The Orchid

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Know • Appreciate • Conserve Nature in All Its Forms



Osprey returning from a successful fishing expedition. Photo taken near Serpent Mounds Park on April 8 by Enid Mallory.

Inside: PFN Wildlife Outing Trip Reports

Butterfly Survey Results from Dance Nature Sanctuary A PFN Member Shares His Experience with Ticks Development of the Trent University Endowment Lands

Loads of Pictures!

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Welcome new PFN members!

Kelly Andreoli and Juniors Kassandra Andreoli, Marissa Andreoli, and Gabriella Andreoli Sheila & Daryl Bourgeois and Juniors Charlie Bourgeois and George Bourgeois Natasha Leahy and Junior Leah Ragaz Stephanie & Kevin Collins and Juniors Patrick Collins and William Collins Junior Rein Pohlak Junior Xavier Gamble Lauren & Clay Dales and Juniors Kayla Dales and Scarlett Dales Melanie Lusted and Juniors Shane Nisbet and Keira Nisbet Carolyn Donaldson and Junior William Donaldson Randall Skelton and Juniors Lee Skelton and Bailey Skelton H.I. Sheridan Carol Alexander **Emily Johnston** Randy Beacler Trista Matthews and Juniors Hayden Matthews and Sarah Matthews

Mike Woodside & Brad Brooks



Left: Vesper Sparrow on Kellogg Road, Port Hope. Right: Virginia Rail at Sawer Creek Wetland Wildlife Area. Photos taken by Dave Milsom during Ontario Field Ornithologists outing on April 23.

PFN Coming Events Sundays **Sunday Morning Wildlife Outings** April 2 to May 28 Our regular spring wildlife walks will commence on Sunday April 2 and continue until May 28th. Unless otherwise advertised, walks will start at 8 AM and we will carpool 8 AM from the parking lot of the Peterborough Zoo on Water Street. Outings generally last North Parking Lot, about three hours. Bring some change to donate towards gas costs and bring binoculars if possible. In most cases, the leaders will confirm the destination on the Riverview Park & Zoo day. Accessibility: Easy to Moderate. Water Street, May 7: Lynn Smith – see details below Peterborough May 14: tbc May 21: Paul Frost – see details below May 28: Don McLeod – see details below Sunday, May 7 A Walk on the Oak Ridges Moraine Led by Lynn Smith, this outing will include car stops as well as a couple of strolls along 8 AM back roads and through some hilly countryside. Bring binoculars, scope, snacks, water Meet at Cavan GO Transit and perhaps be prepared for some mosquitoes and/or blackflies. 8-11 am. Carpool lot/bus stop Meet at the Cavan Carpark/GO Bus Stop: From Peterborough take Hwy 115 south and exit at County Rd 10/Millbrook Cavan (Exit #38). Come to a stop sign. Go straight and the carpool lot is on your left, on Syer Line. Accessibility: a combination of easy to challenging. One of the hikes will include some hilly terrain (challenging). Otherwise, car stops and relatively level walking (easy). **Monthly Meeting: Jackson Creek Old-Growth Forest** Wednesday, May 10 7:30 PM This month's guest speaker is Mike Henry, the lead researcher and forest ecologist behind the recent study "Jackson Creek Old-Growth Forest" by Ancient Forest Camp Kawartha Exploration and Research. (http://www.ancientforest.org/publications/) **Environment Centre** Mike will help us rediscover Jackson Creek as our very own 4.5 hectare urban oldgrowth forest, with trees reaching 250 years old, pre-dating the original settlement of the Town of Scott's Plains, which is now Peterborough. Sunday, May 21 **Exploring Loggerhead Marsh, Provincially Significant Wetland** 8 AM Join Trent University's professor of aquatic sciences, Paul Frost, who, together with the PFN has been advocating to get Loggerhead Marsh protected from the impact of Meet at 1419 Ireland encroaching urban development. Drive Loggerhead Marsh is now recognized as a provincially significant wetland. It contains a large area of cattail marsh, patches of forested wetland, and expanses of wet meadows. Its outflow stream flows through several forested areas and downstream into Jackson Creek. Bring your binoculars! Accessibility: mostly easy, but there may be some small slopes of moderate difficulty. Some areas may be damp, so good boots are recommended. Meet near Paul Frost's house at 1419 Ireland Drive, Peterborough. There is plenty of street parking available on Ireland Drive.

	PFN Coming Events
Sunday, May 28	Fleetwood Creek Natural Area
8 AM Meet at public parking lot on Crawford Drive	Don McLeod will lead a walk along the road allowance at Fleetwood Creek Natural Area and circling back through the McKim/Garsonnin property. Don's specialty is tracking and there are sandy areas along the road allowance that are good spots for tracks. We should also see a good variety of birds including warblers.
	Meet at the public parking lot on Crawford Drive, at the end of Harper Road and just off the Parkway and Sir Sanford Fleming Drive.
	Accessibility: Moderate, there is some uphill walking.
Sunday, June 4	Carden Plain Important Bird Area
7 AM Meet at Tim Horton's on Lansdowne St. W.	An all-day visit to the wonderful Carden Plain, an unusual alvar habitat that is home to an abundance of rare grassland bird species, butterflies and plants. Jerry Ball will be our guide to this globally rare habitat 65km west of Peterborough. Loggerhead Shrike, Golden-winged Warbler, Osprey, Black Terns, Sedge Wren, Yellow Rail, Upland Sandpiper, Eastern Bluebird, Eastern Towhee and Brown Thrashers are all possibilities.
	Bring some lunch, water, camera and binoculars.
	Meet at Tim Horton's at the Sobey's Plaza on Lansdowne Street West.
Wednesday, June 14	Monthly Meeting: Ontario's Bats: Biology, Ecology and Conservations Issues
7:30 PM Camp Kawartha	Guest speaker: Lesley Hale, Divisional Integration Coordinator, Ministry of Natural Resources
Environment Centre	Ontario's eight species of bats play a critical role in the province's ecosystems as nocturnal insectivores. They are considered one of our most valuable species groups for agricultural pest control. The recent spread of white-nose syndrome has caused concern for the future of many bat species in Ontario, making bat monitoring and conservation more important than ever.
Saturday, June 17	Planet of the Beetles
9 AM to noon Camp Kawartha Environment Centre	Beetles are the most diverse group of multi-cellular organisms. Come and learn how to tell a beetle from other insects and how to identify many of the most common families. After an introduction to this amazingly successful group of animals, we will use sweep nets, pond nets and other techniques to check out the local beetle fauna. This session will be led by Paul Elliott. Accessibility: easy to moderate

PFN Coming Events

Sunday June 25th

Celebrate Canada's 150th on the Stoney Lake Trails

This is advance notice of a full day of activities on the Stoney Lakes Trails which run through the Kawartha Land Trust properties on the north shore of Stoney Lake. These trails were developed by Ralph Ingleton. They extend onto other lands including the Viamede Resort Property. On this day, a number of events are being planned ranging from early morning birding, floral investigations, general nature ramble, and an afternoon butterfly session led by a variety of leaders from the Peterborough Field Naturalists. The day's events will end with a social hour commencing at 4 p.m. at the Boathouse Restaurant of Viamede Resort. Full details in the next issue of "The Orchid".

Reserve this date to celebrate Canada's 150th.





9@0#PTBO150

	PFN Junior Field Naturalists (ages 5-12)
Sunday, May 28	Archery and initiative games. Join us for a morning of archery and active outdoor games, led by staff at Camp Kawartha. Registration is required (on the PFN website). Bring your lunch and stick around for their summer camp open house in the afternoon (details on the camp's website). Parking is limited, so please carpool if you can.
Sunday, June 11	Aquatic invertebrates sampling. Put on your grubby clothes and rain boots and join us for a close look at larval dragonflies, mayflies, aquatic beetles, and zooplankton. We will muck around in the pond to collect these aquatic invertebrates and Jay Fitzsimmons and Sherri DeGasparro will help us to identify what we find and teach us cool facts about their life cycles. Nets and magnifiers will be provided. Please register on the PFN website so we have a sense of numbers.

Juniors' April Trip Report: Turtle Tour

Submitted by Lara Griffin

We had a great time on our tour of the Ontario Turtle Conservation Centre. The OTCC's educational program offers the perfect balance of time to watch the ambassador turtles and hatchlings, guided hands-on activities to learn about the functions of wetlands and how habitat loss and fragmentation affects turtles, cool facts about Ontario's turtle species, and a look at the critical care work done in the operating room. Many thanks to the OTCC's knowledgeable and friendly staff and volunteers for this great learning opportunity! If you missed the tour, like them on Facebook to learn about their upcoming events.

	Other Events of Interest						
Saturday, May 6	Kawartha Lakes Stewards Association Annual Spring Meeting						
Bobcaygeon Community Centre	Please join us in a morning of scientific inquiry, presentations, and conversation regarding the health of our important Kawartha Lakes. Hear about KLSA activities, including an update on the paleolimnology study and 2017 lake monitoring program. Let's dive deep in to the past to learn how to conserve our lakes for the future. For more information, visit https://klsa.wordpress.com/.						
Tuesday, May 9	The Urban Future of Earth: The More We Change, the More It's All the Same,						
7:30 PM	This is a free public lecture delivered by Dr. Peter Groffman of the Cary Institute of						
Great Hall #4,	Ecosystem Studies. The urban environment is increasing all across North America. An apparent result of urban land use change is the homogenization across cities, where						
Champlain College,	neighbourhoods regardless of geographical location have similar patterns of roads,						
Trent University's	residential lots, and commercial areas. This homogenization also alters ecological dynamics with implications for hydrological cycles, biodiversity, and nutrient cycling						
West Bank	across scales from the yard up to the whole continent. This talk will consider how homogenization due to the "human element" in urban ecology affects nutrient c and ecosystem health in these increasingly widespread and highly recognizable environments.						
Saturday, May 13	North American Native Plant Society Native Plant Sale						
12-3 PM	Wildflowers, shrubs, trees, vines & grasses from approved growers. Hundreds of						
Markham Civic Centre	books for sale. Please visit www.nanps.org for details and plant list. Free admission & parking.						
First Friday of each	Peterborough Astronomical Association Monthly Meeting						
month	May 5: Amateur Astronomy - A Status Report by Randy Attwood						
7:00 PM	May 27: Astronomy Day - Public Viewing and Activities – Details, times TBA- Static						
Guest Services Building, Riverview Park & Zoo	Displays and Solar Viewing at the Riverview Park and Zoo. Dusk to 11 PM - Observing at the top of Armour Hill.						
Fourth Wednesday of	Peterborough Horticultural Society Monthly Meeting						
each month	Join us at 6:30 PM for socializing. The meeting begins at 7 PM. Annual membership						
7:00 PM Lion's Centre	rates are \$20 individual, \$25 family, and \$2 guest. All are welcome - and you don't have to be an experienced gardener! For more info visit www.peterboroughhort.com.						
347 Burnham Street	May 24 - Sean James of Fern Ridge Gardens: "Garden Trends for 2017"						

PFN Volunteer Corner

Rallying for Refreshments

To continue enjoying refreshments at our Club meetings we need 1 or 2 people to volunteer a little time to bring supplies. You are guaranteed a smile of appreciation from all Club members. If interested please contact Lynn Smith (smithfam@nexicom.net or 705-944-5599).

President's Message - Money Talks

I promise to talk about money only once a year.

Over the past two years, The Peterborough Field Naturalists received a generous bequest from the late Rhea Bringeman, a long-time member of the Club. These funds have been invested with the Community Foundation of Greater Peterborough and already have generated a stream of income for the Club. This change in our financial circumstances has required a revision of our accounting statements and reports, which has been ably carried out by Treasurer Dave Heuft.

The Board has now approved a Budget for the 2017 fiscal year. Because of the increased legacy income, the Club has been able to fund several initiatives. These include the Harper Park fish study, the purchase of new Club banners, a plan to refurbish the Ecology Park bird feeders, and more financial support for the Junior Field Naturalists.

Finally, I am pleased to report that the Club is in an excellent financial positon, with good cash reserves.

Ted Vale, President

Planting for Pollinators – Avoid Neonicotinoids

Submitted by Martin Parker; Adapted from NABA Chat Line

With the arrival of the summer planting season, one should be mindful to plant flowers which appeal to pollinators: bees, hoverflies, butterflies and moths. The following information was posted on the North American Butterfly Association Chat site by the NABA Administrator, Mike Cerbone.

'Springtime is here, and that means trips to your local nursery! Something to keep in mind this season, however, is the presence of neonicotinoids in the plants you may be purchasing. These substances are toxic to pollinators like butterflies and bees, and should absolutely be avoided! Although I have started to see some recent improvement in the self-reporting of pesticides containing neonicotinoids at some commercial nurseries and similar stores, keep in mind that many vendors still do not identify if their plants contain neonicotinoids. In some cases, they may not be informed themselves (as they are obtaining their plants from a source that also does not self-report this). Contact your vendor to find out if their plants are treated with neonicotinoids, and inquire about where they source their plants from. You should urge vendors to stop carrying plants treated with these kinds of chemicals that can harm wildlife!'

When buying plants, ask the seller if the plants have been treated with neonicotinoids. If they have been or the seller does not know, consider buying the plants from a supplier who does not use neonicotinoids.



Red Breasted Nuthatch being hand-fed at Algonquin Park during PFN outing on April 1. Photo by Greg Piasetzki.

Seasonal Occurrence of Butterflies at the KLT Dance Nature Sanctuary

Submitted by Martin Parker

The Kawartha Land Trust (KLT) Dance Nature Sanctuary is a 100-acre property at corner of the 12th Line of Smith (of former Smith Township) and Preston Road in the municipality of Selwyn. The property includes a portion of the provincially significant Moore Lake Wetland Focus Area and the Lakefield Crevasse Fillings, an Earth Science Area of Natural and Scientific Interest.

The Kawartha Land Trust is in need of detailed information on the flora and fauna of its properties - information which can be collected and compiled by field naturalists. From April 10 to October 2016, volunteers from the Peterborough Field Naturalists, coordinated by the author, completed a walking survey of the butterflies of the Dance Nature Sanctuary.

The protocol for completing the survey was to walk a pre-determined route through the property, recording all individual and species of butterflies observed. The route walked covered the overgrown meadow areas in the western half of the property and around the dug pond adjacent to the natural wetland. The route was walked by one or more volunteers 24 times between April 15 and October 12. The results of these surveys are summarized in the following tables.

Besides recording the occurrence of butterflies, the observers were also requested to record observations of birds, mammals, reptiles and amphibians. On a couple of visits, the species of dragonflies and damselflies were recorded. All the observations of birds were submitted to eBird, and butterfly observations were submitted to eButterfly. Dragonfly and damselfly species were recorded on several trips. A summary of the species observed has been submitted to the Kawartha Land Trust.

A total of 31 species of butterflies were observed. The survey also determined the seasonal occurrence of the various species as shown in the summary tables. The seasonal distribution of the Clouded Sulphur is an excellent example of how the numbers can change through the months. There were distinctive flight periods in May and July, and then the major flight commencing in early August extending until early October. There were also periods when no Clouded Sulphur butterflies were recorded.

The summer of 2016 was noted for its drought conditions and this had a major impact on the populations of butterflies at the Dance Nature Sanctuary. The drought reduced the populations of nectar-bearing wildflowers. By late July, most of the blooms of the Common Milkweed had dried out, removing an important nectar source for adult butterflies. The blooms on the plants around the dug pond and the adjacent wetland did not dry out due to availability of soil moisture and in late July and early August was the most productive area for butterflies.

It is planned to repeat the weekly surveys in 2017 to provide additional data on the butterflies of the Dance Nature Reserve. If you are interested in participating in this citizen-science project of the Peterborough Field Naturalists and learn more about our native butterflies, contact Martin Parker at mparker19@cogeco.ca.

Special thanks to all the volunteers who completed the 2016 surveys: Matthew Tobey, Sean Smith, Michael Gillespie. Brian Tinker, Gerry Ball, Thom Unrau, Luke Berg, Brent Turcotte, Barb Saunders, Robert Patton and Martin Parker.

Month		April			М	ay		June					July				Augu	ıst		Sept	Oct	October		
Day	15	19	30	12	19	24	31	10	15	23	30	7	11	20	27	1	7	17	5	11	16	27	6	12
Skippers																								
Juvenal's Duskywing				1	1	2		1	1															
Wild Indigo Duskywing							1									1	1							
Common Sootywing																1	1							
Arctic Skipper									1															
European Skipper										17		1	3											
Crossline Skipper										1														
Long Dash Skipper										11			2											
Delaware Skipper														5										
Hobomok Skipper									3	4														
Broad-winged Skipper												1												
Dun Skipper													1	1	1	1								
Skipper species									3				11											
Swallowtails																								
Black Swallowtail						1																		
Giant Swallowtail									1															
Eastern Tiger Swallowtail													2											
Canadian Tiger Swallowtail							2	1	5	3														
Sulphurs & Whites																								
Cabbage White				2								2	5	3			8	5	4	1	1			
Clouded Sulphur				7		5	2						45	5		3	4	15	12	19	35	8	36	59

Month		April			May				June				July				Augu	st		Septe	October			
Day	15	19	30	12	19	24	31	10	15	23	30	7	11	20	27	1	7	17	5	11	16	27	6	12
Hairstreaks & Blues																								
Eastern Tailed Blue												1							2	1	1			
Spring Azure				5	2	7																		
Summer Azure												1					1	3			1	1		
Silvery Blue							24	7	8	1														
Brush-Footed Butterflies																								
Great Spangled Fritillary													3	4										
Fritillary species										1														
Northern Crescent									5	2				2	1									
Eastern Comma				1																				
Mourning Cloak			1										2											
Anglewing species			2	2																				
White Admiral										1			1				1							
Eyed Brown												2												
Little Wood Satyr									6	2														
Common Ringlet							1	24	37	13								21	20	7	4			
Common Wood-Nymph													23	1	1	1		2						
Monarch													4		3	2			1					
# of Species	0	0	1	5	2	4	5	4	10	11	*	7	11	7	4	6	6	5	5	4	5	2	1	1
# Individuals	0	0	3	18	3	15	30	33	70	51	*	9	102	21	6	9	16	46	39	28	42	9	36	59

Notes: June 30 – It was raining at the Dance Nature Sanctuary

August 1 – Common Milkweed blooms dried out due to drought and about half the plants were dead



Kawartha Lake Stewards Association Annual Spring Meeting

When: Saturday May 6 from 10:00 – 12:00
Where: The Bobcaygeon Community Centre (51 Mansfield Drive)

Please join us in a morning of scientific inquiry, presentations, and conversation regarding the health of our important Kawartha Lakes. Hear about KLSA activities, including an update on the paleolimnology study and 2017 lake monitoring program. Lets dive deep in to the past to learn how to conserve our lakes for the future.

With guest presentations by:

Dr. Eric Sager ("Swimming with plants: a Kawartha Lakes tradition")

Eric Sager is a professor at Trent University and Fleming College, as well as the Director of the James Oliver Ecological Centre on Pigeon Lake. He has been passionately studying plants on the Kawartha's for over 10 years, and provides a wealth of first-hand scientific knowledge.

And

Mr. Doug Kennedy ("Shorelines, Streams – their Function, Importance and Restoration of Water Front Properties")

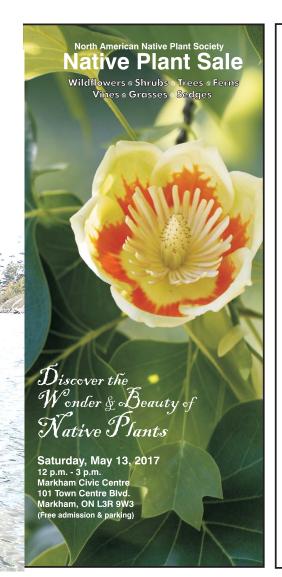
Doug Kennedy is an Environmental Technologist, MNR certified Managed Forest Plan Approver, Butternut Health Assessor and owner of GSU. He has been working in the environmental and horticultural industry since 1996.

ALL ARE WELCOME ---- ADMISSION FREE

We welcome donations to support the work of the KLSA.

For more information see our website: https://klsa.wordpress.com/

or send us an e-mail at kawarthalakestewards@yahoo.ca





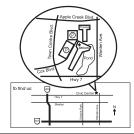
Celebrate our Native Plants!

Plants provided by NANPS-approved ethical growers.
Knowledgeable experts for assistance.
Displays by NANPS. Learn about pollinators,
conservation & local environmental groups.

Benefits of Native Plants

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- Thrive without fertilizers, pesticides & supplemental watering
 Provide food & habitat for wildlife
 - The best and often only food source for pollinators
 Hosts for butterfly larvae
 - Support insects that transform plant energy to protein for other species

Also join our colleagues at the High Park Community Advisory Council plant sale on May 7, 2017 • www.highpark.org



North American Native Plant Society

info@nanps.org Voice: 416-631-4438 Web: www.nanps.org

North American Native Plant Society is a volunteer-based charitable organization dedicated to the Study, Conservation, Cultivation and Restoration of North America's Native Flora.



NORTH AMERICAN
NATIVE PLANT SOCIETY



Great Work Vanessa! Trent Community Research Project Completed

Submitted by Lynn Smith

On March 29, Peterborough Field Naturalists Kim Zippel, Ted & Marion Vale and Lynn Smith attended a final presentation by 4th year Trent student, Vanessa Potvin. Vanessa had accepted a project through the Trent Community Research Centre that Kim Zippel, on behalf of the PFN, had submitted. The proposal involved digitally mapping the ten core ecologically important areas described in the 1996 report entitled "Peterborough Natural Areas Strategy".

The intent of the 1996 report was to have these areas included as part of a Natural Heritage System for the City of Peterborough. Vanessa digitally mapped these same areas in 2016, 20 years later. From there, Vanessa used geographical information system (GIS) software to perform a map analysis to calculate changes in area over the 20-year period. In 2014, the Province of Ontario strengthened provincial policy with a requirement that municipalities identify and protect natural heritage systems. Vanessa's work has digitized a baseline of core areas from which the City of Peterborough can identify a natural heritage system and hopefully then protect it.

All the Best to Vanessa in her future endeavours!

Just Another Boring Abstract

They're a-maze-ing, these etchings sprawled just under the bark, Made by a tunneling, yellowish white grub with strong, brown jaws In moist dead wood as it ate starchy wood, leaving its trademark, And excreting powdery 'frass', packing it behind without pause.

If a woodpecker does not this wild artist find and extract, The grub will continue to leave its wondrous engravings. If a human were to compose such patterns in an abstract, One can be sure of a lot of hype and 'academic' ravings.

But all one is viewing are the traces of a beetle larva's boring, Which is often easier to identify than the actual species. If only we could see through bark when we're out exploring, We'd see dead and dying trees riddled with tunnels full of feces.

Thus passes the longest stage of a metallic woodborer beetle Until it pupates, becomes an adult, and reproduces ... A woods after a fire or blowdown won't long look skeletal As more larvae recycle dead wood into seedling pines and spruces.

Murray Arthur Palmer, 2017



Orchid submissions are encouraged!

The submission deadline for the May issue is Friday, May 26.

Send submissions to Kathryn Sheridan via email: orchid@peterboroughnature.org

or post mail to: PFN, PO Box 1532, Peterborough ON K9J 7H7



At Long Last, An End to the Snapping Turtle Hunt

Written by Anne Bell of Ontario Nature, April 3, 2017

It has been a long time coming. Alongside our members, supporters, member groups and partners, Ontario Nature spent years trying to convince the Government of Ontario to end the hunting of snapping turtles, a species at risk. And finally, on Friday March 31, the government announced its decision to terminate the hunt. This was the only correct decision in light of irrefutable scientific evidence that snapping turtles cannot be sustainably hunted. Taking just one or two adults from a population on a yearly basis will lead to decline.

We are truly grateful to those within the Ministry of Natural Resources and Forestry who supported this science-based decision – from biologists and policy advisors right up to Minister Kathryn McGarry. Thanks to them, snapping turtles in Ontario now face one fewer threats to their long-term survival and recovery. The government's decision sends a



Snapping turtle convoy; Credit: Scott Gillingwater

clear message to the public about the importance of protecting this at-risk species.

Above all, we owe a heart-felt thanks to the many organizations and individuals who have been tirelessly fighting to end the hunt since at least 2007. Eleven thousand people signed a petition to terminate the hunt back in 2012. Even more spoke out against a government proposal this year to continue the hunt, demanding instead that it be closed. This strong, steadfast alliance of concerned individuals and scientific experts – too numerous to name – has finally won the day.

It has been a collaborative journey of dogged determination, fueled by letters to ministers, petitions, reports, opinion editorials, action alerts, blogs and social media campaigns. When the going got tough, the fair and informed coverage by the press and by the Environmental Commissioner of Ontario helped immensely to buoy weary spirits and keep the issue in the public eye.

Thank goodness we never gave up. Thank goodness the government listened. Thank goodness for snapping turtles, those amazing, clunky, long-lived, prehistoric-looking creatures who play such a necessary role in our local ecosystems and whose very existence enriches the human experience in so many ways.







From left: a male Evening Grosbeak, a male Red Crossbill, and a nonbreeding male American Goldfinch. Photos taken by Brian Wales at Algonquin Park April 1.

A Report on Development of the Trent Endowment Lands

Submitted by Basil Conlin

The Nature Areas belonging to Trent University, covering an area of about 783 acres, are in trouble. Trent University has partnered with the City of Peterborough to develop 20 parcels of land equal to over 315 football fields (nearly 400 acres), which are currently part of vital greenspace owned by Trent University. The Trent Lands Plan outlines that it will directly be converting healthy wetlands, grasslands, woodlots and farmland into commercial, residential, and industrial developments that threaten the integrity of the sanctuary. The Lands Plan details several developments: a new arena, new sports fields, a student's center, a development ironically entitled 'Innovation Park', and parking lots that threaten species with fragmentation and road mortality.



Belted kingfisher overlooking construction at Trent.

Photo by Basil Conlin

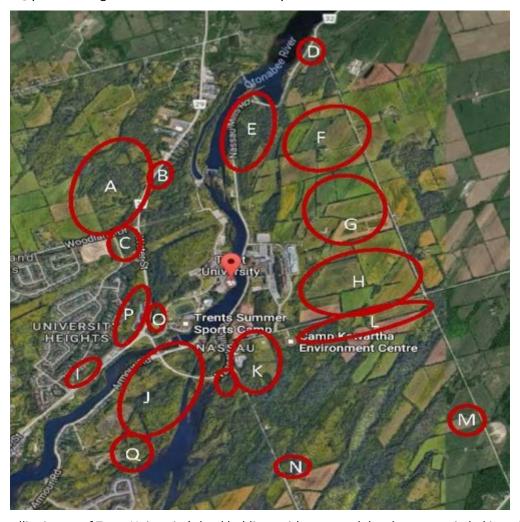
I am very passionate about the Trent Wildlife Sanctuary, which is part of Trent University's Nature Areas. As a naturalist, I go there several times a week year-round to watch the changing seasons and the species that accompany them. As of right now, I have documented over 1,000 species of animals, from reptiles such as the milksnake, to mammals like the fisher, birds like great horned owls and great crested flycatchers, to insects such as a multitude of provincially rare species including the yellow-banded bumble bee (recently listed as a SAR in Ontario), the Clemen's sphinx moth (a species that is local and in severe decline), and the endangered monarch butterfly. Of these species, 21 are currently listed as Species at Risk in Ontario, yet the Trent Lands Plan mentions nothing about environmental assessments or mitigation such as overpasses, underpasses, or fencing. In fact, many developments will be built beside wetlands and adjacent to or directly through woodlots and green spaces without any planning for how this will affect species and ecosystems.

The future of the Trent Nature Areas currently looks like it will be filled with habitat fragmentation and a loss of biodiversity. Wood thrush, a species listed as 'Special Concern' in Ontario, is a bird that regularly nests in the TWS, filling the woods with its flute-like song. These birds, as well as other declining species such as the ovenbird, need thick, dense, non-fragmented woodlots in order to nest and raise their young. The Lands Plan will fragment the sanctuary, leaving less habitat for forest-nesting birds. This leads to the edge effect, where fragmentation changes the structure of an ecosystem for the worst. In the relatively small woodlots that exist at Trent, these could lead to profound ecological changes such as loss of dense forest cover. We risk losing these breeding bird populations altogether, leading to local extinctions that will have much greater impacts to the ecosystem as a whole.

The introduction of new roads and parking lots could spell doom to Trent's already suffering populations of reptiles and amphibians. Currently, 18 species of reptile and amphibian have been recorded on the property, including blue-spotted salamanders, western chorus frogs (a species at risk), milksnakes, red-bellied snakes, stinkpot turtles (a species at risk), as well as several notable but as of yet unconfirmed sightings of Blanding's turtles (a threatened species in Ontario). Herps (non-avian reptiles and amphibians) and roads never mix well, and new, non-mitigated, poorly planned roads will likely cause higher rates of road mortality in these already small and isolated populations. The new sports fields built beside Pioneer Road next to Gzowski College are already impacting a vernal pool. This pool is one of the most important ecological features on the Trent Campus. It is pristine and is home to fairy shrimp, wood frogs, chorus frogs, spring peepers, grey treefrogs, hundreds of aquatic insects, and breeding birds such as red-

winged black birds and wood duck. Over 400 species of plant have been recorded in TWS, including many rare and local species, now at risk from developments. The Trent Lands Plan does not take any of this into consideration.

A new report, called the Living Planet Index, was released by the Zoological Society of London in partnership with the World Wildlife Fund. The Index found that animal populations had dropped by 58% worldwide from 1970-2012, and that if this trend continues, two-thirds of animal species will be at risk of extinction by 2020. Although controversial, this index underlines why we need to preserve our ecosystems. Now is the time to ask ourselves, what do we really need? Do we need more sports fields and hockey arenas, or do we need to save what little we have left of our wild for the future good of our native species and of ourselves? A sanctuary-wide series of bio-blitzes are currently being put together by Debbie Jenkins and several other dedicated people. The first one will take place in June with a date to be announced shortly, to catalogue every species of plant, fungi, and animal living in the Trent Wildlife Sanctuary. Now is the time to get involved. Harper Park and Jackson Park are already being threatened and now we stand to lose one of our largest and most significant natural areas within the city. So get involved. Let Trent University know that you like the campus green for all of our futures. Contact Neil Emery nemery@trentu.ca (Vice Chair of Research and Development), Leo Groarke (President, Trent U) leogroarke@trentu.ca, and the Major of Peterborough, Daryl Bennett, dbennett@peterborough.ca and let them know how you feel about this.



Satellite image of Trent University's land holdings with proposed developments circled in red. Image provided by Debbie Jenkins. For more information on the developments, visit https://www.trentu.ca/trentlandsplan/

Earth Day Super Spring Cleanup in Harper Park

Submitted by Lynn Smith

On Earth Day, April 22, the three Peterborough area Rotary clubs celebrated their 10th year of organizing the

Community Super Spring Cleanup. To commemorate the occasion, volunteers met at Confederation Park and were treated to coffee, doughnuts, music and display tables set up by environmentally friendly organizations. Dylan Radcliffe represented the Peterborough Field Naturalists and set up a table with our new banner, our refreshed display board and books to sell. (Thank you, Dylan!). After morning refreshments, we gathered up garbage bags and gloves and headed to our favourite park or cleanup location.

Thirteen volunteers and a family of four spent time in Harper Park. For some of us it was our first time participating. Interesting how a place



can look "clean" until, with garbage bag in hand, you really start to look. By the end of the morning, the Harper Park crew had hauled a respectable amount of garbage onto the side of the road. John Martin, a volunteer since 2012, pulled out a stove - perhaps the mate to the fridge he removed the previous year.

Thanks to all for volunteering your time! See you next year. ©

Show off the PFN Logo on Your Next T-Shirt, Hoodie or Hat

Submitted by Lynn Smith

Next time you are out shopping, be sure to drop into Mark's Work Wearhouse at 1135 Lansdowne St. West. The PFN Logo is ready and waiting to be embroidered on your next Spring Fashion Statement.



- Choose a piece of clothing;
- Take it to the desk at the back of the store.
- Tell the clerk that you would like to have the Peterborough Field Naturalists logo embroidered on it.
- You will receive 10% off the cost of the clothing (probably some exceptions here)
- The cost to embroider is \$5.75.

You will become one of the elite "Peterborough Field Naturalists Logo- wearing Club members".

It doesn't get much better than that!



My Personal Experience With The Blacklegged Tick

Submitted by Don McLeod

The threat of Lyme disease was the farthest thing from my mind when I enjoyed some fine late fall weather in Peterborough on November 16, 2016. But the next day that all changed when I got up and had a shower. While drying myself with a towel I happened to feel what I thought was a scab on my upper arm near the elbow. It felt a bit itchy and resisted attempts to rub it off. Then I took a close look in the mirror and gasped when I saw the legs protruding from the "scab". I exclaimed to my wife. "Oh crap, I think I have a tick!" To which she replied, "Eeeew!"

My mind raced about what to do next. The first reaction was to quickly remove it, but frankly I wasn't sure how to remove it properly. I was also trying to recall when and where I could have picked this tick up. The most likely possibility was from walking through Harper Park on the 16th.

After breakfast, I did some quick online research (see links below). I tried to follow the removal guidelines using a quality pair of fine tweezers. That did not go as well as planned. Perhaps because I had tried to rub off the scab, the tick body was slippery and softened, making it difficult to remove. Eventually I succeeded in removing the head and body. There appeared to be a small narrow mouth part still imbedded in the skin, but I was unable to remove that.

I placed the tick in a plastic Ziploc bag and took it to Peterborough Public Health on King Street in Peterborough. They accepted the tick and logged the details. I was informed that I should expect to hear back from them in 2 to 3 weeks. The sample would go through a two-step process: (1) Tick ID, (2) Lyme disease test if it is a Blacklegged Tick. Meanwhile they recommended I contact my physician. I did this as soon as we left the building. My doctor's assistant said I did not need to book an appointment unless I experienced any of the published symptoms. As long as I had the head removed (which I did) then there wasn't too much to do about the small part left behind

The tick "wound" was pink and slightly swollen for the rest of the 17th. By the morning of November 18th, it looked better and appeared as a small pink scab. I applied alcohol and Polysporin periodically, not based on any medical advice but just my own strategy. The tick wound never appeared as the often quoted "bull's eye" rash which can appear with early stages of Lyme disease.

So then began the waiting game. According to the Ontario government web page on Lyme disease, symptoms can appear as early as 3 to 30 days after a bite from an infected Blacklegged Tick. Luckily, I did not get sick during that period from any virus illness where symptoms might be similar. After 30 days passed, we breathed a little sigh of relief but were still feeling anxious until we heard back from the testing.

The two-stage testing took much longer than anticipated. The Christmas and New Year holidays were in the mix plus there may have been a surge of samples from the fall. After submitting the tick on November 17, the ID result of Blacklegged Tick did not come through until December 9. Then it was a long wait until February 9 to get the welcome news that the tick tested negative for the bacteria Borrelia burgdorferi. One additional piece of good news was shared by the staff at the Peterborough Health Unit: of 50 ticks identified through the unit as Blacklegged Tick, none tested positive for the presence of Lyme disease bacteria. So, while the ticks are here, Lyme disease had not arrived in the Peterborough area through 2016. It seems only a matter of time before it is.

After my struggle with using fine tweezers to remove the tick, I started a search for better tools to remove ticks. Most places I visited in town did not have tick removers. One type of tick remover that appears to have merit is called the Tick Key. It is a piece of aluminum with a tapered slot used to snag the tick and remove it. The only Ontario retail source for the Tick Key that I have found is Lee Valley Tools. We are heading there soon for garden supplies and will pick up a Tick Key in time for the 2017 outdoor activities. I hope I don't have to test this tool anytime soon, but if I do, I will report back with the results. Happy trails everyone!

https://www.ontario.ca/page/lyme-disease

http://www.peterboroughpublichealth.ca/my-home-environment/my-environment/lyme-disease/

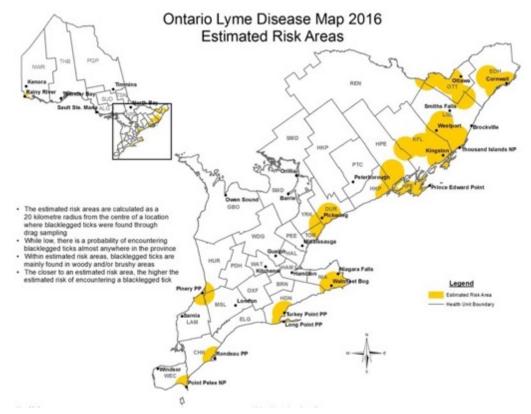
http://www.healthunit.org/hazards/documents/lyme.htm

http://chd.region.waterloo.on.ca/en/healthylivinghealthprotection/lymedisease.asp http://www.tickencounter.org/

**TickEncounter Resource Center | Ixodes scapularis (Blacklegged ticks or Deer ticks)



Blacklegged tick ID (source: Tick Encounter Resource Center, http://www.tickencounter.org/)



Public Health Ontario, Lyme Disease Risk Areas 2016 (source: http://www.publichealthontario.ca/en/eRepository/Lyme_disease_risk_areas_map.pdf)

PFN Trip Report: First of the Season – April 2nd Wildlife Walk

Submitted by Marla Williams

Jerry Ball was primed for another season of Sunday morning wildlife walks. As trip leader, he led us on a roundabout route north and east of Peterborough on Sunday, April 2nd. We saw and/or heard Cardinals, Blue Jays and Starlings prior to leaving the Zoo's parking lot, and then abruptly (but safely) pulled over on University Road to view two Turkey Vultures and an American Crow who were congregating at the top of a tree. According to Jerry, the vultures were waiting for the temperature to increase so that they could warm up and glide on the thermals. It was just above freezing, and the sky was clear. Wait a minute! We seemed to have lost one of the vehicles and it was only five minutes into the trip! Mitch, Bill and Jim appeared to have gone AWOL. Fingers were crossed for their eventual reunion with the group.

Lots of pairs this morning, as we passed two Common Grackles, two Mallard Ducks and two Robins on our way north along River Road. Turning onto 8th Line Douro, Jerry's intention was to check out some of the seasonal ponds in farmers' fields. Canada Geese were aplenty, as well as Red-winged Blackbirds and Common Grackles. Some keen eyes spotted an Eastern Meadowlark, and before we left that field we had spotted about a dozen more meadowlarks, as well as a Killdeer and a pair of Dark-eyed Juncos

Back on River Road, the Otonabee River yielded numerous Bufflehead, which Jerry referred to as "Butterballs". A pair of Goldeneye ducks was spotted, and then one hapless female Goldeneye who was persistently surrounded by five drakes. A friendly debate ensued in Jerry's vehicle, which saw Jerry and Brian discussing waterfowl terminology (hen versus drake versus "a duck"). Jerry informed the group that Goldeneyes are also known as "whistlers", as their wings



Sandhill Crane at Sawer's Creek.
Photo by Marla Williams

make a distinct high-pitched whistling sound while in flight. A Great Blue Heron flew gracefully overhead as we listened to the Goldeneyes at the side of River Road. Someone mentioned that they had heard a Song Sparrow calling at the previous stop, but that was not enough for Jerry to retrace his steps. "If it was something mega-rare I would turn around" claimed Jerry, as he continued north and then east on County Road 33 towards Highway 28

Turning east on Strickland Road (that's road, not street, as Jerry pointed out), and then north on Douro 5th Line, the group observed Robins, Mallards, a Mourning Dove, and some Song Sparrows bobbing along wooden fencerows. On Lynch's Rock Road, we stopped to admire a Red-tailed Hawk perched in some poplar trees. There is a plethora of bird feeders along this road, which yielded American Tree Sparrows, Dark-eyed Juncos, Mourning Doves, Red-winged Blackbirds, American Goldfinches, an Eastern Chipmunk, White-breasted Nuthatches, Chickadees, and Blue Jays.

Jerry's rule of thumb is to sit near a bird feeder for at least 15 minutes, and by that time most of the birds will have come and gone at least once.

Next stop was the Sawer's Creek wetland area. More pairs abounded, including Trumpeter Swans, Sandhill Cranes, Red-winged Blackbirds, Grackles, and Mallards. The Sandhill Cranes "bugled" at the group as they flew away a few minutes later. And it was about this time that Mitch, Bill and Jim were happily reunited with the group! Not to be outdone, they reported seeing an American Kestrel on their side trip.

Further down the road we were treated to the undulating flight of a Pileated Woodpecker, followed by its energetic drumming on a nearby tree. On Douro 3rd Line we stopped at a pond to search for Common Snipe, which is Jerry's "where's Waldo-type bird of the day". No snipe, but some Turkey Vultures and Mallards. On Centre Road, we spotted

an American Kestrel in the distance, which Jerry said used to be called "Sparrow Hawks". The Kestrel's diet includes frogs, snakes, insects, and birds as big as sparrows.

In a roadside tree, we happened to see and hear a Song Sparrow, which may or may not have caught the interest of the proximate Kestrel.

After crossing Highway 28, we continued along Centre Line to River Road, then south to the 9th Line of Douro. Jerry was still searching in vain for Waldo (the Common Snipe), and hoped that some of the ponds on the 9th Line would yield a Snipe. No such luck, but Kathryn spotted a Great Blue Heron who was standing quietly in a pond and flew away gracefully after tolerating us for a couple of minutes. A big thank you to Jerry who generously shared with us his bird lore and his time on a quiet, clear Sunday morning.



Great Blue Heron near 9th Line in Douro.

Photo by Marla Williams

PFN Trip Report: April 16th Wildlife Outing

By Don McLeod

Sixteen members and guests of the Peterborough Field Naturalists led by Martin Parker spent the morning of April 16th looking for birds and other wildlife. The travel route was from Peterborough to Rice Lake, with stops along the way. The highlight of the first stop was seeing a Wilson's Snipe flying high overhead. We could also hear its quavering hoot sounds during the swooping display flight. Along County Rd 2, a pair of Ospreys on a nesting platform put on quite a show while consuming a large fish. In the distance, there was an American Kestrel and close at hand we saw and heard a Vesper Sparrow. Out on Rice Lake,



Black-capped Chickadee building nest cavity.
Photo by Don McLeod



Osprey photo submitted by Don McLeod there were several Scaup visible with the aid of a spotting scope. Three Purple Martins were seen flying along the north shore of the lake - definitely one of the highlights of the morning. The cars split up mid-morning quite by accident, but for one group that provided some amazing sights. Sandhill Cranes were seen and heard. The sound was an amazing honk and rattle call that could be heard up and down the Otonabee River. A pair of Black-capped Chickadees were observed building their nest cavity by picking out small bits of dry rot wood from a dead tree. The sounds of a Yellow-bellied Sapsucker hammering on some metal were also heard. Later in the morning, some folks were fortunate to observe a small flock of Green-winged

Teal. Additional species that were identified by sight or sound throughout the morning included: Red-winged Blackbird, Mallard, Canada Goose, Common Loon, Double-crested Cormorant, Bufflehead, Belted Kingfisher, Great Blue Heron, Song Sparrow, American Tree Sparrow, Chipping Sparrow, American Goldfinch, American Crow, Blue Jay, Northern Flicker and Red-bellied Woodpecker.

From the Archives – A Poem By a Founding Member

Submitted by Martin Parker

THE FIRST HEPATICA

Francis J.A. Morris (1869 to 1940)

Welcome! Sweet flower, the firstling of the year! A little while and thou wert fast asleep Couched in the hollow of the woodland here; For all thy kind, when winter snows lie deep, Then Nature murmured low, as is her use, Crooning o'er her still-cradled young: hard by The tinkling lilt of rivulet let loose From icy clasp, the enduring pine's soft sigh, Both bade thee rise, for dream-love was nigh.

Even in the quiet dell, where no winds blow But all day warm airs brood, though art along: The fellows all are laid in slumber low, And on thy sunward slope dead leaves are shown, Dry brackens trail, with draggled tresses brown.

Thou votary of Spring! With upward gaze White-eyed thy face is lifted now, as there Thou did outpour thy soul in song of praise Not the less clear and sweet as we despair, To catch with our dull ear, its cadence rare.



Round-lobed Hepatica on Sandy Lake Rd, H-B-M Twp, Peterborough Cty, May 7, 2013. Photo submitted by Martin Parker.

Reprinted in The Orchid, Vol. 49, No. 3, April 2003. From "Peterborough – Land of Shining Waters", published by the City and County of Peterborough, 1967.

Note from Orchid: Frank Morris, a founding member of the PFN and poet of distinction, taught for many years in Peterborough. His studies of the wildflowers, particularly orchids, in this area and other sections of Ontario, were outstanding. In 1956, the PFN's Bulletin was renamed 'The Orchid' in his honour.





Photos taken during PFN's trip to Algonquin Park on April 1. Left: Susan Sauve hand-feeding Canada's national bird, the Grey Jay. Right: A Grey Jay politely pointing out the parking rules to park visitors. Photos submitted by Greg Piasetzki.





The Orchid Diary

A summary of noteworthy observations by PFN members and others in the Peterborough region.

Information is compiled from eBird, Drew Monkman's Sightings web page, the ptbosightings Yahoo group, and individual submissions.

Please submit your interesting observations to Martin Parker at mparker19@cogeco.ca or phone 705-745-4750.

Mar. 2 & 7	A late report from the longs family. They spotted a Great Gray Quil on March 7th on a hydro nois
IVIal. 2 & 7	A late report from the Jones family. They spotted a Great Grey Owl on March 7 th on a hydro pole
N4== 24	on Valleyview Drive and another individual on March 2 along the trail to Jackson's Park
Mar. 24	A late report of an American Opossum in his yard off Buckhorn Road north of Lakefield Road. It was
	feeding on a pomegranate placed out for robins.
Mar. 25	Bill Snowden reported that a pair of American Kestrels were at the nest box near Ennismore.
Mar. 28	Sue Paradisis explored a vernal pool within Harper Park and found 100's of Fairy Shrimps which are
	an indicator species for vernal pools. She noted there was still lots of ice on the pool and no frog or
	salamander eggs yet.
Mar. 20	Dave & Ann Heuft reported that Bohemian Waxwings were still feeding in the fruit trees in the
	Otonabee Drive area.
Mar. 30	Osprey observed by Don McLeod in Lancaster Bay, Chemong Lake. It was seen hovering, then diving
	and catching a small Yellow Perch. Still lots of ice on the lake, limited open patches for the Osprey
	to fish.
Apr. 1	Jerry Ball reported that Ospreys have returned to the nest on Indian River at Keene, and a Eastern
	Meadowlark was on the 8 th Line of Douro.
	Iain Rayner had Yellow-bellied Sapsucker in the Bear Creek Road area.
	Donald Sutherland had 2 Gadwalls in the Keene area.
	A Common Loon was seen by Don McLeod as it flew around the south end of Chemong Lake - some
	ice still on the lake.
Apr. 2	Jerry Ball spotted 2 Sandhill Cranes on the PFN Sunday AM outing in the Buckley Lake area.
	Lynn Smith had 5 Wood Ducks (2 male, 3 females) visit the pond beside her house in the Cavan
	area. Sue Paradisis had what was probably a Blue-spotted Salamander in the Harper Park
	vernal pool. Marilyn Freeman heard a Wilson's Snipe in the marsh along the Parkway Trail
	west of Chemong Road. Ben Taylor had 1 Double-crested Cormorant in the Keene area.
	Brendan Green had a Swamp Sparrow at Island View Drive.
Apr. 3	Warren Dunlop had 1 Cackling Goose on the Briar Hill Sanctuary pond and 1 Lesser Black-backed
	Gull on Rice Lake off Hall's Landing.
	6 Tundra Swans were on the Lakefield Lagoon by Bill Crins with another 2 on Rice Lake off Valley
	View Drive by Warren Dunlop.
Apr. 4	Jerry Ball spotted Tree Swallows over Little Lake and Wilson's Snipe at Buckley's Lake.
	Rob Welsh reported that most of Stoney Lake is still ice covered but Common Loons were calling.
	He noted the Ospreys had returned to the nest platform at Young's Point.
Apr. 5	Toni Sinclair heard her first Common Loon on Buckhorn Lake near Six Foot Bay.
	Two Trumpeter Swans were spotted by Jane Philott on Upper Buckhorn Lake off Kawartha Hideaway
	Road.
	Luke Berg had a Canvasback on Rice Lake south of Keene.
Apr. 6	The Jones family had a Red Fox in their yard on Valleyview Drive.
	Lindy Spirak had a Snow Goose at the west of the Chemong Lake causeway.
Apr. 7	Dave Milsom spotted a Barn Swallow at the Lakefield Lagoon.
	Iain Rayner had a Savannah Sparrow along Edgewater Blvd.

Apr. 8	An eBird report from an anonymous birder had Yellow-rumped Warbler and Ruby-crowned Kinglet
	on the Lady Eaton Drumlin.
Apr. 9	Jerry Ball observed a Double-crested Cormorant on the river. He also went looking for butterflies in
	the area north of Flynn's Corners (north of Buckhorn) and found 11 Mourning Cloak, 2 Eastern
	Comma and 2 Compton's Tortoiseshell.
	An anonymous birder reported on eBird that a Great Egret was in the Gannon's Narrows area.
	Matthew Garvin had a Vesper Sparrow near Keene.
Apr. 10	Butterflies found by Jerry Ball along Sandy Lake Road (off County Road 46) were an impressive 41
•	Mourning Cloak and 1 Eastern Comma.
	Stewart McDonald had a female Yellow-rumped Warbler at Catchacoma Lake.
	Sue Paradisis spotted an Eastern Bluebird sitting on a nest box at the KLT Ingeleton-Wells Reserve
	on the N.E. corner of Rice Lake.
	Luke Berg had a Greater Yellowlegs on a pond along Division Road.
Apr. 11	Luke Berg & Bill Crins reported a Northern Mockingbird at the southern end of Drummond Line
·	Scott Gibson had a Chipping Sparrow at Bissonnette Drive.
	Ian Rayner had a Blue-winged Teal on Towerhill Road pond.
	Luke Berg had 2 Brown Thrashers and 2 Field Sparrows in the Howard Towns CA.
Apr. 12	Iain Rayner had a Rough-winged Swallow over Little Lake.
Apr. 13	Luke Berg had 3 Eastern Towhee on the Lang-Hasting Trail west of Drummond Line.
•	He also had a Pine Warbler on Hall's Road in North Kawartha.
Apr. 14	Jerry Ball observed 28 Compton's Tortoiseshell, 5 Mourning Cloak, 2 Eastern Comma, 1 Green
•	Comma and 1 Red Admiral butterflies north of Flynn's Corners. In wetlands along the
	Galloway/Cavendish Forest Access Road, there were 74 Painted Turtles and 3 Blanding's Turtles.
	Donald Sutherland had 2 Caspian Terns at Hiawatha First Nation.
Apr. 15	Emily Pettypiece reported a Greater Yellowlegs.
Wood	Sue Paradisis submitted a detailed report on the status of Wood Frogs in a vernal pool in the
Frogs	Ingelton-Wells Reserve. On April 10, she and Meredith Clark noted there was lots of activity but no
Ü	eggs. There was one cluster of Blue-spotted Salamander eggs. On April 14, the Wood Frogs were
	actively mating with one cluster of eggs. There were several clusters of Blue-spotted Salamander
	eggs.
Apr. 16	Jerry Ball had a Greater Yellowlegs and Blue-winged Teal along Anderson Road near Douro Lake.
·	Melda Bax reported a Northern Mockingbird on the 8 th Line of Douro.
	Ted Vale reported hearing a Great Horned Owl calling in the vicinity of Milroy Drive in the early hours
	of the morning.
	Phil Shaw reported that American Woodcocks have been calling in the Meadowvale wetland area
	for a couple of weeks.
	Anne Heuft reported a Chipping Sparrow was in her yard.
	Jim Cashmore found a Common Loon in the morning within the lock basin of Lock 19. Later in the
	day it was gone. One wonders how it arrived and departed. Did it follow fish through an open gate?
Apr.16 PFN	During the PFN wildlife outing the following noteworthy birds were observed: Wilson's Snipe,
Outing	American Kestrel, Savannah Sparrow, Purple Martin, Sandhill Crane, Red-bellied Woodpecker,
-	Green-winged Teal. Many other more common birds were also observed.
Apr. 17	Luke Berg had 2 Virginia Rails in the wetland on University Drive.
Apr. 18	Jerry Ball had 2 Hermit Thrushes along Devil's Four Mile Road off County Road 46.
	Martyn Obbard spotted 18 Bohemian Waxwings in the Buckhorn area.
	Sue Paradisis & Meredith Clark had a Red-shouldered Hawk at the KLT Ingleton-Wells Reserve.
	Lynn Smith spotted a Purple Finch in Harper Park.
	Luke Berg had a Broad-winged Hawk along Hubble Road.

Apr. 20	Jim Cashmore had a very early male Rose-breasted Grosbeak in his yard off Wallis Dr.
	Donald Sutherland had a singing Carolina Wren on this date and the next day in the John Street area.
	Sean Smith also heard it on the 21 st .
	Luke Berg had a House Wren in his yard in the city.
Apr. 21	Bill Snowden had a White-crowned Sparrow & White-throated Sparrow at his feeder.
	Basil Colin spotted a Redhead Duck on the river near Trent University.
	Donald Sutherland had a Cliff Swallow on the Rotary Trail at Trent U.
	Daniel Williams had a Red-necked Grebe off Beavermead Park.
	Luke Berg had a Blue-headed Vireo in his yard in the city.
Apr. 22	Jeff Stewart had a Green Heron in the Millbrook area.
	Ian Sturdee had Ruddy Duck at Cordova Lake.
	Donald Sutherland had Lesser Yellowlegs in pond along Division Road.
	Matthew Garvin had Common Gallinule in the Fairbairn Street wetland.
Apr. 23	Dave Milsom led an OFO outing in the Peterborough area. Highlights include 3 Virginia Rails at
	Sawyer Creek & 21 Ospreys.
	Donald Sutherland had a Palm Warbler on the Rotary Trail at Trent U.
Apr. 25	Iain Rayner had first Northern Waterthrush near Ennismore.
	As of this date, 141 species of birds have been reported on eBird for Peterborough County for this
	year.

	PFN B	oard of Directors		(Other Volunteers
President and Ontario Nature Rep	Ted Vale	tedandmarion@sympatico.ca	741-3641	Membership Secretary	Jim Young 760-9397
Vice-President	Kim Zippel	kimzippel@nexicom.net	740-0587	Orchid Editor	Kathryn Sheridan orchid@peteboroughnature.org
Secretary	Martin Parker	mparker19@cogeco.ca	745-4750	Orchid Mailing	Mary Thomas
Treasurer	Dave Heuft	dave.heuft@gmail.com	743-6164	Jr. Naturalists	Lara Griffin 749-3639 pfnjuniors@gmail.com
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Meeting Co- ordinator	Marie Duchesneau	duchesneau13@hotmail.com	874-5739	Orchid Diary, Citizen Science Projects	Martin Parker
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Harper Park Committee Chair	Rene Gareau	rene.gareau@sympatico.ca	741-4560	Advocacy Committee	Jim Cashmore, Jim Young, Marilyn Hubley, Martin Parker, Ted Vale
Co-webmaster	Dylan Radcliffe	Dylan.radcliffe@gmail.com	991-0422	Webmaster	Chris Gooderham webmaster@ peterboroughnature.org
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				Peterborough Butterfly Count	Jerry Ball



Signature:

membership application form

Memberships may be obtained by mailing completed form and cheque to Peterborough Field Naturalists PO Box 1532, Peterborough, ON K9J 7H7

CONTACT
Name (s):
Work Tel:
Address: Receive
MEMBERSHIP TYPE & FEE SCHEDULE
Please make cheques payable to Peterborough Field Naturalists
1. Single Adult \$25
4. Family (couple or family with children*) \$30 *Please give the name(s) and age(s) of the children you wish to be enrolled in the PFN Junior Naturalists
Name Age* Name Age*
MAIN INTERESTS
o Birds o Butterflies/insects o Botany (Wildflowers/trees/shrubs)
o Astronomy o Aquatic Life o Geology o Field Trips
o Hiking o Conservation o Other (specify)
I (name) am knowledgeable in the following
areas and would be prepared to
o lead an outdoor session o give a presentation o prepare an article for The Orchid
I am interested in the following:
o Joining the PFN Executive o Sitting on research or o Working on field projects conservation committees
o Helping with refreshments at meetings o Please have a member of the executive call me
AGE GROUP
This information helps us to understand the needs of our members. If a family membership, please check for each adult
o Under 20 o 20-29 o 30-39 o 40-49 o 50-59 o 60-69 o 70-79 o 80< over
0 Olidei 20 0 20-29 0 30-39 0 40-49 0 30-39 0 70-79 0 80< 0vel
DONATIONS
Membership fees cover the general operating costs of he club while other sources of revenue are needed to fund special projects such as ecological restoration. You can assist the club by making a donation to help further our work in such areas. The PFN is a registered charity and issues receipts for income tax purposes. All donations are gratefully received and any member of the executive will be happy to speak to you concerning the use of such funds.
LIABILITY WAIVER
In consideration of the Peterborough Field Naturalists (PFN) accepting this application, I hereby for myself, my heirs, executors, administrators and assigns for- ever release and discharge the PFN, their officers, directors, servants and agents from any liability whatsoever arising from my participation in PFN activities, whether by reason of negligence of the PFN or its representatives, or otherwise. I affirm that I am in good health, capable of performing the exercise required for field trips or other activities in which I participate, and accept as my personal risk the hazards of such participation. As a member of the PFN and/or as a parent/guardian of a member under 18 years of age, I have read and understood the above, and accept its term on behalf of all of my underage children.