

ASSOCIATION OF CANADIAN MAP LIBRARIES AND ARCHIVES
BULLETIN

Regional News

Edited by Marilyn Andrews

Alberta

**Edmonton Map Society
David Jones**

[Visualizing Birth Outcomes | Modeling in Archaeology | EMS new website](#)

The Edmonton Map Society's Fall 2018 meeting was held on November 8th. Charlene Nielsen and Katherine Gadd gave interesting presentations on recently completed research which used spatial data and GIS analysis.

Charlene C. Nielsen, PhD, Postdoctoral Fellow, Pediatrics – University of Alberta
<http://www.arcgis.com/apps/MapSeries/index.html?appid=c9c6f67f948c4ded8fda0a8aa8c71cc0>,
Academic Liaison, URISA Alberta <https://www.urisab.org/>

Visualizing Birth Outcomes and Air Pollution – Charlene explained her recently completed interdisciplinary PhD research on the relationships of small for gestational age (SGA) newborns and shared environmental exposures on pregnant women. Time-series and three-dimensional mapping displayed how she found associations between hot spots of SGA and surrounding land use, area-level socioeconomic status, and industrial emission in the greater Edmonton area.

Catherine Gadd, Department of Anthropology, University of Alberta.

Expanding Horizons: Heritage Potential Modeling in Urban Archaeology – In June 2017, the City of Edmonton signed an annexation agreement with Leduc County for the land between the south edge of the current city limits and the north edge of the airport, between the North Saskatchewan River and Highway 2. This project aimed to use heritage potential modeling techniques applied to GIS to determine where areas of high potential of previously unrecorded archaeological remains might be, before intensive urban developments begin. Using freely available data from Natural Resources Canada, a model was created that can be used as a first step to evaluate its usefulness to future Indigenous consultation, expanded inputs and improved techniques.

GIS Day 2018: Nov. 16, 2018. Our guest speaker was Dr. Schulze from Purdue University. We also had presentations by two students from [U of A] Earth & Atmospheric Sciences and Pediatrics and, of course, the always informative Esri Canada.

University of Lethbridge
Rhys Stevens

Newly Digitized Aerial Photographs

The University of Lethbridge recently released a new locally-digitized resource entitled *Southern Alberta Aerial Photographs*

https://digitallibrary.uleth.ca/digital/collection/p22022coll2/custom/sa_aerial_map.

It contains descriptions of 4,600 historical aerial photographs (2,600 of which contain high resolution images) selected from a collection acquired last year from the Department of Geography. The majority of photos included were originally produced in the 1960s and 1970s for either Government of Alberta or federal aerial surveys. The collection homepage provides options for users to search photo descriptions by keyword and to browse a map that visually depicts photo centropoints and photo “footprints”. Rhys acknowledges and thanks the map library colleagues from across Canada who provided advice on the development of this project.

Ontario

Brock University
Martin Chandler

Music to the Ears for this New Librarian – Welcome Martin!

On September 1st, I began a year-long contract as the Geospatial/GIS Services Librarian with Brock University, filling Colleen Beard’s shoes while she is on sabbatical. My route to this position was circuitous – I completed a Bachelor of Music. at Mount Allison University, followed by a Bachelor of Education from Acadia University, and was a music and history teacher before undertaking an MLIS. Much credit must be given to Rosa Orlandini for her promotion of the ACMLA at an event for professional associations, as without her, I would not now be where I am. From there, it was a simple matter of petitioning the university to offer a course in GIS librarianship, promoting it to ensure adequate student enrollment, suggesting alternative instructors following the cancellation of the course, promoting it to students again, and finally engaging in the course under the direction of Eva Dodsworth. Further credit goes to the librarians at University of Toronto’s Map and Data Library, for hiring me to work as a student library assistant. I’m happy to say it has all paid off, and I now find myself in this exciting world.

University of Ottawa
Joël Rivard

Collaboration Works Well! | Festive GIS Day celebration!

On November 14 2018, the Royal Canadian Geographical Society (RCGS), the University of Ottawa, Carleton University, the Canadian Association of Geographers, and Natural Resources

Canada partnered to organize a special evening in celebration of Geography Awareness Week under the theme: Why Geography? The event, which was hosted at RCGSs new home at 50 Sussex, included a bilingual panel discussion as well a social hour and breakout discussions.

On November 15, 2018, the University of Ottawa also hosted its annual GIS Day festivities, which included presentations from graduate students in the library's new Tinkering Lab (includes a 4k video wall). The presentations were well received by participants that attended the event.

University of Waterloo
Geospatial Centre
Eva Dodsworth

Digitize, Digitize, Digitize! | Another Great GIS Day Celebration

The Geospatial Centre continues to digitize and analyze historical maps. After georeferencing all the local Fire Insurance Plans, we have created building and street shapefiles. We are also finishing up a project where we have created historical street files of Kitchener for every 10 years starting from 1858. There appears to be a lot of interest in historical streets, buildings, and building uses, so we decided to move forward with a very large project entailing geocoding the city directories from 1900-1990. This project will provide residential, public, and business information based on street addresses. It will help answer questions about early settlement, business types, re-purposing of buildings, brownfield studies, occupations, and overall evolution and development of our local communities. We have access to digitized directories, and will be converting the text to a database which will ultimately be presented in an ArcGIS Online environment. I am currently working on a grant to obtain funding for staff, but in the mean time we are picking away at it any chance we get.

November 14th was GIS Day, and the Geospatial Centre worked with the Faculty of Environment in hosting a productive afternoon of Lighting Talks, an open house, and of course, GIS Day cake. For lighting talks and pictures, please visit our GIS Day page. <https://uwaterloo.ca/environment-computing/gis-day>