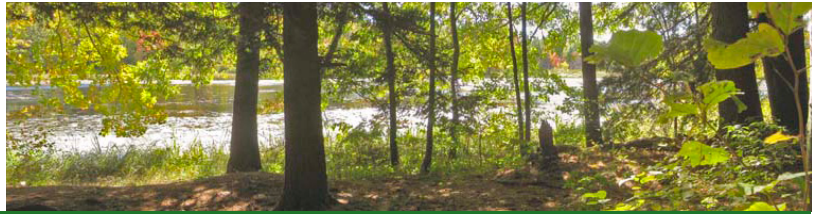


# BROAD BROOK COALITION



www.broadbrookcoalition.com

Volume 27, Issue #1, Spring 2015

## BOARD OF DIRECTORS 2014-2015

Bob Zimmermann, *President*

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### About Us

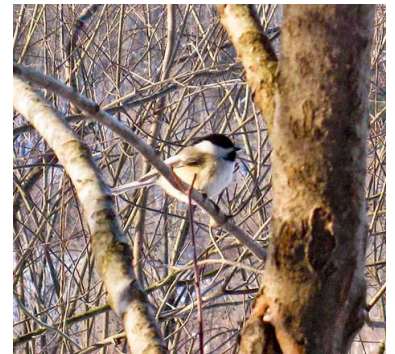
Broad Brook Coalition (BBC) is a nonprofit, all-volunteer organization incorporated in 1988 with the mission of preserving open space and promoting affordable housing. Under a memorandum of understanding with the Northampton Conservation Commission, BBC is responsible for the day-to-day management of the Fitzgerald Lake Conservation Area. BBC's goals are to maintain and enhance the diversity and integrity of wildlife species and habitat at FLCA, promote outreach and education and provide public access for passive recreation that is compatible with habitat protection.

Our work in trail maintenance, stewardship, education and land preservation to expand FLCA is funded by the generous support of our members and occasional grants.

## President's Message

### Snow...or Winter Survival

Snow. Almost gone, but the memory of it lingers in the dirty white banks of snow that line our roads and driveways. It's been a winter we won't soon forget. Sure, the bother: snowy roads, icy driveways, sagging roofs, heating bills, and layer after layer of clothes plus clunky boots every time we ventured outdoors. But the cold and the snow also offer beautiful landscapes that fill us with awe and delight skiing and snowshoeing enthusiasts. Though we humans often seem remarkably ill-adapted to winter weather, and can survive only because of the many ways we've devised to keep ourselves warm and fed, the natural world takes on these challenges as a matter of course, displaying remarkable adaptations through which to mitigate and even benefit from the effects of snow and cold.



*Surviving the cold of winter: chickadees retain their body heat by shivering.*  
(Bill Williams)

The natural world takes on these challenges  
as a matter of course, displaying remarkable adaptations.

Animals deal with winter in many different ways; there's no rule or principle that applies to all. Though many birds migrate to warmer climates, and bears simply remain torpid throughout the winter, plenty of our native animals remain active despite the demands of finding food and staying warm. Short-tailed weasels, for instance, exchange their brown summer fur for a dense, white coat in the fall and—presto!—become ermines (yes, they're the same species). This adaptation confers both warmth and camouflage against predators in the snow. Others seek shelter, emerging to search for food only when needed: raccoons find holes in trees, beavers retreat to their lodges, foxes dig burrows, and porcupines winter in rocky caves. Voles tunnel under the snow, taking advantage of the insulation and protection to continue foraging all winter (look for their winding trails "imprinted" on top of your lawn when the snow melts). Birds, too, have their winter strata-gems: some increase their insulation from the cold by putting on more fat, growing an extra layer of down, or fluffing up their body feathers. By contrast, ruffed grouse take advantage of the insulating properties of pockets in the snow to "sit out" severe winter weather. Black-capped chickadees retain heat by shivering and, at night, they can lower their body temperature by as much as 20 °F.

*continued*

### *President's Message (cont'd)*

Because trees, shrubs and other plants can't take shelter or migrate to more favorable locations, they have to depend on their own tricks to avoid calamity in winter. The main challenge for deciduous trees and shrubs, whose trunks, branches and stems remain exposed to the elements, is the management of water, both inside cells and in the extracellular vascular system (xylem and phloem), which is responsible for transporting nutrients and water. The formation of ice crystals inside cells damages fragile membranes and causes cell death; it must be avoided at all costs. Mechanisms for countering intracellular ice include the expulsion of water owing to changes in permeability of cell membranes and the accumulation of dissolved substances like sugar that depress the freezing point (and ultimately provides us with maple syrup!). As a result, liquid cell contents can become "supercooled," that is, remain in a liquid but viscous state at temperatures well below 32 °F, the normal freezing point of water. The ability of seeds and buds to survive in winter is also largely attributable to supercooling of intracellular water, as well as tough outer capsules that prevent desiccation. By contrast, the fluid transport "pipes" of the vascular system do not contain living cells and can withstand freezing, in part due to their mechanical flexibility. In conifers such as spruce, firs and pines, photosynthesis generally continues at low levels even in winter and must therefore maintain vascular flow. To avoid water loss, their needles are coated in waxy material called cutin and their stomata, small pores in the needles that permit the exchange of gases like oxygen and carbon dioxide, can close very tightly.

As horticulturists know, snow is beneficial for gardens, yards and agricultural land. Since fresh snow consists of up to 90% trapped air, it insulates the soil from the loss of heat and moisture, and curtails wind erosion. As a result, the deep root systems of trees and shrubs are prevented from freezing. At the same time, the shallow roots of perennial plants are protected from repeated cycles of freezing and thawing and the damage that could result from frost heaves.

Severe cold also helps to kill larvae of the hemlock woolly adelgid, the gypsy moth, and the emerald ash borer. In the spring, melting snow percolates slowly into the earth, promoting the germination of seeds, stimulating plant growth and, eventually, resupplying streams, lakes, reservoirs and aquifers with water.

*Bob Zimmermann*

## **Many Thanks to Bruce Hart**

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The long-time organizer of BBC's Walks and Talks programs, Bruce Hart, has stepped down from the Board of Directors. Committed to educating the public about the value of conservation land, Bruce brought in experts on a wide range of topics to lead guided walks in the Fitzgerald Lake Conservation Area. The programs ranged from early-morning bird walks and late night star-gazing to butterflies, botany and nature as a muse for writers. As a member of the board's Stewardship Committee, Bruce rarely missed a scheduled work day to tackle invasive plants and led the annual canoe trips to pull the invasive water chestnut from Fitzgerald Lake.

Bruce joined the Board in the fall of 2005, the same year he was honored as Outstanding Volunteer at BBC's annual meeting. The minutes from that meeting list Bruce's numerous contributions. In addition to organizing the Walks and Talks, he helped "with plantings and invasive species removal, organizing a scuba team to clear the dam outlet, talking with Northampton High School's Environmental Club and Elder Vision about volunteer work at FLCA, repairing bluebird houses" and enlisting Smith Vocational Technical School students to build and install donation boxes. Bruce will continue as a member of the Stewardship Committee.

We are very grateful to Bruce for his decade of service to the board.

*Margaret Russell*

## **BBC Welcomes New Board Member**

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David Pritchard was elected a member of the Board of Directors at BBC's annual meeting last fall. A regular volunteer at the scheduled work days to spruce up areas of FLCA and tackle invasive plants, Dave will take on the task of organizing guided walks and talks, which are an important part of BBC's community outreach.

Dave moved from eastern Mass. to Haydenville in 2004. For 22 years, he worked at Houghton Mifflin Company in Boston as an editor for the American Heritage dictionaries. He now works as a free-lance editor.



*New board member Dave Pritchard at a volunteer work day last year. (Bob Zimmermann)*

## We Are All Stewards of Conservation Land

(The following letter was submitted to the *Daily Hampshire Gazette* by Kevin Lake, chairman of Northampton Conservation Commission, and co-signed by Robert Zimmermann, president, Broad Brook Coalition; Jonah Keane, director of Arcadia Wildlife Sanctuary, and Sue Carbin of the Leeds Civic Association.)

Thanks to the work and dedication of countless volunteers and organizations, the City of Northampton has a wealth of permanently conserved open spaces that serve to protect natural systems while allowing for passive recreational use. These include areas of all sizes, in all areas of the City. Opportunities include snowshoeing and hiking at Roberts Hill, enjoying amazing views of the Holyoke Range from the Saw Mill and Mineral Hills, bird-watching at Arcadia Wildlife Sanctuary, exploring diverse habitats and visiting the wildlife blind at Fitzgerald Lake, kayaking and fishing on the Connecticut River, and a wide range of other activities for all seasons.

The City of Northampton, through its Conservation Commission and partner organizations—Broad Brook Coalition, Arcadia Wildlife Sanctuary, Leeds Civic Association, Meadow City Conservation Coalition and the Friends of the Mineral and Saw Mill Hills—work year-round to ensure that these open spaces can be enjoyed by everyone. Their work includes cutting and blazing trails, building bog bridges, offering educational programs, holding clean-up days, removing invasive plants, and maintaining habitat for native wildlife. These groups are the stewards of the community's protected areas, on behalf of all of us. Because of their endeavors, it is

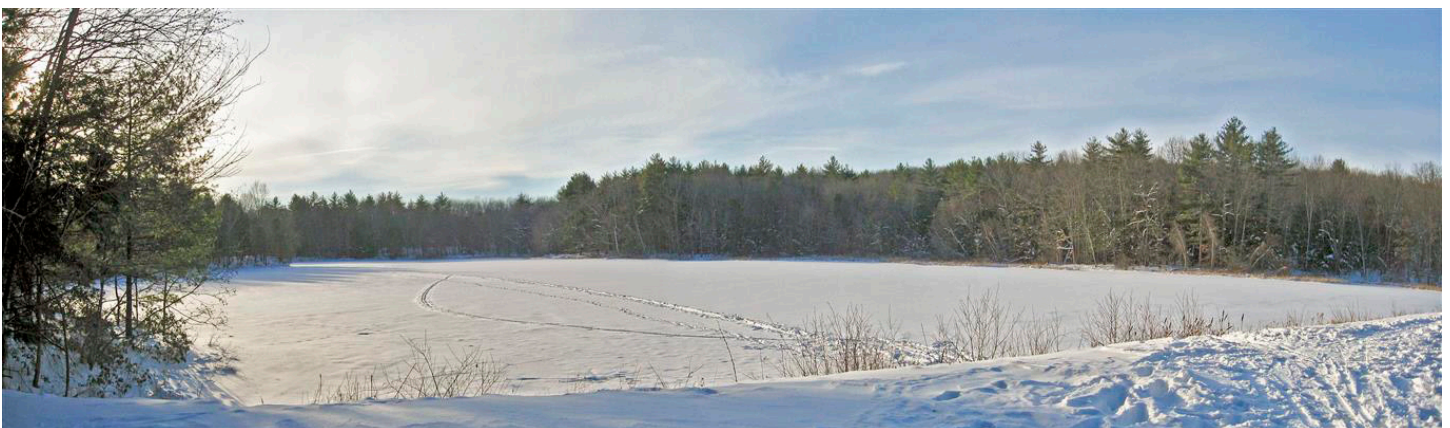
All visitors to our open space should keep in mind that they are a resource to be enjoyed by everyone.

possible to have an experience of being in the deep woods, within just a few miles of downtown. Each and every marked trail, informational kiosk, and Mutt Mitt dispenser represents the efforts of many behind-the-scenes volunteers. The goal of these many dedicated individuals is to ensure that Northampton's conservation areas are able to serve as habitat for plants and animals, as well as continuing to be treasured recreational resources for many years to come.

We need your help, however, to ensure that we are good stewards. Misuse of these areas is sometimes blatant and deliberate, including dumping, all-terrain-vehicle use, illegal camping, and blocking trail entrances with vehicles and yard debris. In other cases, well-intentioned users can detract from others' enjoyment. Dogs should be kept on-leash or within voice command at all times. Dogs walked along roads in the Arcadia Meadows should be kept on the road, especially in the spring and summer, when there are nesting birds in the grasslands. Mutt Mitts, where available, should be properly disposed of and not left along trails. Trails in all areas have been carefully planned and thought-out to minimize erosion and protect wildlife corridors,

and new trails should not be created without permission. Signs indicating the presence of sensitive areas are in place to protect fragile habitats and should be heeded. All visitors to our open space should keep in mind that they are a resource to be enjoyed by everyone.

The Conservation Commission and its partners welcome input and discussion about these areas and the ways in which they are used. We also welcome new volunteers to help us maintain high standards of stewardship. These are your conservation areas.



A panoramic view of Fitzgerald Lake, from the dam. (Bill Williams)



## Thank You, New Members!

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New donors through Valley Gives and visitors to FLCA who filled out the membership form in the brochures displayed at the entrance kiosks boosted BBC membership to a five-year high. Of the supporters who contributed from October 1, 2014 (when our membership year begins) through late February of this year, 109 were individual memberships and 87 were household memberships. These included 29 new members.

In an effort to gain more members, volunteers will staff a table at the North Farms Road entrance on a few weekends in the spring. The volunteers will invite visitors who are not members to support our maintenance work and, in addition, conduct an informal tally of the number of people who come to FLCA and how they use it, such as for hiking, dog walking, bird watching or boating.

## A Huge Thanks to Our Volunteers

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We are greatly indebted to our members and friends who helped BBC clear trails, pull invasive plants, paint trail signs, replace bridge supports, and handle correspondence throughout 2014. They include:

Carmen Ahearn, Tamara Barbasch, Bob Bissell, Karen Bradway, Rufus Chaffee, Len Cohen, Sara Crawley, Keith Davis, Kendra Edmonds, Harley Erdman, Lorna Fitch, David Fradkin, Bernadette Giblin, Brigid Glackin, Peter Haas, Steve Harding, Kayleigh Hunter-Gasperini, Deb Jacobs, Jeanie Jones, John Langhans, Justin Kaput, Mason Maronn, Kara McLaughlin, Jill Mendez, Mike Murphy, Hana Nower, Ivan Oransky, Lynn Parda, Lewis Popper, David Pritchard, Ann Pufall, Peter Pufall, Jim Reis, Norma Roche, Bill Rosen, Bob Rundquist, Jon Sass, Chris Schmidt, Al Shane, John Sheirer, Christian Smith-Ahearn, Mary Jo Stanley, Jon Steinberg, Helen Symons, Helena Stutz, Rachel Tremaine, Charlotte Turner, Holly Turner, Hans Van Heyst, Cate Vojdik, Susan Young and Mark Zinan.

We couldn't do it without you!

## Workdays at the FLCA: Spring and Summer 2015

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### ***Shrubland Habitat and Native Plants***

Saturday, May 9, 9 a.m.-noon

Several years ago, we established three clusters of native shrubs in Cooke's Pasture to provide food and habitat for shrubland birds and small mammals. Each year we return to prune the shrubs, cut back competing undergrowth, and replace plants that have not survived the winter. Tools will be provided, though additional clippers are always welcome. Wear long pants and bring along your favorite insect repellent. Meet at the former Moose Lodge parking lot at the end of Cooke Avenue at 8:30 a.m. or at the Fitzgerald Lake dam at 9 a.m. Contact: Bob Zimmermann at 585-0405.

### ***Annual Cleanup at the North Farms Road Entrance***

Saturday, May 30, 9-11 a.m.

Our yearly cleanup of the the North Farms Road entrance to the FLCA includes clearing winter debris from the path to the boardwalk, picking up trash in the parking lot, and hand removal of invasive plants such as garlic mustard, Japanese knotweed and multiflora rose in the adjoining woods. Please help us to spruce up this heavily used route to the conservation area. Contact: Dick Wynne at 584-7930.

### ***Removal of Water Chestnut from Fitzgerald Lake***

Sunday, July 19, 10 a.m.-1 p.m. and Saturday, August 15, 1-4 p.m.

Our annual sorties on Fitzgerald Lake have kept water chestnut at bay, but some of this aggressive invasive plant manages to escape every year. As in the past, we will survey the entire lake and remove water chestnut plants by hand. We will need canoes and kayaks, as well as large plastic buckets and bags to collect the plants. Wear long pants and sneakers (no sandals) and bring water, sunscreen and gloves. PFDs (personal flotation devices) are required. If you can contribute a boat, let us know. Meet at the North Farms Road parking lot at 10 a.m. on Sunday, July 19, and at 1 p.m. on Saturday, August 15. Contact: Bruce Hart at 584-4176.



*Colleen Isabelle sent us this photo of her Snow King creation on Fitzgerald Lake.*

## New Bridge for Halfway Brook Trail

Although there is a lot of snow on the ground at this writing, the Trails Committee has been planning for a new project once spring arrives (and the snow melts!). The project is to replace a broken bog bridge on the Halfway Brook Trail with a new 16-foot long bridge. While the Trails Committee had hoped to undertake the project early in January, the onset of cold weather was the deciding factor in delaying the project's start until spring.

Early in December, a Trails Committee member reported that the supports on a bog bridge on the Halfway Brook Trail had washed out in a recent rainstorm and was in danger of failing. Several members of the Trails Committee visited the site, agreed that the bog bridge was likely to fail and needed to be replaced. At the request of the committee, Pete Westover, of Conservation Works, LLC, visited the site and agreed that the old bog bridge needed to be replaced. He recommended that a new 16-foot long, three-foot wide bridge be constructed at the same location, approximately 600 feet in from the Coles Meadow Road trailhead. Unlike the old bog bridge, the new bridge would span the stream without any center supports.

BBC has been fortunate to have Alex Ghiselin volunteer to draw up plans for the replacement bridge. Alex, who is a retired builder and former Northampton city councilor, planned for a 16-foot long bridge structure with three 2"x10" supports made from pressure treated wood. The decking will be 2"x6"

pressure treated wood. While the supports will be new lumber, the decking will be repurposed lumber that BBC obtained from the Department of Planning and Sustainability. The lumber had seen prior service as guardrails on the Northampton Rail Trail.

Because the western end of the new bridge is approximately 16" higher than on the eastern end, there will be two steps on the latter side of the bridge so it will be level. The bridge will rest on cribbing supports on both ends made from several 6"x6"s bolted together with galvanized tie rods.

The BBC board voted to authorize the Trails Committee to spend up to \$300 to purchase the necessary lumber and materials to build the bridge.

Another step in the process was to contact the Northampton Conservation Commission to keep members apprised of the situation. Subsequently, the Trails Committee contacted Sarah LaValley, the staff person for the Conservation Commission. In their opinion, BBC can proceed with the replacement bridge since it will be in the same footprint as the original bridge and there will be no disturbance at the site other than the removal of the old bridge and its supports.

The Trails Committee is now patiently waiting for the snow to melt. Once that occurs, measurements will be double-checked, the lumber ordered, and a workday set to build the new bridge.

*Dave Hershops*



*Snow and a frozen lake offer a different kind of access through the conservation area. (Bob Zimmermann)*





*It remains to be seen what further damage this year's heavy snows caused to the bridge off the North Farms Road entrance.  
(Bob Zimmermann)*

## Major Undertaking for Bridge, Dock and Boardwalk Improvements

Over the past few years, you have undoubtedly noticed a gradual but steady decline in the condition of the bridge over the brook and of the boardwalk and dock near the North Farms Road entrance to the FLCA. BBC has developed plans for replacing the bridge, and for rehabilitating and extending the boardwalk and dock. Preliminary design work was carried out by Conservation Works, LLC. BBC also consulted with the Northampton Conservation Commission on several occasions, both on site and off, to ensure that these plans are consistent with wetlands regulations and with our joint management objectives.

The bridge over the brook (BOB) was built 20 years ago by a dedicated group of volunteers. It has been an attractive and serviceable gateway to the FLCA trails beyond. However, many of the original concrete support piers have deteriorated and have had to be replaced. These repairs are only a temporary remedy and the useful life of the bridge is limited. Moreover,

we have been advised by an expert with long experience in building trails, bridges and boardwalks in natural areas that it should be replaced. Our proposed design for the new bridge entails a single, cast fiberglass span of 30 feet, with custom-fabricated, wooden approach ramps at either end to yield a gentle "S-curved" structure accessible to all.

The boardwalk and dock, also built by volunteers some 20 years ago, has, since its construction, been popular with boaters and fishermen as it provides convenient access to Fitzgerald Lake and a platform from which to launch kayaks and canoes. The boardwalk and dock also offer a unique opportunity to observe life in the adjacent freshwater marsh. In recent years, several sections of the boardwalk have begun to sag, frequent flooding near the dock has impeded access, and the accumulation of silt has made boat launching difficult. We plan to shore up the sagging portions of the boardwalk, raise the outer sections to put them beyond the reach of periodic floods, and extend it to deeper water so as to facilitate boat launching and provide an enhanced platform for viewing the marsh and the lake.

We hope to fund these projects entirely through grants from public and private entities. An application has already been submitted to the Recreational Trails Program of the Massachusetts Department of Conservation and Recreation, and further applications will be submitted this year. If we are successful in raising the necessary financial support, we anticipate that the work will be carried out in the spring and summer of 2016.

*Bob Zimmermann*



*Frequent flooding makes for a wet walk out to the bench at the end of the dock. (Dave Herships)*

## Upcoming Walks and Talks at FLCA

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### ***Birding for Children (Adults are Welcome)***

Marcia Merithew and Bruce Hart

Saturday, May 9, International Migratory Bird Day, 9-11 a.m.,  
Cooke Avenue entrance, at the former Moose Lodge

Please help spread the word about this birding program meant to help introduce all children, and support those already entranced, to the wonders of birding and the outdoors. We'll have a few leaders and extra binoculars. We'll complement the program with photographs of some of the birds we see, in order to help children focus in on what is being observed.

### ***Birding***

Bob Zimmermann

Saturday, May 23, 7-9 a.m.,  
North Farms Road entrance

As migrating songbirds return from Central and South America, they busy themselves with staking out territories, finding mates and building nests. All of this activity makes them easier to spot than at other times of year. We'll use sight and sound to see who's returned to the FLCA as we walk along the Lake Trail from North Farms Road to the lake, the dam and Cooke's Pasture.

### ***Wildflowers***

Janet Bissell

Sunday, May 24, 10 a.m.-noon,  
Cooke Avenue entrance, at the former Moose Lodge entrance

Janet will be looking for spring ephemeral wildflowers and other flora. She will discuss the natural history, folklore and identification of these wonderful forest plants. She will identify invasive species as well as discuss the impact they have on biodiversity. Gardening with native plants might also be discussed. Bring field guides and lens if available.

### ***The Delta Blues, or Why are there Springs at the Spring Grove Cemetery?***

Laurie Sanders and Fred Morrison

Sunday, June 7, 10 a.m.-noon

John F. Kennedy Middle School, in back near the playing fields

Glacial Lake Hitchcock, which covered Northampton twelve thousand years ago, still profoundly affects the vegetation and landscape patterns we see in our community. Join Fred and Laurie to learn more about the geological and natural history of the Spring Grove Cemetery and our adjacent conservation area.



*This narrow channel provides access through the cattails into Fitzgerald Lake. (Bob Zimmermann)*

### ***Watercolor Sketching***

Betty Wolfson

Saturday, July 11, 9 a.m., rain date July 12, 9 a.m.,  
North Farms Road entrance

Betty will offer her support, sensitivity and awareness, once again, with another opportunity to paint and draw from nature en plein air. If you have ever thought that working with watercolors was too difficult or unforgiving, you might reconsider as Betty will help to open our minds and hearts to experiencing nature. The program is open to all skill levels and ages. Please call Betty for details (413) 320-1721.

### ***Dragonflies, Damselflies, Butterflies, Beetles and Bugs***

Josh Rose

Saturday, July 25, 10 a.m. -noon +,  
North Farms Road entrance

Leaders with this depth of knowledge are few and far between. At a prior FLCA walk, Josh's group documented 10 species of dragonflies, 7 damselflies, and 7 butterflies. Beautiful beetles and moths will likely also be observed. Patient and observant children will also enjoy this program.



## FLCA Expands, Once Again

For the fourth year in a row, the City is poised to add to the Fitzgerald Lake Conservation Area. Wayne Feiden, director of Planning and Sustainability, expects to close in late spring on 24.76 acres on the west side of Boggy Meadow Road. The parcel is owned by the heirs of Frank Anciporch. It contains rich wetlands and forested upland, and there is ample evidence of beaver activity. The BBC Trails Committee has found at least one beaver dam on the property and believes there may be others.

The City Council approved the purchase for \$30,950. Funding will come from Community Preservation Act funds and a \$5,000 contribution from the Broad Brook Coalition.

BBC will also contribute up to \$1,000 for mitigation of the flooding on Boggy Meadow Road. The road needs to be accessible for maintenance vehicles, especially to reach the dam. It is believed that beavers on the Anciporch parcel are responsible for the flooding.

This will be the second parcel owned by the Anciporch family added to the conservation area. In early 2012, the City acquired 36 acres on the east side of Boggy Meadow Road.

Last year, 12 acres owned by Elizabeth McKown were added at the north end of FLCA and two parcels totalling 18 acres owned by the Gleason family were added. In 2013, the City expanded FLCA by more than 100 acres.

The conservation area was established in 1977 with 154 acres that included Fitzgerald Lake. With the second Anciporch purchase, FLCA will be nearly 830 acres!

*Margaret Russell*



*Nancy Goodman explains how to identify trees by their bark in a guided walk in FLCA last fall. (Jim Reis)*

### BBC Benefits from Valley Gives Campaign

Participation in the December on-line philanthropy day, Valley Gives, yielded \$2,753.42 for the Broad Brook Coalition, which was a much-appreciated funding boost for this small, all-volunteer organization. Several donors were new to BBC.

Dave Ruderman, a board member who created and maintains the BBC website and Facebook page, spearheaded the Valley Gives effort for BBC.

This was BBC's first foray into Valley Gives. While the Community Foundation of Western Massachusetts, host of the valley-wide fundraising campaign, has decided not to sponsor the effort next December, BBC looks forward to participating when the event is next scheduled.

### BBC Grateful for Generous Bequest

The Broad Brook Coalition was among numerous non-profit organizations in the Pioneer Valley to benefit from the estate of Hanna W. Hopp, who died in 2013. A long-time member, Ms. Hopp left a bequest of approximately \$13,000 to BBC. The first installment, \$6,585, was made last year, and the remainder is expected sometime this year.

The gift is unrestricted. The board has made no decision yet on the best use of this very generous – and unexpected – bequest.



*Animal tracks lead through a row of trees. (Bob Zimmermann)*



## Putting Your Donations to Work

BBC's activities can be sustained only through the generosity of you, our members. In return for the confidence that you have placed in us, we thought it would be useful to explain how we use your donations.

Here's roughly how it breaks down. Our annual budget, derived from membership fees, is about \$5,000 and supports a wide variety of undertakings: publication of the newsletter twice a year (\$800), printing of the FLCA brochure and nature trail guide (\$1,250), annual meeting (\$400), lumber and other materials for trail maintenance (\$1,200), honoraria for Walks & Talks leaders (\$600), and miscellaneous administrative expenses (\$500). In addition, we donate 5% of our membership fees (\$250) to affordable housing in Northampton (most recently, Habitat for Humanity). Contributions to the Land Fund, which amounted to approximately \$6,500 in the past year, are used exclusively for land acquisition and stewardship.

Certain activities are supported by government or foundation grants. Much of our work on invasive plant control—and all such work involving herbicides—has been funded by grants from the Massachusetts Land Trust Coalition and the Northampton Community Preservation Committee. In addition, a recent grant from the Norcross Wildlife Foundation enabled us to buy a number of much-needed tools and erect a signboard on North Farms Road to announce BBC events. Major projects are particularly reliant on grant funding: for instance, we have recently submitted an application for a grant to support the rehabilitation of the bridge, boardwalk and dock.

As ever, we appreciate your support!

*Bob Zimmermann*

To receive occasional email alerts regarding BBC Walks and Talks and Volunteer Work Days, go to the website and look for "join the listserv" under the events tab at the top of the page.



*Skiers, with their canine companion, pause on their way across a snow-covered Fitzgerald Lake. (Bob Zimmermann)*



*Plowing by the Department of Public Works kept the parking lot accessible at the North Farms Road entrance to FLCA. (Bob Zimmermann)*

Broad Brook Coalition  
P.O. Box 60566  
Florence, MA 01062

[www.broadbrookcoalition.org](http://www.broadbrookcoalition.org)

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## **Already a member? Consider passing this page on to a friend!**

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### ***Please Join Us!***

If you're not already a member, please complete this form and return it with a check to:

**Broad Brook Coalition, P.O. Box 60566, Florence, MA 01062**

☐ \$25 for Individual membership    ☐ \$35 for Family membership. *All contributions are tax deductible.*

Name \_\_\_\_\_

Address \_\_\_\_\_

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

Phone \_\_\_\_\_ Email \_\_\_\_\_

☐ Please sign me up for a paperless newsletter (email address required).

☐ I prefer to receive a printed newsletter by mail.

☐ I've included an additional tax-deductible contribution to the Land Preservation/Stewardship Fund.

☐ Please do not include my name on any listing of contributors to BBC.

### ***Broad Brook Coalition needs your help, too!***

We appreciate membership dues, but want you know that you can contribute in other ways.

Members and friends are needed to help carry out our goals.

***Please consider one or more of the following volunteer opportunities:***

☐ Trail Committee or Trail Steward    ☐ Stewardship Committee    ☐ Occasional Work Days

☐ Clerical Help    ☐ Newsletter Writer    ☐ Walks and Talks    ☐ Fundraising Campaigns