



ARCHAEOLOGICAL
SERVICES
INC.

ROBERT H. PIHL
Curriculum Vitae

EDUCATION:

Ph.D. Program, Department of Anthropology, University of Toronto, 1976 - present
M.A., Department of Anthropology, University of Toronto, 1976
B.A., Department of Anthropology, Lawrence University, Appleton, Wisconsin, U.S.A. 1974

POSITIONS:

Senior Archaeologist and Manager, Archaeological Service Inc. 1989-present
Vice - President and Managing Director; Mayer, Pihl, Poulton and Associates Incorporated, 1988-1989
Vice - President and Managing Director; Mayer, Pihl, Poulton and Associates incorporated, 1983-1987
Curator/Contract Archaeologist; Museum of Indian Archaeology, 1980-1983
Research Archaeologist; Museum of Indian Archaeology, 1979-1980

PROFESSIONAL ASSOCIATIONS:

Canadian Archaeological Association
Ontario Archaeological Society
Society for American Archaeology
Canadian Association of Professional Heritage Consultants
Scouts Canada

ARCHAEOLOGICAL SERVICES INC. (1989-present)

Robert H. Pihl (M.A., Anthropology) is a Partner and Senior Archaeologist with Archaeological Services Inc. (ASI) and manages the firm's Environmental Assessment Division. Mr. Pihl has over twenty-five years of experience in pre-contact and historic archaeology and has directed hundreds of single and multi-phased assessments throughout Ontario. Mr. Pihl is a founding member of the Canadian Association of Professional Heritage Consultants (CAPHC), and a member of the Canadian Archaeological Association (CAA).

Selected Archaeological Excavations:

Project Director for Gas Pipeline Facilities:

- 2005 ● Stage 1 & 2 Archaeological Assessment Corrosion Protection Program within the MLV 1301 Pipeline Section, Regional Municipality of Hamilton-Wentworth, Ontario;
- 2004 ● Stage 1-2 Archaeological Assessment of a Proposed Pipeline Replacement from Keele Street to Dufferin Street, Northern Edge of Lot 29, Concession 3, Town of Vaughan, R.M. of York, Ontario (Transcanada Pipelines Limited);

- 1992 ● Stage 1 Assessment of the Pipeline (NPS 48) from Owen Sound Valve Site to Brantford Transmission Station, North Dumfries Township, R.M. of Waterloo (Union Gas);
- 1991 ● Stages 1-2 Assessment of the Niagara Line, MLV 215 to Niagara River, and Stage 3 Assessment of AhGs-13 (Kestrel Site), Town of Niagara-on-the Lake, R.M. of Niagara (Transcanada Pipelines Limited);
- Stage 3 Assessment of the Kirkwall Compressor Station, R.M. of Hamilton - Wentworth (Transcanada Pipelines Limited);
- Stage 3 Assessment of AeHo-2 and 3, Dawn Line, Lambton County (Transcanada Pipelines Limited);
- Stage 2 Assessment of the Pipeline from Stelco Industrial Transmission Station to Hagersville-Sandusky Transmission Stn, R.M. of Haldimand-Norfolk (Union Gas Limited);
- 1990 ● Stage 1 Assessment of the Pipeline from Hagersville Sandusk Transmission Stn. To Stelco Industrial Transmission Stn., R.M. of Waterloo Pilkington Township, Wellington County and Woolwich Township, R.M. of Waterloo (Union Gas Limited/Gore and Storrie Limited);
- Stages 1-2 Assessment of the Pipeline within Pilkington Township, Wellington County and Woolwich Township, R.M. of Waterloo (union Gas Limited/Gore and Storrie Limited);
- Stages 1-2 Assessment of Selected Loops of the Niagara Line, R.M. of Niagara (Transcanada Pipelines Limited);
- Stage 1 Assessment of the Pipeline in Moore Township, Lambton County (Union Gas Limited/Gore and Storrie Limited);
- Stages 1-2 Assessment of 914mm Line No 200-2 Between MLV No. 208A and Comp. Station 209, RM of Hamilton-Wentworth (Transcanada Pipelines Limited);
- Stage 2 Assessment of Selected Survey Areas within transcanada Pipelines 1989-90 Facilities in Northern Ontario (Transcanada Pipelines Limited);
- 1987 ● Stages 1-2 Assessment of the Pipeline Loop from MLV 288 + 4.3 km to Transformer Station 209, R.M. of Hamilton-Wentworth (Transcanada Pipelines Limited);
- 1986 ● Stages 1-2 Assessment of the Kirkwall Line from Kirkwall Valve Site to Hamilton Gate Station No. 3 RM of Hamilton-Wentworth (Union Gas Limited/Acres International Ltd);
- 1985 ● Stages 1-2 Assessment of the LNG Plant, Haldimand Township, Northumberland county (Consumers' Gas);
- Stages 1-2 Assessment of the NPS 6 Thamesville Line Replacement, Kent County (Union gas Limited);
- 1982 ● Stages 1-2 Assessment of the St. Mary's to Beachville Line (Union Gas Limited/MacLaren plansearch Inc.);
- 1981 ● Stages 1-2 Assessment of the Niagara Line, R.M. of Peel and Halton (Transcanada Pipelines Limited);
- Stages 1-2 Assessment of Selected Portions of the Montreal Line, R.M. of York and Durham and Counties of Northumberland and Hastings (Transcanada Pipelines Limited/M.M. Dillon Ltd).

Project Co-Project Director for:

- 1988 ● Stage 4 Mitigation of AhHa-32 (Buddy Boers Site), AhHa-67 (Hanes Site), AhHa-103 (Muskrat Creek Site), AhGx-83 (UGK 31 Campsite), and AhGx-244 (Glancaster Site), Kirkwall Line, R.M. of Hamilton-Wentworth (Union Gas Limited);
- Stage 2 Assessment of the Kirkwall Line from the Kirkwall Valve Site to Hamilton Gate Station No. 3 and Stage 3 Assessment Selected Archaeological Sites, R.M. of Hamilton-Wentworth (union Gas Limited).

Project Director for Water, Pipeline/ Sewer Facilities:

- 2005
- Stage 1 Archaeological Assessment Bathurst Street Trunk Sewer Phase 3, Regional Municipality of York, Ontario. Class EA Addendum Study;
 - Stage 1 Archaeological Assessment Taylor Creek Park Trunk Watermain Installation, Environmental Assessment, City of Toronto, Ontario;
 - Stage 1 Archaeological Assessment Southwest Paris Urban Settlement Area Class Environmental Assessment, Water and Wastewater Servicing, Town of Paris, County of Brant, Ontario;
 - Stage 1 Archaeological Assessment Stouffville Water Supply Environmental Assessment, Town of Stouffville, Regional Municipality of York, Ontario;
 - Stage 1 Archaeological Assessment Tremaine Road Transportation Corridor Class Environmental Assessment, Town of Milton, Regional Municipality of Halton, Ontario;
 - Stage 1 Archaeological Resource Assessment for the West Rainbow Creek Trunk Sewer, Regional Municipality of York, Ontario;
 - Stage 1 Archaeological Resource Assessment Fraserville-North Monaghan Servicing Study, Township of Cavan-Millbrook-North Monaghan, Peterborough County, Ontario;
 - Stage 1 Archaeological Assessment Bathurst Street Trunk Watermain Environmental Assessment, Regional Municipality of York, Ontario;
 - Stage 1 & 2 Archaeological Resource Assessment North Peel Groundwater System Upgrades, Regional Municipality of Peel, Ontario;
 - Stage 1 & 2 Archaeological Assessment Chinguacousy Landfill Site Compost Curing Pad, Regional Municipality of Peel, Ontario;
 - Stage 2 Archaeological Assessment Aurora/Newmarket Water Supply Preliminary Design, City of Vaughan, Town of Richmond Hill, Township of King, and Town of Aurora, Regional Municipality of York, Ontario;
 - Project Director, Stage 2 Archaeological Assessment Heritage Road Feedermain City of Brampton, Regional Municipality of Peel, Ontario;
 - Stage 1 Archaeological Assessment Willow Street Sewage Pumping Station (SPS), Town of Paris, County of Brant, Ontario;
 - Stage 1 Archaeological Resource Assessment for a Storm Water Management Facility at the Intersection of South Foster Street and St. Paul Street, City of Belleville, Ontario;
 - Stage 2 Archaeological Resource Assessment Proposed 600mm Watermain, City of Brantford, Ontario;
 - Stage 2 Archaeological Resource Assessment Etobicoke Creek Trunk Sewer, Section S.3 and S.13A, Regional Municipality of Peel, Ontario;
 - Stage 2 Archaeological Resource Assessment West Brampton Reservoir, Pumping Station and Transmission Main, City of Brampton, Regional Municipality of Peel, Ontario;
 - Stage 1 Archaeological Assessment Portage Road Trunk Watermain From Niagara Townline Road to the Queenston Heights Park, Town of Niagara-on-the-Lake, Ontario;
 - Stages 1-3 Archaeological Assessment Portage Road Trunk Watermain Through Queenston Heights Park From Portage Road to Queenston Reservoir, Town of Niagara-on-the-Lake, Ontario;
 - Stage 2 Archaeological Assessment E4 Reservoir Site "A", Part Lot 17, Concession 7, City of Brampton, Regional Municipality of Peel, Ontario;
 - Stage 2 Archaeological Assessment Ellis Avenue and Colborne Lodge Drive Stormwater Management System, Sites HP5, HP7 and HP8, City of Toronto, Ontario;
 - Stage 2 Archaeological Assessment Beckett Sproule Feedermain and Hanlan Pumping Station Upgrade, City of Brampton, Region of Peel, Ontario;
 - Stage 1 & 2 Archaeological Resource Assessment Bexhill Road Forcemain/Pumping Station Class Environmental Assessment, City of Mississauga, Regional Municipality of Peel, Ontario;

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- 2004
- Stage 1 Archaeological Assessment York Region Watermain along Major Mackenzie Drive, Pugsley Road to Markland Road, Town of Richmond Hill, R.M. of Peel, Ontario (MacViron Consultants Ltd.);
 - Stage 1 Archaeological Assessment Etobicoke Creek Trunk Sewer Twinning, Section S.1B, Regional Municipality of Peel, Ontario (KMK Consultants Ltd.);
 - Stage 1 Archaeological Assessment Etobicoke Creek Trunk Sewer Twinning, Section S.2, Regional Municipality of Peel, Ontario (KMK Consultants Ltd.);
 - Stage 1 Archaeological Assessment, Potential E4 Reservoir Site Locations, Part of Lot 17 Concession 7, City of Brampton Township of Toronto Gore, Parts of Lot 1 and 2, Concession 1, Town of Caledon, Township of Albion, Regional Municipality of Peel, Ontario (Trow);
 - Stage 1 and 2 Archaeological Resource Assessment Courtice Water Pollution Control Plant (WPCP), Part of Lots 25-28, Broken Front Concession, Municipality of Clarington, Regional Municipality of Durham, Ontario;
 - Stage 1 and 2 Archaeological Resource Assessment of the Sanitary Forcemain and Watermain Alignment from the Harmony Creek W.P.C.P to the Proposed Courtice W.P.C.P, Regional Municipality of Durham, Ontario;
 - Stage 2 Archaeological Resource Assessment of Additional Lands Adjacent to Courtice Water Pollution Control Plant (WPCP), Lot 26, Broken Front Concession, Municipality of Clarington (Former Geographic Township of Darlington) Regional Municipality of Durham, Ontario;
 - Stage 2 Archaeological Assessment Torbram Road CNR North and South Grade Separations, Part Lot 14, Concession 5 E.H.S. City of Mississauga and City of Brampton, Regional Municipality of Peel (Acres International);
 - Stage 1 Archaeological Assessment Region of Peel Proposed Water Tank and Feedermain, City of Brampton, Regional Municipality of Peel (MacViro Consultants Inc.);
 - Stage 1 Archaeological Assessment Water and Wastewater Servicing For the Villages of Alton and Caledon, Regional Municipality of Peel (XCG Consultants Ltd.);
- 2003
- Stage 1 Archaeological Resource Assessment King George Road Sanitary Sewer and Pumping Station, City of Brantford, Regional Municipality of Brant, Ontario (EarthTech);
 - Stage 1-2 Archaeological Assessment Northwest Development Area Pumping Station, In-ground Reservoir & Transmission Main, City of Brantford, Regional Municipality of Brant, Ontario (EarthTech);
 - Stage 1 Archaeological Assessment of Fletcher's Creek Pumping Station and Forcemain, Lots 12 and 13, East Concessions 1, 2, and 3 and Part of west Concession 1, City of Brampton, Regional Municipality of Peel;
- 1987
- Stage 3 Assessment of AfHn-5 (Robert Norton Site), East Lambton Area Water System, Lambton county (M.M Dillon Ltd.);
- 1985
- Stage 3 Assessment of AgHI-2 (Braun Site), East Lambton Area Water System, Lambton County (M.M Dillon Ltd.);
 - Stages 1-2 Assessment of Forest Standpipe Locations, East Lambton Area Water System, Lambton County (M.M Dillon Ltd.).

Project Director for Hydro Facilities:

- 1992
- Stages 1-2 and Selected Stage 3 Assessments along the 500 kV Transmission Line (Second Circuit) from Middleport TS to Milton TS, Brant county to R.M. of Halton (Ontario Hydro).
 - Stage 4 Mitigation of AfHa - 154, Afha-155, AgHb-130 and AfHe-34 along the 500 KV Transmission Line from Longwood TS to Nanticoke Gs (Nanticoke Gs to Lyons Junction), R.M. of Haldimand-Norfolk and County of Oxford (Ontario Hydro);

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- 1991
- Stages 1-2 Assessment of Selected Puller/Tensioner Sites along the 500 KV Transmission Line Skywire Replacement from Milton TS to Claireville TS, R.M. of Halton and Peel (Ontario Hydro);
 - Stages 1-2 Assessment along the 500 KV Transmission Line 2 from Cherrywood TS to Claireville TS, Metropolitan Toronto (Ontario Hydro);
 - Stage 3 Assessment of Selected Sites along the 500 kV Transmission Line from Lennox GS to Bowmanville SS, Prince Edward, Hastings, Northumberland counties and R.M. of Durham (Ontario Hydro);
 - Stage 4 Mitigation at AeHg-58 (The Finch Site) Within the 500 kv Transmission Line from Longwood TS to Nanticoke GS (Lyons to Cowal Junction), Dorchester Township (Ontario Hydro);
 - Stage 1 Assessment of Site Potential and Stage 2 Assessment along the 115 kV Transmission Line Refurbishing from Horning Mountain Junction to Brant TS, R.M. of Hamilton-Wentworth (Ontario Hydro);
 - Stage 3 Assessment of Selected Sites along the 500 kV Transmission Line from Lennox GS to Bowmanville SS, R.M. of Durham (Ontario Hydro);
 - Stages 1-2 Assessment of Selected Puller/Tensioner Sites along the 500 kV Transmission Line from Milton TS to Claireville TS, R.M. of Halton and Peel (Ontario Hydro);
 - Stages 1-2 Assessment of Selected Areas along the 500 kV Transmission Line from Middleport Ts to Milton TS, R.M. of Brant, Hamilton - Wentworth and Halton (Ontario Hydro);
 - Stages 1-2 Assessment of Selected Areas along the 500 kV Transmission Line from Lennox GS to Bowmanville SS, Lennox and Addington Counties to R.M. of Durham (Ontario Hydro);
 - 1990 Archaeological Monitoring of AfHj-9 (Ivory Hill Site), Caradoc Township, Middlesex County (Ontario Hydro);
 - Stage 4 Mitigation of Axxx-xx (Reaman Site), Claireville TS to Cherrywood TS Transmission Line, Metropolitan Toronto (Ontario Hydro);
 - Stages 1-2 Assessment of Selected Areas along the 500 kV Transmission Line from Claireville TS to Cherrywood TS, and Stage 3 Assessment of Axxx-xx (Reaman Site), Metropolitan Toronto (Ontario Hydro);
 - Stage 1 Assessment of the Calabogie Generating Station, Renfrew County (Ontario Hydro).
 - Stage 4 Mitigation of AeHg-58 (Finch Site) and AeHn-48 (Peninsula Site), Longwood TS to Nanticoke GS Transmission Line, Elgin County (Ontario Hydro);
 - Stages 1-2 Assessment of Selected Areas along the 500 kV Transmission Line from Longwood Ts to Nanticoke GS (Nanticoke GS to Lyons Junction), and Stage 3 Assessment of Selected Archaeological Sites, Elgin County and R.M. of Haldimand - Norfolk (Ontario Hydro);
- 1989
- Stages 1-2 Assessment of Selected Areas along the 500 kV Transmission Line from Longwood TS to Nanticoke GS (Cowal Junction to Lyons Junction), and Stage 3 Assessment of Selected Archaeological Sites, Middlesex and Elgin Counties (Ontario Hydro);
 - Stages 1-2 Assessment of the Louth Junction Switching Station, St. Catharines (Ontario Hydro);
 - Stage 4 Mitigation of AfHj-68 (Beach Ridge Site), Bruce NPD to Longwood TS Transmission Line, Middlesex County (Ontario Hydro);
 - Stage 3 Assessment of AiHj-1, AhHj-2, AfHj-9, AfHj-66 and AfHj-68, Bruce NPD to Longwood TS Transmission Line, Huron and Middlesex Counties (Ontario Hydro);
- 1987
- Stage 4 Mitigation of AfHj-35B, -36, -38, and -40, Longwood TS, Middlesex County (Ontario Hydro);
 - Stages 1-2 Assessment of Selected Areas along the 500 kV Transmission Line from St. Lawrence TS to Hawthorne TS, Stormont County and R.M. of Carlton (Ontario Hydro);
 - Stages 1-2 Assessment of Selected Areas along the 500 kV Transmission Line from Bruce NPD to Longwood TS (Southern Section), Huron and Middlesex Counties (Ontario Hydro);
 - Stages 1-2 Assessment of the Longwood TS Site, Caradoc Township, Middlesex County (Ontario Hydro);

- Stages 1-2 Assessment of the Hamilton East Mountain TS, R.M. of Hamilton-Wentworth (Ontario Hydro);
- Stages 1-2 Assessment of the 230 kV Cable Relocation, Circuit HL4, Hamilton Newton TS to Elgin TS, City of Hamilton (Ontario Hydro);
- 1986 ● Stages 1-2 Assessment of the 115 kV Line Tap to the Proposed Transcanada Pipelines Compressor Station, R.M. of Hamilton - Wentworth (Ontario Hydro);
- Stages 1-2 Assessment of the 115 kV Puslinch DS, Wellington County (Ontario Hydro);
- 1984 ● Stages 1-2 Assessment of the 115 kV Clinton North DS, Huron County (Ontario Hydro).

Project Archaeologist for Hydro Facilities:

- 1989 ● Stage 1 Assessment and Site Potential Modeling of Niagara River Development Project - Transmission Incorporation Study Area (Ontario Hydro);
- 1983 ● Stage 1 Assessment of the Southwest Study Area for the Bruce GS to Essa TS and Milton TS to London Transmission Lines (Ontario Hydro).

Project Co-Director for Hydro Facilities:

- 1988 ● Stage 4 Mitigation of AfHj-51, -52, -54 and -56, Longwood TS, Middlesex County (Ontario Hydro);
- Stage 4 Mitigation of AfHj-42, AfHj-43, AfHj-44, AfHj-50 and AfHj-60, Longwood TS, Caradoc Township, Middlesex County (Ontario Hydro).

Project Director for Wind Farm Projects:

- 2005 ● Stage 1 Archaeological Assessment Hockley Valley Wind Turbine Project (Windrush Energy), Palgrave, Ontario;
- 2004 ● Stage 1 Archaeological Assessment Leader Wind Corporation Wind Farm, Bruce County;
- Stage 1 Archaeological Assessment Echo Power Generation Wind Farm, Malahide and Bayham Townships, Elgin County, Norfolk Township, Norfolk County;
- Stage 1 Archaeological Assessment Erie Shores Wind Farm Project, Wind Farms and Transmission Line, Townships of Malahide and Bayham in Elgin County, Townships of Norfolk and Houghton in County of Norfolk, and Township of Southwest Oxford in Oxford County;
- 2003 ● Stage 1 Assessment for Erie Wind Power, Wind Turbine Site Environmental Assessment and Preliminary Design, Township of Wainfleet, Regional Municipality of Niagara.

Project Director for Transportation Corridors:

- 2005 ● Stage 1 Archaeological Resource Assessment Cataraqui Woods Drive Environmental Assessment, City of Kingston, Ontario;
- Stage 1 Archaeological Assessment Highway 33 and County Road 1 (Soharie Road/Sandy Hook Road) Intersection Improvements, Prince Edward County, Ontario. Preliminary Design/Environmental Assessment;
- Stage 1 Archaeological Resource Assessment Lower Base Line Class Environmental Study Regional Road 25 to Trafalger Road, Town of Milton / Town of Oakville, Regional Municipality of Halton, Ontario;
- Stage 1 Archaeological Assessment Proposed Innes-Walkley Connection and Hunt Club Road Extension, City of Gloucester, Regional Municipality of Ottawa-Carleton, Ontario;

- Stage 1 Archaeological Assessment Class Environmental Assessment Study of Leslie Street From South of Bethedsa Side Road to North of Bloomington Road, Regional Municipality of York, Ontario;
- Stage 1 Archaeological Resource Assessment Markham By-pass Study, Regional Municipality of York, Ontario;
- Stage 1 Archaeological Assessment Kitney Road Extension Environmental Assessment, Town of Ajax, Regional Municipality of Durham, Ontario;
- Stage 1 Archaeological Assessment Regional Road 25 Transportation Corridor, Class Environmental Assessment, Town of Milton, Regional Municipality of Halton, Ontario;
- Stage 1 Archaeological Assessment ROPA 9 Highway Construction and Improvements Environmental Assessment, City of Stoney Creek, City of Hamilton, and Township of Glanbrook, Regional Municipality of Hamilton-Wentworth, Ontario;
- Stage 2 Archaeological Assessment Highway 10 From 1.0 km North of Highway 24 Northerly to Highway 9 (East Junction), Detail Design, Town of Caledon, Regional Municipality of Peel, Ontario. GWP 27-97-00;
- Stage 2 Archaeological Assessment Highway 15 From Joyceville Road, Northerly, to Big Hill Road, City of Kingston, County of Frontenac and Township of the Rear of Leeds and Landsdowne, County of Leeds & Grenville, Ontario (MTO GWP No. 207-00-00);
- Stage 2 Archaeological Assessment Nine Interchanges of Highway 401 Between Brockville and the Ontario-Quebec Border, United Counties of Leeds and Grenville Municipality, United Counties of Stormont, Dundas and Glengarry, Ontario;
- Stage 1 & 2 Archaeological Assessment Highway 402 Planning and Preliminary Design Study, From the Blue Water Bridge Authority Plaza Easterly 13.7 km to Lambton Road 26 (Mandaumin Road) City of Sarnia, County of Lambton, Ontario;
- Stage 2 Archaeological Assessment Mount Albert Sideroad (Y.R. 13) at Warden Avenue (Y.R. 65), Town of Newmarket, Regional Municipality of York, Ontario;
- Stage 2 Archaeological Resource Assessment Detail Deign Highway 124 Resurfacing from 2.4 km east of Highway 510 easterly 17.7 km to Highway 11, Huntsville Area (GWP 159-98-00) and Highway 510 Resurfacing from junction Highway 520, northerly 2.8 km to Highway 124, Huntsville Area (GWP 310-00-00);
- Stage 2 – 3 Archaeological Assessment, Highway 69 Four-Laning from Parry Sound to 3.5km north of Highway 559;
- Stage 2 Archaeological Assessment Detailed Design, Improvements on Highway 26, From Owen Sound to Woodford, City of Owen Sound, Township of Sydenham and Township of St. Vincent, Grey County, Ontario (G.W.P. 33-94-00);
- Stage 1 Archaeological Assessment Glen Allan Bridge (Structure Number 45072), Alternatives C and D, County Road 45, County of Wellington, Ontario;
- Stage 1 Archaeological Resource Assessment for King Street North and Highway 85 Interchange, Regional Municipality of Waterloo, Ontario;
- Stage 2 Archaeological Resource Assessment Widening and Reconstruction of Dundas Street (Regional Road 5) between Neyagawa Boulevard and Proudfoot Trail, Town of Oakville, Ontario;
- Stage 1 & 2 Archaeological Assessment Eighth Line Bridge Replacement, Township of Centre Wellington, Ontario;
- Stage 1 Archaeological Assessment Dorval Drive (Regional Road 17) Improvements, Class Environmental Assessment, Town of Oakville, Regional Municipality of Halton, Ontario;
- Stage 1 & 2 Archaeological Assessment Dufferin Street Class EA From Steeles Avenue to Glen Shields North, Regional Municipality of York, Ontario;
- Stage 1-2 Archaeological Assessment TPM Detail Design Highway 11 Four Laning, Katrine to Burk's Falls From 0.5 km North of Highway 518, Northerly 7.5 km To South of Highway 520,

- Townships of Armour and Perry, District Municipality of Parry Sound, Ontario (GWP 480-93-00);
- Stage 1-2 Archaeological Assessment TPM Preliminary Design Alignment Review Series Highway 11 Four Laning, Burk's Falls to South River, Township of Armour, Strong, Laurier and Machar, District Municipality of Parry Sound, Ontario;
 - Stage 2 Archaeological Assessment Highway 15 From north of Highway 401 northerly to Joyceville, Detail Design (Former Township of Pittsburgh, County of Frontenac), City of Kingston, Ontario and Stage 3 Archaeological Assessment of the Frontage of the Birmingham Mission Cemetery, Pittsburgh Institution (GWP 206-00-00);
 - Stage 1 & 2 Archaeological Resource Assessment Mississauga Road Widening from Queen Street to Bovaird Drive, Regional Municipality of Peel;
 - 2004 ● Stage 1 Archaeological Assessment Highway 404 Mid-Block Crossing, Between Highway 7 and 16th Avenue, Towns of Markham and Richmond Hill, Regional Municipality of York (URS Canada Inc.);
 - Stage 1 Archaeological Assessment Highway 17 Reconstruction from 3.6km west of Renfrew County Road 635 easterly for 18.6km. MTO Northern Region;
 - Stage 1 Archaeological Resource Assessment Highway 12 from Durham/Simcoe Boundary Northerly to the South Junction of Highway 11 County of Simcoe, City of Orillia, and Regional Municipality of Durham (Greer Galloway Group Inc. Engineers and Planners);
 - Cultural Heritage Resources Assessment Highway 7A, Township of Scugog, Regional Municipality of Durham, Ontario;
 - Stage 1 Archaeological Assessment Highway 21 and Highway 9 (Kingsbridge to Amberly / East of Millarton) Culvert Rehabilitations / Replacements (SNC-Lavalin Engineers & Constructors Inc.);
 - Stage 1 Archaeological Assessment, South Service Road (Regional Road 40), From Nelles Road to East of Bartlett Avenue, Town of Grimsby, Regional Municipality of Niagara (Philips Planning & Engineering Limited);
 - Stage 1 Archaeological Assessment Wanless Drive Improvements From Creditview Road to Hurontario Street, City of Brampton, Regional Municipality of Peel (SNC-Lavalin Engineers & Constructors Inc.);
 - Stage 1 Archaeological Assessment For Improvements to Two Intersections, Warden Avenue and Davis Drive and Warden Avenue and Mount Albert Sideroad, Town of Newmarket, Regional Municipality of York (Cansult Group Limited);
 - Stage 1 Archaeological Assessment Yonge Street Transitway From Steeles Avenue to 19th Avenue City of Vaughan, Town of Richmond Hill, and Town of Markham, Regional Municipality of York (McCormick Rankin Corporation);
 - Stage 1 Archaeological Assessment of Manitou Drive (Regional Road 69) from Bleams Road to Fairway Road, City of Kitchener, Regional Municipality of Waterloo (McCormick Rankin Corporation);
 - Stage 1 Archaeological Assessment, Counter Street Improvements, Division Street to Princess Street, City of Kingston, Regional Municipality of Frontenac (NCE Limited);
 - Stage 1 Archaeological Assessment, Britannia Road Widening, Queen Street to Hurontario Road, (Former Township of Toronto, County of Peel), City of Mississauga, Regional Municipality of Peel (iTRANS Consulting);
 - Stage 1 & 2 Archaeological Resource Assessment, Stanley Avenue Reconstruction and Widening, From Marineland Parkway Northerly to Dixon Street, City of Niagara Falls, Regional Municipality of Niagara (Totten Sims Hubicki Associates);
 - Stage 2 Archaeological Assessment Guelph Line (Regional Road 1) Reconstruction From Purdy Drive to 300m north of 20 Sideroad, Town of Milton, (former Nassagaweya Township, Halton County), Regional Municipality of Halton (Philips Engineering Ltd.);

- Stage 1 Archaeological Assessment Nine Interchanges of Highwya 401 between Brockville and the Ontario-Quebec Border, United Counties of Ledds and Grenville Municipality, United Counties of Stormont, Dundads and Glengarry (NCE Limited);
- Stage 1 & 2 Archaeological Assessment, Stone Road East Reconstruction, From Victoria Road South to Watson Road South, (Former Townships of Guelph and Puslinch), City of Guelph, Regional Municipality of Wellington (McCormick Rankin Corporation);
- Stage 1 & 2 Archaeological Assessment Two Locations Along Highway 400 from 3.7 km North of Road 48 Northerly 3.6 km And from 1.0 km South of Road 33 Northerly 2.1 km, Township of Georgian Bay, District Municipality of Muskoka (Giffels Associates Ltd.);
- Stage 2 Archaeological Assessment Highway 26 from 1.5 km west of the Owen Sound East Limits easterly 15.25km to 0.3km east of the former Sydenham/St. Vincent Township Boundary (LGL Limited);
- Stage 1 Archaeological Assessment, Lynden Road Proposed Construction, Part of Lot 42, Concession 3, City of Brantford, Township of Brantford, County of Brant (City of Brantford);
- Stage 1 Archaeological Assessment Regional Road 81 Improvements (King Street/ St. Paul Street West) Between 9th Street and 7th Street Town of Lincoln and City of St. Catharines Regionial Municipality of Niagara (Totten Sims Hubicki Associates);
- Stage 1 archaeological Assessment, Proposed Widening and Improvements of Brookdale Avenue, from 14th Avenue to Tollgate Road, Study Design, City of Cornwall, United counties of Stormont, Dundas and Glengarry (NCE Limited);
- Stage 1 Archaeological Assessment of Proposed Sewer Treatment Plant Facilities, Northeast Corner of Woodward Avenue and Brampton Street Intersection, Lot 30, Concession I (Former Township of Saltfleet, Former County of Wentworth), City of Hamilton, Regional Municipality of Hamilton-Wentworth (Terraprobe);
- Stage 2 Archaeological Assessment Sixth Line from Lower Base Line to the Bailey Bridge at East Sixteen Mile Creek, Town of Milton, Regional Municipality of Halton (LGL Limited);
- Stage 2 Archaeological Resource Assessment Highway 60 Improvements, Town of Eganville Easterly to the East Limits of Hamlet of Douglas Renfrew County;
- Stage 2 archaeological assessment of Queen Street East road widening, from Airport Road to Highway 50, Detail Design, City of Brampton, Regional Municipality of Peel (SNC-Lavalin Engineers & Constructors Inc.);
- Stage 2 Archaeological Assessment Intersection Improvements on Ravenshoe Road (Y.R.32) at Warden Avenue (Y.R. 65) Town of East Gwillimbury and Town of Georgina, Regional Municipality of York (The Regional Municipality of York);
- Stage 2 archaeological Assessment, Langstaff Road Watermain, City of Vaughan, Regional Municipality of York (Marshall Macklin Monaghan);
- 1992 ● Stage 1 Assessment of Highway 11/17 Four-Laning, Thunder Bay to Nipigon (Ministry of Transportation);
- Stages 1-2 Assessment of Site Potential along Highway 11/17 Red Rock to Nipigon (ministry of Transportation);
- 1989 ● Stages 1-2 Assessment of the Taunton Road - Steeles Avenue Connection, R.M. of Durham (Totten Sims Hubicki Associates);
- 1987 ● Stage 4 Mitigation of AfHj-73 (Bradley Avenue Site), City of London (DS Lea and Associates).
- 1984 ● Stage 1 Assessment of GO-ALrt Northern Section, Pickering to Oakville (Ontario Ministry of Transportation);
- Stage 1 Assessment of GO - ALRT Lakeshore Section, Pickering to Oakville (DeLCan).

Co-Project Director for Wind Farm Projects:

- 1986 ● Stage 1 Assessment of the Front Street - Gardner Expressway Interchange, City of Toronto (M.M. Dillon Ltd).

Project Archaeologist for Wind Farm Projects:

- 1983 ● Stage 1 Assessment of the GO-ALRT Extension Project from Highway 6 to Walker's Line, Hamilton to Oakville (Fenco Engineers);
- Stages 1-2 Assessment of the GO-ALRT Extension Project from Pickering to Whitby (Totten Sims Hubicki Associates);
- 1982 ● Stages 1-2 Assessment of the Huron and Strasburg Road Alignments, Huron Industrial Park, Kitchener (City of Kitchener);
- 1981 ● Stage 2 Assessment of the Highway 403 Section from highway 5 to Oakville Link (Ontario Ministry of Transportation);
- 1981 ● Stage 1 Assessment of the Highway 407- Southern Parkway Belt Link (M.M. Dillon Ltd).
- Stage 2 Assessment of the Hamilton Beach Strip Arterial (M.M. Dillon Ltd);
- 1980 ● Stage 1 Assessment of the Highway 403 Section from Highway 5 to Oakville Link (Ontario Ministry of Transportation).

Project Director for Transit Projects

- 2005 ● Stage 1 Archaeological Assessment GO Transit Lakeshore West Corridor Rail Expansion, Between Port Credit Station and Kerr Street, City of Mississauga and Town of Oakville, Ontario;
- Stage 1 Archaeological Resource Assessment GO Transit Georgetown Expansion, between Bramalea GO Station and the new Mount Pleasant GO Station, Georgetown, Ontario;
- Stage 1 Archaeological Resource Assessment York Rapid Transit Program, Markham North-South Link Transitway, Regional Municipality of York, Ontario;
- Stage 1 Archaeological Resource Assessment – Union to Pearson Air Rail Link/ GO Transit Georgetown Corridor Improvements;
- Stage 1 Archaeological Assessment Spadina Subway Extension From Downsview Station via York University to Steeles Avenue City of Toronto, Ontario;
- 2004 ● Stage 1 Archaeological Assessment York Rapid Transit Program, Highway 7 Transit Corridor from Highway 50 to York/Durham Line, City of Vaughan, Town of Richmond Hill, and Town of Markham Regional Municipality of York, Ontario;
- Stage 1 Archaeological Assessment York Rapid Transit Program, Yonge Street Transitway From Steeles Avenue to 19th Avenue, City of Vaughan, Town of Richmond Hill, and Town of Markham, Regional Municipality of York, Ontario;
- Cultural Heritage Resource Assessment West Toronto Diamond Rail-To-Rail Grade Separation, City of Toronto, Ontario Project #P14721.

Project Director/Archaeologist for Landfill/Quarries:

- 2005 ● Stage 1 Archaeological Assessment Walker Waste Disposal Environmental Assessment, City of Niagara Falls, Regional Municipality of Niagara, Ontario;
- Stage 1 and 2 Archaeological Resource Assessment, Warwick Landfill Expansion, Township of Warwick, County of Lambton, Ontario;
- Archaeological Assessment Richmond Landfill Expansion Environmental Assessment
- 2004 ● Stage 4 Archaeological Mitigation of the Cayle Site (AfHa-183), Tom Howe Landfill Expansion, Town of Hagersville, Haldimand County, Ontario.

Project Director/Archaeologist for Housing/Industrial Subdivision:

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- 1991 ● Stages 1-3 Assessment of the Pinecrest Estates Subdivision (26T-89011), Town of Niagara-on-the-Lake, R.M. of Niagara (Michael D'Antin);
 - Stage 4 Mitigation of AhGs-10 (Pinecrest Estates Site), Pinecrest Estates Subdivision(26T-89011), Town of Niagara-on-the-Lake, RM of Niagara (*Michael D'Antin*);
 - 1990 ● Stages 1-2 Assessment of the Subdivision on Lot 15, Concession 10, Town of Strathroy, Middlesex County (The Hampton Group Inc.);
 - 1989 ● Stages 1-2 Assessment of the J. Bull Property, village of Greensville, R.M. of Hamilton-Wentworth (Mr. J. Bull);
 - 1988 ● Stages 1-2 Assessment of the Mount Carmel Subdivision, City of Niagara Falls (River Realty Development Inc.);
 - Stages 1-2 Assessment of the Kennedy Court Subdivision, City of Niagara Falls (River Realty Development Inc.);
 - Stage 4 Mitigation of AhGx-254 (Abbey Hill 1 Site) and AhGx-255 (Abbey Hill Site), Abbey Hill Subdivision, City of Hamilton, (Vulco Realty Limited);
 - Stage 4 Mitigation of the AgGt-52 (Rolling Meadows 1 Site) and AgGt-53 (Rolling Meadows 11 Site), Rolling Meadows Subdivision, Town of Pelham, R.M. of Niagara (River Realty Development Inc.);
 - Stages 1-2 Assessment of the Fern Street Subdivision, Town of Flamborough, RM of Hamilton-Wentworth (*Kenneth Youngs Engineering Inc.*);
 - Stages 1-2 Assessment of the Vinehaven Subdivision, Town of Lincoln, R.M. of Niagara (Heritage Village Realty Inc.);
 - Stages 1-2 Assessment of the Abbey Hill Phase 1 Subdivision, City of Hamilton (Vulco Realty Limited);
 - Stages 1-2 Assessment of the Rolling Meadows Subdivision, Town of Pelham (River Realty Development Inc);
 - Stages 1-2 Assessment of the New Hamburg Subdivision, Township of Woolwich, R.M. of Waterloo (L.D.C.C.);
 - Stages 1-2 Assessment of the Mill Point Subdivision, and Stage 3 Assessment of Axxx-x and -x, Township of Pelee, Essex County (Keith Regan);
 - Stages 1-2 Assessment of the Forest Avenue Subdivision of Wilmot, RM of Waterloo (L.D.C.C.);
 - Stage 4 Mitigation of the Steckle Site (AiHc-36), City of Kitchener (*City of Kitchener*).
 - 1988 ● Stage 1-2 Assessment of the Stoney creek Subdivision, City of London (Cumming Cockburn Limited);
 - Stages 1-2 of the Subdivision on Part Lot 18, concession 1, Caradoc Township, Middlesex County (Mark L. Dorfman Planner, Inc.);
 - 1987 ● Stages 1-2 Assessment of the Breslau Business Park, city of Kitchener (The Proctor and Redfern Group);
 - Stages 1-2 Assessment of the Bayview country Estates, Town of Richmond Hill (PMG Consulting Engineers and Planners);
 - Stages 1-2 Assessment of the Richmond Hill Golf and Country Club, Town of Richmond Hill (Cosburn Patterson Wardman Limited);
 - Stages 1-2 Assessment of the East Elgin Community Subdivisions, Town of Richmond Hill (Cosburn Patterson Wardman Limited);
 - Stages 1-2 Assessment of the Ridge Road Subdivision, Town of Richmond Hill (George Wimpey Canada Limited);
 - Stages 1-2 Assessment of Part of the Garwood Addition, Town of Hamilton (*Ashenhurst Howwens Limited*);
 - Stages 1-2 Assessment of the Maple Subdivision, Town of Grimsby (The proctor and Redfern Group);

- Stages 1-2 Assessment of the McNab Estates Subdivision, Town of Grimsby (Kerry T. Howe Limited);
- Stages 1-2 Assessment of the Pioneer Drive Condominium Development (Freure Homes);
- Stages 1-2 Assessment of the Sebringville OPP Detachment Facility, Perth County (Ontario Ministry of Government Services);
- Stage 4 Mitigation of AhHa-2 (MacPherson Site), R.M. of Hamilton-Wentworth (Gordon Forth Farms Limited);
- Stages 1-2 Assessment of the Chatham OPP District Headquarters Facility, City of Chatham (Ontario Ministry of Government Services);
- Stages 1-2 Assessment of the Trillium North Subdivisions, City of Waterloo (Trillium Estates Limited);
- Stages 1-2 Assessment of the 16th Avenue Subdivision, Town of Richmond Hill (Riaboy and Anic Inc;
- Stages 1-2 Assessment of Briggs Avenue Subdivision, Town of Richmond Hill (*Riaboy and Anic Incorporated*).

Project Director/Archaeologist for Heritage Cemeteries:

- 2005
- Archaeological Investigation of Huttonville Cemetery located on Mississauga Road;
 - Archaeological Investigation of Tranquillity Cemetery, City of Brantford, Regional Municipality of Brant, Ontario;
- 2004
- Stage 1 & 2 Archaeological Assessment of the Teston Road Cemetery, Lot 25 Concession IV, (Former Township of Vaughan) Town of Vaughan, Regional Municipality of York (URS Canada Inc.);
 - Stage 3 Archaeological Assessment Bertram (Old Zion) Cemetery, Wanless Drive Improvements From Creditview Road to Hurontario Street, City of Brampton, Regional Municipality of Peel, Ontario;
 - Stage 3 Archaeological Assessment Adjacent to the Emily Cemetery, Highway 7, Omemee to Fowlers Corners, City of Kawartha Lakes and Township of Smith-Ennsimore-Lakefield, Peterborough County, Ontario. GWP: 130-86-00;
 - Stage 1 Archaeological Assessment Derry West Cemetery and Stage 3 Archaeological Assessment of the Church Structure associated with the Cemetery located on Derry Road West and Hurontario Street, Regional Municipality of Peel, Ontario;
 - Stage 1 & 2 Archaeological Assessment Elder's Mills Cemetery, Part Lot 16, Concession 9, Town of Vaughan, Regional Municipality of York (URS Canada Inc.);
 - Stage 3 Archaeological Assessment Care Foot Cemetery, Part Lot 14, Concession 5 E.H.S. City of Mississauga and City of Brampton, Regional Municipality of Peel (Acres International).

Project Director for Other Assessment:

- 2005
- Stage 1 Archaeological Resource Assessment 7555 Tanmer Drive between Dixie and Bramalea, City of Brampton, Ontario;
 - Stage 1 Archaeological Resource Assessment of the West Donlands Land Assembly [D60573] Flood Protection Landform, City of Toronto, Ontario;
 - Detroit River International Crossing (DRIC);
 - Stage 1 & 2 Archaeological Resource Assessment Country Heritage Park, 8560 Tremaine Road, Part of Lots 4 & 5, Concession 7, Town of Milton, Nassagaweya Township, Region of Halton, Ontario;
- 2004
- Stage 1 Archaeological Assessment Milliken GO Station, Between Red Lea Ave and the Rail Corridor, (Geographic Township of Scarborough, County of York), City of Toronto;

- Stage 3 Archaeological Assessment Ralph Cabin Site (BhFw-10), and Miller Farm Site (BhFw-11), Former Miller Berry Farm Property, Part Lot 6, Concession IV, Rideau Front, Geographic Township of Nepean, City of Ottawa, Ontario;
- 2002-03 ● Consultant for the McGaw Site Archaeological Interpretative Program, Ontario Archaeological Society/Town of Richmond Hill, 2002-2003.

TEACHING EXPERIENCE:

- 1976 - 78 ● Teaching Assistant: Department of Anthropology, University of Toronto, Field Methods and Laboratory Analysis
- 1975 - 76 ● Teaching Assistant: Department of Anthropology, University of Toronto, Introduction to Anthropology
- Summer 1980 ● Adjunct Professor; The University of Western Ontario, London, Program in Journalism for Native Peoples, Department of Journalism,
- 1988 - 1989 ● Lecturer; Department of Anthropology, The University of Western Ontario, London, Introduction to Archaeology

- Fall 1980 ● Lecturer; Department of Anthropology, The University of Western Ontario, London, Field Methods in Archaeology
- 1981 ● Instructor; Department of Anthropology, The University of Toronto, Archaeological Analysis
- 1988 - 89 ● Instructor; Department of Anthropology/Faculty of Part-time and Continuing Education, The University of Western Ontario, London, Introduction to Archaeology Brantford Campus
- Summer 1988 ● Instructor; Department of Anthropology/Faculty of Part-time and Continuing Education, The University of Western Ontario, London, Introduction to Archaeology, London Campus
- 1987- 88 ● Instructor; Department of Anthropology/Faculty of Part-time and Continuing Education, The University of Western Ontario, London, Introduction to Archaeology, Owen Sound Campus
- Summer 1986 ● Instructor; Department of Anthropology/Faculty of Part-time and Continuing Education, The University of Western Ontario, London, Introduction to Archaeology, Woodstock Campus
- 1985 - 87 ● Instructor; Department of Anthropology/Faculty of Part-time and Continuing Education, The University of Western Ontario, London, Introduction to Archaeology, Walkerton Campus
- Summer 1986 ● Instructor; Department of Anthropology/Faculty of Part-time and Continuing Education, The University of Western Ontario, London, Introduction to Archaeology, London Campus
- 1986 ● Instructor; Department of Anthropology/Faculty of Part-time and Continuing Education, The University of Western Ontario, London, Introduction to Archaeology, Simcoe Campus
- 1984 - 1985 ● Instructor; Department of Anthropology/Faculty of Part-time and Continuing Education, The University of Western Ontario, London, Introduction to Archaeology, Sarnia Campus
- Summer 1984 ● Instructor; Department of Anthropology/Faculty of Part-time and Continuing Education, The University of Western Ontario, London, Introduction to Archaeology, Clinton Campus

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- Summer 1982 • Instructor; Department of Anthropology/Faculty of Part-Time and Continuing Education, The University of Western Ontario, London, Exploring Ontario's Prehistory Excavations at the Cutler Site, Pinery Provincial Park, Ontario
 - Winter 1981 • Instructor; Department of Anthropology/Faculty of Part-Time and Continuing Education, The University of Western Ontario, London, Ontario's Past - Lectures presented on Ontario's prehistory, selected topics included current heritage legislation and the Middle Woodland period.
 - Summer 1980 • Instructor; Department of Anthropology/Faculty of Part-Time and Continuing Education, The University of Western Ontario, London, Exploring Ontario's Prehistory Excavations at the Cutler Site, Pinery Provincial park, Ontario

Laboratory and Field Research Experience

- Summers 1980/1982 • Director, Cutler Site Excavation, Pinery Provincial Park, Lambton County, Ontario;
- Summer 1978 • Assistant Director, Draper Site excavation R.M. of Durham, Directed by W.D. Finlayson, Museum of Indian Archaeology (London);
- Fall 1977 • Teaching Assistant, New Site excavation, R.M. of York. Directed by M. Kapches, University of Toronto;
- Summer 1977 • Assistant Director, Hood Site excavation, R.M. of Hamilton - Wentworth. Directed by P. Lennox, McMaster University, Hamilton;
- 1976 • Principal Investigator, analysis of the Ault Park Site collection (Ontario Heritage Foundation grant);
- Summer 1975 • Field Assistant, survey and excavation, Kickapoo River valley sites, Vernon and Richmond Counties, Wisconsin, U.S.A. Directed by J. Halsey, Wisconsin Historical Society, Madison, Wisc;
- Summers 1972/1973 • Field Assistant, Rock Island Site excavation, Door County, Wisconsin, U.S.A. Directed by R.J. Mason, Lawrence University, Appleton, Wisc.