

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.
- Aqua Insight. 2022. Source Protection Updates for the Communities of Palgrave, Caledon East, and Caledon Village.
- AquaResource Inc, 2009b, SPC Accepted Draft Integrated Water Budget Report-Tier 2 Credit Valley Source Protection Area. Prepared for Credit Valley Conservation, July 2009.
- 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.
- AquaResources, Golder Associates, & International Water Consultants, 2013, City of Barrie Tier Three Water Budget and Local Area Risk Assessment.
- Arnold, J.G., Allen, P.M., Muttiah, R., & Brenhardt, G, 1995, Automated Baseflow Separation and Recession Analysis Techniques, 33 (6)
- Baird & Associates, 2011b, IPZ-3 Delineation for SGB-LS SPR. Collingwood Intake. Draft Final Report.
- 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
- Conservation Ontario, 2006, Conservation Authorities of Ontario: Mandate.

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

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 Incorporated, 2015, Wellhead Protection Area Delineation, Vulnerability Scoring, and Threats Assessment in the Town of Shelburne, Ontario

Earthfx Incorporated, 2022, WHPA Delineation and Vulnerability Assessment- Shelburne, Ontario.

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.

Eyles, N, 2002, Ontario rocks: three billion years of environmental change: Fitzhenry & Whiteside Limited.

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~~ leaky till aquitard, 9

Golder Associates Ltd and Waterloo Hydrogeologic, 2004, South Simcoe Groundwater Study WHPA- Township of Adjala- Tosorontio Appendix d.

Golder Associates Ltd, 2004, South Simcoe Groundwater Study WHPA- Township of Essa Appendix H.

Golder Associates Ltd, 2004, South Simcoe- Groundwater Study WHPA- CFB Borden Appendix O.

Golder Associates Ltd, 2004, South Simcoe Groundwater Study WHPA- Town of Collingwood Appendix N.

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

Golder Associates Ltd, 2004, South Simcoe Groundwater Study WHPA- Town of Innisfil Appendix I.

Golder Associates Ltd, 2004, South Simcoe Groundwater Study WHPA- Town of New Tecumseth Appendix J.

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

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

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

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

Golder Associates Ltd, 2009, Source Water Protection Threats and Risk Assessment - Town of Wasaga Beach.

Golder Associates Ltd, 2009, Source Water Protection Threats and Risk Assessment - City of Barrie.

Golder Associates Ltd., 2010d, DRAFT - Source Water Protection Threat Assessment. Township of Essa.

Golder Associates Ltd., 2010e, DRAFT - Source Water Protection Threat Assessment. Town of Wasaga Beach.

Golder Associates Ltd., 2010f, Source Protection Threat Assessment. City of Barrie.

Golder Associates Ltd., 2018. Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA- Water Supply Exploration Addendum.

Golder Associates Ltd., 2019. Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA- Groundwater Modelling Addendum.

Golder Associates Ltd., 2018. Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA- Water Supply Exploration Addendum.

Golder Associates Ltd., 2019. Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA- Groundwater Modelling Addendum.

Golder, Member of WSP. 2022. Tribute (Colgan) Limited Water System Upgrade, Hamlet of Colgan, Ontario: Groundwater Modelling and Source Water Protection Evaluation.

Griffiths, R.W., 1999, BioMAP: Bioassessment of Water Quality. Centre of Environmental Training, Niagara College, Niagara-on-the-Lake, Ontario.

Gwyn, Q.H.L, 1972, Quaternary geology of the Alliston-Newmarket area, southern Ontario, miscellaneous Paper 53

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. 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

Kassenaar, J.D.C., Wexler, E.J., 2006, Groundwater modelling of the Oak Ridges Moraine area: CAMC-YPDT technical report # 01-06.

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.

Michigan Department of Environmental Quality, 2004, State of Michigan Source Water Assessment Program Report, December 2004

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, Environmental Monitoring and Reporting Branch, 2009, Provincial Groundwater Monitoring Network Protocol - A Guide to the Collection and Submission of Groundwater Samples for Analysis (revised), Toronto, Ontario.

Ministry of the Environment, Conservation, and Parks. 2021. 2021 technical rules under the Clean Water Act (<https://www.ontario.ca/page/2021-technical-rules-under-clean-water-act>).

National Sectorial Issues Volume 7 of the Canada Country Study: Climate Impacts and Adaptation [Environment Canada]

Nottawasaga Valley Conservation Authority, 2007, Nottawasaga Valley Conservation Authority Watershed Report Cards - Draft.

Nottawasaga Valley Conservation Authority, 2009, Groundwater Overview.

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

Pollock, D.W., 1989, Documentation of computer programs to compute and display pathlines using results from the U.S. Geological Survey modular three-dimensional finite-difference ground-water flow model.

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

R.J. Burnside & Associates Limited, 2023. Loretto Replacement Well, Wellhead Protection Area, Project Number: 300055414.

R.J. Burnside & Associates Limited, 2010a, Groundwater Vulnerability Analysis, Issues Evaluation and threats Assessment. Town of Shelburne.

R.J. Burnside & Associates Limited, 2010b, Groundwater Vulnerability Analysis, Issues Evaluation and Threats Assessment. Township of Mulmur. FINAL.

R.J. Burnside & Associates Limited, 2010c, Issues Evaluation and Threats Assessment. Town of Mono.

R.J. Burnside & Associates Limited, 2010d, Vulnerability Assessment, Issues Evaluation and Threats Assessment - FINAL. Township of Adjala-Tosorontio.

R.J. Burnside & Associates Limited, 2010e, Issues Evaluation and Threats Assessment. Region of Peel.

R.J. Burnside & Associates Limited, 2010f, Groundwater Vulnerability Assessment. Town of Mono.

R.J. Burnside & Associates Limited, 2010g, Transport Pathway Update to Groundwater Vulnerability. Region of Peel.

R.J. Burnside & Associates Limited, 2025, Colling-Woodlands PTTW P-300-9070634079 Well 2 Replacement with Well 2R. Project No: 30005885.0000

SNC Lavalin, 2011, Hydrodynamic Modelling To Assist in Delineating IPZ-3 Intake Protection Zones in Georgian Bay, Severn Sound and Little Lake.

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

Stantec, 2022a, Craighurst Groundwater Supply Investigation Report DRAFT REPORT.

Stantec, 2022b, Craighurst Municipal Water Supply Section 34 Update.

Stantec, 2024, Craighurst Supply Well No.5: Construction and Performance Testing Report. File Number: 160622914.

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, 2009, Tier One Water Budget and Water Quantity Stress Assessment of the Nottawasaga Valley Watershed.

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.

WSP Golder, 2022. Source Protection Vulnerability, Issues, and Treats Assessment: Carson Water Supply, Township of Springwater.