

Ryan Ness, M. Sc., P. Eng.

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Education

1999-2001 *University of Guelph, Guelph, Ontario*

M.Sc., Water Resources Engineering

- National Sciences and Engineering Research Council (NSERC) Scholarship.
- W.C. Woods Scholarship.
- University of Guelph Postgraduate Scholarship.

1994-1999 *University of Guelph, Guelph, Ontario*

B.Sc., Environmental Engineering

- With Honours and Distinction.
 - University of Guelph President's Scholarship.
 - Canada Scholarship.
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Experience

2003-Present *Toronto and Region Conservation Authority, Toronto, ON*

Water Resources Engineer / Manager, Water Resources

- Manage Authority initiatives and projects in areas of watershed management, hydrology, stormwater and floodplain management, and watercourse restoration and protection.
- Represent Authority water management interests through review and input to Toronto area municipal development and infrastructure projects.
- Develop policy documents and technical guidelines related to water resources management and protection.
- Manage partnership projects with federal/provincial government partners, academic institutions and private consultants.
- Supervise intermediate engineers and technical support staff.

2000-2003 *Planning and Engineering Initiatives Ltd., Kitchener, ON*

Water Resources Engineer

- Conducted water resources projects including watershed studies, hydrologic model preparation, floodplain delineation, urban drainage studies, and environmental assessments.
- Developed stormwater management plans for municipal developments and designed accompanying stormwater infrastructure and BMPs.
- Coordinated multi-disciplinary projects involving government agencies, academic institutions and private consultants.
- Supervised technicians and support staff.

1999-2001 *University of Guelph, Guelph, ON*

Graduate Research and Teaching Assistant

- Prepared and delivered lectures, seminars, and laboratory exercises for various undergraduate courses.
 - Conducted research and field work in support of faculty projects in university water resources engineering and physical geography departments.
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Ryan Ness

Professional Affiliations

- Professional Engineers Ontario, Licensed Professional Engineer
 - Association of Professional Geoscientists of Ontario, Limited License.
 - American Water Resources Association, Full Member
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Publications

Ness, R., Villard, P. and Roberti, L., 2006. "A monitoring program for river restoration projects in the Greater Toronto Area, Ontario, Canada", Proceedings of the American Water Resources Association 2006 Conference on Adaptive Management, Missoula.

Ford, D. and Ness, R., 2006. "Groundwater and Surface Water Model Integration - The Search For Truth", Proceedings of the 59 Annual Congress of the Canadian Water Resources Association, Toronto, 2006

Villard, P. and Ness, R., 2006. "Stormwater Management and Flows Below the Two-Year Return", Proceedings of the 2006 Stormwater and Urban Water Systems Modelling Conference, Toronto.

Ness, R. and Parish, J., 2004. "A Design Guide for Road Crossings of Urban Streams", Proceedings of the Third International Conference on Natural Channel Systems, Ottawa.

Hartley, M., Ness, R. and Patel, K., 2004 "Adaptive Management on Mill Creek, Cambridge", Proceedings of the Third International Conference on Natural Channel Systems, Ottawa.

Ness, R. and Joy, D. 2002. "Performance of Natural Channel Designs in Southern Ontario", Canadian Water Resources Journal, 27(3): 293-316.

Ness, R. 2001. An Evaluation of Natural Channel Design Applications in Southwestern Ontario, Master's Thesis, University of Guelph, 2001.
