



## Note from the Registrar

**Environment Canada** recently celebrated its 40th anniversary.

In this edition of the EP News, we invite you to take a look back at the **last 40 years at Environment Canada** and share an article from the *Vancouver Sun*

on **Canada's commitment to wilderness protection** and preservation.

We also talked to EP Iqbal Kalsi about his work on the **growing bed bug issue in Canada**, and how travelers can identify and eliminate the pests. Remember to review the **member discounts** available to certified EPs for travel savings before going on vacation or embarking on field work.

If you have any questions or comments, please contact us at [certification@eco.ca](mailto:certification@eco.ca). Enjoy the read!

**Elizabeth Bowman**  
Associate Registrar, ECO Canada



FORWARD TO A FRIEND



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### In This Issue

- [Canada Lags in Protecting Wilderness](#)
- [Bed Bugs a Growing Issue](#)
- [Environment Canada turns 40](#)
- [EP Member Benefits](#)
- [Regulatory Updates](#)
- [Industry News](#)
- [Featured Events](#)
- [Job Opportunities](#)

### Industry Fast Fact

**14%** of the **environmental workforce** will reach the age of retirement within the next decade, creating over **100,000** vacancies.

[Read More >>](#)

### ECO in the News

- [How Lubicon Lake is Coping with Disaster](#)  
*Environmental Expert*
- [Post Secondary Environmental Programs Gain National Accreditation](#)  
*GLOBE-Net*



## Report: Canada lags in protecting wilderness

By **Amy Chung**,  
Postmedia News

Canada has a need to protect more of its wilderness, and needs more environmental experts to do it.

OTTAWA - A **new report** shows that Canada falls behind when it comes to

protecting its wilderness.

Canada currently has 8.5 per cent, or 84.5 million hectares, of its land and freshwater allocated as permanently protected areas, while the global average sits at 13 per cent.

The report by **Global Forest Watch Canada**, entitled **Canada's Terrestrial Protected Areas Status Report 2010: Number, Area and Naturalness**, highlights the country's need to protect more area.

Co-author Ryan Cheng, says Canada currently has 3.7 per cent, or 37.5 million hectares of the land under interim protection which may or may not be permanent after a certain time.



Make

### a Difference: Become a Speaker

Looking to do some good? Help aspiring young professionals learn about the industry by joining the **ECO Speaker Program**.

Earn PD credits and bolster your resume just by sharing your experience and career path with student youth.

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### Promoting EP

"If the government made these interim areas permanent, it would increase our total average of protected land to 12 per cent," said Cheng, who took one year to write the report.

He hopes this report will make data for protected areas more accessible for non-governmental agencies and to encourage federal and provincial governments to increase protected land.

His report said that **Ontario has made significant progress**, promising to protect at least half of the northern boreal forest. Quebec has also promised to set aside at least half of the northern part of province from industrial development to protect the environment and safeguard biodiversity.

Most recently, Nova Scotia committed to raise its protected area systems from 8.6 per cent to 12 per cent, which equates to 200,000 hectares of newly protected area.

"We know that the primary reason that biodiversity continues to decline so badly is habitat loss, so protecting much more land from industrial development is key to conservation," said **Canadian Parks and Wilderness Society** national conservation director Alison Woodley.

Cheng explains there are several herds of woodland caribou near Alberta's oilsands that have seen their habitat diminish due to development.

Cheng noted that Alberta and New Brunswick had the weakest averages, showing minimal signs of progress.

According to **New Brunswick's ministry of natural resources**, they plan doubling this average to eight per cent this year.



Canada has committed to protect 17% of the world's land & inland waters by 2020.

"Protected natural areas in New Brunswick are part of 30 per cent of Crown land that is managed for conservation purposes and is managed primarily for wildlife and habitat protection. This represents 15 per cent of all the land mass in our province," said ministry spokesperson, Anne Bull Monteith in an email. She adds that government parks and private land have been set aside for wildlife and habitat protection by groups such as the **Nature Conservancy of Canada** and **Ducks Unlimited**.

In 2010, **Canada committed to protect 17 per cent** of the world's lands and inland waters by 2020 under the **International Convention on Biological Diversity**.

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**(EP)** Learn about the actions taken in July 2011 to **increase the marketplace demand** for the EP designation.

### Calling All Alumni

**Recommend your environmental program** for national accreditation.



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## Bed bugs a growing concern

**EP Iqbal Kalsi shares advice for summer travel**

The incidence of bed bugs in Canada is on the rise. Warmer winters, higher humidity rates and decreased



pesticide use, such as **DDT**, have increased the risk of the unwanted pests.

**How can you protect yourself, and reduce the spread of bed bugs when travelling this summer?** To learn about prevention and elimination, **ECO Canada** interviewed Iqbal Kalsi (**EP**), Environmental Health and Project Manager, PCB Blood Survey, Health Hazards (Toxicology & Risk Assessment), Preventative & Emergency Response, with the **Middlesex-London Health Unit** in Ontario.



Bed bugs can survive for up to a year with only one human blood meal.

Kalsi's team uses **integrated pest management** to proactively control bed bugs with education and proper mitigation measures. "We have always viewed bed bugs as a public health matter, but over the last five years we've studied the rising numbers of bed bugs, and it's gone to a phenomenal level."



Bites often occur in a linear pattern of three, known as a breakfast, lunch, dinner pattern.

He explains bed bugs are not affected by social class- anybody can have them. "It's a lifestyle issue; we travel more frequently, buy things from second-hand stores, and share and borrow with our neighbours."

Bed bugs are nocturnal insects about the size of an apple seed. Under a microscope, they are oval shaped with no wings, and are either dark or light brown depending on how much blood they've consumed. They are a nuisance because they can survive for a year with only one human blood meal.

**When travelling**, Kalsi says it is important to **conduct an assessment of the accommodations** upon arrival. "When you get to a hotel, keep on the lookout for the bugs. Check the pillows, mattress seams, and under the box spring. They could also be in the cracks of the floors, or living on shower curtains and chair cushions."

After the vacation, Kalsi suggests taking your luggage to the garage or outside, and looking through the items individually to make sure you do not bring the bugs into your home.

"Shake your clothes out, and use a flashlight to identify the bugs or their droppings. If you are worried they might be hiding in the corners or crevasses of your bag, use a hot dryer; the hot air will make them come out of their hiding places."

Since bed bugs are nocturnal, some people do not see the bugs themselves, but notice bites on their bodies afterwards. According to **bedbuginfo.ca**, most bites are initially painless and don't require medical attention, but could turn into large, itchy skin welts.

Kalsi explains the bites usually come in groups of three, and jokes that, "three bites means the bed bugs got their breakfast, lunch, and dinner."

**If bed bugs are identified in the home**, pest control professionals will need to confirm the infestation, and eliminate the bugs using pesticide treatments. "Always use licensed pesticide services. Don't just use anyone who says they know how to deal with the issue. Ask for their credentials to make sure they can get the job done right," says Kalsi.



A mattress infested with bed bugs and their eggs.

*For more information on identification, prevention, and what to do if bed bugs come home, check out **bedbuginfo.ca**, or call your local public health unit. Photo credit: [www.bedbuginfo.com](http://www.bedbuginfo.com).*



Environment Canada has helped lead environmental preservation efforts for 40 years.

## Environment Canada Celebrates 40th Birthday

Since June 11, 1971, **Environment Canada** has implemented the Government of Canada's environmental agenda by **protecting** the environment, conserving the country's natural heritage, and providing **weather** and **meteorological information** to keep Canadians informed and safe.

Take a look back on the last 40 years:

**Environment Canada: The Early Years** - With some services dating back as early as 1871, Canada was only the second country in the world with an environmental department at the time of its creation (France was the first). **More >>**

**Environment Canada: The Last 20 Years** - Over the past two decades, Environment Canada has taken action on a host of fronts, including being the first country to issue a daily nationwide UV index - a move which was adopted by some 30 countries worldwide. **More >>**

## Savings on Summer Travel: EP Member Benefits

Leaving town for field work or summer vacation? Be sure to review the [Member Benefits](#) offered to [certified EPs and EPTs](#). You will find discounts to make the trip more economical whether you are taking flight or hitting the road.

Access the discount codes or coupons by logging into your [certified members' account](#) and clicking the "Member Services" tab.



### Travel, sportswear, automotive products and more:

- Save **15%-30%** off stays at [Choice Hotel](#) properties (290 hotels open coast to coast under the Comfort, Comfort Suites, Quality, Sleep Inn, Clarion, Econo Lodge, Rodeway Inn, MainStay Suites and Suburban Extended Stay brands) and take advantage of the "[Stay Two Separate Times, Earn One Night Free](#)" promotion!
- Take **15%** off regular [Park 'N Fly](#) rates
- Receive the best rates from [Enterprise](#) and [National](#) rental cars
- Use [Volo](#), the one-stop booking tool that offers the best rates on hotels, flights, and travel packages - includes **5%** off WestJet Flights
- Purchase outdoor gear at [Marks Work Wearhouse](#) and receive **15%** off
- Service your vehicle at [Blaskin & Lane](#) and receive **2 for 1** oil changes and **\$50** off on tire products

Certified EPs receive exclusive summer discounts.

### Additional benefits include:

- **COMING SOON** - [National Post](#) subscriptions for **75%** off regular retail price
- Access to a **66%** discount on Errors & Omissions (E&O) and Commercial General Liability Insurance. Receive savings on coverage you need as a practicing professional - great for the individual and an organization! Provided by [Encon](#) and brokered by [Purves Redmond](#) (for full fledged EPs)
- Savings of **10%**, and up to **30%** in select provinces, on Home and Auto insurance administered by [Purves Redmond](#) and underwritten through Traders General Insurance Company (available for EPs and EPTs)
- Receive **35%** off an annual subscription to [Science Magazine](#), or online access for only \$99USD/year

## Regional Chapter News - July 2011

Be sure to check back in August for the [next EP Event schedule](#). Chapter activities have slowed down for the summer and will resume in the fall. Click on your province below for contact information and to learn about the most recent [chapter activities](#).

[British Columbia](#) | [Alberta](#) | [Saskatchewan](#) | [Manitoba](#) | [Ontario](#)  
| [Quebec](#) | [Atlantic](#)

## Regulatory Updates

**ON:** [New amendments to O. Reg. 455/09 will be in effect July 1, 2011](#)

[Canada's environment minister announces start date for biodiesel requirement](#)

**BC:** [Public comments sought for old growth management areas](#)

**NB:** [Province announces stronger requirements for natural gas development](#)

**AB:** [Environmental monitoring panel submits report](#)

## Industry News

[Carbon-neutral BC: A first for North America](#)

[Number of countries using wind energy is growing rapidly](#)

[San Francisco leads in environmental sustainability - Vancouver places second](#)

[NASA data says Canadian lakes are warming, fast](#)

[Volumes surge in European emissions market](#)

[First on the grid - Canada's first shared electric car plug-in opens](#)

[Biofuels may be harvested from the sea](#)

[Training is critical for new managers in environmental consulting firms](#)

[50 percent biofuels now allowed in Jet Fuel](#)

## Featured Events & Conferences

### [Environmental, Municipal Infrastructure and Sustainability Project Management Planning Workshop](#)

July 27-28, 2011 - Toronto, ON

\*ECO Members save \$100. Mention 'ECO Canada' when booking to receive your discount. \*

### [International Conference on Environmental Pollution and Remediation \(ICEPR '11\)](#)

August 17-19, 2011 - Ottawa, ON

### [Ecocity World Summit 2011](#)

August 22-26, 2011 - Montréal, QC

### [Sustainable Chemistry Summit](#)

September 16-18, 2011 - Kingston, ON

### [North American Conference on Ozone and Ultraviolet Technologies](#)

September 19-21, 2011 - Toronto, ON

### [Nova Scotia Feed-in Tariff Forum](#)

September 21-22, 2011 - Halifax, NS

### [The 5th Annual Overview of Environmental Legislation](#)

September 21, 2011 - London, ON

\*Enter the ECO Canada discount code 'partnerrate' for a special rate!\*

### [BioFuels International Expo & Conference](#)

October 3-4, 2011 - Calgary, AB

### [Sustaining Building, Landscapes & Communities](#)

October 11-16, 2011 - Victoria, BC

### [RemTech 2011](#)

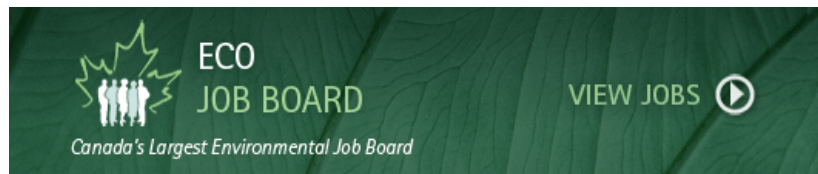
October 19, 2011 - Banff, AB

### [International Sites and Spills Expo](#)

Nov 2, 2011 - Toronto, ON

### [Canadian Waste & Recycling Expo](#)

Nov 9, 2011 - Montréal, QC



[View all jobs](#) | [Post a job](#)

Here are some of the jobs posted this month:



#### [Environmental Advisor](#)

Calgary, AB

Deadline: July 28, 2011



#### [Environmental Scientist/EIA Specialist](#)

Vancouver, BC

Thursday, August 04, 2011



#### [Junior Energy Consultant](#)

Ottawa, ON

Friday, August 05, 2011

For full details on the above positions and many more, visit the [ECO Job Board](#).

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