

The boreal forest, a region that makes up over half of Canada, is the home of many symbols of our national identity. Natural splendour abounds in this area, home to spruce trees, beavers and a sky full of songbirds. The boreal forest has sustained First Nations' cultures for generations. The boreal's rivers were Canada's first transportation network, and

the landscapes of this area have inspired generations of Canadian artists, writers and musicians.

We carry symbols of the boreal forest in our pockets everyday: caribou on our quarters, and the common loon on our loonies. Unfortunately logging, oil and gas exploration, and other industrial activities threaten this forest, which stretch-

es from the

Yukon and British Columbia to Newfoundland and Labrador.

Scientists studying the boreal forest have discovered a canary in the coal mine: they've found that the numbers of many bird species that breed in Canada's boreal forest are declining at a rapid rate. Populations of species such as Rusty Blackbirds, Canada Warblers and Evening Grosbeaks have

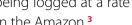
recent study found that services like tourism, water filtration and the natural carbon storing function of Canada's boreal forest are worth 13.8 times more than the combined value of all resource extraction4. Only 6% of Canada's boreal forest is permanently protected. In comparison, about a third of the Amazon is in protected areas.5,6

have signed petitions asking the Canadian government to protect 50% of the boreal forest.²

Bird watching is one of Canada's most popular recreational activities. In 2009, tens of thousands of North Americans participated in the Great Backyard Bird Count, recording over 11 million birds of 619 species in just 3 days. This interest in protecting birds

> and their habitat could also be a crucial factor in combating the global climate crisis; boreal forests contain more carbon than the Amazon rainforest, and in eastern Saskatchewan and western Manitoba the boreal forest is being logged at a rate faster than the Amazon.3

> > ... continues on page 4



OF THE NORTH cientists have been working for decades to understand

THE AMAZON

the reasons for the decline in boreal bird populations. In the process they stumbled upon one of the most important scientific discoveries of modern times: the boreal forest has a central role in regulating the earth's climate. The world's boreal forests are the largest terrestrial storehouses of potentially climate altering carbon on the planet.7

If left intact, the boreal forest would continue to absorb carbon from the atmosphere. However, when the boreal forest is destroyed or damaged, carbon is released into the atmosphere. The carbon stored in our boreal region is equivalent to more than 900 years of Canada's total greenhouse gas emissions.8 Protecting our boreal forest is essential to confront the climate crisis.

Top: Clearwater wilderness adjacent to Alberta

Bottom: Pine Grosbeak (wiznoth), Northern Oriole (jessi.bryan). Used under creative commons



hold a special place in

our hearts, and people around the planet are rushing to their defense. Based on the decline in birds and other environmental factors, 1500 scientists and 60,000 citizens





New Protected Areas Needed Now continued from page 1

Ccientists have confirmed that 40 Oboreal bird species are in decline, but most birds have not been studied thoroughly enough to confirm if their populations are dropping or not.12 Scientists fear that as they learn more they will discover even more bird species in decline in the boreal forest. Meanwhile, boreal birds will continue to decline unless their habitat is protected so time is of the essence.

Some obvious culprits in falling bird populations are logging, oil and gas

he Wilderness Committee has worked on boreal forest research and protection for decades. In 1992 we opened the Boreal Research Station in northern Alberta, a unique partnership with the University of Alberta to study wildlife populations in older forests. The research led to the creation of Alberta's largest provincial park, the Caribou Mountains Wildland Park. In 2009, the Wilderness Committee completed a survey of birds in Saskatchewan, Manitoba and Ontario.

exploration, tar sands extraction, and mining. About half of Canada's wood harvest comes from the boreal forest, and most of the trees are turned into toilet paper, newsprint, and junkmail catalogues.13

Tar sands extraction is also a major

threat to the boreal forest. If the tar sands are fully exploited, 149,000 km² of Alberta and Saskatchewan boreal forest could be transformed into an industrial landscape. 14 Although only a small percentage of the potential area has been developed, the scars on the Earth are already visible from

To turn the disturbing trend of declining bird populations around, at least 50% of Canada's core boreal forest must be protected. Manitoba

> has taken the step of ending logging in most of its parks, but, like Saskatchewan and Alberta, it has not committed to protecting the areas needed for the survival of boreal songbirds.

Ontario and Quebec took a big step in 2008 by agreeing to protect hundreds of thousands of square kilometers of forest.15 Unfortunately, most of this future parkland has not been determined, and many fear that the new parks will be in the Taiga zone i.e.

the northern fringe of the boreal with tiny stunted trees, permafrost and peat wetlands. The Taiga is less threatened by industry and is less critical to the survival of birds than the core area of the boreal forest.

The Wilderness Committee has







Syncrude mine in the Tar Sands (Chris Evans; The Pembina Institute), Smokestacks spew emissions from Tar Sands processing (S. Jocz), Logging of Dancing Point in Manitoba (Eric Reder

identified a 1.5 million km² Bird Nursery Conservation Area in the part of the boreal forest most threatened by industry and critical to nesting birds. 16 At least half of each forest ecosystem in this area should be permanently protected, including the larger trees that many birds depend on. Governments should also focus on better land use planning throughout Canada's boreal forest, and get consent from First Nations communities before permitting new industrial development in their territories.

Other groups working on this issue

Boreal Songbird Initiative; Boreal Songbird Network; Save Our Boreal Birds; Boreal Information Centre; BirdLife International; Nature Canada; American Bird Conservancy; Ducks Unlimited; National Wildlife Federation; Audubon: Defenders of Wildlife: Environment for the America's; Canadian Boreal Initiative; Greenpeace; ForestEthics; NRDC; Pembina Institute; CPAWS; Sierra Club of Canada; Sierra Club USA; Ontario Nature; Nature Quebec; BC Nature; Federation of Alberta Naturalists; Natural History Society of Newfoundland and Labrador; Manitoba Naturalists Society; Nature Saskatchewan; Guyra Paraguay; Aves and Conservation; SAVE Brasil; Falklands Conservation; Aves Uruguay; Aves Argentinas

Resources

The Canadian Boreal Initiative website includes a collection of maps of Canada's boreal region and other resources

www.borealcanada.ca/research-e.php

Most boreal trees get turned into pulp for toilet paper, newsprint and catalogue paper. To remove your name from junk-mail and catalogue distributors see

reddotcampaign.ca

Participate in a bird study project: Bird Studies Canada helps organize many bird studies for ordinary citizens including the Breeding Bird Survey, Christmas Bird Count, Great Backyard Bird Count, and more.

www.bsc-eoc.org

The law of the land: Amnesty International Canada's position on the conflict over logging at Grassy Narrows in northwestern Ontario.

www.amnesty.ca/amnestynews/upload/ grassynarrows0907.pdf

Sign the Save our Boreal Birds petition at saveourborealbirds.org/sign.html

Citations

¹Boreal Songbird Initiative (2009) Boreal Bird Declines and Human Disturbances. www.borealbirds.org/SOBB-Materials, Bird Declines Fact Sheet-BSI.pdf

²CBC (May 12, 2009) Songbird decline shows need to protect boreal forest, environmentalists say. www.cbc.ca/technology/ story/2009/05/12/songbirds-boreal-forest-protect-ontario

of Forest to Agriculture in the Boreal Plains of Saskatchewan Conservation Biology; Canada's Boreal Forest: A vision for and commitment to world-leading conservation by Ducks Unlimited Canada (no date)

⁴Mark Anielski & Sara Wilson (2009) Counting Canada's Natural Capital: Assessing the real value of Canada's boreal ecosystems www.borealcanada.ca/documents/BorealBook_CCNC_09_

5Canadian Boreal Initiative (no date) About Canada's Boreal

www.borealcanada.ca/boreal-did-you-know-e.php ⁶Yale School of Forestry (2006) Model Shows Amazon Conservation Strategies Inadequate http://environment.yale edu/topics/985

See citation 5

⁸Canadian Boreal Initiative (no date) About Canada's Boreal www.borealcanada.ca/boreal-did-you-know-e.php

9http://www.birdday.org/resources/factsheetbsioverview.pdf 10 Boreal Songbird Initiative (no date) The Boreal Forest.

Bird Nursery of the North www.birdday.org/resources/ factsheetbsioverview.pdf

David S. Wilcove (2007) No way home: the decline of the world's greatest animal migrations. p 22.

¹³Canada's boreal forest: A Sierra Club of Canada Fact Sheet (no date) www.sierraclub.ca/img_upload/ af38c14d2c65b43c7910bb4fb3317aa7/boreal_fact_sheet.pdf 14 Pembina Institute (2006) Oil Sands Fever http://pubs. pembina.org/reports/OSF_Fact72.pdf

15 Montreal Gazette (July 14, 2008) Ontario moves to protect

16 For examples of boreal bird breeding ranges see Boreal Songbird Initiative (2009) Boreal Bird Declines and Human Disturbances. www.borealbirds.org/SOBB-Materials/ Bird Declines Fact Sheet-BSI.pdf

Take Action to Save Canada's Bird Nursery

Write or call your elected officials today, and tell them how you feel about protecting a representative 50% of the boreal Bird Nursery Conservation Area now.

Prime Minister Stephen Harper

80 Wellington Street Ottawa, ON, K1A 0A2 Fax: 613-941-6900 E-mail: pm@pm.gc.ca

Most importantly, write to your Premier. Visit writewild.net for your provincial government's contact information and letter writing tips.

info@wildernesscommittee.org • 1-800-661-WILD (9453) • wildernesscommittee.org

Keep it boREAL! I want to protect Canada's Bird Nursery



And return to the: Wilderness Committee 227 Abbott Street, Vancouver, BC V6B 2K7



call (604) 683-8220 in the Lower Mainland 1-800-661-9453 toll-free elsewhere in Canada

Enclosed is: \square \$25 Fed. reg. charity #11929-3009-RR0001 □\$50

□ \$100 □ Other \$

I want to become a member! Enclosed is my annual fee for a: ☐ \$35 Individual Membership \$52 Family Membership

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 $The \ Wilderness\ Committee\ is\ Canada's\ largest\ membership-based\ wilderness\ preservation\ organization.$

Credits

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