

Eagle Numbers Soar in 2012

by Chris Martin



Maine-banded sub-adult eagle on East Inlet in Pittsburg in August 2012. Photo by Peter Gray.

New Hampshire's state-threatened Bald Eagle population is in the midst of a very robust recovery. The recently completed 2012 breeding season was a record-setter with increases in almost every eagle breeding statistic that we monitor in collaboration with the NH Fish and Game Department's Nongame Program. It only takes one glance at the graph below to see that eagles are indeed on the rebound.

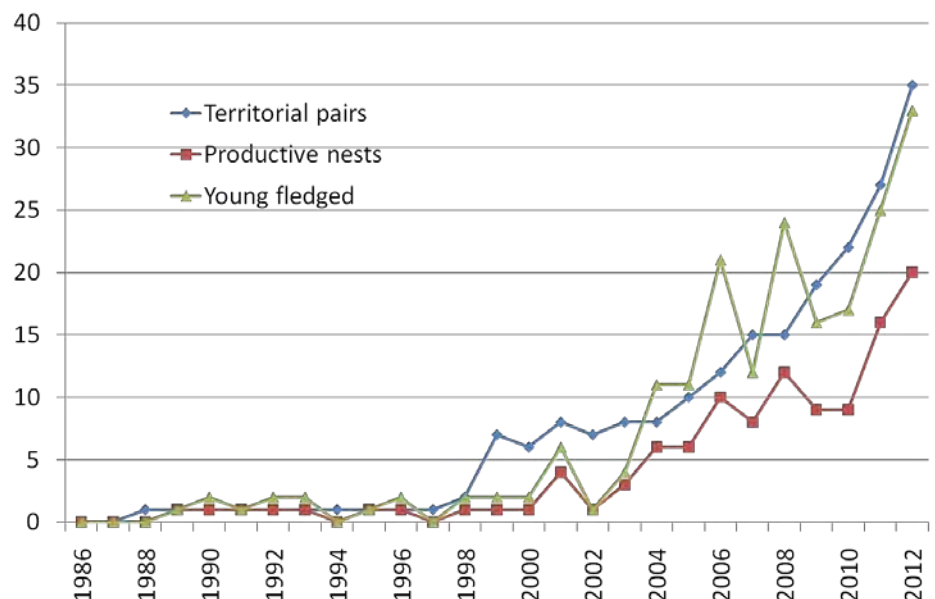
The 2012 breeding season's 35 territorial pairs in New Hampshire were an increase of nearly 30% over the 27 pairs we documented in 2011. A total of 33 young eagles fledged from nests in 2012, up from 25 fledglings produced in 2011. And we tallied 20 successful eagle nests in 2012, up 25% from the previous year. All these statistics set new post-DDT era record-high marks for the Granite State. New Hampshire's statewide totals for 2012 do not include at least nine additional border-nesting pairs (seven in Vermont along the Connecticut River, and two in Maine near Umbagog Lake). These birds spend a good deal of time in New Hampshire, but their nest trees are located in these neighboring states, so we don't count them in our breeding season totals.

A grand total of 198 young Bald Eagle chicks have fledged from nests in the state since the species began nesting here again at Umbagog Lake a quarter-century ago. Most astonishing, nearly one-third of those fledglings have been produced just within the past two breeding seasons!

Among several new nests confirmed across the state in 2012, there were first-time productive nests found near Moore Dam in Littleton, on Newfound Lake in Hebron, and on Wentworth Lake in Wolfeboro. The Pemigewasset and Merrimack rivers, from Bristol to Nashua, now host at least four pairs, and at least two territorial pairs appear to be settling in on the Connecticut Lakes in Pittsburg.

While seeing an eagle on your local lake or river may still come as a surprise to many, when you consider the various segments of the state's 2012 population it becomes clear why such sightings are increasingly common. Just add up New Hampshire's 35 territorial pairs (that's 70 individuals) plus their 33 fledged young, and you get a total of 103 birds. Then double that figure (at least!) to account for the state's many transient immature eagles in the one-, two-, and three-year old cohorts. Adding all this up, it is not a stretch to arrive at an estimate of 225 or more individual Bald Eagles present in the Granite State at the end of summer of 2012!

New Hampshire Bald Eagle Productivity, 1986-2012



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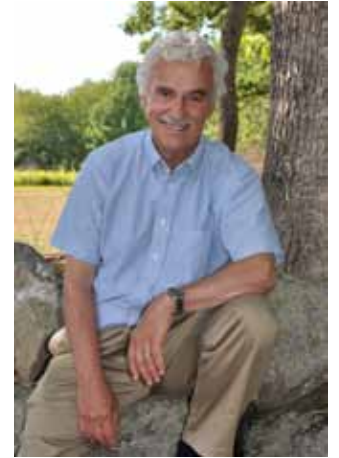
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Kelly Wing, *General Editor* (kwing@nhaudubon.org)

Banner photo by John Hession.



From the President's Desk



Dear Friends,

The quiet of winter is a good time to rest, to just be, a time to reflect.

As the cold blows in and the mornings dawn crisp and clear, I find it easier than in the whirlwind of the other seasons to pause and reflect on what New Hampshire Audubon stands for. When I consider our mission "protecting New Hampshire's natural environment for wildlife and for people," one word seems to encompass the array of things that we do: Stewardship. Whether it's protecting and restoring our native bird populations, teaching children to be the conservationists of tomorrow, managing our sanctuaries, or advocating on behalf of our environment, New Hampshire Audubon stewards this beautiful state that we live in...the land, water, air and wildlife. Your investment in New Hampshire Audubon helps sustain this vibrant work.

As we approach a new year, I invite you to reflect on your role as a citizen and a steward of New Hampshire's natural world. I also invite those within striking distance of the McLane Center to attend our 2013 stewardship series: *Protecting New Hampshire's Landscapes and Wildlife*, eight free evening talks, January through May. Experts from NH Audubon partners in the private, federal, and non-profit worlds will cover topics ranging from habitat management for New England cottontails to controlling invasive species and protecting grassland birds to stewarding your own backyards through sustainable woodlot management.

I would also invite you to check out the winter program listings at the Massabesic Center and Amoskeag Fishways in this issue of *Afield*. And don't forget to watch for chapter happenings in your area. Now that I think of it, maybe winter won't be so quiet after all!!

Mike

Michael J. Bartlett
President, New Hampshire Audubon

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If you do not receive our emails, subscribe today to be sure you are not missing out on our monthly electronic newsletter, *E-field*, and exciting program opportunities! Visit www.nhaudubon.org and click "Subscribe to E-News" in the lower right-hand corner.

Ornithology Corner: Cats and Birds - What's the Real Story?

by Pamela Hunt

There was once a small flightless bird called the Stephen's Island Wren, found only on a remote island off New Zealand. It was "discovered" in the summer of 1864, when a lighthouse keeper's cat brought him a present. By the fall of 1865, however, the wren was extinct, an event generally attributed to a burgeoning population of feral cats on the island.

We all know that cats eat birds. What we don't necessarily know is how many they eat or the effects of this predation on native bird populations. The example above is obviously an extreme one, but there is growing interest among conservation biologists in trying to get a better handle on the issue. A major hurdle in this endeavor is the simple fact that cats are – as any cat owner can attest – not inclined to fill us in on their every move. Surveys of cat owners indicate that anywhere from 25 to 90% of cats bring prey home. Similarly, the number of prey per cat varies considerably, averaging 1-3 per month. In most cases, the majority of prey are mammals (40-85%) vs. birds (15-25%).

So those are the raw numbers, and there have been many attempts to extrapolate these to national estimates of the impact of cats on native wildlife. For example, there may be as many as 90 million pet cats in the US, half of which are allowed outside. Using mid-points of the data above, perhaps 20 million pet cats bring home maybe 100 million birds a year. But two things aren't included in these calculations: 1) there are an unknown number of feral cats (one estimate is equal to the number of pets) and 2) prey brought home are obviously a subset of prey actually killed. Both are likely to raise the mortality estimate – potentially considerably.

A recent study at the University of Georgia took a step toward answering the second question above. Working with volunteer cat owners, a graduate student attached small video cameras to 55 cats in the city of Athens. Based on the data collected by these cameras, 16 cats actually hunted but they only brought back a quarter of the animals they killed. This means that actual mortality may be up to four times that estimated by previous studies that only looked at cats' "presents." The sample size is small, but this would suggest some 400 million birds are killed by "outdoor cats" each year. Adding in the unknown mortality from feral cats could more than double this.

An important caveat is that it's risky to extrapolate from limited data (16 cats in Georgia are certainly not representative of all cats in the US!). The bottom line is that cats DO kill lots of birds. This message rings loud and clear right here in New Hampshire, where beach-nesting Piping Plovers are particularly susceptible to predation in Seabrook and Hampton. The particular threat in this case is from "semi-feral" cats in a cat colony maintained by well-meaning local residents. Newly hatched plovers are easy prey to these cats, which are concentrated in a housing area less than 1000 ft from where the birds breed. Predation by cats has been suspected in the disappearance of several chicks over the past 10 years and has been confirmed in the deaths of two adults. The US Fish and Wildlife Service and NH Fish and Game Department have successfully collaborated to stop an official trap-neuter-release program near plover nesting areas. Such programs reduce cat reproduction but do not reduce the number of cats that can predate plovers. Efforts continue to reduce the impacts from existing cats and newly abandoned cats (e.g., from summer renters).

In addition to benefitting wildlife, keeping cats indoors is also good for the cats. They are not exposed to predators, disease, fights with other cats, cars, and other hazards. More information on this issue is available at: <http://www.abcbirds.org/cats/>.



News

NH Bat Surveys

by Laura Deming

This past summer, thirteen volunteers joined biologists from NH Audubon, NH Fish and Game Department (NHFG), and the US Fish & Wildlife Service (USFWS) in a statewide survey for New Hampshire's eight bat species. With a microphone attached to the car roof, each observer drove a 20- to 30-mile route at night with equipment that recorded and digitally stored the high-frequency vocalizations that bats emit while foraging. Analyses of the acoustic data will show which species were present along each route. Surveys conducted in June were aimed at detecting local breeding bats, whereas surveys in July and August included species migrating through the state.



Group of bats on a hibernaculum wall (cave). Photo by Scott Reynolds.

New Hampshire's bat surveys are part of a nationwide effort coordinated by the USFWS to gather baseline information on bat populations throughout the United States. Similar efforts are under way in Canadian provinces. Determining the presence and relative abundance of bat species has become especially critical since the discovery of White-nose syndrome (WNS) in New York in 2006. Named for a white fungus that grows on the hibernating bats, WNS causes hibernating bats to wake up, thus raising their metabolism and depleting fat reserves. Since winter of 2006-2007, WNS has spread to nineteen states and four Canadian provinces, killing over 5.7 million bats. The disease was discovered in five of seven New Hampshire bat hibernacula in the winter of 2008-2009.

Another survey effort is aimed at finding and monitoring maternity colonies, where female bats gather in large numbers to give birth and raise their pups. Typically found in barns, houses, church steeples, and other buildings with unoccupied spaces, maternity colonies are mostly populated by little brown bats, but sometimes also have a few big brown bats.

If you think you have a maternity colony, and want to learn more about how to conduct a survey, visit the NHFG website under the Nongame Endangered Species Program (<http://www.wildlife.state.nh.us/Wildlife/Nongame/bats.html>).

If you are interested in becoming a bat survey volunteer next year, please contact Laura Deming (ldeming@nhaudubon.org).

EAGLE NUMBERS, CONTINUED FROM PAGE 1

NH Audubon's bald eagle project is currently funded by a federal State Wildlife Grant from NH Fish and Game and by a very generous multi-year grant from TransCanada Corporation. We also receive important support from NH Audubon donors and volunteers. New Hampshire's shared 275-mile border with Vermont along the Connecticut River now supports 16 territorial pairs, whereas just a decade ago there was only one known nesting pair along the river. Biologists from Audubon Vermont and the Vermont Fish and Wildlife Department are collaborating with us to better inventory and manage this shared population thanks to TransCanada's financial support. This year we also concluded the state's first satellite tracking study involving bald eagles, a project funded by the National Fish & Wildlife Foundation.

Thanks to all these individuals and organizations for your interest and partnership, and for your continued support!



Adult eagle broods a chick in a nest in Plainfield in May 2012. Photo by Judy Lombardi.

98th Annual Meeting Highlights

New Hampshire Audubon hosted its 98th Annual Meeting at the Lawrence Barn Community Center in Hollis on September 29. Approximately 80 members and friends gathered to celebrate recent accomplishments and the 2012 awardees.

- The Tudor Richards Award was presented by Paul Nickerson to Art Mudge of Hanover for his commitment to our state's environment and its youth through involvement over the years in many organizations. The award recognizes an individual who has worked tirelessly and effectively for conservation in the Granite State.
- The Goodhue-Elkins Award was presented by Jay Barry to Roger Lawrence of Merrimack, long time bird observer, recorder, trip leader, educator, bird bander, and mentor. The award recognizes an individual who has made outstanding contributions to the study of New Hampshire birds.
- The Volunteer of the Year Award was presented by Sarah Koval to Bev Youree for her tireless work at and creative contributions to NH Audubon's Massabesic Audubon Center in Auburn. The award recognizes those who through their dedication and hard work have made an outstanding contribution to the success of NH Audubon and its work.
- The President's Award was received by seven volunteers who have played key roles in NH Audubon's 5-year NH Dragonfly Survey. The award recognizes a stalwart friend of NH Audubon, be it a group or individual, whose actions and commitment over the years have significantly furthered the organization's work. This year's recipients were: Holly Grant, Betsy Hamlin-Morin, Larry Potter, Martha Reinhardt, Tricia Saenger, Dennis Skillman, Scott Young.

We congratulate all of this year's award recipients for their many contributions. You can read about them at www.nh Audubon.org/about/annual-awards.

Thanks to Normandeau Associates for sponsoring the meeting and to the Nashaway Chapter for hosting it.



Art Mudge receiving the 2012 Tudor Richards Award from Barbara Richards. Photo by R.A. Quinn.

Opportunities

Speaking for Wildlife Training: Learn to Give a Talk and/or Learn to Lead a Walk

McLane Center, Concord, December 8
9am-12pm: Field Trip 101: You CAN Lead a Guided Walk!
12:30-3pm: Speaking for Wildlife Training – How to Give a Talk

This fun, interactive half or full day workshop is open to all natural resource volunteers (including NH Audubon's Sanctuary Stewards and Chapter Representatives, Coverts Cooperators, Conservation Commissioners, and other community volunteers). During the morning session, we'll cover the basics of planning and executing a successful guided walk. In the afternoon, we'll introduce the five wildlife-themed presentations available through the Speaking for Wildlife program, review Powerpoint basics, and cover the basics of planning and delivering an indoor talk. Join us for the morning, afternoon, or both!

Participants in this free training should be willing to commit to leading at least one outdoor event or giving one talk during the subsequent 12 months. You can do it! It's easy, it's fun, and we promise you'll feel prepared after this workshop!

For more information, please call Emma Carcagno at (603) 862-2512. RSVP required – please call Debbie Anderson at (603) 862-1028 to register. This workshop is sponsored by UNH Cooperative Extension, Society for the Protection of New Hampshire Forests, and NH Audubon.

Enchanted Forest Volunteers Needed

Many Audubon members and friends have fond memories of the Enchanted Forest, an event that celebrated autumn and the mysteries of nature. Highlights included trails through the woods illuminated by jack-o-lanterns, fun and educational skits with larger than life characters, stories told around a campfire and more. Plans are brewing to resurrect this event at the McLane Center, but we can't do it without support and commitment from many volunteers and sponsors. We are forming an organizing committee, but would like to hear from anyone who is interested in participating at any level in this event (whether you helped in the past, wish you had, or are new to the idea). Please contact Ruth Smith at ruthnaturally@myfairpoint.net if you would like to contribute to bringing this magical event back to life.

Remembering

New Hampshire Audubon was saddened by the loss of a number of volunteers and supporters who will be missed.

Rawson L. Wood (1908–2012) was an Honorary Trustee and recipient of NH Audubon's Tudor Richards Award in 1992. He was active in many other conservation organizations, including the New Hampshire Environmental Coalition, the Squam Lakes Association and the Lakes Region Planning Commission, and the New Hampshire Governor's Advisory Council on Growth. Rawson was especially passionate about Common Loons and worked tirelessly for their conservation. In 1975, concerned by the decreasing number of loons on Squam Lake where he and his family had summered, Rawson created the Loon Preservation Committee (LPC) to recover New Hampshire's loon population.

On his 100th birthday, Rawson received a proclamation from New Hampshire Governor John Lynch and special citations from the New Hampshire Senate and the US Fish and Wildlife Service in honor of his many achievements. In Rawson's honor, the LPC Board established the Spirit of the Loon Award, to recognize an individual who exemplifies outstanding volunteer service to loons and the LPC. Rawson was the first recipient. He was an unforgettable person who made a lasting impact on conservation in New Hampshire.

Bernard "Buck" Corson (1920–2012) served as a NH Audubon Trustee and Chair of the Loon Preservation Committee. He also served on the board of directors for the New England Fisheries Council and the board of directors of the University of New Hampshire. A renowned ichthyologist, Buck was appointed to head up a federal program to eradicate non-native lamprey eels from the Great Lakes. In 1968, he was appointed as Director of the NH Fish and Game Department before retiring in 1978.

Among many notable accomplishments, he will be remembered for introducing hunter safety education, his crackdown on polluters to NH rivers and lakes, restoration of Atlantic Salmon to the Merrimack River and its tributaries, and the reintroduction of Wild Turkeys to the northeast. Buck Corson was an environmental steward of the highest degree who led by example and marveled at the symbiosis between the Creator and Mother Nature.

Bob Dedrick volunteered at the Massabesic Audubon Center since 2005 and fulfilled such vital roles as front desk greeter on busy Saturday mornings, animal care volunteer (particularly caring for our resident chipmunk), and in various capacities at all of our major events. He will be missed dearly.

Eugene Martin was a NH Audubon Trustee and Chair of the Loon Preservation Committee. He often took biologists out in his boat on Lake Umbagog and it was typically an unforgettable experience.

Jean Tasker volunteered for 17 years as the Backyard Winter Bird Survey Project Assistant. She was always willing to put in extra hours or help with other projects as needed. She was 90 when she finally retired as a volunteer and we still miss her.

Jean Verville was an officer of the Capital Area Chapter and a long-time NH Audubon volunteer who helped with numerous projects such as surveying for winter eagles with her husband, Jack, and helping with mailings at the McLane Center.

We are also grateful to these other long-time volunteers and supporters of New Hampshire Audubon in so many ways:

Theresa Abbott
Priscilla Wright
Vera S. Wright

Thoughtful gifts were made in memory of the following individuals:

Bernard Corson	Jean Tasker
Bob Dedrick	Jean Verville
Leonard Ferguson	Vera S. Wright
Philip Lagerbloom	
Richard G. Seamans	
Marcella Stewart	

STEWARDSHIP SERIES: Protecting New Hampshire's Landscapes and Wildlife

A free evening lecture series from January through May, 7–8:30 pm
No pre-registration required.

New England Cottontail Management in New Hampshire: January 17 Emma Carcagno, UNH Cooperative Extension

Despite its reputation for prolific breeding, the New England cottontail is being considered for federal protection under the Endangered Species Act, and is listed as an endangered species in New Hampshire. Though once common throughout much of central and southern New Hampshire, the New England cottontail is now only found in the Merrimack Valley and Seacoast regions of the state. Join UNH Cooperative Extension Wildlife Program Assistant, Emma Carcagno, as she discusses New England cottontail biology, habitat requirements, management techniques, and current state and federal programs offering education, and technical and financial assistance.



Invasive Species: A Growing Problem in New Hampshire: January 31 Amy Smagula, NH Department of Environmental Services

What are invasive and exotic plants in New Hampshire? Why are these plants such a problem? What can we do to prevent and control them? Amy Smagula, a freshwater biologist with the NH Department of Environmental Services, will introduce the topic of invasive species, the problems they pose, and their impacts on the environment, with an emphasis on invasive aquatic plants in lakes, rivers and other freshwater ecosystems in New Hampshire.

Exotic Plants and Wildlife (with a special focus on birds): February 21

Matt Tarr, UNH Cooperative Extension

What effect are invasive, non-native plants having on New Hampshire's wildlife populations? Do these plants provide good habitat for birds and other wildlife? Matt Tarr, a wildlife specialist with the UNH Cooperative Extension Service, will provide an overview of the current state of knowledge regarding how exotic plants compare to native plants in providing habitat for wildlife. He will discuss his current research on how exotic shrubs influence habitat for shrubland-nesting birds and offer suggestions for how you can work with the native and exotic plants in your landscape to provide the most benefit to wildlife.

UPCOMING LECTURES:

March 21: Invasive Plants in NH with Jeff Taylor, Vegetation Control Services

April 4: More Than a Woodlot with Stephen Long, Author

April 18: Backyard Habitat: Native Landscaping with Marilyn Wyzga, Author

May 2: Grazing for the Birds: A Conservation Collaborative with Carole Soule & Bruce Dawson, Miles Smith Farm

May 16: Managing for Native Pollinators with Don Keirstead, Natural Resources Conservation Service

For more details, including speaker biographies, visit www.nh Audubon.org/stewardship-series

NH Audubon's Nature Store
at the McLane Center

Visit NH Audubon's Nature Store this holiday season for a wonderful variety of nature-inspired gifts. All proceeds from Nature Store sales support the work of NH Audubon.

Special Holiday Hours:
Every Tues-Fri 12–5 pm,
& Saturdays 12/1, 12/8, 12/15, 12/22
from 10am–4pm

Featured Products this Holiday Season:

- Great selection of field guides
- Bird feeders & Seed
- Locally made in New Hampshire jewelry and gifts
- Wildlife-inspired children's toys and puppets
- NH Audubon logo items
- Wide variety of books
- 2013 Audubon calendars
- Bird & nature themed holiday cards
- Gift Memberships to NH Audubon

SHOP LOCAL!

84 Silk Farm Road, Concord, NH 03301

224-9909

Amoskeag Fishways Learning Center

FISHWAYS FUNDAYS

9:30–11am or 12:30–2pm

Fundays are for children ages four to five accompanied by an adult and include both an outdoor component and a craft. Winter Animals Fundays Series begins in January! Please check amoskeagfishways.org for full series listings.

Cost: \$8 per program or \$42 for 6–program series.

Eco–Art with Evergreens

December 12, 9:30–11 am or 12:30–2 pm

Discover the beauty and special traits of our local evergreen trees by using them to create natural art projects. We'll look at evergreen parts up close, go on an evergreen hunt, and make festive decorations to take home.

Animals in Winter

January 9, 9:30–11am or 12:30–2pm

Who is out and about around the river when everything freezes and snow covers the ground? Discover which animals you might see when it's cold and how they survive the winter.

Life Under Ice

January 23, 9:30–11am or 12:30–2pm

What happens under the ice on our rivers, lakes and ponds when it gets cold? Is anyone moving around down there? Learn all about the amazing underwater world in winter!

Animal Tracks and Traces

February 6, 9:30–11am or 12:30–2pm

How do we know which animals have been around in winter even when we don't see them? They leave clues! Put on your detective hat and help us discover clues left behind by winter animals around the Fishways.

Amazing Owls

February 20, 9:30–11am or 12:30–2pm

Whooooo flies beautifully, hunts silently and calls at night? Owls, of course. Learn all about the many different owls who are active in winter, discover what they eat and even try your luck at mimicking some of their calls.

FAMILY FRIDAY NIGHTS

(Programs are for all ages and focus on the Merrimack River and its watershed)

Family Wreathmaking and Natural Creations

November 30, 7–8:30 pm

December 1, 10am–12pm

Make a beautiful seasonal wreath with your family. We'll use all natural materials to make a fragrant, long lasting, and truly unique wreath, as well as other fun decorations to 'spruce up' your home. **Cost: \$15 per wreath**

Winter Hawks and Owls

December 14, 7–8 pm

Manchester provides great winter habitat for large birds of prey. Discover their favorite prey animals as we take apart hawk and owl pellets to see what they've been eating.

Clever Crows

January 18, 7–8 pm

American Crows are smart and social. Find out why they form large flocks in winter and how they use teamwork and communication to soar above the challenges of the cold.

Rascally Rabbits

February 1, 7–8 pm

Enjoy a hippity hoppity program to learn about New Hampshire's Eastern Cottontails and Snowshoe Hares. A very special guest will join us as we celebrate our long-eared, big-footed friends.

SPECIAL PROGRAMS

Let's Go ICE Fishing

Friday, February 15, 6–8 pm

Saturday, February 16, 9am–Noon

Shake off the winter blues and learn how to ice fish with the staff and volunteers of New Hampshire Fish and Game. Ice fishing is a great way to spend the day outside with the entire family. This two-part program will start Friday evening by introducing ice safety, fish ecology, equipment and bait, and how to dress to beat the cold. Saturday we'll head out to a local pond to try out our new angling skills. Parents and participants over 16 do not need a fishing license during the organized field trip. Program is FREE but registration is required. All angling gear will be provided. Bring your own lunch. Proper outdoor clothing is a must. Appropriate for ages 10 and up.

Winter Eagles Along the Merrimack

Saturday, February 9, 9am–noon

As Canadian waters freeze over, bald eagles come south to find open water for fishing. Join us as we search along the Merrimack for these handsome northern tourists. Bring binoculars if possible. Cost: \$2 per person or \$5 per family.

SPECIAL EVENTS

Open House: December 27, 11am–3pm

Spend a day of your school vacation enjoying a party at the Fishways! Our annual "thank you" Open House features live animal shows, "Slimy Salamanders," and "Terrific Toads". Enjoy a special Winter Presentation on American Eels at 2pm for all ages. We'll make eel hats and learn together what the future may hold for this most interesting of Merrimack River fish. Create fun crafts, eat yummy treats, and win door prizes! This is a FREE event for all ages. No pre-registration necessary.

VACATION PROGRAMS

Half day programs for children in grades 1-5. Children should bring winter boots, warm clothing, and a snack. Cost: \$20 per child

Patterns in Nature: February 27, 8:30am–noon Explore the mysteries of tree rings, snowflakes, and spider webs.

Animals in Winter: February 28, 8:30am–noon

Search for signs of winter critters around the Fishways.

Fletcher Street, Manchester, NH 03105

626-FISH (3474)

ADULT PROGRAMS

Binocular Workshops

Sunday, Dec 2, Jan 6, Feb 3, 1-2 pm

Cost: \$3 M/\$5 NM

Leader: Jon Woolf

Join us for a basic workshop on how to choose and use binoculars. We'll talk about magnification, objective lens size, quality, and how to pick the right pair for you. Try out a few different types and ask questions of our experienced birder.

Do-It-Yourself Herbal Holiday Bodycare Gifts

Thursday, December 6, 6-8:30 pm

Cost: \$25 M/\$35 NM + \$5 materials fee

Leader: Maria Noel Groves, Clinical Herbalist, Wintergreen Botanicals

Save money and promote wellness with great, all-natural bodycare and herbal gifts. We'll discuss and demonstrate the basic steps for making lip balm, body cream, bath salts & sugars, aromatherapy spray, and massage oil. Make five of your own products to bring home and give as gifts.

Photography Silent Auction Fundraiser

Sunday, December 9, 2-4 pm

Cost: FREE

Join us for your last chance to bid on some amazing nature photography taken and donated by local amateur artists. There will be refreshments, a live animal or two, and good company. Take home a photo for yourself or make it a holiday gift. All money from the auction goes to benefit Massabesic's programs and live animals.

Nature Camp for Adults

Saturday, February 2, 12:30-4:30 pm

Cost: \$20 M/\$30 NM

Leader: Angie Krysiak, Program Naturalist

Adults! Come be a kid again and join us for a day of winter play. We'll go for a snowshoe walk, learn to look for winter tracks and other animal sign, and make a winter campfire. Dress to be outside! Bring snowshoes if you have them; we'll provide them if you don't.

Soap Making Workshop

Saturday, February 16, 1-3pm

Cost: \$15 M/\$25 NM, plus \$5 materials fee

Leader: Barbara Benton, Little Cabin Crafts

Come join us for a demonstration of making hand-crafted soap using all natural ingredients and essential oils. Follow the entire process: the selection of recipe and ingredients, the choice of utensils and equipment, mixing and pouring into a mold. Watch a recently processed batch being cut into bars using a guitar string. Take home a finished soap bar from a previously cured batch.

Nature Photography Workshop Series

Saturdays, February 16, 23, March 2, 12-4 pm

Cost: \$120 M / \$150 NM for the whole series or \$45 M/ \$55 NM for individual sessions

Leader: David Saxe, USA Aloft, LLC.

Join us for David Saxe's successful series of nature photography classes. Introductory level course. Please have your camera make and model available when you register, and be prepared to go outside. For more specific information, please visit www.usaaloft.com/courses.

Feb 16: Composition, Venues and Examples

Feb 23: Camera Equipment and Operation, Field Techniques

Mar 2: Exposure, Focusing / Depth of Field, Workflow

Snowshoe Rentals!

Cost: \$7 M / \$9 NM per pair

Enjoy nature in winter at the Massabesic Audubon Center as you trek the trails on snowshoes! Enjoy traversing the snow-covered trails from the Center down to the shores of picturesque Lake Massabesic.

Snowshoeing offers folks a fun winter sport activity that is also one of the oldest forms of snow travel.

Rent the shoes for one hour or all day. Shoes for use on-site only. Limited pairs available for children.



Massabesic Audubon Center

The Nature Café

Fridays, 7–8:30 pm

Cost: \$5 per person, Free for Massabesic Volunteers

Come join us once per month at the beautiful Massabesic Audubon Center to enjoy coffee, tea, hot chocolate, and delicious desserts while you learn about our natural environment. Pre-registration is required.

Evergreen Winter Wellness

Friday, January 11, 7–8:30 pm

Even in the depths of winter, our backyards hold an apothecary of healing remedies. Clinical herbalist Maria Noel Groves from Wintergreen Botanicals will teach you which common evergreens can help heal coughs, colds, sinus infections, achy joints, and weird skin issues. We'll brew up some tasty pine needle tea, and you'll learn how to make other fun treats!

History of Lake Massabesic

Friday, Feb 8, 7–8:30 pm

Join forester John O'Neil from Manchester Water Works as he takes us back in time to the fascinating history of Lake Massabesic, which comes from the Native American word meaning "the place of much water". Many stories abound beginning with the death by lightning of Chief Passaconaway while riding in his canoe near Loon Island. Many years later the lake used to host steamboats ferrying guests to this popular destination resort. Manchester Coal operated an ice operation where Massabesic ice was in great demand as far as India because of its cleanliness! This special place has been used for centuries as a place of recreation, reflection, and sustenance. Learn how and why this body of water is such a special place.

FAMILY PROGRAMS

Bird Banding Demonstrations

Saturdays, December 1, January 5, 10-12

Cost: FREE

Leader: Jay Barry, Volunteer Educator and licensed bird bander for 40 years

Join Jay as he shows us the fascinating banding process from capture to release. Using mist nets to catch birds, we will ID, band, and record our findings for the national database. Learn how to identify species, sex, and age with a variety of live subjects!

Mysteries of the Forest: Tracking NH's Animals

Saturday, January 12, 1-2:30 pm

Saturday, February, 23, 10-11:30 am

Cost: Families \$10 M/\$15 NM

The art of tracking is like learning to solve a mystery. Who left these prints? What were they doing? Where were they going? Join us as we learn the basics of tracking some of NH's common winter animals. We'll strap on some snowshoes and put our new knowledge to the test with a walk around the woods to see what tracks we can find.

Snowshoe Frisbee Golf

Saturday, January 26

Saturday, February 9, Fundraiser Tournament!

Tee Times at 10am, noon, and 2pm

Cost: \$5/person on Jan. 26, \$15/person on Feb. 9

Come play Frisbee Golf on snowshoes in our beautiful winter fields. Learn about our native plant and animal life as an Audubon naturalist leads you around the course. Hone your skills on Jan. 26; join us for a fundraiser tournament (with prizes!) on Feb 9. Call to

register for a tee time. Bring your friends! See our website for more information and game rules. 12 years and older, please.



PRESCHOOL PROGRAMS

Wee Wonders

Tuesdays, 12:30-2 pm

Wednesdays, 10-11:30 am

Cost: \$9 M / \$12 NM (per child/parent pair)

Leader: Kim Murphy, Naturalist

Join us for our winter series. Discover the changing seasons through hands-on activities, songs, crafts, stories, and outdoor discovery. Please dress to be outside and wear appropriate footwear. Children must be accompanied by an adult. Classes are for ages 4-6. Pre-Registration is required.

January 15/16: Weathering Winter

Come and learn the science of weather, especially during a New England winter!

January 22/23: Trees in Winter-Dead or Alive?

Take a close-up look at trees in winter, how they survive, and how they already show signs of spring!

January 29/30: Icy Insects

Find out what insects do in the winter, and look for some that are still active!

February 5/6: Whitetails in Winter

Look at the adaptations that help Whitetail Deer survive our long, cold winters.

February 12/13: Footprints in the Snow

Learn to read the tracks left in the snow and find out who's out and about!

26 Audubon Way, Auburn, NH 03032

603-668-2045

Massabesic Audubon Center

HOMESCHOOL PROGRAMS

Junior Explorers

Tuesdays, 12:30-2pm

Wednesdays, 10-11:30am

Cost: \$9 M / \$12 NM (per adult/child pair)

Leaders: Angie Krysiak and Jay Barry

Join us for our winter series. We'll explore the natural world with live animals, nature walks, and hands-on activities that follow a different natural theme each day. Be prepared to be outside! Classes are for ages 7-12. Pre-registration is required, parents may stay and participate.

January 15/16: Weathering Winter

Come and learn the science of weather, especially during a New England winter!

January 29/30: Icy Insects

Find out what insects do in the winter, and look for some that are still active!

February 12/13: Footprints in the Snow

Learn to read the tracks left in the snow and find out who's out and about!

26 Audubon Way, Auburn
603-668-2045

Newfound Audubon Center

ABOUT NEWFOUND AUDUBON CENTER

Located on the beautiful northern shore of Newfound Lake, the Newfound Audubon Center is comprised of three wildlife sanctuaries: Paradise Point Nature Center, Ash Cottage at Hebron Marsh Sanctuary and Bear Mountain Sanctuary. The trails at all three sanctuaries are open year-round to bird watchers and hikers, Nordic skiers and snowshoers, and all-around nature lovers. Paradise Point and Hebron Marsh extend to the water's edge, allowing visitors to experience more of Newfound Lake's habitat, while Bear Mountain's hillside habitat exemplifies the beauty of New Hampshire's woodlands. With sanctuary trails open all year long and exciting summertime program offerings, there is always something to do.

North Shore Road
Hebron, NH 03222
603-744-3516

FEBRUARY FUN VACATION CAMP

McLane and Massabesic Centers

February 25–March 1, 2013

For children ages 6-12

Monday–Friday, 9 am–4 pm

February Fun Vacation Camp is a special opportunity for children to learn more about nature in winter.

Themes will be explored through outdoor excursions (by foot or on snowshoes), games, crafts, stories, live animals, songs, and conservation projects to help participants discover the wonders of the season.

Camp Fee: \$40 M/\$50 NM per child per day

Monday: Feathered Friends

Tuesday: Slime and Scales

Wednesday: Winter Wonderland

Thursday: Mammal Mayhem

Friday: Creepy Crawlies

More details and registration at
www.nhaidubon.org or call 224-9909 x 333.



The Loon Center

ABOUT THE LOON CENTER

The Loon Center is open Monday through Saturday from 9am–5pm. Enjoy the educational displays and award-winning videos, as well as the trails on the Markus Wildlife Sanctuary, which are open from dawn until dusk daily for walking, snowshoeing, or cross-country skiing. Then stop into the Loon's Feather Gift Shop for unique holiday and birthday gifts!

The Loon Center is a self-directed and self-funded constituent organization of NH Audubon located on the 200-acre Markus Wildlife Sanctuary. The Loon Preservation Committee exists to restore and maintain a healthy population of loons throughout New Hampshire; to monitor the health and productivity of loon populations as sentinels of environmental quality; and to promote a greater understanding of loons and the natural world. All gift shop proceeds benefit Common Loon research and preservation in New Hampshire.

Lees Mills Road
Moultonborough, NH 03254
603-476-5666

Chapter Happenings

AMMONOOSUC

Ammonoosuc Chapter Evening Programs are held at the Rocks Estate on Christmas Tree Lane in Bethlehem starting at 7pm. For more information contact Chapter President David Govatski at David.Govatski@gmail.com

Sunday, December 23: Littleton Christmas Bird Count

Contact Mary Boulanger at 444-6993 for details.

Wednesday, January 16: "New Hampshire's Wild History: 350 Years of NH Wildlife"

This presentation takes participants on a virtual journey through New Hampshire's past, focusing on changes in the land and how wildlife populations have responded over time. You'll learn why changes in habitat in our past are behind the decline of many of our rare species today, and what you can do to help.

Wednesday, February 20: "Mother Nature's Child"

This program explores nature's powerful role in children's health and development through the experience of toddlers, children in middle childhood and adolescents. The program notes the effects of "nature deficit disorder" that are being noted across the country in epidemics of child obesity, attention disorders and depression. The program is designed for parents, grandparents, teachers and anyone interested in getting children connected to nature. Frumie Selchen is our speaker.

CAPITAL AREA

Field Trip: Christmas Bird Count

Date: December 16

Join Bob Quinn and many other birding enthusiasts as we count birds around the Concord area in the annual Christmas Bird Count. To sign up or for more information, contact Bob at RAQbirds@aol.com or at 746-2535.

Field Trip: Birding Cape Cod (overnight trip**)**

Saturday, January 19-Monday, January 21

Join Pam Hunt for a Holiday weekend exploration of Cape Cod. Trip departs Concord on Saturday morning. Base will be a hotel in the Chatham area. Sunday we'll focus on the outer Cape up to Provincetown, and work our way back toward NH the 21st. Advance notice required by January 5. Estimated cost is \$150-200/night double occupancy. Target birds for this trip include a large diversity of seabirds (e.g., loons, ducks, gulls, alcids), lingering songbirds, and a good chance for rarities (both Painted and Lazuli Buntings here in January 2012!). Contact: Pam Hunt at 753-9137 or phunt@nhaudubon.org.

Field Trip: Bald Eagles on the Merrimack

Sunday, January 27, 8:30 am

Meet Rob Woodward at the McLane Audubon Center for this popular annual morning jaunt looking for Eagles along the Merrimack River between Concord and Manchester and wintering Peregrine Falcons in downtown Manchester. Contact: Rob Woodward at 224-0889 (evenings)

Program: A Passage Northwest: Birding Alaska by Planes, Trains, and Automobiles (and Boats)

Wednesday, February 6, 7:00 pm

Pam Hunt spent two weeks in August 2012 covering more of Alaska than many native-born Alaskans see in their lives. From Pacific rainforest to Mt. McKinley to remote areas on the Bering Sea, Pam logged a lot of miles and saw a lot of birds (plus mammals and scenery), and will share her experiences in this slide show.

LAKES REGION

Programs take place at The Loon Center on Lees Mill Rd., Moultonborough. (*Handicapped accessible.*) Contact: The Loon Center at 476-5666

Program: The Dramatic Erratics: A Glacial History of New Hampshire

Thursday, January 17, 7:30 pm

Some of the most dramatic glacial scenery in the country can be seen in New Hampshire. In this entertaining program Bob will share such iconic images as the classic U-shaped valley of Crawford Notch plus spectacular boulders. After a short overview of the Ice Ages, with aerial photos of existing ice fields, Bob will delve into glacial evidence readily seen in NH, such as boulders, waterfalls, striations, plucking (cliffs and talus slopes), and bogs, and why we have special landscapes like the Pitch Pine barrens. From the Karner Blues butterfly to Moose, from Whip-poor-wills to Eastern Towhees, the legacy of the last ice age lives on.

Program: To Be Announced

Thursday, February 21, 7:30 pm

MASCOMA

Visit www.mascomabirds.org for listings.

MONADNOCK

Event: Keene Christmas Bird Count (now free!)

Sunday, December 16

Join volunteers for a fun day of counting birds on the 34th consecutive Keene Christmas Bird Count (CBC), which was one of the original CBCs in the country in 1900. This event is open to both beginning and advanced birders, who are often paired in teams. Teams are assigned to territories and are tasked with counting all individual birds. At day's end, we gather for a potluck dinner at a participant's house and tally up the results! Past years' counts have totaled up to 62 species of birds - including some nice surprises. Contact: Phil Brown at pbrown@nhaudubon.org or at 224-9909x334 for territory assignments.

NASHAWAY

Wednesday, December 19: An evening with David Lipsy Nashua Public Library, 7pm

As Mr. Lipsy writes on his website: "My true passion is photographing birds of prey, known as Diurnal Raptors, however I photograph all types of birds from land and sea. I also photograph all types of wildlife, and scenes of the natural world wherever my explorations take me." All programs are open to the public. See <http://davidlipsy.zenfolio.com/>

NASHAWAY, continued

January 16: Lake Umbagog in Northern NH Nashua Public Library, 7pm

This is a new and exciting program put together by Bob Quinn of Merlin Wildlife tours. In far northeastern NH, lies one of the wildest, most bird-filled areas in northern New England, Lake Umbagog. Its bird life has been studied for over 150 years and the fascinating changes will be the focus of this program. Punctuated throughout the show will be updates on the National Wildlife Refuge and its efforts to protect this dazzling northern lake. This program is perfect for the wildlife enthusiast as well as those wanting to explore a beautiful and little known corner of New Hampshire. All programs are open to the public.

Annual Chapter Christmas Bird Count Saturday, December 29

Join us for this traditional event. Count local birds by day, tally up your sightings in the evening (5pm) over dinner at the Lawrence Barn (28 Depot Rd.) in Hollis. Each group is assigned their own count area. Small fee is collected for evening tally/dinner. Contact Richard Bielawski at 429-2537 or rbielawski@mac.com.

SEACOAST

Full descriptions available at www.seacoastchapter.org.

Program: A Natural and Unnatural History of the Caribbean Flamingo in Florida: Whither the Twitch? Wednesday, December 12, 7:30 pm

Conservation biologist and naturalist C.K. Borg will heat up your winter with this lively subtropical discussion with special emphasis on his studies addressing the seasonal occurrence of flamingoes at Snake Bight, Everglades National Park. Seacoast Science Center (wheelchair accessible), Odiorne Point State Park, 570 Ocean Boulevard, Rye NH. Refreshments at 7 pm. Contact: Dan Hubbard, 603-332-4093, danielhubbard@peoplepc.com or see our web site.

Program: 3 Weeks, 13 Camera Lenses, 23 States, 33¢ Pastries and 10,000 Miles of Birding Wednesday, January 9, 7:30 pm

In three weeks over two winters, Seacoast Chapter members Jason Lambert, Ben Griffith, and Lauren Kras traveled over 10,000 miles by car from New Hampshire to Texas and Florida to look for birds (mostly). Besides escaping the snow and cold, they tallied around 200 life birds between the three of them. They will share some of their photos and stories while emphasizing each region's specialty birds. Seacoast Science Center. Refreshments at 7 pm. Contact: Dan Hubbard, 603-332-4093, danielhubbard@peoplepc.com or see our web site.

Program: The Rusty Blackbird, Elusive Denizen of Northern Wetlands

Wednesday, February 13, 7:30 pm

The Rusty Blackbird nests near wetlands in coniferous forests across northern North America and winters primarily in the US southeastern coastal plain and Mississippi Valley. Historical accounts suggest that populations have been declining since at least the 1920s and available data indicates more recent declines of more than 80% since the 1960s. Carol Foss, Director of Conservation at NH Audubon will take you deep into northern swamps revealing their basic ecology, share recent research and new discoveries, and hint at plans for further investigations. Seacoast Science Center. Refreshments at 7 pm. Contact: Dan Hubbard, 603-332-4093, danielhubbard@peoplepc.com or see our web site.

Field Trip: New Hampshire Coastal Saturday, January 12, 8 am

Join leader David Blezard as we look for scoters, mergansers, loons, grebes, and anything else that might be hidden in the nooks and crannies of New Hampshire's coast. Meet at the Seabrook Harbor parking lot on Route 1A, just south of the Yankee Fisherman's Coop. Contact: Dave Blezard at dblezard@gmail.com, 603-343-1223 or see our web site.

Field Trip: North Country Winter Finch Saturday, February 16, 8 am in Gorham, 5:30 am in Rochester

Head north with leader Kathy Dube to look for winter finches. Past trips have turned up such northern specialties as Red and White-winged Crossbills, Pine and Evening Grosbeaks, Gray Jay, Boreal Chickadee. For those who wish to carpool, meet at Hannaford Supermarket in the Lilac Mall on Route 125 in Rochester at 5:30am. All parties will meet at the McDonald's in Gorham, 214 Main Street, at 8am. Contact: Ben Griffith at bgriffith@gmail.com, 603-801-1856 or see our web site.

OTHER OPPORTUNITIES

Sanctuary Field Trip: Goodhue Hill Post- Harvest Tour

Saturday, December 1, 9 am–1 pm

Join NH Audubon's Director of Land Management, Phil Brown, on a moderate hike of Goodhue Hill at Willard Pond Wildlife Sanctuary. This site is being managed for timber production and wildlife habitat, which includes a 16-acre clearcut near the summit of Goodhue Hill. Impressive views have been reclaimed by this operation, which targeted the creation of early successional habitat for wildlife like moose, bobcat, snowshoe hare, and various birds. Bring a lunch and drink, and be prepared for conditions (2-3 miles of walking with moderate elevation gain). *Co-sponsored by the Harris Center.* Contact: Phil at pbrown@nhaudubon.org or at 224-9909x334 to RSVP.

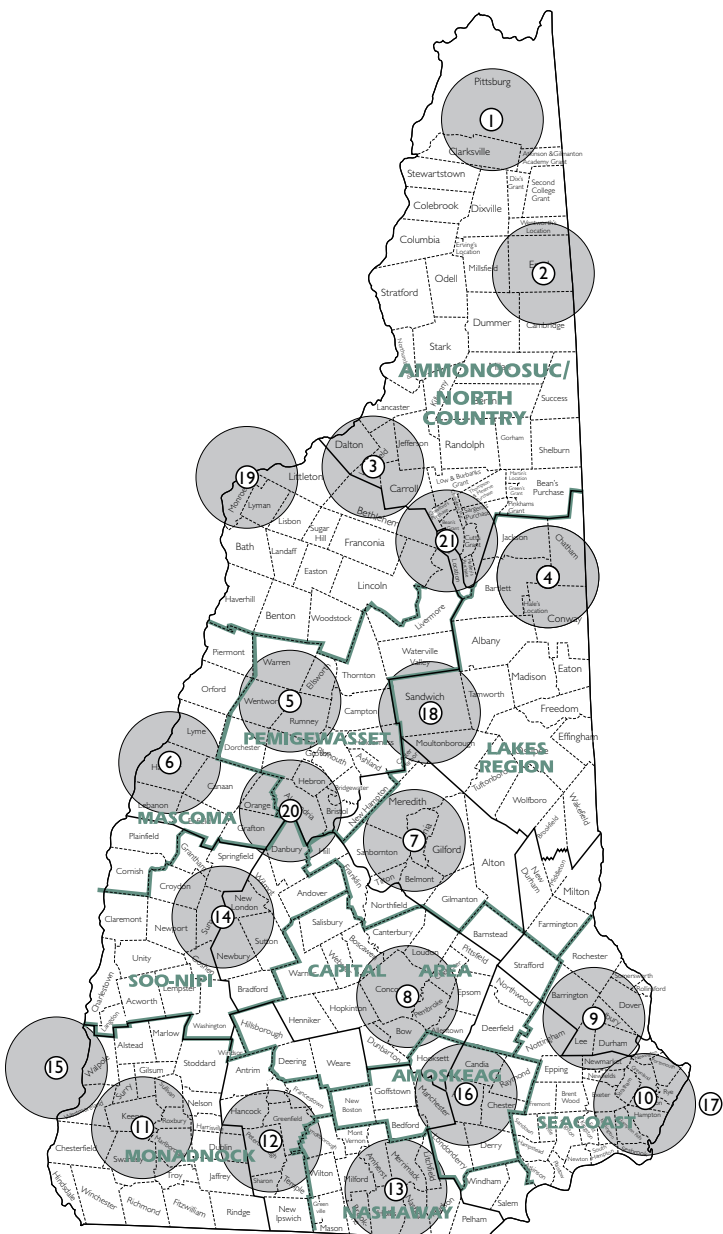
Speaking for Wildlife Training: Learn to Give a Talk AND/OR Learn to Lead a Walk McLane Center, Concord, December 8

This fun, interactive half OR full day workshop is open to all natural resource volunteers (including NH Audubon 'Sanctuary Stewards' and Chapter Representatives, Coverts Cooperators, Conservation Commissioners, and other community volunteers). Check out details on page 5!

Christmas Bird Count Preview 2012

It's time for the annual Christmas Bird Count! There are 21 counts in New Hampshire, and they are open to all interested birders. Many are run by New Hampshire Audubon Chapters. Check the list below for a count near you and contact the person listed if you'd like to help. Each count takes place in a designated "count circle" on a specific day. The coordinator assigns teams to count birds in each section of the circle, but if you live in the circle you can simply count the birds in your backyard. Each count's survey area stays the same from year to year, comprising a circle fifteen miles in diameter around a central point. International in scope, the Christmas Bird Count is organized and compiled by the National Audubon Society, who coordinates all count circles so they don't overlap. Each count picks its own particular survey day between December 14 and January 5. So join in a 100-year-old tradition and have some winter fun!

- 1. Pittsburg – December 18**
Contact: Chris Martin (224-9909 x317 or cmartin@nhaudubon.org).
- 2. Errol-Umbagog – December 19**
Contact: Chris Martin (224-9909 x317 or cmartin@nhaudubon.org).
- 3. Littleton – December 23**
Contact: Mary Boulanger (444-6993 or mboul@roadrunner.com).
- 4. North Conway – December 28**
Contact: Nora Dufilho, Tin Mtn. Conservation Ctr. (447-6991 or nbeem@tinmountain.org).
- 5. Baker Valley – December 18**
Contact: Stephen Rounds (764-9011 or ullungdo96@yahoo.com) or Nory Parr (786-9896 or northparr@gmail.com).
- 6. Hanover-Norwich – January 1**
Contact: Dan Crook (448-2544) or Walter Ellison (rossgull@baybroadband.net).
- 7. Laconia-New Hampton – December 29**
Contact: Pam Hunt (753-9137 or biodiva@myfairpoint.net).
- 8. Concord – December 16**
Contact: Robert Quinn (RAQbirds@aol.com [preferred] or 746-2535).
- 9. Lee-Durham – December 22**
Contact: Kurt Dorsey (397-5844 or kd@unh.edu).
- 10. Coastal – December 15**
Contact: Len Medlock (706-5539 or lenmedlock@comcast.net).
- 11. Keene – December 16**
Contact: Phil Brown (pbrown@nhaudubon.org or 224-9909 x334).
- 12. Peterborough-Hancock – December 15**
Contact: Dave Rowell (924-8790 or daverowell@myfairpoint.net).
- 13. Nashua-Hollis – December 29**
Contact: Richard Bielawski (429-2537 or rbielawski@mac.com).
- 14. Lake Sunapee – December 15**
Contact: Gary Stansfield (inuk@sugar-river.net [preferred] or 863-8737).
- 15. Saxtons River (Vt.-N.H.) – December 15**
Contact: Donald Clark (802-843-2347 or sapsbks@sover.net).
- 16. Manchester – December 15**
Contact: Richard Bielawski (429-2537 or rbielawski@mac.com).
- 17. Isles of Shoals – tentatively December 16**
Contact: Ben Griffith – (801-1856 or bgriffith@gmail.com).
- 18. Sandwich – December 30**
Contact: Tony Vazzano (284-7718 or tvazzano@ncia.net).
- 19. Barnet (Vt.-N.H.) – January 1**
Contact: Charlie Browne (802-748-2372, ext. 104 or cbrowne@fairbanksmuseum.org).
- 20. Grafton-Bristol – compiler needed**
Contact: Phred Benham if you are interested in becoming compiler (443-2744, or phbenham@gmail.com).
- 21. Crawford Notch – December 15**
Contact: Craig Repasz (203-230-1697 or crepsz@hotmail.com).



2013 Backyard Winter Bird Survey: February 9 & 10

Survey Instructions

Backyard Winter Bird Survey participants report any bird species that visit their yards and/or feeders in New Hampshire on the second weekend in February. The survey was expanded in 1987 to gather information on the distribution and abundance of many winter species in New Hampshire. Please take this opportunity to enjoy a closer look at the feathered neighbors in your yard during the survey period.

When to watch

February 9 and 10 only. Watch and count the birds in your yard at any time during the weekend.

How long to watch

Watch for as little or as long as you wish during the survey weekend. Be sure to record the total number of hours you observed as closely as possible. For example, if you were home all day but only watched for five minutes every hour, your time will be 45 minutes.

How to count

Record only the maximum number of each species seen at one time. Do not add to your total each time you see a bird at the feeder. For example, if at 10am you see six blue jays, at 2pm you see seven, and at 5pm you see four, your survey total for blue jays is seven. If you did not see any birds, mark the survey form accordingly.

Additional species

Use the blank lines to record any additional species observed, with descriptions or photographs of unusual birds.

Birds you can't identify

If you don't know the names of all the birds visiting your yard, you can still participate, but please record only the species you can identify.

Confusing species

Please be sure you can distinguish between similar species, such as Purple and House Finches, Chipping and American Tree Sparrows, and Sharp-Shinned and Cooper's Hawks. A current field guide can help. Remember that the House Finch is more common than the Purple Finch and Chipping Sparrows will be in their winter plumage.

Unusual species

If you observe an unusual species, please include a detailed description of the bird's appearance and behavior. Photographs are always helpful and may be e-mailed to bwbs@nhaudubon.org; be sure to include your name and address in your e-mail and note on your survey form that you've e-mailed a photo. Without this documentation, unusual reports may not be included in the final tally.

Survey results

All participants receive a copy of the results with next year's forms when they are mailed in January.

Other notes

- Remember to fill out the entire form.
- Your mailing address and zip code are necessary to ensure that you remain on the survey mailing list.
- If you cannot participate but would like to remain on the mailing list, you must still return the survey. Please fill in your name and address and return to NH Audubon.

For past results and more about the Survey, go to:

<http://nhbirdrecords.org/bird-conservation/backyard-winter-survey.htm>

You can now enter your survey results at
www.nhaudubon.org/birding!

Backyard Winter Bird Survey Form 2013

Name _____
 Address _____
 City _____ State _____ Zip _____
 NH Audubon Member? Yes No
 _____ Enclosed is my donation to NH Audubon to support the Backyard Winter Bird Survey.
 SURVEY LOCATION: _____
 Street _____ Town _____
 Date(s) observed _____ Total hours watched _____
 Comments: (e.g., weather, etc.) _____

Species	Max. #	Species	Max. #
Rock Pigeon (pigeon)	_____	Dark-eyed Junco	_____
Mourning Dove	_____	Northern Cardinal	_____
Downy Woodpecker	_____	Purple Finch	_____
Hairy Woodpecker	_____	House Finch	_____
Blue Jay	_____	Pine Siskin	_____
American Crow	_____	American Goldfinch	_____
Black-capped Chickadee	_____	Evening Grosbeak	_____
Tufted Titmouse	_____	House Sparrow	_____
Red-breasted Nuthatch	_____	_____	_____
White-breasted Nuthatch	_____	_____	_____
Brown Creeper	_____	Red Squirrel	_____
American Robin	_____	Gray Squirrel	_____
Northern Mockingbird	_____	_____	_____
European Starling	_____	_____	_____
Cedar Waxwing	_____	_____	_____
American Tree Sparrow	_____	_____	_____
White-throated Sparrow	_____	_____	_____

Please send this form

to:

Backyard Winter Bird Survey
 NH Audubon
 84 Silk Farm Road
 Concord, NH 03301



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If you would like to become a Corporate Partner of NH Audubon, please contact us at (603) 224-9909, ext. 307.

Thank You

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The Davis Conservation Foundation for Post-breeding Behavior and Habitat Use of Rusty Blackbirds

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TransCanada Corporation for the Connecticut River Bald Eagle Restoration and Habitat Protection Project

Umbagog National Wildlife Refuge Conservation Fund for Rusty Blackbird Habitat Use and Productivity on Umbagog NWR