

Faculty of Architecture Landscape and Design

Student Guide to Digital Map Resources

Did you Know?

The University of Toronto Libraries has an extensive collection of paper maps and digital mapping data. The Data, Map, and Government Information Services (DMGIS) has several staff members who can assist you in finding both paper and digital mapping information. For paper map requests, please visit the reference desk on the 5th floor of the Robarts Library or call at 416.978.3931, or start your research in the library's catalogue at www.library.utoronto.ca.

This short guide is intended to help you with your digital mapping research.

The first step in your research into digital mapping data should be to consult the Map, Air Photo, and GIS Collection web pages at <http://www.library.utoronto.ca/maplib/> (from hereon "maplib web")

Contact **Marcel Fortin**, GIS & Map Librarian at gis.maps@utoronto.ca or 416.978.1958 in the Data & GIS Services area for further information on any of the following resources or about learning to use Geographic Information Systems software. Workshops and tutorials are available for classes and individuals. Please contact Marcel if you wish to attend a tutorial or workshop.

The following are selected resources which may be of some use to you. Many more resources for Toronto and other geographic areas are available on the web site listed above. Keep in mind that some resources are only available in GIS format but can be converted to Autocad (DWG/DXF) using tools available in both ALD and the map library.

GIS Software

ALD is a partner in the ESRI GIS Software consortium. This entitles the department to install all GIS software on any number of machines in the school.

ArcGIS

As well, students can obtain a personal copy of ArcGIS/ArcView. The license is for 365 days. A valid current U of T student card is required to obtain the software.

ArcGIS for AutoCad

Free download for providing Autocad users access to GIS files. See:
<http://www.esri.com/software/arcgis/arcgis-for-autocad/index.html>

File Manipulation Engine (FME)

FME is available on some ALD computers. It is a very robust file conversion tool that can easily transform and convert most data from one format to another including from GIS to Autocad and vice versa.

Air photo resources (for a complete listing of all our air photos in paper and digital, see the following document: <http://www.library.utoronto.ca/maplib/airphotos.htm>)

Coverage	Year	Access	Resolution	Colour/BW
Toronto	2005	Request - http://prod.library.utoronto.ca:8090/maplib/AP_2005/Index2005.pdf	20 cm	Colour
Toronto	2005	http://map.toronto.ca/imapit/iMapIt.jsp?app=TOMaps	50cm	Colour
Toronto	2003	Request from Data & GIS Services	20cm	BW
Toronto	2002	maplib web	20cm	Colour
Toronto	1999	Maplib web	50cm	Colour
Golden Horseshoe	2002	maplib web	20cm	Colour
Southern Ontario	1954	maplib web / paper	2.5m	BW
Toronto & Golden Horseshoe	1995	maplib web	1m	Colour
Toronto & Area	1964	maplib web	1:20000	BW
Toronto (old city)	1990	Maplib web	1:5000	Colour
Toronto (old city)	1992	Maplib web	1:20000	Colour
Toronto	1997	Maplib web	1m	BW
Toronto & Area	1999	Maplib web	50cm	Colour
Montréal	1999	Maplib web	1m	Colour
Waterloo	2005	Request		
London	2000; 04; 06	Request		
Hamilton	1999; 05	Request		

Digital Mapping Resources (for a listing of all digital mapping resources, see <http://www.library.utoronto.ca/maplib/>)

Coverage	Title	Year	Access	Scale	Format	Description/Layers
Toronto	Property Data Maps	2006	Request	1:2000	Autocad / PDF / Shapefile	Building Outlines, Roads, Curbs, Fire Hydrants, Transmission Lines, Street Car Lines, etc.
Toronto	Property Data Maps	2004	Request	1:2000	Autocad / PDF	Building Outlines, Roads, Curbs, Fire Hydrants, Transmission Lines, Street Car Lines, etc.
Toronto	Online Mapping Tool	2005	http://map.toronto.ca/imapi/iMapIt.jsp?app=TOMaps		Web	Property Outlines, Administrative Boundaries, Air photos, transportation, social services, etc.
All Canada	CanMap RouteLogistics	2004	Maplib web		GIS	Roads
Toronto	Toronto Base Mapping	2004	Maplib web	1:10000		Roads, Contours, Spot Heights (elevation), buildings etc.
Toronto	Toronto Contours	2002	Web	1 metre	GIS/CAD	
All Canada	Digital Elevation Models	Various	Geobase .ca	1:50000	DEM	To create 3d models and contours
Golden Horseshoe, including Toronto	DTM	2002	Request	20cm	DTM	To create 3d models and contours
All Canada	National Topographic Database	Various	Request	1:50000	GIS/Autocad	Contours, physical features, roads, buildings, etc.
Ontario	Ontario Base Maps	Various	Request	1:10K 1:20K	GIS	Roads, Contours, Spot Heights (elevation), buildings etc.
Southern Ontario Counties	Parcel Layers	2002	Request		GIS	Parcel / Property Boundaries
Canada	Census Geography	1991, 1996, 2001, 2006	Maplib web		GIS	Blocks, Census Tracts, Dissemination Areas, Divisions, Subdivisions, Census Metropolitan Areas, etc.

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Document Location and Name:

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Note that this document is periodically updated. Check for updates by visiting the following location:

<http://www.library.utoronto.ca/maplib/ALDhandout.pdf>