Welcome Dr. Patricia Delgado, Our New Director/Park Superintendent

Introduction from Chris Swarth

Patricia Delgado is an excellent choice for the new Sanctuary director. She brings the needed research background through her years of study of wetland ecosystems in Maryland, Louisiana and Costa Rica, and she has the supervisory experience based on her mentoring and supervising DNR employees who assist with her fieldwork and studies throughout the Chesapeake Bay tidewater.

Pati also has a thorough familiarity with the Jug Bay ecosystem and freshwater tidal wetlands in general. She’s a team player and has an ability to work with a variety of people from different backgrounds and to bring them together to accomplish great things. I know that she will be welcome by volunteers and Friends of Jug Bay members alike. Pati is a very upbeat, positive person and has a great sense of humor. As she is married to a scientist, she brings this additional asset with her to the Sanctuary. Her two sons will love getting to explore the Sanctuary with their mom. I’m very pleased that the selection committee chose such a bright, energetic and knowledgeable scientist and educator to continue the important work that takes place at the Sanctuary. Congratulations!

Getting to Know the New Superintendent and Wetland Ecologist...

PATRICIA (PATI) DELGADO, the new Jug Bay Superintendent, has been a Maryland resident for over a decade, and has worked extensively in the Chesapeake Bay area as an employee of the Maryland Department of Natural Resources. She fell in love with Jug Bay, and jumped at the chance to make this her new “home.”

Pati was born and raised in Costa Rica. As a child, she grew up in the country, surrounded by nature, which planted the seed for her curiosity and passion for the environment. Eager to learn, Pati moved to the city for her university studies. There, she obtained a B.S. in Marine Biology from Universidad Nacional de Heredia. As an undergraduate, Pati had many opportunities to discover the beautiful national parks of her home country and learn how local communities depended on their natural resources. Working as a research assistant at the university she gained invaluable experience studying the mangrove forests and working with the local communities…and that’s all it took to lead her on the path of becoming a Wetland Ecologist!

With the help of a USAID scholarship, Pati came to the United States where she enrolled at the Louisiana State University. After one year of English immersion and two years studying hard, she obtained a M.S. in Oceanography and Coastal Sciences. Soon after, an opportunity arose to continue onto her Ph.D. Seven years later, after much work and dedication (including a two-year research project in Costa Rica)…Pati obtained her doctoral degree, married another wetland ecologist (Philippe Hensel), and started her family. Eventually Pati, Philippe, and their two sons Nicolas and Rémi moved to Maryland. It was in Maryland that Pati’s professional career really took off. What a better place, where you find the country’s largest estuary – the Chesapeake Bay!

Before joining the Jug Bay staff, Pati worked for six years with Maryland DNR as the research coordinator of the Chesapeake Bay National Estuarine Research Reserve in Maryland (CBNERR-MD). In

Continued on page 2
Pati considers working at Jug Bay a dream job—nothing better than to wake up every day to go to a nature-based place to work…

Superintendent, she is eager to continue to promote environmental education, stewardship, research, citizen science, and science communication to the public, while also providing a protected environment for public enjoyment. Although somewhat familiar with Jug Bay, Pati feels that there is still much to learn before venturing in new “big” projects. However, she is full of ideas, keen to share, and is also willing to hear other people’s ideas.

One thing that Pati quickly recognized (since her first visit) as one of the biggest strengths of Jug Bay is its human component. It is thanks to the many minds and hands of committed staff, volunteers, and friends of Jug Bay that this place has become what it is today. As Pati immerses in her tasks ahead she is very eager to learn from and work with the many people that form the Jug Bay community. After all, Pati’s main interest is to continue making Jug Bay the incredible place it is!

In addition to the enjoyment Pati is sure to have with her new job, she also loves playing sports, reading, watching a good movie, and traveling with her family to discover new places…as learning and discovering never ends as long as you carry the spark within you!
Dear Friends,

Greetings! With this issue of Marsh Notes, I officially step up from Vice President to President. Harry Coulombe, our former President, continued in that role until July, resigning shortly before he and his wife completed their move to North Carolina.

As your new President, let me begin by welcoming Pati Delgado, who joined us as the new Sanctuary Superintendent in June. Pati is exactly the type of person the Friends hoped would be selected; with a Ph.D. in coastal and wetland ecology, and a minor in plant biology, as well as extensive experience in research and conservation! You can meet Pati at either of our fall events, the Bill Steiner Memorial Canoe Trip or ColorFall.

Pati came on board six months after Chris Swarth, Sanctuary Superintendent for 23 years, had left for a job in his native California. The Friends are grateful to Elaine Friebele, Lindsay Hollister, Heather Baden, and Debra Gage, for taking on additional work during this time, and to Elaine, for ably serving as Acting Director.

As usual, summer was a busy time at the Sanctuary. We hosted several summer interns and the Friends funded a summer camp coordinator, Matt O’Connor. Intern Darcy Herman’s research focused on the insects in two different habitats within the Glendening Preserve - the micro-desert habitat in the sand barrens and the butterfly garden. Jug Bay also hosted interns from our two county STEM high schools. Duncan Squires, from South River High School, and Sean Smith, from North County High School, both conducted turtle telemetry research.

We all enjoyed hearing the interns presentations about their research at the summer picnic, and seeing the summer camp photos Matt shared. Matt talks about his experiences this summer elsewhere in this issue of Marsh Notes, while more information about Darcy Herman’s research will appear in the winter issue.

On a personal note, I’d like to offer a little about my background. I am an attorney, by training, and worked, for many years, in downtown D.C. with the Department of Justice. Thanks to my husband, Peter, I learned to enjoy hiking, sailing, canoeing, and camping. When we were younger, we spent much of our leisure time outdoors. As years passed, thanks to demanding jobs and a long commute, our sailboat, canoes, and camping gear, got little use. I am enjoying reconnecting with nature and Jug Bay has played a large part in that.

I have been a Friends member since 2010 and joined the Board in 2012. I first came to Jug Bay with my daughter, who is now in college. When I learned that, at Jug Bay, anyone with an interest can learn about local ecosystems and even participate in conducting scientific research, I was hooked. Since joining the Friends, I have found that one of Jug Bay’s greatest resources is the depth of knowledge and generosity of spirit of its members and volunteers. Many of you either have spent a career working in environmental education, research, policy, or conservation or are gifted naturalists by avocation. As a beginning naturalist, I have learned a great deal from you already and look forward to learning more!

Most of my time volunteering at the Sanctuary has been spent on publicity and planning for events. I have been learning the ropes from Susan Nugent, our Secretary, and, until recently, Outreach Chair, and I’m looking forward to working with our new Outreach Chair, Anne Muecke, on this year’s events.

Last, but not least, I’d like to thank our outgoing President, Harry Coulombe, for his confidence in me. I was pleased and surprised when Harry asked me to serve as Vice President, and again when I learned that I would be the new President this summer, after Harry and his wife moved out of state. I look forward to working with you!

Nora Terres, President
### Life and Death in the Jug Bay Community

#### A Tribute to Two Former Staff Naturalists

The summer also brought sad news to the Jug Bay Community. Marcy Damon and Mark Peabody, two of our former naturalists and longtime friends of the Sanctuary, passed away recently. Their deaths are a grievous loss.

#### Mark Peabody

Mark Peabody came to the Sanctuary as a volunteer in the winter of 1991-92. His expertise as a homebuilder led to projects that included constructing the mist net poles for the breeding songbird study. Discovering an aptitude and a passion for working with kids, he began to lead nature programs and joined the Sanctuary staff in September 1992. He taught with spirit and creativity, devising games and activities for children at the weekend Discovery Programs, and the Sanctuary summer camps, as well as scores of young students during the school year.

His work with children inspired him to go back to school, first at Anne Arundel Community College and then at the University of Maryland, where he earned a master’s degree in special education. He left the Sanctuary staff in the fall of 1993 but continued to volunteer until he moved to New England, producing the window shutters for the Wetlands Center extension and footbridges for the Beech Trail.

All of us who enjoy walking on the Upper Railroad Bed Trail to see the turtles basking on logs or to look for tadpoles in the water are following in his footsteps. That body of water is known, and will always be known, as “Mark’s Pond.”

#### Marcy Damon

Marcy Damon joined the Sanctuary staff in the fall of 1993. She arrived with a love for nature that began in her childhood in New Hampshire and carried through to a degree in resource conservation and environmental issues. She earned her degree at American University while working for the Rachel Carson Trust in Montgomery County.

At the Sanctuary, Marcy directed plant studies in the marsh, maintaining her “keen mind, eager curiosity, and friendly sense of fun” even during the hottest afternoons, as one Sanctuary friend recalled. She led countless hikes, canoe trips, and boardwalk lectures, connecting thousands of young students and adults with nature. And her weekend Discovery Programs had style—who could resist one called “Do Elves Live Under Toadstools?”

Marcy left the Sanctuary in 1999 to work for the American Chestnut Land Trust and the Chesapeake Bay Foundation, but her ties to Jug Bay stayed strong. And her appreciation of life can inspire us still. Her former colleague Karyn Molines recalls:

“...I spent a day with her late last year—I’m not sure she knew of her illness yet. We spent the day walking the trails of Battle Creek Cypress Swamp. She helped me admire the everyday plants in a forest that both of us had explored many times before.

“Now, as I walk through the woods, I am reminded of the many times I walked the trails of Jug Bay with her. And I will strive to relish the beauty found all around us.”

#### Baby Baden Is Here!

This summer, on June 27th, naturalist Heather Baden and her husband welcomed their son, Eric, into the world. The staff is very happy for Heather, but also glad that she is back to help with all our fall programs! The new family is doing well and sends their regards to everyone.
Red-eyed Vireo Sets North American Longevity Record

By Sandy Teliak

On 3 June 2003, three bird banders set out to make their morning rounds at the Jug Bay MAPS station. Little did they know that a routine banding that day would have big consequences ten years later. For those unfamiliar, MAPS or, Monitoring Avian Productivity and Survivorship, is a research program started in 1989 by the Institute for Bird Populations (IBP). The objective is to gather data on population size, survival rates, and offspring abundance for over 150 migrant and year-round species during the breeding season. IBP develops statistical models of how survival rates relate to environmental factors such as habitat structure, forest composition and weather/climate change. They then determine reasons for population changes and suggest management actions to enhance survivorship and productivity on a macro scale. The Sanctuary is one of hundreds of MAPS stations in North America that are data gathering. We have been a participant since 1990 which makes us one of the oldest continuously operating MAPS stations.

On that fateful day of 3 June 2003, the banders came across a Red-eyed Vireo, a commonly caught species. Mike Quinlan banded it with number 2031-91116 and aged it as an adult bird—meaning it was born in 2002 or earlier. They then took assorted measurements and released it. Fast forward ten years to 23 May 2013. Our MAPS banders are out making net rounds and come across a previously banded Red-eyed Vireo. We noted the band number and processed it as we normally do. Afterwards, we learned that the Red-eyed Vireo we had recaptured that day was banded by us, ten years ago. A check of the North American Longevity database administered by the Bird Banding Laboratory at Patuxent Wildlife Research Center, showed that this Red-eyed Vireo weighs about 17 grams—the equivalent of three nickels and one penny. It migrates to its wintering grounds in the Amazon Basin and because of breeding site loyalty, returns to Jug Bay to breed—a roundtrip of 4,000 to 6,000 miles per year! Since this little bird has made at least ten roundtrips, it has covered 40,000 to 60,000 miles (or more) in its lifetime. Red-eyed Vireos must be a hardy species. We have records for three other vireos that were at least eight years old before they no longer returned. The only other Jug Bay species that came close to a North American longevity record was an Ovenbird we banded that was last observed in 2003 and aged at least 9 years 11 months. The record is 11 years.

Because of our consistency in the MAPS program, our data set will continue to provide very valuable survivorship and productivity information to the researchers at IBP. Since 1990, we have banded over 2,800 birds of 64 species, and had 1,670 recaptures of 803 individual birds (mostly banded here) of 36 different species. Time will tell what other amazing information lies waiting in the data.

Sandy Teliak has been a dedicated volunteer since joining the Jug Bay Community in 2004. In addition to research assistance with the MAPS bird banding project, he provides stewardship assistance with construction projects and habitat improvement work.

Red-eyed Vireos are an easily heard summer songbird at Jug Bay. They migrate to our insect-rich forests each year from the Amazon Basin to raise their young.
• Registration is required for all programs. To register, call 410-741-9330 or e-mail programs@jugbay.org. Visit www.jugbay.org for directions, information, and updates to our schedule.

• Open to the public 9 am-5 pm Wed, Sat, and Sun. (Closed on Sundays, Dec – Feb) Glendening Preserve is open to the public 9 am-5 pm every day for hiking. (Closed on holidays)

• Expanded Access: Open Fridays 7:00 am - sunset, Apr – Oct; 9:00 am - 5:00 pm, Nov - Feb. Plummer House gate open Mon – Sat, 9:00 am - 5:00 pm.

• Patuxent Wetland Park and Wootons Landing open daily, dawn to dusk for fishing and cartop boat launching.

• Programs are open to families and individuals. An adult must accompany children under 13. Please note age limits for each program.

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**Birdwalk**
*First Saturday of each month; 8:00 - 11:00 am*

Learn the skills of identifying birds by sight and sound. Experience the amazing bird diversity of the Sanctuary. Binoculars and field guides available to borrow. Not appropriate for children younger than 12.

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**Butterflies, Birds, and Blooms**
*Saturday, Sep 14; 10:00 am – noon*

Explore the Butterfly Garden and surrounding meadows at the Glendening Nature Preserve with a naturalist. We’ll look for seasonal butterflies, learn what flowers are blooming, and spot songbirds and soaring birds of prey. For adults and families with children at least 8 years old.

Meets at Plummer House, 5702 Plummer Lane, 20711.

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**Marsh Ecology by Canoe**
*Saturday, Sep 14; 10:00 am – 2:00 pm*

Discover the abundant wildlife in the Patuxent River wetlands. We’ll paddle up the smaller branches of the river to look for beavers, birds, and flowering wetland plants. Children must be at least 7 years old and accompanied by an adult.

To reserve a space, download and complete the registration form from http://www.jugbay.org/education/canoe/programs/public-trips and mail with your payment of $10 per person to the Sanctuary.

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**Autumn Camp Out**
*Saturday, Oct 26; 4:00 pm – Sunday, Oct 27; 9:00 am*

Camp out with Sanctuary naturalists for a night of fun. We’ll start by cooking hotdogs over the camp fire, then we’ll take a night hike to listen for nocturnal animals. Later, we’ll return to the camp fire for s’mores. In the morning, enjoy a light breakfast on our scenic observation deck to close out the event.

For families with children at least 6 years old. Bring a side dish to share for dinner and your own camping gear. Some gear is available to borrow. Fee: $10/person, or $25/family. Make checks payable to Friends of Jug Bay. Space is limited.

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**Women in the Woods**
*Saturday, Oct 19; 9:30 am – 1:30 pm*

This program is for women to explore and enjoy a peaceful day in the outdoors. We’ll hike through the forests and wetlands of Jug Bay, then practice Qigong, an ancient practice integrating physical postures, breathing techniques and focused intention. We’ll enjoy lunch, followed by more nature activities.

Space is limited. Mail your $15 check in advance to the sanctuary (checks made out to Friends of Jug Bay).

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**Pre-School Program: Nature Play Space**
*Friday, Sep 20; 10:00 – 11:00 am*

Come and explore our new Nature Play Space! For ages 3 – 5.

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**Bill Steiner Memorial Canoe Trip**
*Sunday, Sep 29; 2:00 – 7:00 pm*

Join Sanctuary director Pati Delgado for an evening paddle along the marshes of the Patuxent River. The trip is in honor of Bill Steiner, long-time volunteer, canoe guide, and FOJB president. Participants will learn about Patuxent history and wetland ecology along the way. Wine and cheese will be served during the trip. Fee: $25/person.


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**Kayak the Patuxent River**
*Saturday, Oct 5; 9:00 am – 2:30 pm*

Kayak a beautiful stretch of the Patuxent from Wootons Landing to Jug Bay Wetlands Sanctuary. Children must be 13 years or older. For more information, see http://www.aacounty.org/recparks. Call 410 222-7313 to register.

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**Birdwalk**
*First Saturday of each month; 8:00 - 11:00 am*

Learn the skills of identifying birds by sight and sound. Experience the amazing bird diversity of the Sanctuary. Binoculars and field guides available to borrow. Not appropriate for children younger than 12.

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**Woman in the Woods**
*Saturday, Oct 19; 9:30 am – 1:30 pm*

This program is for women to explore and enjoy a peaceful day in the outdoors. We’ll hike through the forests and wetlands of Jug Bay, then practice Qigong, an ancient practice integrating physical postures, breathing techniques and focused intention. We’ll enjoy lunch, followed by more nature activities. Space is limited.

Mail your $15 check in advance to the sanctuary (checks made out to Friends of Jug Bay).

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Catch the Light Photography Workshop
Sunday, Oct 27; sunrise to sunset
Photographers often take their best pictures in the sunrise or sunset hours. On this day, the Sanctuary opens one hour before sunrise and closes one hour after sunset to give photographers this opportunity. Wander around on your own and also enjoy a short late afternoon hike with a naturalist to point out some good fall color photo opportunities. From noon to 2, you will have a chance to meet other photographers, discuss the photos you took, and get photography tips and suggestions from the workshop leader. Laptops welcome. Guidance on Lightroom is available. You can come and leave at any time. Please register before Oct 11. Limited to 20 participants. Registration: send a check for $20 made out to Friends of Jug Bay. Write “October 2013 Photo Workshop” in the memo field and carefully print your email address in the upper left corner. Mail the check to the Sanctuary. Questions: contact the workshop leader Colin Barnett (colinbarnett88@gmail.com)

ColorFall
Sunday, Oct 27; 1:00 – 3:00 pm
Enjoy the fall colors on a hike, then gather for refreshments and a chance to meet Patti Delgado, the Sanctuary’s new director. Free.

Jug Bay Post Turkey 5K Race
Saturday, Nov 30; 8:00 – 11:00 am
Enjoy the beautiful, scenic trails of Jug Bay Wetlands Sanctuary in Lothian. The trail is all off road with some single track areas. The Jug Bay Post Turkey Trail 5K is part of our new race series designed to give Anne Arundel County residents and visitors opportunities to Move More! All proceeds from the race go to Recreation Deeds for Special Needs, a local non-profit organization dedicated to making recreational activities accessible to all Anne Arundel County residents. Registration begins at 8:00 am, the race starts at 9:30 am. For more information, or to register online, visit www.aacounty.org/recparks

Holiday Wreath Making Class
Saturday, Dec 7; 1:00 – 3:00 pm
We will supply everything you need to make a beautiful wreath for the holidays using greens from the Glendening Preserve and areas around Jug Bay. Whether you are a novice or an expert, we will help you make a wreath for your front door or a centerpiece for your table. Space is limited, so register early. Fee: $30/person or $25 for active volunteers and FOJB members. Help with the invasive plant removal in the morning to qualify for the discount. Payment must be received within 10 days of registration. Drop off payment or mail your check (made out to Friends of Jug Bay) to the Sanctuary.

Off Trail Adventures at the Preserve
Saturday, Dec 21: 2:00 - 4:30 pm
Take a break from shopping for fresh air and exercise on the shortest day of the year. On this off-trail hike around the perimeter of the Glendening Preserve, you’ll visit the largest tree, the Galloway Creek floodplain, and the new boardwalk to view the marsh on the first day of Winter. For those participating in the Wegmans Passport to Family Wellness program, you’ll pass all four of the trail markers on the Sanctuary. For further information, and to obtain a passport, see one of the staff in the Wetland’s Center or visit: www.wegmans.com For ages 12 and up. Free. Meets at Plummer House, 5702 Plummer Lane, 20711.

Skunk Cabbage Swamp Stomp
Sunday, Feb 2; 1:00 – 3:00 pm
Celebrate World Wetlands Day! Volunteer Siobhan Percey has been studying skunk cabbage at Jug Bay and has learned a lot about this unusual wetland inhabitant. Join her for our second annual off-trail adventure to visit this fascinating plant, in bloom, along the swamp edges. Wear boots that can get wet. For adults and families with children 8 years and older.

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Friends of Jug Bay

We would like to thank and welcome the following new members to the Friends of Jug Bay:

Kirk Adams
Bernard Adusei
Dennis Apel
Rolf Arnesen
Jonathan Baer
Don & Linda Baier
James S. Bardley, Jr.
Chuck Barnes
Mike Beck
Suzanne Benedict
Barbara & Stephen Bent
The Family of Bissell
Sharon Bloomfield
Mr. & Mrs. Vernon Boves
The Family of Bridges
Bob & Gail Brownlee
Kally & Angelo Campagne
Joseph Campos
Laura Castner
Joy Chambers
Penny Cooghe
Bill Conway
Linda Copeland
David & Linda Crump
Ray Danner
Kathleen & Daniel Dister
Erin Dozier
Elizabeth Drachman
The Family of Ebert
Michael Edillon
Hans Plugge
& Abby Ershow
Ken Field
James Firth
Tom Freeman
Robert J. Gillanders
Cathy & Chris Gress
Michelle Guillermin
Sanimi Harris
Wilda Heiss
Lee C. Herbert
Todd Hettenbach
Karen Hold
Tom Hudson
Dominick P. Iascone, Jr
Charlie Irons
Theresa Jacks
Christopher Jenson
Jean Kapusnick
Kristina Karbett
Christopher Kirby
Bob & Rosh Kovict

William Kramer
Susan Larcher
Maren Leer
Rachel Lewis
Kathleen Liedy
Erin Markowitz
John & Sheila Marx
Ron McClain
Sean McGuinn
Brad & Amy McLane
William Barnes
& Wanda Miller
Crane & Jane Miller
Geneva Moejew
Holly Moehlmann
Valerie Napawanetz
John & Donna Norris
Siobhan C. Percey
Doris Petini
Tom Pike
Tom Cash & Wendy Porry
Frank & Anne Reicharter
Karen Rhoades
Leslie Robertson
Lisa Summers
& Chris Ryder
Judith Sasser
Anne & Michael Saul
Michael Meyer
& Daniella Scalce
Doris Schmitz
Chun-chia Shih
Shawn & Amy Smith
Larry & Jeannie Smith
Drew Snyder
Mark & Bonnie Spicknall
Linda Steiner
Warren & Lisa Strobel
Adrianna Stutzman
Joan Taylor
Robin Tillery
Larry Tindal
William Tucker
Hugh Vandervort
Randy Watson
Helen Alexander
& Roland Weiss
Ben & Phyllis Wheeler
Bart Wicker
Colin & Ann Wood
Volunteer Statistics

Summer 2013

Joe Acton
Blythe Alexander
CeCe Arrington
Charity Arrington
Courtney Arrington
Myles Arrington
Tere Baranano
Bill Barnes
Colin Barnett
Brianna Beauchamp
Mike Blackstone
Susan Blackstone
Jess Boesch
Allison Bobac
Brittany Bonnick
Cynthia Bravo
Sharon Brewer
Mari Bronher
Judy Burke
Mary Burton
Danny Bystrak
Jeff Campbell
Karen Caruso
Kathy Chow
Alan Christian
Regan Christian
Ed Conaway
Kathy Conaway
Chris Condit
Harry Coulombe
David Davis
Cathryn Dippo
Ben Doody
JoAnn Dullahan
Laura Dullahan
Linda Ebersole
Kim Elliott
Kirsten Enzinger
Dave Farr
Jack Filzenzi
Jean Filzenzi
Lee Fisher
Bob Ford
Mariza Freeland
Richard Freeland
Robert Frezza
David Gillham
Joyce Gillespie
Diane Goebes
Christine Gordon
Jill Greaney
Sara Guan
Shane Guan
Jim Harle
Patch Hicks
Stan Hopkins
Amy Hudson
Angie Johnson
Jeann Kapuscinski
Christine Lanier
Dave Larrabee
Daniel Lind
Eric Lind
David Linthicum
Cliff Loudermilk
Clara Mankowski
David McDowell
Rob McEachern
Sean McGuinn
Pat Melville
Gene Meyer
Bill Miles
Dave Mozurkewich
Anne Muecke
Manfred Muecke
Dotty Munford
Jennifer Muro
John Norris
Susan Nugent
Dusty Orr III
Starr Orr
Zachary Osborne
Karyn Owens
Siobhan Percey
Dave Perry
Bryan Peterson
Tom Petka
Ashleigh Piccoli
Michael Quinlan
Allison Redington
Gordon Reynolds
Cathy Rickards
Doris Schmutz
Anna Schollenberger
Jeff Shenton
Rob Steinberg
Brenda Stoyer
Sandy Tielak
Nora Teres
Emily Thorpe
Joe Torsani
Denny Townsend
Angela Trenkle
Al Tucker
Peter Uimonen
Sara Van Schaal
Ben Ward
Sam Ward
Crystal Webb
David Wehrs
Leigh West
Kevin Wetherington
Bob Williams III
Bill Wilson
Kim Wortman
Jack Yee
Mary Yee

Volunteer Groups:

International Volunteers

During the summer, volunteers logged 2109 hours.

Your collective contribution is worth over $47,000.

Thank You!

Upcoming Volunteer Events

• Most of our projects require no experience, come to learn!
• To sign up or for more information, call 410-741-9330
• Groups must call to arrange a separate event, unless otherwise noted.
• Please note age limits for each event.

Stewardship: Invasive Plant Removal
Saturday, Oct 12; 10:00 am – noon
Saturday, Dec 7; 10:00 am – noon

Volunteers are needed to help remove non-native invasive vines from the Glendenning Nature Preserve. These vines strangle trees and compete with more beneficial plants. Scout and community groups welcome. Bring work gloves and pruners if you have them. Dress in long pants and long sleeves to prevent scratches.

Meets at Plummer House, 5702 Plummer Lane, 20711.

Research: Stream Monitoring
Saturday, Nov 2; 10:00 am – 3:00 pm
Saturday, Feb 15; 10:00 am – 3:00 pm

Join us to learn about stream ecology and assist with our research, focused on three streams flowing through the Sanctuary. We’ll hike to the stream, sample for stream insects, then bring them back to the Wetlands Center by noon for the afternoon sorting and identification session.

For teens and adults. No experience necessary.

Research: Winter Waterbird Survey
Thursday, 7:30 – 9:30 am; check website for dates

Enjoy the beauty of an early winter morning on the Patuxent while counting waterbirds: Canada geese, harriers, eagles, herons, and many different kinds of ducks. Dress for the weather and wear comfortable walking shoes. Bring binoculars, a field guide, and a spotting scope if you have them, also available to borrow. For adults. No experience necessary.

Research: Phytoplankton Monitoring
Fridays, 1:30 – 4:00 pm; check website for dates

Phytoplankton—the microscopic algae on which the entire aquatic food web depends—are also indicators of water quality. Volunteers are needed to help collect a sample from the river’s edge, then back in the lab the phytoplankton are identified and counted. For teens and adults. No experience necessary.

Stewardship: Garden Club
Tuesdays & Thursdays; check website for dates and times

Join fellow gardeners, butterfly watchers, and native plant enthusiasts in our garden maintenance club. Volunteers weed, water, prune, and otherwise maintain the gardens around our buildings. Benefits include: resources for plant selection and design, learn to identify beneficial insects, and get free plants and cuttings to take home. Bring work gloves, a snack, a refillable water bottle, hat and sun screen, and clothes and shoes that can get dirty. Open to anyone willing to work. Walk-in’s welcome.

Donations:

• Judy Burke & Rick Malmgren: Shop vac, metal folding easel for presentations
• Harry Coulombe: wildlife camera, office and camping supplies, dip net, rain ponchos
• Suzanne & Dylan vanDrunen: two Purple Martin houses with mounting poles
• The Lind Family: Old Town Expedition canoe
• Karen Caruso: ream of waterproof paper for research projects
• Mike Quinlan: Amphibians and Reptiles of the Carolinas and Virginia guide
• Tere Baranano: native and invasive plant guide books
• Jeff Campbell: 12 pairs of research gloves
• Ed & Kathy Conaway: Paddle canoe
What Summer Camp Means to Me

By Matt O’Conner,
2013 Camp Director

Summer camps are where kids make everlasting friendships and learn new things about themselves as they grow. This past summer I was delighted to be the Sanctuary’s Camp Director. I was involved with their superb outdoor education programs and was able to grow as an educator.

I am a lover of knowledge. I graduated from Towson University this past spring with a degree in Biology and Environmental Science. I also received my teaching certification in secondary education while I was attending Towson University. I am an active member in my community of Annapolis for environmental change and realize the importance of environmental education. My experience at Jug Bay summer camps has enhanced my ability as a classroom educator and has prepared me to engage and focus students on science. What inspires me is students’ interest in the exploration of the natural world. These camps provided the chance to witness this type of learning and show kids the awesomeness of nature.

The Wetland Eco Adventure camp introduced 5th and 6th graders to the importance of wetlands and the vast array of species that live here. Campers became engaged in this experience and displayed their interest in the natural world. As an educator I was proud at how well the campers immersed themselves in nature and at their comprehension of the world around them. A River Runs Through It camp for 7th and 8th graders provided the chance for campers to become stewards of Jug Bay and involve themselves in conservation measures. Campers participated in water chemistry research and used their results to analyze the river’s health. As the director I was able to witness campers making direct connections to the Chesapeake Bay and providing viable restoration tactics that can be taken to improve our environment. Campers exemplified being active members of society by the end of both of these camps

and will hopefully lead by example in their schools this upcoming year.

As the camp director and future public school teacher I can say these camps provided a strong foundation for science literacy and preparing kids for the 21st century classroom. Jug Bay Wetlands Sanctuary is a great resource for Maryland and provides an exceptional place for children to learn. My experiences here will not be forgotten and hopefully will continue into the future.

Visit the Sanctuary’s flickr.com site for more pictures of camp.

Take a Closer Look...

Prickly Pear

By Jacob Boesch

Jacob is a student at Crofton Middle School and has been volunteering with his mom and sister since 2002.

What kind of plant has a fruit that is edible and can be used in a smoothie or lemonade? Our own local, native, cactus Opuntia humifusa. Commonly called the prickly pear, or devil’s-tongue.

Inside the pads, or cladodes, hold water. On top of the one-foot tall connected pads, there are also some green funnel shaped “cups” of the cactus where it holds the flowers and the dark red fruits. There are no long-needled spines, but hardly visible small prickles called glochids, which if one touches it, the skin gets irritated. The yellow flowers bloom from June to August.

It grows well at the Sanctuary where we have sandy meadows with surrounding pine habitat. We are fortunate to have a healthy population here. In Connecticut, it is a species of special concern, New York considers it “exploitably vulnerable”, rare in Pennsylvania, and endangered in Massachusetts. The Sand Barrens at the Glendening Nature Preserve offer the best habitat and abundance of the cacti. Come take a closer look at this fascinating plant…
New Nature Play Space Installed

By Elaine Friebele

Young children have a new place to play, explore, and have fun at Jug Bay Wetlands Sanctuary. Don’t look for a plastic jungle gym in bright primary colors, though! A Nature Play Space is designed to integrate natural components into a place for structured and unstructured play and learning. In Jug Bay’s Nature Place Space, kids can balance on a log, jump from stump to stump, pretend to paddle a canoe, play homemade musical instruments, hide in a vine hut, dig in the dirt, or make artful arrangements of objects from nature.

The updated and expanded Nature Play Space was made possible by a well-organized intern, two grants, donations, brainstorming Girl Scouts, and the labor of about 20 young people. Emily Thorpe, a 2013 Chesapeake Conservation Corps (CCC) intern, hosted by our partners the Chesapeake Bay National Estuarine Research Reserve, Maryland; split her time between the Reserve’s education and stewardship projects. Each year, CCC, which is supported by the Chesapeake Bay Trust, supports several All Hands projects, providing $1500 in funds and the labor of the other CCC interns for restoration or environment-enhancing projects. Emily’s proposal for a Nature Play Space was chosen as one of only two All Hands projects.

In mid-May, 20 energetic, hard-working, and creative CCC interns converged on the Sanctuary, wielding shovels, rakes, pruners, paintbrushes, and weeding forks. Guided by Emily, they transformed the forest patch by the Observation Deck and the small garden in front of the Wetlands Center into Nature Play Spaces in a single day!

Native plants for the space were purchased with a grant from Unity Gardens, a non-profit organization that supports the building of community partnerships through the creation of greening projects, environmental enhancement and education. Girl Scout Troop 2241 came up with ideas for the play space and later showed up to paint “tree cookies” to decorate the space. Adam’s Ribs of Eastport provided lunch at cost, Starbucks of Annapolis donated breakfast, and David Wehrs contributed free mulch.

This project is a model for partnerships—between Anne Arundel County Recreation and Parks, the Friends of Jug Bay, the Chesapeake Bay Trust, Chesapeake Conservation Corps, Maryland Department of Natural Resources, and Girl Scout troop 2241 of Central Maryland.

The next time you visit the Sanctuary, be sure to check out the new Nature Play Space. Chances are, you’ll see some children having a good time there, or at least a toad peeping out from one of the stumps!

Children can take an imaginary canoe adventure.

The 2012-13 Chesapeake Conservation Corps crew transformed parts of the Wetlands Center yard into two inviting Nature Play Spaces.

Welcome to the new Nature Play Space!

Girl Scouts from Troop 2241 test out the stump jump.

Musical instruments and an art table round out the offerings within the Nature Play Space.

What will your imagination turn this viney structure into?
National Estuaries Day is September 28th

By Trystan Sill

It seems that there is a “holiday” for everything. In the month of September alone there is a Grandparents Day, Sewing Machine Day, National Peanut Day, and International Rabbit Day. However, for those of us living in the Chesapeake Bay watershed (areas of WV, VA, MD, DE, DC, PA, and NY that drain into the Bay and its contributing rivers), there is a little-recognized, but special holiday: National Estuaries Day. Established in 1988 as part of “Coast Weeks,” the fourth Saturday in September is set aside to inspire us and to remind us that those who cherish their estuaries are not alone!

An estuary is typically known as an area where the “river meets the sea.” The Chesapeake Bay is the third largest estuary in the world. Estuaries are vital to migratory species; provide critical habitat for plants and animals; prevent coastal erosion; are important recreation, tourist, and economic areas; and are critical for the future and health of the oceans. National Estuaries Day helps us spread that message. Without our Bay we would not have a safe nursery for young Yellow Perch, White Perch, or Blue Crabs, and without safe, swimmable waters an enjoyable afternoon on the Bay would no longer include waterskiing or tubing. It is important to remember that we all “live downstream” and we are connected to the water by our actions. Future generations have every right to expect swimmable, fishable waters from this wonderful and essential resource.

There are numerous National Estuaries Day events nationwide. These help people feel more connected to the beautiful places in their watersheds and teach them how they can encourage its healthy future. This year National Estuaries Day is on the 28th of September. It will be celebrated in Maryland by the Chesapeake Bay National Estuarine Research Reserve-MD sites at Anita C. Leight Estuary Center in Abingdon, Jug Bay Wetlands Sanctuary in Lothian, Patuxent River Park in Upper Marlboro, and at the 20th annual Wetlands and Wildlife Field Day for the 4th graders of Somerset County. These parks have wonderful family programs that are perfect for those new to estuarine fun, and to those with years of memories on the water. Be sure to look for local events in your area, no matter which state you find yourself in. To find more information visit: www.dnr.state.md.us/waters/CBNERR.

Discover one of our wonderful and harmless snake species on an Estuaries Day adventure!

The Chesapeake Bay watershed drains parts of six states, and Washington D.C.
Catch the Light Photography Workshop

Sunday, Oct 27; dawn to dusk
Photographers often take their best pictures in the sunrise or sunset hours. On this day, the Sanctuary opens one hour before sunrise and closes one hour after sunset to give photographers this opportunity. At this time of year, good fall colors abound. In the afternoon, there will be an opportunity to shoot a model outdoors, not for a typical portrait, but as a “human in the landscape”. From noon to two, you will have a chance to meet other photographers, discuss the photos you took, and get photography tips and suggestions from the workshop leader. No formal instruction is offered, but guidance on Lightroom is available. Laptops welcome; no wi-fi available. You can come and leave at any time.

Please register before Oct 20. Limited to 20 participants.
Send a check for $20 made out to Friends of Jug Bay.
Write “October 2013 Photo Workshop” in the memo field and very neatly and clearly print your email address in the upper left corner. Mail the check to JBWS, 1361 Wrighton Road, Lothian, MD 20711. All proceeds from this event are used by the Friends of Jug Bay to support the Jug Bay Wetlands Sanctuary.