

GEOM 2007 Final Project

Data Sources

We have a variety of digital data sources available to you. These include, but are not limited to:

1. A vast collection of data from the city of Ottawa.
2. OBM map sheets for the downtown core (including the market area)
3. NTDB (national topographic database) digital topo maps for most of the Ottawa area
4. Statistics Canada digital boundary files for the City of Ottawa at the census subdivision (CSD), census tract (CT) and enumeration area (EA) levels (in increasing order of spatial detail). These include the 11 former municipalities and townships now within the city.
5. Statistics Canada street network files for the City area. These files include all the road networks and is constructed in such a way that spatial geocoding can be performed.
6. Statistics Canada postal code file
7. The soils map for RMOC

There is also a variety of information on

1. There are zoning, historical and land use maps in the MADGIC section of the library.
2. Statistics Canada census data is available in digital form in the MADGIC section of the library.
3. Paper copies of older census data do exist.
4. We have an air photo library at 601 Booth Street for those who wish to show land use change since the coverage an time increments is much better than paper maps.
5. The national archives has a lot of stuff.

The atlas/data set must have value-added information OR demonstrate a particular application of GIS.

1. A historical atlas of region X showing the evolution of the region chosen (change in population, the changes in land use within the area, the evolution of the road and building network etc.)
2. An environmental atlas of region X showing the nature of the biophysical resources in the area (vegetation types, soil information, terrain types etc.)
3. An atlas of economic development/conditions of region X (location of businesses, types of business, changes in economic landscape etc.)

The report should be 5 – 6 pages and EXCLUSIVE of maps and it should contain a detailed description of your data including sources, datums, original format etc. The report should also contain paper copies of all your maps.

The project must be full transportable and it should run from the CD, so ensure that relative paths are used when saving the project. Make sure that any unnecessary extensions that you used to perform tasks are removed from the project prior to making it transportable (ie. lock your customization).