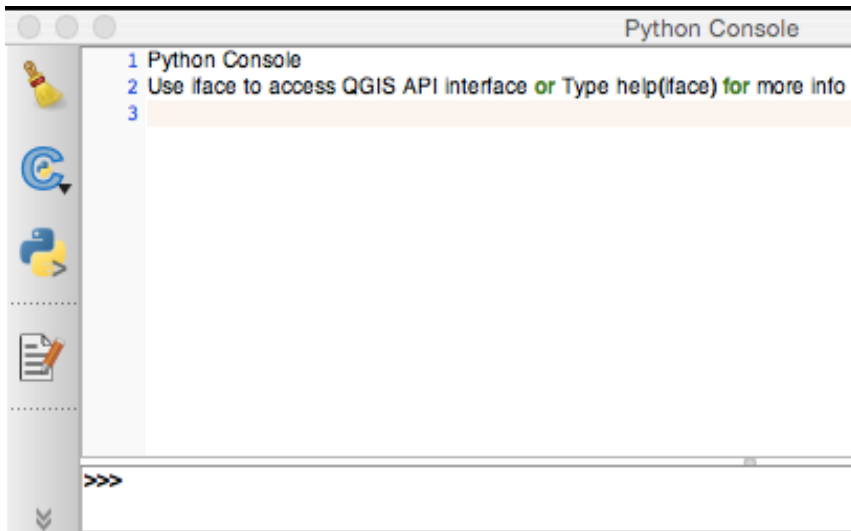
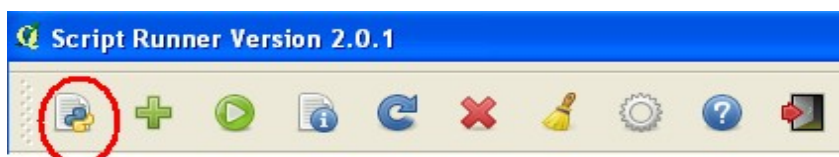
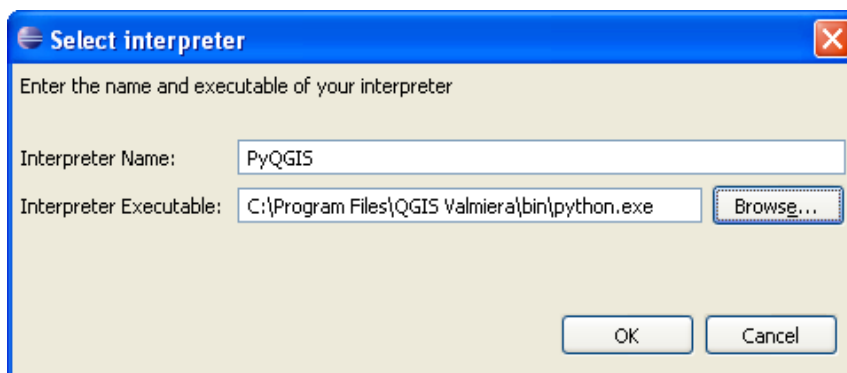
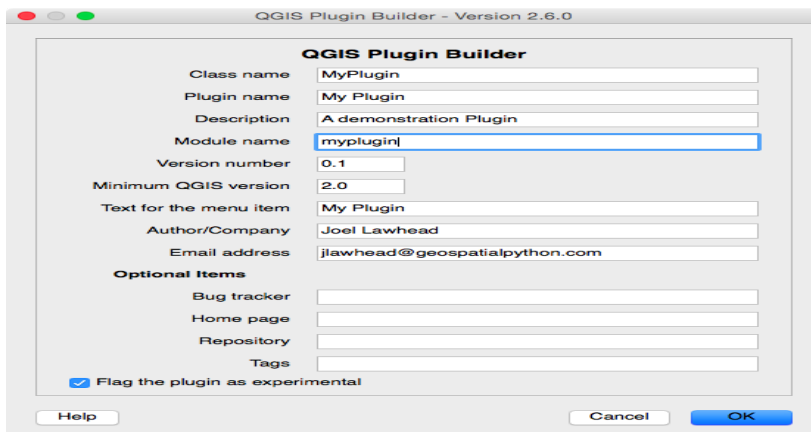
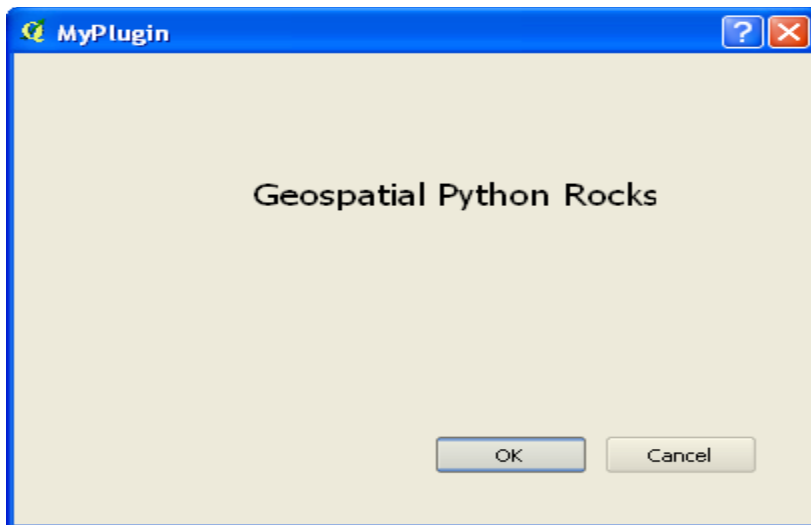
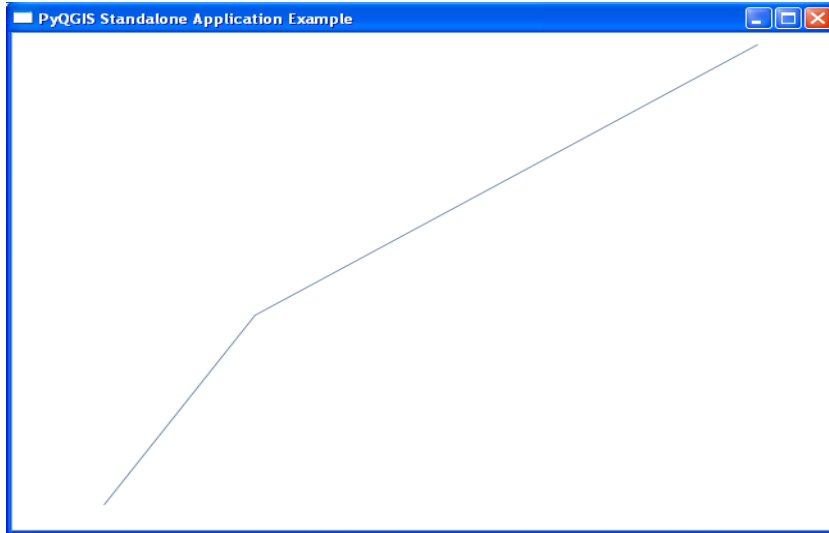


Chapter 1:



Automating QGIS

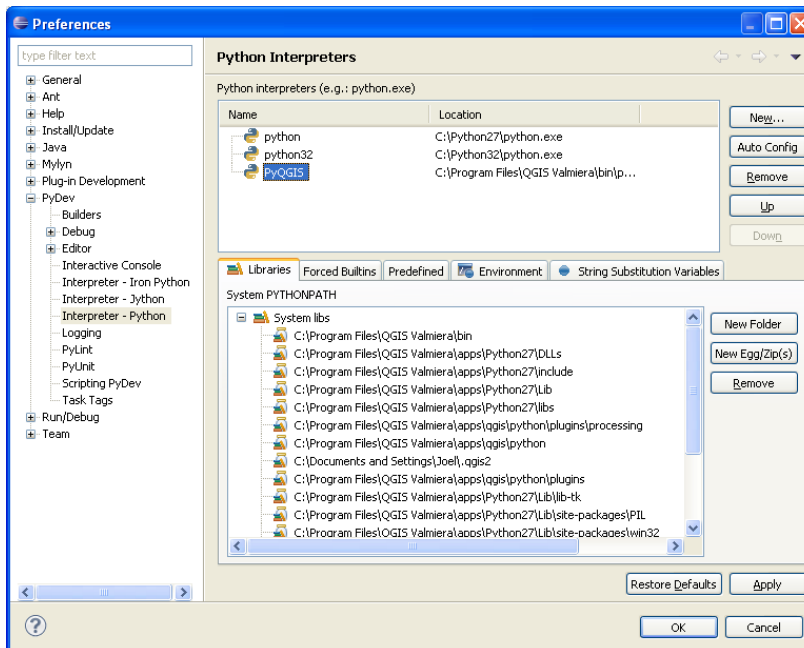
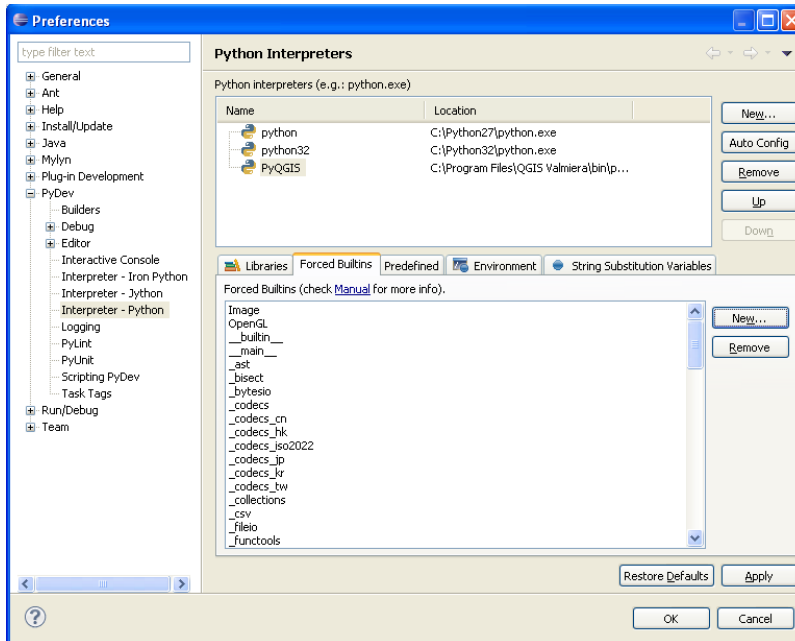
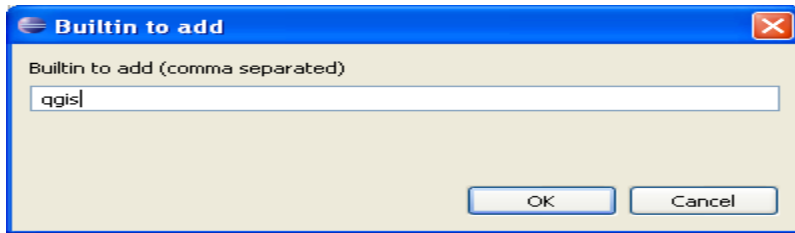


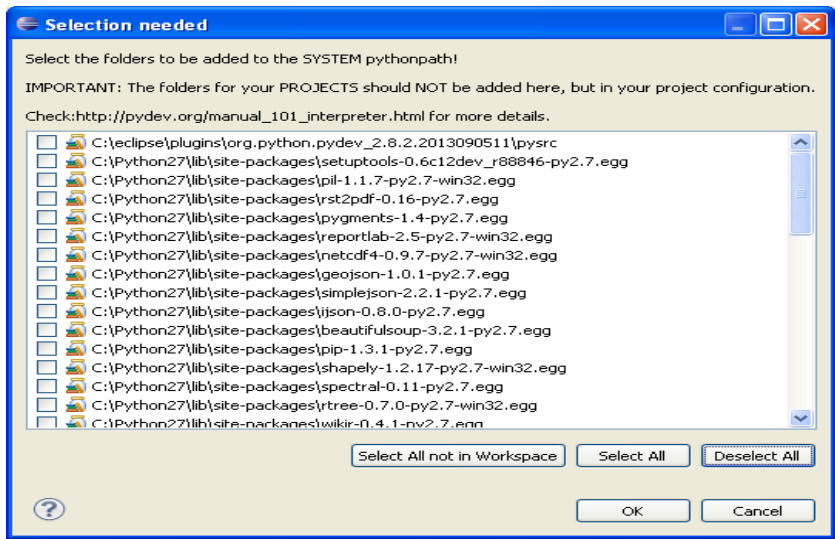
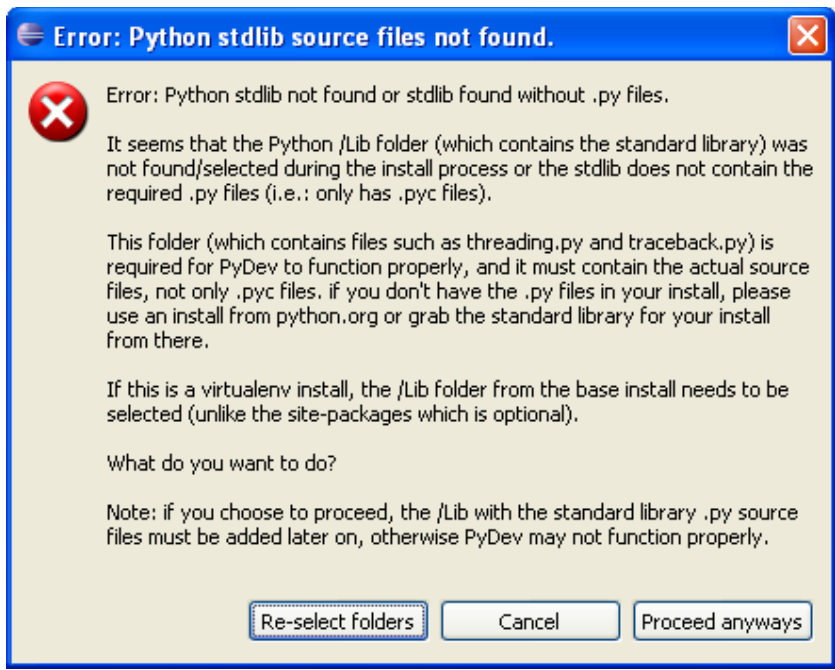


```
30
31 # run
32 def hello_world(self):
33     QMessageBox.information(self.iface.mainW
34     return
35
36
37
38
39 if __name__ == "__main__":
40     pass
41
```

The screenshot shows the 'Plugins | Installed (25)' window in QGIS. The 'HelloWorld' plugin is selected in the list on the left. The main panel displays the plugin's details, including a description, a 5-star rating (20 rating vote(s), 7388 downloads), and the author 'Alessandro Pasotti'. The installed version is 2.3, and the available version is also 2.3. The path to the plugin's settings is circled in red: `C:\Documents and Settings\Joel\qgis2\python\plugins\HelloWorld`. Buttons for 'Upgrade all', 'Uninstall plugin', and 'Reinstall plugin' are visible at the bottom.

The screenshot shows the 'Plugins | Settings' window in QGIS. The 'Settings' tab is selected. The window displays options for showing experimental and deprecated plugins, along with a list of plugin repositories. The 'QGIS Official Plugin Repository' is listed with the URL `http://plugins.qgis.org/plugins/plugins.xml?pgis=2`. Buttons for 'Reload all repositories', 'Add...', 'Edit...', and 'Delete' are visible at the bottom.





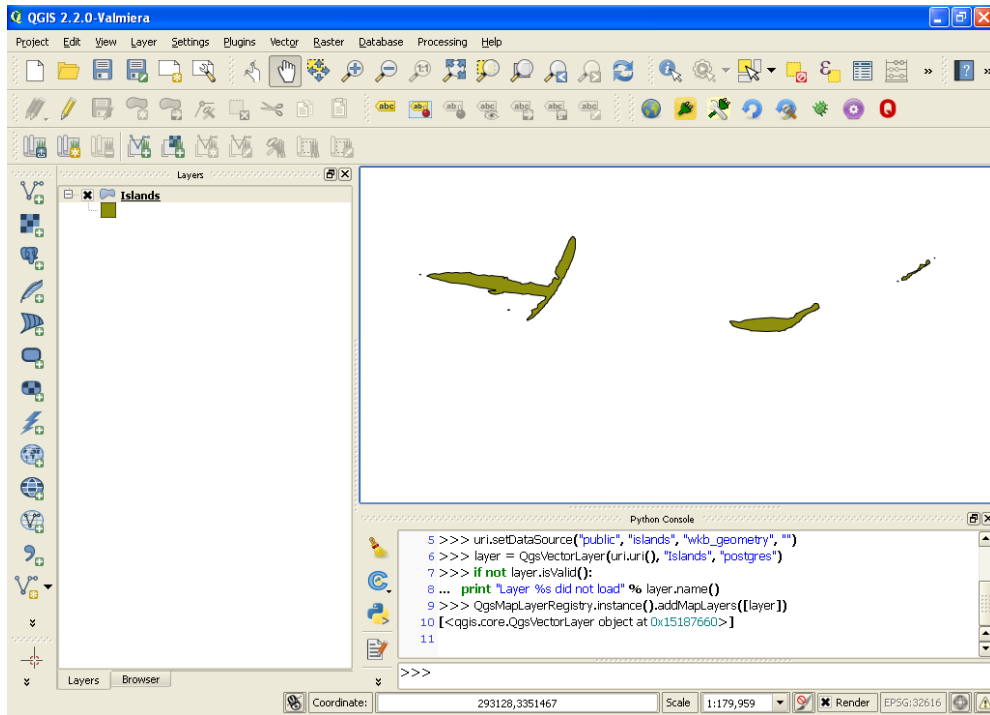
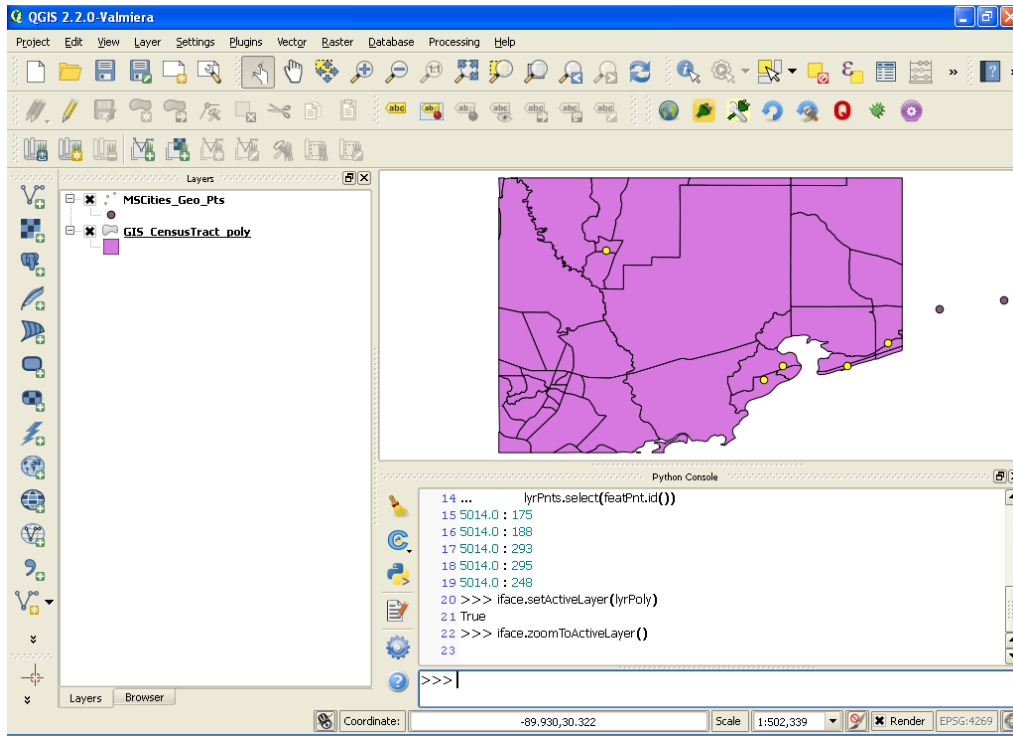


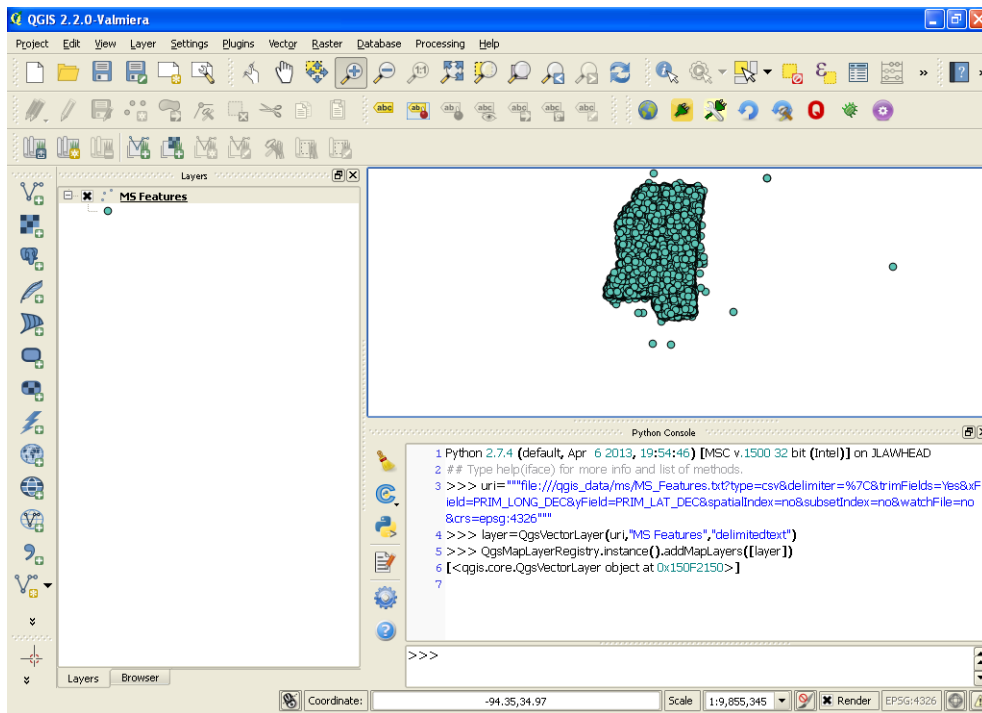
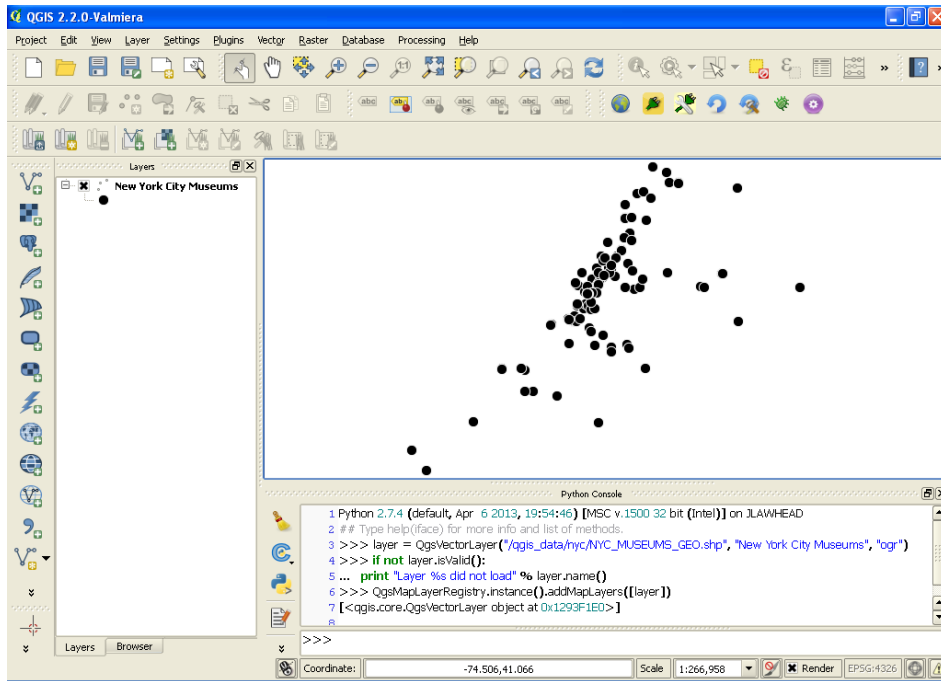
Chapter 2 : Querying Vector Data

The screenshot displays the QGIS 2.2.0-Valmiera interface. The main map area shows a light blue circular buffer overlaid on a cluster of green dots representing museums. The Layers panel on the left shows the 'Buffer' layer selected. The Python Console at the bottom contains the following code:

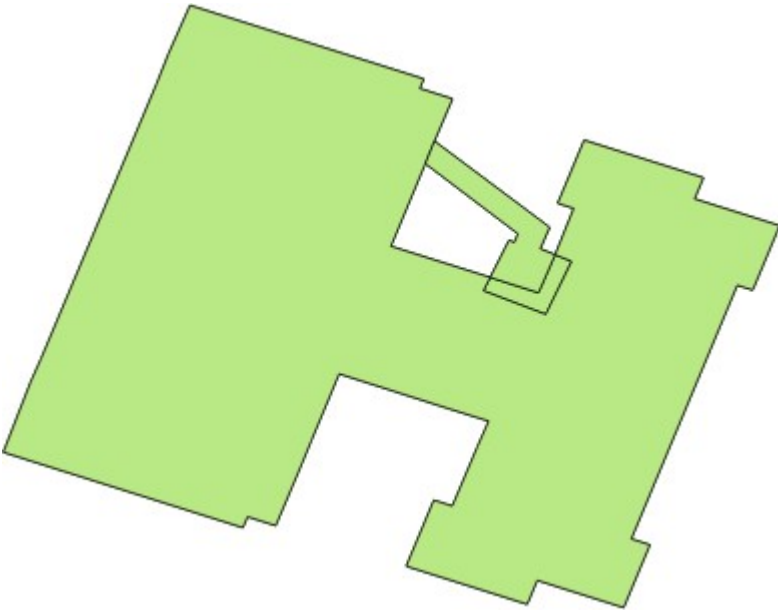
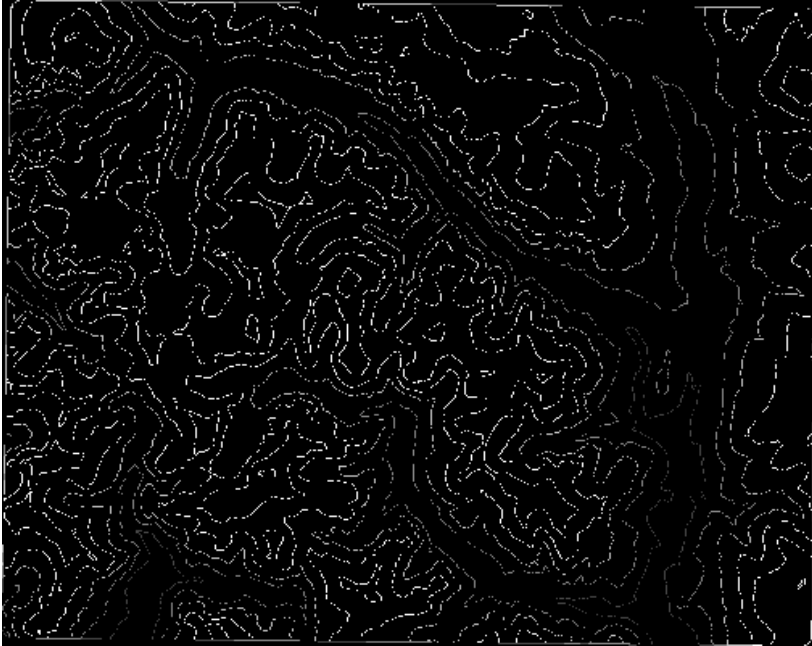
```
10 >>> bufflyr = QgsVectorLayer("Polygon?crs=epsg:4326", "Buffer", "memory")
11 >>> pr = bufflyr.dataProvider()
12 >>> pt = QgsFeature()
13 >>> pt.setGeometry(buff)
14 >>> pr.addFeatures([pt])
15 (True, [<QgsFeature object at 0x134640C0>])
16 >>> bufflyr.updateExtents()
17 >>> bufflyr.setLayerTransparency(70)
18 >>> QgsMapLayerRegistry.instance().addMapLayers([bufflyr])
19 [<QgsVectorLayer object at 0x13464030>]
20
```

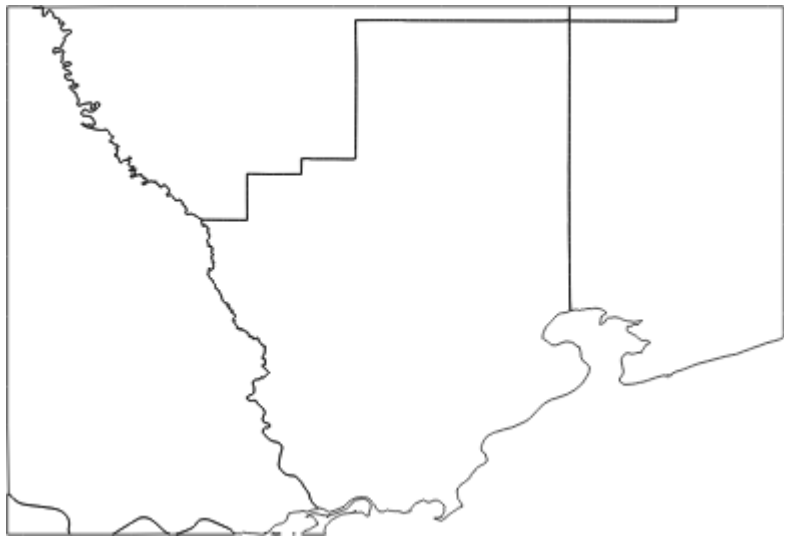
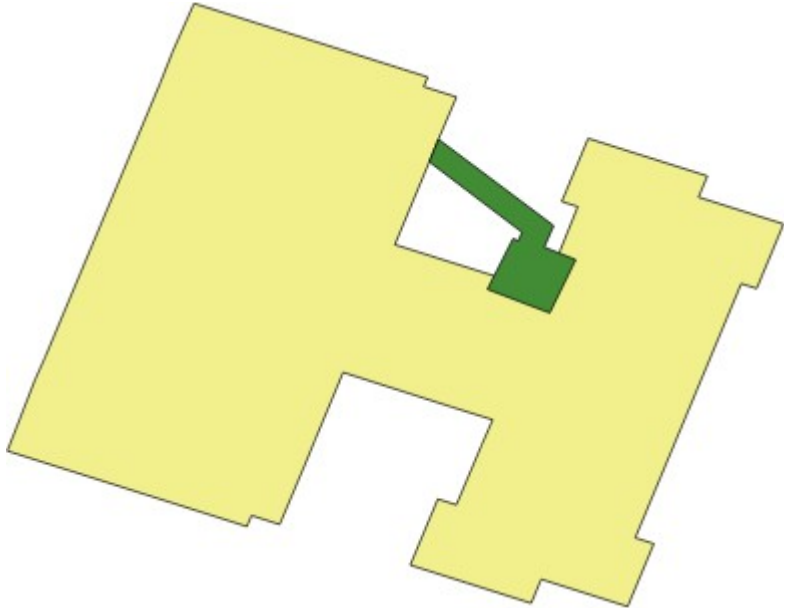
The status bar at the bottom indicates "1 Feature(s) selected on layer Museums." and shows the coordinate as -74.035,40.879, a scale of 1:359,407, and the EPSG:4326 projection.

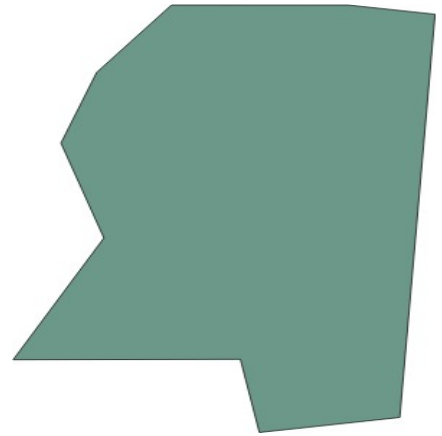
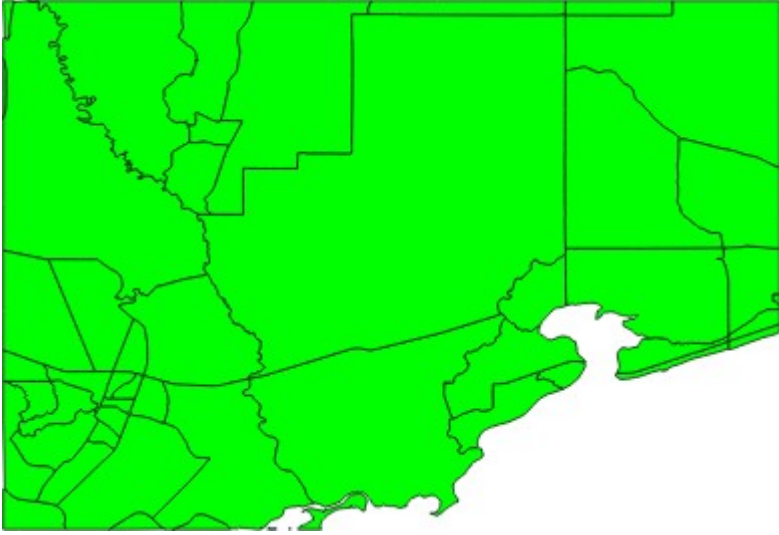




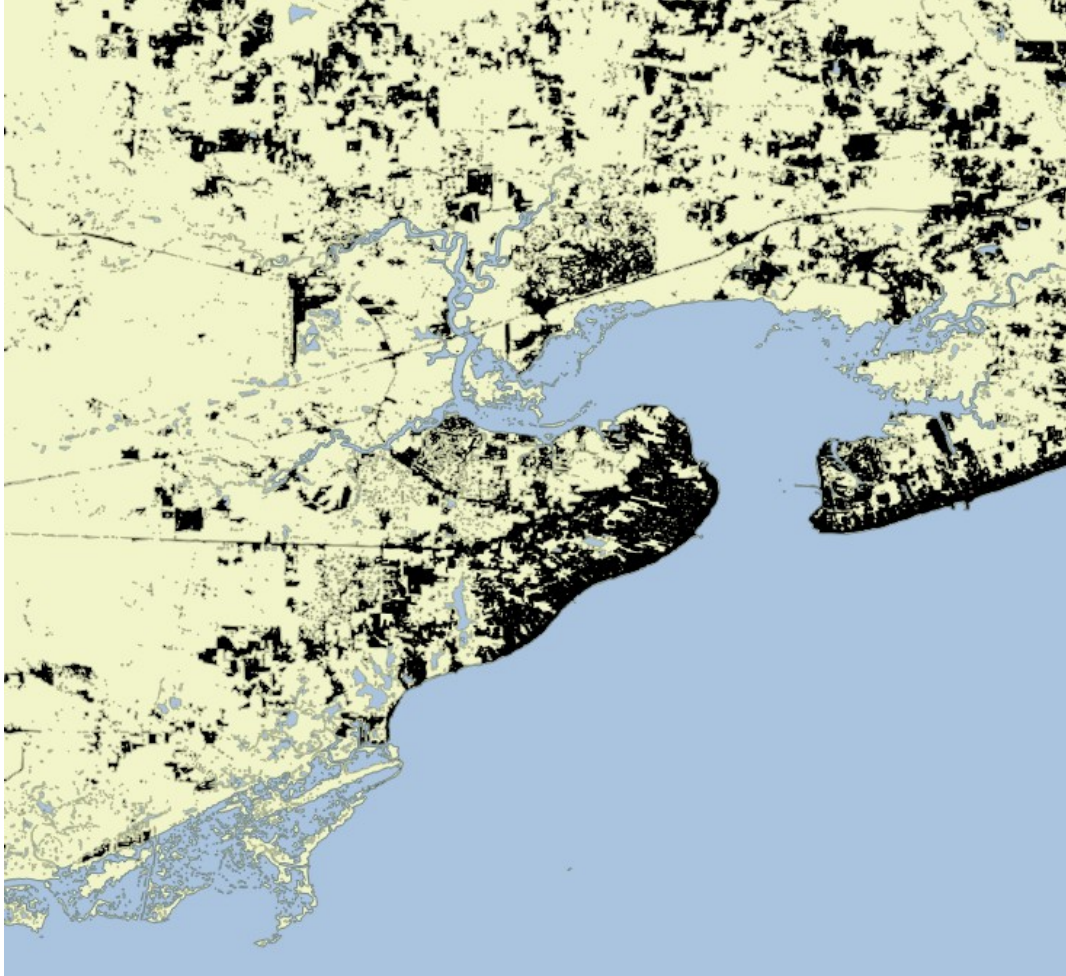
Chapter 3: Editing Vector Data

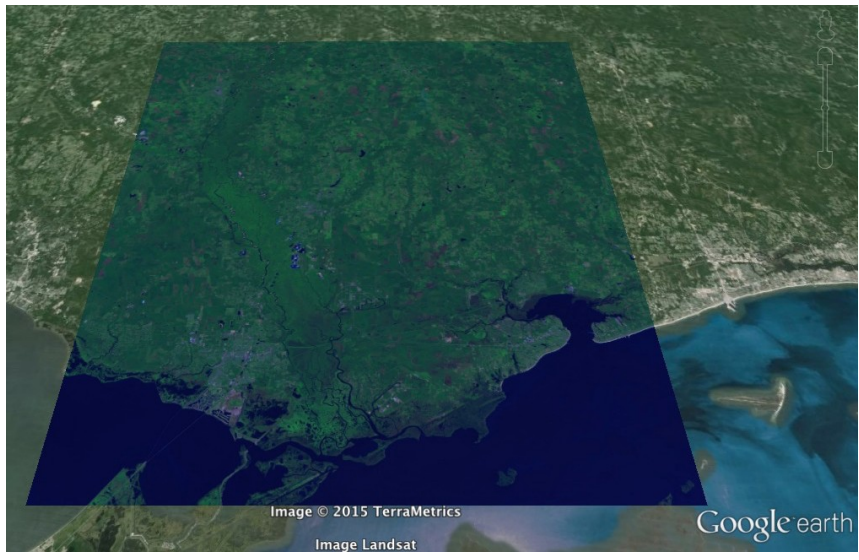
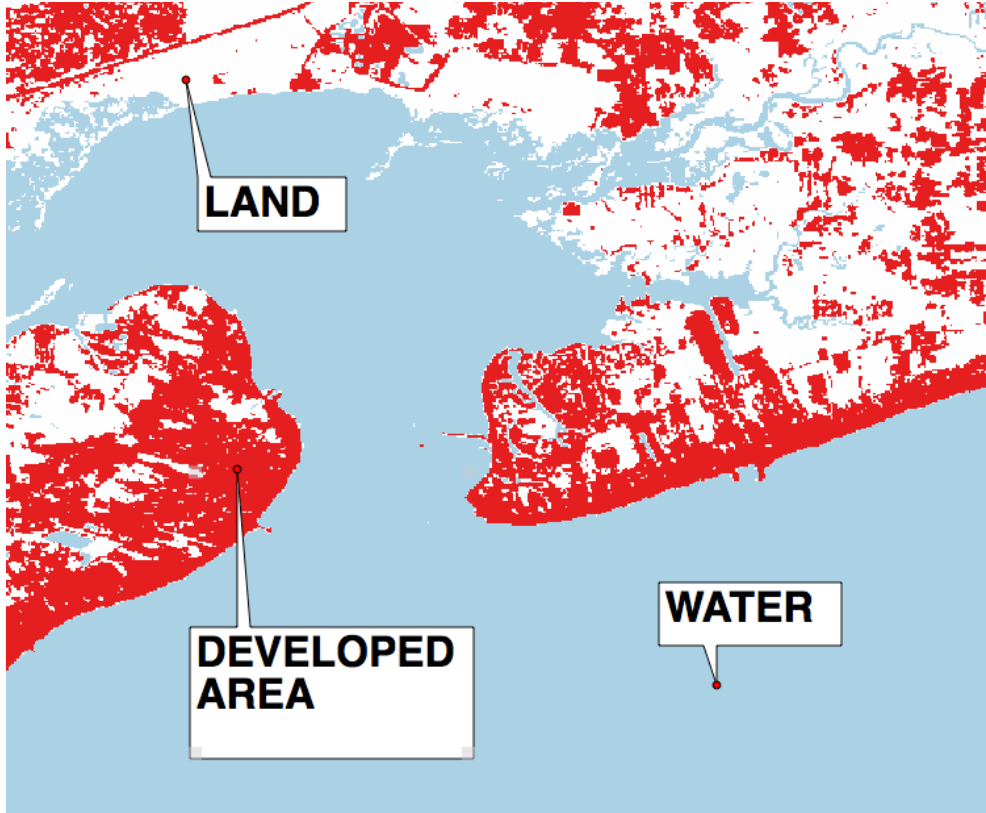


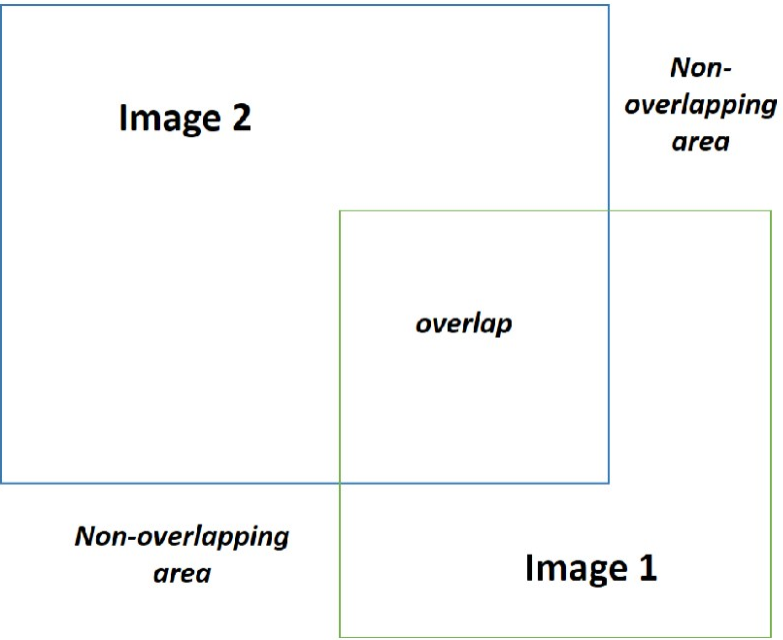
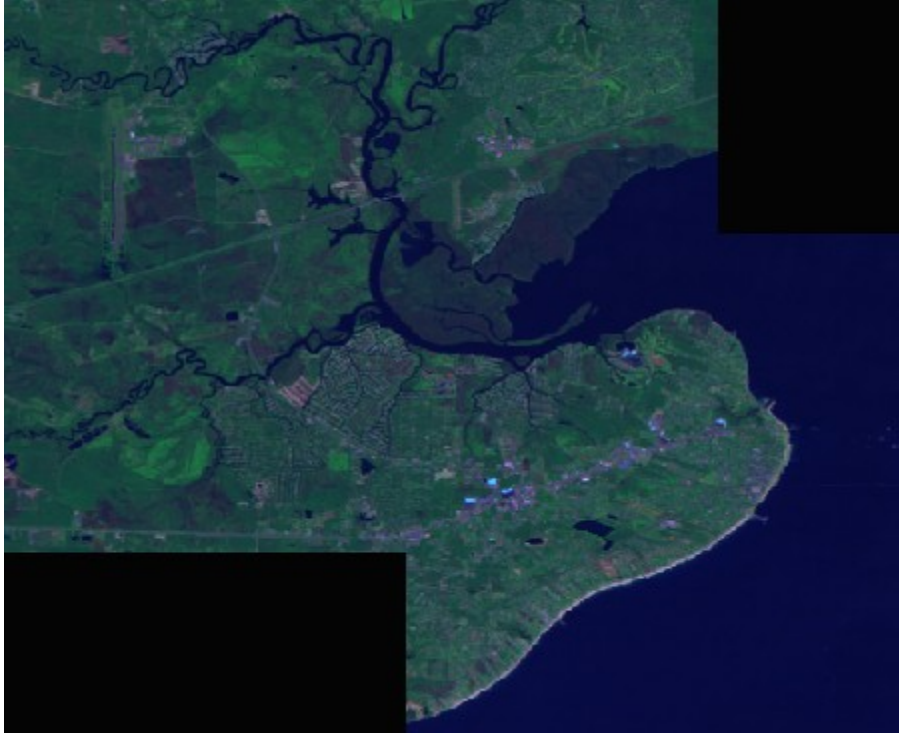


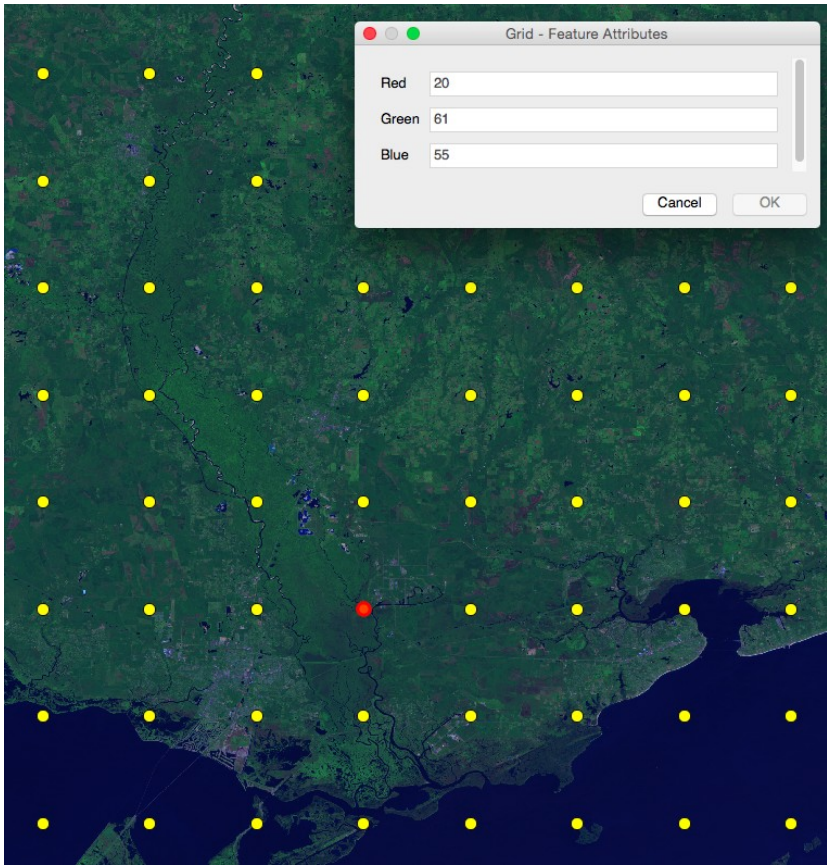
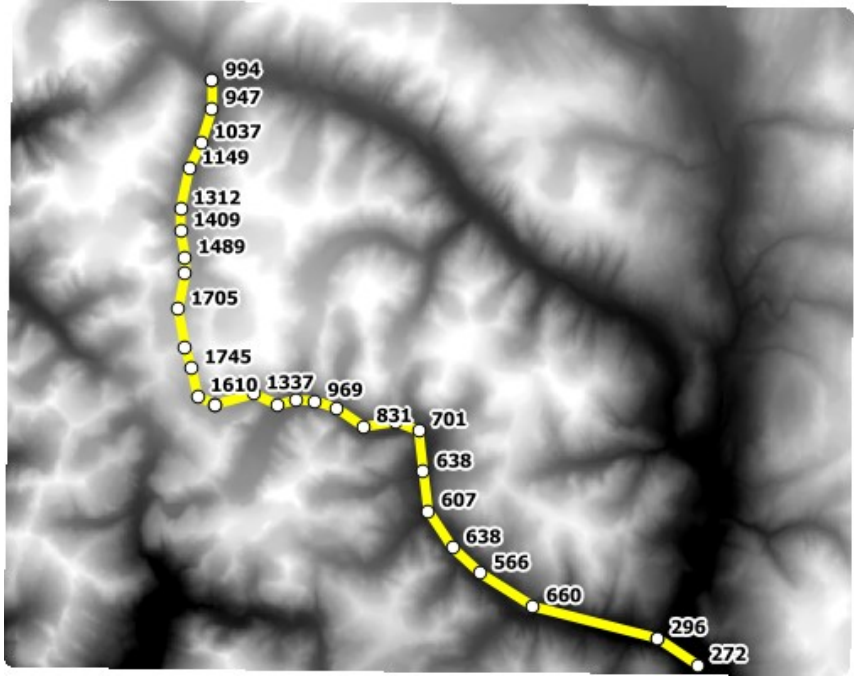


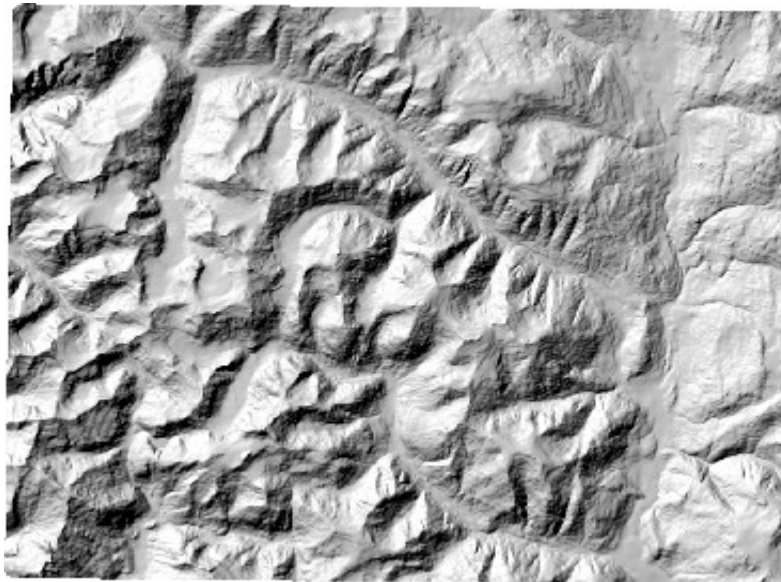
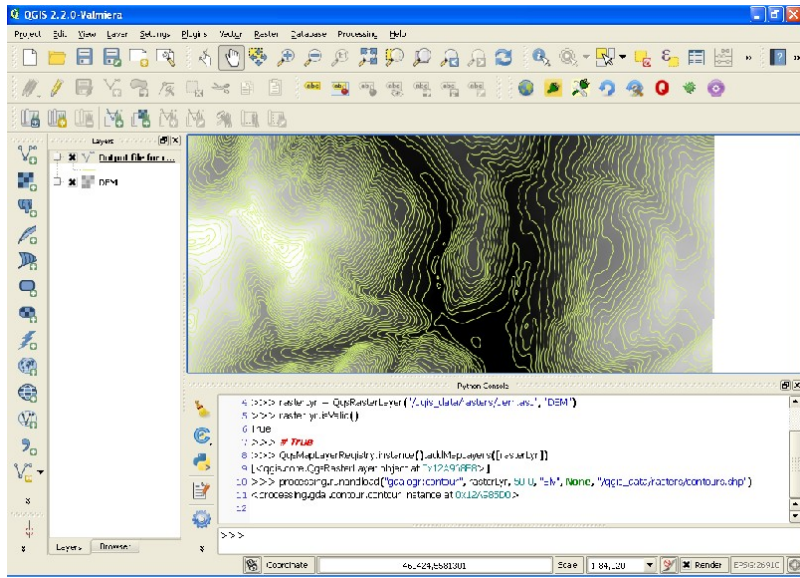
Chapter 4: Using Raster Data

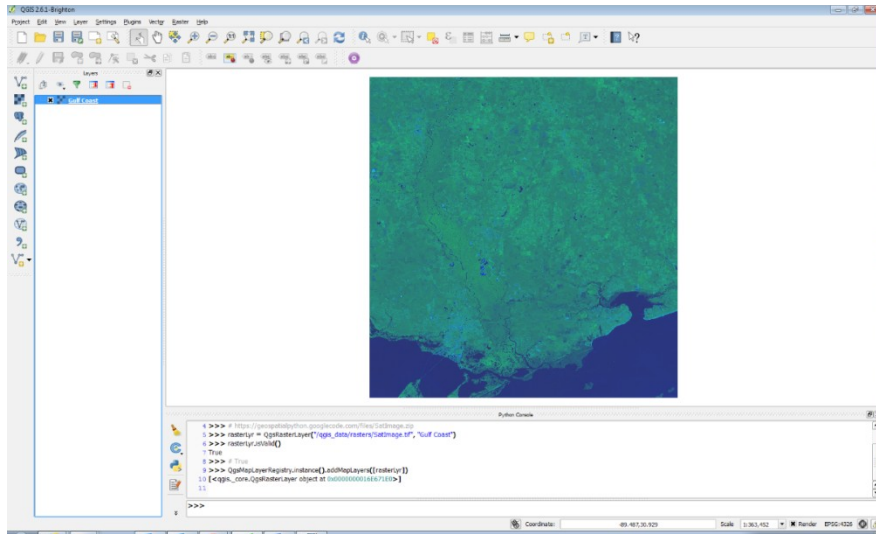




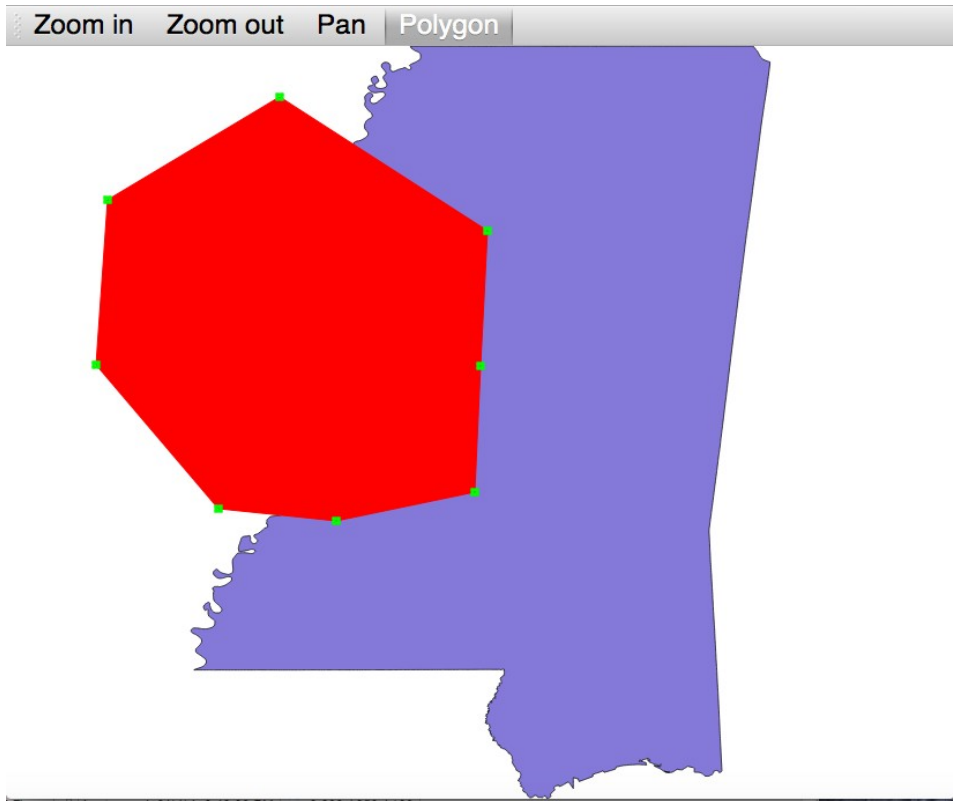
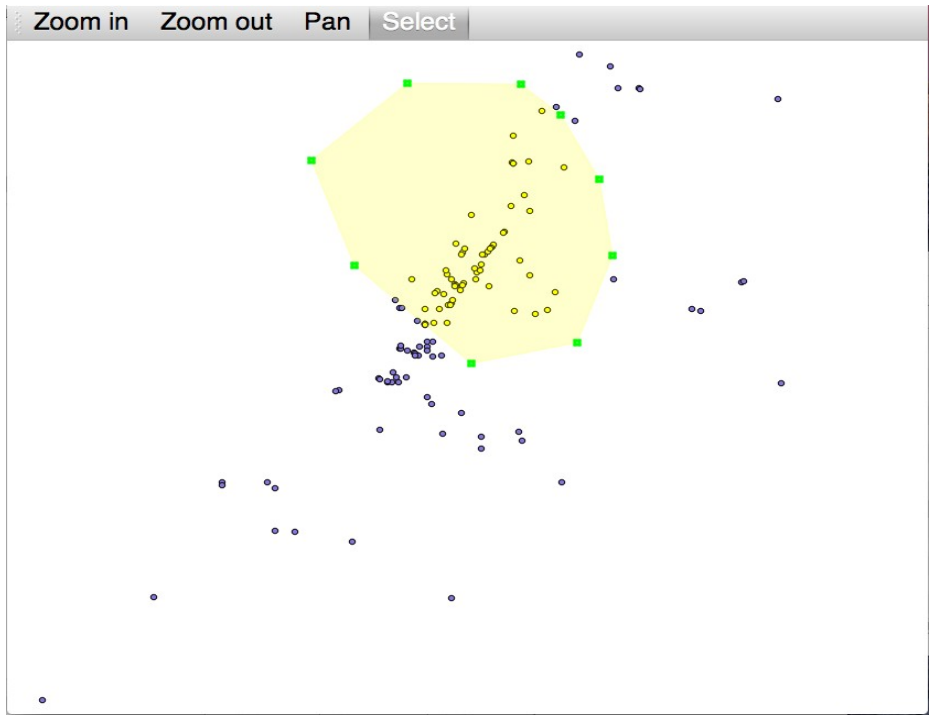


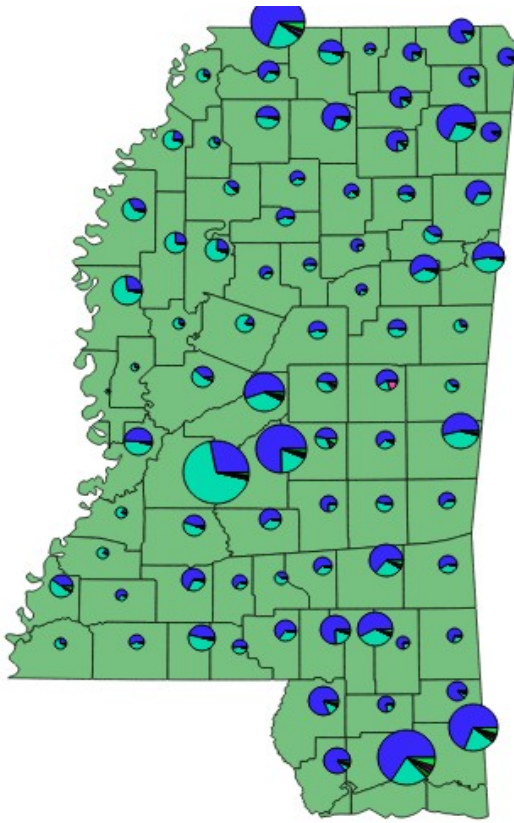
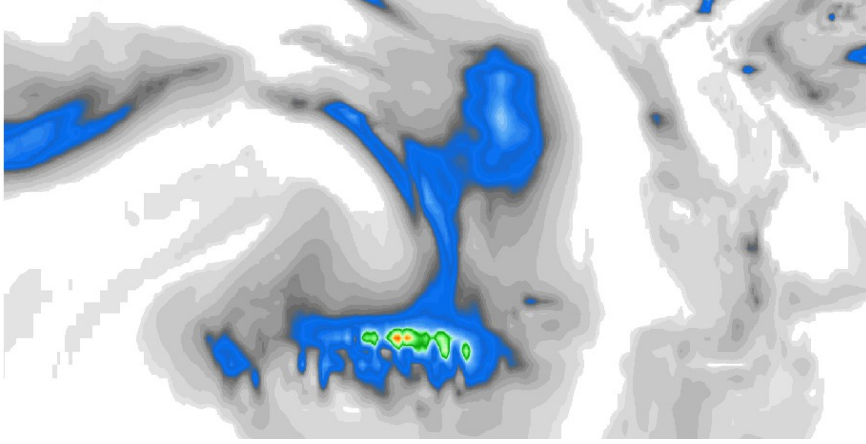


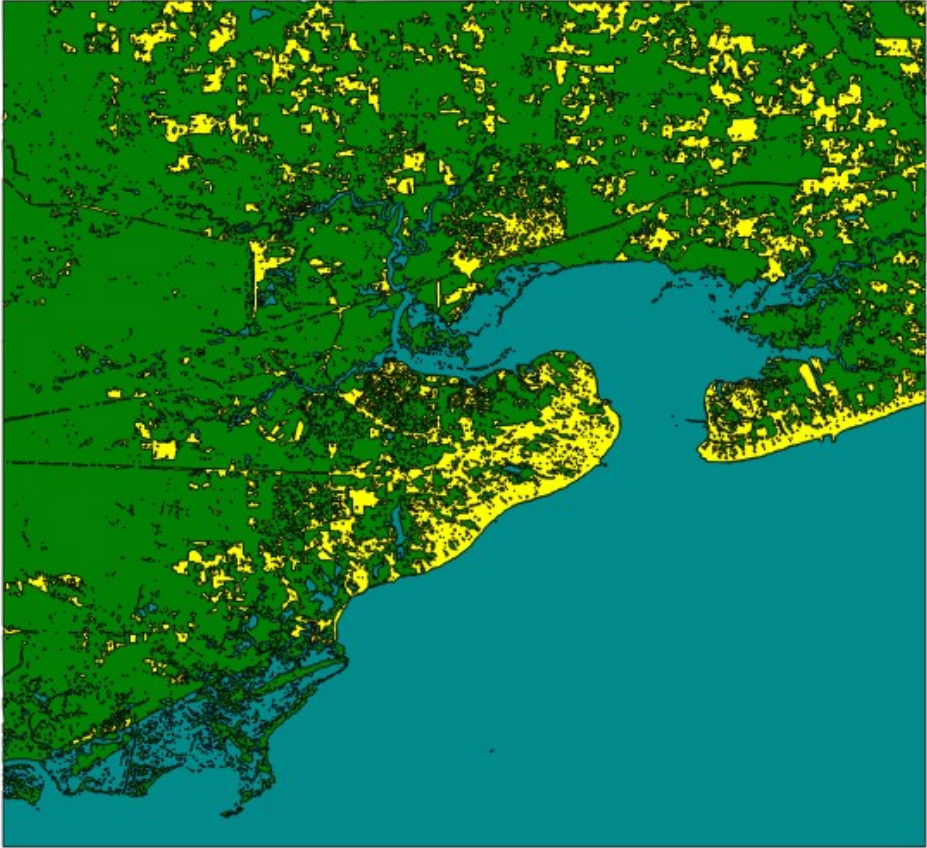
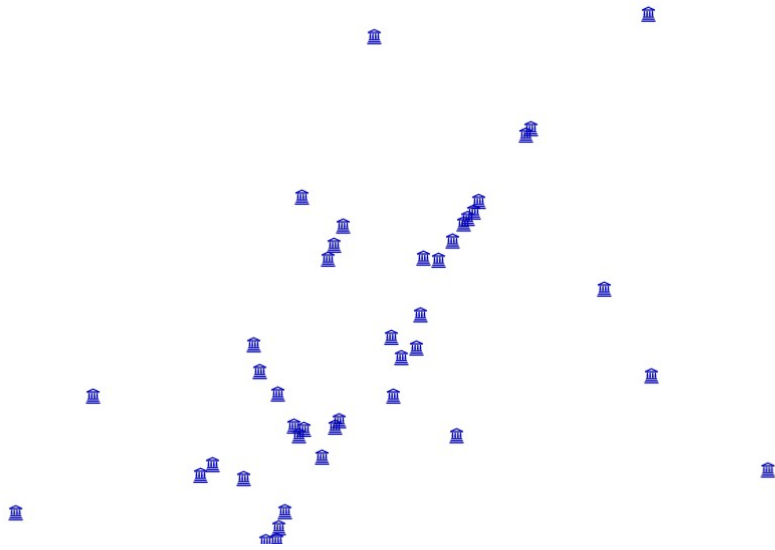


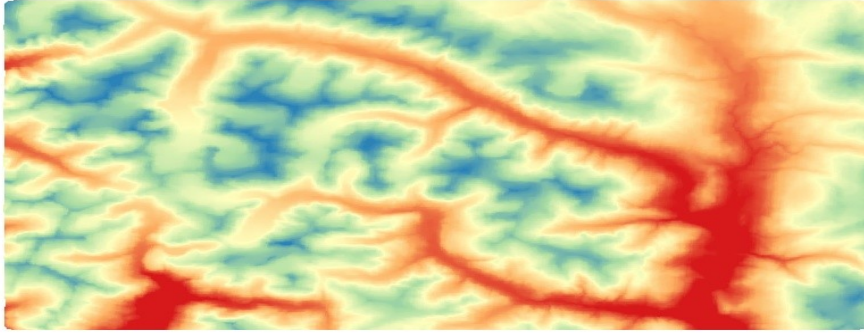


Chapter 5: Creating Dynamic Maps

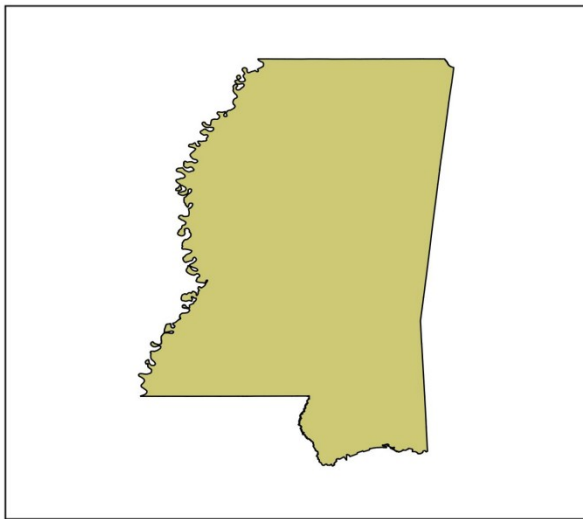
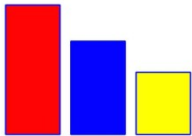
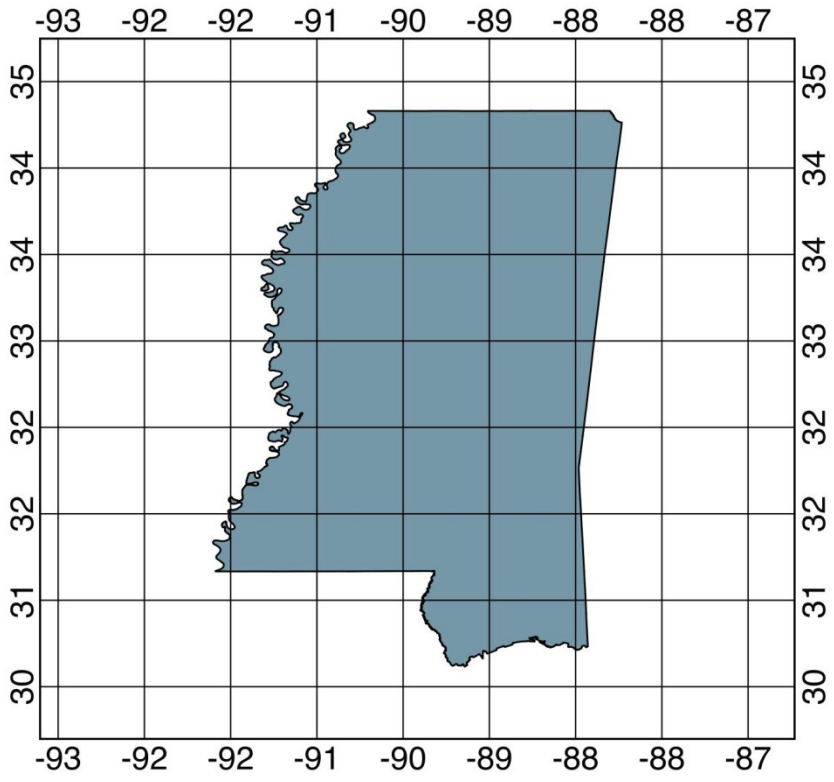


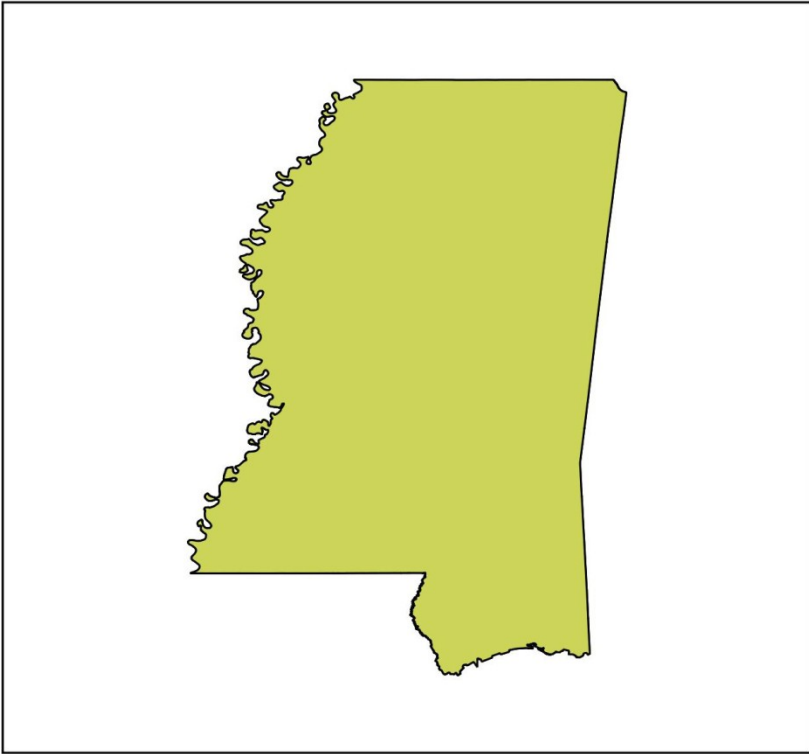




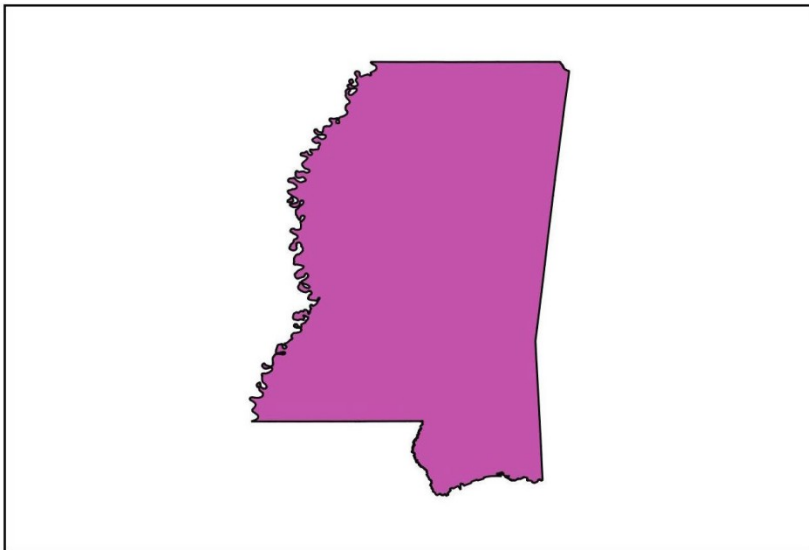


Chapter 6 : Composing Static Maps





50 0 50 100 150 200 km



Chapter 7: Interacting with the User

When's Your Birthday?

Please Select Your Birthday.

November, 2014

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
44	26	27	28	29	30	31	1
45	2	3	4	5	6	7	8
46	9	10	11	12	13	14	15
47	16	17	18	19	20	21	22
48	23	24	25	26	27	28	29
49	30	1	2	3	4	5	6

Next Cancel

qgis-bin

Option 1

Option 2

Option 3

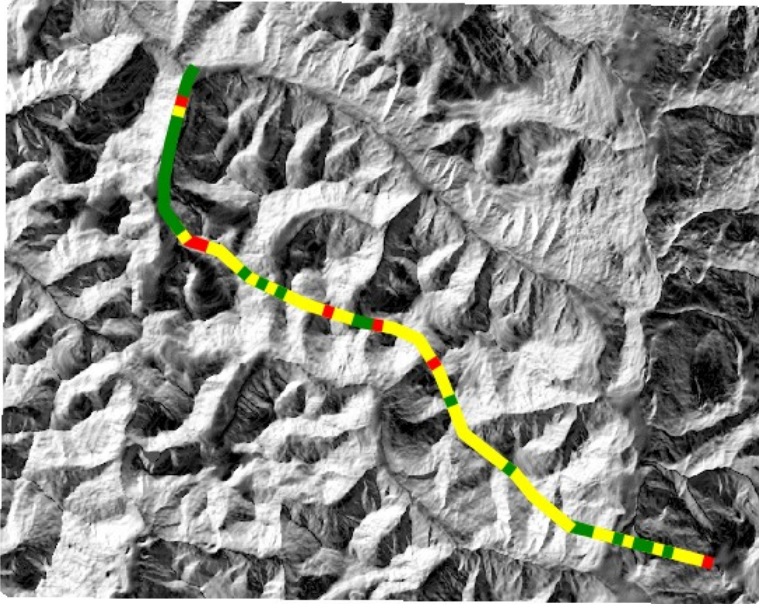
Option 1 selected

Option 2 selected

Working...

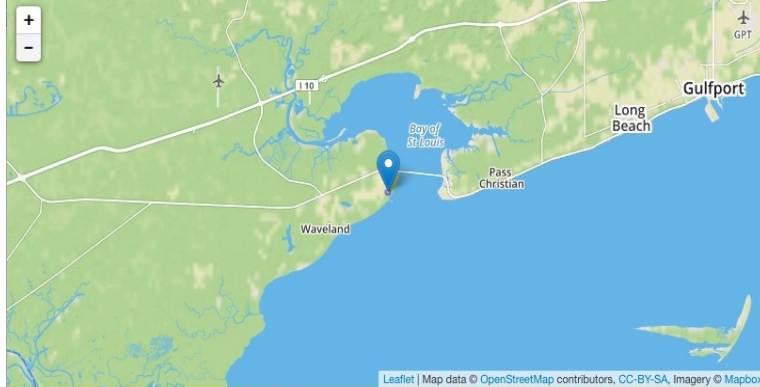
37%

Chapter 8: QGIS Workflows



Field Data Collection Example

QGIS Python Programming Cookbook



Fill out the form below and click "Send" to post your location and data to QGIS.

Name:

Enter your name

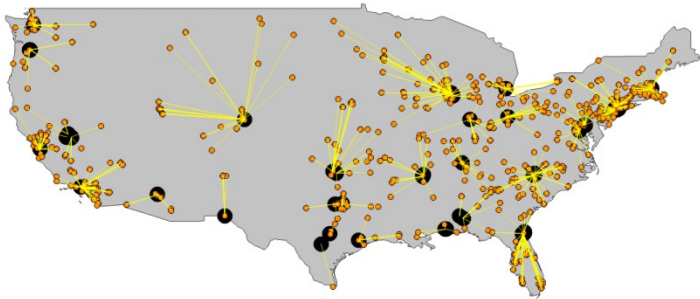
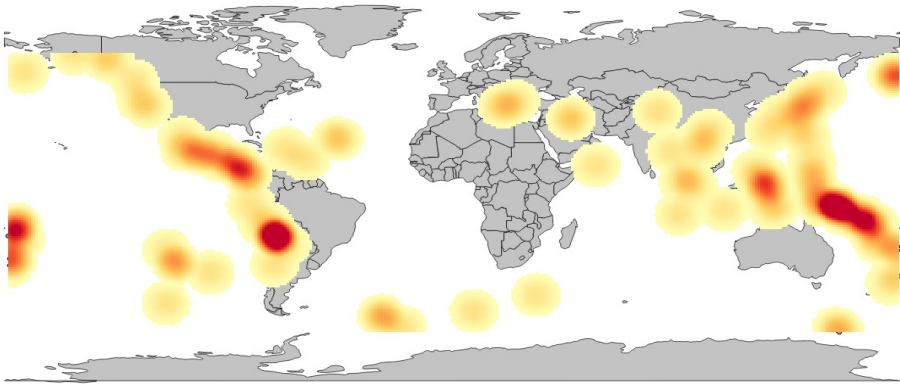
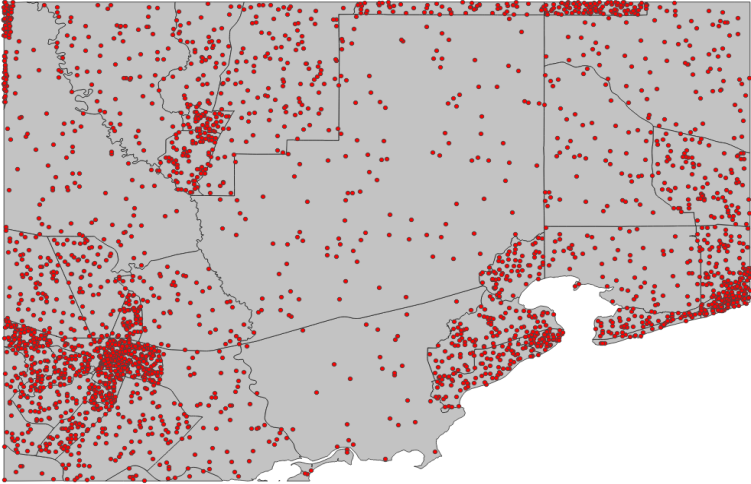
Date:

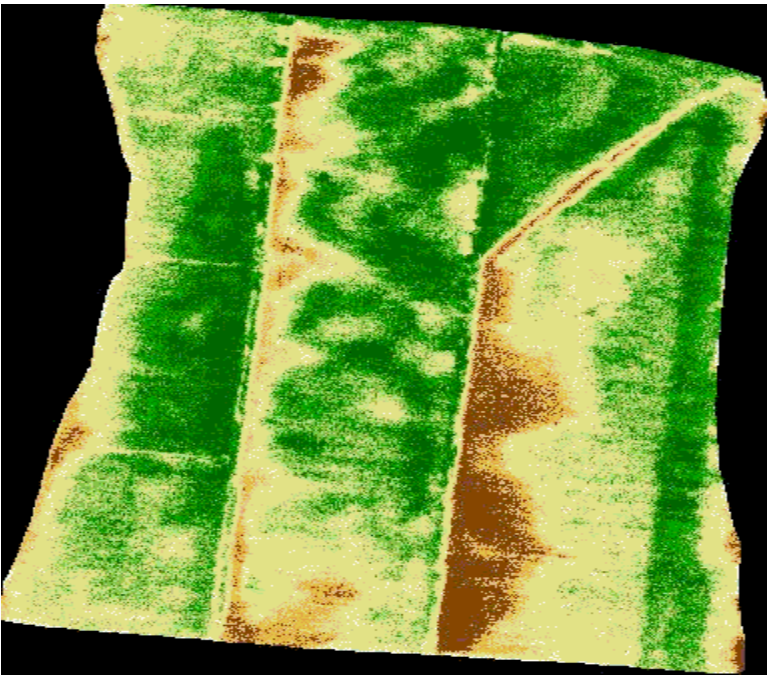
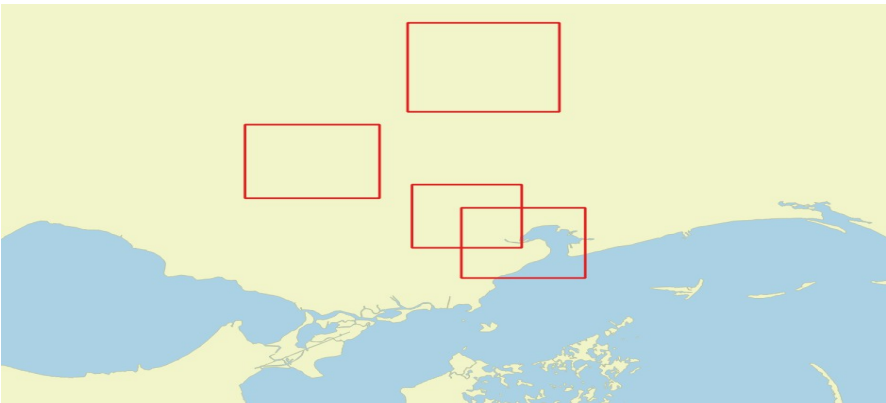
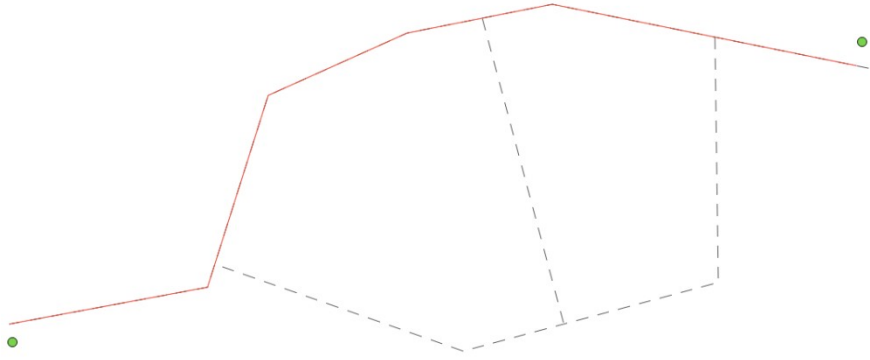
Today's date

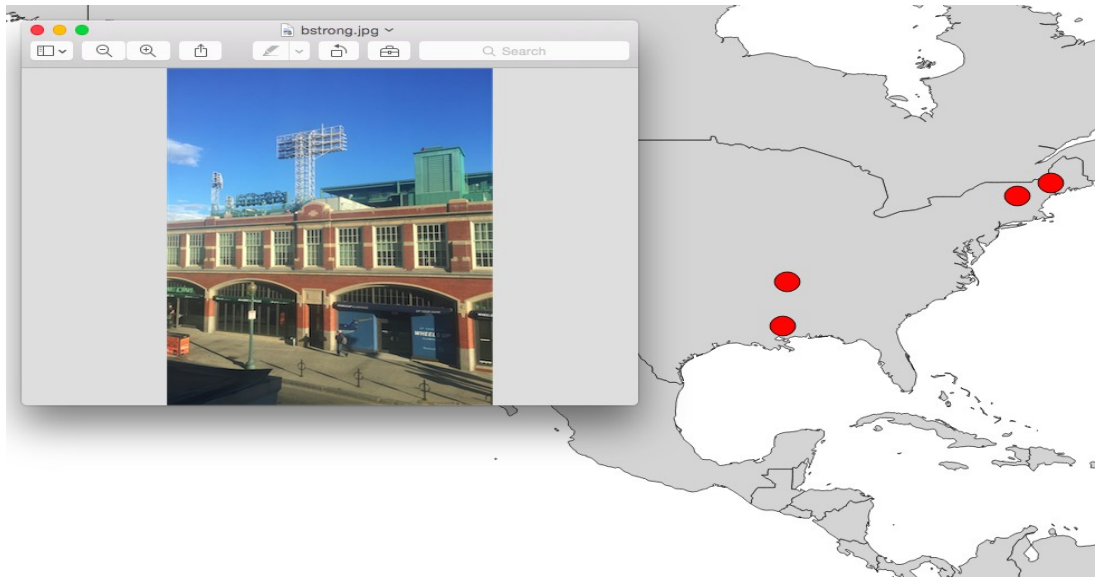
Comment:

Enter a brief comment

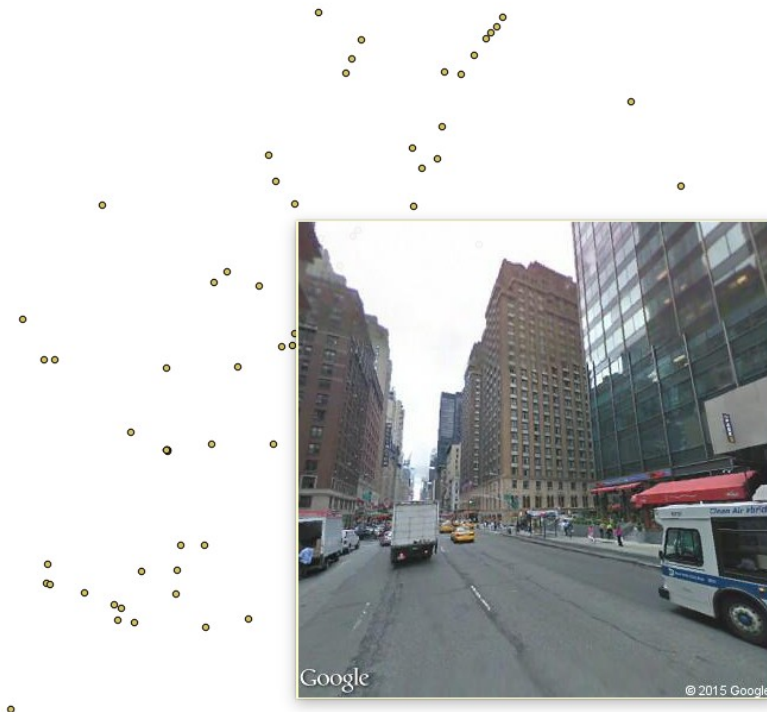
SEND

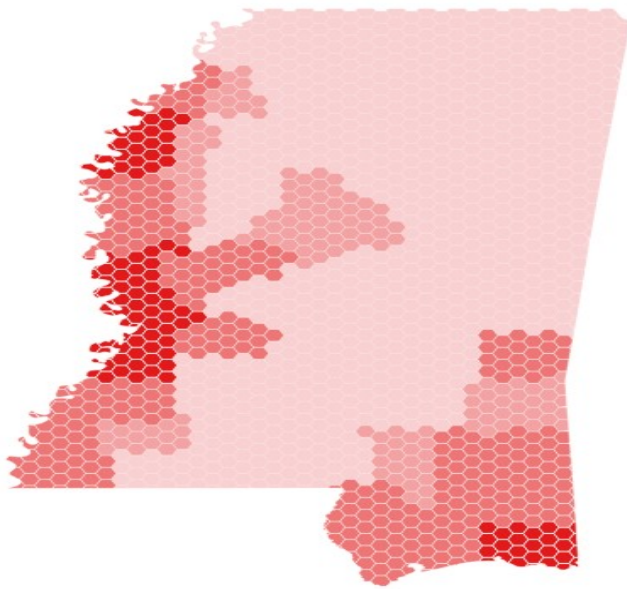
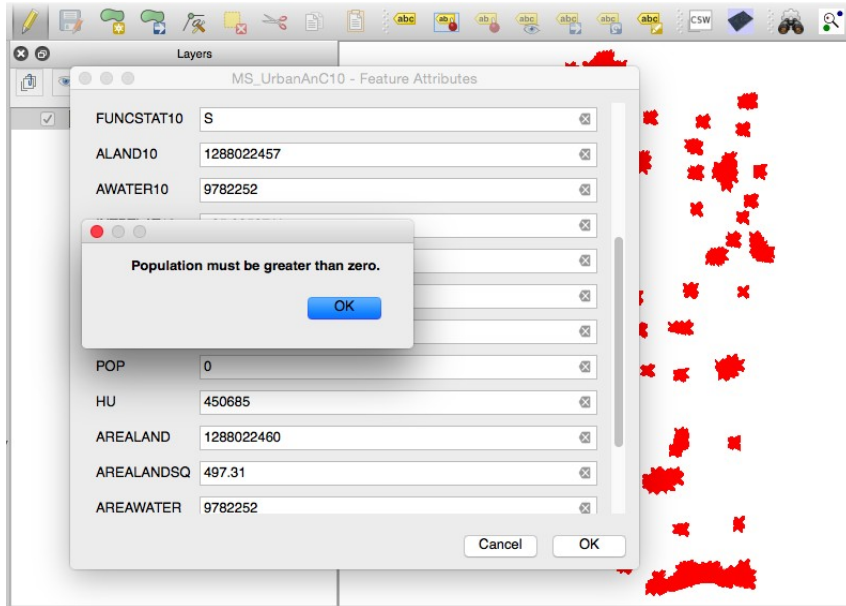


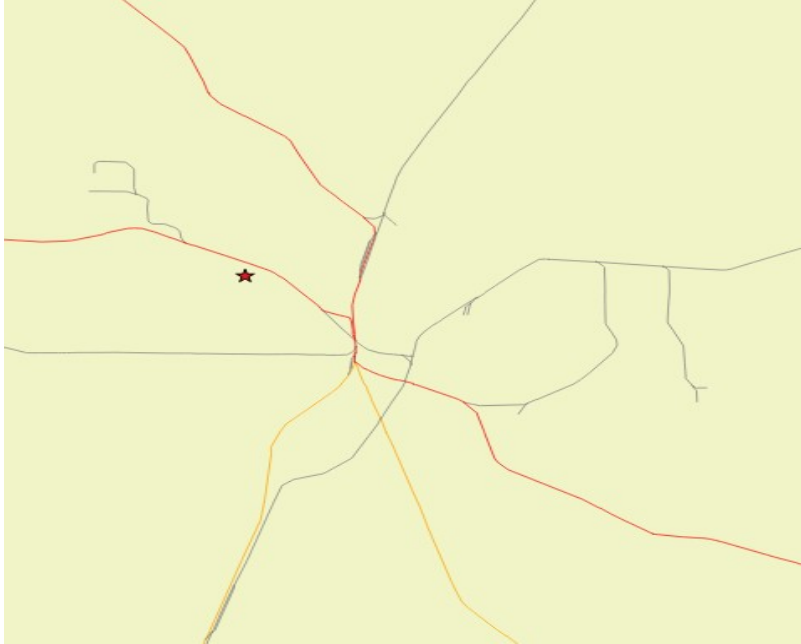




Chapter 9: Other Tips and Tricks







Open Save New Share Meta

anonymous/124d5cd50df121650335

ULMAN AVE

Mapbox Satellite OSM Feedback About, © Mapbox © OpenStreetMap Improve this map

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3   "crs": {
4     "type": "name",
5     "properties": {
6       "name": "urn:ogc:def:crs:OGC:1.3:CRS84"
7     }
8   },
9   "features": [
10    {
11     "type": "Feature",
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14       "COUNTY": "Hancock County",
15       "SOURCE_0": null,
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