

Limited Edition Prints Still Available

If you haven't already heard the buzz, we have proudly released our *Open Spaces of the City of Bangor* map as limited edition signed prints by the artist Molly Holmberg.

Since the official unveiling, we have sold over half of our prints to members, businesses, and people throughout the community. This wonderful watercolor painting is a true celebration of the City of Bangor's open spaces, parks & playgrounds, and special landmarks. We are so happy to be able to share it with all of our members and friends.

These collectors' edition prints are in limited quantities, so reserve your own print before it's too late! They are available for \$100.00 and can be picked up at our office in Downtown Bangor or can be mailed to your home or office for a small shipping fee. Call us today at 942-1010 or email us at info@bangorlandtrust.org to reserve your own.



Molly Holmberg's Open Spaces of the City of Bangor map features Bangor's open spaces, parks & playgrounds, ball fields, and special landmarks throughout the City.

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New Contact Information

If you've had any trouble contacting our office by email lately, you will be glad to know that we recently changed our email addresses.

You can now reach us at **info@bangorlandtrust.org**. Take note that our old email addresses are no longer valid, so please update your address book to include our new contact information.

And in case you happen to forget, our website also features these changes for easy reference from home or work.

While you're at it, take a minutes to peruse our website. We've got monthly events, trail maps, and much more.

Thank you for your patience during our transition. We hope you will keep in touch.

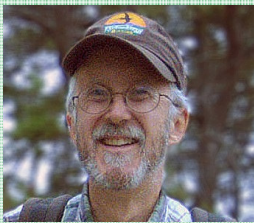
Bangor Land Trust Board of Directors



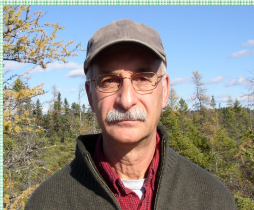
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A Message From Our President

The beavers in Walden-Parke have been pushing me to a new understanding of what it means to conserve a natural landscape. Human landscape architects take it upon themselves to design the layout of buildings, roads, parks and other land uses. In anthropocentric fashion, I had thought that these decisions were the birthright of our human species. I now know that there is another architect species, *Castor canadensis*, or American beaver. The word “architect” derives from the Greek for “chief worker,” and beavers certainly deserve this title.

When the Oldenburgs and Shuberts gifted Walden-Parke Preserve to Bangor Land Trust, their contribution included a beaver flowage, complete with dam and lodge. With thanks for the generous land donation, we agreed to manage the water level behind the existing dam to keep it from rising more than a foot and flooding land reserved for the Edgewood development. In our minds we had set aside an area for the beavers and an area for people. We carefully avoided creating any trail to the dam, because we wanted to leave the beaver habitat an undisturbed wildlife refuge.

The beavers evidently had an entirely different



Volunteers work to clear blocked culverts and surround them with fencing to prevent future blockage from our industrious beaver neighbors in Walden-Parke Preserve.

understanding of the matter. Over a two-year period they extended their activities downstream, building more dams and lodges, and then blocked the culvert under the old woods road that runs from the end of Tamarack Trail down to the old railroad bed. When water began flowing across the road, they began building a dam on top of the road.

Our Board members and other volunteers who rallied to rescue the road were filled with mixed reactions. On the one hand, the beavers had created a problem that we had to attend to – putting aside other activities and rising to the challenge of unclogging the culvert. On the other hand, those little guys were awesome landscape architects in their own right. Their dams were sturdily constructed of not only logs and twigs, but mud and cantaloupe-sized rocks as well. They had cut many trees and dug a series of canals to transport their harvests. Where once

there had been a small stream through the woods there is now a series of sizeable beaver ponds – homes for whole communities of wetland animals. It took them less than a week to plug the culvert again. I read that beavers can plug a 12” culvert in 20 minutes.

In our last round of human activity to defend the road before the hard freeze, we unplugged the culvert (for the 3rd time) and put a fence around it. It remains to be seen what the beavers’ next move will be.

We are looking forward to learning a lot about beaver management, and experiencing a deeper level of understanding of the ramifications of our commitment to share the earth with other animals. If you have a special interest in this adventure, please consider volunteering to be a beaver monitor – and contact the BLT office at 942-1010.

Thanks for a Successful 1st Annual Frogs, Logs, & Bogs Road Ride!

Many thanks to everyone who supported and participated in our 1st Annual Frogs, Logs, & Bogs Road Ride. After months of planning, the big day arrived and went perfectly, despite the rather chilly weather that weekend.

We are very proud to say that we had over 100 riders that contributed over \$4,500 in registrations and sponsorships. Local businesses also generously contributed over \$17,000 in cash sponsorships and much more as in-kind contributions, including prizes, goody bags, food, tents, chairs, tables, and other supplies.

We also owe a great deal of thanks to our incredible volunteers for a job well done! Our volunteers helped in every stage of this event, from planning to designing the logo to showing up on the big day to help with setup, registration, food, music, traffic control, bike repair, and cleanup. Thank you to each and every one

of you for all of your work.

We are so grateful for the generous support of businesses and individuals that made this event such a success for the participants and BLT. Community donations and support greatly helped keep the cost of the event at a minimum. What's most exciting is that the ride enabled BLT to add 70 new members to our family, and build vital relationships with over 30 local businesses.

Our 1st year has proved to be a fun way to raise money for stewardship of our 300+ acres of conservation lands. We were happy to hear positive feedback from both participants and sponsors after the event, and we are looking forward to another successful year.

Thank you again to all of you that participated. We hope to see you this fall for our 2nd Annual Frogs, Logs, & Bogs Road Ride!

Thanks Again to Our Sponsors!

Bullfrogs



Wood Frogs

AMES A/E
Bangor Daily News
Bangor Hydro Electric Co.
Husson College
Maine Commercial Tire
Quirk Auto Park
Sea Dog Brewing Co.
WBRC Architects & Engineers

Spring Peeper

Beal College
Casco Bay Energy Company, LLC
Gross, Minsky & Mogul, P.A
KISS 94.5 FM
UBS

Lily Pads

Aubuchon Hardware	Bagel Central
Bangor Federal Credit Union	Café Nouveau
Bangor Wine and Cheese Co.	Epic Sports
Frank's Bake Shop	Hannaford
Miller Drug	Park's Hardware
Pat's Bike Shop	Shaw's
Ski Rack Sports	Rose Bicycle
Rudman & Winchell	Triathlete Sports
Woodard & Curran	

South Penjajawoc Overlook Update

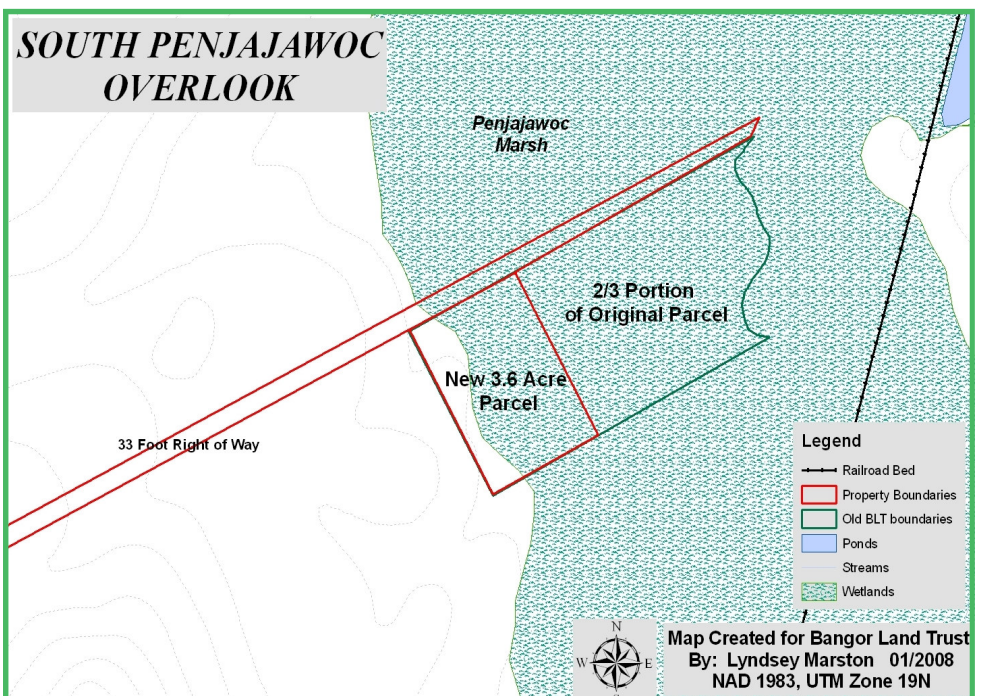
In May of 2003, BLT received its very first land gift from Columbia St. Baptist Church with great enthusiasm and appreciation. The gift was for a 1/3 interest in an approximately 11 acre parcel that lies within the Penjajawoc Marsh off Essex St.

Recently, the parcel was divided so that BLT now owns the full interest in a 3.6 acre portion (1/3 of the original property). Our new property is a lovely upland area that overlooks the open water of the marsh. It is an excellent spot for birding and we plan to manage the parcel primarily for this purpose.

Access is currently limited and difficult due to the wet nature of the area. We are, however, considering other options to

improve public access while still conserving the habitat and wildlife values of this unique marsh. We'll

keep you up to date as we progress.

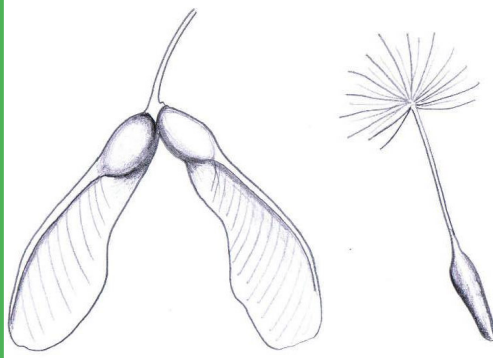


Nature Notes “Seeds, Seeds, and More Seeds” by Dick Andren

Seeds are survival specialists (and also tasty). In our northern climes, within weeks of a forest fire the ground is carpeted with vigorous young plants that have come from seeds left behind decades earlier.

These seeds have been blown in, stored (and forgotten) by animals, or left behind from previous inhabitants. Seeds have a very low moisture content and metabolize so slowly that some seeds, like lotus seeds, have lived for more than a thousand years before the proper conditions arise and they germinate. So one way to survive is to hunker down and wait for favorable conditions and then start to grow.

Seeds also are masters of dispersal. There are about 250,000 seed bearing plant species and a host of different techniques that spread the seeds to new potential habitats. Some have evolved wings and take advantage of the wind - maple and ash seeds come to mind. Parachutes can carry



Maple seeds (left) and Dandelion seeds (right) have specialized methods for dispersal.

dandelion and milkweed seeds for countless miles. Coconuts produce huge floating seeds that take ocean voyages in search of new areas to colonize. Tasty, sweet, nutritious fruit tempts many animals that then deposit the undigested seeds in nutritious manure.

Seeds only want to germinate when conditions are favorable for plant growth. Therefore, some seeds need large amounts of water to wash away chemicals that surround the seeds that have inhibited germination.

Other plants have evolved over millions of years to have chemical reactions that are inhibited or promoted by specific temperatures. Peach seeds need hundreds of hours of temperatures below 40 F in order to germinate. This prevents premature germination during a warm fall.

If you have a garden you certainly appreciate the tenaciousness of unwanted seeds germinating year after year in carefully tended plots.

Because the probability of any one seed surviving to produce a reproductively active adult plant is so low, many plants produce hundreds or thousands or millions of seeds in their lifetime. These seeds are an abundant stored food supply and nourish thousands of bird and other animal species that require this high-octane food supply.

So - under the snow are millions of seeds waiting for spring and their improbable chance of germinating. Thanks! Seeds.

Become a Member



*Fresh
snowfall at
Walden-
Parke
Preserve
this winter.*

If you would like to become a member of Bangor Land Trust or renew your existing membership, simply fill out the enclosed envelope and return it with your payment to:

Bangor Land Trust
P.O. Box 288
Bangor, ME 04402-0288

We greatly value your membership. Each contribution helps us achieve our mission and invest in Bangor's future.

Ready to Lend a Helping Hand?

If you've ever considered volunteering for BLT, right now is the perfect time to start. The spring and summer seasons are shaping up to be very busy and we have big plans to start in on many projects as soon as the weather is appropriate. And in the meantime, there are plenty of other tasks to accomplish.

Here are some of the volunteer projects we have coming up for the new few months:

- Timber cruises
- Bird box construction, installation, and cleaning
- Post event flyers
- Address envelopes

- Build and Install kiosks
- Vernal pool, woodcock, and other monitoring surveys
- Brush and blaze boundaries
- Lead monthly events
- Trail work
- Property stewards

If you are interested in helping with any of these items, please contact us at 942-1010 or at info@bangorlandtrust.org to sign up for our volunteer contact list.

Don't forget to bring a friend when you volunteer with BLT. The more the merrier, and you'll have much more fun with a friend at your side.

Reduce, Reuse, Recycle

According to the EPA, the U.S currently recycles 32.5% of its waste—a figure that has doubled over the past 15 years. Recycling of the following specific materials has also increased over recent years:

- 52% of all paper
- 31% of all plastic soft drink bottles
- 45% of all aluminum drink cans
- 63% of all steel packaging
- 67% of all major appliances

In 2005, Maine residents and businesses produced over 1.9 million tons of garbage and recycled 36% of this waste.

Bangor residents alone recycled 140 lbs of materials per person in 2006. Our recyclables were 1% office paper, 14 % cardboard, 29% newspaper, 2% clear glass, 2% green and brown glass, 2 % tin cans, 1% #2 plastic, and 50% recovered metals.

The Maine Legislature has set a goal to recycle 50% of the state's waste by January 1, 2009. This would be a start to closing the gap between the amounts of solid waste that are disposed versus recycled.

The benefits of recycling in Maine add up quickly. A study done by the Northeast Recycling Council on "The Environmental Benefits of Recycling in Maine: An Overview for 2003" highlights the positive outcomes from municipal and commercial recycling. Our recycling efforts in 2003

- Reduced greenhouse gas emissions by amounts roughly equal to 55% of all industrial carbon equivalent emissions from fossil fuel combustion in Maine and 11% of greenhouse gas emissions

- Saved enough energy to power 202,385 homes for one year
- Reduced water and air pollutants equivalent to 12.8% of all such emissions from electrical utilities in Maine
- Reduced the need to cut 3,324,000 trees which individually remove 60 pounds of air pollution from the environment.

Recycling is something that we can all do as individuals, businesses, and entire communities to reduce our carbon footprints and support a more sustainable lifestyle. It remarkably saves energy, reduces our need for virgin resources, reduces pollution, and

keeps materials out of landfills, incinerators and other waste facilities.

Buying recycled products is also an important factor in closing the loop by creating markets for the items we recycle at home or at work. People need to buy these products in order for recycling efforts to succeed.

As we all begin to look for solutions to living more "green," recycling is a simple solution that can start in the home and will surely spread throughout our lives as we understand its importance. If you haven't already utilized local recycling resources, start today and look forward to a better tomorrow.

Items recyclable in Bangor:

Visit www.cityofbangor.com for more information

- Newspaper
- Magazines, Catalogs, Phonebooks
- Tin and Aluminum Cans
- Plastic Bottles (limited #2 only)
- Cardboard
- White Goods
- Yard and Garden Waste
- Hazardous Waste

Additional materials that can be recycled in Maine:

Visit the State of Maine DEP Bureau of Remediation and Waste Management or State Planning Office's Recycling & Waste Management website for more information and where to recycle

- Compact florescent bulbs
- Electronics (computers, televisions)
- Thermostats

Items recyclable at the University of Maine's Depot Recycling and Redemption Center:

View their Sort & Save Guide at: http://www.umaine.edu/ofm/sustainability/sustainability_docs/sort&save.pdf

- High Grade Paper
- Low Grade Paper
- Cardboard & Boxboard
- #2 Plastic Bottles & Jugs
- Glass Bottles and Jars
- Waste Motor Oil
- Metal Cans & Aluminum Foil Products
- Cell Phones & Printer Cartridges
- ME Returnable Bottles & Cans
- Clean Clothing

Recycling Fast Facts

- For every 6 tons of recycled container glass used, 1 ton of carbon dioxide is reduced.
- For every ton of paper that is recycled, 17 trees are saved.
- Recycling 1 aluminum can saves enough energy to keep a 100 watt bulb burning for 4 hours or to power a television for 3 hrs.

Upcoming Events

Winter Walk

Join us for a winter outing at Northeast Penjajawoc Preserve. We will lead walkers along the trails to explore our newest property. Please wear appropriate footwear for the weather; snowshoes or tall boots may be necessary.

February 10th 10:00am
Northeast Penjajawoc Preserve

Winter Tracking with the Maine Discovery Museum

Learn about animal tracks in winter, and where to look for tracks and signs of different common animals around Bangor. We will be on hand to talk about tracks and different animal habitats on our properties. BLT members will receive free admission to the museum for the

day.

March 9th 2:00-3:30pm
Maine Discovery Museum

Photography Workshop

Bangor Photo's Joni Dunn will instruct photographers of all experience levels through an exploration of Walden-Parke Preserve in Spring. Please sign up in advance and let us know what kind of camera equipment you have.

March 29th 10:00am
Walden-Parke Preserve

Antler Hunt

After the fall breeding season, the antlers of the white-tailed deer are shed as hormone levels and photoperiod change. By searching areas inhabited by deer in late fall and early winter, their

sunbleached, whiteish antlers can be found. With many deer on Marsh Island, a search in April should reveal some antlers.

April 5th 10:00am to Noon
Meet at the Huber Resources parking lot—take Rt. 2 through Orono towards Old Town. Huber is on the left across from the Sunkhaze Refuge headquarters before you go down the hill to the mill.

Would you like to receive monthly reminders of upcoming events and be the first to know about BLT news and happenings?

Sign up now for our email listing by sending an email to info@bangorlandtrust.org.

*Newsletter printed on recycled paper and created by Lyndsey Monroe Marston, Program Coordinator.
Printing generously donated by Bangor Letter Shop*

Our mission is to protect in perpetuity for public benefit significant lands and waters and their natural, agricultural, scenic, and traditional values and characteristics; promote general and scientific understanding of the region's natural resources and the need for their preservation; collaborate with organizations having related missions.

"Conserving Bangor's Natural Heritage"

**Bangor, ME 04402-0288
P.O. Box 288**

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