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# NORTHERN FORESTRY CENTRE PUBLICATIONS

2004–2007

E.M. Lefebvre



INFORMATION REPORT  
NOR-X-411E

CANADIAN FOREST SERVICE    NORTHERN FORESTRY CENTRE

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The Northern Forestry Centre is one of five centres of the Canadian Forest Service, which has its headquarters in Ottawa, Ontario. This centre undertakes the regional delivery of national projects.

The Canadian Forest Service's main objective is research in support of improved forest management for economic, social, and environmental benefits to all Canadians.

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). Le Centre entreprend la réalisation régionale de projets nationaux.

Le Service canadien des forêts 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.

Cover image: grain elevator near Sandy Lake, Alberta

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Canadian Forest Service  
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## **ABSTRACT**

Scientific, technical, and interpretive publications written or published by staff of the Northern Forestry Centre during 2004–2007 are listed alphabetically by author. A subject index is provided.

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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 ou publiés par le personnel du Centre de foresterie du Nord entre 2004 et 2007. Un index des sujets est présenté.

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## PREFACE

This bibliography lists over 300 forest research publications written by staff of the Northern Forestry Centre between 2004 and 2007. These works comprise departmental publications (Information Reports, Special Reports, and miscellaneous publications) and symposium and journal articles. The publications are listed alphabetically by author. A subject index lists the major topics of research and the related publications are cited by author and year.

Since the Northern Forestry Centre opened in 1970, the Canadian Forest Service staff have contributed many resources to the forest research literature. A list of earlier general bibliographies is provided below for your information.

For additional information regarding Canadian Forest Service publications, visit the Canadian Forest Service Online Bookstore at <http://bookstore.cfs.nrcan.gc.ca>; unless otherwise stated, all items listed are distributed free of charge. Note that all reports published by the Northern Forestry Centre since 1971 are available in PDF format on the Bookstore.

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

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## SUBJECT INDEX

The subject index that follows lists alphabetically the main topics of research at the Northern Forestry Centre during 2004–2007. Within each topic or category are listed alphabetically the appropriate author and year citations, many of which appear more than once. The topics and categories are as follows:

### **Climate Change and Environmental Influences**

#### **Fire**

#### **Forest Diseases**

#### **Forest Ecology and Site Classification**

#### **Forest Insects**

#### **Growth, Yield, Inventory and Monitoring**

#### **Impacts of Forestry Practices**

#### **Miscellaneous**

#### **National and International Strategy and Coordination**

#### **Remote Sensing**

#### **Silviculture**

#### **Socioeconomics and Statistics**

#### **Soils and Wetlands**

#### **Sustainable Forest Management**

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Amiro, Barr, Black, Iwashita, Kljun, McCaughey, Morgenstern, Murayama, Nestic, Orchansky, and Saigusa 2004  
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Amiro, Orchansky, and Sass 2006  
Anderson, Flannigan, and Reuter 2005  
Apps, Bernier, and Bhatti 2006  
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Bhatti, Apps, and Lal 2006a, b  
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Bhatti and Preston 2006

Coursolle, Margolis, Barr, Black, Amiro, McCaughey, Flanagan, Lafleur, Roulet, Bourque, Arain, Wofsy, Dunn, Morgenstern, Orchansky, Bernier, Chen, Kidston, Saigusa, and Hedstrom 2006  
de Groot, Landry, Kurz, Anderson, Englefield, Fraser, Hall, Banfield, Raymond, Decker, Lynham, and Pritchard 2007  
Field, Wang, Yonghe, Roswintiarti, and Guswanto 2004  
Flannigan, Amiro, Logan, Stocks, And Wotton 2005  
Flannigan, Logan, Amiro, Skinner, and Stocks 2005  
Gray 2005  
Hogg and Bernier 2005  
Johnston and Williamson 2005, 2007  
Johnston, Williamson, Price, Spittlehouse, Wellstead, Gray, Scott, Askew, and Webber 2006  
Krankina, Houghton, Harmon, Hogg, Butman, Yatskov, Huso, Treyfeld, Razuvaev, and Spycher 2005  
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Li 2004a  
Liu, Price, and Chen 2005  
McGuire, Chapin, Wirth, Apps, Bhatti, Callaghan, Christensen, Clein, Fukuda, Maximov, Omuchin, Shvidenko, and Vaganov 2007  
McKinnon and Webber 2005  
McKinnon, Webber, and MacKendrick 2004  
Neilson, MacLean, Arp, Meng, Bourque, and Bhatti 2006  
Ohlson, McKinnon, and Hirsch 2005  
Orchansky and Amiro 2004  
Parisien, Kafka, Flynn, Hirsch, Todd and Flannigan 2005  
Preston, Bhatti, and Flanagan 2006

Price, Hall, Case, Raulier, and Linder 2005  
 Price, McKenney, Papadopol, Logan, and Hutchinson 2004  
 Sass, Amiro, and Orchansky 2006  
 Schwalm, Black, Amiro, Arain, Barr, Bourque, Dunn, Flanagan, Giasson, Lafleur, Margolis, McCaughey, Orchansky, and Wofsy 2006  
 Shaw, Bhatti, and Sabourin 2005  
 Shaw, Chertov, Komarov, Bhatti, Nadporozskaya, Apps, Bykhovets, and Mikhailov 2006  
 Smith, McFarlane, Parkins, and Pohrebniuk 2005  
 Stedman, Davidson, and Wellstead 2004a, b  
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 Volney and Hirsch 2005  
 Wang, A., Price, and Arora 2006  
 Wang, Y., Field, and Roswintiarti 2004  
 Wang, Zhou, and Wang 2007  
 Wellstead, Davidson, and Stedman 2006  
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Abbott, Alexander, MacLean, Leblon, Beck, and Staples 2007  
 Abbott, Leblon, Staples, MacLean, and Alexander 2007  
 Alexander 2006a, b  
 Alexander 2007a-e  
 Alexander and Cruz 2006  
 Alexander, Cruz, and Lopes 2006  
 Alexander, Mutch, and Davis 2007  
 Alexander, Stefner, Mason, Stocks, Hartley, Maffey, Wotton, Taylor, Lavoie, and Dalrymple 2004  
 Alexander and Thomas 2004a, b, 2006  
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Brady and Doornbos 2006  
 Cary, Keane, Gardner, Lavorel, Flannigan, Davies, Li, Lenihan, Rupp, and Mouillot 2006  
 Canadian Council of Forest Ministers 2005, 2006  
 Conseil canadien des ministres des forêts 2005, 2006  
 Cruz, Alexander, and Wakimoto 2005  
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 Cruz, Butler, Alexander, Forthofer, and Wakimoto 2006  
 Cruz, Butler, Alexander, and Viegas 2006  
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 de Groot, Bothwell, Taylor, Wotton, Stocks, and Alexander 2004  
 de Groot, Field, Brady, Roswintiarti, and Mohamad 2007  
 de Groot, Goldammer, Keenan, Brady, Lynham, Justice, Csiszar, and O'Loughlin 2006  
 de Groot, Landry, Kurz, Anderson, Englefield, Fraser, Hall, Banfield, Raymond, Decker, Lynham, and Pritchard 2007  
 de Groot, Wardati, and Wang 2005  
 de Groot and Wein 2004a  
 Dymond, Field, Roswintiarti, and Guswanto 2005  
 Dymond, Roswintiarti, and Brady 2004  
 Englefield, Lee, Fraser, Landry, Hall, Lynham, Cihlar, Li, Jin, and Ahern 2004  
 Engstrom, Galley, and de Groot 2004  
 Flannigan, Logan, Amiro, Skinner, and Stocks 2005  
 Hall, Freeburn, de Groot, Pritchard, Lynham, and Landry 2006  
 Hirsch 2004  
 Hirsch and Fuglem 2006a, b  
 Hirsch, Kafka, and Todd 2004  
 Hirsch, Podur, Janser, McAlpine, and Martell 2004  
 Hogg and Wein 2005  
 Keane, Cary, Davies, Flannigan, Gardner, Lavorel, Lenihan, Li, and Rupp 2004  
 Keane, Cary, Davies, Flannigan, Gardner, Lavorel, Lenihan, Li, and Rupp 2007  
 Lavoie and Alexander 2004  
 Lavoie, Alexander, and Macdonald 2007  
 Li 2004b  
 Li, Barclay, Liu, and Campbell 2005

Nadeau and Englefield 2006  
 Nadeau, Li, and Hans 2004  
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 Orchansky and Amiro 2004  
 Otway, Bork, Anderson, and Alexander  
 2006, 2007a, b  
 Parisien, Hirsch, Lavoie, Todd, and Kafka  
 2004  
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 Parisien, Kafka, Flynn, Hirsch, Todd, and  
 Flannigan 2005  
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 Stocks 2006  
 Parisien, Sirois, and Babeau 2004  
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 Juhlin 2007  
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 Stocks, Alexander, and Lanoville 2004  
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 Flannigan, Taylor, Lavoie, Mason, Hartley,  
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Crane 2005, 2006  
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## **FOREST ECOLOGY AND SITE CLASSIFICATION**

Allen and Johnson 2007  
 Allen, Johnson, and Vujnovic 2004, 2006  
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 Kljun, Theede, and Nesic 2007  
 Bauer, Tirlea, Bhatti, and Errington 2007  
 Choi, Chang, and Bhatti 2007  
 Cooke, Nealis, and Régnière 2007  
 Corns, Downing, and Little 2005a, b  
 Frey, Lieffers, Hogg, and Landhäusser 2004

Gray 2005  
 Hannam, Quideau, and Kishchuk 2007  
 Howlett, Rayner, and Wellstead 2008  
 Jerabkova, Prescott, and Kishchuk 2006a, b  
 Li, Barclay, Hawkes, and Taylor 2005  
 Li, Barclay, Liu, and Campbell 2005  
 Liu, Price, and Chen 2005  
 McGuire, Chapin, Wirth, Apps, Bhatti,  
 Callaghan, Christensen, Clein, Fukuda,  
 Maximov, Omuchin, Shvidenko, and  
 Vaganov 2007  
 Orchansky and Amiro 2004  
 Shaw, Bhatti, and Sabourin 2005  
 Shaw, Chertov, Komarov, Bhatti,  
 Nadporozskaya, Apps, Bykhovets, and  
 Mikhailov 2006  
 Thormann, Rice, and Beilman 2007  
 Volney, Alfaro, Bothwell, Hogg, Hopkin,  
 Laflamme, Hurley, Warren, Metsaranta,  
 and Mallett 2005  
 Vujnovic, K., Allen, Johnson, and Vujnovic,  
 D. 2005  
 Wang, Zhou, and Wang 2007  
 Wulder, Hall, Coops, and Franklin 2004

## **FOREST INSECTS**

Battigelli, Spence, Langor, and Berch 2004  
 Brandt 2006  
 Brandt, Hiratsuka, and Pluth 2004a, b,  
 2005  
 Buddle, Langor, Pohl, and Spence 2006  
 Cobb, Langor, and Spence 2007  
 Cooke 2007  
 Cooke and Lorenzetti 2006  
 Cooke, Nealis, and Régnière 2007  
 Digweed and Langor 2004  
 Gandhi, Spence, Cryer, Langor, and  
 Morgantini 2004  
 Hall 2005  
 Hall, Skakun, and Arsenault 2006  
 Hall, Skakun, Arsenault, and Thomas 2006  
 Hammond, Langor, and Spence 2004  
 Hiratsuka, Langor, and Crane 2004  
 Jacobs, Spence, and Langor 2007a, b  
 Klimaszewski, Assing, Majka, Pelletier,  
 Webster, and Langor 2007  
 Klimaszewski, Langor, Savard, Pelletier,  
 Chandler, and Sweeney 2007  
 Klimaszewski, Langor, Work, Pelletier,  
 Hammond, and Germain 2005  
 Klimaszewski, Majka, and Langor 2006  
 Laffin, Langor, and Sperling 2004

Langor and Spence 2006  
 Langor, Spence, Hammond, Jacobs, and Cobb 2006  
 Li, Barclay, Hawkes, and Taylor 2005  
 Lu, Zhang, and Langor 2007  
 MacQuarrie, Langor, and Sperling 2007  
 McFarlane, Stumpf-Allen, and Watson 2006  
 Mitchell, McClay, Pohl, and Sperling 2005  
 Natural Resources Canada 2007a, b  
 Parkins and MacKendrick 2007  
 Patriquin, Wellstead, and White 2007  
 Patriquin and White 2004  
 Pohl, Bird, Landry, and Anweiler 2005  
 Pohl, Langor, Landry, and Spence 2004a, b  
 Pohl, Langor, and Spence 2007  
 Pohl, Saunders, Barr, Wartenbe, and Fownes 2004  
 Ressources naturelles Canada 2007a, b  
 Rice, Thormann, and Langor 2007a, b  
 Thomas, Deschamps, Landry, van der Sanden, and Hall 2007  
 van der Sanden, Deschamps, Thomas, Landry, and Hall 2006  
 Volney and Fleming 2007  
 Wellstead, Davidson, and Stedman 2006  
 Wesley, Williams, Langor, and Spence 2006  
 Williams 2004, 2007  
 Work, Shorthouse, Spence, Volney, and Langor 2004  
 Zhang, Haack, and Langor 2004  
 Zhang, Langor, Ye, Li, and Laffin 2007

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Barr, Black, Hogg, Kljun, Morgenstern, and Nesic 2004  
 Corns, Downing, and Little 2005a, b  
 de Groot, Alexander, Wotton, Bothwell, Stefner, and Carlsson 2004  
 de Groot, Bothwell, Taylor, Wotton, Stocks, and Alexander 2004  
 de Groot and Wein 2004  
 Fish, Lieffers, Silins, and Hall 2006  
 Frey, Lieffers, Hogg, Landhäuser 2004  
 Hall, Joss, Sidders, and Keddy 2004  
 Hall, Raulier, Price, Arsenault, Bernier, Case, and Guo 2006  
 Hall and Skakun 2007  
 Hall, Skakun, Arsenault, and Case 2006  
 Hillman and Roberts 2006a, b  
 Hogg, Brandt, and Kochtubajda 2005  
 Hogg and Wein 2005

Johnston and Williamson 2005  
 Keane, Cary, Davies, Flannigan, Gardner, Lavorel, Lenihan, Li, and Rupp 2007  
 Krankina, Houghton, Harmon, Hogg, Butman, Yatskov, Huso, Treyfeld, Razuvaev, and Spycher 2005  
 Langor 2007  
 Li, Barclay, Hawkes, and Taylor 2005  
 MacIsaac, Comeau, and Macdonald 2006  
 Miao and Li 2007  
 Parisien, Sirois, and Babeau 2004  
 Parisien, Sirois, and Parent 2005  
 Peters, Macdonald, and Dale 2004, 2005, 2006  
 Price, McKenney, Papadopol, Logan, and Hutchinson 2004  
 Rodríguez-Trejo, Castro-Solis, Zepeda-Bautista, and Carr 2007  
 Stadt, Lieffers, Hall, and Messier 2005  
 Stewart, Jones, and Noble 2006  
 Volney, Alfaro, Bothwell, Hogg, Hopkin, Laflamme, Hurley, Warren, Metsaranta, and Mallett 2005  
 Wang 2004  
 Wang, Huang, Yang, and Tang 2004  
 Wang, Raulier, and Ung 2005  
 Work, Shorthouse, Spence, Volney, and Langor 2004  
 Wulder, Hall, Coops, and Franklin 2004

## **IMPACTS OF FORESTRY PRACTICES**

Battigelli, Spence, Langor, and Berch 2004  
 Groot, Lussier, Mitchell, and MacIsaac 2005  
 Hannam, Quideau, Kishchuk, Oh, and Wasylshen 2005  
 Jerabkova, Prescott, and Kishchuk 2006  
 Jacobs, Spence, and Langor 2007b  
 MacIsaac, Comeau, and Macdonald 2006  
 Sauder and MacIsaac 2004  
 Strong 2004  
 Strong and Gates 2006  
 Strong and Sidhu 2005

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## **NATIONAL AND INTERNATIONAL STRATEGY AND COORDINATION**

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Wellstead and Stedman 2007  
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## **REMOTE SENSING**

Abbott, Leblon, Staples, MacLean, and Alexander 2007  
Arsenault, Hall, Skakun, Decker, and Downing 2007  
Arsenault, Hall, Skakun, Hogg, and Michaelian 2007  
Englefield, Lee, Fraser, Landry, Hall, Lynham, Cihlar, Li, Jin, and Ahern 2004  
Fraser, Hall, Landry, Lynham, Raymond, Lee, and Li 2004  
Hall 2005  
Hall, Freeburn, de Groot, Pritchard, Lynham, and Landry 2006  
Hall, Joss, Sidders, and Keddy 2004  
Hall, Raulier, Price, Arsenault, Bernier, Case, and Guo 2006  
Hall and Sánchez-Azofeifa 2006  
Hall and Skakun 2007  
Hall, Skakun, and Arsenault 2006  
Hall, Skakun, Arsenault, and Case 2006  
Hall, Skakun, Arsenault, and Thomas 2006  
Keane, Cary, Davies, Flannigan, Gardner, Lavorel, Lenihan, Li, and Rupp 2004  
Nadeau and Englefield 2006  
Nadeau, Li, and Hans 2004  
Nadeau, McRae, and Jin 2005  
Peddle, Hall, Jackson, Soenen, Gibb, and Juhlin 2007  
Skakun, Hall, Arsenault, Smith, Cassidy, Lakusta, Beaudoin, and Guindon 2007  
Soenen, Peddle, Coburn, and Hall 2005, 2006  
Soenen, Peddle, Hall, and Coburn 2007  
Stadt, Loeffers, Hall, and Messier 2005  
Thomas, Deschamps, Landry, van der Sanden, and Hall 2007  
van der Sanden, Deschamps, Thomas, Landry, and Hall 2006  
Wang, Price, and Arora 2006  
Wulder, Cranny, Hall, Luther, Beaudoin, and Dechka 2006  
Wulder, Dechka, Hall, Luther, Beaudoin, Cranny, and McDonald 2005

## **SILVICULTURE**

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Stewart, Jones, and Noble 2006  
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Haener, Boxall, Adamowicz, and Kuhnke 2004  
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Johnston and Williamson 2005, 2007  
Johnston, Williamson, Price, Spittlehouse, Wellstead, Gray, Scott, Askew, and Webber 2006  
Kuhnke 2007  
Luckert and Williamson 2005  
MacKendrick and Parkins 2004  
McFarlane 2004, 2005  
McFarlane and Hunt 2006  
McFarlane, Stumpf-Allen, and Watson 2006, 2007  
McFarlane, Watson, and Stumpf-Allen 2007  
Mitchell and Parkins 2005  
Moon, Patriquin, White, and Spence 2004  
Parkins 2006  
Parkins and MacKendrick 2007  
Parkins and Mitchell 2005  
Parkins, Nadeau, Hunt, Sinclair, Reed, and Wallace 2006a, b  
Parkins, Stedman, Patriquin, and Burns 2006  
Parkins, Varghese, and Stedman 2004  
Patriquin, Lantz, Furtas, Ambard, and White 2007  
Patriquin, Parkins, and Stedman 2007  
Patriquin, Spence, and White 2004  
Patriquin, Wellstead, and White 2007  
Patriquin and White 2004  
Pattison-Perry, Beck, Luckert, and White 2005  
Smith, McFarlane, Parkins, and Pohrebniuk 2005  
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Stedman, Parkins, and Beckley 2004, 2005  
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2007  
Watson and Boxall 2005  
Watson and McFarlane 2004  
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Wellstead, Davidson, and Stedman 2004,  
2006  
Wellstead, Leslie, and Weetman 2007  
Wellstead and Stedman 2007  
Williamson, Hauer, and Luckert 2004  
Williamson, Hirsch, and Frenkel 2006  
Williamson, Parkins, McFarlane 2005  
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2006  
Bauer, Tirlea, Bhatti, and Errington 2007  
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Foster and Bhatti 2006  
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Hannam, Quideau, Oh, Kishchuk, and  
Wasylishen 2004  
Hillman, Feng, and Wang 2004

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Hogg and Wein 2005  
Jacobs, Spence, and Langor 2007b  
Johnston and Williamson 2005  
Kalra and Bhatti 2006  
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Krishnan, Black, Grant, Barr, Hogg, Jassal,  
and Morgenstern 2006  
MacIsaac, Hillman, and Hurdle 2004  
Schulz and Thormann 2005  
Shaw, Chertov, Komarov, Bhatti,  
Nadporozskaya, Apps, Bykhovets, and  
Mikhailov 2006  
Stone, Bhatti, and Lal 2006  
Thormann 2006a-c  
Thormann, Bayley, and Currah 2004  
Thormann, Bernier, Foster, Schindler, and  
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Thormann, Rice, and Beilman 2007  
Turetsky, Amiro, Bosch, and Bhatti 2004

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Hirsch 2004  
Howlett, Rayner, and Wellstead 2004  
Johnston, Williamson, Price, Spittlehouse,  
Wellstead, Gray, Scott, Askew, and  
Webber 2006  
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