GEY 430/640 Geographic Information Systems (GIS) – Theory and Application
Homework #1
Due January 27, 2004 (at beginning of lecture)

GEY 630 students:
Using the internet find available web sites where you can obtain GIS data. Provide the URL for the sites you have visited as well as a brief description of the site and type of data available (see example **a** below). Find a minimum of 10 sites. Try to locate sites that would be most useful for a study you might conduct. Once you have located the web sites, make a web page with your findings. If you do not know how to make a web page, don't worry. You find simple instructions at the following locations or find a site online:
http://geoscience.unlv.edu/Resources/html/intro.html
http://www.pagetutor.com/pagetutor/makapage/index.html

I do not just want a web page of the links, please make a page whereby you can update throughout the entire semester. You will need to get a web area, go to http://ccs.unlv.edu/scr/account.asp to get a web account if you don't have a site already. Once you have designed your web page, publish it on your web site and send me your URL.

For example (from P. Bolstad, UofM)
a. Minnesota Department of Natural Resources
GIS Data Deli: http://deli.dnr.state.mn.us
This site provides raster and vector layers of data for the State of Minnesota. Examples of layers one might obtain are: DRG of the entire state at several different scales, DLG's of roads and lakes, DEM's of all counties, Wetland data, Public Land Survey Data.

This data can be found in many places. Listed on the other side are some national and Minnesota sites. Many other states have GIS/RSL sites. Look around on the Internet. You might try search engines to find ideas. Some of the data files might not be free or need to be sent on CD or paper. Don't order anything by mistake. You only need to find the site and type of data one "COULD" obtain from that resource.

University of Minnesota Remote Sensing/Geospatial Analysis Laboratory, 210 Green Hall
http://rsl.gis.umn.edu/

Other University of Minnesota
Environmental Resources Spatial Analysis Center - http://www.ersac.umn.edu
Soil Landscape Analysis Laboratory - http://www.soils.agri.umn.edu
Borchert Map Library - http://www-map.lib.umn.edu/
Minnesota
Department of Natural Resources - ForNet - http://www.ra.dnr.state.mn.us/
Land Management Information Center - http://www.lmic.state.mn.us
Metropolitan Council (mapping/GIS) - http://gis.metc.state.mn.us/

Minnesota GIS/LIS Consortium - http://www.mngislis.org/
GIS Data Deli - http://deli.dnr.state.mn.us
Federal Government and Satellite Systems
US Geological Survey - http://www.usgs.gov
EROS Data Center - http://edcwww.cr.usgs.gov/eros-home.html
NASA Earth Sciences Program - http://www.earth.nasa.gov/
Landsat 7 - http://landsat.gsfc.nasa.gov/
Earth Observing System - http://eospso.gsfc.nasa.gov/
Commercial Satellite Remote Sensing Systems
Space Imaging - http://www.spaceimaging.com
Earth Watch - http://www.earthwatch.com
SPOT - http://www.spot.com
ORBIMAGE - http://www.orbimage.com
Professional Organizations
American Society of Photogrammetry and Remote Sensing - http://www.asprs.org
University Consortium on Geographic Information Science - http://www.ucgis.org
National Council on Geographic Information and Analysis - http://www.ncgia.ucsb.edu
GIS WWW Resource list:
http://www.geo.ed.ac.uk/home/giswww.html
Category listing of GIS sites
http://www.gislinx.com/