

## **HOW TO... HELP Guides and Tutorials**

### **ARCGIS**

#### **BASICS**

##### **Version 10**

[Instruction Videos \(16\)](#) – a selection of short “how to...” procedures (UT Mississauga)

[Using ArcGIS 10 - Introduction Guide](#) (UT Mississauga)

[Creating Maps in ArcGIS 10](#) (Waterloo)

[Using ArcGIS 10 - Intermediate Guide](#) (UT Mississauga)

Short Modules for the basics:

[Moving Around in ArcMap - ArcGIS 10](#) (Guelph)

[Selecting Geospatial Data - ArcGIS 10](#) (Guelph)

[ArcCatalog - Arc10](#) (Brock)

[Accessing data from WMS in ArcGIS 10](#) (Brock)

[Working with Tables in ArcGIS 10](#) (Guelph)

[Defining Projections - ArcGIS 10](#) (Guelph)

[Creating a Map Layout - ArcGIS 10](#) (Guelph)

[Creating Map Packages – Arc10](#) (Brock)

[Saving to older .mxd files - ArcGIS 10](#) (Guelph)

[Creating New Layers \(shapefiles\) - ArcGIS 10](#) (Guelph)

[Calculating Geometry \(area, length, centroids\) - ArcGIS 10](#) (Guelph)

#### **CLIPPING**

[Clipping Geospatial Data - ArcGIS 10](#) (Guelph)

[Clipping Raster Data – ArcGIS 10](#) (Brock)

[Clipping a Single Layer in ArcMap](#) (Brock)

[Clipping layers to a Data Frame view – ArcGIS 10](#) (Brock)

[How to Clip Multiple Layers in ArcMap 9.x](#) (York)

[Clipping DEM Data](#) (Brock)

#### **CENSUS DATA**

[Mapping Census Data using ArcGIS 10](#) (Waterloo)

[Intro to Statistical Mapping](#) (Brock)

[Mapping Census Data](#) (Waterloo)

[ArcMap & Census Data \(2006\)](#) (Toronto)

[ArcMap & Census Data \(2001\)](#) (Toronto)

[Working with Census Data in ArcMap 9.x](#) (Queens)

[How to join Census geography files with Census attribute data](#) (Queens)

[Guide to locating and downloading census 2006 boundary files](#) (Queens)

[Downloading data from ESTAT](#) (Carleton)

[Joining ESTAT data to ArcMap Shapefiles](#) (Carleton)

[Census Mapping using Equinox](#) (Trent)

#### **GEOCODING**

[Geocoding - Arc10](#) (Brock)

[Geocoding by Postal Code in ArcMap 9.0](#) (Ryerson)

[Mapping Survey Results \(geocoding in ArcGIS\)](#) (Waterloo)

[Geocoding by Street Address and Postal Code](#) (Waterloo)

#### **GEOREFERENCING**

[Georeferencing Images](#) (Toronto)  
[Georeferencing in ArcMap](#) (Waterloo)  
[Georeferencing historical maps in ArcGIS and Google Earth](#) (Waterloo)

## IMPORTING into ARC

[Importing ArcInfo Interchange files \(.e00\) to ArcInfo Coverages](#) (Brock)  
Some data sets are delivered in ArcInfo Interchange file format (\*.e00). In order to use these files with ArcGIS (ArcView) they must be imported to ArcInfo coverages, at which point they can be exported to shapefile format (native to ArcView).

[Convert .e00 format files](#) (Queens)

## RASTER DATA

[Converting DEM Data to Raster](#) (Brock)  
[Opening Digital Elevation Data in ArcMap 9.x](#) (Ryerson)  
[Working with DEM-DTM in ArcMap](#) (Waterloo)  
[Merging GRID Files](#) (Brock)  
[Creating Contours using ArcGIS/ArcMap](#) (Toronto)  
[Generating Contours from a Digital Terrain Model \(DTM\) in ArcMap 9.0](#) (Ryerson)

[Importing Canadian Digital Elevation Data \(CDED\) in ArcMap 9.x](#) (Ryerson)

[Using ETOPO2 grid data in ESRI software](#) (Queens)  
[Defining Projection for Raster GRID data](#) (Brock)

[Working with OGDE DEM data in ArcMap 9x](#) (Queens)  
[Opening and Merging Ontario Digital Elevation Model Files in ArcMap 9.0](#) (Ryerson)  
[Working with NRVIS \(Ontario\) DEM](#) (Waterloo)  
[Working with Grand River Conservation Area digital elevation models](#) (Waterloo)  
[Surface Analysis Using DEM Data](#) (Guelph)

## EXTENSIONS

[3D Visualization – Arc10](#) (Brock)  
[Viewing DEM data in 3D using ArcScene](#) (Brock)  
[DEM/3D in ArcGIS 8.3](#) (Toronto)  
[DEM/3D in ArcGIS 9.0](#) (Toronto)  
[3D Visualization of Contours and Orthophotos in ArcScene 9.0](#) (Ryerson)

## OTHER ARCGIS

[Using ModelBuilder to Create Feature Classes](#) (Trent)  
[Batch processing in ArcGIS10](#) (Guelph)  
[Creating Points from x,y data in ArcMap](#) (Brock)  
[Geospatial Data format conversion](#) (Guelph)  
[Adding x,y Coordinates to a table in ArcMap](#) (Brock)

[Converting GIS Files in ArcGIS](#) (Toronto)  
[Downloading Geospatial Data](#) (Guelph)  
[Setting the Scale and Adjusting Paper Size in ArcMap 9.x](#) (Ryerson)  
[Saving Older MXD files in ArcMap](#) (Toronto)  
[Saving to older .mxd files](#) (Guelph)

[ARCINFO Workstation – ARC — Converting .ADF Files TO .E00 Files](#) (Guelph)  
[Merging \(Merge / mosaic\) geospatial data - ArcGIS 10](#) (Guelph)  
[Creating Buffers \(vector & raster\) - ArcGIS 10](#) (Guelph)  
[Working With .TBL Files – LIO SNIF Packaged Data - ArcGIS 10](#) (Guelph)  
[GIS Analysis using ArcGIS](#) (Waterloo)

## ARCVIEW (3.X)

[Working with Files in ArcView](#) (Ryerson)  
[Clipping Multiple Files using BatchClip.avx](#) (Brock)

## OPEN SOURCE GIS SOFTWARE

[QGIS Guide](#) (Waterloo)  
[Creating Simple Maps in QuantumGIS](#) (Waterloo)  
[Creating Simple Maps in TatuGIS](#) (Waterloo)  
[Creating Contours using Global Mapper](#) (Toronto)

## GOOGLE MAP

[My Google Map - Basics](#) (Brock)  
[Adding GIS files to Google Maps](#) (Toronto)

## GOOGLE EARTH/PRO

[Comparison of Google Earth and Google Earth Pro](#) (Waterloo)  
[Intro to Google Earth](#) (Brock) - adding custom features with text; and basic HTML code (to insert a photo image).  
[Creating Customized Maps in Google Earth](#) (Waterloo)  
[Google Earth Level 1: Introduction](#) (Waterloo)  
[Google Earth Level 2: Creating KML files](#) (Waterloo)

[My Google Earth](#) (Brock) - Google Earth basics; transparency; timeline function; adding an image overlay.  
[Creating a Superoverlay in Google Earth](#) (Brock)  
[Georeferencing historical maps in ArcGIS and Google Earth](#) (Waterloo)  
[Sketchup](#) (Waterloo)

### GE TOOLS

[GPS Visualizer](#) (Carleton)  
[How to Use the Google Earth gps toolbar](#) (Carleton)  
[Using GPSVisualizer & Earth Point](#) (Brock) - geocode addresses; Earthpoint is used to view in Google Earth.

[ESRI \(SHP\) to Google \(KML\) File Conversion](#) (Brock)  
[KML - conversion from Shapefile using ArcScript](#) (Waterloo)  
[Converting Shapefile to KML Application Review](#) (Waterloo)

## ACCESSING WEB RESOURCES

[Mapping with EStat](#) (Brock)  
[GeoSearch2006](#) (Brock)  
[CanMatrix: Georeferenced](#) (Brock)  
[CanMatrix: PDF](#) (Brock)  
[Geological Survey of Canada \(GSC\) Maps on MIRAGE](#) (Brock)

[Downloading Ontario Base Data](#) (Brock)  
[Downloading Ontario Road Network Data](#) (Brock)  
[Ontario Geological Survey \(OGS\) Maps](#) (Brock)  
[Online Mapping](#) (includes tutorials for Google Earth, Scribble Maps, Mapme.com) (Waterloo)

## OTHER SOFTWARE

[Converting GIS Files in FME](#) (Toronto)  
[Exporting Contours to Autocad using ArcGIS](#) (Toronto)  
[How to Convert a Shapefile \(.shp\) into a CAD Drawing \(.dwg\) Format](#) (Ryerson)  
[Creating a URL-Driven Webpage \(Zoomify\)](#) (Brock)  
[Beyond 20/20 : Statistical Data Browser Software](#) (Waterloo)  
[Importing images into WORD](#) (Brock)

## CITING DATA AND MAPS

[Cartographic Citations Guides](#) / [Références à des documents cartographiques](#) (ACMLA)

## **RESOURCE GUIDES**

[Resources for Architecture, Landscape, and Design](#) (Toronto)

*Compiled April 2010*  
*Updated January 2011*  
*Updated February 2012*  
*Updated May 2012*