



Scarborough Marsh Progress Report

Friends of Scarborough Marsh

The Friends are dedicated to the conservation, protection, restoration, and enhancement of the Scarborough Marsh watershed.

Spring 2004

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The Scarborough Marsh: Acting Locally

The old saying, "think globally, act locally" has a great deal of appeal to Friends of Scarborough Marsh. There are all kinds of challenges in our world today. What can we do to help make the world a better place? Well I submit there is tremendous opportunity right here in our own back yard. The Scarborough Marsh is a nationally & internationally significant resource. Just ask some of the fish or birds (and people) who stop here to rest and feed on their migrations north or south! This treasure needs your help if it is to remain an oasis of refreshing open space in the rapidly changing landscape of Southern Maine.

Your involvement can be as simple as carefully planning how you manage your lawn (see the Bayscaping article on page 8) to as dedicated as helping conserve more open space in the marsh watershed (see Land Trust article page 3). Both of these activi-

ties, and many levels of dedication in between have significant impact on our little part of the world. These impacts can have long term effects, for generations to come. Do you want your grand children to be able to enjoy Scarborough Marsh as we do today? I know I do! And that's why I got involved. So, if you have a little or a lot of time, if you want to have a positive effect on Scarborough Marsh, decide what you think fits your interest and get involved. Your grandchildren, and everyone else's may be glad you did.

As you read through this progress update we hope you will gain a sense for the positive excitement many of us feel when we stop to reflect on the great work being done by so many people on behalf of Scarborough Marsh. But please make no mistake, we are just scratching the surface of the opportunities that exist. So please join in the effort to "conserve, protect, restore, and enhance the Scarborough Marsh watershed". And to those of you who are already involved, Thank You.

C.D. Armstrong, Chair

Volunteers to Serve Up Second Helping of Highly Successful Conservation Dinner / Auction Fundraiser!

Volunteers for the Friends of Scarborough Marsh and the Scarborough Land Conservation Trust have already begun to organize a second annual Land Conservation Dinner. **Save the date: September 10th!** Please plan on joining us to raise funds and have some fun. Watch the newspaper and our web site for more. If you believe in land conservation in Scarborough, here's a chance to get involved. We are still seeking volunteers to help pull this event together. Contact Lynn Sewell 934-4584 for more information (see also pages 6, 7, 9).

GOT GOOD STUFF?

... give it to
the auction!

Sporting goods, collectibles, framed prints, high-end crafts, gift baskets, new apparel, you name it... we can use it. We'll accept most items - large or small—as long as it's got value and is new or in prime condition! Remember—those gifts may be tax deductible!! We're a 501(c)3 group.

Parks-Lincoln Scarborough Marsh Conservation Award

Friends of Scarborough Marsh awards one of Maine's most well-regarded, energetic conservationists, its prestigious "Parks-Lincoln Scarborough Marsh Conservation Award."



Dick Anderson (photo by Will Richards Photography)

Richard [Dick] Anderson was recognized by Friends of Scarborough Marsh at the annual meeting earlier this year for his legacy achievement in conserving the Scarborough Marsh to the benefit of present and future generations.

One of the founders of the Friends of Scarborough Marsh, Anderson is a tireless campaigner who has been instrumental in focusing public attention on the plight of the Scarborough Marsh today. As Maine's largest and best known salt marsh, the marsh is a unique natural resource in the midst of a still developing landscape, beset by cumulative impacts from residential and commercial development on surrounding upland areas. It is difficult to overstate the threat of urban sprawl and associated problems like non-point source pollution to fish and wildlife habitat in the watershed. Fortunately, Anderson is one of a small army of dedicated people who see the opportunity and possibility for making a difference.

Dick Anderson has been quietly but effectively making a difference to Maine's wildlife and wildlife habitats for years. He began his career as a fisheries biologist for Maine's Inland Fisheries and Wildlife in the late 50's. After chairing an Audubon committee in 1967 that worked to ban the use of the pesticide DDT, Anderson went on to serve as executive director of Maine

Audubon throughout much of the 1970's, years notable for such landmark achievements as the passage of the "Bottle Bill", creation of the Maine Board of Pesticide Control, and working with S. D. Warren Company to improve the environmental conditions in the Presumpscot River estuary. During his tenure at Maine Audubon, in 1972, Anderson also convinced the state to rent Maine Audubon a run-down hot dog stand at the edge of Scarborough Marsh. Soon thereafter it was converted into the Audubon nature center that is still one of the organization's busiest facilities and a Scarborough landmark for locals and summer visitors alike. In his spare time Anderson hosted a popular public TV program "Upcountry," celebrating the great Maine outdoors. He was later appointed by Governor Joe Brennan as the Commissioner of the Maine Department of Conservation, a position Anderson held from 1981 to 1987. Anderson is also the founder and President of the International Appalachian Trail that runs from Mt. Katahdin to Newfoundland, Canada.

Anderson serves now as the president of the Coastal Conservation Association Maine. In April, Anderson was appointed chairman of the Maine Outdoor Heritage Fund board of

directors by Governor John Baldacci. The Maine Outdoor Heritage Fund, supported by proceeds from 'Outdoor Heritage' instant lottery ticket, raises funds for fish and wildlife projects, endangered species, outdoor recreation and conservation of special places. Anderson will lead six other board members in awarding grants twice a year to non-profit organizations that submit grant proposals in partnership with a state agency.

All who appreciate the Scarborough Marsh and recognize it as the jewel it is, owe a debt of gratitude to vision and energies of Bruce Lincoln, Richard Parks, and Richard Anderson.

The Friends' conservation award is named for Bruce Lincoln and Richard Parks who were honored for their tireless devotion to the task of acquiring the Scarborough Marsh for the people of Maine. The 3,100 acre Scarborough Marsh Wildlife Management Area, owned and managed by the Maine Department of Inland Fisheries and Wildlife, includes approximately 2,700 acres of salt marsh, five tidal rivers, several smaller streams, some coastal freshwater marsh, tidal flats, and nearly 200 acres of upland habitat. The state's acquisition and research program lasted for most of the 1960s and 1970s - it was by all accounts a tedious and time consuming job that included untold weeks of deed research at the Registry of Deeds. Parks and Lincoln, as MDIFW employees, researched the ownership of the Scarborough Marsh and helped arrange for it to be purchased for everyone to enjoy- forever!

Land Conservation Highlights

Scarborough Land Conservation Trust

In my message to you last year, I communicated that SLCT was “busy planning for future acquisition.” With all the publicity surrounding Meserve Farm, you now know this to be true. What you may not know however, is that the Meserve Farm acquisition is actually the culmination of a 2-year effort to protect this spectacular 434-acre farm, an acquisition that increases SLCT’s protected land to 946 acres! Meserve Farm, by far, has been the most complex and challenging project for us *and* our partners (Trust for Public Land, Town of Scarborough, Maine Department of Agriculture and Land for Maine’s Future Program). Their dedication is a testament to Meserve Farm’s importance as it is a project that will benefit this community agriculturally, ecologically, historically, educationally, recreationally and inspirationally.

On the financial side, SLCT has raised \$212,000 for protection of Meserve Farm...a monumental effort for such a short amount of time! My sincerest thanks to all of you who have helped us protect Meserve Farm. Contributions totaling \$167,000 were received from over 300 individuals and supplemented by another \$45,000 in foundation support. We are continuing to raise funds for stewardship and land management.

In the meantime however, there are still many more special and unique places within our community worthy of our time and effort to protect. Like Meserve, they are equally complex and require creativity to bring together many different of sources of funding. Be assured that SLCT is continuing to work on their protection.

SLCT has also established a stewardship fund as a tribute to long-time board member, Bruce Lincoln who passed away

Three lifetime Scarborough residents shared their memories of an earlier Scarborough to more than fifty friends and members of the Land Trust at the annual meeting this Spring. The panel, ably moderated by Conservation Commission chairman, Paul Austin, answered questions, reminisced, and told stories of the ways in which Scarborough has changed—and remained the same.



in September. Donations totaling \$8000 were made to the Trust in memory of Bruce. A champion for the preservation of open space, Bruce’s work to conserve Scarborough Marsh, Sewell Woods, and Libby River Farm will be appreciated for generations. The ‘Bruce Lincoln Stewardship Fund’ will be used to build and maintain trails, to create trail maps and signage that will enhance usage of the trust lands. All the new materials will bear his name. The trust website will soon include descriptions of all the walking trails with details such as access points and parking areas. A newly organized stewardship committee will begin a good portion of this work this summer.

I hope you all take the opportunity to enjoy the local outdoors as much as Bruce did, you will find there’s lots to discover without leaving town. Enjoy the summer. See you outside!

Sincerely,
Laurene Swaney, President
Scarborough Land Conservation Trust

For more about conservation options for landowners or to volunteer, contact Laurene at the Scarborough Land Conservation Trust / 883-4909.

Land for Maine’s Future Program—it works for Scarborough !

In 1987 and again in 1999, the Mainers voiced their strong support for Maine’s most special places, asking that they be set aside in public trust for all to enjoy forever. The Land for Maine’s Future Program (LMF) was established to fulfill this promise to Maine’s people. The program is working very well and has strong support statewide, and communities in all 16 counties have protected treasured natural areas. In Scarborough, LMF funds helped ensure public access to Scarborough Beach and helped the land trust buy the 180-acre Fuller Farm. But as of January 2004, all of the LMF bond funds were committed, yet the needs are still

pressing. We can’t afford to lose the Land for Maine’s Future Program now! That’s why Friends and the Land Trust have joined a coalition of more than 260 groups in support of a land bond. **Communities across Maine—including Scarborough—stand to lose if there is no bond and no more Land for Maine’s Future Program.**

No Special Session? No land bond. No bond?

- No more money for new projects!
- Federal matching dollars may be lost!
- **Local bond dollars won’t go as far!**
- Increased sprawl, habitat fragmentation and loss of wildlife habitat!
- Mainers lose access to treasured places, irreplaceable natural resources and spectacular recreational opportunities—forever!

Special Places Need a Special Session!

You Can Help!

We need your help now if legislators are to send a land bond to voters this November.

Please, contact your legislators, urge them to hold a special session this summer to address the need for a land bond.

**House (800) 423-2900
Senate (800) 423-6900**

Or visit www.maineaudubon.org or www.mainelandbond.org for info and links.

Restoration Update

Cascade Brook Project Completed

As of February 28, 2004 the Cascade Brook Restoration Project was officially completed. This was probably the most complex restoration project that will be undertaken to improve salt marsh habitat in the Scarborough Marsh. During the project there were several changes brought about by the contractor, Great Meadow Farms, discovering new conditions existing on the marsh as the project progressed. More material was found to be deposited on the marsh surface from the culvert wash out and this increased project costs. However, during the river dredge portion of the project a significant softshell clam resource was discovered upstream from the culvert on Rt 9 and the dredging was reduced in scope to protect that resource. This had a reduction in project costs. An additional component was added to the project to address the stand of phragmites that was located on the side of the brook downstream from the Old Blue Point Rd. This site was modified by lowering the elevation by 10 – 12 inches with the intention of allowing the area to be flooded by the incoming tide and therefore increasing the salinity and making the site less conducive to allowing phragmites to recolonize the area. Overall the site looks great and the telling sign will be how it revegetates and greens up this spring.



*Philip Bozenhard,
Regional Wildlife Biologist,
MDIFW*

More Restoration Projects in the Works

Next Phase of Restoration to Begin at Mill Brook

The next project in the ongoing restoration of the Scarborough Marsh, the Mill Brook salt marsh restoration project, will begin soon. The Mill Brook salt marsh restoration project will focus on 500 acres between the Eastern Trail and Winnock's Neck. It is expected that work in this section, using special low-impact equipment designed for use in marshes, will begin at the end of 2004 and continue through 2005. This site has been identified in the highest priority category in the Strategic Plan for Restoration and Enhancement of Important Habitats in Scarborough Marsh and its Watershed (January 2002).

The Scarborough Marsh Wetlands Management Area is owned by IF&W and consists of 3,100 acres, including a subtidal river, intertidal mudflats, salt marsh vegetation, and a few adjoining upland parcels. Scarborough Marsh is the largest contiguous salt marsh in the state and is recognized for high biological productivity and diversity. The marsh provides habitat for estuarine and catadromous (going to or toward the sea to spawn) fish species, such as the mosquito-eating mummichogs, sticklebacks, striped bass and shad, as well as waterbirds and furbearers. The Scarborough Marsh also supports state and federally listed threatened or endangered species, such as the piping plover, least tern, roseate tern, brown snake, Blandings turtle, peregrine falcon and bald eagle.

Since colonial times, barriers to tidal flow, undersized culverts, invasive plants, fill material and ditching have negatively affected the ecological integrity of the saltmarsh. At the Mill Brook site, man-made ditches, freshwater runoff onto the marsh

surface from adjacent developed areas, and an invasive plant species are the primary concerns. The ditches, originally constructed to drain the marsh for salt hay production, deprive the marsh of saltwater, lower the natural water table and change the habitat characteristics that once supported a suite of species--plants, invertebrates, fish, shorebirds, wading birds and waterfowl--that depend on this high marsh habitat. Development adjacent to the marsh has increased the amount of freshwater in the marsh and led to changes in vegetation and habitat types. The change from saltmarsh to brackish and freshwater habitat have reduced the area available for species that require saltmarsh habitat. In addition, these man-made impacts create conditions in the marsh that are favored by non-indigenous plant species, such as phragmites, colonies of which have become established in areas of Mill Brook. This plant species reduces plant and animal biodiversity and can dominate large areas of marsh if it is left unchecked.

The Mill Brook restoration project is designed to increase the flow of saltwater into the marsh, improve drainage of freshwater from the marsh, and remove stands of the phragmites located in that area and prevent their further spread. The restoration project includes pre- and post-restoration assessments.

Partners *Mill Brook Project*

Maine Inland Fisheries & Wildlife
Friends of Scarborough Marsh
Ducks Unlimited
U.S. Fish and Wildlife Service
USDA Natural Resources Conservation
Service National Fish and Wildlife
Foundation
Coastal Wetlands Restoration Partnership
Maine Audubon



What's at Stake

The 3,100 acre Scarborough Marsh Wildlife Management Area is managed by Maine Dept. of Inland Fisheries and Wildlife. **Maine's largest and best known salt marsh**, Scarborough Marsh is recognized for its tremendous biological productivity, supporting **seven state or feder-**

ally listed threatened or endangered species and holding the distinction as the salt marsh with the greatest diversity of water-dependent birds statewide. Forming the basis of a **highly productive food web** that sustains many species, the marsh also adds to our economies—not only from **commercial harvests** but also through **tourism and**

hunting. Upland shorelines are buffered against erosive actions of open water, and the marsh protects low-lying uplands and shorelines during storms, and helps maintain **water quality, too**. We all can enjoy **superior recreational pastimes** including: fishing, clamming, birdwatching, paddling, walking, and more!

Trails Update



Eastern Trail Alliance Marks Historic Groundbreaking at Scarborough Marsh

Members of the public as well as state and local government joined the Eastern Trail Alliance on the morning of Wednesday, May 19th to "celebrate and savor history being made" during the groundbreaking ceremony for construction of the Scarborough Marsh section of the Eastern Trail. Speakers included: Maine Department of Transportation Commissioner David Cole, MTA Executive Director Violette; Saco City Administrator and ETMD President Rick Michaud; ETA President John Andrews; Saco & Biddeford Savings Bank Vice President Don Lauzier; East Coast Greenway Alliance Trustee, Tony Barrett; CPM Constructors President Eldon Morrison; Scarborough Council Chair Patrick O Reilly; Representative Harold Clough; Representative Darlene Curley; and staff from Maine's congressional delegation. John Balicki, MDOT Bicycle/Pedestrian Coordinator, served as master of ceremonies. In addition, the towns to be connected by the Off-Road Eastern Trail - Kittery, Eliot, South Berwick, Wells, Kennebunk, Arundel, Biddeford, Saco, Old Orchard Beach, Scarborough, and South Portland - were represented.

In March, the Eastern Trail Management District (ETMD), the quasi-governmental agency which is responsible for project management and trail operations, signed a contract with CPM Constructors of Freeport to build the Eastern Trail across Scarborough Marsh, connecting Black Point Road with Pine Point Road. (CPM Constructors built the Maine Turnpike's 356-foot bridge providing access to Portland Jetport.) CPM will complete this exciting trail project, including a new bridge over the Dunstan River, in time for 2004 fall outings. The bridge, when built, will be owned by the Town of Scarborough, which provided extensive legal and staff support. The 12-foot wide multi-use bridge will cross the Dunstan River along the Old Eastern Rail Corridor not far from the Scarborough Marsh Audubon Center. Currently at the Dunstan River Crossing, the Scarborough Sanitary District maintains a steel-frame pipe support structure for its forced sewer main and Granite State Gas Transmission a second pipe support structure for its gas pipeline. An agreement has been reached with Granite State Gas Transmission to relocate its gas pipe to the underside of the new bridge, while the Sanitary District continues to work closely with the Management District to determine if the sewer line will move to the new bridge or remain on its current structure.

Wilbur Smith Associates, Portland, designed the new trail and bridge. Maine Dept. of Transportation allocated federal transportation enhancement funds providing most of the \$1,023,000 in construction funds. Maine Turnpike Authority, Saco & Biddeford Savings Institution, Davis Conservation Foundation, Bikes-Belong Coalition, Verizon, and many individuals donated matching funds.

Members of the Eastern Trail Alliance, a seven-year old non-profit land trust, have been working to promote the vision of a greenway connecting Bug Light Park on Casco Bay with Strawberry Banke in Portsmouth, New Hampshire. The Eastern Trail is part of the East Coast Greenway that connects Calais, Maine with Key West, Florida. ETMD President Richard Rick Michaud said, "The Scarborough Project represents a culmination of 3 years of effort by the Eastern Trail Management District to move the first section of off-road Eastern Trail from dream to reality." ETA President John Andrews added, "Once residents and visitors begin using this section of the trail, we expect a real boost in support to complete the trail all the way to New Hampshire. For more information about the ETA go to www.EasternTrail.org or call 282-1979.

Marsh Cleanups A Big Success

Last October, in conjunction with the statewide Coastal Cleanup Week, The Friends of the Scarborough Marsh, Pine Point Association, Scarborough Marsh Audubon Center, Harbor Master, Shellfish Conservation Commission, Community Services, Police and Public Works Department pooled their energies for another all-volunteer clean-up. For many years, unknown to each other, Bill Gillis was cleaning the Route 1 area of the marsh while Bruce Thurlow was

doing the lower Pine Point Road. Last fall, this routine changed dramatically when the Friends joined with other organizations and officials to have a larger cleanup. Assisted by many volunteers to not only "spruce up" the marsh, the groups cleaned Pine Point Beach, the town landing, Ferry Beach and the avenues of Pine Point. This co-operative campaign was very successful (you may recall the reports in our various newspapers). Charlene Toohey, of the Pine Point Association, was the overall chairperson and worked hard to pull everything together.

Following this large exciting cleanup, all volunteers were invited to a BBQ at the Pine Point Fire Station. Members of that company hosted this affair and businesses in the area donated food to it as an expression of their support.

This effort was repeated again this spring, also with great success, and we hope to have another go at it in the fall. Watch the papers for times & come join the fun! For more information or to volunteer, contact: Tookie Clifford (784-7219) Bill Gillis (885-1565) or Bruce Thurlow (883-5445)



The Scarborough Land Conservation Trust and the Friends of Scarborough Marsh gratefully acknowledge our many friends, supporters and sponsors who gave so generously to the 1st Annual (2003) Scarborough Land Conservation Dinner/Auction! We encourage you to offer them your patronage.

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Landmark Restaurant
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Anonymous

And of course, all of our generous guests and hard-working volunteers who made the evening one to remember!!

WHAT'S IN YOUR ATTIC?

Fine art and handmade crafts, antiques, collectibles, gift certificates for quality goods and services, unopened wedding presents, treasures from your travels...

Check your closets and attics—you may find you have an ideal item for this year's auction! (Remember—those gifts may be tax deductible.)

To donate, call 883-4909.

To all our friends - THANK YOU!

Thank you for giving so generously and for participating in our first annual Land Conservation Dinner and Auction. As we look forward to another such event this fall, we recognized that it is with your support that we will continue our efforts to work for preservation of open spaces in the Scarborough Marsh watershed.

We invite you to explore the Scarborough Marsh and the properties already conserved by the Scarborough Land Conservation Trust, the State of Maine, and other partners in conservation.

These areas provide opportunities for low impact recreation and life long observation and learning. They also offer us opportunities to reconnect with our geography and the natural world in a way that inspires.

It is for these reasons that Friends of Scarborough Marsh and the Scarborough Land Conservation Trust are committed to doing still more for land conservation locally.

By protecting what people love, we offer a positive vision of the world we want to live in now and for our children. Instead of merely consuming, we are focused on the land and what it can give back to us in terms of enhancing our quality of life and for the multitude of creatures that depend on it. This vision requires that we approach land conservation on a watershed-wide scale to ensure the conservation of our most critical natural resources and open spaces...and this planning is happening now.

You can help—bring the vision to fruition— come to one of our meetings, learn about how you can be a steward of your lands for generations to come, and join in the fun of volunteering. We invite you to contact us for more information.

Laurene Swaney
Scarborough Land Conservation Trust

C.D. Armstrong
Friends of Scarborough Marsh

CONTACT INFO

Friends of Scarborough Marsh
CD Armstrong 883-8028

Scarborough Land Conservation Trust
Laurene Swaney 883-4909

Water Quality News

Bayscapers Trade Emerald Green Lawns for Healthy Waterways

Spring has arrived, giving home and business owners a chance to see how their lawns fared through the winter. While carpet-like summer lawns can add value to any home or business, many lawn care practices harm water quality. The pursuit of the perfect lawn often requires large amounts of pesticides and chemical fertilizers, which can make their way into nearby streams and rivers, polluting the Scarborough Marsh and ultimately the ocean. In Maine sales of these “weed and feed” products have doubled in the last five years. If you enjoy the marsh for striper fishing, kayaking, or bird watching you can do your part to protect it by following basic BAYSCAPING guidelines. By applying horticultural principals instead of pesticides and fertilizers, BAYSCAPING practices create quality turf that delivers recreational and eye-pleasing benefits (and they can save you a bundle of that other green, too!). Fifteen homeowners in Scarborough

are already using BAYSCAPING guidelines to reduce their use of pesticides and work towards certification by the Maine Board of Pesticide Control. Field trips and get-togethers are planned this summer for local homeowners seeking certification. Scarborough is also sponsoring a BAYSCAPER class for local Lawn Care Professionals to ensure that homeowners who contract out their yard work can still participate in the program. For more information visit the FSM website and click on the BAYSCAPER icon or visit the website of the Maine Board of Pesticide Control. Free BAYSCAPER Brochures are also available at Town Hall. To learn more or to register for workshops, contact Ann Delehanty at 883-9614 or annd@maine.rr.com.

Homeowners in Libby River Area to Prepare Watershed Management Plan

Conservation-minded homeowners in the Grondin Pond, Pleasant Pond, Sand Piper and Old Neck neighborhoods will be approached for feedback on priorities for the Libby River Water-

shed. 54 individuals who participated in workshops during the Libby River Watershed Survey in 2002 will be asked to participate in a questionnaire about priority projects for Libby River. The Water Quality Committee mailed out the questionnaires at the first of May. Participants will be asked for feedback on issues such as land conservation, invasive species, polluted runoff, residential growth impact, and wildlife habitat among other topics. Response from homeowners during the initial survey was good and we would like to thank the participants of this next phase in advance for their feedback. The survey is part of the Watershed Management Plan to be sent to the State Planning Office.

Funding Sought for Detention Pond Repair

FSM will be applying for DEP 319 monies for collaboration with the Scarborough Department of Public Works to fund a detention pond repair project. A common sight in Scarborough, detention ponds are required by DEP as part of most subdivision designs. Detention ponds help to preserve the water quality of Scarborough Marsh by reducing the flow rate of stormwater runoff and allowing pollutant-carrying sediments to settle out. Runoff from rooftops, roads and driveways is directed into the holding ponds.

As older ponds throughout town decay we will require more knowledge and experience to deal with them. All involved in this new initiative hope to get a better understanding of the cost and time needed for detention pond repair. John MacKinnon a consulting engineer and owner of Watershed Solutions in Yarmouth will be assisting with site survey and repair designs.

*Water Quality Reports by
Ann Delehanty, PCC chair*

Are you doing your part for a healthier watershed?

Take care with lawn and fertilizer applications—better yet don't use them if your property abuts the shoreline or is within the shoreland zone of the marsh's tributaries. Substitute natural products like compost instead of fertilizer.

Keep roadways, street gutters and walkways swept and clear of soil, grass and debris.

Use environmentally safe cleaning products that don't contain phosphorus or other toxic chemicals.

Monitor and maintain septic systems for leaks and overflows. Repair problems promptly.

Check and repair oil or other leaks and take batteries and excess motor oil to auto shop for proper disposal.

Use a commercial car wash or direct the flow of water into grass clippings or gravel. Never let it flow into the street gutters or storm drains.

Irrigate slowly and deeply so water soaks into soil. Avoid runoff; it wastes water and contaminates nearby water bodies!

Use biological methods and traps to reduce insects, weeds and fungus instead of toxic insecticides and herbicides. Never apply pesticides or herbicides near wells.

Plant native plants in exposed soil areas. Consult your local garden center or cooperative extension service about substitutes for invasive species garden.

Your personal choices do make a difference! You can help protect the marsh – everyday!!

Fundraising Update



First Annual Land Conservation Dinner and Auction—WOW!

A sold out crowd of 200 guests raised more than a few eyebrows and some \$60,000 for land conservation in the Scarborough Marsh Watershed last fall. "We were really pleased by the level of community support and generosity from families and businesses alike. It was a real team-effort, ably led by our tireless event chair, Roger Mallar, with a big pay off for local land conservation efforts," commented Friends chairman, CD Armstrong. Laurene Swaney, land trust president, also especially recognized the Mallar family [Roger, Mike, Steve, and Karen] for "thinking big" and "bringing so much energy to the organization of this all-volunteer event. While none of the Mallars are Scarborough residents, they have strong ties to the area, and deserve our sincerest thanks and honorary Scarborough citizenship!"

This first ever dinner auction event, was a huge task for the small but determined band of volunteers. Hundreds of hours were spent collecting more than 250 donations, soliciting ads, and coordinating the event. The organizing group included: CD Armstrong, Roger Mallar, Mike Mallar, Steve Mallar, Karen Ledew, Kathleen Bayley, Tom Bayley, Laurene Swaney, Deb & Jon Peirce,

IT'S ALL IN THE FAMILY!

Is your cousin a struggling artist?
Is your brother a champion angler? Is your sister the world's best quilter? Maybe your son and his new wife don't need (or want) that brand new toaster oven from Aunt Petunia...

Ask your family and friends—together you may find the perfect item for the auction! Remember—those gifts may also be tax deductible!! We're a 501(c)3 group.)

Stephanie Cox, Ann Delehanty, Dean Johnson, Richard Anderson, Beth Bellemere, John Mills, Dave Paul, Cal Robinson, Chris Karlen, and Paul Garrity.

Volunteers the day of the event were of great help—seeing that all the details were taken care of—from flower arranging to showcasing auction items to set up of the more than 250 items and gift certificates! Doug and Sue Williams especially 'saved the day'. Games, live and silent auctions, and many raffles and bonus prizes were complimented by an evening of great food and beverage catered by Lemon Tree Caterers of Saco. Held at the Parish Hall of St. Maximillian-Kolbe Catholic Church, the event was a stone's throw from the marshes the money raised would ultimately be used to conserve.

Local talent, Maine humorist Randy Judkins, and auctioneer Dudley Brown, of the James Julia Auction Co., provided lively and amusing commentary throughout the evening, occasionally reminding all why this FUNdraiser was so critical to future conservation efforts in and around the Marsh we all care about so deeply.

Funds raised, after expenses, were split 50-50 between the Friends and the Land trust and will be used for conservation efforts within the watershed.

Volunteers are already working hard to meet or exceed the success of this event - planning for another Auction/Dinner, to be held on September 10th, is already in progress. To volunteer, contact Lynn Sewell (934-4584). To donate, contact Lucy LaCasse (883-3637) or Laurene Swaney (883-4909),

Please see pages 6-7 for a list of 2003 auction donors and supporters.

We gratefully thank them all, especially our sponsors Tom's of Maine, Harry C. Crooker & Sons, Inc., and R.J. Grondin & Sons, Inc.!

We encourage you to give all our supporters your patronage.

Your Legacy Gift Will Be Appreciated By Generations to Come.

Remember, your gift may tax deductible!! We're a 501(c)3 group.

Contact Roger Mallar
622-4804 to make a gift or fill out our form on the back

Friends of Scarborough Marsh

Dedicated to the conservation, protection, restoration, and enhancement of the Scarborough Marsh watershed.

Board Members:

C.D. Armstrong, Chairman
Roger L. Mallar, Treasurer
Kathleen Bayley
Phil Bozenhard
Stephanie Cox
Ann Delehanty
Mike Mallar
Richard Sullivan
Laurene Swaney
Linda Woodard
Doug Williams

Cooperating Organizations and Partners Include:

Corporate Wetlands Restoration Partnership
Ducks Unlimited
Julie N Trustees
Maine Dept. of Inland Fisheries & Wildlife
Maine Dept. of Transportation
Maine State Planning Office
Maine Turnpike Authority
Natural Resource Conservation Service
National Marine Fisheries Service
Scarborough Conservation Commission
Scarborough Land Conservation Trust
Scarborough Marsh Audubon Center
USFWS-Gulf of Maine Program

www.scarboroughmaine.com/marsh/

PO BOX 7049
Scarborough, ME 04070-7049

Education Update

Scarborough Estuarine Ecosystem Curriculum Project Continues

Beach Profiling

Scarborough Middle School students have been participating in a project called "The Life Cycle of a Beach." This project ties in with the 6th grade Earth Science specifically the topic of erosion. 7th and 8th grade students participate in the project as teachers to the 6th graders. Throughout the project, student track the life cycle of a local beach (Scarborough and Pine Point). The activities include surveying the beach (using the Emery Beach Profiling Method), collecting, analyzing, and forwarding the data to the University of Maine in Orono. The students graph and analyze their results in classroom follow-up activities which are a component of a web site created for the project. This project accomplishes several goals. First, it provides students with an au-



Night Heron

Scarborough Marsh Audubon Center Opens for Season

Scarborough Marsh Audubon Center and store will be open to the public from 9:30 a.m. to 5:30 p.m. weekends starting Saturday, May 29 and seven days a week from June 12 through Labor Day. For the remainder of September, the center will be open on weekends.

Last year, more than 7,000 people vis-

ited the center, which is Maine Audubon's third largest. The Audubon Center offers a variety of guided and self-guided walks on its nature trails, as well as canoe tours and rentals, natural history exhibits and a Maine Audubon Nature Store selling nature-related products, books and gifts.

Summer SEEC Workshops

Planning is underway for the summer SEEC workshops. A number of wonderful presenters representing a variety of organizations will each be working with teachers (and other community members interested in attending). About 15-16 teachers representing K-12 are expected to attend. The participating teachers will work over the summer taking what they have learned to adapt and design instructional units consistent with the goals for SEEC instructional units. Those goals are that the units must be authentic, integrative, aligned to the Learning Results and community-based.

The Scarborough School Department sincerely thanks the presenters and the organizations that support the SEEC Project.

ited the center, which is Maine Audubon's third largest. The Audubon Center offers a variety of guided and self-guided walks on its nature trails, as well as canoe tours and rentals, natural history exhibits and a Maine Audubon Nature Store selling nature-related products, books and gifts.

For a complete listing of programs, call (207) 883-5100 or visit us on the web at www.maineaudubon.org.

Canoe Tours Gliding through the marsh, you will be exposed to many marsh inhabitants, from the snowy egret to the mummichogs swimming in the water. A trained naturalist will show you marsh plants and even give you a taste of an edible one.

Full Moon Canoe Tours Experience the sights and sounds of marsh creatures under the full moon. Watch for black-crowned night heron along the bank or snowy egret flying back to a nearby

Summer SEEC Workshops

Workshops will be held from 9:00 a.m. to 12:00 p.m. at Town Hall. The public is welcome. For more information, please contact Monique Culbertson, Director of Curriculum and Assessment, Scarborough School Dept., 883-4315 or mculber@scarborough.k12.me.us

Thursday, June 17th Don Kale (Maine DEP watershed division) will provide an outline on eight steps to watershed protection. It will be a resource manager's perspective on watershed education, planning, and stewardship. And, Kristen Whiting-Grant (University of Maine Cooperative Extension and Sea Grant) will provide an introduction to the Coastal Connections Curriculum Guide, focusing on estuarine education.

Friday, June 18th Lynn Richard (Portland Water District) and Melissa Sternlieb (Cumberland County Soil and Water Conservation District) will be sharing effective lessons and activities for teaching the watershed concept focusing on non-point source pollution education. And, Ben Lubbers (Maine DEP) will provide the group with an introduction to the watershed model. It is a hands-on tool for watershed education.

Monday, June 21st Melissa Sternlieb (CCSWD) and Lynn Richard (PWD) will introduce participants to water quality monitoring in the classroom. Participants will learn how the CCSWD and PWD are working with 4 area schools to monitor nearby streams. A field trip to Mill Brook will be included. Participants will actually use test kits provided by the CCSWD to test Mill Brook for nitrates, conductivity, dissolved oxygen, temperature, turbidity, and pH. The group will brainstorm ideas for getting supplies and test kits to start monitoring Mill Brook in Scarborough.

Tuesday, June 22nd Jeff Varricchione (Maine DEP Stream Team program) will provide an introduction to stream habitat surveys. Participants will learn what to look for when assessing stream health. A field trip to Mill Brook will also take place where participants will use GPS units to help map stream habitat types.

island for the evening. We may even see a harbor seal or muskrat playing in the water.

Family Nature Walk: Mummichogs and Marsh Muck Explore the marsh for plants and animals through discovery-oriented, fun-filled activities that use all five senses.

Early Morning Birding The best birding is often early morning when birds are busy feeding. Look and listen for snowy egret, glossy ibis, herons, willet, sparrows and more. Birders of all levels and abilities are welcome to join.

Canoe Rentals Discover the meandering Dunstan River on your self-guided exploration of this unique habitat, the salt marsh. We'll provide a canoe, map and nature guide as well as life preservers and paddles.

Group Tours We can customize walking and canoe tours and other programs for groups.

Conserving Maine's wildlife and wildlife habitat by engaging people of all ages in education, conservation and action.

MAINE
AUDUBON

Watershed Watch



The Future Depends on You

Friends of Scarborough Marsh, Scarborough Land Conservation Trust, the Conservation Commission, and Maine Audubon are all groups looking for volunteers. Whether you know a little or a lot, have a few hours or more to give – there is something meaningful you can do to make a difference that will benefit the community for generations to come.

It's easy to get involved and once you do, you'll see real progress. You'll see that you did make a difference, that you helped build a legacy.

The future rests with all of us, and we invite you to put your ideas and effort toward making the Scarborough Marsh watershed a better place for generations to come!

Contact Information

Friends of Scarborough Marsh
CD Armstrong 883-8028
Scarborough Conservation Commission
c/o Town Clerk's Office 883-4301
Scarborough Land Conservation Trust
Laurene Swaney 883-4909
Scarborough Marsh Audubon Center
Linda Woodard 883-5100 / 781-2330

WHO DO YOU KNOW?

Gift certificates, goods and services, hot deals and discounts, tickets, memberships, and more!! Who do you do business with? What hobbies interest you, your friends and relatives? Who do you know? You may find they will lead you to the perfect item to add to the auction! (Remember—gifts may tax deductible!! We're a 501(c)3 group.)

Events & Special Programs

JUNE 17,18,21,22 Scarborough Estuarine Ecosystem Curriculum Workshops. Please come join Scarborough K-12 teachers and presenters, to learn about this positive community based educational program see page () or contact Monique Culbertson 883-4315.

JULY 14 Friends of Scarborough Marsh Membership Meeting. 5:30 PM at the NRCS office, 306 US Rt 1 All are welcome!

AUGUST 20 Summerfest, Scarborough Athletic Complex. 5:00 PM Help staff our shared information booth—or just stop by and see what's new! Look for us under the green "Scarborough Conserves" banner! To volunteer, call Stephanie Cox (799-4012).

SEPTEMBER 10 2nd Annual Scarborough Land Conservation Dinner & Auction

For ticket information, call Sue Williams (883-2414) or e-mail scauction2004@yahoo.com To volunteer, contact Lynn Sewell (934-4584). To donate, contact Lucy LaCasse (883-3637).

Public Meetings

SCARBOROUGH LAND CONSERVATION
FUNDRAISER COMMITTEE MEETINGS
6:30 PM, NRCS Office, 306 Route 1, Scarborough.
Learn how you can pitch in to raise money for
land conservation in Scarborough.

FRIENDS OF SCARBOROUGH MARSH
2004 Membership Meetings: July 14, October 20
2005 Meeting: January 12
5:30 PM at the NRCS office, 306 US Rt 1

SCARBOROUGH CONSERVATION COMMISSION
2nd Monday of the Month, 7pm, Town Hall (usually)

SCARBOROUGH LAND CONSERVATION TRUST
4th Tues day of the Month (usually)

SCARBOROUGH MARSH AUDUBON CENTER
For a complete listing of programs, call (207) 883-5100 or
visit us on the web at www.maineaudubon.org

Friends of Scarborough Marsh

PO Box 7049

Scarborough, ME 04070

www.scarboroughmaine.com/marsh/



Scarborough Marsh Progress Report

While produced by the Friends of Scarborough Marsh, this progress report highlights the good news from the **many** organizations and groups working on projects impacting the marsh. Edited by S. Cox
Printed on recycled paper.

Please Visit Us On The Web

Friends of Scarborough Marsh's website is hosted by the folks at Scarborough Crossroads, a community meeting place on the web for Scarborough groups. On our site you can get the latest news on the Marsh and the Friends. Visit our site and watch it grow as we post project updates, links to research reports, and information on estuarine systems and their management, protection, and restoration. Contact Stephanie Cox (799-4012) if you would like to volunteer to help us with our site.

www.scarboroughmaine.com/marsh/

Pledge your support to this unique and bountiful natural resource—**JOIN Friends of Scarborough Marsh.**

- Individual / Family Membership Levels
- Friend \$ 25
 - Partner \$ 50
 - Protector \$ 100
 - Visionary \$250 or more
- Corporate/Business Membership Levels
- Friend \$ 50
 - Partner \$ 100
 - Protector \$ 250
 - Visionary \$500 or more

Name _____

Address _____

ZIP _____

Phone () _____

Phone () _____

Email _____

Enclose your check or money-order with this form and **send to:**
Friends of Scarborough Marsh,
PO Box 7049, Scarborough, ME 04070

Membership dues may be tax-deductible. Friends is a registered 501(c)3 group.

- Restoration or Marsh Monitoring
- Land Protection
- Pollution Control
- Clean-Up Events
- Information & Education
- Fundraising
- Grantwriting
- Raffle Committee
- Other: _____

Volunteers and active members are needed!
Please let us know how you would like volunteer: