

Software Tools for Environmental Field Study (STEFS)
1.992 Special Studies in Civil and Environmental Engineering
Fall 2001 Term

Assignment 1

In STEFS Lecture 2, we learned about mobile technology, some applications for PocketPC and more details concerning the field trip. Choose **one** (1) of the below tasks and bring it in to our next class on September 21, 2001. Each student will have a 5 minute show-and-tell session.

- a. Find a third party software application that your are interested in using for the class and the field trip. If free, download this application and try it out. Attempt to uploaded onto the PocketPC. Demonstrate its use to the class and convince us that we should use it. If not for free, research the subject (possibly through a trial version, if available) and convince the class that this is a worthwhile investment. Present competing products for a careful evaluation of prices and functionality.
- b. Find a software company that produces a product similar to the one we are proposing to develop for this class. Research the product thoroughly. Describe how it is similar or different from our proposal. Attempt to get a free copy or demo of the product from the copy. Get direct information from the company as to what the applications of the product are without disclosing our information.
- c. Find a map on the *Hawkesbury-Nepean watershed region* that demonstrates either the land use cover, the soil classification, the topography, the river network or the urban infrastructure. Bring this map to class as a JPG file on your computer account or personal website. Document the source of the data (e.g. internet site address), who produced it, when it was produced and any details you find on the map projection, scale, etc. Find out how we can get this map in digital format for use within ArcView GIS.

Please make any materials that you want to bring to class accessible to others through your personal website. Short 5-minute powerpoint presentations are allowed. Document all relevant information for inclusion on the ENVIT website.