



WBT

WILD BIRD TRUST  
of British Columbia

# WINGSPAN



*- making British Columbia a safer place for birds -*

**SUMMER/FALL**  
**2010**

# WBT Wild Bird Trust of British Columbia

Dedicated to the protection of wild birds and their habitat, on the principle that all wildlife must benefit

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**Festival Administrator:** Patricia M. Banning-Lover

**WINGSPAN Editor:** Patricia M. Banning-Lover  
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**DEADLINE FOR NEXT EDITION: February 14th 2011**

Please submit your articles and images for inclusion.

**Wildlife Plant Nursery Manager  
& Nurseryman:** Kevin Bell 604 980 9085

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**Volunteer Coordinators:** Ernie Kennedy  
Patricia M. Banning-Lover

## WBT Wild Bird Trust of British Columbia

is incorporated as a non-profit society under the Provincial Societies' Act, Society # S - 31197 and is a charitable organization under the federal "Income Tax Act" Charity # 14026 5570 RR0001

## THE CONSERVATION AREA AT MAPLEWOOD FLATS

2645 Dollarton Highway, North Vancouver  
(2 km. east of Second Narrows Bridge)

Maplewood Site Office Telephone: 604 903 4471

### Parking:

Weekdays: 8 am. - 6 pm. Weekends: 9.30 am. - 4 pm.  
(automatic gate closure—during your visit please check your watch)

Our trails are suitable for all ages and wheelchair accessible  
(no wheelchair accessible washroom)

Leashed dogs are allowed on the east side only

Please no dogs (leashed or unleashed) to special or regular events

### SPECIAL EVENTS

#### Annual General Meeting

**Saturday, November 27th 2010**

**Please see page 15 for details**

### REGULAR EVENTS

(meet at the Sanctuary Office - rain or shine)

#### Bird Survey

First Saturday of the month 8 am -12.30 pm.

#### Al's Saturday Nature Walks 2010

Second Saturday of the month

meet at the Conservation Area Site Office at 10 am for a 2 hr. walk

November 13th Legends of a Storm

December 11th Home for the Holidays

#### Al's Saturday Nature Walks 2011

Please see Page 12

#### Summer Evening Walks 2011

Wednesdays, July 27th & August 3rd 7-9 pm.— see page 12

#### Two "Members Only" Walks 2011 with Rob Lyske

Sunday, April 17th and Sunday, September 18th 10 am-noon

meet at the Conservation Area Site Office at 10 am for a 2 hr. walk

#### Volunteer Day

Third Saturday of the month 10 am.

Volunteers must fill in an application form

and sign a waiver of liability before commencement of work.

### VISIT WBT's WEBSITE AT

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

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# Essence! - the CEO's Message



Struan Robertson



Struan Robertson

*From left to right:*

*North Shore Optimist Club President Romney Copping, Optimist Club President-elect Syd Nash and Leigh Nash present WBT CEO Patricia M. Banning-Lover with a cheque for "Beyond Birds", Saturday, May 15th 2010*

*The building site for Wild Bird Trust's proposed Nature House*

*at The Conservation Area at Maplewood Flats.*

Long time supporter of Wild Bird Trust, member Diana Belhouse recently wrote a note on her renewal form. *Dear Patricia, when will the Nature House be built? A pan abode (log house) would be very appropriate. Have you considered this?*

I thought I would reply in this column because I am sure Diana's question has crossed more than one person's mind. Nature House Project Manager Director Adrian Joseph and I considered several designs and the best overall product for our needs is exactly what we have chosen. The proposed structure has been designed using all the knowledge we have gained through running The Conservation Area at Maplewood Flats since 1993. It is the right size for meetings and member and non-member events. It will at last provide the gateway to school programs which up until now has not been really feasible since there is nowhere for a group to sit and learn more about what they have seen. We have built all trails to wheelchair accessible code but have no wheelchair accessible washrooms—all this will change when the Nature House is built.

The project has had to meet approval with the Maplewood Steering Committee which is comprised of representatives from Environment Canada, Port Metro Vancouver, and District of North Vancouver. I am happy to tell you that the proposed Nature House designed by Fiscus Construction is very much liked. We are now at final design stage drawings and very unlikely to change direction having invested considerable funds to reach this point.

Here is how I see the timeline to that marvelous moment when we can walk inside the building and begin to use it. The long-term tenure document which will guarantee our presence at the site until March 31st 2041 will be signed. The document is expected any day and is the culmination of much negotiation over the last year and a half.

Next will come the release of very generous pledged funds by Norbury Foundation to match our own generated Nature House funds.

The formal procedure of permit application can then begin with Port Metro Vancouver and District of North Vancouver. Jim Johnston of Fiscus tells me the actual structure can be up in four months since so much of it is built off-site. We have already completed the necessary surveying, site-testing and initial clearing.

All we need now is a little bit of magic and a little bit more money. Considering what we have achieved from the early days of founding the Trust when all we had was seed money from collecting cans and bottles out of ditches, I am proud of what has been achieved and sincerely thank our members and supporters for all the help they have given us.

This project has similarities to traveling and being oft-asked the question "when will we be there?". The answer is "I am not sure" but we are all working hard to achieve this goal despite a changed financial climate and funding cut backs. Thank you very much Diana for raising this question and I hope my answer has been helpful.

WBT's Trails Manager Allan Milligan who is also in charge of the bird feeders at The Conservation Area told me that 25 bags of seed have been donated from different sources and Wild Birds Unlimited in North Vancouver. We are so grateful as this makes such a difference to our ability to provide sustenance throughout the coming months especially if the predicted cold winter materializes.

Looking forward to seeing you at the Annual General Meeting on Saturday, November 27th. You will find details of the presentations and program on pages 4 and 15.

All the very best,

Patricia M. Banning-Lover, Chief Executive Officer

# “BEYOND BIRDS”

WBT's Fundraising Campaign for THE NATURE HOUSE/OPERATIONS  
at THE CONSERVATION AREA AT MAPLEWOOD FLATS

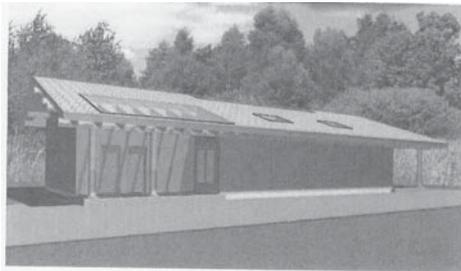
Our next capital project to help make  
the connection between conservation and education.

Projected Completion approximately Spring 2011

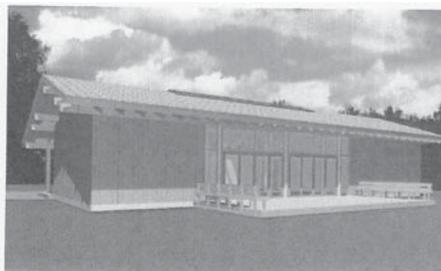
## Every Penny Helps!

If you would like to contribute to our fundraising campaign please send your tax-deductible donation to Wild Bird Trust of BC, 124-1489 Marine Drive, West Vancouver, BC V7T 1B8 (mark your envelope **“Beyond Birds”** and we will issue a tax receipt for the full amount.

Donations of \$20 and over will be acknowledged on a DONORS' WALL.



*View from the West on Osprey Point Trail*



*View from the East*

WBT's Nature House Design  
by

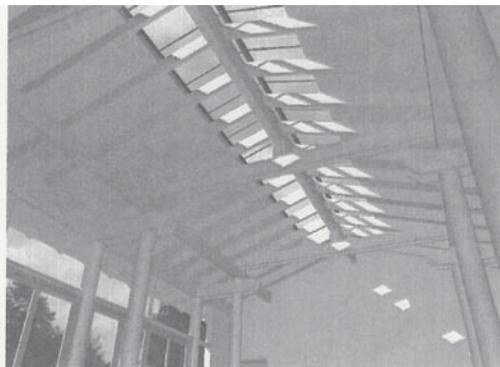
**Fiscus**

**Construction Ltd.**

Pemberton Avenue,  
North Vancouver,  
British Columbia



*Looking East—view from the patio doors*



*Looking up at the skylights*

**For more information please call  
WBT Co-Founder/CEO  
Patricia M. Banning-Lover  
604 922 1550**



# Chris Czajkowski—with her new book —is coming to WBT's AGM on November 27th

## The 100 Mile Diet, Ha Ha Ha

This is not a how-to-skin-a-moose-and-salt-it-down-and-make-the-offal-into-sausages kind of book. Rather it is a fascinating account of how a wilderness dweller -- in a none-growing climate 20 km from a road, 60 km from a store, and 250 km from the nearest town large enough for a supermarket -- feeds herself and the visitors that come to her small ecotourism resort. As Chris Czajkowski built her cabins in BC's Coast Mountains, and started providing for the clients of the Nuk Tessli Alpine Experience, she perfected her stone oven and her recipes - and word began to spread of Nuk Tessli and "The Best Bread in the World." From tangy sourdough loaves of freshly ground grain, Nuk Tessli Fruit Bread sweetened with molasses and aromatic spices, to Montreal Bagels with an alpine touch, here are hearty, adventurous recipes that bypass the bread machine.

Also included are quick breads and desserts, like Trail Mix Cake - perfect for a hike - and Nuk Tessli's enigmatic Spotted Dick, plus a few indispensable recipes for any wilderness dweller (or frugal urbanite), such as fresh yogurt and sprouts.

Of particular interest to readers with their own wilderness dreams will be Czajkowski's descriptions of how she gets wholesome, fresh food to the table in this remote and spectacular location.

**\$14.95**

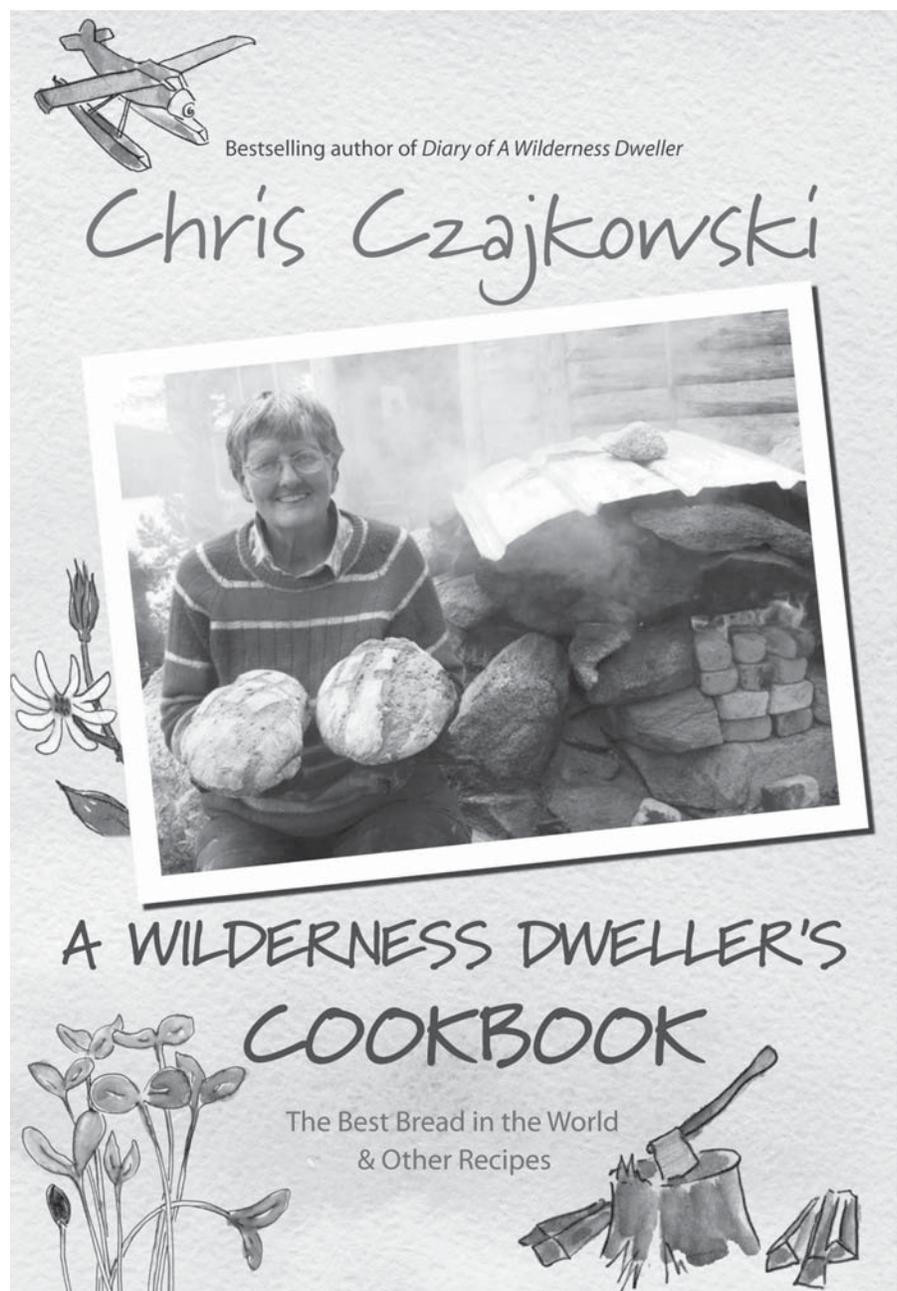
**plus tax.**

**Cash or cheque  
only please!**

**Saturday, November 27th 2010  
2645 Dollarton Highway  
North Vancouver,  
British Columbia.**

**Book sales begin as doors  
open at 12 noon**

**Please see complete program  
on page 15 of this issue.**



# McTaggart-Cowan Outstanding Naturalist Award

## ~ Al Grass ~

*Naturalist Al Grass was nominated by Nature Vancouver, Burke Mountain Naturalists and Langley Field Naturalists. He was presented with the award at the BC Nature Fall General Meeting in Langley on October 3rd 2010—as his wife Jude Grass shares “it was a complete surprise to Al”.*

### *Here is what was said ....*

Al is an all round naturalist and truly enjoys sharing his nature knowledge with people. As he says, “Well I like people. I enjoy being with people.” Al has a holistic view of nature. He is the person to ask your natural history questions, whether your question be on birds, plants, spiders, insects - especially butterflies, mushrooms or their kin. Al takes special delight in explaining such things. His youthful curiosity fuels a closer look; he understands the natural world’s interconnections and shares his knowledge and observations with enthusiasm to others.

Al grew up with an interest in natural history. In his childhood home in Burnaby, he had a complete set of Golden Nature Guides and he enjoyed walks to the Fraser River to fish off the log booms. In his teenage years he joined the Junior Naturalists of the Vancouver Natural History Society.

He went on to a career as Park Naturalist that extended over thirty years with BC Parks, including stints at: Manning, Wells Gray, Mount Seymour, Golden Ears, Cultus Lake, Rolley Lake, Sasquatch, Summit Lake, Shuswap Lake and Mount Robson. Al has also worked as a photographer, an environmental consultant and in the past decade at Wild Birds Unlimited where you will find him taking that extra time with customers, to answer their questions well and encourage nature interest.

Al has led countless field trips over the past forty years for the natural history clubs to which he belongs: Vancouver Natural History Society (Nature Vancouver), Langley Field Naturalists (for which he served as the first president) and the Burke Mountain Naturalists. He leads walks for Young Naturalist Clubs and is a field trip leader for other organizations: Wild Bird Trust of BC, Hastings Park Conservancy, Stanley Park Ecology Society and Wild Birds Unlimited. He teaches workshops and assists with Christmas Bird Counts (including Vancouver, White Rock & Surrey, Pitt Meadows, Chilliwack, and Ladner since the mid-1960s), and he contributes to raptor counts. Al is a member of other nature organizations including: BC Field Ornithologist, Biodiversity Centre for Wildlife Studies, Wild Bird Trust and Vancouver Mycological Society and participates on Park Associations for Metro Vancouver Parks. Al is often joined by his wife, Jude Grass, for they frequently lead joint trips, workshops and author articles.

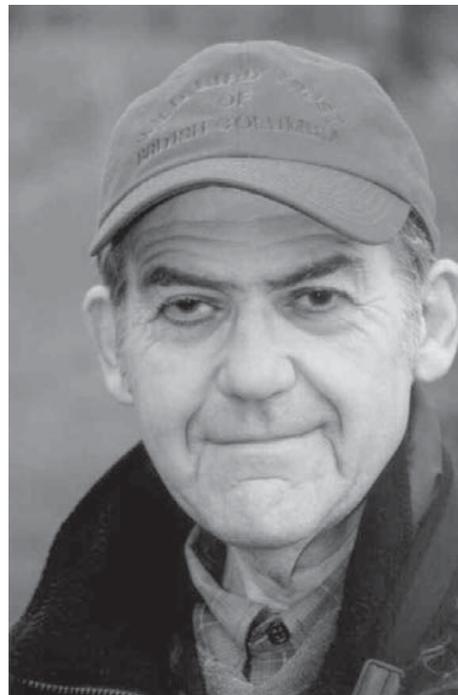
Al has contributed to many books including: Parks and Nature Places Around Vancouver, Ocean to Alpine, Exploring the Outdoors, Birds of BC, BC Wildlife Viewing Guide, The Birder’s Guide to Vancouver and the Lower Mainland, Discovering Nature in Stanley Park, and Birds of Langley.

He has authored brochures and contributed to numerous reports such as: Rolley Lake Provincial Park: Nature Diary 1985-1991, Hollyburn Mountain Area Study – bird and small mammal surveys, Campground Critters, Golden Ears Wildlife Notes, Things that go “Bump” in the Night, Enjoying Spiders, A Backyard for Birds, and Mount Seymour Tree Tour. He has contributed to many bird checklists.

Al is a contributing writer of naturalist columns to several newspapers including North Shore News and Burnaby Now, with a ten year column on Nature through the Seasons. He has contributed extensively to newsletters for naturalist clubs as well as *WINGSPAN*, Marshnotes and Wildlife Review. Al currently authors the column, “Ask Al” in the Young Naturalists’ Club NatureWILD.

Countless people have benefitted through Al’s love of sharing his nature knowledge and many thank him for serving as their mentor.

*Wild Bird Trust warmly congratulates Al on this well deserved award.*



Struan Robertson

*Naturalist Al Grass*

# View from Osprey Point with Al Grass

Summer 2010 at Osprey Point hosted a wonderful variety of things such as the mother otter and her pup. They were spotted regularly in the barge channel, just above West-coast bridge, where mom seemed to be giving junior fishing lessons.

Osprey Point serves up delicious fare for our weary senses. It is a peaceful reflective spot: soft ocean breezes, gentle lapping of waves on seaside rocks, cries of gulls and Ospreys, and butterflies that dance about sipping nectar from flowers in Danny's Garden. Mew Gulls and Caspian Terns spend a lot of time there dangling on the wind, their flight reminding me of swallows. Mew Gulls have very cute looking faces, quite the opposite of the angry looking adult Ring-billed Gulls. Ospreys always put on a fine show off Osprey Point, especially when they hover above the water and then plunge down to nab a fish.

As well as the gulls, Ospreys and other birds, I loved watching the Purple Martins as they swooped about, scooping up insects in mid-air, preparing for their long migration, a journey which will take them all the way to South America. Cedar Waxwings, those dapper 'well dressed' birds divided their time between feasting on fruits like mountain-ash, and hawkling insects by flying off tree branches. They are skilled flycatchers and often 'hawk' dragonflies and damselflies.

And speaking of insects: the field crickets (I love to hear them) were "Chirping Cheerily" by summer's end. You can actually tell the air temperature by counting their chirps. Number in 13 seconds plus 40 equals the temperature in <sup>0</sup>F (subtract 30 and divide by 2 for <sup>0</sup>C).

Flowering shrubs in Danny's Garden put on a fine display including Red-flowering Currant, Oregon Grape, Mock Orange and honeysuckle. All made excellent nectar sources for hummingbirds, butterflies and bumblebees – Osprey Point was simply "abuzz" with life.

Windrows of feathers on the beach from moulting Canada Geese offshore were a clear reminder of the progress of the seasons. Birds like martins, swallows and Osprey migrate south; while others, notably waterfowl, will soon be moving in to spend the winter here.

It is this ever changing, ever refreshing nature and peaceful quality, which for me, has always made Osprey Point a very special place. I hope that you will take some time to make a visit—just to rest a while and let nature come to you—it works!

**Al's Nature Walks—NO DOGS PLEASE!**  
(leashed or unleashed)

## WBT's BIG SIT



*Team Leader Jude Grass: Osprey Point*



*Team Leader June Ryder: Mudflats Area*



*Team Leader Rob Lyske: Otter Point*

Four enthusiast teams of birders headed out at 8 am. on Saturday, July 3rd 2010 to carry out WBT's annual BIG SIT at The Conservation Area at Maplewood Flats. Armed with binoculars, spotting scopes, cameras, a clipboard and pen, bird books, and chairs, teams headed off to count all the birds they heard and saw in their designated area over a two hour period.

The groups then met back at the covered area beside the Site Office to tell about the birds they had seen—or not seen!. A highlight was three Turkey Vultures seen feeding on a dead seal carcass along the shore. A total of 46 species was seen and a recommendation was made to add a forest site to next year's BIG SIT. Plan to join us next year on June 25<sup>th</sup> 2011 for this fun event.

### Images: Struan Robertson



*"Tallying the Count" BIG SIT 2010*



*Team Leader: Al Grass: West Pond*

# Pondering the summertime marsh mellows

by Rob Lyske

It seems the years come and go with some consistency in the wintering, migrating and nesting bird species at The Conservation Area at Maplewood Flats.

The 2010 spring was a bit quiet in comparison to the past few. The weather patterns lent only a few good days to sort through fallouts of birds passing through. I felt however that there is a gradual increase in the familiar faces looking for these seasonal offerings of avifauna. Sharing the trails and observations with other nature enthusiasts is always enlightening and enjoyable. Many days I have the trails to myself to wander and wonder, so I ponder the whereabouts of some expected "Maplewood Regulars".

Early in spring there were a few surprises with Long-billed Curlew seen on at least two occasions (in recent years an almost an annual sighting) and a group of four Whimbrel was photographed. It's always great to see large waders on the mudflats. Three Sandhill Cranes flew overhead one glorious sunny morning, certainly an early spring highlight.

On a warm spring day Allan Morris and I were admiring a few glimpses of a Chipping Sparrow and Western Tanager as we chatted along the trail towards the West Pond. It was there that an eerie silence drew my attention. It seemed so strange not to hear a Marsh Wren which usually would be busy weaving nests in the reeds. We discussed the lack of a Pied-billed Grebe or American Coot which had nested here in the past but were now so difficult to find. On a similar walk with Burt Anders we listened for the singing of Yellow Warbler or that of a Common Yellowthroat. We heard neither. On such an enjoyable day it was hard to be disappointed but we had expected these species to be nesting in the pond habitat where we usually had found them.

The summer doldrums of July waned and a few southbound birds started to turn up. I called Quentin Brown to share a very early Franklin's Gull which we admired on July 29<sup>th</sup>. Dave Huggard photographed an Anna's Hummingbird at Otter Point which was a pleasant surprise as most of the Rufous Hummingbirds had moved on by then. Kevin Bell spotted four Brant a few days later and kindly showed them to my kids and I, while we enjoyed a balmy evening walk.

August cued the shorebirds on the east side mudflats with a rising tide. The sun baked the hazy shoreline, as the windless day had captured a smoggy shroud from the interior forest fire season. There I found John Lowman crouched, camera ready with a variety of peeps teasing the tide line in front of him only meters away. The birds all suddenly took a still, defensive posture, and for good reason. Purple Martins and swallows let out alarm calls as they pursued a Peregrine Falcon overhead. A Caspian Tern later took to chasing one of the Osprey which retreated towards its mate on a nearby dolphin. A small scattering of sticks was all that remained of the nest they had lost in an earlier windstorm. In fact neither pair of Osprey had nest success on the east side. The third nest to the west corner fledged two young.

A quick stop a few days later provided Larry Dea and I close up views of two Red-necked Phalarope basking in the evening sun, adrift at the mouth of McCartney creek. Larry and I celebrated his 'lifer' sighting of this seldom seen species at Maplewood. A Semipalmated Plover huddled nearby with some Killdeer amidst an array of peeps including Western, Least, Semipalmated and Baird's Sandpipers. Greater and Lesser Yellowlegs were side by side for an excellent comparison. It seemed to me that this diversity may very well be courtesy of the looming rain forecast for the following morning.

Brian Self and June Ryder led WBT's August Maplewood Bird Survey in that very drizzle. Regular participant, Ben Clifford showed his keen senses by finding empid flycatchers on several occasions along the way. An adult Green Heron seen over the previous weeks, along with a few Mallard were all that the West Pond offered until a couple of Hooded Merganser joined a while later. Fenced in by the tall reeds and adorned with a flotilla of water plants a stillness awaited a croak of a frog or perhaps the cry of a Red-winged Blackbird but even those had moved on after nesting around the pond. Burrard Inlet however, did have some birds that one would expect to see over-wintering, but even if out of season, Surf Scoter, Barrow's Goldeneye and Red-necked Grebe were a welcome sight.

Concerns about missing common birds are perhaps no more than cyclical variation. After all, there are some unusual replacements to our monthly lists as well. Only time will tell if those absent species will return to the areas they nested in only a few years ago. Maybe they are somewhere nearby looking into new territories as the habitat at Maplewood grows and evolves. It surely gives me something to think about while I walk the trails, and something to talk about with the other regular visitors to The Conservation Area.



Struan Robertson

From left to right: Rob Lyske and Larry Dea

## Members' Only Walks 2011 with Rob Lyske

SUNDAY April 17th 2011  
and SUNDAY September 18th 2011  
10 am-noon Rain or Shine!  
Meet at WBT's Maplewood Site Office

~ around the Province with WBT Wild Bird Trust of British Columbia ~

## The Hummingbirds of British Columbia Photography Workshop at Bull River by Kobus & Carol-Ann Roos



Kobus Roos

*Male Black-chinned Hummingbird*

It was early February and the hummingbirds would be back soon. I didn't really have any good hummingbird photographs and wondered what other photographers do to get these stunning images? I started an internet search and come across John and Barbara Gerlach's website about hummingbird photography at Bull River Guest Ranch, located here in BC.

After reading their article on hummingbirds I just had to go! As I looked at the 2010 workshop dates I noticed that they had a workshop scheduled for the second week of June which conveniently coincided with our already planned holiday.

June rolled around and it was time to pack the car for the trip and we were very excited to embark on our journey. The plan was to drive to Osoyoos Saturday morning and then to go birding at Haynes Point Provincial Park in the afternoon. On Sunday we would drive to Bull River Guest Ranch which is nestled in the mountains 40 minutes drive east of Cranbrook.

John and Barbara Gerlach are professional photographers living on small farm near Yellowstone National Park and are associate editors for Nature Photographer magazine. They first heard about Bull River hummingbirds from a stu-

dent who told them about the hundreds of hummingbirds on the Guest Ranch. John investigated and since May 2003 has conducted hummingbird photography workshops on the Guest Ranch.

I can confirm that there are hundreds of hummingbirds on the Guest Ranch. If you approach the deck of the main lodge in the evening the shrubs are abuzz with hummingbirds coming and going to the feeders. Standing there in the twilight watching them feed is something words cannot begin to describe. If you patiently hold your hand out near a feeder it may become an impromptu perch for resting hummingbirds between snacks.

After Sunday evening arrival the participants all met in the Guest Lodge where everyone introduced themselves. The participants were then divided into two groups. We were eight participants of four Canon and four Nikon shooters, and were divided into two groups of two Cannon and two Nikon users each. John is a Canon user and Barbara a Nikon user but they have an abundance of knowledge in other camera systems as well.



Kobus Roos

*Male Calliope Hummingbird*

*continued on page three.....*

# the KINGFISHER Club



## Why Birds Need Trees – Alive or Dead!

**“Nature is ever waiting to unfold to us some of her treasures if we do our part, will use eyes and ears as we wander along the countryside...”**

*from Fifty-two Nature Rambles  
by W. Percival Westfell.*

Alive or dead, trees mean life. Not only for the tree itself, but for the creatures that depend on it for food and oxygen.

### **A TREE IS BORN**

Let's follow a common Red Alder through its life.

One day its small winged seeds spiraled to earth: some were eaten by birds like goldfinches and siskins, others by mice. Some seeds sprouted into tiny trees called seedlings, and after a few years the new greenery was munched on by deer and nibbled by rabbits. The seasons came and went as our little alder gained height. Red Alder is a fast growing tree and it wasn't too many years before it was four metres high. Some winters were cold and snowy; some summers were hot and dry. In about 40 years our tree reached a height of 20 metres. Every fall it shed its leaves and each spring it grew new ones.

Alders drop their leaves while they are still green, unlike a maple, which changes colour on the tree. Can you think of a reason why?

Alder trees produce small cone-like fruits containing the seeds. When the cones ripen (turn brown), birds like the Pine Siskin have a feast. Cones are the female 'flowers', males are called catkins and look like worms dangling from branches. In spring catkins release their pollen, like puffs of yellow dust. Alders, like birches and some other trees don't need insects for pollination because they use the wind.

Alder leaves are munched on by lots of insects including flea beetles, caterpillars of the inchworm (geometer), moths, swallowtail butterflies, and spotted tiger moths.

The inchworm caterpillars are favourite foods of chickadees, warblers, vireos, and other birds.

Sawfly larvae feed on leaves like alder and willow, and are often mistaken for caterpillars. Can you tell them apart? You'll need to count the prolegs (false legs) – 10 or less for caterpillar and 16 for sawfly larva – it's easy.

In the world of trees, the Red Alder is a short lived species – in 70-80 years it is a mature tree. Douglas-firs of this age are still young; they can live for hundreds of years.

Slowly our Red Alder tree lost its grip on life, but it was not the end! When it died a whole army of willing workers recycled the tree, including insects and fungi.

The Turkey Tail fungus is commonly seen on dead alders and is sometimes called the 'rainbow' fungus, because of its bands of colours (pink, grey, brown).

Pileated, Hairy and Downy Woodpeckers fed on the beetle grubs that invaded the dead tree. A common insect eaten by Lower Mainland woodpeckers is called the Rugose Stag Beetle. Holes made by the woodpecker allowed fungi to enter into the tree softening the wood, making it easier for chickadees to dig out nesting holes.

Eventually our dead Red Alder tree came crashing to the forest floor. However, its important work went on.

# the KINGFISHER Club



The Red Alder tree was still useful for woodpeckers, but now mice, voles, snails, millipedes, centipedes, salamanders, and newts made it their home. Mosses, ferns, liverworts and lichens flourished on it; it had become a 'nurse log'. It may be truly said that new things grow from the remains of the old.

And it all happened because a tiny seed fell to the ground and grew into a beautiful tree, which supported many things in both life and death.

## Wild Bird Trust at The Conservation Area at Maplewood Flats has a Wildlife Plant Nursery.

Please contact Kevin Bell (604 980 9085)  
or leave him a message at WBT's Conservation Area at  
Maplewood Flats Site Office 604 903 4471.

Kevin is WBT's Wildlife Plant Nursery Manager  
and Nurseryman, he will advise you on cost (by donation),  
available stock and "what to plant where, when, how and why".

**Text by Al Grass**  
the KINGFISHER club logo  
was designed  
by Richard Smith



Ernie Kennedy

*From left to right: Kevin Bell and Patricia M. Banning-Lover  
help Jack Gin with his plant order at  
The Conservation Area Wildlife Plant Nursery, Summer 2010*

## The Hummingbirds of British Columbia Photography Workshop at Bull River continued from page one ....

Monday morning was spent on introducing the group to multiple flash techniques and aspects of natural light photography. As John explained the more technical aspects he is now so familiar with he shared "it took me three years to figure this out!". Five multiple flash stations were set up for the participants, with feeders, flashes and flowers as well as natural light setups. Please note the use of the plural "feeders", there are always extra feeders around the setup so that no bird will be denied the opportunity to feed.

The welfare of the birds is always first. All photography is balanced around that. Shooting times are so adjusted that the birds have time to feed in the morning before shooting commences. Early to mid afternoon is a break for feeding and then there is another shooting session in the early evening before the birds retire. This strategy works well as can be seen by the abundance of the birds coming back to the feeders.

When the weather is warm and the sun is shining the birds dwindle from the feeding stations to feed from the abundance of natural resources, but are always quick to stop by for a snack. This can be seen when you review your pictures, seeing all the yellow pollen-laden bills.

The opportunities at the photographic stations are great and during a busy session you can easily shoot 300-500 pictures in a 90 minute session. You rotate between the setups with each setup different from the other and all stations are altered every morning. On one day the first group will have four sessions and the second three, the next day it is reversed so that the second group will have four sessions. If you are not shooting at a multiple flash station you could use one of the natural light setups or photograph the birds in the shrubs or at the main deck. The main deck especially can produce stunning in-flight or perched hummingbird photographs.

*continued on page four.....*

## WINGBEATS - AROUND THE PROVINCE *with* WBT WILD BIRD TRUST OF BRITISH COLUMBIA

As for assistance, John and Barbara are always around to answer any questions and assist you in any way. The first few sessions they come around at the beginning of the session to check that your camera is set up properly, flashes are working and your exposure etc. is correct. After that they encourage you to set up on your own, but are always quick to assist in any way as they come by at the beginning of and during each of your photographic sessions. Help is always just a call away.

For camera equipment, you do not require any special long lenses as you can get quite close to the birds, any lens from 200mm up will do, the only requirement is that your camera must have a PC socket. Take lots of memory cards! The afternoon breaks are used for theoretical discussion of different topics and the viewing of John and Barbara's and the participants' photos. These discussions are always conducted in relaxed atmosphere and are very informative.

Bull River Guest Ranch is also part of a hummingbird banding and research program with a bander who comes around once a week during a certain period. The birds are trapped, measured, banded, their fat contents checked, allowed to feed and then released. Some of the birds are so relaxed that on being released they will just sit on her hand and must be coaxed to fly by gently blowing on them. I was quite amazed at her competency as at the slightest sign of discomfort the bird would be released. Again the motto of "the bird comes first at all times" is prevalent.

Hummingbirds are not the only photogenic subjects at Bull River Guest Ranch. As soon as Greg or any of the employees spot wildlife they contact the ranch and this information is then immediately relayed to the guests. During our stay we were informed of Big Horn Sheep as well as a mother Black Bear with two cubs.

The main Guest Lodge is the gathering place for all meals during the workshop and where you also meet the ranch hosts, Greg Koch and Gina Rogers. Chef CJ is an excellent gourmet chef and the food is well presented. During our initial research on the workshop we came across a former participant's website, where he mentions being to the workshop four times and that he will go back just for CJ's food. I can certainly attest to that!

The ranch sports a variety of domestic and wild animals and an abundance of birds. There are horses, a small petting zoo with pigs,

goats, chickens and a beautiful peacock that likes to strut around showing off. The cabins are big and comfortable with an open kitchen/lounge, a bedroom and private bathroom. As an added touch of comfort there is heated flooring in both the bathroom and kitchen. Amenities such as hot tubs are available and spa services can be arranged.

Hiking, fishing, mountain biking and skiing are other avenues to explore. The ranch also has two specialty breed bear dogs which like to go hiking with you. The wildlife that can be seen on and around the Guest Ranch include Bighorn Sheep, Grizzly and Black Bear, deer and elk. Birds we saw included Pileated Woodpecker, Pine Siskin, Osprey, Bald Eagle and of course the hummingbirds. Three species of hummingbirds can be found on the Guest Ranch, Calliope, Rufous, Black-chinned, with the possibility of a fourth species that John Gerlach has spotted but not positively identified. Horseback riding is also offered and Carol-Ann went riding for the very first time choosing Bandit, a gentle and experienced ranch horse. She quickly befriended the Gerlach's horses, Bandit, Joker and Titan nicknaming them "The Boyz".

We had quite an amazing time on the Guest Ranch and would certainly return there in the future.

For more information contact:

Bull River Guest Ranch: <http://www.bullriverguestranch.com>

John & Barbara Gerlach: <http://www.gerlachnaturephoto.com>

*Kobus and Carol-Ann Roos are long-time WBT members and volunteers.*



*Male Rufous Hummingbird*

Kobus Roos

**Volunteer Opportunities—no experience necessary—we train!**

**Maplewood Site Office Reception (contact Patricia 604 922 1550)**

*Shifts: Weekends 10 am-1pm & 1pm-4pm, Tuesdays & Thursdays 10 am-2pm.*

**Gardening, Field Work and Trails**

**(contact MCA Manager Ernie Kennedy 778 881 5300)**

*By arrangement with MCA Manager and on Volunteer Day (third Saturday of each month), To avoid damaging sensitive areas all outside volunteer work on the property is designated and supervised by MCA Manager Ernie Kennedy.*



Struan Robertson

**WBT Volunteers are required to fill in an Application Form and sign a WBT Waiver of Liability before commencement of work.**

**Thank You Very Much  
Lea and Struan**

*Volunteers Lea Haggert and Struan Robertson purchased a very comfortable new office chair and donated it to WBT for our Site Office at The Conservation Area at Maplewood Flats.*



Struan Robertson

*Left to right: Conservation Area Manager Ernie Kennedy and WBT Volunteer Brendan O'Leary*

**Give Wildlife a Chance!**

***join* WBT Wild Bird Trust of British Columbia**

**(a tax receipt will be issued for membership fees and donations)**

- Single Membership:  \$20 per year  \$40 for 2 years
- Family Membership:  \$25 per year  \$50 for 2 years      number in family \_\_\_\_\_
- LIFE Membership:  \$500
- Donation:  Nature House/Operations  General

TOTAL: \$ \_\_\_\_\_ Visa# \_\_\_\_\_ Expiry Date: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Postal Code: \_\_\_\_\_ e-mail: \_\_\_\_\_ Telephone: \_\_\_\_\_

Are you interested in volunteering—no experience necessary—we train!

YES  Reception:  Outside Work:

Please made cheque payable to:

**WBT WILD BIRD TRUST OF BRITISH COLUMBIA**

124-1489 Marine Drive, West Vancouver, B.C. V7T 1B8

**Membership Office & Administration: Telephone/FAX: 604 929 2872 wbtoffice@telus.net**

# GET INVOLVED with Bird Monitoring and Stewardship Activities at English Bay-Burrard Inlet —AN IMPORTANT BIRD AREA by Krista Englund

*As most Wild Bird Trust of British Columbia members know, The Conservation Area at Maplewood Flats is a Mecca for birds. What many members may not know is that the Conservation Area is centrally located within a much larger coastal area that is recognized internationally for its importance to birds - the English Bay-Burrard Inlet Important Bird Area.*

For those who are not familiar with the Important Bird Area (IBA) program, which is coordinated by BirdLife International - it aims to identify, conserve and monitor essential bird habitats around the world. Canada joined the network in the 1980's and since then, nearly 600 Canadian sites that meet the stringent scientific criteria have been designated as IBAs (see [www.ibacanada.com](http://www.ibacanada.com) for more details of the program and sites). Our Canadian sites are complemented by 11,000 sites spread across nearly 200 countries worldwide (as of 2009).

Now that sites have been identified in Canada, the program's focus has shifted to monitoring and conserving these essential bird habitats. In this province, BC Nature (the Federation of BC Naturalists) works closely with Canadian BirdLife partners Bird Studies Canada and Nature Canada to coordinate monitoring and conservation efforts. Monitoring and conserving BC's 84 IBAs is no small task. Adapting a model proven to be successful in Denmark, Cambodia, Tanzania and Mexico, the BC IBA partners initiated a volunteer-based Caretaker Network in 2007. Birders, naturalists and other knowledgeable volunteers have now been matched with over 90% of BC's IBAs. Caretakers act as "eyes, ears and hands" on the ground, watching for changes in bird population levels or conservation threats.

In locations where IBAs are small (e.g., an island seabird breeding colony or a lake), Caretaker activities can be easily managed by a single individual or a small group of people. However, 'caretaking' large, complex IBAs like English Bay-Burrard Inlet requires a coordinated effort by several individuals and/or groups. I am very fortunate to be part of a dedicated Caretaking team for English Bay-Burrard Inlet IBA comprised of June Ryder of Nature Vancouver, Patricia Banning-Lover of Wild Bird Trust and Robyn Worcester of the Stanley Park Ecology Society.

As Caretakers, our primary duties are to monitor bird populations, habitat and conservation threats, work towards greater local awareness of the importance of the area for birds, and participate in conservation and stewardship activities within the IBA. Unfortunately, even with four Caretakers and numerous other volunteers, our efforts only cover a small portion of the IBA.

For example, June and I lead monthly Coastal Waterbird Surveys from September to April each year in Kitsilano and Port Moody, respectively. Together with other volunteers who participate in this Bird Studies Canada citizen science monitoring program, we are currently monitoring only half of the 40 Coastal Waterbird Survey stations within English Bay-Burrard Inlet IBA (see map on our website).

The data from these monthly bird counts are invaluable for warning us of possible long term population changes of coastal waterbirds within the IBA. We thank all the volunteers who have collected bird data and encourage other birders and naturalists to participate in the Coastal Waterbird Survey or other monitoring and conservation efforts within the IBA.

Here are some ways you could become involved:

**Learn about** BC's birds or improve your identification skills by attending a guided walk at The Conservation Area at Maplewood Flats (see [www.wildbirdtrust.org](http://www.wildbirdtrust.org)), the Stanley Park Ecology Society (see [www.stanleyparkecology.ca](http://www.stanleyparkecology.ca)) or one hosted by a local naturalist group (see [www.bcnature.ca](http://www.bcnature.ca)).

**Sign up** to be the Coastal Waterbird Survey monitor for one of the stations in English Bay-Burrard Inlet IBA that is currently not being monitored (see map on website and visit <http://www.bsc-eoc.org/volunteer/bccws/> or email [BCprograms@birdscanada.org](mailto:BCprograms@birdscanada.org)).

**Participate in** other BSC bird monitoring programs, such as the beached bird survey, which improves our understanding of the causes and patterns of seabird mortality and provides an early warning system for oil spills and other events that could affect seabirds.

**Make notes**—if you live or travel within the IBA, particularly by boat, note your bird observations and submit them to an online database such as [eBird.org](http://eBird.org) so that your observations can be used in long term analyses.

**Contact** Patricia Banning-Lover (604 922 1550) at Wild Bird Trust of British Columbia for volunteer opportunities at The Conservation Area at Maplewood Flats.

**Enquire** about volunteer opportunities at the Stanley Park Ecology Society (see [www.stanleyparkecology.ca](http://www.stanleyparkecology.ca) or contact [vols@stanleyparkecology.ca](mailto:vols@stanleyparkecology.ca) or 604-681-7099).

Help inform others about the importance of this area for birds and advocate for its protection - either through conversations or by including information about the IBA in written materials, newsletter articles, on websites, signs, etc.

Anyone interested in participating in the IBA program, or for more information on the IBA Program, please visit: [www.bcnature.ca](http://www.bcnature.ca) [www.ibacanada.ca](http://www.ibacanada.ca)

or contact:

Krista Englund, BC Nature IBA Caretaker Coordinator  
[kenglund@alumni.sfu.ca](mailto:kenglund@alumni.sfu.ca) or 604 468 8658

# Where does Wild Bird Trust's Data go and how does it contribute to the Big Picture?

*As WBT's Co-Founder/CEO I am asked this question several times a year as unfortunately many myths and legends surround data compilation and access.*

*After the initial years of inventory at The Conservation Area at Maplewood Flats came the ongoing task of monitoring. We are very fortunate to have committed Wild Bird Trust Volunteers and members who care so much about the property and its wildlife that they regularly contribute their valuable time. Bonnie Hawkes is the producer of WBT's Conservation Area Checklist. June Ryder is WBT's Purple Martin Monitoring Coordinator—here is what they have to say about how Wild Bird Trust manages—and shares—its data.*

**Bonnie Hawkes** .... I enter all the data into eBird, which is an on-line data base housed on servers at the Cornell Ornithology Laboratory at Cornell University, Ithaca, New York. It was launched in 2002 by the Cornell Ornithology Lab and National Audubon Society.

Several years ago, the project worked with Bird Studies Canada to establish a Canadian portal to the data-base. All recorded Conservation Area data, either during the monthly bird surveys, nature walks, the BIG SIT, and daily observations which are reported and written in the daily log book, is entered into our database in eBird.

Data is most useful when it is recorded at the level of detail in which it is collected. It can always be combined and added together if required to provide more generalized information. But the reverse can not be done if the detail is not preserved. Therefore, the data base contains multiple sites within the Maplewood heading: Maplewood 01, Maplewood 02, etc., through to Maplewood 25. These correspond with the numbered sites around the property used for the monthly surveys. Positions are now recorded using Google Earth map coordinates. Maplewood 00 is used to report the sightings that are not recorded during WBT's monthly surveys as the location of these sightings is not usually mentioned.

To protect the integrity of the data, only those with the password can enter data. The researchers at Cornell University also have access, which provides them with an ever-enlarging source of reliable information about bird abundance and distribution in North America. Various reports are available on line as part of the eBird software, and it is possible to download our specific data-base in its entirety any time we wish, free of charge. Downloading the data provides the opportunity to examine it in any way one wishes in addition to the preset reports available on line.

WBT's Maplewood data is used to support the Conservation Area's checklist, though some sightings from the original checklist remain unsupported by currently archived records.

**June Ryder** .... Each summer at Maplewood we monitor the Purple Martin colony at The Conservation Area at Maplewood Flats. We do this by observing the martins out on the mudflats and recording behaviour that indicates the presence of a nest with eggs or chicks, such as adult birds carrying food into a nest box or a chick visible in the box entrance. Then, when the nest boxes are brought in for the winter, we examine their contents to find out which boxes contained a martin nest.

These two kinds of data allow us to estimate the number of breeding pairs of Purple Martins that are hosted by the Conservation Area each year. This, in turn, lets us identify year to year changes and longer-term fluctuations or trends in the local martin population. Information is forwarded to the BC Purple Martin Stewardship and Recovery Program, where data for all martin colonies around the Strait of Georgia are collated and analysed.

Monitoring and inventory are essential parts of any conservation project, that is, any program aimed at maintaining biodiversity, sustainability, and the quality of our environment. Essentially, inventory is a snapshot in time, most simply, a list of the items that are present, while monitoring determines how the number or quality of the items changes the course of time.

Wild Bird Trust's inventory and monitoring programs tell us what is present and what is happening in The Conservation Area, and assist in the planning of ways to improve or maintain the habitat and wildlife. We also share the data with other organizations that have similar concerns.

## How to get a copy of our Maplewood Checklist?

### The Conservation Area at Maplewood Flats Bird Checklist (March 2010)

compiled and produced for Wild Bird Trust of British Columbia by WBT's Bonnie Hawkes  
may be downloaded from our website [www.wildbirdtrust.org](http://www.wildbirdtrust.org)  
or purchased from our Maplewood Site Office.

**Checklists are free for WBT Members.**

# FREE WILD BIRD TRUST NATURE WALKS 2011

with **Legendary Lower Mainland Naturalist Al Grass**

**PLEASE NOTE:** in order to maximize the enjoyment of all nature walk participants we welcome group bookings for children and youth under a separate arrangement, please call 604 929 2872 for details and reservations

**JANUARY 8th—MORE THAN MUD!!** Why are tidal flats critical habitats for wildlife?

**FEBRUARY 12th—DUCK TAILS** Dabblers and Divers at their best

**MARCH 12th—WHAT'S FOR DINNER** Maplewood's raptors

**APRIL 9th—A LONG JOURNEY** Miracle of migration—celebrate the arrival of spring birds

**MAY 14th—A SYMPHONY OF SONG** Enjoy the Conservation Area's birds and their music

**JUNE 11th—OSPREYS AND MARTINS** They are back! - and many other birds too

**JULY 9th—SALT MARSH SECRETS** The Conservation Area at Maplewood Flats hosts the premier example of salt marsh in Burrard Inlet. A rare supervised opportunity to appreciate this important inter-tidal ecosystem.

**AUGUST 13th—ALL ABOUT HABITAT** Understanding habitat

**SEPTEMBER 10th—AUTUMN** Fall migration and Maplewood's birds

**OCTOBER 8th—FRESH AND FROSTY (THANKSGIVING WEEKEND)** Birds begin to prepare for the challenges of winter

**NOVEMBER 12th—WOODLAND WONDERS** Maplewood's forests live with the help of beetles, woodpeckers, and fungi

**DECEMBER 10th—HOME FOR THE HOLIDAYS** A winter's day at Maplewood is always full of wonderful surprises

## SPECIAL EVENTS FOR 2011

**Saturday, MAY 14th meet at 6 am for the "Dawn Chorus" with Rob Lyske**

Early morning at Maplewood is full of bird songs and calls - an experience that should not be missed.

Meet at double gates just before the entrance (travelling east) to The Conservation Area at 2645 Dollarton Highway, North Vancouver.

**Saturday, JUNE 25th 8—10 am "THE BIG SIT" Our version of a Big Day at Maplewood.** Please bring a chair, your own binoculars and recording material - and dress for the weather as event takes place rain or shine! Depending on our numbers we will break into teams to cover several locations: Osprey Point, Otter Point, area adjacent to the mudflats, West Pond, forested area. WBT recording forms will be provided to teams.

**New for 2011—BOTANY WALK!** details will be published in *WINGSPAN* Winter/Spring 2011

## ADDITIONAL 2011 WALKS with Al & Jude Grass, Rob Lyske

**Summer Evening Walks with Al and Jude Grass, WEDNESDAY July 27th & WEDNESDAY August 3rd 7 pm–9 pm.**

Two delightful evening opportunities to hear birds singing, observe wildflowers, perhaps see bats and swifts and possibly a mother deer and her fawn. Please park outside The Conservation Area as the gate will be closed for the evening.

**Members' Only Walks with Rob Lyske, SUNDAY, April 17th and SUNDAY, September 18th 10 am–Noon.**

Unless otherwise specified please meet at WBT's Maplewood Site Office, at 10 am  
2645 Dollarton Highway, North Vancouver (604 903 4471) — events take place Rain or Shine!

During your visit please check your watch—the gate closes automatically at 6 pm. on weekdays and 4 pm on weekends

Wheelchair accessible trails are suitable for all ages (sorry, no wheelchair accessible washroom until the Nature House is built).

**In order to protect nesting and ground resting birds PLEASE NO DOGS (leashed or unleashed!)**

## About our Front Cover

### *Sanderling Study* © Lex Alfred Hedley 2010

“To the east, about fifty yards away on a narrow strip of shoreline, a small flock of winter-plumaged Sanderling have also stopped feeding. Keeping their distance from other shorebirds, standing quietly on one leg, they dream of summer days chasing waves on hard-packed, sandy beaches”.

**Lex Alfred Hedley**

## An October “Fungi Walk” at the Conservation Area with Terry Taylor

It was a typical early fall day as the very first “Fungi Walk” took place at The Conservation Area on Sunday, October 3rd 2010.

Twenty-two pairs of sharp eyes enthusiastically looked for specimens to draw to Terry Taylor’s attention for identification—here is what was found.

*Amanita muscaria.*

Fly agaric. These were the very decayed ones under cottonwood. Mycorrhizal.

*Trametes versicolor.*

Turkey tail. Kawaratake. Zoned thin polypore. The ones we saw were old. These are used medicinally in Japan.

*Oligoporus* sp. Thick white polypore which we saw in several places. Used to be called *Tyromyces*. There are several species that look essentially the same.

*Hebeloma* sp. Poison pie. Small pale brown ones at beginning of walk. They smell like radish. Mycorrhizal.

*Inocybe* sp. Fibrecap. Small brown one with scaly cap. Mycorrhizal. Many are toxic and have muscarine.

*Mycena* sp. Small brown caps and cartilaginous stems. Grows on wood—there are many different species.

*Clitocybe* sp. The little white ones with decurrent gills.



Jan Walker

“Fungi Walk” Sunday, October 3rd 2010  
The Conservation Area at Maplewood Flats



Richard C. Beard

Terry Taylor  
at The Conservation Area at  
Maplewood Flats

*Phlebia radiata.* The bright orange flat one underneath the log. When these mature they fade to pink. They grow on alder logs.

*Grandinia* sp. The flat white one under the log. It had little projections on the surface.

*Crepidotus mollis.* It is the little pale brown mushroom without a stem. It was growing on a fallen branch, and had pale brown scales on top.

Terry’s wonderful way of explaining things in simple terms encouraged us to want to learn more about this complex subject.

# **WBT WILD BIRD TRUST OF BRITISH COLUMBIA**

calls its members to the **ANNUAL GENERAL MEETING**  
Saturday, November 27th 2010 in the Lobby and Board Room at  
Environment Canada's Pacific Environmental Science Centre  
2645 Dollarton Highway, North Vancouver  
(2km. east of 2nd Narrows Bridge)

**General Public most welcome to attend Book Sale, "Nuk Tessli Nature" presentation, Sandra Hedley presentation, and "A Visit to the Estuary" - a reading by Lex Alfred Hedley**

**12 Noon:**      **Book Sale: "A Wilderness Dweller's Cookbook" by Chris Czajkowski (Harbour Publishing) \$14.95 plus tax. (cash or cheque only please)**  
A full selection of books by Chris Czajkowski will be at her book table.

**12.30 pm.**      **Presentation: "Nuk Tessli Nature" with Chris Czajkowski (One Hour)**  
**Pacific Environmental Science Centre Board Room**

~

**2.30 pm.**      **Sandra Hedley** takes us into the world of her artist sketching and painting birds. You will see a number of Lex Alfred Hedley's images, from pencil and watercolour sketches to more complete works. Each of these relates to an encounter with birds in the wild, encounters that so define and enrich our lives. **(15 minutes)**

**"A Visit to the Estuary"- Lex Alfred Hedley** will read an extract from his manuscript. Now nearing its final draft through image and word, this first book relates his experiences with birds in nature in the Pacific Northwest over the course of one year. In this evocative extract Lex takes us into the peace and quiet of a mid-winter estuary. He describes such things as the flight of crows along a fringe of dark hedge at dawn, the arrival of a gap-tailed falcon at high tide, the turning and twisting of Dunlin over an almost empty estuary. **(15 minutes)**

~

**Annual General Meeting, Awards & Election** (*WBT members only please*)

**Opening Welcome: WBT President Geoffrey Bird**

Consideration of Financial Statements

Society Report by WBT's Chief Executive Officer Patricia M. Banning-Lover

Awards

Election of Directors

Other Business

## **Displays**

**International Wildlife Artist Lex Alfred Hedley**

**Wildlife Photographer John Lowman (display and sales)**

**Lighthouse Park Preservation Society**

Please use the nomination form if you wish to stand for election to the Board of Directors  
**NOMINATION FORMS MUST BE RECEIVED BY 5.00 pm. WEDNESDAY NOVEMBER 24TH 2010**  
at our mailing address:- 124-1489 Marine Drive, West Vancouver, BC V7T 1B8

**Nominations will not be accepted from the floor**

**Please use proxy form if you are unable to attend the meeting but would like someone who will be present to vote on your behalf.**

**A complete list of those standing for election to the Board of Directors will be available by telephoning 604 903 4471 during office hours Thursday, November 25th 2010**

## **Please note**

A family membership constitutes **one** vote. Members may only nominate or second one candidate for election.

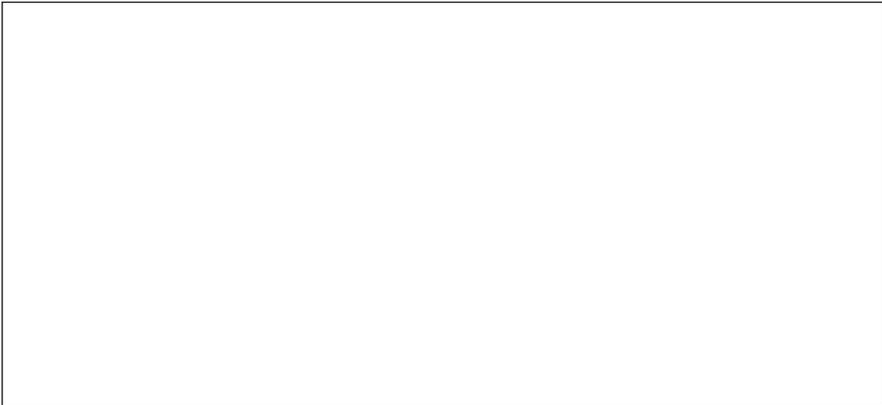
A Director may nominate or second more than one candidate for election.

**Free ample parking at the Pacific Environmental Science Centre until close of AGM.  
The event is wheelchair accessible and wheelchair accessible washrooms are available.**

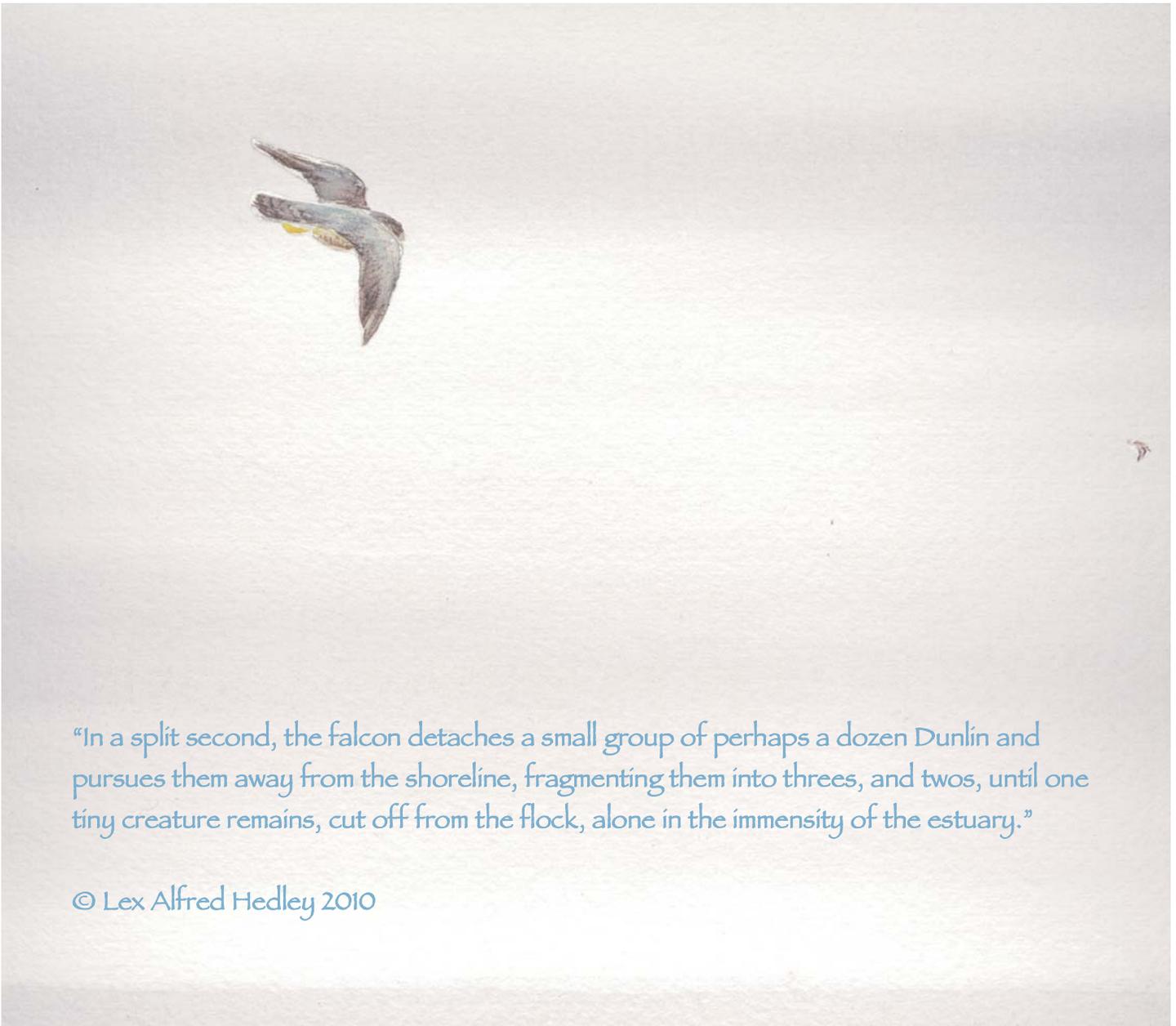
# WBT WILD BIRD TRUST OF BRITISH COLUMBIA

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“In a split second, the falcon detaches a small group of perhaps a dozen Dunlin and pursues them away from the shoreline, fragmenting them into threes, and twos, until one tiny creature remains, cut off from the flock, alone in the immensity of the estuary.”

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