

# FRIENDS OF BOMBAY HOOK

*Newsletter*



**Vol. 23, No. 3  
June 1, 2013**

## ***Our Mission Statement:***

**The Friends of Bombay Hook is a not-for-profit corporation working in conjunction with Bombay Hook NWR and the U. S. Fish and Wildlife Service. It supports and enhances educational and recreational programs at Bombay Hook, provides volunteer services and financial assistance and serves as a link between the refuge and the public.**

***The Annual Meeting will be held on June 8, 2013 @ 10:00 AM. All FOBH Members are invited to attend.***

***The Visitor Center will be closed on the weekends for the summer beginning June 9, 2013.***

**Published Quarterly by  
Friends of Bombay Hook, Inc.  
2591 Whitehall Neck Road  
Smyrna, DE 19977  
(302) 653-6872**

**<http://www.friendsofbombayhook.org>**

**Find us on Facebook!!**



## ***The President's Corner By Frank Rawling***

### **Retiring – Once Again**

This is the last President's Corner I will compose. I thought I had reached this point several years ago but that was not to be. In June at the Annual Meeting the Friends will elect a new President. When I was asked to stand for the office two years ago I agreed on the condition that if elected I would only serve for two years – a self-imposed term limit! And so the time has come to hand over the post.

This year has been a memorable one for the Refuge. It was the 75<sup>th</sup> Anniversary of the founding of the Refuge – 1937 was the magic date. Much has happened at the Refuge in those 75 years. In the last few issues of the newsletter we printed a shortened version of the history of the Refuge by former president Bob Mayer. We hope that you enjoyed those columns. What will the next 75 years bring? What role will the Friends play in the grand scenario? A younger generation is posed to take over the helm of leading the Friends. They bring to the task new ideas and the energy to follow through on those ideas. Several examples of the ideas and dedication of this younger generation have already shown what is possible.

The 75<sup>th</sup> Anniversary celebration was largely put together by several of the younger members of the Board. The result was a fantastic day of celebration with one of the largest number of visitors I have seen at the Refuge. My thanks to all of the Board members and volunteers who put on this event. Many visitors were introduced to the Refuge for the first time. Much merchandise was sold in the store and that translates to additional funds to help support the Refuge.

Speaking of the store, it has been totally redone over the last couple of years to make it more user-friendly. This is another example of the ideas and energy of the new generation of Friends. This group has also put together a very active birding club with field trips not only on the Refuge but to other areas as well. Also, on selected Saturdays or Sundays, a bird ID station has been operating out on the Refuge to assist visitors in the spring and fall.

At the Annual Meeting the torch will be passed. I think the Friends of Bombay Hook will be in good hands. The challenges will be many and meeting them will be difficult but I feel that the new group will rise to the challenge.

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# BIRD NOTES

By Franklin Smith

Winter Period December through  
February 2013

This edition of the Friends' Newsletter will mark my first foray into reporting on pertinent bird observations in this column. Frank Rawling has edited this portion of the Newsletter in an admirable manner for several years but now wishes to turn over the reins to someone else. I hope I can continue reporting in a manner up to Frank's standards. I plan to include in my quarterly report notes of interest related to bird observations at Bombay Hook. Included will be mentions of some arrival dates of species of interest, unusual sightings and migration notes when I can obtain that information. Sources of information will include bird observation sheets by refuge visitors, internet postings of Refuge sightings such as Birdline Delaware, data collected by state and federal biologists (especially aerial waterfowl survey data), as well as personal observations and communications. I urge refuge visitors to post their observations on either the sheets or on the E-Bird Tracker in the Visitor Center.

## **Reported Sightings**

Most wintering species of waterfowl common to the area were present on the refuge during the entire report period. Although populations fluctuate, refuge visitors could normally encounter most species of dabbling ducks common to the Delmarva Peninsula with the exception of Blue-winged Teal and possibly Wood Ducks during most of the report period. As is normally the case Black Ducks, Mallards, Green-winged Teal, Pintails, Shovellers, and Gadwalls are usually the most abundant species of dabblers with Buffleheads, Ruddy Ducks, Scaup, and Mergansers the most common divers. Limited icing of the impoundments and adjacent salt-marsh-made wintering conditions favorable throughout the period. In addition, the lack of significant snowfall did not force goose populations to relocate due to snow cover. Mid-January aerial waterfowl surveys reported Snow Goose numbers at approximately 125,000 birds for the state. Of course, these birds are very mobile and may be on the refuge in large numbers one day and 25-30 miles away the next. In the following paragraphs I have grouped the reported observations by week throughout the winter period. When specific locations are included with the reports, such as pool name or field location, I have grouped the observations for that week by land features (in bold type).

**12/01 - 12/07** - **Near Allee House:** Rough-legged Hawk (light phase); **Raymond Pool:** Avocets (397), Marbled Godwits (6), Black-necked Stilt (1), with numerous Dowitchers & Black-bellied Plovers; **Near Visitor Center:** American Pipit and White-crowned Sparrows; **Bear Swamp:** Black-crowned Night Heron (11); **Sheariness Pool:** American Bittern (1).

**12/08 - 12/15** - **Raymond Pool:** Marbled Godwits (5), Avocets (100), Black-necked Stilt (1), Dowitchers, and Wilson Snipe; **Sheariness Pool:** American Bittern (2) and a Peregrine Falcon; **Bear Swamp:** Cedar Waxwings (50).

**12/16 - 12/23** - **Raymond Pool:** Marbled Godwits (3), Avocets (130), Black-necked Stilt

Friends of  
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is published quarterly by "Friends of Bombay Hook, Inc. (FOBH)", a non-profit 501(c)(3) organization working in conjunction with Bombay Hook NWR and U.S. Fish and Wildlife Service. FOBH provides financial and developmental support for environmental education programs at the refuge and in communities throughout the region.

Our readers are encouraged to share comments, provide articles for publication and/or suggestions regarding the refuge as well as notifying us of address changes.

Please direct communications to:

Friends of Bombay Hook, Inc.  
2591 Whitehall Neck Road  
Smyrna, DE 19977  
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email: [fohmembership@idv.net](mailto:fohmembership@idv.net)  
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(1), Dowitchers (4), Clapper Rail (2), Blue-winged Teal (1); **Sheariness Pool:** American Bittern (1), Ring-necked Duck (4), Hooded Mergansers (4), Ross's Goose; **Bear Swamp:** Black-crowned Night Heron (3), Scaup (5), Short-eared Owl; Woodcock were displaying near the corn cribs this period; **Saltmarsh Boardwalk Trail:** Virginia Rails (4).



**Avocet**

**12/24 - 12/31 - Raymond Pool:** Greater White-fronted Goose (1), Avocets (77), Black-necked Stilt (1), Marbled Godwits, (2), Wilson's Snipe (13); **Sheariness Pool:** Hooded Mergansers (48), Bald Eagles (8); **Refuge Entrance Road:** Many Horned Larks; **Visitor Center:** White-crowned Sparrows.

**01/01 - 01/08 - Raymond Pool:** Black-necked Stilt (1), Avocets (50), Dowitchers and Wilson Snipe; **Sheariness Pool:** Tundra Swans (20), Ruddy Ducks, Pied-billed Grebes, and Common Mergansers; **Finis Area :** Barred Owls (3); **Maintenance Area:** Barn Owls.

Other birds which were reported on the refuge this period included the following: Peregrine Falcon, Short-eared Owl, Brown Thrasher, American Pipit, Tree Sparrow and Rusty Blackbird.

**01/09 - 01/16 - Bear Swamp & Sheariness Pool:** 100 Tundra Swans; **Finis Woods:** Pileated Woodpecker (1); **Raymond Pool:** Avocets, Stilt, & Dowitchers. Other reports included Ring-necked Ducks, Hooded Mergansers, and a Canvasback.

**01/17 - 01/24 - Allee House:** Eastern Meadowlarks (20), Rough-legged Hawk; **Refuge Entrance Road:** Lapland Longspur; **Sheariness Area:** Bald Eagles (9), Red-Shouldered Hawk, Cooper's Hawk, Sharp-shinned Hawk, Pied-billed Grebe, Coots, and all three Mergansers were present.

Both Ross's and Cackling Geese were reported in the large goose flocks on the refuge. **Raymond Pool:** Avocets (8), Black-necked Stilt (1), Dowitchers and Yellowlegs.

Both Barred and Screech Owls were reported.

**01/25 - 02/02 - Visitor Center:** Both White crowned and White throated Sparrows; **Sheariness Pool:** Tundra Swans (80), American Bittern (1), Hooded Mergansers (29); **Money Marsh Flats:** Dunlin (9); **Raymond Pool:** Rough-legged Hawk (1), Short-eared Owl (1), Greater Yellowlegs, Wilson Snipe and Avocets; **Bear Swamp:** Black-crowned Night Herons (4).

Turkeys (21) in field near **Bear Swamp**.

**02/03 - 02/10 - Raymond Pool:** Black-necked Stilt (1), Yellowlegs (5), Red-Shouldered Hawk; **Bear Swamp Road:** Ross's Goose; **Swimming Hole:** Eastern Phoebe (1).

American Tree, Swamp, Fox and Chipping Sparrows reported along with a Lapland Longspur.

**02/11 - 02/18 - Raymond Pool:** Dowitchers, Yellowlegs, Stilt (1), Avocets.

An Eurasian Wigeon was reported as were numerous Ring-necked Ducks, Tundra Swans, Ruddy Ducks and Scaup.

**02/19 - 02/28 - Bear Swamp:** Wilson Snipe (53), Wood Ducks. Yellow-rumped Warblers, Hermit Thrush, and Pine Siskins were reported. Woodcock were displaying near the **Visitor Center**.

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## **Friends' Bird Club**

The Friends' Bird Club has had an exciting 2013 so far. Two terrific outings were planned just for us at two other national wildlife refuges: Blackwater in Maryland and John Heinz in Philadelphia. The Club also spent a morning at the C&D Canal and the Thousand Acre Marsh in March and in Maryland at Unicorn Fishing Pond and the Millington Wildlife Area in May.

We spent a delightful February day at a member's home while watching the many birdfeeders that surround their house near Blackbird State Forest. The Club also enjoyed a January afternoon at Bombay Hook.



As of this writing, there is a tentative trip planned at Conowingo Dam in late May. In mid-June, we will spend an evening in Delaware City watching the herons and egrets returning to their roost on Pea Patch Island.

Attendance on our trips is usually 12 to 15, which includes those who frequently participate and others who can only attend once or twice a year. Some people are brand new to birding, some are highly experienced veterans and most are somewhere in-between. All are welcome!

Most of the group that birded around Unicorn Fishing Pond in May are in the accompanying photo.

This August, we will plan the schedule for fall and next spring. All Bird Club members will be invited to attend. Other than this one planning meeting, the Friends' Bird Club has no regular meetings and no dues. We just go birding!

If you would like to receive notices and last minute updates about future Friends' Bird Club outings, please email Hannah McLennan at [hmclennan@comcast.net](mailto:hmclennan@comcast.net). This list is used solely by the Bird Club.

## **Refuge Store Update**

This continues to be a very successful year. We think we are responding to your requests and that is why the sales have been so solid this spring. New items include Postcards, finally. We have found someone willing and able to supply postcards and they are wonderful. There is a new display rack which holds folding guides, cards and other stationary. It sits next to the wind chime display. Both are proving to be very popular.

There is always room for new volunteers to sit at the store to be available to answer questions and to sell things. The store's profits support the education and recreation programs at the Refuge. If you have benefited from them or enjoy them, you might enjoy sharing them with visitors. Most of what we do is describe the auto tour and answer questions about what birds and other wildlife has been seen. One visitor from Illinois said that a friend had told her to come here instead of Cape May. She was thrilled that she had taken that advice and would give the same advice to anyone else visiting near here, and she plans to return next year. Hearing another person's excitement about our refuge can re-energize our connection to it as well. So, consider working at the Visitor Center. Training is early September for the fall weekend season.

# DELAWARE FIELD CHECKLIST

Delmarva Ornithological Society

Date 5/11/13 Weather RAIN + WIND

Observers - 8 - SPRING BIRD COUNT

Localities

ALL LOCATIONS ON Bombay Hook Wildlife Drive 7:00 AM - 12:30 PM  
104 SPECIES

Localities	1	2	3
Red-throated Loon			
Common Loon			
Pied-billed Grebe			
Horned Grebe	✓		
Red-necked Grebe			
Eared Grebe			
Northern Fulmar			
Cory's Shearwater			
Greater Shearwater			
Sooty Shearwater			
Manx Shearwater			
Audubon's Shearwater			
Wilson's Storm-Petrel			
Leach's Storm-Petrel			
Northern Gannet			
American White Pelican			
Brown Pelican			
Great Cormorant			
Double-crested Cormorant	✓		
American Bittern			
Least Bittern			
Great Blue Heron	✓		
Great Egret	✓		
Snowy Egret	✓		
Little Blue Heron			
Tricolored Heron			
Cattle Egret			
Green Heron			
Black-crowned Night-Heron	✓		
Yellow-crowned Night-Heron			
White Ibis			
Glossy Ibis			
White-faced Ibis			
Fulvous Whistling-Duck			
Tundra Swan			
Mute Swan			
Greater White-fronted Goose			
Snow Goose			
Ross's Goose			
Brant			
Canada Goose			
Wood Duck			
Green-winged Teal			
American Black Duck			
Mallard			
Northern Pintail			
Blue-winged Teal			
Northern Shoveler			
Gadwall			
Eurasian Wigeon			
American Wigeon			
Carvasback			
Redhead			
Ring-necked Duck			
Greater Scaup			
Lesser Scaup			
Common Eider			
King Eider			
Harlequin Duck			
Oldsquaw			
Black Scoter			
Surf Scoter			
White-winged Scoter			
Common Goldeneye			
Bufflehead			
Hooded Merganser			
Common Merganser			
Red-breasted Merganser			
Ruddy Duck			

Black Vulture			
Turkey Vulture			
Osprey			
Swallow-tailed Kite			
Mississippi Kite			
Bald Eagle			
Northern Harrier			
Sharp-shinned Hawk			
Cooper's Hawk			
Northern Goshawk			
Red-shouldered Hawk			
Broad-winged Hawk			
Red-tailed Hawk			
Rough-legged Hawk			
Golden Eagle			
American Kestrel			
Merlin			
Peregrine Falcon			
Ring-necked Pheasant			
Wild Turkey			
Northern Bobwhite			
Yellow Rail			
Black Rail			
Clapper Rail			
King Rail			
Virginia Rail			
Sora			
Common Moorhen			
American Coot			
Black-bellied Plover			
American Golden-Plover			
Semipalmated Plover			
Piping Plover			
Killdeer			
American Oystercatcher			
Black-necked Stilt			
American Avocet			
Greater Yellowlegs			
Lesser Yellowlegs			
Solitary Sandpiper			
Willet			
Spotted Sandpiper			
Upland Sandpiper			
Whimbrel			
Hudsonian Godwit			
Marbled Godwit			
Ruddy Turnstone			
Red Knot			
Sanderling			
Semipalmated Sandpiper			
Western Sandpiper			

Red-necked Stint			
Least Sandpiper			
White-rumped Sandpiper			
Baird's Sandpiper			
Pectoral Sandpiper			
Purple Sandpiper			
Dunlin			
Curlew Sandpiper			
Stilt Sandpiper			
Buff-breasted Sandpiper			
Ruff			
Short-billed Dowitcher			
Long-billed Dowitcher			
Common Snipe			
American Woodcock			
Wilson's Phalarope			
Red-necked Phalarope			
Red Phalarope			
Pomarine Jaeger			
Parasitic Jaeger			
Long-tailed Jaeger			
Great Skua			
South Polar Skua			
Laughing Gull			
Franklin's Gull			
Little Gull			
Black-headed Gull			
Bonaparte's Gull			
Ring-billed Gull			
Herring Gull			
Iceland Gull			
Lesser Black-backed Gull			
Glaucous Gull			
Great Black-backed Gull			
Black-legged Kittiwake			
Gull-billed Tern			
Caspian Tern			
Royal Tern			
Sandwich Tern			
Roseate Tern			
Common Tern			
Arctic Tern			
Forster's Tern			
Least Tern			
White-winged Tern			
Black Tern			
Black Skimmer			
Dovekie			
Common Murre			
Thick-billed Murre			
Razorbill			

Atlantic Puffin			
Rock Dove			
Mourning Dove			
Monk Parakeet			
Black-billed Cuckoo			
Yellow-billed Cuckoo			
Barn Owl			
Eastern Screech-Owl			
Great Horned Owl			
Snowy Owl			
Barred Owl			
Long-eared Owl			
Short-eared Owl			
Northern Saw-whet Owl			
Common Nighthawk			
Chuck-will's-widow			
Whip-poor-will			
Chimney Swift			
Ruby-throated Hummingbird			
Rufous Hummingbird			
Belted Kingfisher			
Red-headed Woodpecker			
Red-bellied Woodpecker			
Yellow-bellied Sapsucker			
Downy Woodpecker			
Hairy Woodpecker			
Northern Flicker			
Pileated Woodpecker			
Olive-sided Flycatcher			
Eastern Wood-Pewee			
Yellow-bellied Flycatcher			
Acadian Flycatcher			
Alder Flycatcher			
Willow Flycatcher			
Least Flycatcher			
Eastern Phoebe			
Great Crested Flycatcher			
Western Kingbird			
Eastern Kingbird			
Scissor-tailed Flycatcher			
Horned Lark			
Purple Martin			
Tree Swallow			
Northern Rough-winged Swallow			
Bank Swallow			
Cliff Swallow			
Barn Swallow			
Blue Jay			
American Crow			
Fish Crow			
Black-capped Chickadee			

Carolina Chickadee			
Tufted Titmouse			
Red-breasted Nuthatch			
White-breasted Nuthatch			
Brown-headed Nuthatch			
Brown Creeper			
Carolina Wren			
House Wren			
Winter Wren			
Sedge Wren			
Marsh Wren			
Golden-crowned Kinglet			
Ruby-crowned Kinglet			
Blue-gray Gnatcatcher			
Eastern Bluebird			
Veery			
Gray-cheeked Thrush			
Bicknell's Thrush			
Swainson's Thrush			
Hermit Thrush			
Wood Thrush			
American Robin			
Gray Catbird			
Northern Mockingbird			
Brown Thrasher			
American Pipit			
Cedar Waxwing			
Loggerhead Shrike			
European Starling			
White-eyed Vireo			
Solitary Vireo			
Yellow-throated Vireo			
Warbling Vireo			
Philadelphia Vireo			
Red-eyed Vireo			
Blue-winged Warbler			
Golden-winged Warbler			
Tennessee Warbler			
Orange-crowned Warbler			
Nashville Warbler			
Northern Parula			
Yellow Warbler			
Chestnut-sided Warbler			
Magnolia Warbler			
Cape May Warbler			
Black-throated Blue Warbler			
Yellow-rumped Warbler			
Black-throated Green Warbler			
Blackburnian Warbler			
Yellow-throated Warbler			
Pine Warbler			

Prairie Warbler			
Palm Warbler			
Bay-breasted Warbler			
Blackpoll Warbler			
Cerulean Warbler			
Black-and-white Warbler			
American Redstart			
Prothonotary Warbler			
Worm-eating Warbler			
Ovenbird			
Northern Waterthrush			
Louisiana Waterthrush			
Kentucky Warbler			
Connecticut Warbler			
Mourning Warbler			
Common Yellowthroat			
Hooded Warbler			
Wilson's Warbler			
Canada Warbler			
Yellow-breasted Chat			
Summer Tanager			
Scarlet Tanager			
Northern Cardinal			
Rose-breasted Grosbeak			
Blue Grosbeak			
Indigo Bunting			
Painted Bunting			
Dickcissel			
Eastern Towhee			
American Tree Sparrow			
Chipping Sparrow			
Clay-colored Sparrow			
Field Sparrow			
Vesper Sparrow			
Lark Sparrow			
Savannah Sparrow			
Grasshopper Sparrow			

Saltmarsh Sharp-tailed Sparrow			
Nelson's Sharp-tailed Sparrow			
Seaside Sparrow			
Fox Sparrow			
Song Sparrow			
Lincoln's Sparrow			
Swamp Sparrow			
White-throated Sparrow			
White-crowned Sparrow			
Harris' Sparrow			
Dark-eyed Junco			
Lapland Longspur			
Snow Bunting			
Bobolink			
Red-winged Blackbird			
Eastern Meadowlark			
Yellow-headed Blackbird			
Rusty Blackbird			
Brewer's Blackbird			
Boat-tailed Grackle			
Common Grackle			
Brown-headed Cowbird			
Orchard Oriole			
Baltimore Oriole			
Purple Finch			
House Finch			
Red Crossbill			
White-winged Crossbill			
Common Redpoll			
Pine Siskin			
American Goldfinch			
Evening Grosbeak			
House Sparrow			
<b>TOTAL SPECIES</b>			

Use actual numbers counted (preferable), or abundance code: R (rare) = 1-3, U (uncommon) = 4-10, C (common) = 11-100, A (abundant) = 101-1000, S (superabundant) = 1000+

Based on AOU 1995; fortieth supplement to AOU Check-list of North American Birds.

For information on Delaware birds call the DOS DE Birdline at (302) 658 2747.

Report unusual sightings to the Backyard Bird Company (302) 478 8300.

Descriptions of rare birds in the state should be detailed, accompanied by photographs and/or sketches if possible, and sent to the Delaware Records Committee: DOS, PO Box 4247, Greenville, DE 19807. 03/96

# **WANTED!!!**

## **VOLUNTEERS FOR 2013**

### **Staffing the Visitor Center during the Week and on Weekends**

This position requires individuals to be familiar with the Refuge and the recreational opportunities available to visitors. It also requires that you receive training on how to sell merchandise in 'The Refuge Store' managed by the Friends of Bombay Hook, Inc. Additional duties for 'The Refuge Store' could also include pricing, stocking, and displaying merchandise.

### **Environmental Education Programs on the Refuge and at Schools**

After training and working with experienced staff and volunteers, individuals educate about wildlife and habitat conservation. Volunteers lead school, scout, and senior groups in hands-on experiences examining fresh, brackish, and salt marsh wetland habitats. They also create and provide programs for classes at local schools.



### **Native Plant Education and Landscape Maintenance**

Volunteers meet monthly to learn about and to educate others on the importance of using native plants in your home gardens. They develop workshops for the public and maintain the landscape around Bombay Hook's Visitor Center and provide lawn and trail maintenance activities.

### **Program Development and Delivery**

Individual(s) will work with Refuge staff to create, schedule, organize and execute programs educating about wildlife, habitats, and the National Wildlife Refuge System. Although most programs will be held at Bombay Hook efforts to provide programs in the community will also be developed and offered.

### **2013 Fall Weekend Artisan Exhibits**

Individual will work with Refuge Staff to schedule 9 individual weekend artisan exhibits. The volunteer will contact artists, develop the schedule, provide equipment and supplies, and help coordinate set up. The exhibits will be scheduled for October and November weekends.

**To find out about more volunteer opportunities, come to Volunteer Orientation scheduled for September 7, 2013 from 10:00 am to 12:30 pm.**



Friends of  
**BOMBAY**  
Hook

Annual Meeting

Saturday, June 8, 2013  
10:00 a.m.

Bombay Hook NWR Visitor Center Auditorium

Come and hear what the Friends have been doing for the past year.  
Cast your vote for election of Board members.

The following have been nominated:

<b><i>President</i></b>	Linda Osiecki
<b><i>Vice President</i></b>	PJ Hamm
<b><i>Treasurer</i></b>	Libby Burgazli
<b><i>Development Chair</i></b>	John Hargrove
<b><i>Board Members</i></b>	Randy Murphy Hannah McLennan Mark Dever

Nominations may also be made from the floor.

Cast your vote concerning a change in the By-laws. See the  
attached for details of the change.

I will see you at the meeting!

# Bombay Hook NWR



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(302) 653-6872

[bombayhook.fws.gov](http://bombayhook.fws.gov)

## *2013 Calendar of Events*

Bombay Hook Visitor Center is open Monday through Friday from 8:00 a.m. to 4:00 p.m. year round. The Visitor Center will close on weekends beginning June 9, 2013 and will re-open September 7, 2013. The Allee House is in need of repairs and is closed until further notice. Check the Website for additions or changes.

*Wednesday, June 12, 2013* - National Garden Week Celebration – “*Creative Native Container Gardening: Bringing Nature to Your Doorstep!*” (7:00 p.m. – 8:30 p.m.) Enjoy the benefits of a natural habitat anywhere, even if you don’t have room for a garden. Learn the secrets of creating beautiful container gardens using native plants that can be placed on patios, decks and balconies. Explore the wide variety of natives that are suitable for pots, including many that attract butterflies and hummingbirds. Gain skills in choosing plants, planting techniques and maintenance of your mobile garden. Enjoy a demonstration by Donna Wiley of Mount Cuba planting a container which will then be raffled off at the end of the class. Space is limited and reservations are required. **Contact Quentin Schlieder at (302) 653-6449 or [gcsjr@comcast.net](mailto:gcsjr@comcast.net).**

*Wednesday, June 19, 2013* - Garden Keepers’ Field Trip to Arasapha’s Native Plant Garden (9:00 a.m. – 4:00 p.m.) Located behind the Dutch House at 32 East Third St. Old New Castle, DE, the Arasapha garden is home to over 200 different species of native trees, shrubs, perennials, ferns and grasses. This tour will be led by the site’s garden designer and includes in-depth discussions of her inspiration and approach to design and plant selection. Lunch on your own at a nearby restaurant. Space is limited and reservations are required! **Contact Quentin Schlieder at (302) 653-6449 or [gcsjr@comcast.net](mailto:gcsjr@comcast.net).**

(Continued on page 9)



## ***Bombay Hook NWR 2013 Calendar of Events***

*(Continued from page 8)*

**Sunday, August 4, 2013 - Shorebird Identification Workshop** Learn a system to ID shorebirds based on size, structure, habits, and plumage. Half day trip includes both classroom and field work. Trip leaders are Andy Urquhart and Eric Braun. Reservations required. **Call Andy at (302) 239-2471 by August 1, 2013 for details and to register.**

**Saturday, August 17, 2013 - Shorebirds and Birding by Impression with Kevin Karlson and Dale Rosselet (8:00 a.m. – 3:00 p.m.)** Join Kevin Karlson, author of “*The Shorebird Guide*”, and Dale Rosselet, Vice President of the NJ Audubon Society, for a special indoor and outdoor workshop that concentrates on the ID approach covered in their upcoming book in the Peterson Reference Series at Houghton Mifflin/Harcourt Publishers. The book is called “*Birding by Impression: A Different Approach to Knowing and Identifying Birds*”. A morning of outdoor viewing on the refuge (8:00 a.m. - 12:00 p.m.) will concentrate on shorebird ID, but also how to identify other birds using nonchangeable features as the initial focus of your ID process.

The afternoon session (1:30 p.m. - 3:00 p.m.) will share Kevin’s personal approach to shorebird ID that is used in “*The Shorebird Guide*” and will feature comparative ID photos that show similar species in a side by side digitized view. The last half hour previews Dale and Kevin’s new book by showing a number of comparative ID photos of other bird families. The authors will ask the audience to participate in the ID process by assessing the structural features and plumage details of the birds in each photo. While Kevin and Dale will tell you what birds are featured in each digital composite photo, it will be up to you to identify which is which. Come and practice your ID skills and get a preview of their new book which will be published in the spring of 2014. Space is limited and reservations are required. **Call the Refuge to register at (302) 653-6872.**

**Saturday, September 7, 2013 - Volunteer Opportunities at Bombay Hook (10:00 a.m. – 12:30 p.m.)** A meeting about volunteer opportunities will be held in the auditorium. The meeting will cover volunteer opportunities and upcoming activities, with the latter part of the session being a tour of the Refuge. Individuals are needed to staff the Visitor Center and operate the Refuge Store on weekends and weekdays from September through November. Volunteers are also needed to provide environmental education programs for school groups, conduct refuge tours, provide trail and landscaping maintenance, and help with highway cleanups. Volunteers may be called upon for special wildlife projects throughout the year. Training is provided.

*(Continued on page 10)*

## ***Bombay Hook NWR 2013 Calendar of Events***

*(Continued from page 9)*

**Wednesday, September 18, 2013 - Garden Keepers' Down and Dirty Garden Party (9:30 a.m. – 1:30 p.m.)** After we perform seasonal maintenance on the landscape at the Visitor Center, we will proceed to a private garden in Smyrna where we will divide and pot plants to take home to enjoy in our own gardens. A complimentary luncheon is included. Space is limited and reservations are required. **Contact Quentin Schlieder at (302) 653-6449 or [gcsjr@comcast.net](mailto:gcsjr@comcast.net).**

**Saturday, September 21, 2013 - 9<sup>th</sup> Annual Native Plant Symposium – Rain Gardens Inspired by Native Plant Communities (10:00 a.m. – 3:00 p.m.)** Sponsored jointly by the Delaware Native Plant Society and the Bombay Hook Garden Keepers. Rain gardens are being installed all over the country but functioning and thriving examples are rare. Learn why so many plantings fail or lack the ecological and functional value they are expected to provide and take a closer look at natural plant communities and how we can learn to use them to create successful ecosystems that reduce runoff and pollution in our landscape. Speakers include Bill McAvoy, Botanist with the Delaware Natural Heritage Program, and Rob Jennings of the Chesapeake Bay Foundation. A complimentary lunch is included. The symposium is free but registration is required and space is limited. **To register, contact Quentin Schlieder by phone at (302) 653-6449 or [gcsjr@comcast.net](mailto:gcsjr@comcast.net).**

**Saturday, September 28, 2013 - FREE ENTRANCE (Sunrise to Sunset)** The Refuge's \$4.00 entrance fee will be waived to celebrate National Public Lands Day and invite people to visit Bombay Hook. National Public Lands Day is a fee-free entrance day at many federal public lands including, Bureau of Land Management, National Park Service, U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service or U.S. Forest Service. It's a great opportunity spend the day exploring or relaxing in nature.

Bombay Hook is open from sunrise to sunset and invites individuals and families to tour the 12-mile wildlife drive and to walk 5 short walking trails. The Refuge provides a variety of habitats for wildlife. Migratory waterfowl are starting to arrive and a variety of shorebirds and tall wading birds are still present on the Refuge. This is also a good time of the year to look for migratory raptors.

### **IMPORTANT REMINDER TO REFUGE VISITORS....**

To protect wildlife and their habitat and to provide the best opportunities in wildlife observation and photography, it is important not to disturb, injure, or damage plants and animals of the refuge. In fact, it is a prohibited act as stated in 50 CFR27.51. This disturbance includes flushing birds and other wildlife or using electronic calls (taping) to lure birds closer for observation or photography. Please remember to take only memories and photographs and leave only footprints.

## **ARE YOU INTERESTED IN JOINING FRIENDS???**

**FRIENDS OF BOMBAY HOOK** is a cooperating association formed with the Bombay Hook National Wildlife Refuge and the U.S. Fish and Wildlife Service. It is a private, non-profit corporation which was founded to promote conservation, environmental education, and better understanding of and appreciation for Bombay Hook National Wildlife Refuge.

Each year more than 3,000 students visit Bombay Hook. They use equipment to study habitats, watch videos about endangered species, and are taught from field guides - all provided by **FRIENDS OF BOMBAY HOOK!**

If you used an Auto Tour Brochure or the Bird or Mammal List, these too have been funded by **FRIENDS OF BOMBAY HOOK!**

Your Membership Dues will make it possible for Friends of Bombay Hook to continue its support of educational and recreational programs at Bombay Hook.

Proceeds from the Refuge Store in the Visitor Center at Bombay Hook also help support the Friends program and activities. Make this your place to buy field guides, books, T-shirts, Posters, and Souvenirs!

### **OUR MEMBERSHIP BENEFITS INCLUDE:**

- 10% Discount on all items sold in the Refuge Store
- Subscription to the Friends Newsletter (published 4 times a year)
- Participation in special wildlife education programs and field trips
- Participation in the Birding Club
- Attendance at the Annual Meeting (held in June)
- Eligibility in the Dover Federal Credit Union (DFCU)
- Opportunity to meet others with similar interests in birds, other wildlife, wetlands, and the environment

And perhaps best of all, the chance to say, *"Thank you Bombay Hook, for all the great times I've had here !"*

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### **MEMBERSHIP APPLICATION**

Submit completed application at the Visitor Center  
(payment by cash, check or credit card) or Mail (with check) to:

*Friends of Bombay Hook  
2591 Whitehall Neck Road  
Smyrna, DE 19977*

Or you can go to [www.friendsofbombayhook.org/membership.html](http://www.friendsofbombayhook.org/membership.html)  
and follow the instructions in applying or renewing your membership

Renewal       New Member

Date: \_\_\_\_\_

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
E-mail

Newsletter Preference:

Print       E-mail (require E-mail address)

### **Membership Plan (Check One)**

	Annual
<input type="checkbox"/> Junior (under 18)*	\$5.00
<input type="checkbox"/> Individual	\$15.00
<input type="checkbox"/> Family	\$20.00
<input type="checkbox"/> Sponsor***	\$25.00
<input type="checkbox"/> Sustaining	\$50.00
<input type="checkbox"/> Corporate**	\$100.00
<input type="checkbox"/> Life***	\$200.00

\*Junior membership: under age 18.

\*\*Corporate sponsorship includes link to FOBH website;  
no voting privileges or store discount.

\*\*\*Sponsor and Life memberships includes family .

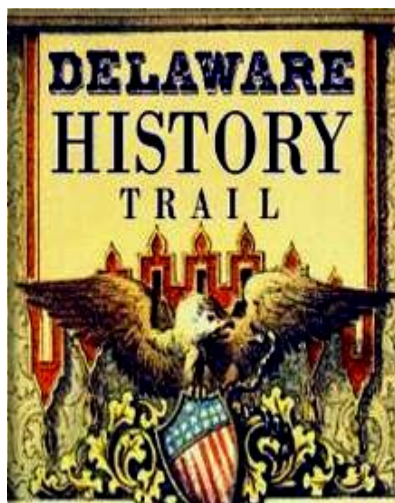
### **Method of Payment**

- Cash (payment at Visitor Center only)  
 Check (payment by mail or at Visitor Center)  
 Visa (payment at Visitor Center only)  
 MasterCard (payment at Visitor Center only)



2591 Whitehall Neck Road  
Smyrna, DE 19977

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PAID  
Permit No. 408  
Wilmington, DE 198



## **Bombay Hook is Part of the Delaware History Trail**

Explore the Delaware History Trail with your family this summer. Bombay Hook National Wildlife Refuge is one of 51 sites on the trail.

Take a journey back in time. The history and heritage of our nation unfolds along this stirring trail revealing tales of courage, tragedy, and triumph! Each stop represents a significant landmark or legacy spanning centuries of history in the making.

To begin your adventure and to find out how to earn a commemorative book, visit **[www.visitdelaware.com/history](http://www.visitdelaware.com/history)**.