


Editing Spatial Data Workshop

Spring 2015 – Spatial Analysis Lab

1. Locate the Historic_Campus_Buildings map package, double-click to open:
Q:\Classes\Workshops\Spring2015\Historic_Campus_Buildings.mpk
2. Explore the historic campus map
3. Use the swipe tool found on the effects toolbar to swipe the layer to view today's orthophoto underneath:

- a. Go to **Customize → Toolbars → Effects** to turn on the Effects toolbar
- b. Make sure the campusmap19351 map is selected in the box
- c. Click the swipe button, then drag on the screen to reveal the map underneath 

4. Turn on the campus_buildings_1935 layer and look for differences between today's building location, size/shape, and presence/absence to identify features to change


- a. It may be helpful to switch to the **pan** tool for this 

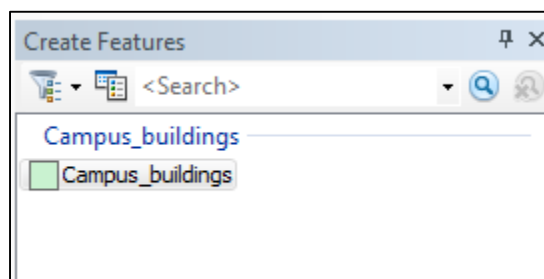
5. Right-click on the campus_buildings layer and choose **Edit Features → Start Editing**
 - a. The goal is to change the building layer to reflect the buildings present on campus in 1935
 - b. Go through the following steps to learn each of the feature editing abilities

- Remove a building: locate a building that exists today and did not in 1935
 - a. Click on this building using the black select arrow, this should highlight the building – it is now selected

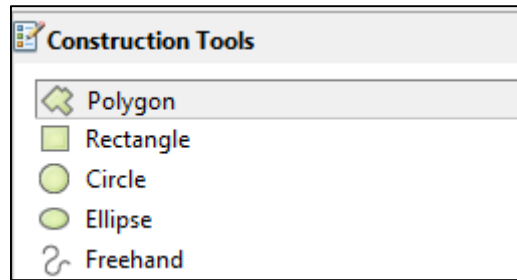


- b. To delete the building you can simply press **Delete**
- c. Go ahead and use the "Editor" dropdown to select **Save Edits**, this will save the changes


- Add a building: locate a building that once existed and has since been removed
 - a. Locate the **Create Features** window to the right of the screen – if it is not open, click 
 - b. Select the feature to-be-made – Campus_buildings_1935



- c. Choose polygon from the list of feature types




- d. Choose one of the building corners (on the 1935 map) and click once to create the first vertex, click again at the next corner to add a second vertex, and so on
- e. To complete the shape double-click the last vertex

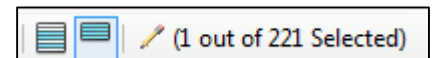
- Edit a building: Locate a building that has changed slightly over time in terms of shape/location
 - a. Select the black select arrow to select the building – this will highlight the building blue
 - b. Click the  button to open the edit vertices toolbar



- c. The new toolbar gives you options to select current vertices and move them, or to remove vertices, or to add new ones
- d. When you finish editing the feature you can click off the shape to deselect
- e. Save changes

- Edit attributes in the table: Locate the new building that was added to the map

- a. Use the black select arrow to select the building
- b. Now open the attribute table for the layer
- c. The feature should be highlighted in the table, click the  blue box to show only the selected features in the table
- d. Click the cell under building name for the highlighted feature
- e. If you know the name of this building type it in here, if not type something like "historic building" or "unknown" – you could also try to find the name of the building on google



- 6. Stop editing and save changes:
 - a. Use the "Editor" dropdown to select **Stop Editing**
 - b. It will ask if you'd like to save edits, just say **Yes**

The changes are retained in the layer. Now turn on the campus_buildings_2014 layer drive to compare today's buildings to the changes made to the 1935 layer