Assignment - Project Flow Chart - Process Steps

Assignment 7 - Project Flow Chart or Process Steps

Format: **Text or PDF document. Place on Student Work Zone section of the wiki**

At this point in the semester, you should have completed your data acquisition or be close to doing so. The goal of this assignment is for you to lay out in detail exactly what you will do for the final project using these data sets and how you will get there. This is a written assignment - you do not need to turn in any maps unless you feel it would be helpful in your explanation of steps.

In your assignment:

- Briefly describe your project goals (can be copied and pasted from your last assignment if it hasn't changed)
- Complete the additional requirements below depending on your project - in general we want to see your GIS data layers (in a table is best), the steps you intend to take (can be in a flow chart or in a numbered list), and your expected final product in terms of maps, tables. etc.

If your project is a fairly linear analysis (proceeding through an analysis process to get a final result), describe

- the GIS data layers you will use plus any tabular data sets
- the data processing steps (e.g., geocoding, creating a smaller data set, getting it into a uniform coordinate system, adding any necessary fields, calculating area)
- analysis steps in terms of actual ArcGIS functions (e.g., spatial join, buffering, selection queries)
- products you will produce (maps, tables, etc.)

If your project is more in the nature of a community inventory, describe:

- the GIS data layers you will use plus any tabular data sets
- the data processing steps (e.g., geocoding, creating a smaller data set, getting it into a uniform coordinate system, adding any necessary fields, calculating area)
- exactly what maps you will produce with a brief explanation of the map's relevance for the community and what kind of map it will be, what attribute fields will be used if it is based on an attribute field, what queries will be used, etc. Do this for each map you expect to produce.

If your project focuses more on data assembly and exploration in preparation for a larger thesis or research project, describe:

- Each data layer you will acquire and how it will fit into the future project
- Each data layer you will create (if you are creating data)
- Each data layer you will derive from other data (e.g., slope from a digital elevation model)
- Any tabular data you will acquire or create and how it will be linked to the geographic data layers
- Specific types of analysis you plan to do with this data and how you might accomplish this - the full analysis you want to do may lie in the future (e.g., for your thesis) - in this case, describe that, but also describe some exploratory or experimental analysis you will try out for the GIS project
- Issues you have encountered during data collection and assembly that may affect the outcome of your future project.

If you have questions or need additional guidance, contact the instructor.