

Appendix 3: Sedimentological Theses Supervised

Carolyn Eyles (1999-2009)

Graduate Theses

- 2009- **S. Puckering** (M.Sc.) - Fluvial and glacial erosion of Paleozoic bedrock, southern Ontario
- 2005- **J. Slomka** (M.Sc.) - Sedimentology of Quaternary deposits, Georgetown, Ontario
- 2005- **K. MacCormack** (Ph.D) - 3-D subsurface modeling of Quaternary sedimentary basins
- 2003-2005 **M. Doughty** (Ph.D) - Sediment deformation structures as indicators of past seismic activity, Lake Temiskaming, Ontario/Quebec
- 2003-2005 **V. Terlaky** (M.Sc) - Side scan sonar of lake floor bedforms, Owen sound and Colpoy's Bay, Georgian Bay, Ontario
- 2002-2005 **K. MacCormack** (M.Sc) - 3-D modelling of the Dundas Valley sedimentary infill
- 2002- **J. MacLachlan** (Ph.D) - Quantitative analysis of drumlin form and genesis
- 1997-2002 **E. Arnaud** (Ph.D) - Sedimentology of the Neoproterozoic Port Askaig Formation, Garvellach Islands, Scotland
- 1999-2001 **P. Meyer** (M.Sc.) - Sedimentology of buried bedrock valley infills, Georgetown region, Ontario

B.Sc. Theses

- 2008-2009 **S. Puckering** (B.Sc) - Spatial Analysis of Glacial Erosional Landforms at Whitefish Falls, Ontario
- 2008-2009 **J. Slomka** (B.Sc) - Sedimentology of shallow subsurface Quaternary deposits, Limehouse, Ontario
- 2007-2008 **M. Stoesser** (B.Sc) - Sedimentological analysis of argillites of the Gowganda Formation, Whitefish Falls, Ontario
- 2007-2008 **D. Molon** (B.Sc) - 3-D subsurface modeling of the West Hamilton landfill
- 2006-2007 **A. Brennan** (with W.A. Morris) - Analysis of satellite imagery of B.C. glaciers
- 2006-2007 **L. Hunt** (B.Sc) - A sedimentological analysis of recently exposed subglacial and glacial deposits at Saskatchewan Glacier, Banff National Park, Alberta, Canada.
- 2006-2007 **M. Trendell** (B.Sc) - Sedimentological analysis of late Quaternary deposits exposed along the Bowmanville bluffs, southern Ontario
- 2005-2006 **A. Benson** (B.Sc) - A sedimentological analysis of the lower Gowganda Formation near Whitefish falls, Ontario: a product of rift basin infilling
- 2005-2006 **S. Fletcher** (B.Sc) - A sedimentological analysis of the Upper Gowganda Formation, Whitefish Falls, Ontario
- 2004-2005 **M. Radomski** (B.Sc) - Lake floor seismics, Georgian Bay
- 2004-2005 **M. Lazorek** (B.Sc) - Seismic investigation of sediments in Lake Wanapitei
- 2003-2004 **B. Macdonald** (B.Sc) - Sedimentology of Bow Valley infill
- 2003-2004 **L. DaKeyser** (B.Sc) - Quaternary geology and sedimentology of the Forwell Pit, Ontario
- 2003-2004 **J. Graham** (B.Sc) - Ground penetrating radar of beach deposits, Lake Ontario
- 2003-2004 **L. DaSilva** (B.Sc) - Recruitment of geoscience students

- 2002-2003 **A. Bertram** (B.Sc) - The nature, distribution and origin of sediments below the McMaster campus
 K. Williams (B.Sc) - GIS of geological data, McMaster campus
 K. Rose (B.Sc) - Sedimentology of Lake Erie shoreline deposits
 2001-2002 **Alexander** (B.Sc) - Sedimentology of the Font Hill moraine

Joe Boyce (2004-2009)

Graduate Theses

- 2009-2011 **Andrew Brennan** (M.Sc. in progress) - 3-D geocellular modelling of Quaternary sediments in Halton Region, Ontario.
 Peter Dao (M.Sc. in progress) - Evaluation of magnetic methods for pre- and post-dredge mapping of contaminated lake sediments, Hamilton, Harbour.
 Nicole Fallon (M.Sc. in progress) - Assessment of glaciofluvial aquifer heterogeneity using ground-penetrating radar and air permeameter studies.
 2006-2010 **Lisa Sonnenburg** (Ph.D. in progress) - Holocene lake-level change and submerged archaeological site potential of Rice Lake, Ontario.
 2006-2008 **Gillian Krezoski** (M.Sc. completed 2008) - Paleoenvironmental reconstruction of submerged prehistoric shorelines, Liman Tepe/Klazomenai, western Turkey.
 2004-2006 **Lisa Sonnenburg** (M.Sc. completed 2006) - Paleoenvironmental reconstruction of submerged landscapes in Colonel By Lake, Ontario, using geoarchaeological and geophysical techniques.
 2002-2004 **Christina Clarke** (M.Sc. completed 2004) – Sediment magnetic record of post-colonial environmental changes in Frenchman's Bay, Lake Ontario.
 Shawn Collins (M.Sc. completed 2004) – Outcrop and spectral gamma characteristics of Pleistocene sediments, southern Ontario, Canada.

B.Sc. Theses

- 2009-2010 **Joshua Lymburner** – EM conductivity survey of buried bedrock valleys, Halton Region.
 Alex Fitzgerald – Characterization of sedimentary heterogeneity in a shallow aquifer using ground-penetrating radar.
 Devon Parry - Ground-penetrating radar study of Paleoindian occupation site, Rice Lake, Ontario.
 2008-2009 **Peter Dao** – Pre-dredge mapping of contaminated sediments using multi-sensor gradiometer (SeaQuest™) system.
 Nicole Fallon – Micro-debitage analysis of sediments from Rice Lake, Ontario.
 2006-2007 **Lauren Monpetit** – Paleoenvironmental record of lake level changes in Lake Ogechie, Minnesota, USA.

Ed Reinhardt (1999-2009)

Graduate Theses

- 2009 - **S. Ahmad** (M.Sc. Start Sept 2009) - Petrographic Analysis of Tsunami deposits from Puget Sound, Washington
S. Salimi (M.Sc. Start in Sept 2009) - Foraminifera and sedimentological analysis of estuarine tsunami deposits from Puget Sound, Washington
- 2006-2008 **P. Van Hengstum**, NSERC PGSA (M.Sc. Completed) - Paleoenviromnental Analysis using Thecamoebians and Foraminifera in Mexican Anchialine Caves: A Focus on Aktun Ha(Carwash) Mexico
- 2007 **J. Gabriel** (M.Sc. In progress) - Paleoenviromnental Analysis using Thecamoebians and Foraminifera in Mexican Anchialine Caves: A Focus on OxBel Ha, Mexico
J. Pilarczyk, NSERC PGSA, OGS (Ph.D. In progress) - Microfossil signature of the 1945 Tsunami in Sur Oman
- 2003-2008 **S. Donato** (Ph.D. Completed) - Sedimentologic and Taphonomic Investigation of a 1945 Tsunami Deposit in Sur Lagoon, Sultanate of Oman
- 2001-2003 **L. Kobayashi** (M.Sc. Completed) - Determining Gas Hydrate Venting Periodicity using foraminifera and stable isotopes
- 2000-2002 **K. Chomicki** (M.Sc. Completed) - Paleoenviromental Evolution of the Artificial Reservoir at Caesarea, Israel
- 2001-2006 **B. Goodman** (Ph.D. Completed) - Paleogeography of Limen Tepe Turkey: A multi-proxy geoarchaeological study
- 1999-2001 **C. Nixon** (M.Sc. Completed) - Foraminifera and Tidal Notches: Dating Neotectonic Events at Korphos, Greece

B.Sc. Theses

- 2009 **T. Pegg** (Honours in progress) - Ocean Flood deposits from Southern Italy
A. Brown (Honours in progress) - Hurricane Deposits from Chumkapo Cenote, Mexico
- 2007-2008 **M. Cabral** (Honours Completed) - Distribution of Foraminifera in Yax Chen, Mexico
R. Huang (Honours Completed) - Distribution of Foraminifera in El Eden Cenote, Mexico
- 2006-2007 **J. Gabriel** (Honours Completed) - Paleoenviromental evolution of Cenote Carwash, Yucatan, Mexico
- 2004-2005 **P. van Hengstum** (Honours Completed) - The use of grain size analysis to assess historical land-use change in Frenchman's Bay, Pickering Ontario
- 2001-2002 **S. Collins** (Honours Completed) - Coastal Reconstruction at Tell Abu Hawam, Israel
- 2000-2001 **L. Kobayashi** (Honours Completed) - Marsh Development after the Aug 17th earthquake
- 1999-2000 **R. Fitton** (Honours Completed) - Paleo-Tsunami Detection in a core from Caesarea Israel
K. Chomicki (Honours Completed) - Seismic Uplift detection in cores from Lechaion, Greece
T. McMunn (Honours Completed) - Paleoenviromental evolution of Kour Rouri,

Oman

NSERC - USRA

- 2004 **P. van Hengstum** (NSERC - USRA Completed) - Grain-size analysis of sediment cores from Frederick Sound BC
- 2003 **P. van Hengstum** (NSERC – USRA Completed) - Grain-size analysis of sediment cores from Frederick Sound BC
- 2002 **K. Shokar** (NSERC – USRA Completed) - Stable isotopic analysis of cores from Belize Inlet, B.C.
- 2001 **S. Collins** (NSERC – USRA Completed) - Coastal Reconstruction on the Tihama Plain, Yemen
- 2000 **K. Chomicki** (NSERC – USRA Completed) - Caesarea Ancient Reservoir Project
- 1999 **R. Fitton** (NSERC – USRA Completed) - Foraminiferal and Sr isotope distribution within a small Israeli Estuary