

13 References

- Alkaeed, O., Flores, C., Jinno, K., and Tsutsumi, A., 2006, Comparison of Several Reference Evapotranspiration Methods for Itoshima Peninsula Area, Fukuoka, Japan, 66.
- Allen, R.G., Pereira, L.S., Raes, D., Smith, M., 1998, Crop evapotranspiration: Guidelines for computing crop water requirements- FAO Irrigation and drainage paper 56.
- AquaResources & Golder Associates, 2009, Nottawasaga Valley Conservation Authority- Water Budget Model- Geological/Hydrostratigraphic Model Development Interim Report.
- AquaResources & Golder Associates, 2010, South Georgian Bay, West Lake Simcoe Study Area Tier Two Water Budget and Stress Assessment.
- Arnold, J.G., Allen, P.M., Muttiah, R., & Brenhardt, G, 1995, Automated Baseflow Separation and Recession Analysis Techniques, 33 (6).
- Baird & Associates, 2010g, Surface Water Vulnerability Analysis for LSRCA. City of Orillia Water Filtration Plant.
- Baird & Associates, 2010h, IPZ Delineation and Vulnerability Scoring for SGB-LS SPR. Georgian Bay Intakes.
- Barnett, P.J., 1992, Quaternary geology of Ontario; in Geology of Ontario, eds. P.C. Thurston, H.R. Williams, R.H. Sutcliffe, and G.M. Scott, 4.
- Barnett, P.J., 1997, Quaternary Geology, eastern half of the Barrie and Elmvale areas: OGS Map 2645, Scale 1:50,000.
- Brown, D.M., McKay, G.A., and Chapman, L.J., 1980, The climate of Southern Ontario, 5.
- Chapman, J.L. and Putman, D.F., 1984, The Physiography of Southern Ontario, 2.
- Davies, S., Doughty, M., Gerber, R., and Holysh, S., 2008, Geology and Groundwater Resource Evaluation of the Lake Simcoe.
- Watershed. Draft for the Ontario Ministry of Northern Development and Mines/ Ontario Geological Society- Groundwater Resource Program.
- DeLoë, 2002. Agricultural Water Use in Ontario by Watershed: Estimates for 2001. Prepared for

the Ontario Ministry of Natural Resources. August 15, 2002.

De Loe, R., 2005, Assessment of Agricultural Water Use/Demand Across Canada [Final report for Sustainable Water Use Branch Water Use Branch Water Policy and Coordination Directorate, Environment Canada] Guelph Ontario: Rob de Loe Consulting Service.

Deane, R.E., 1950, Pleistocene Geology of the Lake Simcoe District, Ontario, 256.

Dreimanis, A., 1977, Late Wisconsinan glacial retreat in the Great Lakes region, North America, 288.

Duncan, K., Guidotti, T., Weiping, C., Naidoo, K., Gibson, G., Kalkstein, L., Sheridan, S., Waltner-Toews, D., MacEachern, S., and Last, J, 1998, Canada Country Study: Climate Impacts and Adaptation-Health Sector In: Responding to Global Climate Change: National Sectorial Issues Volume 7 of the Canada Country Study: Climate Impacts and Adaptation [Environment Canada].

Earthfx Incorporated, 2006, Final Report, Groundwater Modelling of the Oak Ridges Moraine Area Including Yonge Street.

Aquifer and Toronto and Region Conservation Watersheds, Report prepared for York- Peel-Durham Toronto Groundwater Management Strategic Study.

Earthfx, 2010, Tier One Water Budget and Water Quantity Stress Assessment of the Severn Sound Watershed.

EnviroChex Inc, 2001, Engineer's Report – Rayko #6 Water Works System.

Expert Panel on Climate Change Adaptation, 2009, Adapting to climate change in ontario: Towards the design and implementation of a strategy and action plan, report to the Minister of the Environment.

Finamore, P.F and Bajc, A.f., 1984, Quaternary Geology of Orillia Area, Southern Ontario, Map P2697.

Finamore, P.F., 1985, Glacial Lake Algonquin and the Fenelon Falls Outlet, GSA Special Paper 30.

Gartner Lee Limited, 2004, Geology and Hydrology of York Region, Draft for discussion prepared for The Regional Municipality of York, Reference # GLL 22-104.

Genivar, 2010a, Assessment of Drinking Water Threats – Selected Municipal Groundwater supplies – South Georgian Bay Lake.

Simcoe Source Protection Region. Updated 2011 to include revisions based on review comments and include additional intake.

Genivar, 2010d, Delineation of Highly Vulnerable Aquifers (HVA)- South Georgian Bay-Lake Simcoe Source Protection Region DRAFT.

Gerber, R.E., Boyce, J.I., and Howard, K.W.F., 2001, Evaluation of heterogeneity and field-scale groundwater flow regime in a leaky till aquitard, 9.

Golder Associates Ltd, 2004, North Simcoe Groundwater Study WHPA- Township of Severn Appendix I.

Golder Associates Ltd, 2004, South Simcoe Groundwater Study WHPA: Township of Springwater Appendix L.

Golder Associates Ltd, 2004, South Simcoe Municipal Groundwater Study.

Golder Associates Ltd, 2005, North Simcoe Municipal Groundwater Study.

Golder Associates Ltd, 2005, North Simcoe Groundwater Study WHPA- Town of Penetanguishene Appendix G.

Golder Associates Ltd, 2005, North Simcoe Groundwater Study WHPA- Town of Midland Appendix D.

Golder Associates Ltd, 2005, North Simcoe Groundwater Study WHPA- City of Orillia Appendix E.

Golder Associates Ltd, 2005, North Simcoe Groundwater Study WHPA: Township of Tay (Appendix K).

Golder Associates Ltd, 2005, North Simcoe Groundwater Study WHPA: Township of Severn Appendix I.

Golder Associates Ltd, 2005, North Simcoe Groundwater Study WHPA: Township of Spring Water Appendix J.

Golder Associates Ltd, 2009, WHPA-E Delineations for Town of Midland and Township of Tiny Municipal Wells.

Golder Associates Ltd, 2010a, Town of Midland Draft Source Water Protection Threat

Assessment.

Golder Associates Ltd, 2010b, Town of Penetanguishene Draft Source Water Protection Threat Assessment.

Golder Associates Ltd, 2010c, Township of Tiny Source Water Protection Threat Assessment.

Golder Associates Ltd, 2014, Midland and Penetanguishene Tier Three Water Budget and Local Area Risk Assessment.

Golder Associates Ltd, 2014b, Wellhead Protection Area and Vulnerability Update, Vindin Street, Fourth Street and Dominion Avenue Wells – Town of Midland: Technical Memorandum.

Golder Associates Ltd., 2020, WHPA Delineation and Threat Assessment: Braestone Development Corporation.

Hamon, W.R, 1961, Estimating Potential Evapotranspiration, 87.

IPCC, 2007, Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M.

Jagger Hims Limited (JHL), 2008, Wellhead Protection Study, Communal Water Supply Wells, Buffalo Springs Residential Development, Township of Oro-Medonte, County of Simcoe.

Tignor and H.L. Miller (eds)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 996pp.

Karrow, P.F and S. Occhietti, 1989, Quaternary geology of the St. Lawrence lowlands of Canada, in R.J. Fulton (ed.), Quaternary Geology of Canada and Greenland, K-1.

Kohler, M.A., and Parmele, L.H., 1967, Generalized Estimates of Free Water- Evaporation, 3 (4).

Limno-Tech Inc, 2001, Review of Annex 1 of the Great Lakes Water Quality Agreement, Prepared for: Parties implementation work group Great Lakes Science Advisory Board International Joint Commission.

Linacre, E.T., 1967, Climate and Evapotranspiration from Crops, J.Irrig. Drain Division, 93.

Linsley, R.K., Kohler, M.A., Paulhus, J.L.H., 1975, Hydrology for Engineers, Second Edition.

Lotowater Geosciences Consultants Ltd., 2004, Hydrogeological Study for GUDI Severn Estates Well Supply. Prepared for Township of Severn.

Ministry of the Environment, 2007, Assessment report: guidance module 7 water budget and water quantity risk assessment, draft.

Ministry of the Environment, 2008a, Technical Rules: Assessment Report, Clean Water Act (2006). Amendments November 16, 2009.

Ministry of the Environment, 2008b, Table of Drinking Water Threats, Clean Water Act 2006. Dated December 12, 2008.

Ministry of the Environment, 2009a, Tables of Drinking Water Threats, Clean Water Act 2006. Amendments November 16, 2009.

Ministry of the Environment, 2009b, Technical Bulletin: Proposed Methodology for Calculating Percentage of Managed Lands and Livestock Density for Land Application of Agricultural Source of Material, Non-Agricultural Source of Material and Commercial Fertilizers.

Ministry of the Environment, 2010a, Technical Bulletin: Threats Assessment and Issues Evaluation.

Ministry of the Environment, 2010b, Survey of the Occurrence of Pharmaceuticals and Other Emerging Contaminants in Untreated Source and Finished Drinking Water in Ontario.

Ministry of the Environment, 2013, Assignment of Water Quantity Risk based on the Evaluation of Impacts to Other Water Uses. Memorandum issued December, 2013.

Ministry of Natural Resources and Ministry of Environment, 2011, Water Budget and Water Quantity Risk Assessment Guide.

Nottawasaga Valley Conservation Authority, 2010, The Report on the HSPF Model NVCA and SSEA Watersheds: Tier Two Water Budget Source Water Protection.

O'Connor, D.R., 2002a, Report of the Walkerton Inquiry: Part 2 – A Strategy for safe Drinking Waters. The Walkerton Inquiry, Toronto.

O'Connor, D.R., 2002b, Report of the Walkerton Inquiry: Part 1 – The Events of May 2000 and Related Issues. The Walkerton Inquiry, Toronto.

Palmer, W.C., & Haven, A.V., 1958, A graphical technique for determining evapotranspiration by

the Thornthwaite method, 86.

Priestly, C.H.B., and Taylor, R.J., 1972, On the assessment of surface heat flux and evaporation using large scale parameters., 100.

Singer, S., Cheng, T., Scafe, M., Sherman, K., Shiekh, G., and Zaia, W., 1999, Severn Sound Remedial Action Plan (RAP), The.

Groundwater Resources of the Severn Sound Remedial Action Plan Area. Prepared in Cooperation with the Severn Sound Remedial Action Plan and Ministry of the Environment, Environmental Monitoring and Reporting Branch.

SNC-Lavalin, 2009, Hydrodynamic Modelling To Delineate Intake Protection Zones in Georgian Bay, Severn Sound and Little Lake.

South Georgian Bay-Lake Simcoe Source Protection Region, 2007, South Georgian Bay Lake Simcoe Watershed Region Conceptual Water Budget.

South Georgian Bay-Lake Simcoe Source Protection Region, 2010, Reducing inconsistencies in threat subcategory enumeration: Agreed approaches for ensuring consistent standards. Outcomes and decision summary.