



**ARCHAEOLOGICAL  
SERVICES  
INC.**

**ROBERT I. MACDONALD**

*Curriculum Vitae*

(December 2005)

## **CREDENTIALS**

### **Degrees:**

Ph.D., Anthropology, McGill University, 2002  
M.A., Anthropology, Trent University, 1986  
B.Sc., Honours Anthropology, Trent University, 1982

### **Accreditation:**

Registered Professional Archaeologist (RPA), 1999-present

### **Positions:**

Senior Archaeologist, Archaeological Services Inc.  
Adjunct Professor, Department of Anthropology, University of Waterloo  
Deputy-Director, Quaternary Sciences Institute, University of Waterloo  
Research Associate, Trent University Archaeological Research Centre  
Director, The Foundation for Public Archaeology

### **Professional and Academic Associations:**

Canadian Archaeological Association  
Society for American Archaeology  
Ontario Archaeological Society  
Register of Professional Archaeologists

## **PROFESSIONAL EXPERIENCE**

### **Archaeological Services Inc.:**

- Partner, 2002-present
- Senior Archaeologist, 1989-present
- Area Manager, Southern Ontario - Planning, 2004 - present;
- Manager of Hamilton/Burlington office, 2002-2004;
- Manager of Information Technology (IT), 1995-2003;
- Co-manager of Stratford office, 1992-1995
- Head of Waterloo Division, 1989-1992
- Operations Manager, 1987
- Staff Archaeologist, 1986-1988
- Research Associate, 1982-1986
- Director of several hundred archaeological surveys, excavations, and comprehensive heritage resource assessments on lands throughout the Province of Ontario with sites of all major cultural and temporal periods

### **Professional Appointments:**

- Deputy-Director, Quaternary Sciences Institute, University of Waterloo, 1998-present
- Member, Quaternary Sciences Institute, University of Waterloo, 1992-1998
- Treasurer, Foundation for Public Archaeology, 1982-present
- Research Associate, Trent University Archaeological Research Centre, 2003-present

### **Professional Awards and Achievements:**

- Ontario Archaeological Society - recipient of the Peggy Armstrong Provincial Public Archaeology Award, October 1998 (with Ronald Williamson for publication of *Legacy of Stone: Ancient Life on the Niagara Frontier*)

### **Selected Stage 1 and Stage 2 Archaeological Assessments:**

#### (i) Land–use Planning Projects:

Project Director for over 100 plans of subdivision, consents, and zone change applications throughout southern Ontario, including:

- Dalewood Meadows subdivision (34T-92001), City of St. Thomas, Elgin County (*City of St. Thomas*);
- Fieldcrest Homes Condominium site, Town of Dundas, RM Hamilton-Wentworth (*Falcone Smith Associates Inc.*);
- Grand River South subdivisions (30T-88027, -88028, -88029), City of Kitchener, RM Waterloo (*MacNaughton Hermsen Britton Clarkson Planning Limited*);
- Highbush/Altona Forest subdivision (18T-88074), Town of Pickering, RM Durham (*Bramalea*);
- Mattamy Homes subdivision, City of Cambridge, RM Waterloo (*Mattamy Homes*);
- Montgomery Village subdivision (22T-92004), Town of Orangeville, Dufferin County (*River Oaks Group*);
- Proposed subdivision 21T-87053-M, City of Mississauga, RM Peel (*Venturon Development Corp.*);
- The Community of Eastbridge Concept Plan, City of Waterloo, RM Waterloo (*Cumming Cockburn Limited*);
- Westminster Woods East Subdivision (23T-01505), City of Guelph, Wellington County (*Stantec Consulting Ltd.*);

(ii) Environmental Assessment Projects:

Project Director for over 30 EA projects, including:

- Archaeological Component of the Cambridge Area Route Selection Study, City of Cambridge, RM Waterloo (*Stantec Consulting Ltd.*);
- Archaeological Assessment and Built Heritage Assessment of Highway 7 from Carleton Place to Highway 417/17, Lanark County and RM Ottawa-Carleton (*Totten Sims Hubicki Associates*);
- Realignment of Highway 69, District of Parry Sound and District Municipality of Muskoka (*Cole, Sherman and Associates*);
- Stage 1 Archaeological Assessment for the Highway 401/45 Preliminary Design Study, Northumberland County (*National Capital Engineering*);
- Proposed NPS 48 Pipeline from Owen Sound Valve site to Brantford Transmission Station, North Dumfries Township, RM Waterloo (*Union Gas Limited*);
- Peterborough Wastewater Treatment Facility Class EA, City of Peterborough, Peterborough County (*Gore and Storrie Limited*);

Project Archaeologist for:

- Essa TS x Collingwood TS 115kV Transmission Line Upgrade, Vespra, Sunnidale, and Nottawasaga Townships, Simcoe County (*Ontario Hydro*);
- Proposed NPS 26 Pipeline Replacement, Township of North Dumfries, RM Waterloo (*Union Gas Limited*);
- Review of Interim Waste Authority EA Document IV, Archaeology and Heritage Criteria Groups, RM Peel (*Town of Caledon*);

**Selected Stage 3 and Stage 4 Archaeological Excavations:**

i) Pre-contact Aboriginal:

Project Director for:

- King's Forest Park site (AhGw-1), an Early Iroquoian Village (*ca* A.D. 1250) in the City of Hamilton, 1999-2002 (also Public Excavation Program in 1999);
- Deer Ridge Site (AiHc-194), Late Archaic (*ca.* 800 B.C.) camp site, City of Kitchener, RM Waterloo (*MHBC Planning Limited*);
- Battlefield Creek site (AhGw-98) undetermined pre-contact lithic scatter, Town of Stoney Creek, RM Hamilton-Wentworth (*R.E. Winter & Associates Ltd.*);
- Monarch Knoll site (AiHc-21) Middle Woodland period burial, City of Kitchener, RM Waterloo;

Project Archaeologist for:

- Bunt site (AhHc-62)—test excavations at a late Middle Archaic fishing station, Township of

- North Dumfries, RM Waterloo (*Union Gas Limited*);
- Cashbrown Site (AiHd-42)—salvage excavation of an Early Woodland (c. 1,000 to 400 B.C.) site in the City of Waterloo (*Dryden, Smith and Head Planning Consultants Limited*);
- Doyle site (BdGx-17) and McKernan site (BdGx-18)—controlled surface collection of a Early Archaic/ Middle Woodland site and an Early Woodland site, respectively, Flos Township, Simcoe County (*The Sarjeant Company Ltd.*);
- Hibou site (AlGo-50)—salvage excavation of an undisturbed Early Iroquoian (c. A.D. 700 to 900) settlement near Town of Port Hope, Northumberland County (Ontario Hydro);
- Hutchison Site, a Middle Iroquoian (ca AD 1350) hamlet in Markham, Ontario, 2001;
- Peace Bridge site—salvage excavation of multi-component prehistoric and historic site, Town of Fort Erie, RM Niagara (*Peace Bridge Authority and Town of Fort Erie*);
- Robb Site, a Middle Iroquoian (ca AD 1350) village in Markham, Ontario, 2000;
- MacIntosh Site (AiHc-47)—test excavation of a lithic scatter located on Biehn Drive, Subdivision 30T-86002, City of Kitchener, RM Waterloo (*M.H. Properties Limited*);
- Mount Albion West Site, an early Palaeo-Indian site (ca 11,000 B.P.) in the City of Hamilton, 2002;
- Myers Road Site (AiHb-13)—salvage excavation of a Late Iroquoian (c. A.D. 1400 to 1650) village in the City of Cambridge, RM Waterloo (*Dryden, Smith and Head Planning Consultants Limited*).
- Silvan site (AiGw-268)—salvage excavation of an undisturbed prehistoric chipping station, City of Burlington, RM Halton (*A.J. Clarke and Associates Ltd.*);
- Staines Road Site, delineation and recovery of a disturbed Early Iroquoian Ossuary (ca A.D. 1250) in Markham, Ontario, 2001.
- Wellington site (BcGw-55)—test excavations at a Late Iroquoian settlement near the City of Barrie, Simcoe County (*Wellington Development Corporation*);

(ii) Historic

Project Director for:

- Bickle site (AjHc-3)—salvage excavation of a mid-nineteenth century homestead, Village of Maryhill, RM Waterloo (*R.J. Williams Construction Ltd.*);
- Gingerich site (AiHc-229)—salvage excavation of an early nineteenth century homestead, City of Cambridge, RM Waterloo (*Green Scheels Pidgeon Planning Consultants*);
- Hull's Corners Cemetery—Stage 3 investigation and remote-sensing survey of a nineteenth century pioneer cemetery, Town of Cobourg, Northumberland County (*National Capital Engineering*);
- Lichti site (AiHe-43)—salvage excavation of an early nineteenth century homestead, Village of Wellesley, RM Waterloo (*Wm. Gies Construction*);
- Magna site (AjHd-9)—salvage excavation of an early nineteenth century homestead, City of Waterloo, RM Waterloo (*Wright-Dietrich*);
- Siegle site (AiHb-224)—salvage excavation of an early nineteenth century homestead, City of Cambridge (*Green Scheels Pidgeon Planning Consultants*);

- Woodstock Old Town Hall site (AgHe-2)—salvage excavation of a nineteenth century public building, Town of Woodstock, Oxford County (*Woodstock Museum*);

Project Archaeologist for:

- Benares Estate (AjGv-30)—test excavations at a mid- to late-nineteenth century Euro-Canadian homestead in the City of Mississauga, RM Peel (*Ontario Heritage Foundation*);
- Groh site (AiHb-12)—test excavations at a historic Euro-Canadian homestead, now the Ministry of Natural Resources District Office, Cambridge, RM Waterloo (*Ministry of Government Services*);
- Inge-va House (BfGb-2)—test excavations of a nineteenth century Euro-Canadian homestead in the Town of Perth, County of Lanark (*Ontario Heritage Foundation*);
- Snake Hill Site (AfGr-6)—salvage excavation of a War of 1812 cemetery in the Town of Fort Erie, RM Niagara (*Town of Fort Erie*). (The graves of twenty-eight soldiers who died during the siege of Old Fort Erie (July through November of 1814) were excavated, and detailed analyses were undertaken which led to the repatriation of the American remains).
- Vanderburgh House (AlGu-34)—salvage excavation of a late-eighteenth through late-nineteenth century Euro-Canadian homestead in the Town of Richmond Hill, RM York (*Tridel Corporation*);

### Major Planning Studies

Project Archaeologist for:

- 2002 Archaeological Master Plan for the Culture Division, City of Toronto;
- 2000 Master Plan of Archaeological Resources for the Town of Niagara-on-the-Lake
- 1998-1999 Master Plan of Archaeological Resources for the Regional Municipality of Halton;  
Archaeological Potential Mapping Study for the Regional Municipality of Ottawa-Carleton;
- 1997 Master Plan of Archaeological Resources for the City of Brantford;
- 1996 Archaeological Component of a Master Plan for Heritage Features for the Town of Fort Erie,
- 1994 Inventory and Analysis of Archaeological and Built Heritage Features along the North Shore of Lake Ontario for the Waterfront Regeneration Trust;
- 1991-1993 Master Plan of Archaeological Resources of the District Municipality of Muskoka and the Mohawks of Wahta;
- 1990 A Guide to Prehistoric Archaeological Resources: Approaches to Site Potential Modelling for Environmental Assessment (Ontario Hydro);

- 1989-1991 Master Plan of Archaeological Resources for the Town of East Gwillimbury;
- 1988-1990 Master Plan of Archaeological Resources for the Town of Richmond Hill;  
Niagara River Development Project (*Ontario Hydro*);  
Temagami District Heritage Planning Study (*Ontario Ministry of Natural Resources*).

### **Special Projects**

- 1986 Production Assistant for a documentary film concerning early seventeenth century Canadian history, entitled "Rendezvous: Canada 1608" (*National Film Board of Canada*);
- 1982 Project Assistant for Iroquoian village re-creation and development of educational programs at the Tawiscaron Native Interpretive Complex, Fort Erie, RM Niagara (*Frontier Landing Inc.*).

### **ACADEMIC EXPERIENCE**

#### **Teaching Experience:**

- 2003-2005 Adjunct Professor, Department of Anthropology, University of Waterloo
- 1997 Lecturer, Department of Anthropology, University of Waterloo—Anthropology 492B Reading Course in Lithic Technology (with Prof. Matthew Hill);
- 1985-1986 Co-Director, Foundation for Public Archaeology Field School; designed and directed (with R.F. Williamson) ten-day high school credit courses in archaeology for the Wellington County Board of Education at the Longwoods Road Conservation Area, Mt. Brydges, Ontario;
- 1982-1986 Director of Foundation for Public Archaeology educational archaeology program entitled "The Dundee Experience", New Dundee, RM Waterloo;
- 1984 Assistant Director of Foundation for Public Archaeology educational programs at the Joseph Schneider Haus and Waterloo County Gaol, Kitchener;
- 1982-1983 Teaching Assistant, Department of Anthropology, Trent University—ANTH212 Introduction to Archaeology (Prof. Richard B. Johnston and Prof. Paul Healy).
- 1981-1983 Program Supervisor for Foundation for Public Archaeology educational programs offered at the Longwoods Road Conservation Area, Mt. Brydges, Ontario

### **Field and Laboratory Experience:**

- 1983-1985 Project Director of excavations at the fifteenth century Iroquoian Coleman site (AiHd-7), Graduate (MA) Research, Department of Anthropology, Trent University;
- 1981 Fieldworker for extensive archaeological survey and excavation of Early Iroquoian sites, Mt. Brydges, Middlesex County (*Caradoc Archaeological Project*).

### **Scholarships, Grants, and Awards:**

- 1993 Ontario Heritage Foundation, Grant in Aid of Publication—Great Lakes Archaeology and Paleocology: Exploring Interdisciplinary Initiatives for the Nineties—Symposium Proceedings. *Quaternary Sciences Institute, University of Waterloo*. (\$5,000.00)
- 1990 Ontario Heritage Foundation, Grant in Archaeology—Student Dissertation Research: Regional Settlement Trends in the Late Woodland of South-central Ontario. (\$10,300.00)
- 1984 Employment and Immigration Canada, Summer Canada Works Grant—The Dundee Experience. *The Foundation For Public Archaeology*. (\$11,788.00)
- 1983-1984 Ontario Graduate Scholarship. (\$6,540.00)
- 1981-1982 Ewing Memorial Honours Award, Trent University. (\$300.00)

## **PUBLICATIONS**

### **Books, Monographs, and Edited Volumes**

Williamson, Ronald F. and Robert I. MacDonald

- 1998 *Legacy of Stone: Ancient Life on the Niagara Frontier*. Eastendbooks, Toronto.

Williamson, Ronald F. and Robert I. MacDonald

- 1997 In the Shadow of the Bridge: The Archaeology of the Peace Bridge Site (AfGr-9), 1994-1996 Investigations. *Occasional Publications of Archaeological Services Inc.* Volume 1, Toronto.

MacDonald, Robert I., ed.

- 1994 *Great Lakes Archaeology and Paleocology: Exploring Interdisciplinary Initiatives for the Nineties*. Quaternary Sciences Institute Publication No. 10, Waterloo.

**Peer-reviewed Articles:**

Lovis, William A. and Robert I. MacDonald

1999 Archaeological Implications of Great Lakes Paleoecology at the Regional Scale. In: *Taming the Taxonomy: Toward a New Understanding of Great Lakes Archaeology*, Ronald F. Williamson and Christopher M. Watts, eds. Pp. 125-149. Eastend Books, Toronto.

MacDonald, Robert I.

1998 Parsons Site Chipped Stone Artifacts. In: *The Archaeology of the Parsons Site: A Fifty Year Perspective*, Ronald F. Williamson and David A. Robertson, eds. *Ontario Archaeology* 65/66:77-83.

1992 Ontario Iroquoian Semisubterranean Sweat Lodges. In: *Ancient Images, Ancient Thought: The Archaeology of Ideology*, A. Sean Goldsmith, Sandra Garvie, David Selin, and Jeanette Smith, eds. Pp. 323-330. Proceedings of the Twenty-Third Annual Conference of the Archaeological Association of the University of Calgary. The University of Calgary Archaeological Association, Calgary, Alberta.

1988 Ontario Iroquoian Sweat Lodges. *Ontario Archaeology* 48:17-26.

\_\_\_\_\_, Carol Ramsden and Ronald Williamson

1989 The Myers Road Site: Shedding New Light on Regional Diversity in Settlement Patterns. *Canadian Journal of Archaeology* 13:207-211.

\_\_\_\_\_, and David A. Robertson

1998 The Paleoenvironmental Context of the Parsons Site. In: *The Archaeology of the Parsons Site: A Fifty Year Perspective*, Ronald F. Williamson and David A. Robertson, eds. *Ontario Archaeology* 65/66:17-20.

\_\_\_\_\_, and Robert H. Pihl

1994 Prehistoric Landscapes and Land Uses: The Role of Predictive Modelling in Cultural Resource Management. In: *Great Lakes Archaeology and Paleoecology: Exploring Interdisciplinary Initiatives for the Nineties*, Robert I. MacDonald, ed. Pp. 25-59. Quaternary Sciences Institute Publication No. 10, Waterloo.

\_\_\_\_\_, and Ronald F. Williamson

2001 Sweat Lodges and Solidarity: The Archaeology of the Hubbert Site. *Ontario Archaeology* 71: 29-78.

### Other Publications and Reports:

MacDonald, Robert I.

2002 Late Woodland Settlement Trends in South-central Ontario: a Study of Ecological Relationships and Culture Change. Unpublished PhD Dissertation, Department of Anthropology, McGill University, Montreal

1987 Notes on Longhouse Storage Cubicles. *Arch Notes* (Newsletter of The Ontario Archaeological Society) 87(3): 5-11.

1986 The Coleman Site (AiHd-7): A Late Prehistoric Iroquoian Village in the Waterloo Region. Unpublished MA Thesis, Department of Anthropology, Trent University, Peterborough.

\_\_\_\_\_ and Jack D. MacDonald  
1994 Notes on Maps, Part 1: Up-dating the North American Datum and the UTM Grid. *Arch Notes* (Newsletter of The Ontario Archaeological Society) 94(6): 7-12.

\_\_\_\_\_ and Ronald F. Williamson  
1995 The Hibou Site (AlGo-50): Investigating Ontario Iroquoian Origins in the Central North Shore Area of Lake Ontario. In: *Origins of the People of the Longhouse*, A. Bekerman and G. Warrick, eds. Pp. 9-42. Proceedings of the 21st Annual Symposium of the Ontario Archaeological Society Inc., held at Toronto, Ontario, 1994.

Pihl, Robert , Robert MacDonald, and David Cuming  
1990 A Guide to Prehistoric Archaeological Resources: Approaches to Site Potential Modelling for Environmental Assessment. Unpublished report submitted to the Land Use and Environmental Planning Department, Ontario Hydro;

### SCHOLARLY PRESENTATIONS:

Lovis, William A. and Robert I. MacDonald  
1997 Archaeological Implications of Great Lakes Paleoecology at the Regional Scale. Paper presented at the Plenary Session of the Joint Meeting of the Ontario Archaeological Society and the Midwest Archaeological Conference, "Taming the Taxonomy: Toward a New Understanding of Great Lakes Archaeology", North York, Ontario, Canada, October 24-26, 1997

MacDonald, Robert I.  
2005 Twenty Years of Archaeological Master Plans in Ontario: A Review and Prospectus. Paper presented at the 32<sup>nd</sup> Annual Symposium of the Ontario Archaeological Society, November 3-6, Petawawa, Ontario.

- 2000 Sweatlodges and Solidarity: the Archaeology of the Hubbert Site. Paper presented at the 27<sup>th</sup> Annual Symposium of the Ontario Archaeological Society, October 12-15, Midland, Ontario.
- 2000 Fish and Chips on the Lake Erie Shore: the Paleoecology of Two Chert Quarry Sites. Paper presented at the 33<sup>rd</sup> Annual Symposium of the Canadian Archaeological Association, May 3-7, 2000, Ottawa, Ontario.
- 1992 Soil as a Determinant of Major Settlement Location in the Late Woodland of South-central Ontario. Paper presented at the 25th Annual Meeting of the Canadian Archaeological Association, May 6-10, 1992, London, Ontario.
- 1990 Ontario Iroquoian Semisubterranean Sweat Lodges. Paper presented at the 23rd Annual Chacmool Conference: Ancient Images, Ancient Thought: The Archaeology of Ideology, November 8-11, 1990, Calgary, Alberta.
- 1986a Late Prehistoric Iroquoian Society: A View from the Waterloo Region. Paper presented at the 19th Annual Meeting of the Canadian Archaeological Association, Toronto, Ontario.
- 1986b The Coleman Site: Perspectives on 15th Century Iroquoian Society. Paper presented at the Sixth Annual Ottawa Valley Archaeology Symposium, Ottawa Chapter, Ontario Archaeological Society.
- 1985 The Coleman Site Settlement Patterns: Iroquoian Architecture in the Waterloo Region. Paper presented at the 1985 Annual Symposium of the Ontario Archaeological Society, London, Ontario.
- \_\_\_\_\_, S.M. Douglas, P.F. Karrow, and A.J. VandenBygaart  
2004 The Geoarchaeology of the Peace Bridge Site and the Holocene History of the Upper Niagara River. Paper presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, Quebec, March 31 - April 4, 2004.
- \_\_\_\_\_, and Ronald F. Williamson  
1994 The Hibou Site (AlGo-50): Investigating Ontario Iroquoian Origins in the Central North Shore Area of Lake Ontario. Paper presented at the 1994 Annual Ontario Archaeological Society Symposium, Toronto, Ontario.
- Pihl, Robert H. and Robert I. MacDonald  
1991 Prehistoric Landscapes and Land Uses: The Role of Predictive Modelling in Cultural Resource Management. Paper presented at the Quaternary Sciences Institute symposium "Great Lakes Archaeology and Paleoecology: Exploring Interdisciplinary Initiatives for the Nineties," September 21-22, 1991, Waterloo, Ontario.