Final Projects

At the conclusion of this session, you will be able to:

- ❑ Develop a mobile GIS project, create a file geodatabase that reflects your project objectives, collect the field data using ArcPad 10, and present your results to the class

Material Created By: Eric Kelchlin (July 2008)

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Software: ArcGIS 10 SP3, ArcPad 10 SP3

Please read all the instructions before you start!

This is a team project, so please work together. You will be assigned a team member mid-week.

Project Objective

- ❑ Develop a mobile GIS project, create a file geodatabase that reflects your project objectives, collect the field data using ArcPad 10, and present your results to the class.

How much time do you have?

- ❑ Thursday afternoon to design the project and do field work.
- ❑ **8:00 am - 10:30 am** on Friday for wrapping-up field work and creating the presentation.

Project Guidelines

- ❑ Talk to the instructors about your project idea before you commit to something too grand or to small for the allotted time.
- ❑ Create a GPS Project Summary page FIRST as shown in many of the exercises.
- ❑ Use the geodatabase design worksheet (**Geodatabase_Form.xlsx**) located in the **Documents\Other_Materials** folder to design your project.
- ❑ Design and create a file geodatabase with at least:
  - o 1 feature dataset
  - o 1 point feature class and 1 line or polygon feature class
  - o 3 unique domains
  - o 1 subtype
  - o 1 related table
- ❑ Create metadata for one feature class documenting your project purpose, objectives, data collection methodology, analysis techniques, etc…

Presentation Guidelines

Create an 8-10 minute PowerPoint presentation to show us what you accomplished. Please make this a team effort. Your presentation should include:

- ❑ State your project scenario and objectives; what were you trying to accomplish and why?
- ❑ Show your geodatabase structure and field data.
- ❑ Describe your data collection methodology.
- ❑ Discuss any problems you ran into and solutions you used to solve them.
- ❑ Would you do things differently next time and why?
- ❑ We'll come around with a flash drive to dump your projects on when your done.

Final Project Ideas

- ❑ Beer brewery tour
- ❑ Park lighting project
- ❑ Waterfowl survey
- ❑ Monitoring songbirds via point count stations
- ❑ Farm unit management measurements
- ❑ Environmental education nature tour
- ❑ Archeological inventory