How to Reference Geospatial Data, Maps, Atlases, Air photos
*To reference course-specific materials, refer to Course subject guides

**GIS Data** (vector data acquired from an electronic source, i.e. Scholars GeoPortal, Niagara Open Data website, ArcGIS.com, MDGL local access)

a) Basic Form from website:
**Database Title** [format]. Place of publication: Publisher, Date. Available: Name of site and <URL> (accessed date).

*Examples:*


b) Basic Form from local access:
**Data Title** [format]. Place of publication: Publisher, date. Available: Local access information (accessed date).

*Example:*
*NPCA Natural Areas Inventory [computer file]. Welland, ON: Niagara Peninsula Conservation Authority, 2011. Available: Brock University Map, Data & GIS Library Controlled Access MapLibrary\DATA\Niagara\NPCA\NPCA_WRIP_largescale\NaturalAreasInventory\ (Accessed March 22, 2013).*

**Map created using GIS Software** (a map you prepared in ArcGIS using multiple data layers)

Basic Form:
**Map Title** [map]. Scale. Data layers publisher and names [computer files]. Place of publication: Name of person who generated map, date. Using: computer software name [type of software]. Version or edition. Software manufacturer location: Software manufacturer name, date of software release/copyright.

*Example:*

**Satellite Imagery**

Basic Form:
**Author. Title or Scene ID, Satellite and sensor name, processing level. Place of publication:** Publisher, Date of image collection.
Example:

**Orthoimagery - see Geospatial Data Fact Sheet**

**Digital Static Map** (Map from a website or other digital collection that cannot be altered)

a) Basic Form from **website**:
Author. *Map Title* [format]. Scale. “Title of website”. <URL> (accessed date).

Example:

b) Basic Form from **local collection**:
*Map Title* [format]. Scale, if known. *Atlas Name* [format]. Place of publication: Publisher, Date. Available: Local access information (accessed date).

Example:

**Interactive Map created from a Website** (a map you generated from a web site, by adding, removing, or customizing layers, i.e. Niagara Navigator, ArcGIS online, Scholars GeoPortal)

Basic Form:
Author. *Title of map created* [format]. Layers used. Scale. Name of person who generated map; using “Title of Website” <URL> (accessed date).

Examples:

**Map generated using Google Earth**

Basic Form:

Example:

**Maps, Atlases & Airphotos**

**Single Map**

Basic Form:
Author. *Title [format]*. Edition (if indicated). Scale. Place of publication: Publisher, Date.

Example:
Brock University Department of Geography Cartography Office. *Sub-appellations of the Niagara Peninsula Wine Region [map]*. Scale 1:60,000. St. Catharines, ON: Brock University Department of Geography, 2005.

**Atlas Citation**

Basic Form:
Author. *Title*. Edition (if indicated). Place of publication: Publisher, Date.

Example:

**Map in a Topographic Series**

Basic Form:

Example:

**Map in a Thematic Series**

Basic Form:

Example:
**Map in a Book**

Basic Form:

*Example:*

**Map in an Atlas**

Basic Form:

*Example:*

**Air Photo** (refer to individual flight line indexes)

Basic Form:
Source. [Title] [format]. Scale. Line/roll number. Photo number. Place of publication: Publisher, Date.

*Example:*

**Sources:**


Ohio Westlayan University Libraries [http://library.owu.edu/citing222.htm](http://library.owu.edu/citing222.htm)


Global Landcover Facility, University of Maryland. [http://glcf.umd.edu/data/landsat/](http://glcf.umd.edu/data/landsat/)