

Technical Excellence Update

2011 calendar year
(sorted alphabetically by publication title)

I am pleased to present the *Technical Excellence Update* for the 2011 calendar year, which showcases the public domain publications and presentations available through SRC. This version is sorted alphabetically by the publication title.

SRC continues to be an innovative research and development organization that works in many strategic sectors, including Agriculture and Biotechnology; Alternative Energy; Manufacturing; Energy; Environment; Forestry; and Mining and Minerals. Our employees have a wide range of experience and scientific expertise, enabling SRC to meet unique and varied client needs.

SRC technical specialties include, but are not limited to:

Natural Sciences

Biology, chemistry, computing science, geology, math, physics, etc.

Engineering

Chemical, civil, industrial, mechanical, metallurgical, petroleum, etc.

Management Sciences

Business administration, business disruption/resumption management, commerce, facilities management, information technology, marketing and communications, law, risk management, safety, etc.

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*Laurier L. Schramm
President and CEO
September 2012*

- ...and the Weather Tomorrow will be, Invited Presentation, Schools Plan Legacy in Trees (SPLIT) Program, Holliston School, Saskatoon, SK, *Beaulieu, C.*, March 15, 2011
- Adaptive Capacity in Publicly Owned Forest Landscapes in Canada**, Book Chapter and Journal Article, in: Ford, J. and L.B. Ford, eds. *Climate Change Adaptation in Developed Nations*, Springer, Chapter 19, p. 267-278, *Johnston, M., T. Williamson, H. Nelson, L. Van Damme, A. Ogden and H. Hessel*, 2011
- Advanced Microanalysis Centre Offers New Services to the Mining Industry**, Magazine Article, *International Mining Magazine*, *Creighton, S.*, April 2011
- An Investigation into the Role Played by the Initial Iron Oxide Phase in Determining Catalyst Performance**, Lecture, 2011 AIChE Spring Meeting, Chicago, IL, *Pretorius P.J. and F.C. Hawthorne*, 2011
- An Overview of Drought and Excessive Moisture Monitoring Capability in Canada**, Research Report, Prepared for Adaptation and Impacts Research Section, Environment Canada, 18 pp., *Wittrock, V., E. Wheaton and G. Koshida*, March 2011, SRC Publication: 13077-4E11
- Assessing Agri-environmental Implications of Climate Change and Agricultural Adaptation to Climate Change**, Research Report, Working Paper Prepared for the Organization for Economic Cooperation and Development (OECD), Paris, 31 pp., *Wheaton, E. W. Eilers, S. Kulshreshtha, R. MacGregor and V. Wittrock*, November 2011, SRC Publication: 10432-1E11
- Assessing Water Adaptations and Determining Coping Ranges to the 2001-2002 Drought**, Abstract and Conference Paper, American Water Resources Association (AWRA) 2011 Spring Specialty Conference, Baltimore MD, *Koshida, G., E. Wheaton and V. Wittrock*, April 18-20, 2011, SRC Publication: 13077-5E11
- Assiniboine River Watershed: Drought and Excessive Moisture Preparedness Plan**, Research Report, Assiniboine Watershed Stewardship Association; Saskatchewan Watershed Authority and Natural Resources Canada, 43 pp., *Rowan, K., J. Pittman, V. Wittrock, A. Hershmillier and J. Nielsen*, March 2011, SRC Publication: 13022-13E11
- Assisting Species Migration: Implications for Forest Management**, Presentation, Rocky Mountain Section, Canadian Institute of Forestry Special Session on Climate Change and Forests, Edmonton, AB, *Johnston, M.*, May 31, 2011
- Biofuel/Bioenergy Life Cycle Inventory Database Development Project**, Presentation, Agricultural Biorefinery Innovation Network (ABIN) Conference, London, ON, *Manuilova, A.*, January 2011
- Bright Sunshine in Saskatchewan**, Research Report, Prepared for Kipp & Zonen and Campbell Scientific (Canada) Ltd., 12 pp., *Wittrock, V.*, August 2011, SRC Publication: 13000-4E11
- Canada in a Changing Climate: Engaging the Agricultural Sector**, Invited Presentation, "What Should Japanese Agriculture do to Prepare for Global Warming" Symposium, organized by the Japanese Ministry of Agriculture, Forestry and Fisheries, Tokyo, Japan; Natural Resources Canada, Ottawa, ON, 17 slides, *Wheaton, E., M. Boehm, D. Lemmen and R. MacGregor*, February 3, 2011, SRC Publication: 10432-2D11
- Canadian Prairie Rural Communities: Their Vulnerabilities and Adaptive Capacities to Drought**, Journal Article, *Mitigation and Adaptation Strategies for Global Change*: 16(3): 267-290. DOI: 10.1007/s11027-010-9262-x, *Wittrock, V., S.N. Kulshreshtha and E. Wheaton*, September 2011, SRC Publication: 11899-6E10
- Characterization and Summary of the 1999-2005 Canadian Prairie Drought**, Journal Article, *Atmosphere-Ocean*. 49(4):421-452, *Hanesiak, J., R. Stewart, B. Bonsal, P. Harder, R. Lawford, R. Aider, B. Amiro, E. Atallah, A. Barr, T. Black, P. Bullock, J. Brimelow, R. Brown, H. Carmichael, C. Derksen, L. Flanagan, P. Gachon, H. Greene, J. Gyakum, W. Henson, E. Hogg, B. Kochtubajda, H. Leighton, C. Lin, Y. Luo, J. McCaughey, A. Meinert, A. Shabbar, K. Snelgrove, K. Szeto, A. Trishchenko, G. van der Kamp, S. Wang, L. Wen, E. Wheaton, C. Wielki, Y. Yange, S. Yirdaw and T. Zha*, December 2011, SRC Publication: 11602-3A11
- Characterizing the Surface Features of Canadian Prairie Droughts**, Abstract and Poster Presentation, Environment Canada, Saskatoon, SK; American Meteorological Society's Annual Meeting, Seattle, WA; Climate Extremes Workshop, Winnipeg, MB; Canada Drought Research Initiative, Winnipeg, MB, 16 slides, *Bonsal, B., E. Wheaton and E. Siemens*, 2011, SRC Publication(s): 11602-1D11; 11602-2D11
- Characterizing the Surface Features of the 1999-2005 Canadian Prairie Drought in Relation to Previous Severe Twentieth Century Events**, Journal Article, *Atmosphere-Ocean*. 49(4):320-338, *Bonsal, B., E. Wheaton, A. Meinert and E. Siemens*, December 2011, SRC Publication: 11602-4A11
- CHP – The New Industry Standard?**, Magazine Article, *Urban Voice*, Saskatchewan Urban Municipalities Association (SUMA) Publication, 13 pp., *Procknow, J.*, June 2011
- Cleaning-up Abandoned Uranium Mines in Saskatchewan's North**, Invited Speaker, United Services Institute of Saskatoon (USI), Saskatoon, SK, *Schramm, L.L.*, April 11, 2011
- Climate Change and Prairie Forests: An Emerging Synthesis**, Presentation, Conference Board of Canada, Council on Climate Change Adaptation, Calgary, AB; Saskatchewan Environment Forest Service Branch, Prince Albert SK; Environmental Science 485, Soil Science Department, University of Saskatchewan, Saskatoon, SK; Department of Soil Science Seminar Series, University of Saskatchewan, Saskatoon, SK, *Johnston, M. and E. Qualtiere*, 2011
- Climate Change Vulnerability Assessment and Adaptation Planning to in Prairie Forests**, Presentation, Prairie Regional Adaptation Collaborative Terrestrial Forum, Saskatoon, SK, *Johnston, M. and E. Qualtiere*, March 15, 2011
- Climate Connections to Insects and Diseases In the Canadian Prairies**, Abstract and Presentation, Canadian Meteorological and Oceanographic Society (CMOS) 45th Congress "Ocean, Atmosphere and the Changing Pacific", Victoria BC, *Wittrock, V., E. Wheaton and G. Koshida*, June 5-9, 2011, SRC Publication: 13077-7E11
- Climate of Saskatoon**, Invited Presentation, Schools Plan Legacy in Trees (SPLIT) Program, Holliston School, Saskatoon, SK, *Beaulieu, C.*, March 15, 2011
- Climate Reference Station Saskatoon – Annual Summary 2010**, Research Report, Saskatchewan Research Council, *Beaulieu, C. and V. Wittrock*, March 2011, SRC Publication: 10440-1E11
- Climate Variability and Extremes: VACEA Theme 2 Work Planning**, Presentation, Manizales, Columbia, 6 slides, *Wheaton, E., B. Bonsal and V. Wittrock*, October 2011, SRC Publication: 13224-1D11
- CO2 Flooding in Southwest Saskatchewan - Proven Success Leads to Another Boom Era**, Conference Presentation, Williston Basin Petroleum Conference, Regina, SK, *Luo, P.*, May 2011
- Colloids**, Encyclopedia Article, in *Kirk-Othmer Encyclopedia of Chemical Technology*, John Wiley & Sons, Inc., New York, 35 pp., *Schramm, L.L.*, 2011
- Cool Technologies for Saving Energy**, Conference Presentation, Building Saskatchewan Green Conference, Saskatoon, SK; Alternative Energy Forum and Fair, Moose Jaw, SK, *Winder, K.*, 2011
- Demonstration of Weather Instruments**, Invited Presentation, Schools Plan Legacy in Trees (SPLIT) Program, Holliston School, Saskatoon, SK, *Beaulieu, C.*, March 15, 2011
- Developing Climate Services to Enhance Adaptation to Drought and other Climate Extremes in Canada**, Research Report, Prepared for Adaptation and Impacts Research Section, Environment Canada, 12 pp., *Wheaton, E., V. Wittrock, G. Koshida and E. Siemens*, March 2011, SRC Publication: 13077-2E11
- Development and Standardization of Plant Toxicity Methods for Assessment of Contaminated Soils using Upland and Wetland Boreal Species: (Year 2)**, Research Report, Environment Canada, *Moody, M.*, 2011, SRC Publication: 11627-2E11
- Development of a Soil Toxicity Test Using Species Native to the Canadian Boreal Wetlands**, Abstract and Presentation, Society of Environmental Toxicology and Chemistry North America 32nd Annual Meeting, Boston, MA, *Moody, M.*, November 13-17, 2011

- Developments in Heavy Oil Upgrading**, Conference Presentation, EnerCan West Conference and Trade Show, Regina, SK, *Soveran, D.*, February 13-14, 2011
- Diamond Exploration on the Sask Craton: A Challenge for Current Paradigms**, Presentation, Saskatchewan Energy and Resources Open House Conference and Trade Show, *Creighton, S.*, November 28-30, 2011
- Distribution of Distinctive Glacial Erratics in Western Canada**, Abstract, Geological and Mineralogical Association of Canada (GAC-MAC) Annual Meeting, Ottawa, ON, *Johnston, W.G.Q. and B.T. Schreiner*, February 25, 2011
- Diverse Range of World-Class Services Offered to Mining Industry**, Editorial, *New Mining Technology Magazine*, 23 pp., *Procknow, J.*, August 2011
- Drought and Excessive Moisture – Saskatchewan’s Nemesis: Characterizations for the Moose Jaw River, Lower Souris River, Upper Qu’Appelle and Carrot River Watersheds**, Research Report, Progress Report for Saskatchewan Watershed Authority, *Wittrock, V. and E. Wheaton*, March 31, 2011, SRC Publication: 13022-7E11
- Drought and Excessive Moisture – Saskatchewan’s Nemesis: Characterizations for the Swift Current Creek, North Saskatchewan River, Assiniboine River and Upper Souris River Watersheds**, Research Report, Prepared for Saskatchewan Watershed Authority, *Wittrock, V., E. Wheaton and E. Siemens*, March 2011, SRC Publication: 13E11
- Drought Research in Canada: A Review**, Journal Article, *Atmosphere-Ocean*. 49(4):303-319, *Bonsal, B., E. Wheaton, A. Chipanshi, C. Lin, D. Sauchyn, and L. Wen*, 2011, SRC Publication: 11602-1A11
- Drought: Past Problems and Future Scenarios**, Journal Article and Book Review, in: *Canadian Water Resources Journal*, Book Review of “Sheffield, J. and E.F. Wood, Earthscan Ltd., ISBN 978-1-84971-082-4. 210 pp., *Wittrock, V.*, 2011, SRC Publication: 11228-1E12
- Energy Saving Opportunities in Recreational Facilities**, Guest Lecture, Recreation and Tourism Program, Saskatchewan Institute of Applied Science and Technology, Saskatoon, SK, *Winder, K.*, March, 9, 2011
- Extension of Das and Butler Semianalytical Flow Model**, Journal Article, *Journal of Canadian Petroleum Technology* Volume 50(6): 53-60, *Knorr, K.D. and M. Imran*, June 2011
- Friction Loss Predictions For Pipeline Flows of Multispecies, Fine-Particle Slurries**, Conference Proceedings, 15th International Conference Transport and Sedimentation of Solid Particles, Wroclaw, Poland, *Spelay, R.B., D.P. Gillies, R.G. Gillies and R.S. Sanders*, September 6-9, 2011
- From Drought to Deluge: How do We Cope with These Extremes?**, Abstract and Journal Paper, 19th Conference on Applied Climatology; 36th Annual Meeting of the American Association of State Climatologists and Practical Solutions for a Warming World: AMS Conference on Climate Adaptation, Asheville, NC, 3 pp., *Koshida, G., E. Wheaton, V. Wittrock, E. Siemens and D. Smeh*, July 18-20 2011, SRC Publication: 13077-6E11
- Further Development of Standardized Boreal Forest Plant Test Methods**, Poster Presentation, SETAC Laurentian Annual Meeting, Kingston, ON, *Lemieux, H., M. Malette, M. Moody, J. Prinz, J. Velicogna and R. Scroggins*, June 2011
- Golden Year for SRC’s Pipe Flow Technology Centre**, Magazine Article, *Saskatchewan Oil Report*, p. 34-37, *Procknow, J.*, April 2011
- Groundwater Mapping: The Next Generation**, Magazine Article, *Broadview Express*, 12 pp., *Procknow, J.*, May 2, 2011
- Innovations in Green Energy**, Invited Presentation, Networks of Centres of Excellence Annual Meeting, Ottawa, ON, 34 slides, *McVicar, G.*, December 6, 2011
- Island Forest Futures: Climate Change Impacts on the Forest Fringe in Saskatchewan**, Presentation, Canadian Institute of Forestry Webinar Series “The Forest on Your Desktop”, *Johnston, M. and E. Qualtiere*, November 23, 2011
- Mapping Quantitative Trait Loci Associated with Spot Blotch and Net Blotch Resistance in a Doubled-Haploid Barley Population**, Abstract and Journal Article, *Mol. Breed.* 10.1007/s11032-011-9616-4; *Mol. Breed.* 30: 267-279 (DOI 10.1007/s11032-011-9616-4), *Grewal, T.S., B.G. Rossnagel and G.J. Scoles*, December 2011
- Maximize Your Value**, Presentation, Canadian Institute of Mining and Metallurgy Annual Conference, *Zhang, J.*, May 2011
- Mineral Processing- Rare Earths - CIM Saskatoon - Mineral Processing Night**, Presentation, Saskatoon Branch Canadian Institute of Mining and Metallurgy Night Meeting, Saskatoon, SK, *Zhang, J.*, October 2011
- Modelling the Chemistry of In-Situ Combustion**, Conference Presentation, 32nd Annual Symposium and Workshop, IEA Collective Project on Enhanced Oil Recovery, Vienna, Austria, *Freitag, N.*, October 16-19, 2011
- Natural Hazards and First Nation Community Setting: Challenges for Adaptation**, Presentation, Book Contribution and Conference Paper, “Ravage of the Planet III” Third International Conference on Management of Natural Resources, Sustainable Development and Ecological Hazards Conference, Malaysia, *Kulshreshtha, S., E. Wheaton and V. Wittrock*, December 13-15, 2011, SRC Publication(s): 11228-8A11; 11228-4E11
- New Experimental Model Design for Systematic Investigation of Capillarity and Drainage Height Roles in Vapor Extraction Process**, Conference Presentation and Journal Article, Society Petroleum Engineers, Western North American Region Meeting, Anchorage, AK; <http://www.onepetro.org/mslib/servlet/onepetroreview?id=SPE-144541-MS&soc=SPE>, *Ahmadloo, F., K. Asghari, A. Henni and N. P. Freitag*, 2011
- Northern Saskatchewan River Watershed: Drought and Excessive Moisture Preparedness Plan**, Research Report, Northern Saskatchewan River Watershed; Saskatchewan Watershed Authority and Natural Resources Canada, 48 pp., *Rowan, K., J. Pittman, V. Wittrock, K. Finn and J. Kindrachuk*, July 2011, SRC Publication: 13022-8E11
- NSERC CREATE: Collaborative Research and Training Experience Program**, Invited Panel Speaker, Research Services, University of Saskatchewan, Saskatoon, SK, *Schramm, L.L.*, March 14, 2011
- Oil Industry Gushing Over Breakthrough for Bakken**, Magazine Article, *Saskatchewan Oil Report*, p. 92-93, *Procknow, J.*, April 2011
- Osmotic Repulsion Force Due to Adsorbed Surfactants**, Electronic Journal Publication, *Colloids and Surfaces B*, Electronic Publication Reference: doi:10.1016/j.colsurfb.2011.10.050, *Babchin, A.J. and L.L. Schramm*, 2011
- Planning for National Drought and Excessive Moisture Workshops: The Challenge for Canada of Shifting Drought and Excessive Moisture Patterns**, Research Report, Prepared for Adaptation and Impacts Research Section, Environment Canada, 12 pp., *Wheaton, E., V. Wittrock, G. Koshida and E. Siemens*, March 2011, SRC Publication: 13077-3E11
- Preparing for More Climate Change**, Invited Presentation, Saskatchewan Energy Management Task Forces Meeting, Saskatoon, SK, *Wheaton, E.*, January 12, 2011
- Pyrolysis and Torrefaction Technologies for Biomass Energy Densification**, Presentation, International Biomass Conference and Expo, St. Louis, MO, *Wang, Z.*, May 2, 2011
- Research and Development Impact Assessment for Innovation-Enabling Organizations**, Journal Publication, *Canadian Public Administration*, 54(4) 567-581, *Schramm, L.L., W. Nyirfa, K. Grismer and J. Kramers*, December 2011
- Revegetation for Cleanup of Abandoned Uranium Mining Sites In Saskatchewan**, Poster, 5th Mining and Environment International Conference, Sudbury, ON, *Klyashtorin A., E. Petelina, J. Thorpe and T. Yankovich*, June 25-30, 2011
- Rough Diamond Descriptions**, Poster Presentation, International Gemological Institute of America (GIA) Gemological Symposium 2011, Advancing The Science and Business of Gems, Carlsbad CA, *Klettke, J.*, May 29-30, 2011

- Saskatchewan Net Metering Rebate Program**, Invited Presentation, Alternative Energy Forum and Fair, Moose Jaw, SK, *Winder, K.*, February 5, 2011
- Saskatoon's 2011 Weather in Review**, Magazine Article, Saskatoon Express, 8 pp., *Procknow, J.*, January 2011
- Small Wind Turbine Performance – A Field Study**, Invited Presentation, Renewable Energy Incentive Program Workshop, Regina, SK, *Winder, K.*, April 28, 2011
- Social and Economic Indicators of Vulnerability: Preliminary Community Profiles. Main Report with Summary Tables**, Research Report, Prepared for Vulnerability and Adaptation to Climate Extremes in the Americas (VACEA), 137 pp., *Wittrock, V. and S. Kulshreshtha*, December 2011, SRC Publication: 13235-1E11
- Solvent Chamber Development in 3D Physical Model Experiments of Solvent Vapour Extraction Processes (SVX) with Various Permeabilities and Solvent Vapour Qualities**, Presentation, Paper # CSUG/SPE 149190-PP, Presented at Canadian Unconventional Resources Conference, Calgary, AB, *Knorr, K.D. and M. Imran*, November 15-17, 2011
- SRC Offers Diverse Range of World-Class Services**, Editorial, Northern Miner Magazine, *Procknow, J.*, Summer 2011
- SRC's Feed Opportunities for Biofuel Industry Projects**, Presentation, FOBI Annual General Meeting, *Powell, E.*, March 10, 2011
- Study Sheds Light on Green Pulse Production**, Interview, PulsePoint Magazine, *Wismer, M.*, June 2011,
- Swift Current Creek Watershed: Drought and Excessive Moisture Preparedness Plan**, Research Report, Swift Current Creek Watershed Stewards; Saskatchewan Watershed Authority and Natural Resources Canada, 45 pp., *Rowan, K., J. Pittman and V. Wittrock*, March 2011, SRC Publication: 13022-6E11
- Systematic Diamond Descriptions for Use in Geology and Exploration Geology and Exploration**, Poster and Abstract, Advancing the Science of Business and Gems, Gemological Institute of America (GIA) Symposium, Carlsbad, CA; Gems and Gemology Magazine, Summer 2011 Issue, p. 139, *Klettke, J.*, 2011
- The Changing Role of Government Research Labs in Regional Innovation Systems**, Invited Speaker and Panel Monitor, ReSearch Money Conference, Ottawa, ON, *Schramm, L.L.*, May 11-12, 2011
- The Goldilocks Dichotomy: Too Wet or Too Dry. Assiniboine River Watershed**, Invited Presentation, Assiniboine River Watershed Stewards, Yorkton, SK; Prepared for the Saskatchewan Watershed Authority, 41 slides, *Wittrock, V., E. Wheaton and E. Siemens*, January 19, 2011, SRC Publication: 13022-2D11
- The Goldilocks Dichotomy: Too Wet or Too Dry. North Saskatchewan River Watershed**, Invited Presentation, North Saskatchewan River Watershed Stewards, North Battleford, SK; Prepared for the Saskatchewan Watershed Authority, 41 slides, *Wittrock, V., E. Wheaton and E. Siemens*, Spring 2011, SRC Publication: 13022-3D11
- The Goldilocks Dichotomy: Too Wet or Too Dry. Swift Current Creek Watershed**, Invited Presentation, Swift Current Creek Watershed Stewards, Prepared for the Saskatchewan Watershed Authority, Swift Current, SK, 41 slides, *Wittrock, V., E. Wheaton and E. Siemens*, January 11, 2011, SRC Publication: 13022-1D11
- The Goldilocks Dichotomy: Too Wet or Too Dry. The Milk River Watershed**, Invited Presentation, Prepared for the Saskatchewan Watershed Authority, Eastend, SK, 46 slides, *Wittrock, V. and E. Wheaton*, November 17, 2011, SRC Publication: 13022-12D11
- The Goldilocks Dichotomy: Too Wet or Too Dry. The Moose Jaw Watershed**, Invited Presentation, Prepared for the Saskatchewan Watershed Authority, Moose Jaw, SK, 45 slides, *Wittrock, V. and E. Wheaton*, November 17, 2011, SRC Publication: 13022-10D11
- The Goldilocks Dichotomy: Too Wet or Too Dry. The Old Wives Lake Watershed**, Invited Presentation, Prepared for the Saskatchewan Watershed Authority, Gravelbourg, SK, 45 slides, *Wittrock, V. and E. Wheaton*, November 17, 2011, SRC Publication: 13022-9D11
- The Goldilocks Dichotomy: Too Wet or Too Dry. The Upper Qu'Appelle River Watershed**, Invited Presentation, Prepared for the Saskatchewan Watershed Authority, 46 slides, *Wittrock, V. and E. Wheaton*, November 2011, SRC Publication: 13022-11D11
- The Goldilocks Dichotomy: Too Wet or Too Dry. Upper Souris Watershed**, Invited Presentation, Upper Souris River Watershed Stewards, Prepared for the Saskatchewan Watershed Authority, 41 slides, *Wittrock, V., E. Wheaton and E. Siemens*, March 2011, SRC Publication: 13022-4D11
- The Model Forest Approach: Building Partnerships for Sustainability**, Presentation, Bodo University, Nordland, Norway; University of Saskatchewan, Saskatoon SK, *Johnston, M.*, April 4, 2011
- The SRC CRS at the CLC Installation Process 2010-2011**, Invited Presentation, Conservation Learning Centre Open House, Prince Albert, SK, 12 slides, *Wittrock, V.*, July 2011, SRC Publication: 13000-4D11
- Tree Species Vulnerability to Climate Change**, Presentation, Canadian Institute of Forestry Annual General Meeting and Conference, Huntsville, ON, *Johnston, M.*, September 22, 2011
- Vulnerability to Climate Change in Rural Saskatchewan: Case study of the Rural Municipality of Rudy No. 284**, Journal Article, Journal of Rural Studies: 27:82-94. doi:10.1016/j.jrurstud.2010.07.004, *Pittman, J., V. Wittrock, S.N. Kulshreshtha and E. Wheaton*, 2011, SRC Publication: 11899-7E10
- What are the Benefits of Droughts? Concepts and Examples to Promote Effective Adaptation Information Services**, Research Report, Prepared for Adaptation and Impacts Research Section, Environment Canada, 9 pp., *Wheaton, E., V. Wittrock, G. Koshida, E. Siemens and D. Smeh*, March 2011, SRC Publication: 13077-1E11
- What Effects do Droughts have in Canada? Highlights of the Repercussions of a Major, Multi-year Drought**, Book Chapter, The 1999-2005 Canadian Prairies Drought: Science, Impacts and Lessons. Funded by Canadian Foundation for Climate and Atmospheric Sciences. Canada Drought Research Initiative, Winnipeg, MB; p. 23-24, *Wheaton, E., in Stewart, R. and R. Lawford (editors), A. Boisvert (technical editor)*, 2011, SRC Publication: 11602-3A10
- Where Does the Energy Go?**, Guest Lecture, BLE 295 Introduction to Biosystems Engineering, University of Saskatchewan, Saskatoon, SK, *Winder, K.*, November 10, 2011
- Wood Supply and Climate Change**, Presentation, Saskatchewan Environment Forest Service Branch, Prince Albert, SK, *Johnston, M. and E. Qualtiere*, May 9, 2011
- Wood Supply and Climate Change II**, Presentation, Saskatchewan Environment Forest Service Branch, Prince Albert, SK, *Johnston, M. and E. Qualtiere*, December 20, 2011

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