**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, Map Library local access)

a) Basic Form from **website**:

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

**Example:**


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:

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*


Global Landcover Facility, University of Maryland. *http://glcf.umd.edu/data/landsat/*