

FNR 65 Lab 6

College of the Redwoods Building Inventory

Name: _____ Date: _____

Today we will create a polygon shapefile of the buildings at the College of the Redwoods. We will also populate a table with attributes for various fields.

Deliverables emailed to the instructor:

1. Map of the campus with buildings labeled with their acronyms. Include a legend and a table with Building Names, Acronyms, and Area in square meters. Don't forget the basic components of a map product with excellent cartographic skills.
2. A Description of your workflow in the format of a text document (like in lab 5).

Task 1: Load Imagery and Create Polygon Shapefile

Load the 2012 NAIP imagery.

1. Create a Shapefile for the buildings. (polygon, UTM NAD 83 zone 10N)

Task 2: Digitize Buildings

1. Digitize the buildings based on the imagery. Include AR-C, AR-O, AT, CDC, ST, CA, DH, AJ, FH, FR, GH, HO, HU, AJ, LRC, MN, MH, PA, PE, RBC-A, RBC-B, RBC-C, SC, SS/AD, DU, WH, PS, LS.

Task 3: Populate Table with Data

1. Add the following fields:
 - a) Name: Area_m2, Type: short integer
 - b) Name: Name, Type: Text, Length: 30
 - c) Name: Acronym, Type: Text, Length: 6
2. Populate the Records
 - a) Use the map of the campus to enter the text data.
 - b) Calculate the area for the Area_m2 field.

Task 4: Be Cartographically Excellent

1. Compose a map that considers all that a student might have learned in our labs to date.
2. Include a table. Either use a table made from within ArcMap, or from MS Excel. If you use the table from ArcMap, format the table first, then place it on the map layout.

Task 5: Be Metadata Excellent

1. Prepare a text document that provides details about how you completed this lab.