Assignment 1: QGIS Tutorial

Instructor: Michael Treglia

Landscape Analysis and Modeling, The University of Tulsa, Spring 2016

Due: 21 Jan 2016; worth 10 points

*Note: This material is available online at http://mltconsecol.github.io/TU_LandscapeAnalysis_Documents/Assignments_web/Assignment01.html

Getting to Know GIS/QGIS

GIS is a powerful tool for analysis and visualization of spatial data. This assignment is designed to get students familiar with one popular open-source tool, QGIS.

For this assignment, go through the tutorial provided in class and available at http://mltconsecol.github.io/QGIS-Tutorial/, with the available sample data, and produce a final map, similar to the one at the end of the tutorial. Some steps in the tutorial are not necessary to produce the map, but highlight useful tools in QGIS, and illustrate valuable geospatial operations.

The final map should have the following elements:

- At least one vector layer representing something about the City of College Station;
- At least one raster layer, clipped to the City of College Station;
- An inset, showing College Station within Brazos County;
- Grid lines with latitude/longitude labels for main map;
- North Arrow;
- Scale Bar; and
- Legend.

Students may work together to solve problems and figureo ut workflows, but everybody should turn in their own maps. **Please put your name on your final map.**