutrient management plan also was improved, which helped the farmer manage nutrients and control erosion and sediment export.

PWA Remembers Jean Powning (1942-2011)

By Jean McAlice and Doris Balant

We met Jean Powning in the 90's when members of PWA's educational outreach program, then called Earthways, were working to develop a school nature trail for each of the four schools in our area. Jean, then the librarian at Bristol Consolidated School, took the lead for her school, walking out with us, helping us to make the trail interesting and alive to the students. She involved them in planning, clearing the trail, and identifying its many natural treasures. She transmitted her appreciation for the natural resources that surround the school to countless young people.

Jean's memory lives on as a succession of students and local residents continue to walk Bristol Consolidated School's nature trail. 



In memory of Bill and Wilma Watkins,
from Mike and Jane Trefren

In honor of Lynne Gilbert,
from Kate Dodson and Brian Farber



Bristol Consolidated School's nature trail starts at the north side of the school's parking lot and connects to the Bristol Recreational Trail. PWA currently is working with BCS teacher Kevin Crafts on a project to revitalize the learning stations along the trail.

**Partial contributions
are welcome!**

Wish List "Catalog"

Support PWA by 'buying' an item from their wish list!

Office/Equipment Needs:

- Sony VAIO Laptop Computer: \$899.98
- Multi-media Projector and replacement bulb: \$599.00
- Duracell AA/AAA Battery Charger Kit: \$47.99

Other:

- 10'x10' raised deck for placement at the salt marsh overlook at Pemaquid Beach Park
- 10 Litter Pickers: \$17.50 each
(32" `reachers' for use by volunteers during litter cleanup events)
- 14 "Entering the Watershed" signs: \$57.38 each
(24x30" aluminum roadside signs to educate the public about the location of the Pemaquid River watershed)

All you need to do is send a check in the amount of the item to PWA at PO Box 552, Damariscotta, ME 04543, and note in the check memo what you are "buying" for PWA.

Have you wanted to help PWA with their Wish List but just haven't had what they've been looking for?

Well, now fulfilling a PWA Wish is easier than ever!

Instead of donating the actual item, you can now donate its value so PWA can acquire it!

(Of course, we still gladly accept gently used items.)

Wish Grantors:
John and Jan Faulstich —
Mattresses for the
Osborn Finch Cabin



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(207) 563-2196
info@pemaquidwatershed.org
www.pemaquidwatershed.org

Photo by Ted Lane



Donate to PWA online!

Network for Good is an e-philanthropy portal that provides PWA the tool to accept online donations.

Visit
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today, and tell a friend!

PWA receives 100% of your donation and pays no fees or costs. Donors receive records of contributions for tax purpose.



<input type="checkbox"/> Individual	\$25	Name _____
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<input type="checkbox"/> Patron	\$100	Primary Phone _____
<input type="checkbox"/> Benefactor	\$250	Second Mailing Address _____
<input type="checkbox"/> Sponsor	\$500	_____
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<input type="checkbox"/> Business Steward	\$50	E-mail _____
<input type="checkbox"/> Business Patron	\$100	

I am enclosing an additional donation of \$_____.
 I will send a gift of \$_____ from a Donor-Advised Fund.
 I will ask my employer to send a matching gift.
 Send me information about including a bequest to PWA in my will or trust.
 Contact me about volunteering.

Make check payable to "Pemaquid Watershed Association".
 Pemaquid Watershed Association, Inc., is a 501(c)(3) organization. Contributions are tax-deductible.

