Climate Change Research Publication Series

The reports listed below are published by the Ontario Ministry of Natural Resources under the provincial climate change initiative. They can be downloaded from: http://www.mnr.gov.on.ca/en/Business/ClimateChange/Publication/index.html

Reports

- CCRR-01 Wotton, M., K. Logan and R. McAlpine. 2005. Climate Change and the Future Fire Environment in Ontario: Fire Occurrence and Fire Management Impacts in Ontario Under a Changing Climate.
- CCRR-02 Boivin, J., J.-N. Candau, J. Chen, S. Colombo and M. Ter-Mikaelian. 2005. The Ontario Ministry of Natural Resources Large-Scale Forest Carbon Project: A Summary.
- CCRR-03 Colombo, S.J., W.C. Parker, N. Luckai, Q. Dang and T. Cai. 2005. The Effects of Forest Management on Carbon Storage in Ontario's Forests.
- CCRR-04 Hunt, L.M. and J. Moore. 2006. The Potential Impacts of Climate Change on Recreational Fishing in Northern Ontario.
- CCRR-05 Colombo, S.J., D.W. McKenney, K.M. Lawrence and P.A. Gray. 2007. Climate Change Projections for Ontario: Practical Information for Policymakers and Planners.
- CCRR-06 Lemieux, C.J., D.J. Scott, P.A. Gray and R.G. Davis. 2007. Climate Change and Ontario's Provincial Parks: Towards an Adaptation Strategy.
- CCRR-07 Carter, T., W. Gunter, M. Lazorek and R. Craig. 2007. Geological Sequestration of Carbon Dioxide: A Technology Review and Analysis of Opportunities in Ontario.
- CCRR-08 Browne, S.A. and L.M Hunt. 2007. Climate Change and Nature-based Tourism, Outdoor Recreation, and Forestry in Ontario: Potential Effects and Adaptation Strategies.
- CCRR-09 Varrin, R. J. Bowman and P.A. Gray. 2007.
 The Known and Potential Effects of Climate
 Change on Biodiversity in Ontario's Terrestrial
 Ecosystems: Case Studies and Recommendations
 for Adaptation.
- CCRR-11 Dove-Thompson, D. C. Lewis, P.A. Gray, C. Chu and W. Dunlop. 2011. A Summary of the Effects of Climate Change on Ontario's Aquatic Ecosystems.
- CCRR-12 Colombo, S.J. 2008. Ontario's Forests and Forestry in a Changing Climate.

- CCRR-13 Candau, J.-N. and R. Fleming. 2008.
 Forecasting the Response to Climate Change of the Major Natural Biotic Disturbance Regime in Ontario's Forests: The Spruce Budworm.
- CCRR-14 Minns, C.K., B.J. Shuter and J.L. McDermid. 2009. Regional Projects of Climate Change Effects on Ontario Lake Trout (*Salvelinus namaycush*) Populations.
- CCRR-15 Subedi, N., M. Sharma, and J. Parton. 2009. An Evaluation of Site Index Models for Young Black Spruce and Jack Pine Plantations in a Changing Climate.
- CCRR-16 McKenney, D.W., J.H. Pedlar, K. Lawrence, P.A. Gray, S.J. Colombo and W.J. Crins. 2010.

 Current and Projected Future Climatic

 Conditions for Ecoregions and Selected Natural
 Heritage Areas in Ontario.
- CCRR-17 Hasnain, S.S., C.K. Minns and B.J. Shuter. 2010. **Key Ecological Temperature Metrics for Canadian Freshwater Fishes.**
- CCRR-18 Scoular, M., R. Suffling, D. Matthews, M. Gluck and P. Elkie. 2010. Comparing Various Approaches for Estimating Fire Frequency: The Case of Quetico Provincial Park.
- CCRR-19 Eskelin, N., W. C. Parker, S.J. Colombo and P. Lu. 2011. Assessing Assisted Migration as a Climate Change Adaptation Strategy for Ontario's Forests: Project Overview and Bibliography.
- CCRR-20 Stocks, B.J. and P.C. Ward. 2011. Climate Change, Carbon Sequestration, and Forest Fire Protection in the Canadian Boreal Zone.
- CCRR-21 Chu, C. 2011. Potential Effects of Climate Change and Adaptive Strategies for Lake Simcoe and the Wetlands and Streams within the Watershed.
- CCRR-22 Walpole, A and J. Bowman. 2011. Wildlife Vulnerability to Climate Change: An Assessment for the Lake Simcoe Watershed.
- CCRR-23 Evers, A.K., A.M. Gordon, P.A. Gray and W.I. Dunlop. 2012. Implications of a Potential Range Expansion of Invasive Earthworms in Ontario's Forested Ecosystems: A Preliminary Vulnerability Analysis.

- CCRR-24 Lalonde, R., J. Gleeson, P.A. Gray, A. Douglas, C. Blakemore and L. Ferguson. 2012. Climate Change Vulnerability Assessment and Adaptation Options for Ontario's Clay Belt A Case Study.
- CCRR-25 Bowman, J. and C. Sadowski. 2012.

 Vulnerability of Furbearers in the Clay Belt to Climate Change.
- CCRR-26 Rempel, R.S. 2012. Effects of Climate Change on Moose Populations: A Vulnerability Analysis for the Clay Belt Ecodistrict (3E-1) in Northeastern Ontario.
- CCRR-27 Minns, C.K., B.J. Shuter and S. Fung. 2012. Regional Projections of Climate Change Effects on Ice Cover and Open-Water Duration for Ontario Lakes
- CCRR-28 Lemieux, C.J., P. A. Gray, D.J. Scott, D.W. McKenney and S. MacFarlane. 2012. Climate Change and the Lake Simcoe Watershed: A Vulnerability Assessment of Natural Heritage Areas and Nature-based Tourism.
- CCRR-29 Hunt, L.M. and B. Kolman. 2012. Selected Social Implications of Climate Change for Ontario's Ecodistrict 3E-1 (The Clay Belt).
- CCRR-30 Chu, C. and F. Fischer. 2012. Climate Change Vulnerability Assessment for Aquatic Ecosystems in the Clay Belt Ecodistrict (3E-1) of Northeastern Ontario.
- CCRR-31 Brinker, S. and C. Jones. 2012. The Vulnerability of Provincially Rare Species (Species at Risk) to Climate Change in the Lake Simcoe Watershed, Ontario, Canada.
- CCRR-32 Parker, W.C., S.J. Colombo, and M. Sharma. 2012. An Assessment of the Vulnerability of Forest Vegetation of Ontario's Clay Belt (Ecodistrict 3E-1) to Climate Change.
- CCRR-33 Chen, J, S.J. Colombo, and M.T. Ter-Mikaelian. 2013. Carbon Stocks and Flows From Harvest to Disposal in Harvested Wood Products from Ontario and Canada.

Notes

- CCRN-01 Warner, B.G., J.C. Davies, A. Jano, R. Aravena, and E. Dowsett. 2003. Carbon Storage in Ontario's Wetlands.
- CCRN-02 Colombo, S.J. 2006. How OMNR Staff
 Perceive Risks Related to Climate Change and
 Forests.
- CCRN-03 Obbard, M.E., M.R.L. Cattet, T. Moody, L.R. Walton, D. Potter, J. Inglis, and C. Chenier. 2006. Temporal Trends in the Body Condition of Southern Hudson Bay Polar Bears.
- CCRN-04 Jackson, B. 2007. Potential Effects of Climate Change on Lake Trout in Atikokan Area.
- CCRN-05 Bird, N.D. and E. Boysen. 2006. The Carbon Sequestration Potential from Afforestation in Ontario.
- CCRN-06 Colombo, S.J., J. Chen and M.T. Ter-Mikaelian. 2006. Carbon Storage in Ontario's Forests, 2000-2100.
- CCRN-07 Trumpickas, J., B.J. Shuter and C.K. Minns. 2008. Potential Changes in Future Surface Water Temperatures in the Ontario Great Lakes as a Result of Climate Change.
- CCRN-08 Colombo, S.J., B. Boysen, K. Brosemer, A. Foley and A. Obenchain. 2008. Managing Tree Seed in an Uncertain Climate: Conference Summary.
- CCRN-09 Gleeson, J., G. Nielsen and W.C. Parker. 2009. Carbon Offsets from Afforestation and the Potential for Landowner Participation in Ontario.
- CCRN-10 Parker, W.C., G. Nielsen, J. Gleeson and R. Keen. 2009. Forecasting Carbon Storage and Carbon Dioxide Offsets for Southern Ontario Afforestation Projects: The 50 Million Tree Planting Program.
- CCRN-11 Gleeson, J. and D. La Croix-McDougall. 2009. MNR's Carbon Footprint: An Assessment for Three Business Areas.