

Analytical and Computer Cartography

GEPL 4520-5520

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Assignment 8

Assignment: You will make another set of maps. 10 maps This map series will map a surface, using a spatial analyst in ArcView. This project will demonstrate the problems associated with finding appropriate data to map using continuous surface mapping techniques. You will make 3 maps using contour lines, 3 maps of a surface, 3 maps of shaded relief, and 1 map that combines surface and contour lines in Black and White.

Due: April 15, 2004

Where: Hand in printed maps all 10 in class, and email Jpeg all 10 of the maps to james.coss@utoledo.edu.

Points: 20

Purpose: To make you choose a proper and appropriate variable for mapping using surface, shaded relief and contours. Also to make you make decisions about having to map using black and white.

Tools: Computer with ArcView.

Grading Points: Appropriate data type. All features of a good map present, Critical input comments. Clean accurate and demonstrating your command of the mapping technique outlined in this project

Corpus: Perhaps one of the hardest parts of using surface mapping techniques is choosing an appropriate variable. You can map essentially any point theme as a surface. This doesn't however, make it a reasonable mapping technique. The object or feature being mapped must be a continuous surface. Air temp is a good example, as is turbidity of a truly continuous feature that grades smoothly over space. Again you must make a series of maps for the purpose of exploring how differing the symbols can change or alter your intended message. Good luck Email me with any questions.