

Protecting Forests

Abstract

Approximately 7.6% of Canada's forest land is located in protected areas. Over 95% of protected forests are totally protected and the rest reflect degrees of human intervention such as logging, mining and agriculture. This map shows all the protected areas in Canada.

There are many kinds of protected areas in Canada. The International Union for Conservation of Nature (IUCN - <http://www.iucn.org/>), has established five categories of protection according to increasing degrees of human intervention permitted. These categories range from 'strictly protected', where industrial activities such as logging, mining, and agriculture are not permitted, to a degree of human intervention that does not conflict with the overall objective of conserving natural systems.

In Canada, 7.6% of forested land is found in protected areas and half of these forested lands are strictly protected. In the ecozones of the Pacific Maritime and Montane Cordillera, almost all of the protected forests are strictly protected. In the Boreal Shield ecozone, it is less than half of the protected forests that are strictly protected. In the Atlantic Maritime ecozone, it is one quarter.

Protected areas, or conservation areas, include parks, wildlife sanctuaries, wilderness reserves and other areas designated by federal, provincial and territorial governments, and are managed for conservation purposes. This map shows all the conservation areas in Canada.

Map Sources

Conservation Areas

This map layer shows the distribution of all conservation areas in Canada displayed by major groups. Source: Canadian Conservation Areas Database (CCAD). Parks Canada, Canadian Wildlife Service, Environment Canada, Canadian Council on Ecological Areas. 2000.

Forested Areas

All of Canada is classified into one of eight vegetation cover classes (for example, coniferous forest) using imagery with one kilometre resolution. Satellite imagery is from 1988-1991 period. Source: Canada-Vegetation Cover, Fifth Edition of the National Atlas of Canada. 1993.

References

Canada. Natural Resources Canada. 1998. The State of Canada's Forests. Canadian Forest Service. Ottawa

Related Web sites (1999 – 2009)

Federal Government

Communication Canada. Depository Services Program. Subject. Biological diversity
<http://dsp-psd.communication.gc.ca/Collection/FO75-3-6-2000E.pdf>
Canadian Council of Forest Ministers. Criteria and Indicators of Sustainable Forest Management in Canada. National Status 2000. (Available in PDF only)

Communication Canada. Depository Services Program. Subject. Ecology
<http://dsp-psd.communication.gc.ca/Collection/FO75-3-6-2000E.pdf>
First Priority. Progress Report on Implementation of the Recommendations of the Panel on the Ecological Integrity of Canada's National Parks. (Available in PDF only)

Environment Canada. State of the Environment Infobase. National Environmental Indicator Series 2003. Technical supplements
http://www.ec.gc.ca/soer-ree/English/Indicator_series/tech_list.cfm

Environment Canada. State of the Environment Infobase. National Environmental Indicator Series 2003. Technical supplements. Strictly Protected Forest Area in Selected Forest Ecozones
http://www.ec.gc.ca/soer-ree/English/Indicator_series/techs.cfm?tech_id=35&issue_id=9
Much of Canada's forest industry is located in four ecozones the Boreal Shield, Atlantic Maritime, Pacific Maritime, and Montane Cordillera. Since 1970 there has been an increase in the amount of strictly protected forested areas in these ecozones. The purpose of this indicator is to show the strictly protected area in each of the four forested ecozones.

Environment Canada. State of the Environment Infobase. National Environmental Indicator Series Archives. Sustaining Canada's Forests: Forest Biodiversity. Technical Supplement: Protected forest area, 1997
http://www.ec.gc.ca/soer-ree/English/Indicators/Issues/For_Bio/Tables/fbtb19_e.cfm
Protected Forest Area in the Four Main Forested Ecozones (tables), 1997

Environment Canada. State of the Environment Infobase. National Environmental Indicator Series Archives. Sustaining Canada's Forests: Forest Biodiversity. Technical Supplement: Protected forest area, 1997
http://www.ec.gc.ca/soer-ree/English/Indicators/Issues/For_Bio/Tech_Sup/fbsu11_e.cfm
Protected Forest Area in the Four Main Forested Ecozones (graphs), 1997

Environment Canada. State of the Environment Infobase. National Environmental Indicator Series Archives. Sustaining Canada's Forests: Forest Biodiversity. Technical Supplement: Protected forest area, 1997

http://www.ec.gc.ca/soer-ree/English/Indicators/Issues/For_Bio/Tech_Sup/fbsu11_e.cfm

Protected Forest Area in the Other Forested Ecozones, 1997

Environment Canada. State of the Environment Infobase. National Environmental Indicator Series Archives. Sustaining Canada's Forests: Overview

http://www.ec.gc.ca/soer-ree/English/Indicators/Issues/For_Ov/overvw_e.cfm

Canada's forests, which represent 10% of the world's forests, cover nearly half of the Canadian landscape - some 418 million hectares.

International Development Research Centre. International Model Forest Network

http://network.idrc.ca/en/ev-22891-201-1-DO_TOPIC.html

The International Model Forest Network (IMFN) is a voluntary association of partners from around the world working toward the common goal of sustainable forest management (SFM) and use.

Natural Resources Canada. Canadian Forest Service. Atlantic Forestry Centre. Old Growth Forests in Canada

<http://www.atl.cfs.nrcan.gc.ca/OG/home-e.htm>

The purpose of this symposium and workshop is to provide a forum for presentation and discussion of the science of Canadian old-growth forests.

Natural Resources Canada. Canadian Forest Service. Canada's Model Forest Program

<http://scf.rncan.gc.ca/>

Canada's Model Forest Program represents an initiative in building partnerships locally, nationally, and internationally to generate new ideas and on-the-ground solutions to sustainable forest management issues.

Natural Resources Canada. Canadian Forest Service. The Canadian Model Forest Network

<http://www.modelforest.net/cmfn/en/>

The Government of Canada, through the Canadian Forest Service, launched Canada's Model Forest Program to address the challenge of balancing the extensive range of demands that we place on our forests today, and the needs of tomorrow's generations.

Other

Forest Products Association of Canada (formerly the Canadian Pulp and Paper Association)

<http://www.fpac.ca/>

The work of the Forest Products Association of Canada (FPAC) formerly the Canadian Pulp and Paper Association, is carried out through the volunteer efforts of the CEOs and executives of the member companies.