NATURE PEI

ISLAND NATURALIST

ISSUE # 217 **OCT. - DEC., 2015**

SOME HIGHLIGHTS

- ***Nature PEI Submits to Water Act and PEI National Park Management Plan;***
- ***Puffin found***
- ***Museum of Human & Natural History speech***
- ***Second Maritimes Breeding Bird Atlas goes to press***
- ***PEI Marsh Monitoring to expand***
- ***Red List for Birds - more declines***
- ***Bennett Autumn Classic raises $2,860***
- ***Nature Reserve donated***
- ***Great sightings: Townsend's Solitaire; Red-bellied Woodpecker; Baltimore Orioles***
- ***2015 Shorebird Surveys***

NATURE PEI - NATURAL HISTORY SOCIETY OF PRINCE EDWARD ISLAND
P.O. BOX 2346, CHARLOTTETOWN, P.E.I. C1A 8C1

Meetings are held of the first Tuesday of the month from October to June at 7:30 p.m. at **Beaconsfield's Carriage House, corner of West and Kent Street in Charlottetown**. Each meeting commences with a brief business meeting followed by a nutrition break and our guest speaker. Members and non-members are welcome.

Membership is open to anyone interested in the natural history of Prince Edward Island. Membership is available at any meeting or by contacting the Treasurer at P.O. Box 2346, Charlottetown PE C1A 8C1. Annual membership is $20 and renewals are due in January. Multi-year renewals are $20 per year for which you wish to renew. Membership expiry dates are shown in the top right hand corner of the mailing label or by a notice provided to those receiving electronic newsletters.

The Society is directed by a volunteer Executive elected from its members.

2015 Executive:

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NEWSLETTERS are normally published quarterly and are available in Acrobat Reader colour format via E-mail or in black & white hard copy delivered by mail. Hard copies are printed on recycled paper. Articles, notes, reports, drawings, bird sightings, plant records, pictures, etc. are welcomed from members and non-members. If you have seen anything unusual, please share it with us. It is important to have your nature observations recorded so that others may learn from them. All contributions should be sent by mail to Dan McAskill, Newsletter Editor, Nature PEI (NHSPEI), 368 Brazel Road, Donagh, P.E.I. C1B 0T9 or via E-mail to jdmcaskill@pei.sympatico.ca The ***next deadline*** for articles, sightings, or other newsletter information is *March 10, 2015.*

Illustrations/Pictures: The Society extends its thanks to Bird Studies Canada, Fiep de Bie, Don Carroll, Rosemary Curley, Friends of the Farm, Robert Harding, Don Jardine, Holly MacEachern, Dean MacGougan, A. Manthorne, Dan McAskill, Dale Murchison, John Reid Jr., Jason Simpson, and John te Raa for the use of their photographs in this issue.

Reprinting: Editors of other newsletters and teachers wishing to copy classroom materials are welcome to reprint articles from the Island Naturalist (except when copyrighted). Due acknowledgment must be provided to the Island Naturalist, the author and illustrator.

Web page: www.NaturePEI.ca **Facebook:** https://www.facebook.com/NaturePEI

Nature PEI gratefully acknowledges support from the Department of Education, Early Learning and Culture which enables distribution of newsletters to schools and libraries desiring it. The Society has representation on the board of the Island Nature Trust. The Society is a registered charity and a non-profit organization (Part 2, PEI Companies Act). Tax receipts are issued for donations to the Society and these funds are used to further the work of the Society.

Cover Illustration:

Dale Murchison captured this beautiful image of a Red-tailed Hawk at Vernon River in Oct, 2015. They breed on PEI and both the male and female construct or reconstruct an existing tree nest using branches and twigs. They line the nest with inner bark of trees, moss and evergreen tips. They typically produce two eggs in this region.

SOCIETY NEWS:

Its been a very busy period for the Nature PEI Board since the last Island Naturalist was released. Executive meeting were held on October 6th and Dec. 1st. Rosemary was able to: put out press releases our autumn speakers program; prepared a funding proposal for a coordinator for Nature PEI; booked the speakers for Nature PEI's spring speaker lineup; prepared a PowerPoint presentation titled "No Water, No Life" which was presented to the Environmental Advisory Committee's Water Act Subcommittee on Nov. 19 (its available online at the government's Water Act website or Nature PEI's website (www.naturepei.ca); updated spider collectors on the status of the spider collection project and set up a presentation by Caleb Harding for participants (scheduled for Dec. 9th); completed her surveys of Common Reed populations on the Island and provided a presentation on her findings to the Atlantic Society of Fish and Wildlife Biologists. Diane Griffin and Rosemary met with Assistant Deputy Minister Todd Dupuis to discuss potential collaborative projects on September 16th.

Several field trips were offered during the October and November and four Christmas Bird Counts were arranged for the December 19th to January 2nd (see Environmental Calendar for details).

- Ron Arvidson arranged for Jackie Waddell to lead an interpretive walk on the afternoon of October 11th along the new Bonshaw trails.
- Rosemary Curley led a plant field trip titled "In Search of "Phrag"" on October 25th which focused on exploring the St Chrysostome shoreline in search of PEI's tallest and most majestic grass, the Common Reed (*Phragmites australis*). One person attended the field trip.
- Ron Arvidson held an event for NaturePEI members which attracted 12 people to visit Jamie Stride of Island Falconry Services on November 8th where they had close up views of a Red-tailed Hawk, a Falcon, 2 Harris Hawks and a kestrel.

On November 26th, Rosemary Curley and Dan McAskill provided comments to the Parks Canada environmental stakeholder consultation regarding the development of the PEI National Park's new Management Plan. Nature PEI members and the public can provide their views using an online questionnaire or, better still, can provide their comments on the plan which will guide management within the PEI National Park for the coming decade.

Ian Scott updated the CBC information on the Nature PEI website. Gerald MacDougall prepared the first draft of an awards policy.

AN UNUSUAL FIND: by Fiep de Bie

An Atlantic Puffin was found by Jason Simpson in Savage Harbour, PE, on Nov. 22, 2015. The weather was stormy, with wind gusts up to 59 km/hr. The puffin was found on shore and, when put in the water, it would not fly off, just floated back to shore. Jason brought the bird to the Wildlife Service at the Atlantic Veterinary College to be examined. On physical examination, it seems thin and there were no other abnormalities noted. Unfortunately, the puffin was found dead in the pool the next morning, Nov. 23, 2015. It was submitted to the Canadian Wildlife Health Center (at the Pathology Department at the College) for a necropsy to find out the cause of death. A radiograph was taken before the necropsy was performed; no abnormalities were noted.

Atlantic Puffin at Savage Harbour on Nov. 22, 2015
photo by Jason Simpson

Outcome of the necropsy:

Together with pathologist Dr. Maria Forzan we performed a necropsy. This is what she wrote in her report: there were multiple lesions in this female hatch-year Atlantic Puffin. The most striking was a focal area of acute fungal infection in one of the lungs. The fungus (*Aspergillus* spp) had caused the death of an area in the lung over 1 cm in diameter (as the lung measured about 3x2 cm, this was a significantly large area). It would probably not, on its own, have caused the death of this bird, but it does highlight the fact that the puffin was under chronic stress. The source of the

stress could have been nutritional, physiological or environmental. Aspergillosis does not usually present in birds that are healthy and capable of mounting an effective immune response - except in cases when the number of spores the birds are exposed to is so large as to overwhelm their immune systems (not likely the case here).

Given the history of this puffin, how it was found weak along the coast of PEI, and the fact that it had fat reserves but these were not very large, it is possible that the puffin was suffering from some malnutrition and ended up exhausted on shore after a stormy day at sea. It is difficult to confirm this presumptive malnutrition, however. Unfortunately no information was found on the appropriate amount of adipose/fat tissue one would expect in a hatch-year puffin during early fall. At the time of necropsy, the bird was considered to be in "good body condition" but, if we were to compare it to what we have found in migrating passerines we have seen in the past (at the beginning of migration, in October), the fat in this puffin seemed insufficient to provide insulation from the cold and provide adequate energy reserves. Its pectoral (breast) muscle was not very well developed either. If the puffin was malnourished, then harsh weather (storm) followed by the stress of captivity along with the fungal infection in its lungs and the dehydration suggested by the changes in its kidneys, would well explain its death. Final Diagnosis: 1. Pneumonia, (*Aspergillus* spp) 2. Dehydration 3. Ventriculitis, (inflammation of the ventricles in the brain) 4. Exhaustion, stress, poor body condition

How often do we find puffins in PEI? Dan McAskill searched for Atlantic puffin sightings and compiled the following list: one immature Jan. 2, 1984 by Nelson Hurry found in the Smitty's parking lot in Charlottetown and released at a river; 40 to 50 Jul. 26, 1989 by Sandi Hurry at Brackley Beach (Fish & Wildlife sightings list beginning Jul. 3, 1989), one on Sept. 4, 1996 by Sandy M. Ruer at East Point, one on Jul. 8, 2000 by Vernon Laux, East Point, one on Sept. 30, 2001 by Dan McAskill at East Point, two on Nov. 18, 2001 by Vern Laux at East Point, one on May 13, 2004 by Ray Cooke, East Point, one on Dec. 14, 2005 Vernon Laux, Edie Ray, Lannie McDowell at East Point.

Juvenile Atlantic Puffin
Photo by Fiep de Bie

From the list above, we can conclude that it is not common to see Atlantic Puffins on PEI. When first seeing this bird, I had to look twice to see what species it was. It didn't look at all like the puffin we are so familiar with seeing. After all, the adult bird is striking, with its large multi coloured beak and nice black and white plumage. A juvenile looks completely different and the juvenile bird's bill seemed much smaller as well.

Atlantic Puffins can be found throughout the North Atlantic Ocean, from northwest Greenland to Denmark to the coastline of Newfoundland, and from north Norway down to the Canary Islands, Spain (in winter). The puffin is found on rocky coasts and offshore islands. It nests on grassy maritime slopes, sea cliffs and rocky slopes. The population in Iceland and Norway, which together account for 80% of the European population, decreased markedly since the early 2000s (BirdLife International 2015). According to the literature, the Canadian species is currently stable. During the winter it is wide-ranging, found in offshore and pelagic habitats usually in open water regions of breeding range to the edge of the continental shelf. The species is highly susceptible to the impacts of climate change, such as sea temperature rise and shifts in prey distribution and abundance (Durant et al. 2003, Sandvik et al. 2005). It is vulnerable to oil spills and other marine pollution. Extreme weather events and storms also pose a threat, with large wrecks (large number of dead seabirds in one incident) recorded following severe winter storms at sea.

With this finding and, after watching a recent Atlantic Puffin documentary at "The Nature of Things", it is fascinating to learn more about this intriguing and adorable looking seabird.

References:

Durant, J.; Anker-Nilssen, T.; Stenseth, N. C. 2003. Trophic interactions under climate fluctuations: the Atlantic puffin as an example. *Proceedings of the Royal Society of London Series B* 270: 1461-1466.

Sandvik, H., Erikstad, K.E., Barrett, R.T. and Yoccoz, N.G. 2005. The effect of climate on adult survival in five species of North Atlantic seabirds. *Journal of Animal Ecology* 74(5): 817-831.

http://www.birdlife.org/datazone/speciesfactsheet.php?id=3321

PRINCE EDWARD ISLAND MUSEUM OF HUMAN AND NATURAL HISTORY: by Peter Bevan-Baker

With the commitment of the new federal government to spend billions of dollars on social infrastructure, now might be a wonderful time for Islanders to begin to dream again about a project long discussed and advocated: and that is, the construction of a new Provincial Museum of Human and Natural History, a state-of-the-art institution to showcase and highlight the rich legacy, and promise, of our Island province. I foresee – I dream about – a must-visit facility for every Island school student, citizen and visitor.

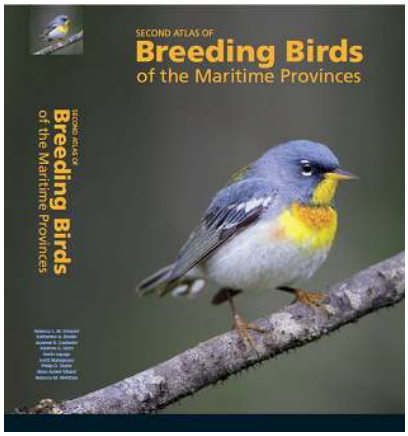
The Premier talks often about that very precious inheritance of Islanders, the Gift of Jurisdiction. In my opinion, that "Gift" is rather hollow – indeed, at risk – unless pains are taken, with each new generation, to shore up and reinforce Islanders' sense of history and identity. Also, we need to continue to learn from our past – in particular, how human beings have affected the often fragile environment of this place, and vice versa. Thus we can equip ourselves to face the future with a higher consciousness, and a greater wisdom….

In 1970, a visionary Island Government of the day took the bold step of establishing the Prince Edward Island Heritage Foundation. In 1983, the Museum Act changed the name of the organization, added a natural history mandate, and underlined the institution's status as the Island's "provincial museum."

Now, almost half a century later, let us be bold to finish the job and build a lovely and imaginative new facility which will be the pride of Islanders.

A speech delivered in PEI Legislature on November 26, 2015

SECOND MARITIME BREEDING BIRD ATLAS UPDATE AND BOOK LAUNCH:



The *Second Atlas of Breeding Birds of the Maritime Provinces* is now at the printers.

Thanks to the many contributors, the coordinators, writers, reviewers, and editors for their contributions and the donors who made this project and publication possible.

A book launch is being planned for Charlottetown (cost $72).

Watch for more information from Bird Studies Canada as the big day draws closer. Check out the website http://www.mba-aom.ca/jsp/presale.jsp to read a sample species account.

THE 15th NEIL BENNETT AUTUMN BIRDING CLASSIC: by Dan McAskill, Dwaine Oakley, David Seeler, Ray Cooke, Ron Arvidson, Sharon Clark, Vanessa Bonnyman, Jean Blanchard, Brenda Penak, Jackie Waddell, Fiep de Bie, Shirley Gallant, Marlene Guignion, Julie-Lynn Zahavich, & Shannon MacDonald,

This year marks the 21st anniversary of the Autumn Birding Classic which was designed as a long-term fund raising partnership for the Trust's land conservation program and as a bird migration monitoring count for early autumn. Nature PEI (Natural History Society of Prince Edward Island) and the Island Nature Trust commenced the Autumn Birding Classic in 1995. It was renamed the Neil Bennett Autumn Birding Classic in 1999 in memory of Neil's significant contributions to the Trust and bird conservation. The Buzz carried a press release in the September issue. There was more press coverage this year with Colin MacLean doing an article in the August 29th Journal Pioneer.

Four birding teams participated this year with Nature PEI's lead team, Team Dodo of the Island Nature Trust,

The Urban Birders team from the Trust, and Ron Arvidson's Birding on PEI team. This year's count was held on September 26th.

Nature PEI's lead team of David Seeler, Dwaine Oakley, Ray Cooke, and Dan McAskill started at 3:00 AM amidst a party clear sky and dead still conditions. It was a cool 4° Celsius to start the day and increased to a high of only 13º C by mid-afternoon before dropping to 8º C at dusk. Conditions were excellent for acoustic owling with no wind to start the day but, before dawn, the wind was rattling the trembling aspen leaves and, when the team reached East Point about 7 am, it was blowing a northwest gale. A CD Player with a owl call CD was used for owl play backs. The first owl species for Nature PEI's team was a Northern Saw-whet Owl and, before dawn, a Great Horned Owl, and two Barred Owls were added to the list. There were no bird migration calls or coyotes heard during the night portion of the count but we did see one red fox, one raccoon, and one cat.

Peregrine Falcon
Photo by Dale Murchison

By the time the our vehicle was maneuvered into position to provide a partial wind break at East Point, gannet, scoter, eider, gulls, and cormorants were seen. The northwest wind was the challenge at the point and the north side of the point. There were very few birds migrating through and only a few raptors working the point area. Over three hours, a solitary Peregrine Falcon and three Merlin were seen there. Despite the low numbers of woodland birds, three Blue-gray Gnatcatcher were found as well as 18 Pine Siskins and ~30 Cedar Waxwing. The Nature PEI lead team finished its count trying to find Gadwall in the PEI National Park, Red-throated Loon off Cavendish or the Great Egret seen in the last few days at Belvedere Pond but none of these were found. The Society's lead team traveled 404 km by auto, walked about 1 km and observed or heard 81 bird species and an unidentified woodpecker. This was well below the 102 species seen last year and the 108 observed in 2008, the 94 seen or heard in 2013, or the 96 in 2011 but comparable to the 81 seen in 2010 or 79 seen in 2012

Besides those listed above, the highlights of the Nature PEI's Lead Team for the day's outing were 3 Hudsonian Godwits at Rollo Bay and 1 at Tracadie Harbour, Red Knot and two American Golden Plover at Tracadie Harbour, and the diversity of shorebirds overall.

In addition to the birds seen or heard below, the Society's team also observed five foxes, one raccoon, a few grey seals, five red squirrels, and an ermine. One foraging cat was also seen. There were good numbers of dragonflies seen and small numbers of sulphur and cabbage white butterflies this year. New York aster, fall dandelion, a few chicory, white and rabbit's foot clovers, tall white aster, and at least 6 species of goldenrods were still in flower. In the northeast part of the Island, there was a good crop of white spruce cones in some sites and a good crop of wild raison and mountain ash this year. This unusual bone was discovered by David while searching for sparrows and identified by Dr. Pierre Yves Daoust.

Probable harbour porpoise scapula (shoulder bone) found in North Lake dredge spoil.
Photo by Dan McAskill

Ron Arvidson's Birding on PEI team was composed of Jean Blanchard, Sharon Clark, Vanessa Bonnyman, Brenda Penak, and Ron Arvidson. They started their day at 7:00 AM and their route was from Cornwall along the shore from Canoe Cove through Victoria to Carleton Cove return. Their birding highlights were 2 Redheads and a Nelson's Sparrow at Borden Carleton. They finished birding at 2:30 PM and picked up 44 bird species plus some great pictures which were shared on the Birding on PEI Facebook page. During the outing, this team covered 110 km by vehicle and walked about 2.0 km.

The Trust's Team Dodo consisted of Jackie Waddell, Fiep de Bie, Shirley Gallant, and Marlene Guignion (scribe

extra ordinaire!). Team Dodo started their day at Watt's Lane in Pleasant Grove at 6:30 AM. They covered various sites including the Watt's Road PEINP Boardwalk in Grand Tracadie, Tracadie Harbour, Dalvay Pond, Brackley PEINP, Rolling's Pond, Orby Head, Cavendish Beach, and Oyster Bed Bridge. They returned to Pleasant Grove at 2 PM. Their team found the warmest site among the four participating teams when they recorded 15° Celsius. At the end of her birding day, Jackie picked up American Goldfinch in Green Bay as the 46th species of the day at 2:45 PM and Fiep de Bie picked up a Red-tailed Hawk on her trip back home. The highlights of the day were the crazy surf conditions at the north shore and seeing the scoters in that and the fun time and the laughter with the best group of women a person could ask for! They picked up the only Osprey, Gadwall and Northern Pintail. Team Dodo finished having covered 180 km by vehicle and 3.0 km walking.

The Urban Birders team of Julie-Lynn Zahavich and Shannon Mader started their day at 6 A.M. and continued through to 1 P.M. They drove 95 km and covered the areas of Johnston's River, Maloney Drive, Cotton Memorial park, Hillsborough Bridge, Hyde Park, West River Bridge, Ferry Road Bridge, Marshfield's Heritage Lane, Corran Ban, and Tracadie Harbour before returning back to Johnston's River. At the various stops, they walked a total of 4.5 km while birding. Their highlights included Ruby-crowned Kinglet, Chipping Sparrow, and a Bald Eagle. In total, they picked up 32 species.

Over the past 16 years, Nature PEI and Island Nature Trust partnership has raised $35,129.25. Thanks to the generosity of this year's many donors, the Trust's pledge collectors and team members collected pledges of $2,860. The four Corporate Sponsors, namely: PEI Department of Environment, Labour and Justice, Fitzpatrick & Company; Nature PEI (Natural History Society of PEI) and Mechanics Inc. contributed $1,200 for the 2015 Neil Bennett Autumn Birding Classic.

In total, 95 species of birds were either seen or heard during the day. These are listed below.

Canada Goose
Wood Duck
Gadwall
American Wigeon
American Black Duck
Mallard
Blue-winged Teal
Northern Shoveler (2)
Northern Pintail
Green-winged Teal
Redhead (2)
Ring-necked Duck
Greater Scaup
Common Eider
White-winged Scoter
Black Scoter
Common Goldeneye
Hooded Merganser
Red-breasted Merganser
Ruffed Grouse
Pied-billed Grebe
Red-necked Grebe (2)
Northern Gannet
Double-crested Cormorant
Great Cormorant

Great Blue Heron
Osprey (1)
Bald Eagle
Northern Harrier
Sharp-shinned Hawk
Red-tailed Hawk
Black-bellied Plover
American Golden Plover (2)
Semipalmated Plover
Solitary Sandpiper (1)
Greater Yellowlegs
Lesser Yellowlegs
Hudsonian Godwit (4)
Ruddy Turnstone
Red Knot
Sanderling
Dunlin
Least Sandpiper
White-rumped Sandpiper
Pectoral Sandpiper (5)
Semipalmated Sandpiper
Short-billed Dowitcher
Wilson's Snipe
Razorbill

Black Guillemot
Bonaparte's Gull
Ring-billed Gull
Herring Gull
Great Black-backed Gull
Caspian Tern
Common Tern
Rock Pigeon (Dove)
Mourning Dove
Great Horned Owl
Barred Owl
Northern Saw-whet Owl
Belted Kingfisher
Downy Woodpecker
Hairy Woodpecker
Northern Flicker
American Kestrel (2)
Merlin (2)
Peregrine Falcon (1)
Blue Jay
American Crow
Common Raven
Black-capped Chickadee
Red-breasted Nuthatch

Blue-gray Gnatcatcher (3)
Golden-crowned Kinglet
Ruby-crowned Kinglet
American Robin
European Starling
Cedar Waxwing
Common Yellowthroat (3)
Palm Warbler (1)
Yellow-rumped Warbler
Black-throated Green Warbler
Chipping Sparrow
Savannah Sparrow
Nelson's Sparrow
Song Sparrow
Swamp Sparrow
White-throated Sparrow
White-crowned Sparrow
Dark-eyed Junco
Common Grackle
Purple Finch
Pine Siskin
American Goldfinch

Note: Species in italics are rarely seen here at this time of year. Numbers in brackets denote the number of birds where it was unusual for this time of year.

MARSH MONITORING PROGRAM COMES TO PEI:

by Holly Lightfoot
Maritimes Marsh Monitoring Coordinator

Last spring and summer, Bird Studies Canada's Maritimes Marsh Monitoring Program conducted fieldwork for the first time on Prince Edward Island, with support from the Prince Edward Island Wildlife Conservation Fund (PEIWCF).

Wetlands provide vital ecosystem services such as filtering and purifying water, protecting shorelines, reducing erosion, storing carbon, and providing rich habitat for a diverse range of plants and animals. Unfortunately, wetlands have been rapidly declining in number, size, and quality throughout North America. Those that remain are often threatened by pollution, filling, draining, and other human impacts, and are in need of protection and monitoring.

PEI 2015 Maritime Marsh Monitoring Sites
Bird Studies Canada

Through the efforts of government and conservation organizations, close to 940,000 hectares of wetland habitat have been secured, enhanced, and stewarded in the three Maritime provinces. However, conserving these wetlands does not mean they all have high biodiversity. To fill this gap, Bird Studies Canada, with support from partners, launched the Maritimes Marsh Monitoring Program in 2012. This program focuses on obtaining baseline information for secretive, solitary-breeding wetland species often not captured on other surveys, while providing a window into wetland health.

The Sora, a secretive marsh bird, was found in two of the five PEI 2015 Marsh Monitoring Sites
Photo by A. Manthorne

Support from the Prince Edward Island Wildlife Conservation Fund (PEIWCF) enabled the Maritimes Marsh Monitoring Program to expand its work to Prince Edward Island in 2015. Bird Studies Canada technicians surveyed five marshes across the island, from Mill River to Souris, and detected more than 60 wetland-associated bird species, including Red-Winged Blackbirds, Common Yellowthroats, and Soras. To continue this work, PEIWCF has provided additional funding to host a volunteer training workshop in early 2016. Islanders, stay tuned for timing and location details!

The Maritimes Marsh Monitoring Program is undertaken with the financial support of the Government of Canada, the New Brunswick Wildlife Trust Fund, TD Friends of the Environment Foundation, and Ducks Unlimited Canada. For more information, contact Holly at 506-364-5185 or via email at hlightfoot@bsc-eoc.org

NEWS FROM ABOUT:

Jackie Waddell receiving the Friends of the Farm *Janice Simmonds Award* from Nara Simmonds on Nov. 3, 2015

Congratulations go to Jackie Waddell on her receipt of the Hon. J. Angus MacLean Natural Areas Award at the Island Nature Trust's Annual Meeting in October for her outstanding work in conserving and advocating for natural areas on PEI. Only a few weeks later at the Friends of the Farm November meeting, she was awarded the Janice Simmonds Award for her significant achievements respecting the creation, protection, preservation and management of public green spaces on PEI. (Adapted from *Island Nature Trust Quarterly*, Dec. 15, 2015 Issue 131)

Great news on the natural areas conservation front. Leigh Smith, Cindy MacEwen, Bud MacEwen and Don MacEwen donated 11.3 ha (28 acres) of beachfront and wetland property at St. Peter's Harbour to the Nature of Conservancy of Canada in August, 2015. This area has been named the Clarence and Alice MacEwen Nature Reserve. (Adapted from Luke Kenny's "MacEwen family proud to share beauty of protected party with future generations" in Eastern Graphic, Aug. 12, 2015 p, 8)

BirdLife International has released the 2015 Red List for Birds which shows that 40 species have been reclassified at a higher threat level. Of these, 24 are now considered to be at a higher risk of extinction (i.e. Vulnerable, Endangered, or Critically Endangered listings). The Atlantic Puffin and Horned Grebe have been moved up from their 2014 classification as Least Concern to their current listing of vulnerable. Razorbill, Common Eider, and Red Knot are amongst the 16 species whose status has been upgraded from Least Concern (the lowest level of threat) to Near Threatened. Visit the BirdLife International website to learn more about the new Red List assessments. (adapted from Bird Studies Canada's Oct. 29, 2015 Latest News)

Holland College's Wildlife Conservation Technology instructors and students were at the Cameron's Island Banding Station from October 6th to 8th and October 13th to 15th, 2015 to conduct mist net trapping and banding. This program provides valuable information on the birds during autumn migration and is one of the many skill sets that students in this program learn. The team captured and banded 137 individual birds of 14 species. The most common species this year was the Song Sparrow (52 birds) and the least found species were a Palm Warbler, a Winter Wren and a Red-eyed Vireo.

A portion of funds raised through Bird Studies Canada's (BSC) annual Great Canadian Birdathon are allocated to the Baillie Fund to provide grants to individuals or groups for projects that further BSC's mission. Since 1978, the Baillie Fund has provided grants totalling nearly $720,000 to 591 bird research and conservation projects across Canada. In reviewing grant applications, the Baillie Fund Trustees give priority to projects that engage the skills and enthusiasm of amateur naturalists and volunteers to help us understand, appreciate, and conserve Canadian birds in their natural environments. Bird Studies Canada is now accepting applications to the James L. Baillie Memorial Fund for Bird Research and Preservation (the Baillie Fund) for the 2016 grant cycle. There are three granting programs, each with a different application and review process. Applications for Regular Grants closed on December 15, 2015 but applications for Small Grants are open until January 15, 2016 and applications for the James L. Baillie Student Award for Field Research, administered by the Society of Canadian Ornithologists, are open until February 15, 2016. More information is available from BSC's website or contact the Baillie Fund Secretary at acoughlan@birdscanada.org. (adapted from Bird Studies Canada's Oct. 29, 2015 Latest News)

The City of Charlottetown has been conducting studies on its trees and shrubs. Recently Jason MacEachern used the USDA Forest Services's *iTree Canopy* software and Google Maps imagery to assess Charlottetown's tree canopy. They used 1,000 random points and determined that the City's land base cover was composed of 22% trees and shrubs, 44% grass and herbaceous plants, 21% impervious surfaces, 11% bare ground and 2% water. (Adapted from "From the Park Bench: A Victoria Park Newsletter" Fall 2015 issue, "Charlottetown's Canopy Study")

For Christmas Bird Count enthusiasts, the behind the scenes work in Canada was implemented by Dick Canning, BSC's Senior Project Biologist for over a decade. He served in various BSC capacities for the past 16 years and we are thankful for his dedication and hard work on the CBCs, the national ebird program, and the British Columbia Nocturnal Owl Survey. Congratulations go to Dick as he was successful in his bid to become the Member

of Parliament for South Okanagan–West Kootenay. Mike Burrell, who is BSC's Ontario coordinator for the Important Bird and Biodiversity Areas Program and eBird Canada, has taken over Dick's duties related to the Christmas Bird Count in Canada. Mike can be reached at mburrell@birdscanada.org. (adapted from Bird Studies Canada's Oct. 28, 2015 Latest News)

A GREAT CHRISTMAS GIFT FOR BIRD ENTHUSIASTS:

By donating $35 or more annually, Bird Studies Canada members and supporters provide valuable funding for bird research and conservation, and receive a subscription to our magazine (BirdWatch Canada), free participation in any of its Citizen Science programs, and a charitable tax receipt for the full amount of the contribution. The Fall 2015 edition of BirdWatch Canada (No. 73) includes an update on Bird Studies Canada's involvement in efforts to minimize risks to birds and bats from wind turbines, a report on Project FeederWatch, highlights from its 2015 Atlantic Canada field season, and more. Visit the BSC website to view the table of contents, and to read the lead article featuring preliminary findings from the Québec Breeding Bird Atlas.
You can make an online membership donation through its website or call BSC toll-free at 1-888-448-2473.

WEATHER EVENTS:
Heavy rains, especially in western PEI, closed the Harper Road, Marchbanks, and Centre Line Roads (CBC Radio) on Oct 1 after 147.5 mm of rain was recorded at North Cape. Summerside recorded 75.8 mm on Sept. 30 and 4.8 on Oct. 1, Elmwood recorded 35.4 on Sept 30th and 4.8 mm on Oct. 1, and Charlottetown recorded 12.8 mm on Sept. 30 and 20.8 mm on Oct. 1 (AES Weather Stations). Cold temperatures at 1° C and precipitation on Oct. 18-19 brought 2 to 5 cm of wet snow across much of the Island and made driving hazardous in some areas. The snow cleared within 24 hours. There were snow flurries that caused a small dusting on trees and the ground on Nov. 16-17th in Donagh (JDM) and in Charlottetown on Nov. 28th (AES Weather Station). Heavier November rainfall events brought 17.6 mm on the 13th through 15th, 79.3 mm from the 21st through to 24th and 13.6 mm on the 28th. Snow storm warnings were up for the night of Dec. 3-4 and the 24 cm of wet snow and high winds caused widespread power outages followed by 10.8 mm of rain (JDM). A period of warm weather was then followed by a combination of snow, freezing rain and rain on Dec. 15 with between 5.8 cm of snow and 25.6 mm of rain in Charlottetown and more snow in western PEI..

ANIMAL AND PLANT SIGHTINGS: Compiled by J. Dan McAskill

PLANTS: An invasive plant, Policeman's Helmet, Himalayan Balsam, or Ornamental Jewelweed (*Impatiens balsamifera/glandulifera*), was discovered at Tyne Valley on the edge of the new Presbyterian Cemetery on August 21st (EM, WFB). *Editor's Note:* Rosemary Curley advised this plant has also been found in Stratford and at the new Prince Edward home. It is an annual that, if pulled every year will eventually disappear. It is loved by bees.

There was some flagging on **red maple** and **cherry** in southeastern Queens and central Kings County on Sept. 30 (JDM). There were good crops **white spruce, mountain ash, wild raison** (*Viburnum* spp.) In some areas. Yellow birch leaves started flagging yellow in their lower canopy at Donagh on Oct. 1 and mountain ash, white birch and wild raison on Oct. 2 (JDM). Moderate leaf colour was expressed along the TCH through the Bonshaw Hills on Oct. 8 (JDM) and a few Horse Chestnut nuts had fallen at Desable on Oct. 8 (JDM, LY). Strong leaf colour was present on lowland areas of Glenfinnan and St. Andrews on Oct. 9 (JDM). The first few **White Oak** nuts were falling at Charlottetown and ~100 **Horse Chestnut** nuts had fallen at Mount Stewart on Oct. 15 (JDM). **Red Oak** leaves started changing colour and falling and Butternut nuts had starting dropping in Donagh on Oct. 15 (JDM). The **hardwoods** in Fredericton were in full autumn colour and their leaves starting to cascade down on Oct. 16 (JDM). **Eastern Larch** (Swamp Juniper) leaves starting to change colour in Milltown Cross on Oct. 24 (JDM). **Sycamore** had seed in Charlottetown in late Oct. (KHM). There was a great crop of **winterberry** at Point Prim on Nov. 15 (JtR). The leaves of **deciduous trees** in Glen Valley had fallen by Nov. 16 (JDM). **Fall dandelion** was in flower at Stratford on Nov. 27th (DMu).

INSECTS & Other Invertebrates: RWH identified the following moths which came to a light at his home on Route 3 in Summerville, namely: **Iris Borer** moth* (Macronoctua onusta) on Sept. 16 (RWH); **Aster Borer** moth* (*Papaipema impecuniosa*) on Sept. 15; **Meadow Rue Borer*** moth (*Papaipema unimoda*) on Sept. 18; **Hemlock Looper** moth (*Lambdina fiscellaria*) on Sept. 20 (RWH); **False Hemlock Looper** moth (*Nepytia canosaria*) on Sept. 18; **Pink-barred Sallow** moth* (*Xanthia tatago*) on Sept. 19; **Small Brocade** moth* (*Oligia minuscula*) on Sept. 18 (RWH); **Wandering Brocade** moth* (*Fishia illocata)* on Sept. 18; **Autumnal Moth*** (*Epirrita autumnata*) on Oct. 13; and dozens of **Winter Moth** *(Operophtera brumata*) on Nov. 21*. Those marked with an asterisk are believed to be first records for PEI although the last species is listed in PEI integrated pest management plans. **Wooly Bear caterpillars** at Borden Carleton on Oct. 5 and 2 at Donagh on Oct. 6 (JDM) and at Stratford on Nov. 27 (DMu). 1 **Clouded Sulphur** butterfly (*Colias philodice*) flying at Stratford and 1 at Charlottetown on Oct. 28 (JDM) & several nectaring on goldenrod in Summerville on Oct. 28 & 1 at Hardy's Mill Pond on Nov. 11 (JtR). **Shadow Darner** dragonfly *(Aeshna umbrosa*) at Summerville on Oct. 28 (RWH) at O'Keefe's Lake on Nov. 6(RWH); **Spotted Spreadwing** damselfly (*Lestes congener*) at O'Keefe's Lake : Nov. 6 (RWH). 1 wasp at Donagh on Nov. 10 (JDM). Hundreds of small **spiders** in taller grass at Traveller's Rest on Nov. 12 & 16 (JDM, LY).

Pink-barred Sallow moth
Came to light at Summerville
Photo by Robert Harding

Autumnal Moth
Came to light at Summerville
Photo by Robert Harding

AMPHIBIANS/REPTILES: Northern Leopard Frogs on road in French Village on Oct. 22 (BJM, JDM). Garter snake sunning itself on Confederation Trail at Coleville on Nov. 7 (JtR).

Garter Snake at Colville, PEI
on Nov. 7, 2015
Photo by John te Raa

MAMMALS: Red Fox being seen most days during excursions in October through December in Queens and Kings County (EFM, EM, IS, JDM). **Silver fox** near QEH on Oct. 28 (WFB, JDM). **Striped Skunk** at Johnston's River on Oct. 26 (JDM) and over a dozen seen dead roadside in Queens County between Oct. 21 and Oct 28 (JDM). 1 **Eastern Chipmunk** at Donagh on Oct. 25 & Nov. 10 (JDM), 1 at Argyle Shore on Oct. 25 (LY, JDM), and 1 small individual at Stratford on Nov. 2nd (Dmu). 4 **Red Squirrels** at Monticello on Dec. 8 (LM, JGM). **Raccoon** seen at French Village and 2 at Donagh on Oct. 26 (JDM). 1 **Snowshoe Hare** at Monticello on Dec. 8 (LM, JGM). 1 **Minke Whale** breached and 3 **Gray Seals** and 1 **Harbour Seal** were present at East Point on Nov. 4 and there was a Minke Whale close to shore as well as Grey Seals on Nov. 25 (DO, WCT). **Grey Seal** at East Point on Dec. 8 (LM, JGM). 4 **Harbour Seals** on rocks at Hillsborough River on Dec. 12 (JDM).

BIRDS: Pink-footed Goose - 2 shot and photographed in Queens County on Nov. 7 (via GW); **Greater White-fronted Goose** - 1 at Campbell's Pond field in New Glasgow from late Oct. to early Dec. (GW); **Snow Goose** - 7 at Borden-Carleton on Oct. 15 with large flock of Canada Geese (BMacK); **Canada Geese** - 50 landing in grain field at Fullerton's Marsh on Oct. 8 (JDM), 700 offshore at Victoria on Oct. 8 (JDM, LY), 200 in St. Peter's Bay on Oct. 11 (EM, WFB), ~175 in potato and grain fields by Summerside Tax Centre on Oct. 16 (JDM), 200 at Wilmot River

estuary on Oct. 26 (JDM), 300 at North Rustico, 200 at Cavendish and 140 at New Glasgow pond on Oct. 24 (JDM), 500+ flying over Bunbury on Nov. 3 (JDM), ~75 in cove by Hillsborough Bridge on Nov. 26 & ~300 in soya beans in Bunbury on Nov. 27 (JDM), 700 at New Glasgow pond at dusk on Nov. 14 (JDM), 48 at Souris Causeway on Nov. 29 (SCS, GS, FdB, TF), 200 at China Point on Dec. 6 (FdB, GS), 200 to 500 on Hillsborough River at Stratford in Nov.-Dec. (DFG, KG); **Wood Duck** - at the Borden Lagoons on Sept. 23 (WFB, EM); **Gadwall** - at the Borden Lagoons on Sept. 23 (WFB. EM), 2 at Rollings Pond on Oct. 24 (JDM), 20 at Indian River Impoundment on Nov. 14 (JDM); **Eurasian Wigeon** - 2 at Brackley Beach on Oct. 11 (DEJ), 1 male at Glenfinnan on Oct. 24 (BD); **American Wigeon** - 3 at Borden Lagoons on Oct. 5 (JDM), 22 at Leslie's Pond in Souris on Oct. 21 (JDM), 13 at Kelly's Pond in Stratford on Oct. 28 (WFB, JDM), 25 at Indian River Impoundment on Nov. 14 (JDM); **American Black Duck** - 3 at Borden Lagoons on Oct. 5 (JDM), 15 down river from Pisquid River bridge on Oct. 9 (JDM), 125 in Malpeque Bay at Locke Shore Road on Nov. 3 (JDM), 15 at Indian River Impoundment on Nov. 14 (JDM), 43 at Souris Causeway & Black Pond on Nov. 29 (SCS, GS, FdB, TF), 30 at China Point on Dec. 6 (FdB, GS), 30 at Summerside on Dec. 10 & 11 (DMa); **Mallard** - 3 at Borden Lagoons on Oct. 5 (JDM), 1 at Indian River Impoundment on Nov. 14 (JDM); **Blue-winged Teal** - 2 at Borden Lagoons on Oct. 5 (JDM); **Northern Shoveler** - 2 at the Borden Lagoons on Sept. 23 (WFB, EM), 2 at Borden on Sept. 26 (RA, SCS, JBl, VB, BP); **Northern Pintail** - 1 at Noonan's Marsh on Oct. 5 (JDM), 29 with 24 males at Tracadie Harbour bar on Nov. 9 (JtR); **Green-winged Teal** - 10 at Borden Lagoons on Oct. 5 (JDM), 35 at Pownal pond on Oct. 28 (WFB, JDM), 2 at Indian River Impoundment on Nov. 14 (JDM), 10 in pond in Lake Verde in mid-Nov. (JDM); **Common Teal** - male at Lake Verde area in late Oct. through to mid-Dec. (BD) & still there in Dec. (DO); **Ring-necked Duck** - 25 at Borden Lagoons on Oct. 5 (JDM), 200 at Lake Verde on Oct. 24 (JDM), 3 at Indian River Impoundment on Nov. 14 (JDM), 1 at Souris Causeway on Nov. 29 (SCS, GS, FdB, TF), 2 at Black Pond on Dec. 6 (SCS); **Sea Ducks** - 1,000+ at East Point but too far to identify on Dec. 8 (LM, JGM); **Greater Scaup** - 16 at Borden Lagoons on Oct. 5 (JDM), 1 at New Glasgow pond on Oct. 24 (JDM), 3 at Black Pond on Nov. 29 (SCS, GS, FdB, TF); **Common Eider** - 22 at East Point on Oct. 21 (JDM), 2 at Cavendish East on Oct. 24 (JDM), 60 at East Point on Oct. 25 (SCS) & 200+ on Nov. 4 (DO, WCT) & on Nov. 29 (SCS, GS, FdB, TF) & 800 on Dec. 6 (SCS) & 12 on Dec. 8 (LM, JGM), 100 at southern Malpeque Bay on Oct. 26 (JDM); **Harlequin Duck** - 5 with 2 drakes at East Point on Nov. 4 (DO, WCT), 13 on Nov. 11 (DO, NM), & 4 on Nov. 29 (SCS, GS, FdB, TF) & 12 on Dec. 8 (LM, JGM); **Surf Scoter** - 1 at East Point on Oct. 25 (SCS); **White-winged Scoter** - 7 at Cavendish East on Oct. 24 (JDM), 2 at East Point on Oct. 25 (SCS) & 1 on Nov. 4 (DO, WCT) & 1 on Nov. 29 (SCS, GS, FdB, TF) & 4 on Dec. 6 (SCS) & 30 on Dec. 8 (LM, JGM), 250 flying at Traveller's Rest on Oct. 26 (JDM); **Black Scoter** - 300 at East Point on Oct. 21 (JDM), 24 at Cavendish East & 4 at North Rustico on Oct. 24 (JDM) 85 at East Point on Oct. 25 (SCS) & 50+ on Nov. 4 (DO, WCT) & 240 on Nov. 29 (SCS, GS, FdB, TF); **Long-tailed Duck** - 4 at Cavendish East on Oct. 24 (JDM), 3 at East Point on Oct. 25 (SCS) & 30+ on Nov. 4 (DO, WCT) & 350 on Dec. 6 (SCS), 10 off the Hillsborough River bridge in Charlottetown harbour on Nov. 13 & 3 on Nov. 17 (LM); **Bufflehead** - 4 at Leslie's Pond on Oct. 17 (BD), 16 with 4 males in breeding plumage at Indian River Impoundment on Nov. 14 (JDM), 10 at Black Pond on Nov. 29 (SCS, GS, FdB, TF) & 13 on Dec. 6 (SCS); **Common Goldeneye** - 2 at East Point on Oct. 21 (JDM), 4 at Hillsborough River on Oct. 28 (JDM), 6 at Hyde Park on Nov. 7 (JDM, WFB), 40 on Hillsborough River near bridge in Charlottetown on Nov. 13 (LM), 41 at East Lake, Basin Head & Black Pond on Nov. 29 (SCS, GS, FdB, TF), 5 at Black Pond on Dec. 6 (SCS); **Barrow's Goldeneye** - male and female at Hyde Park on Nov. 7 (JDM, WFB), a male at Hillsborough Bridge on Nov. 16 (LM); **Hooded Merganser** - 3 at Leslie's Pond on Oct. 17 (BD), 7 at Moore's Pond in Stratford on Oct. 27 & 2 on Nov. 17 (LM), 5 at Moore's Pond and 6 at Aptos Road pond on Oct. 28 (WFB, JDM), 4 pair at Indian River Impoundment on Nov. 14 (JDM), 4 at Black Pond on Nov. 29 (SCS, GS, FdB, TF) & 3 on Dec. 6 (SCS); **Common Merganser** - 20 at East Lake on Dec. 6 (SCS); **Red-breasted Merganser** - 4 at East Point on Oct. 25 (SCS), 1 at Souris West on Dec. 6 (SCS); **Ruddy Duck** - 3 at the Borden Lagoons on Sept. 23 (WFB, EM); **Gray Partridge** - covey of 7 and another covey of 9 at Greenwich on Oct. 14 (EM, WFB), covey of 18 at Cavendish in late summer & Nov. & Dec. (HY), 24 seen at Savage Harbour in Oct. (ARR), covey of 16 at Summerville for most of Nov. (RWH), ~8 at Desable in early Dec. (LY); **Ring-necked Pheasant** - male at Mermaid on Oct. 6 & Nov. 3 (JDM), 1 male at Johnston's River on Nov. 12 (JDM), male flying at Mount Mellick on Dec. 5 (BMacN); **Ruffed Grouse** - 2 at Afton Road on Sept. 28 (BH), 1 at Webster's Corner on Oct. 17 (JDM), 1 at Donagh and 1 at Caledonia on Oct. 24 (JDM), 1 at Hermitage on Oct. 29 (RWH), 1 at Elliotvale on Nov. 11 (RWH), 3 at Fort Amherst on Dec. 11 (BH), 1 at Donagh & 1 at Watervale on Dec. 12 (BH, JDM); **Sharp-tailed Grouse** - 1 at Afton Road on Sept. 28 (BH); **Red-throated Loon** - 1 at East Point on Oct. 21 (JDM), 2 at Cavendish East on Oct. 24 & 2 on Nov. 20

(JDM), 1 at East Point on Oct. 25 (SCS) & 12+ on Nov. 4 (DO, WCT), & 2 on Dec. 6 (SCS) & 1 on Dec. 8 (LM, JGM), 2 at Earnscliffe on Nov. 11 (DO, NM) 7 off Monticello on Nov. 13 (JGM); **Common Loon** - 1 at Basin Head on Oct. 21 (JDM), 1 at Earnscliffe on Nov. 11 (DO, NM), 1 at East Point on Nov. 29 (SCS, GS, FdB, TF), 1 at East Lake on Dec. 6 (SCS); **Horned Grebe** - 1 at East Point on Nov. 4 (DO, WCT); **Red-necked Grebe** - 1 at East Point on Oct. 25 (SCS) & 5 on Nov. 4 (DO, WCT) & 5 on Nov. 11 (DO, NM), 2 at Earnscliffe on Nov. 11 (DO, NM); **Great Shearwater** - less seen this summer than last year (HY); **Northern Gannet** - 5 at East Point on Oct. 21 (JDM), 1 immature at Cavendish East on Oct. 24 (JDM), 20 at East Point on Oct. 25 (SCS) & 8 mostly juveniles on Nov. 4 (DO, WCT) & ~50 mostly adults on Nov. 11 (DO, NM) & 8 on Dec. 6 (SCS), 257 at East Point & Basin Head on Nov. 29 (SCS, GS, FdB, TF); **Double-crested Cormorant** - ~250 in feeding frenzy chasing bait fish at Savage Harbour beach on Sept. 24 (JDM, BJM), ~500 in Summerside Harbour on Oct. 5 (JDM), 300 on Hillsborough Bridge piers on Oct. 9 to Oct 28 (JDM), 20 at East Point on Oct. 21 (JDM) & 12 on Oct. 25 (SCS) & 6 on Nov. 29 (SCS, GS, FdB, TF) & 2 on Dec. 6 (SCS) & 3 on Dec. 8 (LM, JGM), none on Hillsborough River piers near dusk on Nov. 13 & 2 on the base of one pier on Dec. 2 (JDM), 2 at North Rustico on Dec. 10 (JDM), 2 at Borden on Dec 11-13 (JR); **Great Cormorant** - 1 at East Point on Oct. 21 (JDM), 3 on Oct. 25 (SCS) & 1 on Nov. 4 (DO, WCT) & 1 on Nov. 29 (SCS, GS, FdB, TF) & 1 on Dec. 6 (SCS); **Great Blue Heron** - 1 at Alexandra marsh & 2 at Fullerton's Marsh on Oct. 28 (WFB, JDM), 1 at Victoria on Nov. 13 (JDM, LY), 2 at Black Pond on Nov. 29 (SCS, GS, FdB, TF), 1 at Larsen's Creek near Camp Buchan on Dec. 6 (ET); **Osprey** - 1 on nest platform on Oct. 8 at Cape Traverse (JDM, LY); **Bald Eagle** - 1 immature at Fort Augustus, 2 adults at St. Peters & 1 adult at North Lake on Oct. 21 (JDM), 2 mature & 1 immature at Summerville on Oct. 28 (RWH), immature at Wellington on Nov. 19 (RT), 1 at East Point & 1 at 5800 Northside Road on Nov. 29 (SCS, GS, FdB, TF), 1 at East Lake & 1 at Souris West on Dec. 6 (SCS); **Northern Harrier** - 1 at East Point on Oct. 11 (KMcK), 1 at Donagh on Oct. 5 & 8 (JDM), 1 at Argyle Shore on Oct. 8 (JDM), 1 at Fredericton on Oct. 16 (JDM), at least 2 at North Rustico on Oct. 19 (LY, HY, JDM), 1 at St. Peter's marsh on Oct. 21 (JDM), 1 at Summerville on Oct. 28 (RWH), 1 at Victoria on Nov. 18 (JDM, LY), 1 at Glenwilliam on Nov. 20 (DEJ), 1 at Souris Causeway on Nov. 29 (SCS, GS, FdB, TF), 2 at East Lake on Dec. 6 (SCS), 1 at Earnscliffe on Dec. 6 (FdB, GS), 1 Bothwell on Dec. 8 (LM, JGM); **Sharp-shinned Hawk** - 1 at Greenwich on Oct. 14 (EM, WFB), 1 at least 2 at North Rustico on Oct. 19 (LY, HY, JDM), 1 at Basin Head on Nov. 29 (SCS, GS, FdB, TF); **Northern Goshawk** - at least 2 at North Rustico on Oct. 19 (LY, HY, JDM), 1 at Dromore on Oct. 28 (DO), 1 at East Point on Nov. 29 (SCS, GS, FdB, TF), 1 along Northside Road on Dec. 8 (LM, JGM); **Red-tailed Hawk** - 1 immature perched in tree at Traveller's Rest on Oct. 5 & Oct. 26 (JDM), 1 at Greenwich on Oct. 16 (EM, WFB), 1 at Vernon River in mid-Oct. (DMur), 1 at North Rustico on Oct. 19 (LY, HY, JDM), 1 at Clyde River on Oct. 25 (JDM), 1 at Alberry Plains on Oct. 30 (RWH), 1 at Hampton on Nov. 18 (JDM); 1 being harassed by crows at Vernon Bridge and 1 at South Lake on Nov. Nov. 20 (DEJ), 1 at Millview on Nov. 22 & 1 at Stratford on Nov. 29 (RWH); 1 at 5800 Northside Road on Nov. 29 (SCS, GS, FdB, TF), 1 along Northside Road on Dec. 8 (LM, JGM), 1 in Summerside on Dec. 10 & 11 (DMa); **Rough-legged Hawk** - 1 at Earnscliffe on Dec. 6 (FdB, GS); **Sora** - 1 at Cavendish wetlands on Sept. 13 (DL via Birding on PEI); **American Coot** - 1 found in muskrat trap at Pisquid Pond on Nov. 7 (via DO); **Sandhill Crane** - 6 at Malpeque on Oct. 13 (KB), 1 in corn field at Spry Point on Oct. 24 (EEM); **Black-bellied Plover** - 29 at Souris Causeway sandbar on Oct. 21 (JDM), 1 at Alexandra on Oct. 28 (JDM); **American Golden Plover** - 1 at Souris Causeway sandbar on Oct. 21 (JDM) **Semipalmated Plover** - 3 at Souris Causeway sandbar on Oct. 21 (JDM); **Solitary Sandpiper** - 1 at Moore's Sanctoary on Sept. 10 (DMur); **Greater Yellowlegs** - 2 at Noonan's Marsh on Oct. 5 (JDM), 1 at Souris Causeway marsh and 5 at North Lake on Oct. 21 (JDM); **Sanderling** - 2 at Campbell's Cove on Oct. 21 (JDM), 8 at East Point on Oct. 25 (SCS), 80 at Carleton Cove on Oct. 25 (RA post to Birding on PEI), 1 flying at East Point on Dec. 6 (SCS); **Dunlin** - 2 at Tignish Shore on Oct. 4 (JMl), 15 at Tracadie Harbour bar on Nov. 9 (JtR); **White-rumped Sandpiper** - 2 at Souris Causeway sandbar on Oct. 21 (JDM); **Semipalmated Sandpiper** - 3 on exposed mud flats at Summerside West on Oct. 16 (JDM), 2 at Souris Causeway sandbar on Oct. 21 (JDM); **American Woodcock** - 6 at Dromore week of Oct 15th (BD, ML), 1 at Donagh on Oct. 17 (BD); **Wilson's Snipe** - 1 at East Point on Oct. 11 (KMcK); **Red-necked Phalarope** - 2 juveniles photographed

Red-necked Phalarope at Cavendish
Photo by Rosemary Curley

at inner shore of Cavendish Sandspit on Sept. 1 (FRC, DFG); **Pomarine Jaeger** - 1 at East Point on Oct. 11 (KMcK); **Razorbill** - 4 at East Point on Oct. 25 (SCS) & at least 15 on Nov. 4 (DO, WCT); **Black-legged Kittiwake** - 175 at east Point on Nov. 11 (DO, NM); **Bonaparte's Gull** - 14 at East Point on Oct. 25 (SCS), 25 at Souris Causeway & East Lake on Nov. 29 (SCS, GS, FdB, TF), 42 at Souris West on Dec. 6 (SCS); **Ring-billed Gull** - 500 feeding in roosting in grainfield in Mermaid on Oct. 4 (JDM), 38 at East Point on Oct. 25 (SCS), 25 at Souris Causeway on Nov. 29 (SCS, GS, FdB, TF) & 50 on Dec. 6 (SCS), 3 in Summerside on Dec. 10 & 11 (DMa); **Herring Gull** - ~1,000 at Carleton Cove beach on Oct. 5 (JDM), 12 at East Point on Oct. 25 (SCS), 28 at Souris West, East Point and Dingwells Mills on Dec. 6 (SCS); **Iceland Gull** - 7 at Black Pond & East Point on Nov. 29 (SCS, GS, FdB, TF), 2 at East Point on Dec. 6 (SCS), 1 nominate form at Summerside with 2 immatures on Dec. 12 (DMa); **Lesser Black-backed Gull** - adult with other gulls at Chepstow on Nov. 11 (DO, NM); **Great Black-backed Gull** - ~20 at Carleton Cove beach on Oct. 5 (JDM), 6 at East Point on Oct. 25 (SCS), 4 at Souris Causeway & Basin Head on Nov. 29 (SCS, GS, FdB, TF), ~10 on Hillsborough Bridge piers on Dec. 2 (JDM), 9 at Souris West, East Point and Dingwells Mills on Dec. 6 (SCS), 2 in Summerside on Dec. 10 & 11 (DMa); **Common Tern** - 3 off Kinlock Beach on Oct. 28 (JDM); **Razorbill** - 15 at East Point on Nov. 4 (DO, WCT), & 6 on Nov. 11 (DO, NM), 6 on Nov. 24 (DO, WCT), & 1 on Dec. 6 (SCS); **Black Guillemot** - 3 at East Point on Oct. 11 (KMcK), 3 on Nov. 11 (DO, NM), & 3 on Nov. 25 (DO, WCT); **Atlantic Puffin** - an immature female was found alive at Savage Harbour wharf on Nov. 22 and brought to AVC for treatment. It died and a necropsy was performed (see article) (FdB); **Rock Pigeon** - 25 at Norboro on Oct. 5 (JDM), 10 flying near barn at Scotchfort on Oct. 9 (JDM), 25 at New Annan on Oct. 26 (JDM), 25 at Cornwall on Nov. 19 (JDM), 15 at Souris Causeway on Nov. 29 (SCS, GS, FdB, TF) & 4 on Dec. 6 (SCS), 4 at Seven Mile Road on Dec. 8 (LM, JGM); **Mourning Dove** - 12 at Winsloe South on Dec. 12 (DEJ), 2 on wires at Donagh on Oct. 6-8 (JDM), 1 at Rock Barra on Oct. 21 (JDM), very few being seen roadside in Queens and Kings Co in Nov. & Dec. (JDM), 2 at 48 Road on Dec, 8 (LM, JGM), a few periodically at Riverview Estates feeders in Nov. & Dec. (WFB, EM), ~20 at Crossroads feeders in Nov. & Dec. (AO); **Great Horned Owl** - 1 photographed at Jacques Cartier Provincial Park on Oct. 16 (MC), 2 calling at St. Margaret's on Dec. 10 (GA via JGM), 1 calling at Stanhope on Dec. 11 (BH); **Snowy Owl** - 1 at Lot 16 on Nov. 18 (via G&SF), 1 on deck in Cavendish on Nov. 29 (BA), 1 on deck in Mermaid on ~ Dec. 5 (LB), 1 at Borden on Dec 13-15 (JR); **Barred Owl** - 1 calling at Dromore in early Oct. (BH), 1 at Auburn Demo Woodlot on Oct. 27 (JHo), 1 photographed at Holland Cove on Dec. 8 (LK), 1 calling at Stanhope on Dec. 11 (BH); **Northern Saw-whet Owl** - 1 calling at Donagh on Oct. 24 (JDM), 1 calling in eastern Queen's County in early Dec. (BH); **Ruby-throated Hummingbird** - 1 photographed at Nine Mile Creek on Oct. 15 & Nov. 4 (LD, VD); **Belted Kingfisher** - 2 at Tignish Shore on Oct. 4 (JMl), 1 at Borden Carleton on Oct. 5 (JDM), 1 at French Village on Oct. 24 (JDM); **Red-bellied Woodpecker** - 1 photographed at Harrington feeders on Oct. 27 and seen periodically in Nov. & early Dec. (HM via DO); **Downy Woodpecker** - 1 most days at Riverview Estates suet feeder in Charlottetown in late Oct. (EM, WFB), pair at Stanhope on early Dec. (BH), pair at West Royalty feeder in Nov. & Dec. (DC&ES), 1 in Summerside on Dec. 10 & 11 (DMa); **Hairy Woodpecker** - at West Royalty feeder in Nov. & Dec. (DC&ES); **Black-backed Woodpecker** - 1 at Dromore on Oct. 12 (ML), 1 at Provincial Forest in Elliotvale on dec. 12 (BJH); **Northern Flicker** - 1 flying at Donagh, first in last week on PEI, on Oct. 8 (JDM), 1 at Fort Augustus on Oct. 21 (JDM), 1 at 5800 Northside Road on Nov. 29 (SCS, GS, FdB, TF), pair at Riverview Estates in late Nov. & early Dec. (EM, WFB), 1 periodically at West Royalty feeder in Dec. (DC&ES), 1

Snowy Owl at Borden Dec. 15, 2015
Photo by John Reid Jr.

Red-bellied Woodpecker at Harrington Nov. 29, 2015
Photo by Holly MacEachern

at Winsloe South on Dec. 12 (DEJ); **Pileated Woodpecker** - 2 at Lorne Valley in early Dec. (JH), 1 calling at Lewis on Dec. 12 (DO), 1 at Watervale on Dec. 12 (LP); **American Kestrel** - 1 on wires at Johnston's River on Oct. 5, 6. & 8 (JDM), 1 at Cherry Valley on Nov. 11 (DO, NM), 1 at Cherry Valley on Nov. 18 (DMur); **Merlin** - 1 flying along shore at Savage Harbour on Oct. 10 (JDM), 1 at Greenwich on Oct. 15 (EM, WFB), 1 at North Rustico on Oct. 19 (LY, HY, JDM), 1 at North Rustico on Dec. 7 (HY, JDM); **Peregrine Falcon** - 1 at Tignish Shore on Oct. 4 (JMl); **Blue-headed Vireo** - 1 banded at Cameron's Island on Oct. 7 (DO, WCT); **Red-eyed Vireo** - 1 banded at Cameron's Island on Oct. 7 (DO, WCT); **Northern Shrike** - 1 at Monticello on Dec. 5 (JGM) & on Dec. 8 (LM, JGM), 1 immature at New Zealand on Nov. 28 (JHa via MH); **Gray Jay** - 1 at Dromore on Oct. 6 & 2 on Nov. 2 (ML), 2 at Selkirk on Nov. 19 (JGM), 1 at Cross River on Dec. 15 (SMe); **Blue Jay** - 80 at East Point on Oct. 11 (KMcK), smaller numbers being seen in Queens and Kings Counties in mid to late Oct. (JDM), 4 at Lower Cardigan on Dec. 2 & 5 at Donagh feeders on Dec. 3 (JDM), 5 at East Lake and Dingwells Mills on Dec. 6 (SCS), 5 at feeders in Summerside on Dec. 11 (DMa); **American Crow** - good numbers roadside in Queens and Kings counties and heading to the roost at Victoria Park in Charlottetown (JDM); **Common Raven** - 10 at Whim Road on Oct. 23 (JDM), 8 at Dingwells Mills on Dec. 6 (SCS); **Horned Lark** - 8 at Dromore on Oct. 28 (DO); **Black-capped Chickadee** - 1 at Stratford on Oct. 28 (WFB, JDM), small flock at Selkirk on Nov. 7 (JGM, LM), 9 at Black Pond & 5800 Northside Road on Nov. 29 (SCS, GS, FdB, TF), 14 at Black Pond and East Lake on Dec. 6 (SCS), 15 at Monticello on Dec. 8 (LM, JGM), 3 at feeders in Summerside on Dec. 11 (DMa); **Boreal Chickadee** - 2 at Selkirk on Nov. 7 (JGM, LM), 2 at Black Pond and East Lake on Dec. 6 (SCS), 3 at Monticello on Dec. 8 (LM, JGM); **Red-breasted Nuthatch** - 10 at Monticello in early Nov. (JGM), calling at Donagh on Nov. 4 (JDM), 1 at sunflower heart feeder at Riverview Estates in Charlottetown on Nov. 5 (WFB, EM), 1 at Culloden on Nov. 15 (JMa), 1 at 5800 Northside Road on Nov. 29 (SCS, GS, FdB, TF), 2 at Black Pond on Dec. 6 (SCS) 1 at Argyle Shore on Dec. 9 (JDM), a few calling at Donagh and Watervale on Dec. 12 (JDM); **Brown Creeper** - 1 at Tignish Shore on Oct. 4 (JMl), 1 at East Point on Oct. 11 (KMcK); **Winter Wren** - 1 at Noonan's Marsh on Oct. 5 (JDM), 1 banded at Cameron's Island on Oct. 7 (DO, WCT); **Golden-crowned Kinglet** - 1 at Donagh on Nov. 5 (JDM), 1 male at Culloden on Nov. 15 (JMa), 2 at East Lake on Nov. 29 (SCS, GS, FdB, TF), 3 at Black Pond and East Lake on Dec. 6 (SCS), 15 at Monticello on Dec. 8 (LM, JGM), a few calling at Donagh and Watervale on Dec. 12 (JDM); **Townsend's Solitaire** - 1 photographed feeding in grape vine at Rice Point on Dec. 2 (D&NC); **Hermit Thrush** - 2 banded at Cameron's Island on Oct. 7 (DO, WCT), 1 at East Point on Oct. 11 (KMcK); **American Robin** - 3 at Donagh, first in over a week, on Oct. 5 (JDM), 10 at Donagh on Oct 17 (JDM), small numbers being seen in Queens and Kings Counties in mid to late Oct. (DO); **European Starling** - ~200 at Scotchfort field on Oct. 9 (JDM), thousands murmuring in the evening around the Hillsborough Bridge in mid Nov. to Dec. (JDM), 38 at feeders in Summerside on Dec. 11 (DMa); **Cedar Waxwing** - 15 at East Point on Oct. 11 (KMcK); **Snow Bunting** - 50 in Miscouche-Lot 16 area since early (G&SF), 22 at North Rustico on Nov. 5 (HY, JDM, LY), 15 near the shore at Monticello on Nov. 9 (JGM), 25 at Victoria on Nov. 18 (JDM, LY), 63 at East Lake on Nov. 29 (SCS, GS, FdB, TF), 1,000+ at Earnscliffe-China Point on Dec. 6 (FdB, GS); **Common Yellowthroat** - 1 at East Point on Oct. 11 (KMcK); **Northern Parula** - 1 at East Point on Oct. 11 (KMcK); **Palm Warbler** - 1 banded at Cameron's Island on Oct. 7 (DO, WCT); **Yellow-rumped Warbler** - 3 at East Point on Oct. 11 (KMcK), 4 at East Lake on Dec. 6 (SCS); **American Tree Sparrow** - 1 at Horne Cross Road on Oct. 4 (VB); **Chipping Sparrow** - 1 at East Point on Oct. 11 (KMacK); **Field Sparrow** - 1 photographed at Monticello on Nov. 7 (JGM, LM); **Savannah Sparrow** - 3 at Noonan's Marsh on Oct. 5 (JDM), 5 at Traveller's Rest potato field on Oct. 5 (JDM); **Song Sparrow** - 1 at North Rustico on Oct. 19 (JDM), 1 at Bethel on Dec. 2 (JDM); **Swamp Sparrow** - 1 at Noonan's Marsh on Oct. 5 (JDM); **White-throated Sparrow** - 2 at East Point on Oct. 11 (KMcK), 1 at Stratford feeders in Dec. 11 (DO, AO)**;** **Dark-eyed Junco** - 1 at Community of East Point on Oct. 21 (JDM), 2 at Stanhope on Dec. 7 (BH, JDM), at

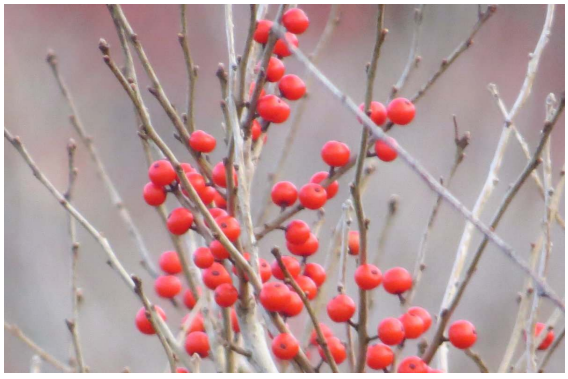
Townsend's Solitaire at Rice Point Dec. 2, 2015
Photo by Don Carroll

Stratford feeders in Dec. (DO, AO), 1 at Donagh feeders on Dec. 165 (JDM); **Summer Tanager** - 1 photographed at Traveller's Rest on Dec. 15 (DMacG); **Red-winged Blackbird** - 9 at Noonan's Marsh and adjacent cornfield on Oct. 5 (JDM), ~50 with a few grackles at Scotchfort corn field on Oct. 9 (JDM); **Brown-headed Cowbird** - 1 at Crossroads feeders in Oct. (AO); **Baltimore Oriole** - 2 going to suet feeders at Orwell ~Dec. 8 to 15 (SL); **Pine Grosbeak** - 1 at Lewis on Dec. 12 (DO); **Purple Finch** - 5 at East Point on Oct. 11 (KMcK) & a few on Nov. 4 (DO, WCT) & Nov. 11 (DO, NM). & Nov. 25 (DO, WCT); **White -winged Crossbill** - 2 on Nov. 25 at East Point (DO, WCT), heard at Lewis, Dromore and Bangor on Dec. 12 (DO); **Common Redpoll** - 15 at Selkirk on Nov. 7 (JGM, LM), ~100 at East Point on Nov. 11 (DO, NM) & 25 on Nov. 29 (SCS, GS, FdB, TF); **Pine Siskin** - 60 at East Point on Oct. 11 (KMcK), 10 at North Rustico on Oct. 19 (LY, HY, JDM); **American Goldfinch** - 3 at niger feeders in Donagh on Nov. 25 (JDM), a few periodically at Riverview Estates in Nov. & Dec. (WFB, EM), 3 at Black Pond on Nov. 29 (SCS, GS, FdB, TF), 15 at East Lake on Dec. 6 (SCS), 10+ at Earnscliffe -China Point on Dec. 6 (FdB, GS), 5 at Winsloe South on Dec. 12 (DEJ); **Evening Grosbeak** - ~10 reported at Brackley feeder at NHS meeting on Dec. 1 (via JDM); **House Sparrow** - 5 at West Royalty feeders in Dec. (DC&ES).

Summer Tanager at Traveller's Rest Dec. 15, 2015
Photo by Dean MacGougan

Errors/Corrections: The date and place for the White Admiral butterfly on the cover was July 7th at Devil's Punch Bowl Park rather than New Perth.

Thanks to the following contributors who provided records for this listing, namely: BA - Bonnie Arnold; GA - Gail Avery; RA - Ron Arvidson; JBl - Jean Blanchard; KB - Kyle Blaney; LB - Lori Bell; VB - Vanessa Bonnyman; WFB - Bill Bowerbank; BCo - Brenda Cobb; D&NC - Don & Nancy Carroll; FRC - Rosemary Curley; MC - Michelle Campbell; RC- Ray Cooke; SGC - Sharon Clark; BD - Billy Dockendorff; DD - Daphne Davey; FdB - Fiep de Bie; JD - JoAnne Dunphy; LD - Lois Doan; VD - Victoria Doan; G&SF - Greg & Sandra Feetham; KG - Kevin Griffin; W&SF - Warren & Sherron Foulkes; TF - Tiber Falzatt; CEG - Chuck Gallison; DFG - Diane Griffin; GGr - Garry Gregory; MRG - Marlene Guignion; BH - Ben Hoteling; BJH - Bonnie Hayden; CFH - Caleb Harding; JH - John Hayden; JHa - Judy Hanlon; MH - Megan Harris; RWH - Robert Harding; DEJ - Don Jardine; JK - John Klymko; LK - Lorne Kelly; DL - David Lord-riehl; ML - Morgan Laverty; SL - Steve Leath; BJM - Brian McAskill; BMacK - Brett MacKinnon; BMacN - Ben MacNeill; DMa - Donna Martin; DMacG - Dean MacGougan; DMu - Doug Murray; DMur - Dale Murchison; EM - Evelyn Martin; EEM - Erin McEvoy; HM - Holly MacEachern; JDM - Dan McAskill; JGM - Gerald MacDonald; JMa - Jeanne Maki; JMl - Jacek Mlynarek; KMacA - Kathleen MacAulay; KMcK - Ken McKenna; LM - Lucas MacCormack; NM - Nicole Murtagh; SMcB - Scott McBurney; SMe - Sandra Meade; WJM - Wade MacKinnon; AO - Audrey Oakley; DO - Dwaine Oakley; BP - Brenda Penak; LP - Luke Peters; SP - Shirley Prowse; ARR - Aggi-Rose Reddin; JR - John Read Jr.; JtR - John te Raa; DC&ES - David & Elaine Seeler; GS - Gary Schneider; IS - Ian Scott; SCS - Scott Sinclair; ET - Elizabeth Townsend; RT - Reg (Dutch) Thomson; AW - Anne Wootton; GW - Geoff Wood; WCT - Wildlife Conservation Technology Class; HY - Harry Yeo; and LY - Lorne Yeo.



Good crop of winter berry at Point Prim on Nov. 15, 2015
Photo by John te Raa

ENVIRONMENTAL CALENDAR:

Note: All Society presentations and field trips are open to the public.
Society meetings start at 7:30 PM at Beaconsfield, the Carriage House, corner of West and Kent Street, Charlottetown. YN = young naturalists encouraged to attend or participate

December 14th to January 5th - The Audubon Christmas Bird Counts. These are held annually across Canada, United States, Latin America and the Caribbean. Nature PEI hosts four of these 24 km diameter count circles, namely: PEI National Park, Hillsborough, Montague and East Point. The date and count coordinators for the remaining CBCs this year are as follow:

Dec. 27th (Sunday) - The Hillsborough Christmas Bird Count. There will be a pot-luck after the event for participants at 6 PM. Please contact Dan McAskill at 569-4351 or E-mail at jdmcaskill@pei.sympatico.ca for information or to register. The date may change in the advent of severe weather so please contact your coordinator.

Jan. 2 (Saturday) - The Montague Christmas Bird Count. Please contact Scott Sinclair via E-mail at scsinclair@pei.sympatico.ca for information or to register. The date may change in the advent of severe weather so please contact your coordinator.

January 5th - Learning Birds through Photography - Dale Murchison will be the guest speaker for the Society's Annual General Meeting which starts at 7:30 PM at Beaconsfield's Carriage House, corner of West and Kent, Charlottetown. YN

January 22nd - Birds of Eastern PEI. Dan McAskill will be presenting an illustrated presentation on some of the birds of Eastern Prince Edward Island at St. Mary's Hall in Souris starting at 7 PM. Storm date is January 24th at 2 PM.

February 2nd - Members Night. This evening will feature pictures, stories, poetry from our members. Members are asked to submit their pictures and include a caption for each or their stories or poetry to Gerald MacDougall (see inner cover). The Society's meeting which starts at 7:30 PM at Beaconsfield's Carriage House, corner of West and Kent, Charlottetown. YN

February 12th to 15th - 2016 Great Backyard Bird Count - This free 4-day annual event allows bird watchers to contribute their sightings be it in their backyard or on a field trip. See http://gbbc.birdcount.org/ YN

March 1st - If you build it, will they pass? Exploring issues of fish passage in PEI rivers and streams. Sean Landsman will be the guest speaker for the Society's meeting which starts at 7:30 PM at Beaconsfield's Carriage House, corner of West and Kent, Charlottetown. YN

April 5th - Maritimes Butterfly Atlas - Final Field Season Report. John Klymko will be the guest speaker for the Society's meeting which starts at 7:30 PM at Beaconsfield's Carriage House, corner of West and Kent, Charlottetown. YN

May 3rd - The PEI Spider Project. Caleb Harding will be the guest speaker for the Society's meeting which starts at 7:30 PM at Beaconsfield's Carriage House, corner of West and Kent, Charlottetown. YN

June 2nd - My Best Bird Photos. Don Jardine will be the guest speaker for the Society's meeting which starts at 7:30 PM at Beaconsfield's Carriage House, corner of West and Kent, Charlottetown. YN

Clouded Sulphur at Hardy's Mill - Nov. 11, 2015
Photo by John te Raa

John Klymko will be speaking on the six year long Maritimes Butterfly Atlas on April 5th (see above)

Weekly Minimum Shorebird Numbers Observed in the PEINP During 2015

127 Excursions from 24th April to 26 November, 2015

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	April	May				June					July				August					September				October				November		
Species	27	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16
BBPL			36	58	33	44		1		2		1	2	40	45	89	55	78	49	88	48	56	59	17	3	3		1		
AMGP									1									2			2									
PIPL																														
SEPL			3										105	143	495	714	702	75	106	95	301	144	180	85	13	1				
Kill															1															
GRYE	1	46	111		4	1		1	1	17	10	24	77	44	90	106	55	74	36	27	27	10		10	2	2	2	1		
WILL		7	5	3	5	6	4	6	8	7	10	5	6	3	5	4	6	5	3	2										
LEYE	1	1	24		3				3	9	31	52	130	39	129	77	44	42	14	34	17	8								
WHIM																	1													
HUGO													2	1	1	1						1	2							
RUTU													4	7	8	12	9	1	2		1	1	1	1						
REKN				2	3	1												2	2	4	16	11		4	2					
SAND																		10	3	5	2	10	5	11	13	19				6
SESA			5		9							23	154	355	906	330	868	195	119	175	210	598	333	330	117	37	12			
LESA			61						1		29	113	252	184	314	149	125	227	95	131	63	90	68							
WRSA																12	32	6		4	3	5	9	8	11		2			
BASA																	6	1		2		2	3		1					
PESA																1		2	1	25		3								
DUNL						1														1	7	162	275	113	466	117	68	7	93	
SBDO			5							22	31	8	70	24	51	18	46	35	12	15	22			4						
LBDO																														

In Co-operation with Prince Edwadrd Island National Parks—Parks Canada and the Canadian Wildlife Service, Government of Canada