



Historical GIS Workshop Outline

Instructor: Marcel Fortin, GIS and Map Librarian, University of Toronto Libraries

Location: Robarts Library, University of Toronto, July 24-25th 2008

Purpose of Workshop

The goal of this workshop is to introduce attendees to the main concepts of Historical GIS by getting them comfortable with GIS software, data, and resources. It should be considered a springboard for building new skills and incorporating them into historical research.

Workshop Structure

The workshop will be divided into two distinct sections. The first section

will deal with the fundamentals of GIS while the second section will be concerned with introducing Historical GIS to the group. Each section will comprise of presentations and examples by the instructor and several hands-on modules. Group discussions will also be interspersed during both days.

Workshop Breakdown

Thursday, July 24th

8am: Coffee and pastries (4049 Robarts)

Part I) Fundamentals of GIS

9am (Robarts fourth-floor computer lab)

1) Introduction to GIS Software

Module 1 - Introduction to ArcGIS

2) Creating a Printable Map

Module 2 - Creating a Printable Map in ArcGIS

3) Building GIS Projects

Module 3 - Creating a GIS Project in ArcGIS

Module 4 - Creating a GIS Project in Quantum GIS

4) GIS Data

Module 5 - Raster vs. Vector data and Projections

Module 6 - Understanding Attribute Data

Module 7 - Understanding Geographic Data

5) GIS Analysis

Module 8 Thematic Mapping

Thursday Lunch will be served at noon in 4049 Robarts

Thursday session will end around 5pm, followed by dinner at a nearby restaurant (tba)

Friday, July 25th

Part II) Historical GIS

9am (Robarts fourth-floor computer lab)

6) Working with Historical/Historic Maps

Module 9 - Georeferencing Large Scale Raster Images using ArcGIS

Module 10 - Georeferencing a Map with a known Coordinate System using ArcGIS

Module 11 - Georeferencing a Map in Quantum GIS

7) Building a Historical GIS

Module 12 - Creating Point Features

Module 13 - Creating Polygon Features

Module 14 - Creating Line Features

Module 15 - Automating your Data creating using ArcScan

Metadata

9) Web Mapping

*Friday Lunch will be served at noon in SSH1078, Sidney Smith Hall
Workshop will end around 5pm*