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D.A. Leroy

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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.

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.

PREFACE

The Northern Forestry Centre has produced a wealth of forest research literature since it opened in 1970. Earlier general bibliographies cover research from the former Manitoba–Saskatchewan region prior to 1968 (Hildahl et al. 1968), for the prairie provinces and Northwest Territories from 1968 to 1979 (Dendwick et al. 1980), from 1980 to 1986 (Samoil and Turtle 1988), from 1987 to 1990 (Leroy 1991), from 1991 to 1993 (Leroy 1994), and from 1994 to 1996 (1998). This newest bibliography lists over 200 publications by staff of the Northern Forestry Centre that were published during 1997–99.

Listed alphabetically by author are Information Reports, Special Reports, and Forest Management Notes—all published by the Northern Forestry Centre—plus journal and symposium articles and miscellaneous publications. A subject index provides a convenient means of locating authors by topic. In addition, there is an appendix listing reports that were prepared under the Canada–Alberta Partnership Agreement in Forestry and the Canada–Northwest Territories Cooperation Agreement in Forestry.

This bibliography is intended to be an aid to research and should not be considered a catalogue for ordering.

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NOTE

The exclusion of certain manufactured products does not necessarily imply disapproval nor does the mention of other products necessarily imply endorsement by Natural Resources Canada.

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APPENDIX 1

Forestry Partnership Agreement Reports

The following reports were prepared by private contractors or by staff of the Northern Forestry Centre from funds provided by the Canada–Alberta Partnership Agreement in Forestry and the Canada–Northwest Territories Cooperation Agreement in Forestry which were in effect for the period 1990–95.

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.)

NORTHWEST TERRITORIES

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).

SUBJECT INDEX

The subject index on the following pages lists alphabetically the main topics of research at the Northern Forestry Centre during 1997–99. Within each topic or category are listed alphabetically the appropriate author and year citations, most of which appear more than once. Please note that reports prepared under the forestry partnership agreements (listed in Appendix 1) are not included in this index. The topics and categories are as follows:

Aboriginal Forestry
Aspen and Poplar
Black Spruce
Climate Change Impacts and Biomass
Diseases
Economics
Fire
Forest Ecology and Site Classification
Forest Inventory
Forest Practices
Forest Productivity
Insects
Jack Pine
Lodgepole Pine
Northern Forestry Centre Publications
Paleoecology
Remote Sensing
Socio-economics/Non-timber Values
Soils and Site Productivity
Toxic Substances and Contaminants
Wetlands and Hydrology
White Spruce

ABORIGINAL FORESTRY

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

ASPEN AND POPLAR

(*Populus tremuloides* Michx. and
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

BLACK SPRUCE

(*Picea mariana* [Mill.] BSP)

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

CLIMATE CHANGE IMPACTS AND BIOMASS

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

DISEASES

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

ECONOMICS

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

FIRE

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

FOREST ECOLOGY AND SITE CLASSIFICATION

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

FOREST INVENTORY

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

FOREST PRACTICES

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, Lieffers, 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

FOREST PRODUCTIVITY

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 Lieffers
1998
Strong and Corns 1999
Tang, Wang, Zhang, and Meng 1997
Varem-Sanders and Campbell 1998
Yang 1998

INSECTS

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

JACK PINE

(*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

LOGEPOLE PINE

(*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

NORTHERN FORESTRY CENTRE PUBLICATIONS

Leroy 1998a, b

PALEOECOLOGY

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

REMOTE SENSING

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, Iiaska, 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

SOCIO-ECONOMICS/NON-TIMBER VALUES

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

SOILS AND SITE PRODUCTIVITY

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

TOXIC SUBSTANCES AND CONTAMINANTS

Amiro 1999

Amiro, Dvornik, and Zhuchenko 1999

Amiro, Greben'kov, and Vandenhove 1999

Amiro and Ipatyev 1999

Cárcamo, Parkinson, and Volney 1998

WETLANDS AND HYDROLOGY

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

WHITE SPRUCE

(*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