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D.A. Leroy

Centre de foresterie du Nord
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Ressources naturelles
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Le Service canadien des forêts, Centre de foresterie du Nord, représente le gouvernement fédéral en Alberta, en Saskatchewan, au Manitoba, au Nunavut et dans les Territoires du Nord-Ouest en ce qui a trait aux recherches forestières et au transfert de technologie. Cet organisme s'intéresse surtout à la recherche en vue d'améliorer l'aménagement forestier afin que tous les Canadiens puissent en profiter aux points de vue économique, social et environnemental.

Le Centre de foresterie du Nord constitue l'un des cinq établissements du Service canadien des forêts, dont l'administration centrale est à Ottawa (Ontario).

The Canadian Forest Service's Northern Forestry Centre is responsible for fulfilling the federal role in forestry research and technology transfer in Alberta, Saskatchewan, Manitoba, Nunavut, and the Northwest Territories. The main objectives are research in support of improved forest management for the economic, social, and environmental benefit of all Canadians.

The Northern Forestry Centre is one of five centers of the Canadian Forest Service, which has its headquarters in Ottawa, Ontario.

**PUBLICATIONS DU CENTRE DE
FORESTERIE DU NORD, 1997-1999**

D.A. Leroy

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RÉSUMÉ

Ce document énumère alphabétiquement (par auteur) les publications scientifiques et techniques ainsi que les ouvrages de vulgarisation qui ont été rédigés par le personnel du Centre de foresterie du Nord ou publiés par le Centre entre 1997 et 1999. Un index des sujets est présenté pour les notices principales. On y trouve également à l'annexe une liste des rapports préparés dans le cadre des ententes fédérales-provinciales d'association en foresterie signées avec l'Alberta et les Territoires du Nord-Ouest.

ABSTRACT

Scientific, technical, and interpretive publications written by staff of the Northern Forestry Centre during 1997-99 are listed alphabetically by author. A subject index is provided for the main entries. In addition there is an appendix listing reports prepared under the federal-provincial agreements in forestry for Alberta and the Northwest Territories.

Le Centre de foresterie du Nord a produit une quantité de comptes rendus de recherches forestières depuis qu'il a ouvert ses portes en 1970. De par le passé, les bibliographies générales avaient fait état des recherches dans ce que fut l'ancienne région du Manitoba et de la Saskatchewan avant 1968 (Hildahl et al. 1968), pour les provinces des Prairies et les Territoires du Nord-Ouest de 1968 à 1979 (Dendwick et al. 1980), de 1980 à 1986 (Samoil et Turtle 1988), de 1987 à 1990 (Leroy 1991), de 1991 à 1993 (Leroy 1994), et de 1994 à 1996 (1998). Cette nouvelle bibliographie regroupe plus de 200 publications issues du personnel du Centre de foresterie du Nord et publiées entre 1997 et 1999.

Les rapports d'information, rapports spéciaux et bulletins de gestion forestière—émanant tous de publications du Centre de foresterie du Nord—en plus d'articles de journaux et de symposium ainsi que de publications diverses sont répertoriés alphabétiquement par auteur. Un index des sujets vous permet de localiser les auteurs selon les grands thèmes abordés et ce, d'une façon fort à propos. En plus, il y a une annexe qui présente les rapports qui ont été préparés dans le cadre de l'Entente d'association Canada-Alberta en foresterie et de l'Accord de coopération entre le Canada et les Territoires du Nord-Ouest en matière de foresterie.

Cette bibliographie a pour but d'aider la recherche et ne doit pas être considérée comme un catalogue pour commander les ouvrages.

Bibliographie

- Dendwick, F.M.; Stevenson, G.R.; Rentz, C.L.; Gorman, J.R., compilers. 1980. Forest research bibliography, 1968–1975, with 1976–1979 supplement (Supplement compiled by F.M. Dendwick and R.M. Waldron). Environ. Can., Can. For. Serv., North. For. Res. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-152.
- Hildahl, V.; Pratt, R.; Campbell, A. 1968. Bibliography of forest research. Can. Dep. For. Rural Dev., For. Branch, For. Res. Lab., Winnipeg, Manitoba. Liaison Serv. Note MS-L-2.
- Leroy, D.A. 1991a. Northern Forestry Centre publications, 1987–90. For. Can., Northwest Reg., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-321.
- Leroy, D.A. 1991b. Publications du Centre de foresterie du Nord, 1987–1990. For. Can., Rég. Nord-Ouest, Cent. for. Nord, Edmonton (Alberta). Rapp. inf. NOR-X-321F.
- Leroy, D.A. 1994a. Northern Forestry Centre publications, 1991–93. Nat. Resour. Can., Can. For. Serv., Northwest Reg., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-336E.
- Leroy, D.A. 1994b. Publications du Centre de foresterie du Nord, 1991–1993. Ressor. nat. Can., Serv. Can. For., Rég. Nord-Ouest, Cent. for. Nord, Edmonton (Alberta). Rapp. inf. NOR-X-336F.
- Leroy, D.A. 1998a. Northern Forestry Centre publications, 1994–96. Nat. Resour. Can., Can. For. Serv., Northwest Reg., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-354E.
- Leroy, D.A. 1998b. Publications du Centre de foresterie du Nord, 1994–1996. Ressor. nat. Can., Serv. Can. For., Rég. Nord-Ouest, Cent. for. Nord, Edmonton (Alberta). Rapp. inf. NOR-X-354F.
- Samoil, J.K.; Turtle, G.B. 1988. Northern Forestry Centre publications, 1980–86. Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-297.

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NOTA

L'exclusion de certains produits manufacturés ne signifie pas nécessairement que le ministère des Ressources naturelles les rejette, pas plus que leur mention ne sous-entend qu'il les approuve.

A

- Adamowicz, W.L.; Beckley, T.M.; Hatton MacDonald, D.; Just, L.; Luckert, M.; Murray, E.; Phillips, W. 1998. In search of forest resource values of indigenous peoples: are nonmarket valuation techniques applicable? *Soc. Nat. Resour.* 11(1):51-66.
- Adamowicz, W.L.; Boxall, P.C. 1998. Forest management and non-timber values: opportunities and challenges. Pages E95-E99 in *Proc. Tech. Pap. 79th Annu. Meet. Can. Woodl. Forum*, March 22-25, 1998, Montreal, Quebec. *Can. Pulp Pap. Assoc.*, Montreal, Quebec.
- Adamowicz, W.L.; Boxall, P.C.; Louviere, J.J.; Swait, J.; Williams, M. 1999. Stated-preference methods for valuing environmental amenities. Pages 460-479 in I.J. Bateman and K.G. Willis, eds. *Valuing environmental preferences: theory and practice of the contingent valuation method in the US, EU, and developing countries*. Oxford Univ. Press, New York, New York.
- Adamowicz, W.L.; Boxall, P.C.; Williams, M.; Louviere, J. 1998. Stated preference approaches for measuring passive use values: choice experiments and contingent valuation. *Am. J. Agric. Econ.* 80(1):64-75.
- Adamowicz, W.L.; Boxall, P.C.; Williams, M.; Louviere, J. 1999. State preference approaches for measuring passive use values: an application to woodland caribou conservation in Alberta, Canada. Pages 83-90 in C.S. Roper and A. Park, eds. *The living forest: non-market benefits of forestry*. *Proc. Int. Symp. Non-market Benefits For.*, June 24-28, 1996, Edinburgh, Scotland. The Stationery Off., London, England.
- Adamowicz, W.L.; Swait, J.; Boxall, P.C.; Louviere, J.; Williams, M. 1997. Perceptions versus objective measures of environmental quality in combined revealed and stated preference models of environmental valuation. *J. Environ. Econ. Manag.* 32(1):65-84.
- Alavalapati, J.R.R.; Adamowicz, W.L.; White, W.A. 1998. A comparison of economic impact assessment methods: the case of forestry developments in Alberta. *Can. J. For. Res.* 28(5): 711-719.
- Alavalapati, J.R.R.; White, W.A.; Patriquin, M. 1999. Economic impacts of changes in the forestry sector: a case study of the Foothills region in Alberta. *For. Chron.* 75(1):121-127.
- Alexander, M.E. 1998. Crown fire thresholds in exotic pine plantations of Australasia. Ph.D. Thesis, Aust. Natl. Univ., Canberra, Australia.
- Alexander, M.E.; Fogarty, L.G. 1997. A simple field guide for estimating the behaviour and suppression requirements of fires driven by wind coming from a constant direction in open, fully cured grasslands at low fuel moisture. N.Z. For. Res. Inst., Rotorua, New Zealand, and Natl. Rural Fire Auth., Wellington, New Zealand. Pocket Card.
- Alexander, M.E.; Stocks, B.J. 1998. Appreciation of fire behavior in boreal ecosystems: two new interpretive aids. Page 62 in T.L. Pruden and L.A. Brennan, eds. *Fire in ecosystem management: shifting the paradigm from suppression to prescription*. *Proc. 20th Tall Timbers Fire Ecol. Conf. Tall Timbers Res. Stn.*, Tallahassee, Florida.
- Alexander, M.E.; Stocks, B.J.; Wotton, B.M.; Flannigan, M.D.; Todd, J.B.; Butler, B.W.; Lanoville, R.A. 1998. The International Crown Fire Modelling experiment: an overview and progress report. Pages 20-23 in *Proc. 2nd Symp. Fire For. Meteorol.*, January 11-16, 1998, Phoenix, Arizona. *Am. Meteorol. Soc.*, Boston, Massachusetts.
- Alexander, M.E.; Stocks, B.J.; Wotton, B.M.; Lanoville, R.A. 1998. An example of multi-faceted wildland fire research: the International Crown Fire Modelling Experiment. Pages 83-112 in D.X. Viegas, ed. *Proc. 3rd Int. Conf. For. Fire Res.*, and 14th Conf. Fire For. Meteorol., November 16-20, 1998, Luso, Portugal. *Assoc. Desenvolvimento Aerodinâmica Ind.*, Coimbra, Portugal.

- Amiro, B.D. 1998. Footprint climatologies for evapotranspiration in a boreal catchment. *Agric. For. Meteorol.* 90:195–201.
- Amiro, B.D. 1999. Frontiers of environmental radioactivity. *J. Radioanal. Nucl. Chem.* 239(1):45–52.
- Amiro, B.D.; Dvornik, A.; Zhuchenko, T. 1999. Fire and radioactivity in contaminated forests. Pages 311–324 *in* I. Linkov and W.R. Schell, eds. *Contaminated forests: recent developments in risk identification and future perspectives.* Kluwer Acad., Dordrecht, The Netherlands.
- Amiro, B.D.; Greben'kov, A.; Vandenhove, H. 1999. Countermeasures and risks associated with contaminated forests. Pages 395–401 *in* I. Linkov and W.R. Schell, eds. *Contaminated forests: recent developments in risk identification and future perspectives.* Kluwer Acad., Dordrecht, The Netherlands.
- Amiro, B.D.; Ipatyev, V.A. 1999. Special overview paper on forests and Chernobyl. *J. Environ. Radioact.* 42:7–8.
- Amiro, B.D.; MacPherson, J.I.; Desjardins, R.L. 1999. BOREAS flight measurements of forest-fire effects on carbon dioxide and energy fluxes. *Agric. For. Meteorol.* 96:199–208
- Anderson, K.; Carr, R.; Benoit, R.; Desgagné, M.; Kubian, R. 1998. A test of two mesoscale meteorological models in Jasper National Park. Pages 147–150 *in* Proc. 12th Conf. Numer. Weather Predict., January 11–16, 1998, Phoenix, Arizona. Am. Meteorol. Soc., Boston, Massachusetts.
- Anderson, K.; Hirsch, K. 1998. A preparedness planning evaluation model. Pages 2269–2278 *in* D.X. Viegas, ed. Proc. 3rd Int. Conf. For. Fire Res., and 14th Conf. Fire For. Meteorol., November 16–20, 1998, Luso, Portugal. Assoc. Desenvolvimento Aerodinâmica Ind., Coimbra, Portugal. Vol. II.
- Anderson, K.; Powell, S.; Etches, M. 1998. A modified suppression response decision support system for Wood Buffalo National Park. Pages 32–37 *in* Proc. 2nd Symp. Fire For. Meteorol., January 11–16, 1998, Phoenix, Arizona. Am. Meteorol. Soc., Boston, Massachusetts.
- Apps, M.J.; Kurz, W.A.; Beukema, S.J.; Bhatti, J.S. 1999. Carbon budget of the Canadian forest product sector. *Environ. Sci. Policy* 2:25–41.
-
- Ball, W.J.; Walker, N.R. 1997. Stand development after partial cutting of mature mixed stands of white spruce and aspen in Manitoba. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-353.*
- Beckingham, J.D.; Futoransky, V.A.; Corns, I.G.W. 1999. Ecological classification of Saskatchewan's mid-boreal ecoregions using resource maps and aerial photographs. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Spec. Rep. 14.*
- Beckley, T.M. 1998a. The (f)utility of "community sustainability" in an inter-dependent world. *Ecoforestry* 13(1):34–40.
- Beckley, T.M. 1998b. The nestedness of forest dependence: a conceptual framework and empirical exploration. *Soc. Nat. Resour.* 11(2):101–120.
- Beckley, T.M.; Boxall, P.C.; Just, L.K.; Wellstead, A.M. 1999a. Forest stakeholder attitudes and values: an annotated bibliography. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-365.*
- Beckley, T.M.; Boxall, P.C.; Just, L.K.; Wellstead, A.M. 1999b. Forest stakeholder attitudes and values: selected social-science contributions. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-362.*
- Beckley, T.M.; Burkosky, T.M. 1999. Social indicator approaches to assessing and monitoring forest community sustainability. *Nat. Resour. Can.,*

B

- Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-360.
- Beckley, T.M.; Hirsch, B.H. 1997. Subsistence and non-industrial forest use in the lower Liard valley. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-352.
- Bergeron, Y.; Gauthier, S.; Carcaillet, C.; Flannigan, M.D.; Prairie, Y.; Richard, P.J.H. 1999. Variability in fire frequency and forest composition in Canada's southeastern boreal forest: a challenge for sustainable forest management. Pages 74-80 in T.S. Veeman, D.W. Smith, B.G. Purdy, F.J. Salkie, and G.A. Larkin, eds. Science and practice: sustaining the boreal forest. Proc. Sustainable For. Manag. Network Conf., February 14-17, 1999, Edmonton, Alberta. Sustainable For. Manage. Network, Univ. Alta., Edmonton, Alberta.
- Bergeron, Y.; Richard, P.J.H.; Carcaillet, C.; Gauthier, S.; Flannigan, M.D.; Prairie, Y.T. 1998. Variability in fire frequency and forest composition in Canada's southeastern boreal forest: a challenge for sustainable forest management. *Conserv. Ecol.* [on-line] 2(2): (10 pp). <<http://www.consecol.org/vol2/iss2/art6>>.
- Bhatti, J.S.; Comerford, N.B.; Johnston, C.T. 1998. Influence of oxalate and soil organic matter on sorption and desorption of phosphate onto a spodic horizon. *Soil Sci. Soc. Am. J.* 62(4):1089-1095.
- Bhatti, J.S.; Foster, N.W.; Arp, P.A. 1998. Evaluating the sustainability of forest production when jack pine stems and logging residues are used for energy production. Pages 9-15 in J. Richardson, ed. Bioenergy and boreal forest management. Proc. Workshop, September 23, 1997, Timmins, Ontario. Nat. Resour. Can., Can. For. Serv., Sci. Tech. Publ., Sci. Branch, Ottawa, Ontario.
- Bhatti, J.S.; Foster, N.W.; Oja, T.; Moayeri, M.H.; Arp, P.A. 1998. Modeling potentially sustainable biomass productivity in jack pine forest stands. *Can. J. For. Res.* 78:105-113.
- Binkley, C.S.; Apps, M.J.; Dixon, R.K.; Kauppi, P.E.; Nilsson, L.-O. 1997. Sequestering carbon in natural forests. *Crit. Rev. Environ. Sci. Technol.* 27(Spec.):S23-S45.
- Bohning, R.A.; Krayetski, B.W. 1999. Directory of secondary wood-using industries in Saskatchewan 1999. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta.
- Boxall, P.C.; Englin, J.; Watson, D.O. 1999a. An empirical examination of non-market values of wilderness recreation and their role in the industrial use of a Canadian forest. Pages 145-152 in C.S. Roper and A. Park, eds. The living forest: non-market benefits of forestry. Proc. Int. Symp. Non-market Benefits For., June 24-28, 1996, Edinburgh, Scotland. The Stationery Off., London, England.
- Boxall, P.C.; Englin, J.; Watson, D.O. 1999b. Valuing wilderness recreation: a demand systems approach in the Canadian Shield. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-361.
- Boxall, P.C.; LeFrancois, R. 1997. A survey of Alberta anglers' attitudes towards bull trout and fisheries management. Pages 45-51 in W.C. Mackay, M.K. Brewin, and M. Monita, eds. Friends Bull Trout Conf. Proc. Bull Trout Task Force, Calgary, Alberta.
- Boylen, D.M. 1998. Emerging alternative arrangements for forestry research in Canada: policy and institutional issues. Pages 291-307 in T. Enters, C.T.S. Nair, and A. Kaosa-ard, eds. Emerging institutional arrangements for forestry research. For. Res. Support Programme Asia Pac., Food Agric. Organ. U.N., Bangkok, Thailand. FORSPA Publ. 20/1998.
- Brandt, J.P. 1997. Forest health monitoring in west-central Canada in 1996. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-351.
- Brandt, J.P.; Brett, R.D.; Knowles, K.R.; Sproule, A. 1998. Distribution of severe dwarf mistletoe damage in west-central Canada. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Spec. Rep. 13.

- Brenner, J.D.; Herbster, C.; Lee, B.S.; Brackett, D.P.; Arvanitis, L.P. 1998. GIS based fire management in Florida. Pages 140–147 in Proc. 1st Int. Conf. Geospatial Inf. Agric. For., June 1–3, 1998, Lake Buena Vista, Florida. ERIM Int., Ann Arbor, Michigan. Vol. I.
- Brenner, J.D.; Suddaby, R.M.; Carr, R.J.; Lee, B.S.; Brackett, D.P.; Arvanitis, L.G. 1997. GIS based fire management in Florida [on-line]. In Proc. 17th Annu. ESRI User Conf., July 8–11, 1997, San Diego, California. ESRI, Redlands, California. <<http://www.esri.com/library/userconf/archive.html>>.
- Brewin, M.K.; Monita, D.M.A., technical coordinators. 1998. Forest-fish conference: land management practices affecting aquatic ecosystems. Proceedings of the Forest Fish Conference, Calgary, Alberta, May 1–4, 1996. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-356.
-
- Cahoon, D.R.; Stocks, B.J.; Alexander, M.E.; Baum, B.A.; Goldammer, J.G. 1999. Wildland fire detection from space: theory and application. Pages 151–169 in J.L. Innes, M. Beniston, and M.M. Verstraete, eds. Biomass burning and its inter-relationships with the climate system. Kluwer Acad., Dordrecht, The Netherlands. Adv. Glob. Change Res. Vol. III.
- Campbell, C. 1998a. Late Holocene lake sedimentology and climate change in southern Alberta, Canada. *Quat. Res.* 49:96–101.
- Campbell, C. 1998b. Postglacial evolution of a fine-grained alluvial fan in the northern Great Plains, Canada. *Palaeogeogr. Palaeoclimatol. Palaeoecol.* 139:233–249.
- Campbell, I.D. 1999. Quaternary pollen taphonomy: examples of differential redeposition and differential preservation. *Palaeogeogr. Palaeoclimatol. Palaeoecol.* 149:245–256.
- Campbell, I.D.; Campbell, C.; Apps, M.J.; Rutter, N.W.; Bush, A.B.G. 1998. Late Holocene ~1500 yr climatic periodicities and their implications. *Geology* 26(5):471–473.
- Campbell, I.D.; McDonald, K.; Flannigan, M.D.; Kringayark, J. 1999. Long-distance transport of pollen into the Arctic. *Nature* 399:29–30.
- Cárcamo, H.A.; Parkinson, D.; Volney, W.J.A. 1998. Effects of sulphur contamination on macroinvertebrates in Canadian pine forests. *Appl. Soil Ecol.* 9:459–464.
- Chakravarty, P.; Hiratsuka, Y.; Trifonov, L.S.; Ayer, W.A. 1997. Antifungal activity of derivatives of tiglic and senecioic acid against three aspen pathogens. *J. Plant Dis. Prot.* 104(3):254–259.
- Chen, J.M.; Brown, L.; Cihlar, J.; Leblanc, S.G.; Hall, R.J.; Peddle, D.; King, D.; Trofymow, J.A.; Swift, E.; Van der Sanden, J.; Pavlic, G. 1999. Validation of Canada-wide LAI/FPAR maps from satellite imagery. Pages 123–130 in Proc. 4th Int. Airborne Remote Sens. Conf. Exhib./21st Can. Symp. Remote Sens., June 21–24, 1999, Ottawa, Ontario. ERIM Int., Ann Arbor, Michigan. Vol. II.
- Chmura, G.L.; Smirnov, A.; Campbell, I.D. 1999. Pollen transport through distributaries and depositional patterns in coastal waters. *Palaeogeogr. Palaeoclimatol. Palaeoecol.* 149:257–270.
- Corns, I.G.W.; Maynard, D.G. 1998. Effects of soil compaction and chipped aspen residue on aspen regeneration and soil nutrients. *Can. J. Soil Sci.* 78:85–92.
- Crane, P.E.; Hiratsuka, Y.; Currah, R.S.; Jalkanen, R. 1998. Systematics of spruce needle rusts in the *Chrysomyxa ledi* complex. Pages 139–143 in R. Jalkanen, P.E. Crane, J.A. Walla, and T. Aalto, eds. Proc. 1st IUFRO Rusts For. Trees Work. Party Conf., August 2–7, 1998, Saariselkä, Finland. Finn. For. Res. Inst., Rovaniemi Res. Stn., Rovaniemi, Finland. Res. Pap. 712.

D

- Dahl, T.E.; Zoltai, S.C. 1997. Forested northern wetlands of North America. Pages 3–17 in C.C. Trettin, M.F. Jurgensen, D.F. Grigal, M.H. Gale, and J.A. Jeglum, eds. Northern forested wetlands: ecology and management. CRC Press, Boca Raton, Florida.
- De Franceschi, J.P. 1998. An overview of the Alberta forest sector. Pages 7–16 in P. Hakkila, M. Heino, and E. Puranen, eds. Wood fuels from conventional forestry. Proc. 3rd Annu. Workshop Act. 1.2 (Harvesting)/ Task XII/ IEA Bioenergy, October 18, 1997, Jasper, Alberta. IEA Bioenergy, Finn. For. Res. Inst., Vantaa, Finland. Res. Pap. 680.
- De Franceschi, J.P.; McIlwrick, M. 1999. Assessing remote First Nation communities for their potential to utilise biomass-fuelled heating systems. Pages 21–26 in A.T. Lowe and C.T. Smith, comps. Developing systems for integrating bioenergy into environmentally sustainable forestry. Proc. Conven. For. Syst. Bioenergy, September 7–11, 1998, Nokia, Finland. N.Z. For. Res. Inst., Rotorua, New Zealand. For. Res. Bull. 211.
- de Groot, W.J.; Thomas, P.A.; Wein, R.W. 1997. *Betula nana* L. and *Betula glandulosa* Michx. J. Ecol. 85:241–264.
- de Groot, W.J.; Wein, R.W. 1999. *Betula glandulosa* Michx. response to burning and postfire growth temperature and implications of climate change. Int. J. Wildland Fire 9(1):51–64.
- Digweed, S.C.; Spence, J.R.; Langor, D.W. 1997. Exotic birch-leafmining sawflies (Hymenoptera: Tenthredinidae) in Alberta: distributions, seasonal activities, and the potential for competition. Can. Entomol. 129:319–333.
- DuWors, E.; Villeneuve, M.; Filion, F.L.; Reid, R.; Bouchard, P.; Legg, D.; Boxall, P.C.; Williamson, T.; Bath, A.; Meis, S. 1999. The importance of nature to Canadians: survey highlights. Environ. Can., Ottawa, Ontario.

E

- Englin, J.; Boxall, P.C.; Watson, D.O. 1998. Modeling recreation demand in a Poisson system of equations: an analysis of the impact of international exchange rates. Am. J. Agric. Econ. 80(2):255–263.

F

- Ferreira, F.A.; Hiratsuka, Y.; Coelho, L.; Santiago, D.V.R. 1999. *Uromyces ipatingae* sp. nov., the telemorph of *Uredo goeldii*, a rust of *Clitoria fairchildiana* from Brazil. Fitopatol. Bras. 24(1):88–90.
- Flannigan, M.D. 1998. Ontario's climate in the 21st century. Pages 3–5 in S.J. Colombo and L.J. Buse, eds. The impacts of climate change on Ontario's forests. Ont. Minist. Nat. Resour., Ont. For. Res. Inst., Sault Ste. Marie, Ontario. For. Res. Inf. Pap. 143.
- Flannigan, M.D.; Bergeron, Y. 1998. Possible role of disturbance in shaping the northern distribution of *Pinus resinosa*. J. Veg. Sci. 9:477–482.

- Flannigan, M.D.; Bergeron, Y.; Engelmark, O.; Wotton, B.M. 1998. Future wildfire in circum-boreal forests in relation to global warming. *J. Veg. Sci.* 9:469–476.
- Flannigan, M.D.; Wotton, B.M.; Carcaillet, C.; Richard, P.; Campbell, I.D.; Bergeron, Y. 1998. Fire weather: past, present and future. Pages 113–128 in D.X. Viegas, ed. Proc. 3rd Int. Conf. For. Fire Res., and 14th Conf. Fire For. Meteorol., November 16–20, 1998, Luso, Portugal. Assoc. Desenvolvimento Aerodinâmica Ind., Coimbra, Portugal. Vol. I.
- Flannigan, M.D.; Wotton, B.M.; Richard, P.; Carcaillet, C.; Bergeron, Y. 1998. Fire weather: past, present and future. Pages 305–309 in Proc. 9th Symp. Glob. Change Stud. Namias Symp. Status Prospects Clim. Predict., January 11–16, 1998, Phoenix, Arizona. Am. Meteorol. Soc., Boston, Massachusetts.
- Flannigan, M.D.; Wotton, B.M.; Ziga, S. 1998. A study on the interpolation of fire danger using radar precipitation estimates. *Int. J. Wildland Fire* 8(4):217–225.
- Fogarty, L.G.; Alexander, M.E. 1999. A field guide for predicting grassland fire potential: derivation and use. N.Z. For. Res. Inst., Rotorua, New Zealand, and Natl. Rural Fire Auth., Wellington, New Zealand. Fire Technol. Transfer Note. 20.
- Fogarty, L.G.; Pearce, H.G.; Catchpole, W.R.; Alexander, M.E. 1998. Adoption vs. adaptation: lessons from applying the Canadian Forest Fire Danger Rating System in New Zealand. Pages 1011–1028 in D.X. Viegas, ed. Proc. 3rd Int. Conf. For. Fire Res., and 14th Conf. Fire For. Meteorol., November 16–20, 1998, Luso, Portugal. Assoc. Desenvolvimento Aerodinâmica Ind., Coimbra, Portugal.
-
- Gerylo, G.; Franklin, S.E.; Roberts, A.; Milton, E.J.; Hall, R.J. 1997. Hierarchical Alberta Vegetation Inventory (AVI) classification using aerial digital frame camera data. Pap. 4, Sess. E-7 in Proc. Int. Symp. Geomatics Era Radarsat '97/19th Can. Symp. Remote Sens., May 25–30, 1997, Ottawa, Ontario. Nat. Resour. Can., Geomatics Can., Ottawa, Ontario, and Natl. Def., Ottawa, Ontario. CD-ROM.
- Gerylo, G.; Hall, R.J.; Franklin, S.E.; Roberts, A.; Milton, E.J. 1998. Hierarchical image classification and extraction of forest species composition and crown closure from airborne multispectral images. *Can. J. Remote Sens.* 24(3):219–232.
- Globerman, S.; Nakamura, M.; Ruckman, K.; Vertinsky, I.; Williamson, T. 1999. Technological progress and competitiveness in the Canadian forest products industry. *Nat. Resour. Can., Can. For. Serv., Sci. Branch, Ottawa, Ontario.*
- Goodenough, D.G.; Bhogal, A.S.; Fournier, R.; Hall, R.J.; Iaska, H.; Leckie, D.; Luther, J.E.; Magnussen, S.; Niemann, O.; Strome, W.M. 1998. Earth Observation for Sustainable Development of forests (EOSD). Pages 57–60 in Proc. 20th Remote Sens. Symp., May 10–13, 1998, Calgary, Alberta. Can. Aeronautics Space Inst., Ottawa, Ontario.
- Greenough, J.A.; Apps, M.J.; Kurz, W.A. 1997. Influence of methodology and assumptions on reported national carbon flux inventories: an illustration from the Canadian forest sector. *Mitigation Adapt. Strategies Glob. Change* 2:267–283.

- Hall, R.J.; Franklin, S.E.; Gerylo, G.R.; Roberts, A. 1999. Estimation of crown closure and species composition from high resolution multispectral imagery. Pages 309–320 in D.A. Hill and D.G. Leckie, eds. Automated interpretation of high spatial resolution digital imagery for forestry. Proc. Int. Forum, February 10–12, 1998, Victoria, British Columbia. Nat. Resour. Can., Can. For. Serv., Pac. For. Cent., Victoria, British Columbia.
- Hall, R.J.; Gerylo, G.; Franklin, S.E. 1998. Estimation of stand volume from high resolution multispectral images. Pages 191–196 in Proc. 20th Remote Sens. Symp., May 10–13, 1998, Calgary, Alberta. Can. Aeronautics Space Inst., Ottawa, Ontario.
- Hall, R.J.; Klita, D.L. 1997. Remote sensing - GIS integration: progress towards defining a conifer understory classification system for use with Landsat TM data. Pap. 63, Sess. E-3 in Proc. Int. Symp. Geomatics Era Radarsat '97/19th Can. Symp. Remote Sens., May 25–30, 1997, Ottawa, Ontario. Nat. Resour. Can., Geomatics Can., Ottawa, Ontario, and Natl. Def., Ottawa, Ontario. CD-ROM.
- Hall, R.J.; Peddle, D.R.; Klita, D.L. 1999. Application of maximum likelihood and evidential reasoning classifiers for mapping conifer understory. Pages 163–170 in Proc. 4th Int. Airborne Remote Sens. Conf. Exhib./21st Can. Symp. Remote Sens., June 21–24, 1999, Ottawa, Ontario. ERIM Int., Ann Arbor, Michigan. Vol. II.
- Hall, R.J.; Volney, W.J.A.; Wang, Y. 1998. Using a geographic information system (GIS) to associate forest stand characteristics with top kill due to defoliation by the jack pine budworm. Can. J. For. Res. 28(9):1317–1327.
- Halliwell, D.H.; Apps, M.J. 1997a. Boreal Ecosystem-Atmosphere Study (BOREAS) biometry and auxiliary sites: locations and descriptions. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta.
- Halliwell, D.H.; Apps, M.J. 1997b. Boreal Ecosystem-Atmosphere Study (BOREAS) biometry and auxiliary sites: overstory and understory data. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta.
- Halliwell, D.H.; Apps, M.J. 1997c. Boreal Ecosystem-Atmosphere Study (BOREAS) biometry and auxiliary sites: soils and detritus data. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta.
- Hammond, H.E.J. 1997. Arthropod biodiversity from *Populus* coarse woody material in north-central Alberta: a review of taxa and collection methods. Can. Entomol. 129:1009–1033.
- Herbster, C.G.; Brenner, J.; Suddaby, R.M.; Carr, R.J.; Lee, B.S.; Arvanitis, L.G.; Brackett, D.P. 1998. Real time mesoscale modeling in support of fire weather forecasting. Pages 149–152 in Proc. 2nd Symp. Fire For. Meteorol., January 11–16, 1998, Phoenix, Arizona. Am. Meteorol. Soc., Boston, Massachusetts.
- Hillman, G.R. 1997. Effects of engineered drainage on water tables and peat subsidence in an Alberta treed fen. Pages 253–272 in C.C. Trettin, M.F. Jurgensen, D.F. Grigal, M.H. Gale, and J.A. Jeglum, eds. Northern forested wetlands: ecology and management. CRC Press, Boca Raton, Florida.
- Hillman, G.R. 1998. Flood wave attenuation by a wetland following a beaver dam failure on a second order boreal stream. Wetlands 18(1):21–34.
- Hillman, G.R.; Takyi, S.K. 1998. Response of black spruce to thinning and fertilization in a drained swamp. North. J. Appl. For. 15(2):98–105.
- Hiratsuka, Y. 1998. Cytology, taxonomy, and nomenclature of autoecious pine stem rusts. Pages 31–35 in R. Jalkanen, P.E. Crane, J.A. Walla, and T. Aalto, eds. Proc. 1st IUFRO Rusts For. Trees, Work. Party Conf., August 2–7, 1998, Saariselkä, Finland. Finn. For. Res. Inst., Rovaniemi Res. Stn., Rovaniemi, Finland. Res. Pap. 712.

- Hiratsuka, Y.; Chakravarty, P. 1999. Role of *Phialemonium curvatum* as a potential biological control agent against a blue stain fungus on aspen. *Eur. J. For. Pathol.* 29:305–310.
- Hirsch, K.G. 1998. Canadian Forest Fire Behavior Prediction (FBP) System: interactive training and reference. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta, and Alta. Environ. Prot., For. Prot. Div., Edmonton, Alberta.* CD-ROM.
- Hirsch, K.G. 1999. Canada's wildland–urban interface: challenges and solutions. *Initial Attack (Fall)*:3–5.
- Hirsch, K.G.; Corey, P.N.; Martell, D.L. 1998. Using expert judgment to model initial attack fire crew effectiveness. *For. Sci.* 44(4):539–549.
- Hirsch, K.G.; Pengelly, I. 1998. Forest fuels management in theory and practice. Pages 112–116 in C.R. Bamsey, ed. *Stand density management: planning and implementation.* Proc. Conf., November 6–7, 1997, Edmonton, Alberta. Clear Lake Ltd., Edmonton, Alberta.
- Hogg, E.H. 1997. Temporal scaling of moisture and the forest–grassland boundary in western Canada. *Agric. For. Meteorol.* 84:115–122.
- Hogg, E.H. 1999. Simulation of interannual responses of trembling aspen stands to climatic variation and insect defoliation in western Canada. *Ecol. Model.* 114:175–193.
- Hogg, E.H.; Black, T.A.; den Hartog, G.; Neumann, H.H.; Zimmermann, R.; Hurdle, P.A.; Blanken, P.D.; Nesic, Z.; Yang, P.C.; Staebler, R.M.; McDonald, K.C.; Oren, R. 1997. A comparison of sap flow and eddy fluxes of water vapor from a boreal deciduous forest. *J. Geophys. Res.* 102(D24):28,929–28,937.
- Hogg, E.H.; Hurdle, P.A. 1997. Sap flow in trembling aspen: implications for stomatal responses to vapor pressure deficit. *Tree Physiol.* 17:501–509.
- Hogg, E.H.; Schwarz, A.G. 1997. Regeneration of planted conifers across climatic moisture gradients on the Canadian prairies: implications for distribution and climate change. *J. Biogeogr.* 24:527–534.
- Hogg, E.H.; Schwarz, A.G. 1999. Tree-ring analysis of declining aspen stands in west-central Saskatchewan. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta.* Inf. Rep. NOR-X-359.
-
- Jagger, P.; White, W.; Sedjo, R. 1999. El Niño, ice storms, and the market for residential fuelwood in eastern Canada and the northeastern U.S. *Resour. For Future*, Washington, D.C. Discuss. Pap. 99-44.
- Jalkanen, R.; Crane, P.E.; Walla, J.A.; Aalto, T., eds. 1998. *Proceedings of the First IUFRO Rusts of Forest Trees Working Party Conference, August 2–7, 1998, Saariselkä, Finland.* Finn. For. Res. Inst., Rovaniemi Res. Stn., Rovaniemi, Finland. Res. Pap. 712.
- Jiang, H.; Apps, M.J.; Zhang, Y.; Peng, C.; Woodard, P.M. 1999. Modelling the spatial pattern of net primary productivity in Chinese forests. *Ecol. Model.* 122:275–288.
- Jiang, H.; Peng, C.; Apps, M.J.; Zhang, Y.; Woodard, P.M.; Wang, Z. 1999. Modelling the net primary productivity of temperate forest ecosystems in China with a GAP model. *Ecol. Model.* 122:225–238.
- Johnson, R.L.; Peddle, D.R.; Hall, R.J.; Mah, S. 1999. Spectral mixture analysis of montane forest biophysical parameters: a comparison of end-members from airborne imagery and a field spectroradiometer. Pages 107–114 in *Proc. 4th Int. Airborne Remote Sens. Conf. Exhib./21st Can. Symp. Remote Sens., June 21–24, 1999, Ottawa, Ontario.* ERIM Int., Ann Arbor, Michigan. Vol. II.

K

- Kalra, Y.P. 1998a. Canadian Forest Service's participation in check sample programs over a 25-year period. *Commun. Soil Sci. Plant Anal.* 29(11-14):1667-1684.
- Kalra, Y.P., ed. 1998b. *Handbook of reference methods for plant analysis*. CRC Press, Boca Raton, Florida.
- Kishchuk, B.; Maynard, D.G.; Curran, M. 1999. Calcareous soils. *Nat. Resour. Can., Can. For. Serv., Pac. For. Cent., Victoria, British Columbia. Technol. Transfer Note 15*.
- Klein, J.I. 1998. A plan for advanced-generation breeding of jack pine. *For. Genet.* 5(2):73-83.
- Klita, D.L.; Hall, R.J.; Cihlar, J.; Beaubien, J.; Dutchak, K.; Nesby, R.; Drieman, J.; Usher, R.; Perrott, T. 1998. A comparison between two satellite-based land cover classification programs for a boreal forest region in northwest Alberta, Canada. Pages 197-203 in *Proc. 20th Remote Sens. Symp., May 10-13, 1998, Calgary, Alberta. Can. Aeronautics Space Inst., Ottawa, Ontario*.
- Korber, D.; Beckley, T.M.; Luckert, M.; White, W. 1998. Cultural, geographical, and sectoral refinements to measures of forest industry dependence. *Can. J. For. Res.* 28(9):1380-1387.
- Kuhnke, D.H.; Watkins, W. 1999. Selecting wildlife species for integrating habitat supply models into forest management planning in Manitoba. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-357*.
- Kurz, W.A.; Apps, M.J. 1999. A 70-year retrospective analysis of carbon fluxes in the Canadian forest sector. *Ecol. Appl.* 9(2):526-547.
- Kurz, W.A.; Beukema, S.J.; Apps, M.J. 1998. Carbon budget implications of the transition from natural to managed disturbance regimes in forest landscapes. *Mitigation Adapt. Strategies Glob. Change* 2:405-421.

L

- Langor, D.W. 1998. Annotated bibliography of North and Central American species of bark weevils, *Pissodes* (Coleoptera: Curculionidae). *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-355*.
- Langor, D.W.; Situ, Y.-X.; Zhang, R. 1999. Two new species of *Pissodes* (Coleoptera: Curculionidae) from China. *Can. Entomol.* 131:593-603.
- Langor, D.W.; Sperling, F.A.H. 1997. Mitochondrial DNA sequence divergence in weevils of the *Pissodes strobi* species complex (Coleoptera: Curculionidae). *Insect Mol. Biol.* 6(3):255-265.
- Langor, D.W.; Williams, D.J.M. 1998. Life cycle and mortality of *Pissodes terminalis* (Coleoptera: Curculionidae) in lodgepole pine. *Can. Entomol.* 130(4):387-397.
- Larocque, I.; Campbell, I.D. 1998. La stratigraphie pollinique en humus de podzols. *Sustainable For. Manag. Network, Univ. Alta., Edmonton, Alberta. Work. Pap. 1998-16*.
- Lawson, B.D.; Frandsen, W.H.; Hawkes, B.C.; Dalrymple, G.N. 1997a. Probabilité d'allumage de feux couvants dans certains types d'humus de la forêt boréale. *Ressour. nat. Can., Serv. can. for., Cent. for. Nord, Edmonton (Alberta). Bull. gestion for.* 63.
- Lawson, B.D.; Frandsen, W.H.; Hawkes, B.C.; Dalrymple, G.N. 1997b. Probability of sustained smoldering ignition for some boreal forest duff types. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. For. Manag. Note 63*.

- Leroy, D.A. 1998a. Northern Forestry Centre publications, 1994–96. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-354E.
- Leroy, D.A. 1998b. Publications du Centre de foresterie du Nord, 1994-1996. Ressour. nat. Can., Serv. can. for., Cent. for. Nord, Edmonton (Alberta). Rapp. inf. NOR-X-354F.
- Li, C.; Corns, I.G.W.; Yang, R.C. 1999. Fire frequency and size distribution under natural conditions: a new hypothesis. *Landsc. Ecol.* 14:533–542.
- Li, Z.; Cihlar, J.; Moreau, L.; Huang, F.; Lee, B. 1997. Monitoring fire activities in the boreal ecosystem. *J. Geophys. Res.* 102(D24):29,611–29,624.
- Li, Z.; Moreau, L.; Cihlar, J.; Huang, F.; Lee, B. 1997. A space-borne forest fire observation system. Pap. 205, Sess. F-3 in Proc. Int. Symp. Geomatics Era Radarsat '97/19th Can. Symp. Remote Sens., May 25–30, 1997, Ottawa, Ontario. Nat. Resour. Can., Geomatics Can., Ottawa, Ontario, and Natl. Def., Ottawa, Ontario. CD-ROM.
-
- MacIsaac, D.A.; Lux, S.; Sidders, D.; Edwards, I.K. 1999. Hotchkiss River Mixedwood Timber Harvesting Study. *For. Chron.* 75(3):435–438.
- Mallett, K.I.; Maynard, D.G. 1998. The effect of *Armillaria* root disease on conifer nutrients. Pages 149–155 in *Root and butt rots of forest trees*. Proc. 9th Int. Conf. Root Butt Rots, September 1–7, 1997, Carcans, France. Inst. Natl. Rech. Agron., Paris, France. Colloq. INRA 89.
- Mallett, K.I.; Volney, W.J.A. 1999. The effect of *Armillaria* root disease on lodgepole pine tree growth. *Can. J. For. Res.* 29(2):252–259.
- Maynard, D.G. 1997. Soil nutrient dynamics in a boreal mixedwood cutover following the application of hexazinone. *Ecol. Appl.* 7(2):416–430.
- Maynard, D.G.; MacIsaac, D.A. 1998. Soil nutrient and vegetation response to patch clear-cutting of an aspen forest near Meadow Lake, Saskatchewan. *Can. J. Soil Sci.* 78:59–68.
- Maynard, D.G.; Mallett, K.I.; Myrholm, C.L. 1997. Sodium carbonate inhibits emergence and growth of greenhouse-grown white spruce. *Can. J. Soil Sci.* 77:99–105.
- McAlpine, R.S.; Hirsch, K.G. 1999. An overview of LEOPARDS: the Level of Protection Analysis System. *For. Chron.* 75(4):615–621.
- McFarlane, B.L.; Boxall, P.C. 1998. An overview and nonmarket valuation of camping in the Foothills Model Forest. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta, and Foothills Model For., Hinton, Alberta. Inf. Rep. NOR-X-358.
- McFarlane, B.L.; Boxall, P.C. 1999. Forest values and management preferences of two stakeholder groups in the Foothills Model Forest. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta, and Foothills Model For., Hinton, Alberta. Inf. Rep. NOR-X-364.
- McFarlane, B.L.; Boxall, P.C.; Adamowicz, W.L. 1999. Descriptive analysis of hunting trends in Alberta. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-366.
- McFarlane, B.L.; Boxall, P.C.; Watson, D.O. 1998. Past experience and behavioral choice among wilderness users. *J. Leisure Res.* 30(2):195–213.
- McFarlane, B.L.; Fisher, M.S.; Boxall, P.C. 1999. Camper characteristics and preferences at managed and unmanaged sites in the Foothills Model Forest. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta, and Foothills Model For., Hinton, Alberta. For. Manag. Note 64.

M

McFarlane, B.L.; Macnab, B.J. 1999. Human dimensions of the Saskatchewan Forest Habitat Project. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-367. Mallett, K.I.; Maynard, D.G. 1998a. Armillaria root disease, stand characteristics, and soil properties in young lodgepole pine. For. Ecol. Manag. 105:37-44.

Msanga, H.P. 1998. Seed germination of indigenous trees in Tanzania, including notes on seed processing, storage, and plant uses. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta.

N

Nalder, I.A.; Wein, R.W.; Alexander, M.E.; de Groot, W.J. 1997. Physical properties of dead and downed round-wood fuels in the boreal forests of Alberta and Northwest Territories. Can. J. For. Res. 27(9):1513-1517.

conference held January 27-29, 1998, in Edmonton, Alberta. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta.

Natural Resources Canada. 1998. Aboriginal entrepreneurship in forestry. Proceedings of a

Nieman, T.C. 1998. Forest Genetic Resources Information Database (FGRID) system manual. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta.

P

Parkins, J. 1999a. Contributions of sociology to forest management and policy development. For. Chron. 75(4):643-645.

Partners in Protection. 1999. FireSmart: protecting your community from wildfire. Partners in Prot., Edmonton, Alberta.

Parkins, J. 1999b. Enhancing social indicators research in a forest-dependent community. For. Chron. 75(5):771-780.

Parry, D.; Spence, J.R.; Volney, W.J.A. 1997. Responses of natural enemies to experimentally increased populations of the forest tent caterpillar, *Malacosoma disstria*. Ecol. Entomol. 22:97-108.

Peddle, D.R.; Davidson, D.P.; Johnson, R.L.; Hall, R.J. 1999. Airborne image texture and mixture analysis of a forest scale continuum: a comparison with NDVI biophysical estimates, Kananaskis, Alberta. Pages 848-855 in Proc. 4th Int. Airborne Remote Sens. Conf. Exhib./21st Can. Symp. Remote Sens., June 21-24, 1999, Ottawa, Ontario. ERIM Int., Ann Arbor, Michigan. Vol. II.

Parry, D.; Spence, J.R.; Volney, W.J.A. 1998. Bud-break phenology and natural enemies mediate survival of first-instar forest tent caterpillar (Lepidoptera: Lasiocampidae). Environ. Entomol. 27(6):1368-1374.

Parry, D.; Volney, W.J.A.; Currie, C.R. 1997. The relationship between trembling aspen phenology and larval development of the large aspen tortrix. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-350.

Peng, C.H.; Apps, M.J. 1997a. A coupled CENTURY model-GIS approach for evaluation of the sustainability of Canadian boreal forests under a changing environment. Pages 316-323 in Integrating spatial information technologies for tomorrow. Proc. 11th Annu. Symp. Geogr. Inf. Syst., GIS '97, February 17-20, 1997, Vancouver, British Columbia. GIS World, Fort Collins, Colorado.

- Peng, C.H.; Apps, M.J. 1997b. Contribution of China to the global carbon cycle since the last glacial maximum: reconstruction from palaeovegetation maps and an empirical biosphere model. *Tellus* 49B:393–408.
- Peng, C.H.; Apps, M.J. 1998. Simulating carbon dynamics along the Boreal Forest Transect Case Study (BFTCS) in central Canada. 2. Sensitivity to climate change. *Glob. Biogeochem. Cycles* 12(2):393–402.
- Peng, C.H.; Apps, M.J. 1999. Modelling the response of net primary productivity (NPP) of boreal forest ecosystems to changes in climate and fire disturbance regimes. *Ecol. Model.* 122:175–193.
- Peng, C.H.; Apps, M.J.; Price, D.T.; Nalder, I.A.; Halliwell, D.H. 1998. Simulating carbon dynamics along the Boreal Forest Transect Case Study (BFTCS) in central Canada. 1. Model testing. *Glob. Biogeochem. Cycles* 12(2):381–392.
- Peng, C.H.; Wei, X.; Apps, M.J. 1997. Biogeographical models and their application to the global climate change studies: a review. Pages 343–368 in X. Chen, X. Dai, and T. HuTao, eds. *Ecological research and sustainable development*. China Environ. Sci. Press, Beijing. ESCY Trans. 4.
- Pitt, D.G.; Wagner, R.G.; Hall, R.J.; King, D.J.; Leckie, D.G.; Runesson, U. 1997a. The potential use of remote sensing for forest vegetation management: synopsis of a North American workshop. Pages 79–88 in P.J. Kennedy, ed. *Proc. Intl. Workshop Appl. Remote Sens. Eur. For. Monit.*, October 14–16, 1996, Vienna, Austria. Eur. Commis., Joint Res. Cent., Luxembourg, Belgium.
- Pitt, D.G.; Wagner, R.G.; Hall, R.J.; King, D.J.; Leckie, D.G.; Runesson, U. 1997b. Use of remote sensing for forest vegetation management: a problem analysis. *For. Chron.* 73(4):459–477.
- Pohl, G.R. 1998. A morphological and genetic comparison of *Patrobus fossifrons* (Eschscholtz) and *Patrobus stygicus* Chaudoir (Coleoptera: Carabidae). *Can. J. Zool.* 76:689–703.
- Price, D.T.; Apps, M.J.; Kurz, W.A. 1998. Past and possible future carbon dynamics of Canada's boreal forest ecosystems. Pages 63–88 in G.H. Kohlmaier, M. Weber, and R.A. Houghton, eds. *Carbon dioxide mitigation in forestry and wood industry*. Springer-Verlag, Heidelberg, Germany.
- Price, D.T.; Halliwell, D.H.; Apps, M.J.; Kurz, W.A.; Curry, S.R. 1997. Comprehensive assessment of carbon stocks and fluxes in a Boreal–Cordilleran forest management unit. *Can. J. For. Res.* 27(12):2005–2016.
- Price, D.T.; Halliwell, D.H.; Apps, M.J.; Peng, C.H. 1999. Adapting a patch model to simulate the sensitivity of central-Canadian boreal ecosystems to climate variability. *J. Biogeogr.* 26:1101–1113.
- Price, D.T.; Peng, C.H.; Apps, M.J.; Halliwell, D.H. 1999. Simulating effects of climate change on boreal ecosystem carbon pools in central Canada. *J. Biogeogr.* 26:1237–1248.

S

- Sasitwari, A.; Lee, B.S.; Brady, M.A.; Simmons, M. 1997. Proposed fire danger rating system for Indonesia: an adaptation of the Canadian Fire Behavior Prediction System. *Cent. Excell. GIS Indones. (CEGIS)*, Jakarta, Indonesia. *Newsl.* 2(1):12–19, 22.
- Schlamadinger, B.; Apps, M.J.; Bohlin, F.; Gustavsson, L.; Jungmeier, G.; Marland, G.; Pingoud, K.; Savolainen, I. 1997. Towards a standard methodology for greenhouse gas balances of bioenergy systems in comparison with fossil energy systems. *Biomass Bioenergy* 13(6):359–375.

- Siltanen, R.M.; Apps, M.J.; Zoltai, S.C.; Mair, R.M.; Strong, W.L. 1997. A soil profile and organic carbon data base for Canadian forest and tundra mineral soils. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta.*
- Spence, J.R.; Buddle, C.M.; Gandhi, K.J.K.; Langor, D.W.; Volney, W.J.A.; Hammond, H.E.J.; Pohl, G.R. 1999. Invertebrate biodiversity, forestry and emulation of natural disturbance: a down-to-earth perspective. Pages 80–90 in R.T. Meurisse, W.G. Ypsilantis, and C. Seybold, tech. eds. *Proc. Pac. Northwest For. Range. Soil Org. Symp., March 17–19, 1998, Corvallis, Oregon. U.S. Dep. Agric., For. Serv., Pac. Northwest Res. Stn., Portland, Oregon. Gen. Tech. Rep. PNW-GTR-461.*
- Spence, J.R.; Langor, D.W.; Hammond, H.E.J.; Pohl, G.R. 1997. Beetle abundance and diversity in a boreal mixed-wood forest. Pages 287–301 in A.D. Watt, N.E. Stork, and M.D. Hunter, eds. *Forests and insects. R. Entomol. Soc., London, England, and Chapman & Hall, London, England.*
- Spence, J.R.; Volney, W.J.A.; Lieffers, V.J.; Weber, M.G.; Luchkow, S.A.; Vinge, T.W. 1999. The Alberta EMEND project: recipe and cooks' argument. Pages 583–590 in T.S. Veeman, D.W. Smith, B.G. Purdy, F.J. Salkie, and G.A. Larkin, eds. *Science and practice: sustaining the boreal forest. Proc. 1999 Sustainable For. Manag. Network Conf., February 14–17, 1999, Edmonton, Alberta. Sustainable For. Manag. Network, Univ. Alta., Edmonton, Alberta.*
- Stedman, R.C. 1999. Sense of place as an indicator of community sustainability. *For. Chron.* 75(5): 765–770.
- Stewart, J.D.; Hogg, E.H.; Hurdle, P.A.; Stadt, K.J.; Tollestrup, P.; Lieffers, V.J. 1998. Dispersal of white spruce seed in mature aspen stands. *Can. J. Bot.* 76:181–188.
- Stocks, B.J.; Alexander, M.E.; Lanoville, R.A. 1999. The International Crown Fire Modelling Experiment: an update. *Int. For. Fire News* 21:89–90.
- Stocks, B.J.; Alexander, M.E.; Wotton, B.M.; Lanoville, R.A. 1999. The International Crown Fire Modelling Experiment, Northwest Territories, Canada. Pages 70–1 in *Proc. 9th Int. Boreal For. Res. Assoc. Conf., September 21–23, 1998, Oslo, Norway. Norw. For. Res. Inst., Oslo, Norway.*
- Strong, W.L.; Corns, I.G.W. 1999. An annotated bibliography of boreal mixedwood literature of the prairie provinces. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Inf. Rep. NOR-X-363.*

T

- Tang, S.; Wang, Y.; Zhang, L.; Meng, C.-H. 1997. A distribution-independent approach to predicting stand diameter distribution. *For. Sci.* 43(4):491–500.
- Taylor, S.W.; Pike, R.G.; Alexander, M.E. 1997. Field guide to the Canadian Forest Fire Behavior Prediction (FBP) System. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Spec. Rep. 11.*
- Thompson, I.D.; Flannigan, M.D.; Wotton, B.M.; Suffling, R. 1998. The effects of climate change on landscape diversity: an example in Ontario forests. *Environ. Monit. Assess.* 49:213–233.
- Timoney, K.; Zoltai, S.C.; Goldsborough, L.G. 1997. Boreal diatom ponds: a rare wetland associated with nesting whooping cranes. *Wetlands* 17(4):539–551.

V

- Varem-Sanders, T.M.L.; Campbell, I.D. 1998. Boreal Ecosystem-Atmosphere Study (BOREAS) biometry and auxiliary sites: X-ray densitometry of tree allometry samples. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta.
- Vega Garcia, C.; Woodard, P.M.; Titus, S.J.; Adamowicz, W.L.; Lee, B.S. 1999. Dos modelos para la prediccion de incendios forestales en Whitecourt Forest, Canada. Investig. Agrar. Sist. Recursos For. 8(1):5-24.
- Visser, S.; Maynard, D.G.; Danielson, R.M. 1998. Response of ecto- and arbuscular mycorrhizal fungi to clear-cutting and the application of chipped aspen wood in a mixedwood site in Alberta, Canada. Appl. Soil Ecol. 7:257-269.
- Volney, W.J.A. 1998. Ten-year tree mortality following a jack pine budworm outbreak in Saskatchewan. Can. J. For. Res. 28(12):1784-1793.
- Volney, W.J.A. 1999. Genetic and ecological controls of post-diapause development in *Choristoneura*. Pages 187-195 in F. Lieutier, W.J. Mattson, and M.R. Wagner, eds. Physiology and genetics of tree-phytophage interactions. Proc. Int. Symp., August 31-September 5, 1997, Gujan, France. Inst. Natl. Rech. Agron., Paris, France. Colloq. INRA 90.
- Volney, W.J.A.; Hammond, H.E.J.; Maynard, D.G.; MacIsaac, D.A.; Mallett, K.I.; Langor, D.W.; Johnson, J.D.; Pohl, G.R.; Kishchuk, B.; Gladders, B.; Avery, B.; Chemago, R.; Hoffman, T.; Chorney, M.; Luchkow, S.; Maximchuk, M.; Spence, J.R. 1999. A silvicultural experiment to mitigate pest damage. For. Chron. 75(3):461-465.
- Volney, W.J.A.; Mallett, K.I. 1998. Integrated pest management in western Canadian boreal forests. For. Chron. 74(4):597-605.
- Volney, W.J.A.; Spence, J.R.; Weber, M.G.; Langor, D.W.; Mallett, K.I.; Johnson, J.D.; Edwards, I.K.; Hillman, G.R.; Kishchuk, B.E. 1999. Assessing components of ecosystem integrity in the EMEND experiment. Pages 244-249 in T.S. Veeman, D.W. Smith, B.G. Purdy, F.J. Salkie, and G.A. Larkin, eds. Science and practice: sustaining the boreal forest. Proc. Sustainable For. Manag. Network Conf., February 14-17, 1999, Edmonton, Alberta. Sustainable For. Manag. Network, Univ. Alta., Edmonton, Alberta.

W

- Waibel, A.E.; Fischer, H.; Weinhold, F.G.; Siegmund, P.C.; Lee, B.; Ström, J.; Lelieveld, J.; Crutzen, P.J. 1999. Highly elevated carbon monoxide concentrations in the upper troposphere and lowermost stratosphere at northern midlatitudes during the STREAM II summer campaign in 1994. Chemosphere: Glob. Change Sci. 1:233-248.
- Waibel, A.E.; Fischer, H.; Weinhold, F.G.; Siegmund, P.C.; Lee, B.; Ström, J.; Lelieveld, J.; Crutzen, P.J. 1999. Highly elevated carbon monoxide concentrations in the upper troposphere and lowermost stratosphere at northern midlatitudes during the STREAM II summer campaign in 1994. Chemosphere: Glob. Change Sci. 1:233-248.
- Weber, J.D.; Volney, W.J.A.; Spence, J.R. 1999. Intrinsic development rate of spruce budworm (Lepidoptera: Tortricidae) across a gradient of latitude. Environ. Entomol. 28(2):224-232.
- Weber, M.G.; Flannigan, M.D. 1997. Canadian boreal forest ecosystem structure and function in a changing climate: impact on fire regimes. Environ. Rev. 5(3/4):145-166.
- Weber, M.G.; Stocks, B.J. 1998a. Forest fires and sustainability in the boreal forests of Canada. Ambio 27(7):545-550.
- Weber, M.G.; Stocks, B.J. 1998b. Forest fires in the boreal forests of Canada. Pages 215-233 in J.M. Moreno, ed. Large forest fires. Backhuys Publ., Leiden, The Netherlands.
- Wellstead, A.M.; Brown, M.P.; MacFarlane, D.D. 1999. Exploring woodlot owner managing and

marketing decisions: implications for Nova Scotia forest policy. *For. Chron.* 75(1):87-91.

Williamson, T.; Samson, R.; Korber, D. 1999. Economic performance of forest-reliant census subdivisions between 1981 and 1991. *For. Chron.* 75(1):93-109.

Woodwell, G.M.; Mackenzie, F.T.; Houghton, R.A.; Apps, M.J.; Gorham, E.; Davidson, E. 1998. Biotic feedbacks in the warming of the earth. *Clim. Change* 40:495-518.

Wotton, B.M.; Stocks, B.J.; Flannigan, M.D.; Laprise, R.; Blanchet, J.-P. 1998. Estimating future 2XCO₂ fire climates in the boreal forest of Canada using a regional climate model. Pages 1207-1221 in D.X. Viegas, ed. *Proc. 3rd Int. Conf. For. Fire Res.*, and 14th Conf. Fire For. Meteorol., November 16-20, 1998, Luso, Portugal. Assoc. Densenvolvimento Aerodinâmica Ind., Coimbra, Portugal. Vol. I.

Y

Yamamoto, F.; Nakamura, K.; Hiratsuka, Y. 1998. Is ethylene a trigger of stem hyperplasia caused by eastern gall rust in *Pinus densiflora*? Pages 243-251 in R. Jalkanen, P.E. Crane, J.A. Walla, and T. Aalto, eds. *Proc. 1st IUFRO Rusts For. Trees Work. Party Conf.*, August 2-7, 1998, Saariselkä, Finland. *Finn. For. Res. Inst., Rovaniemi Res. Stn., Rovaniemi, Finland. Res. Pap.* 712.

Yang, R.C. 1998. Foliage and stand growth responses of semimature lodgepole pine to thinning and fertilization. *Can. J. For. Res.* 28(12):1794-1804.

Yang, R.-C.; Dhir, N.K.; Yeh, F.C.; Hiratsuka, Y. 1997. Geographic variation in susceptibility of Alberta lodgepole pine to western gall rust. *Can. J. For. Res.* 27:1398-1405.

Yen, S.T.; Boxall, P.C.; Adamowicz, W.L. 1997. An econometric analysis of donations for environmental conservation in Canada. *J. Agric. Resour. Econ.* 22(2):246-263.

Yu, Z.; Campbell, I.D. 1998. Peatland dynamics simulation model: a literature review and modelling design. *Sustainable For. Manag. Network, Univ. Alta., Edmonton, Alberta. Work. Pap.* 1998-17.

Yu, Z.; Eicher, U. 1998. Abrupt climate oscillations during the last deglaciation in central North America. *Science* 282:2235-2238.

Yu, Z.; Ito, E. 1999. Possible solar forcing of century-scale drought frequency in the northern Great Plains. *Geology* 27(3):263-266.

Z

Zoladeski, C.A.; Delorme, R.J.; Wickware, G.M.; Corns, I.G.W.; Allan, D.T. 1998. Forest ecosystem toposequences in Manitoba. *Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta. Spec. Rep.* 12.

Zoltai, S.C.; Morrissey, L.A.; Livingston, G.P.; de Groot, W.J. 1998. Effects of fires on carbon cycling in North American boreal peatlands. *Environ. Rev.* 6(1):13-24.

ANNEXE 1

Rapports sur les ententes d'association en foresterie

Les rapports suivants ont été préparés par des entrepreneurs indépendants ou par du personnel du Centre de foresterie du Nord à partir de fonds obtenus dans le cadre de l'Entente d'association Canada-Alberta en foresterie et de l'Accord de coopération entre le Canada et les Territoires du Nord-Ouest en matière de foresterie qui ont eu cours de 1990 à 1995.

ALBERTA

Grundberg, B.; Bohning, R.A.; Anderson, C. 1997. Lumber recovery from shelterbelts in the prairie provinces. (PAIF Rep. 148.)

Hillman, G.R.; Feng, J.C.; Feng, C.C. 1997. Effects of watershed characteristics and disturbances on the water quality of two boreal streams. (PAIF Rep. 150.)

Hillman, G.R.; Johnson, J.D.; Takyi, S.K. 1997. Peatland drainage and improvement program (phase 2): controlling water table levels to enhance tree establishment and growth. (PAIF Rep. 149.)

TERRITOIRES DU NORD-OUEST

Bohning, R.A.; Campbell, D.; Grave, J. 1997. Forests of the Northwest Territories. Nat. Resour. Can., Can. For. Serv., North. For. Cent., Edmonton, Alberta, and Northwest Territ., Dep. Resour. Wildl., Econ. Dev., For. Manag. Div., Fort Smith, Northwest Territories.

Bohning, R.A.; Campbell, D.; Grave, J. 1997. Les forêts des Territoires du Nord-Ouest. Ressour. nat. Can., Serv. can. for., Cent. for. Nord, Edmonton (Alberta), and Minist. des Ressour., de la Faune et du Dév. écon. des Territ. du Nord-Ouest, Div. de l'aménagement des for., Fort Smith (Territoires du Nord-Ouest).

L'index des sujets se trouvant dans les pages suivantes présente alphabétiquement les principaux sujets de recherche ayant prévalu au Centre de foresterie du Nord durant la période s'étalant entre 1997 et 1999. L'auteur ainsi que la référence selon l'année pertinente sont répertoriés alphabétiquement à l'intérieur de chaque sujet ou catégorie et ce, dans de nombreux cas, à plus d'une reprise. Veuillez prendre note que les rapports préparés en vertu des ententes d'association en foresterie (présentés à l'annexe 1) ne sont pas inclus dans cet index. Voici quels sont les sujets et les catégories :

Écologie forestière et classification des stations
Économie
Épinette blanche
Épinette noire
Foresterie autochtone
Impacts des changements climatiques et biomasse
Incendie
Insectes
Inventaire forestier
Maladies
Paléoécologie
Peuplier faux-tremble et peuplier
Pin gris
Pin tordu
Pratiques forestières
Productivité forestière
Publications du Centre de foresterie du Nord
Socio-économie/valeurs autres que le bois
Sols et potentiel des stations
Substances toxiques et contaminants
Télé-détection
Terres humides et hydrologie

ÉCOLOGIE FORESTIÈRE ET CLASSIFICATION DES STATIONS

Beckingham, Futoransky, and Corns 1999
Dahl and Zoltai 1997
de Groot, Thomas, and Wein 1997
de Groot and Wein 1999
Halliwell and Apps 1997a-c
Kuhnke and Watkins 1999
Strong and Corns 1999
Timoney, Zoltai, and Goldsborough 1997
Zoladeski, Delorme, Wickware, Corns, and Allan 1998

ÉCONOMIE

Alavalapati, Adamowicz, and White 1998
Alavalapati, White, and Patriquin 1999
Beckley and Hirsch 1997
Bohning and Krayetski 1999
Boylen 1998
De Franceschi 1998
Globerman, Nakamura, Ruckman, Vertinsky, and Williams 1999
Jagger, White, and Sedjo 1999
Wellstead, Brown, and MacFarlane 1999
Williamson, Samson, and Korber 1999

ÉPINETTE BLANCHE

(Picea glauca [Moench] Voss)

Ball and Walker 1997
Hall and Klita 1997
Hall, Peddle, and Klita 1999
Hogg and Schwarz 1997
Mallett and Maynard 1998b
Maynard, Mallett, and Myrholm 1997
Stewart, Hogg, Hurdle, Stadt, Tollestrup, and Lieffers 1998
Strong and Corns 1999

ÉPINETTE NOIRE

(Picea mariana [Mill.] BSP)

Hillman 1997, 1998b
Hogg and Schwarz 1997
Strong and Corns 1999

FORESTERIE AUTOCHTONE

Adamowicz, Beckley, Hatton MacDonald, Just, Luckert, Murray, and Phillips 1998
Beckley and Hirsch 1997
De Franceschi 1998
De Franceschi and McIlwrick 1999
Natural Resources Canada 1998

IMPACTS DES CHANGEMENTS CLIMATIQUES ET BIOMASSE

Amiro 1998
Amiro, MacPherson, and Desjardins 1999
Apps, Kurz, Beukema, and Bhatti 1999

Bhatti, Foster, and Arp 1998
 Bhatti, Foster, Oja, Moayeri, and Arp 1998
 Binkley, Apps, Dixon, Kauppi, and Nilsson 1997
 Campbell 1998a
 Campbell, Campbell, Apps, Rutter, and Bush 1998
 de Groot and Wein 1999
 Flannigan 1998
 Flannigan and Bergeron 1998
 Flannigan, Bergeron, Engelmark, and Wotton 1998
 Flannigan, Wotton, Carcaillet, Richard, Campbell,
 and Bergeron 1998
 Flannigan, Wotton, Richard, Carcaillet, and Bergeron
 1998
 Greenough, Apps, and Kurz 1997
 Halliwell and Apps 1997a-c
 Hogg 1997, 1999
 Hogg and Schwarz 1997
 Jagger, White and Sedjo 1999
 Kurz and Apps 1999
 Kurz, Beukema, and Apps 1998
 Nalder, Wein, Alexander, and de Groot 1997
 Peng and Apps 1997a, b, 1998
 Peng, Apps, Price, Nalder, and Halliwell 1998
 Peng, Wei, and Apps 1997
 Price, Halliwell, Apps, Kurz, and Curry 1997
 Schlamadinger, Apps, Bohlin, Gustavsson, Jungmeier,
 Marland, Pingoud, and Savolainen 1997
 Siltanen, Apps, Zoltai, Mair, and Strong 1997
 Thompson, Flannigan, Wotton, and Suffling 1998
 Varem-Sanders and Campbell 1998
 Weber and Flannigan 1997
 Weber and Stocks, 1998a, b
 Woodwell, Mackenzie, Houghton, Apps, Gorham,
 and Davidson 1998
 Wotton, Stocks, Flannigan, Laprise, and Blanchet
 1998
 Yu and Eicher 1998
 Yu and Campbell 1998
 Yu and Ito 1999

INCENDIE

Alexander 1998
 Alexander and Fogarty 1997
 Alexander and Stocks 1998
 Alexander, Stocks, Wotton, Flannigan, Todd, Butler,
 and Lanoville 1998
 Alexander, Stocks, Wotton, and Lanoville 1998
 Amiro, Dvornik, and Zhuchenko 1999
 Amiro, MacPherson, and Desjardins 1999
 Anderson, Carr, Benoit, Desgagné, and Kubian 1998
 Anderson and Hirsch 1998
 Anderson, Powell, and Etches 1998

Bergeron, Gauthier, Carcaillet, Flannigan, Prairie,
 and Richard 1999
 Bergeron, Richard, Carcaillet, Gauthier, Flannigan,
 and Prairie 1998
 Brenner, Herbster, Lee, Brackett, and Arvanitis 1998
 Brenner, Suddaby, Carr, Lee, Brackett, and Arvanitis
 1997
 de Groot and Wein 1999
 Flannigan and Bergeron 1998
 Flannigan, Bergeron, Engelmark, and Wotton 1998
 Flannigan, Wotton, Carcaillet, Richard, Campbell,
 and Bergeron 1998
 Flannigan, Wotton, Richard, Carcaillet, and Bergeron
 1998
 Flannigan, Wotton, and Ziga 1998
 Fogarty and Alexander 1999
 Fogarty, Pearce, Catchpole, and Alexander 1998
 Herbster, Brenner, Suddaby, Carr, Lee, Arvanitis,
 and Brackett 1998
 Hirsch 1998, 1999
 Hirsch, Corey, and Martell 1998
 Hirsch and Pengelly 1998, 1999
 Lawson, Frandsen, Hawkes, and Dalrymple 1997a, b
 Li, Cihlar, Moreau, Huang, and Lee 1997
 Li, Moreau, Cihlar, Huang, and Lee 1997
 McAlpine and Hirsch 1999
 Nalder, Wein, Alexander, and de Groot 1997
 Partners in Protection 1999
 Sasitwari, Lee, Brady, and Simmons 1997
 Spence, Buddle, Gandhi, Langor, Volney, Hammond,
 and Pohl 1999
 Taylor, Pike, and Alexander 1997
 Vega Garcia, Woodard, Titus, Adamowicz, and Lee
 1999
 Waibel, Fischer, Weinhold, Siegmund, Lee, Ström,
 Lelieveld, and Crutzen 1999
 Weber and Flannigan 1997
 Weber and Stocks 1998a, b
 Wotton, Stocks, Flannigan, Laprise, and Blanchet 1998
 Zoltai, Morrissey, Livingston, and de Groot 1998

INSECTES

Brandt 1997
 Cárcamo, Parkinson, and Volney 1998
 Digweed, Spence, and Langor 1997
 Hall, Volney, and Wang 1998
 Hammond 1997
 Langor 1998
 Langor, Situ, and Zhang 1999
 Langor and Sperling 1997
 Langor and Williams 1998
 Parry, Spence, and Volney 1997, 1998
 Parry, Volney, and Currie 1997

Pohl 1998
Spence, Buddle, Gandhi, Langor, Volney, Hammond,
and Pohl 1999
Spence, Langor, Hammond, and Pohl 1997
Volney 1998
Volney, Hammond, Maynard, MacIsaac, Mallett,
Langor, Johnson, Pohl, Kishchuk, Gladders,
Avery, Chemago, Hoffman, Chorney, Luchkow,
Maximchuk, and Spence 1999
Volney and Mallett 1998
Weber, Volney, and Spence 1999

INVENTAIRE FORESTIER

Beckingham, Futoransky, and Corns 1999
Gerylo, Franklin, Roberts, Milton, and Hall 1997
Gerylo, Hall, Franklin, Roberts, and Milton 1998
Hall, Franklin, Gerylo, and Roberts 1999
Hall, Gerylo, and Franklin 1998
Hall and Klita 1997
Hall, Peddle, and Klita 1999
Hall, Volney, and Wang 1998
Halliwell and Apps 1997a-c
Klita, Hall, Cihlar, Beaubien, Dutchak, Nesby, Drieman,
Usher, and Perrott 1998

MALADIES

Brandt 1997
Brandt, Brett, Knowles, and Sproule 1998
Chakravarty, Hiratsuka, Trifonov, and Ayer 1997
Crane, Hiratsuka, Currah, and Jalkanen 1998
Ferreira, Hiratsuka, Coelho, and Santiago 1999
Hiratsuka 1998
Hiratsuka and Chakravarty 1999
Jalkanen, Crane, Walla, and Aalto 1998
Mallett and Maynard 1998a, b
Volney and Mallett 1998
Yamamoto, Nakamura, and Hiratsuka 1998
Yang, Dhir, Yeh, and Hiratsuka 1997

PALÉOÉCOLOGIE

Campbell 1998a, b
Campbell 1999
Campbell, Campbell, Apps, Rutter, and Bush 1998
Campbell, McDonald, Flannigan, and Kringayark
1999
Chmura, Smirnov, and Campbell 1999
Flannigan, Wotton, Carcaillet, Richard, Campbell,
and Bergeron 1998
Larocque and Campbell 1998

PEUPLIER FAUX-TREMBLE ET PEUPLIER

(*Populus tremuloides* Michx. et
P. balsamifera L.)

Ball and Walker 1997
Chakravarty, Hiratsuka, Trifonov, and Ayer 1997
Corns and Maynard 1998
Hammond 1997
Hiratsuka and Chakravarty 1999
Hogg 1999
Hogg, Black, den Hartog, Neumann, Zimmermann,
Hurdle, Blanken, Nesic, Yang, Staebler,
McDonald, and Oren 1997
Hogg and Hurdle 1997
Hogg and Schwarz 1999
Maynard and MacIsaac 1998
Parry, Spence, and Volney 1997, 1998
Parry, Volney, and Currie 1997
Stewart, Hogg, Hurdle, Stadt, Tollestrup, and Lieffers
1998
Strong and Corns 1999
Visser, Maynard, and Danielson 1998

PIN GRIS

(*Pinus banksiana* Lamb.)

Bhatti, Foster, and Arp 1998
Bhatti, Foster, Oja, Moayeri, and Arp 1998
Brandt, Brett, Knowles, and Sproule 1998
Hall, Volney, and Wang 1998
Hogg and Schwarz 1997
Klein 1998
Strong and Corns 1999
Volney 1998

PIN TORDU

(*Pinus contorta* Dougl. ex Loud. var.
latifolia Engelm.)

Brandt, Brett, Knowles, and Sproule 1998
Langor and Williams 1998
Mallett and Maynard 1998a, b
Yang 1998
Yang, Dhir, Yeh, and Hiratsuka 1997

PRATIQUES FORESTIÈRES

Ball and Walker 1997
Bhatti, Foster, and Arp 1998
Brewin and Monita 1998
Corns and Maynard 1998
Hillman 1997
Kuhnke and Watkins 1999

MacIsaac, Lux, Sidders, and Edwards 1999
Maynard and MacIsaac 1998
Spence, Buddle, Gandhi, Langor, Volney, Hammond,
and Pohl 1999
Spence, Volney, Liefers, Weber, Luchkow, and Vinge
1999
Strong and Corns 1999
Visser, Maynard, and Danielson 1998
Volney, Hammond, Maynard, MacIsaac, Mallett,
Langor, Johnson, Pohl, Kishchuk, Gladders,
Avery, Chemago, Hoffman, Chorney, Luchkow,
Maximchuk, and Spence 1999

PRODUCTIVITÉ FORESTIÈRE

Ball and Walker 1997
Chakravarty, Hiratsuka, Trifonov, and Ayer 1997
Corns and Maynard 1998
Hillman 1998b
Hiratsuka and Chakravarty 1999
Hogg and Schwarz 1999
Klein 1998
Maynard 1997
Maynard, Mallett, and Myrholm 1997
Msanga 1998
Nieman 1998
Stewart, Hogg, Hurdle, Stadt, Tollestrup, and Liefers
1998
Strong and Corns 1999
Tang, Wang, Zhang, and Meng 1997
Varem-Sanders and Campbell 1998
Yang 1998

PUBLICATIONS DU CENTRE DE FORESTERIE DU NORD

Leroy 1998a, b

SOCIO-ÉCONOMIE/VALEURS AUTRES QUE LE BOIS

Adamowicz, Beckley, Hatton MacDonald, Just,
Luckert, Murray, and Phillips 1998
Adamowicz and Boxall 1998, 1999
Adamowicz, Boxall, Williams, and Loviere 1998, 1999
Adamowicz, Swait, Boxall, Louviere, and Williams
1997
Beckley 1998a, b
Beckley, Boxall, Just, and Wellstead 1999a, b
Beckley and Burkosky 1999
Beckley and Hirsch 1997
Boxall and LeFrancois 1997
Boxall, Englin, and Watson 1999a, b

Brewin and Monita 1998
De Franceschi 1998
DuWors, Villeneuve, Filion, Reid, Bouchard, Legg,
Boxall, Williamson, Bath, and Meis 1999
Englin, Boxall, and Watson 1998
Korber, Beckley, Luckert, and White 1998
Kuhnke and Watkins 1999
McFarlane and Boxall 1998, 1999
McFarlane, Boxall, and Adamowicz 1999
McFarlane, Boxall, and Watson 1998
McFarlane, Fisher, and Boxall 1999
McFarlane and Macnab 1999
Parkins 1999a, b
Stedman 1999
Wellstead, Brown, and MacFarlane 1999
Williamson, Samson, and Korber 1999
Yen, Boxall, and Adamowicz 1997

SOLS ET POTENTIEL DES STATIONS

Bhatti, Comerford, and Johnston 1998
Cárcamo, Parkinson, and Volney 1998
Corns and Maynard 1998
Halliwell and Apps 1997c
Kalra 1998a, b
Kishchuk, Maynard, and Curran 1999
Larocque and Campbell 1998
Mallett and Maynard 1998a, b
Maynard 1997
Maynard and MacIsaac 1998
Maynard, Mallett, and Myrholm 1997
Siltanen, Apps, Zoltai, Mair, and Strong 1997
Strong and Corns 1999
Visser, Maynard, and Danielson 1998

SUBSTANCES TOXIQUES ET CONTAMINANTS

Amiro 1999
Amiro, Dvornik, and Zhuchenko 1999
Amiro, Greben'kov, and Vandenhove 1999
Amiro and Ipatyev 1999
Cárcamo, Parkinson, and Volney 1998

TÉLÉDÉTECTION

Brenner, Herbster, Lee, Brackett, and Arvanitis 1998
Chen, Brown, Cihlar, Leblanc, Hall, Peddle, King,
Trofymow, Swift, Van der Sanden, and Pavlic
1999
Gerylo, Franklin, Roberts, Milton, and Hall 1997
Gerylo, Hall, Franklin, Roberts, and Milton 1998

Goodenough, Bhogal, Fournier, Hall, Iaska, Leckie,
Luther, Magnussen, Niemann, and Strome 1998
Hall, Franklin, Gerylo, and Roberts 1999
Hall, Gerylo, and Franklin 1998
Hall and Klita 1997
Hall, Peddle, and Klita 1999
Hall, Volney, and Wang 1998
Johnson, Peddle, Hall, and Mah 1999
Klita, Hall, Cihlar, Beaubien, Dutchak, Nesby,
Drieman, Usher, and Perrott 1998
Peddle, Davidson, Johnson, and Hall 1999
Pitt, Wagner, Hall, King, Leckie, and Runesson
1997a, b

TERRES HUMIDES ET HYDROLOGIE

Dahl and Zoltai 1997
Hillman 1997, 1998
Hillman and Takyi 1998
Timoney, Zoltai, and Goldsborough 1997
Yu and Campbell 1998
Zoltai, Morrissey, Livingston, and de Groot 1998