

# Analytical and Computer Cartography

GEPL 4520-5520

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Feb 19, 2004

## Assignment 5

- Assignment:** Create a general reference map of with the data set you will be using for the rest of the maps. Find digital and/or paper maps. Make all base map data into Shapefile format. Collect and document your attribute data. Put your attribute data into a format .dbf4 for ArcView and join the attributes to the location.
- Due:** Mar 4, 2004
- Where:** Hand in printed map in class, and email Jpeg of map to james.coss@utoledo.edu. Catalog and cite your data in a paper to hand in.
- Points:** 25
- Purpose:** The rest of the maps you will be making will be based on this data. You need to find the data, it can be in both digital or paper form. Either way the data must end up in digital form and with the attributes and locations linked or geo-referenced.
- Tools:** Computer with ArcView and Excel, or Access.
- Grading Points:** Data collected and complete  
Citation write up  
General reference map contains all elements of a good map,
  - Political boundaries major and minor
  - Hydrography
  - Transportation
  - Any boundary specific to your research interest.Attribute and location data linked.
- Corpus:** This assignment will require that you create a base map of your region of study. This will be a general reference map. You will include a transport layer, a general political boundary, coastline and or water boundary, as well as any other boundary specific to your research. This map will be the basis for the rest of the maps you will be making. You will create or collect the data in digital format. There are several data sets available, including paper maps from which you can pull this data. Whatever the format you will need to put that data into a ESRI Shapefile™ format. You will also need to develop the attribute database. This data needs to be geo-reference with your base map location data. The data and the map need to be cited, you need to maintain a record of the data sources for your metadata record. Data needs its pedigree maintained. The attribute data needs to be of the sort that will support all of the kinds of thematic map that we have discussed. Dot, choropleth, proportional symbol, daesymmetric, isoline, and cartogram. The attribute data should be stored in .dbf4 data format. This is the native format for Shapefiles™. Most software that deals with data such as Excel™ can output the data into that format.