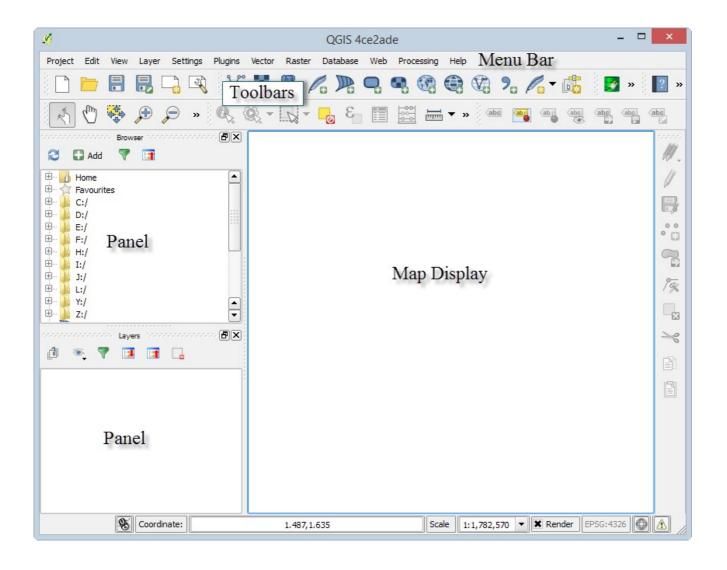
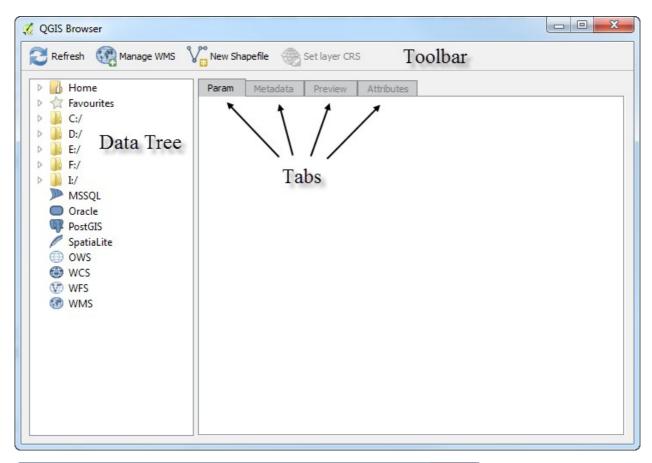
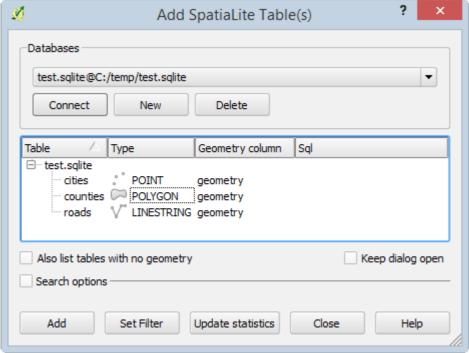
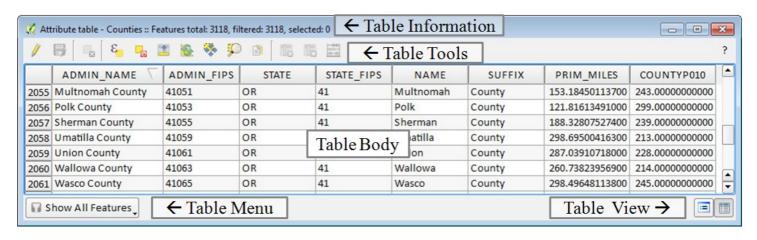
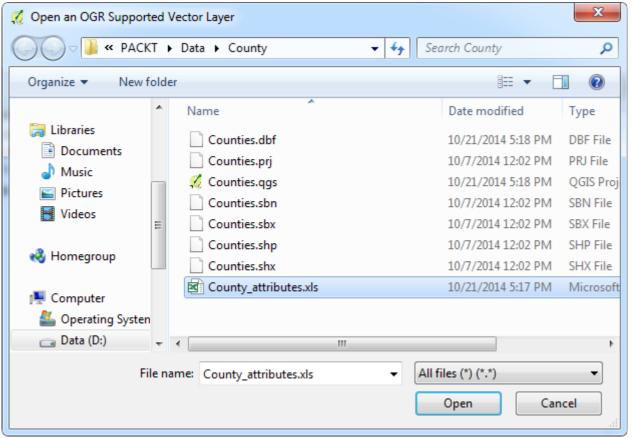
Chapter 1: A Refreshing Look at QGIS

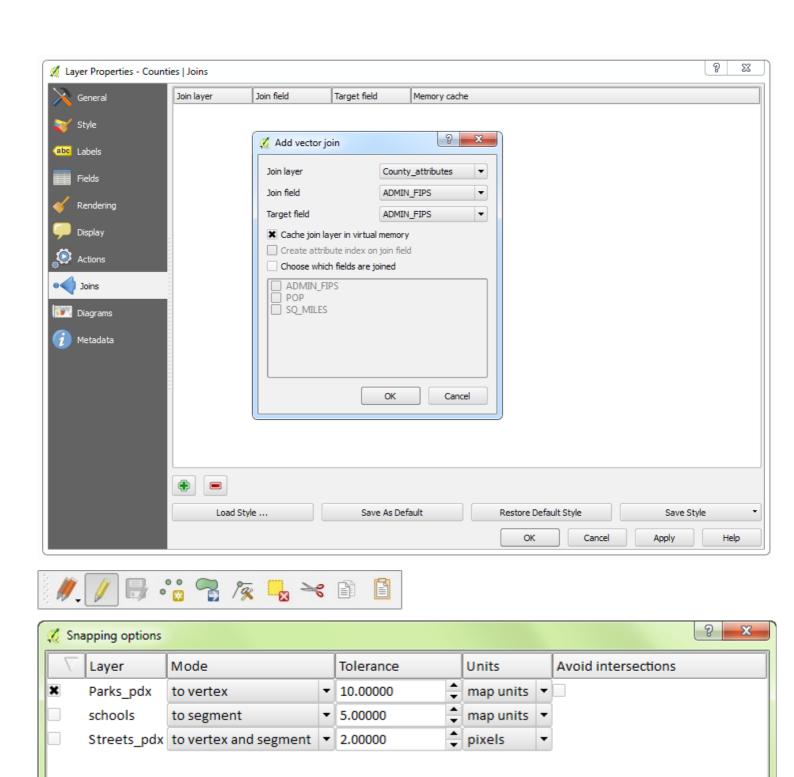










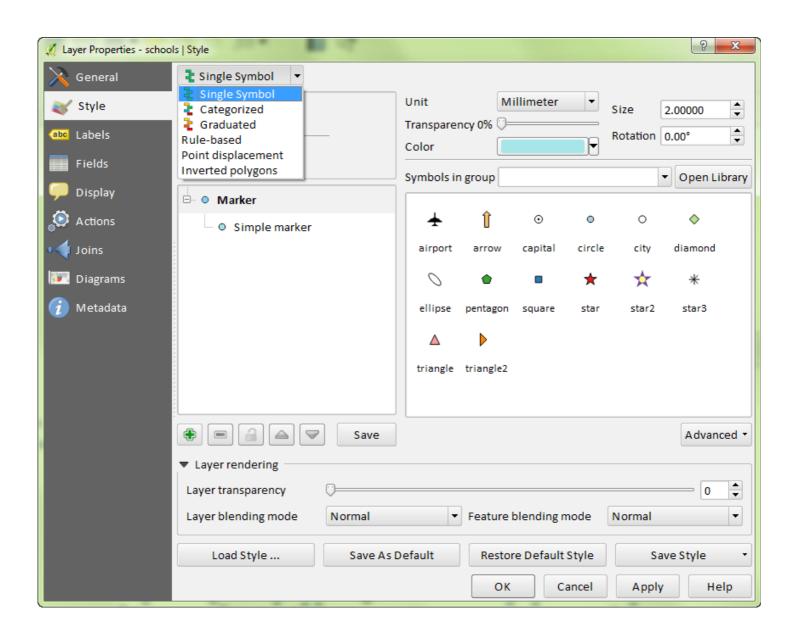


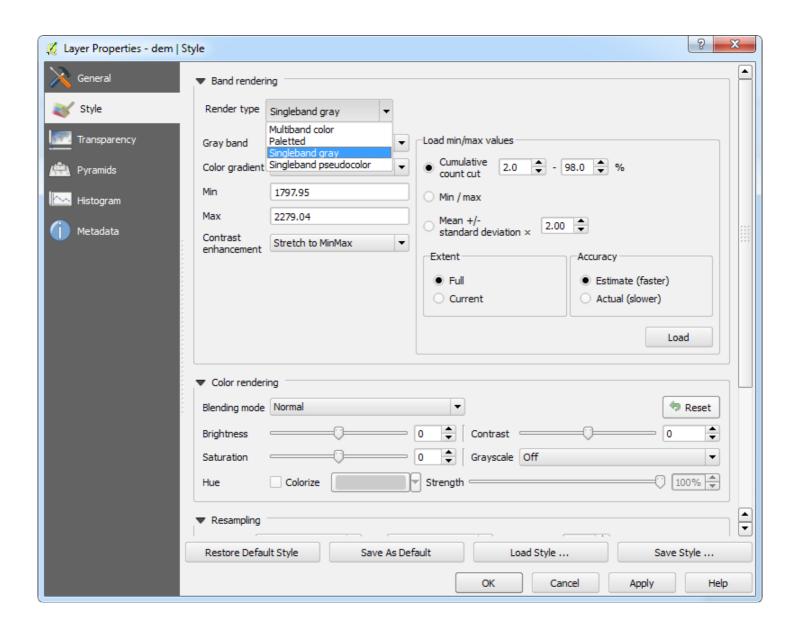
OK

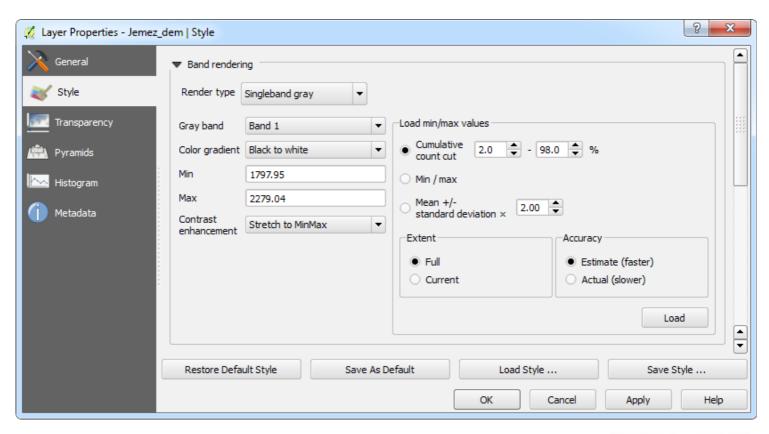
Cancel

Apply

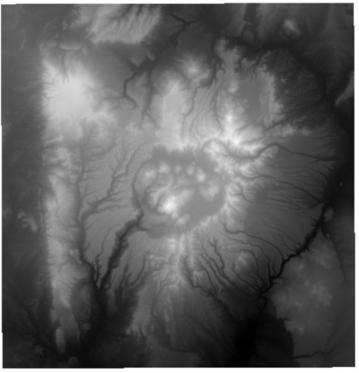
Enable topological editing Enable snapping on intersection

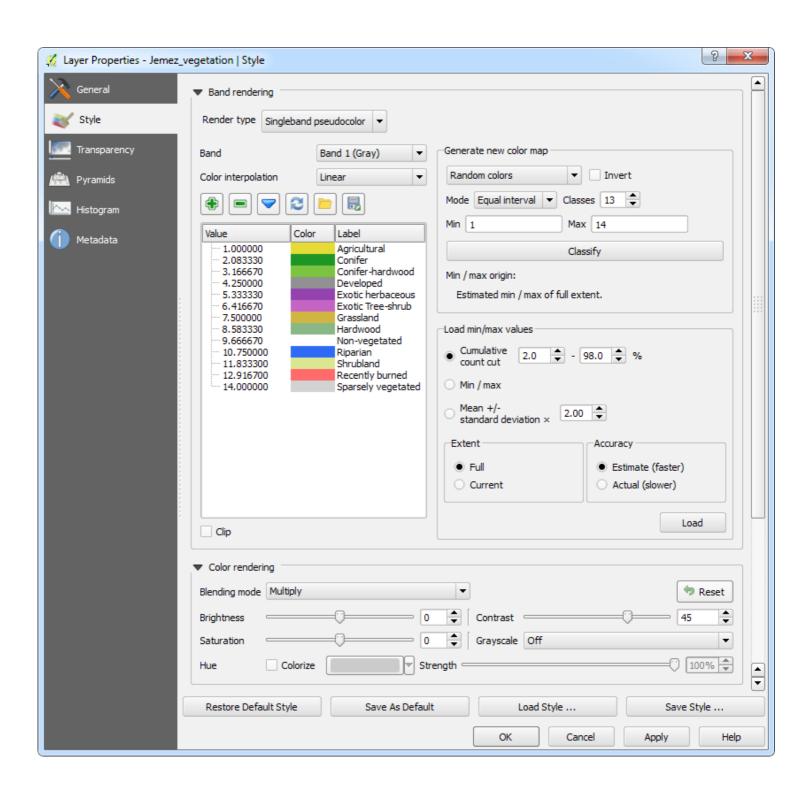


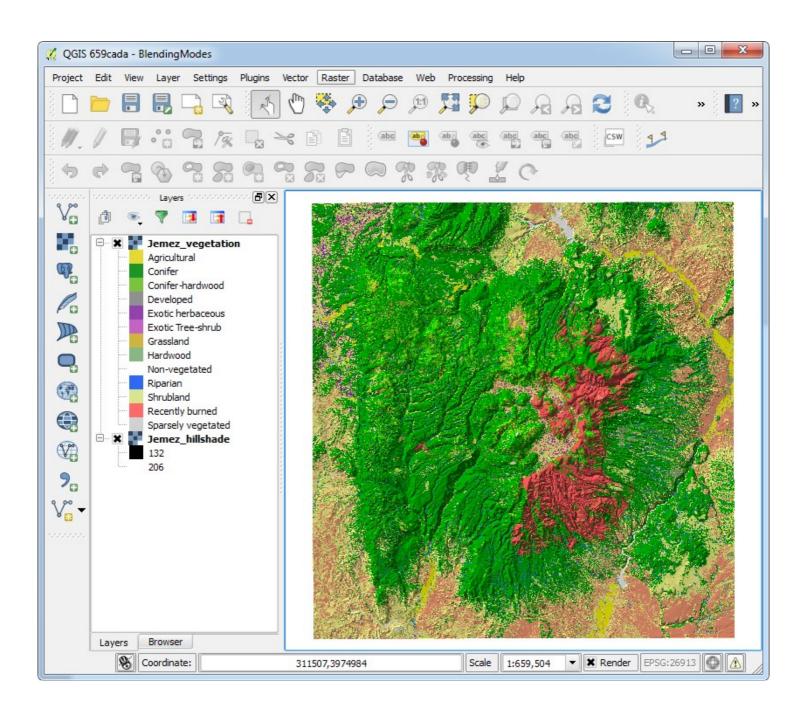


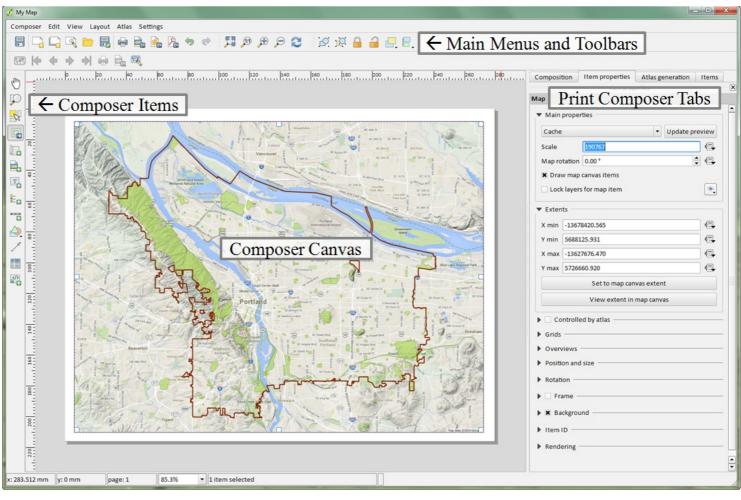


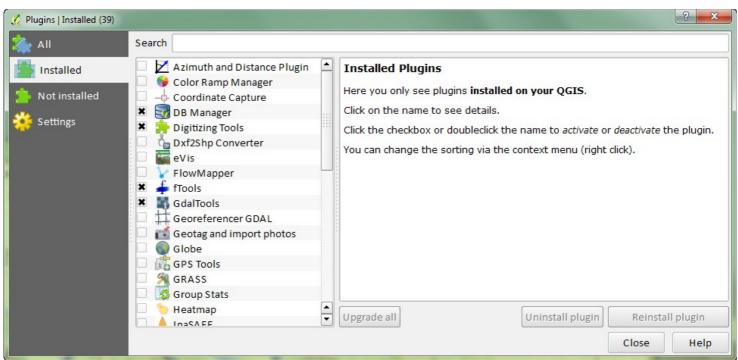




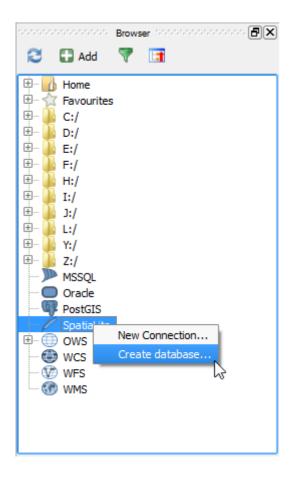


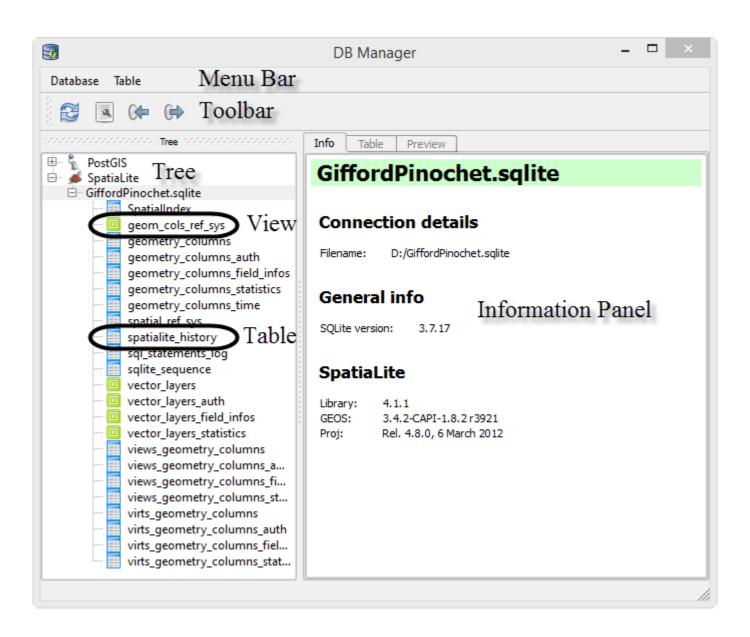


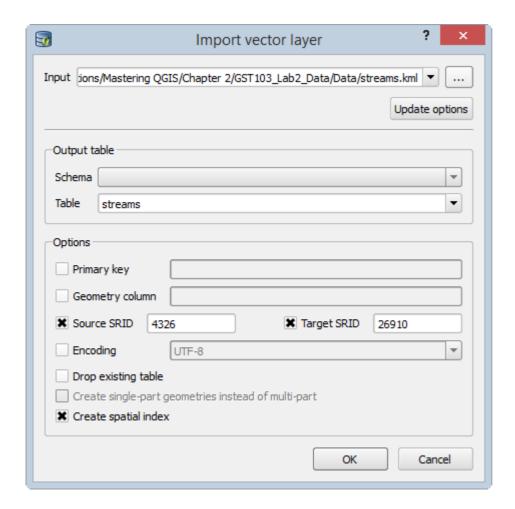


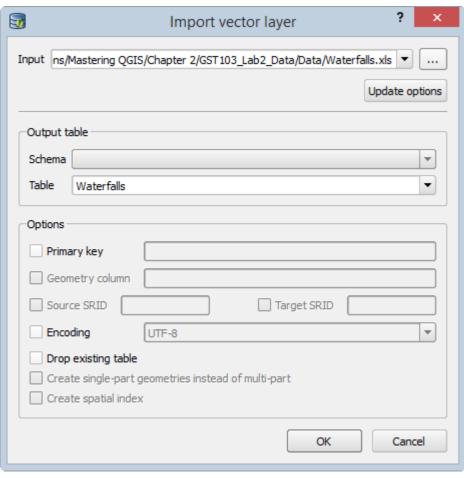


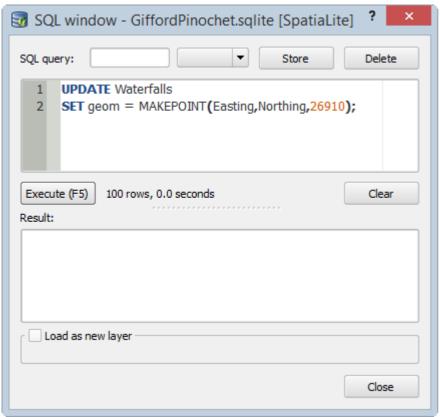
Chapter 2: Creating Spatial Databases

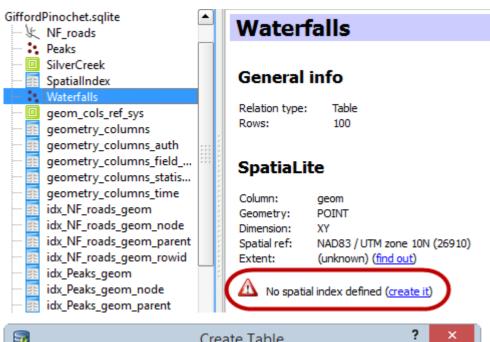


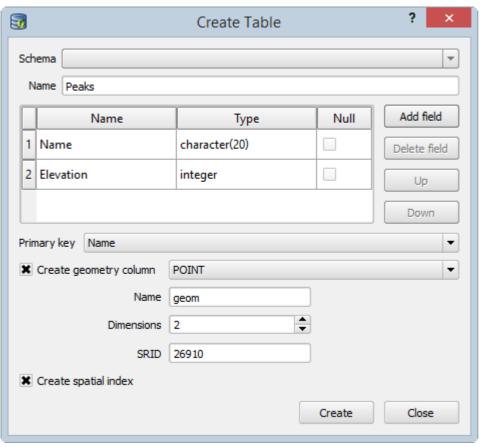


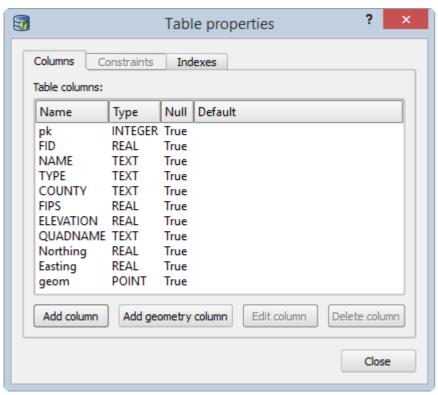


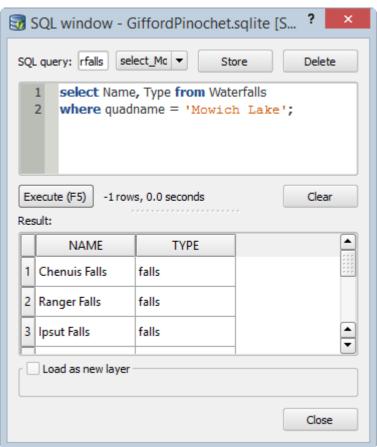


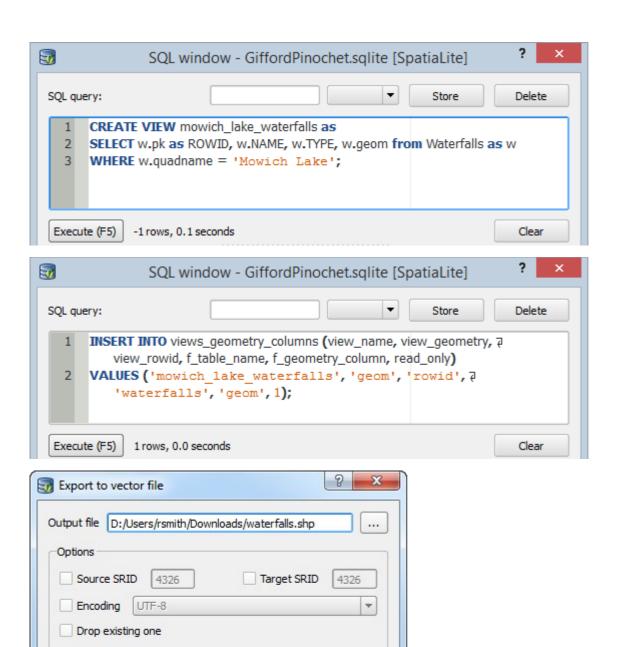






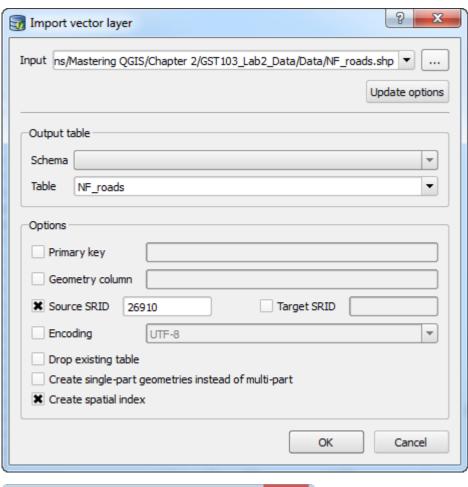


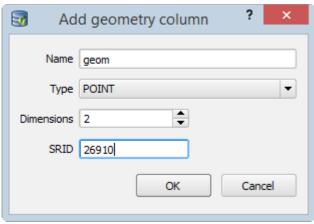


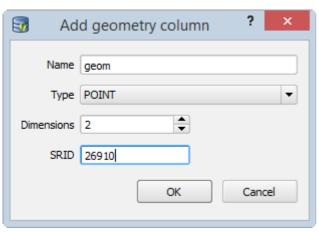


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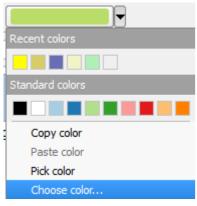
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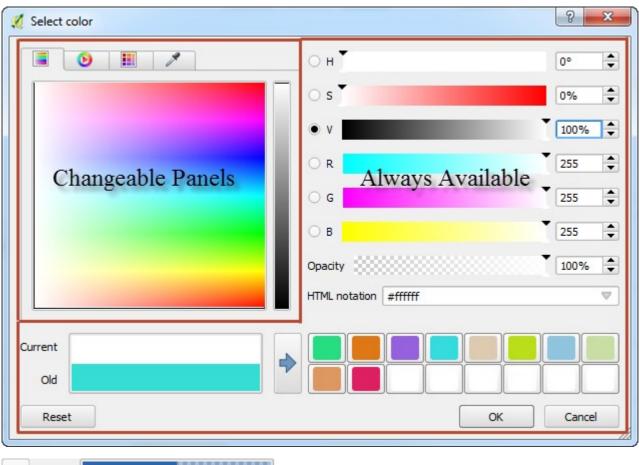




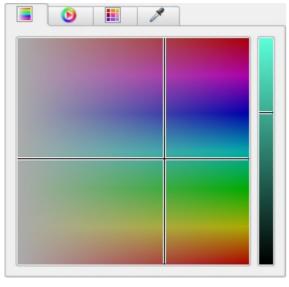


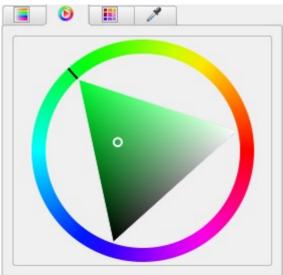
Chapter 3: Code Smells and Refactoring

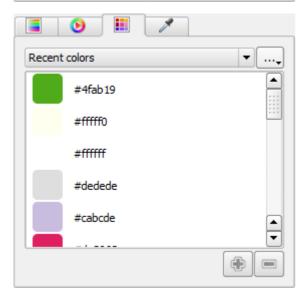








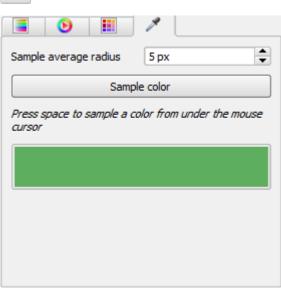


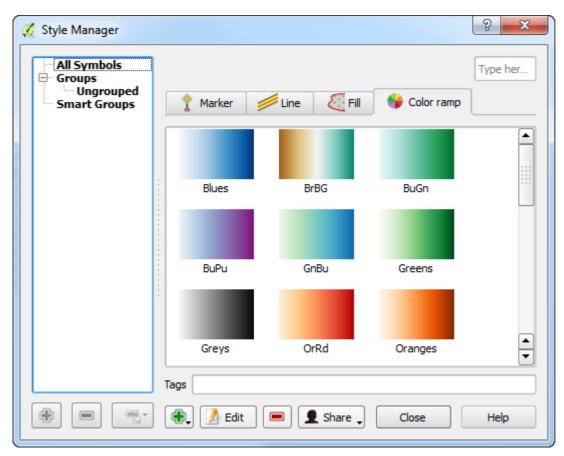


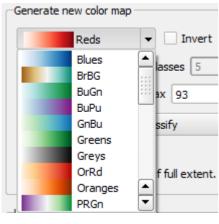


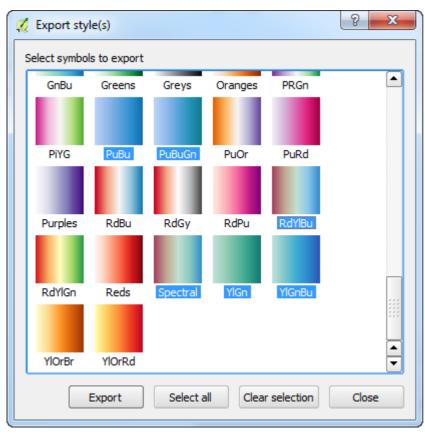


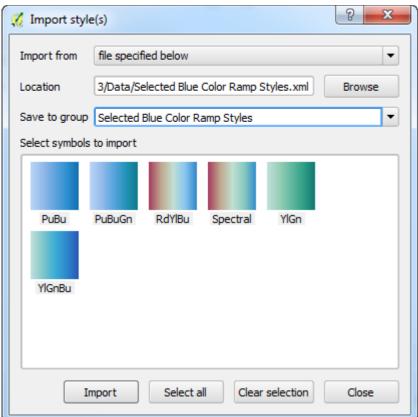




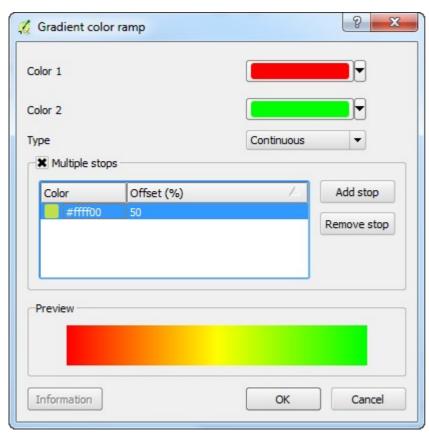


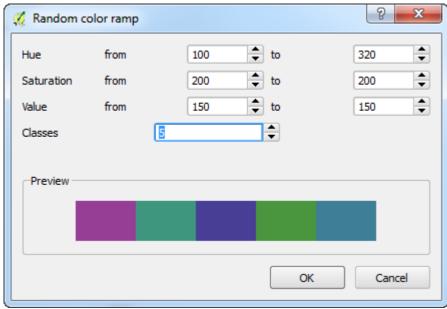


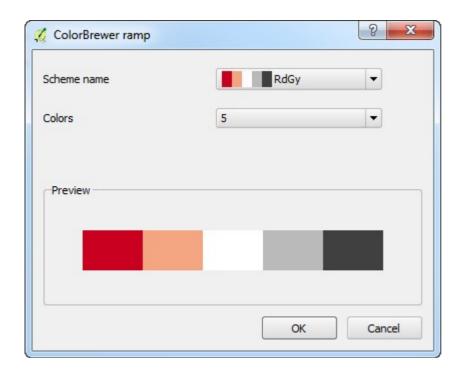


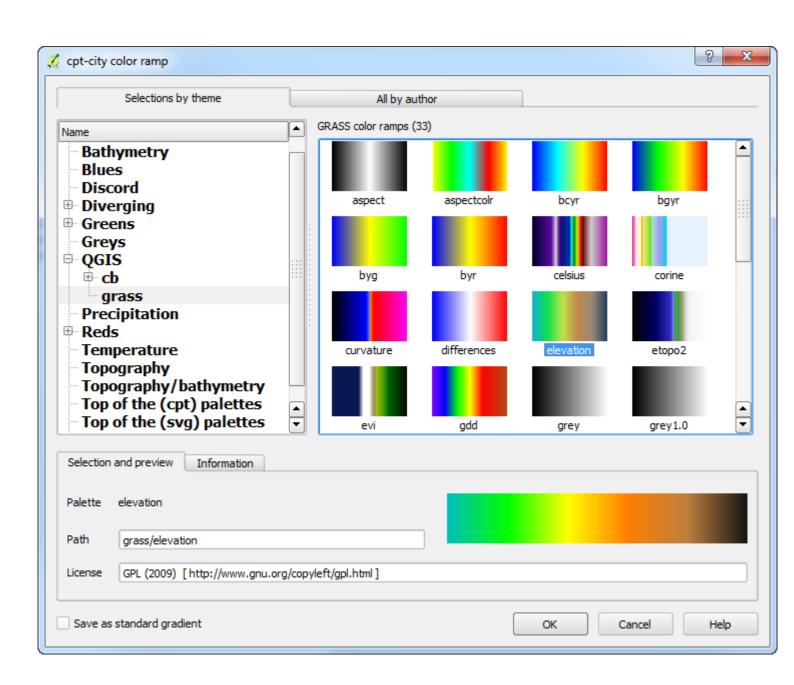


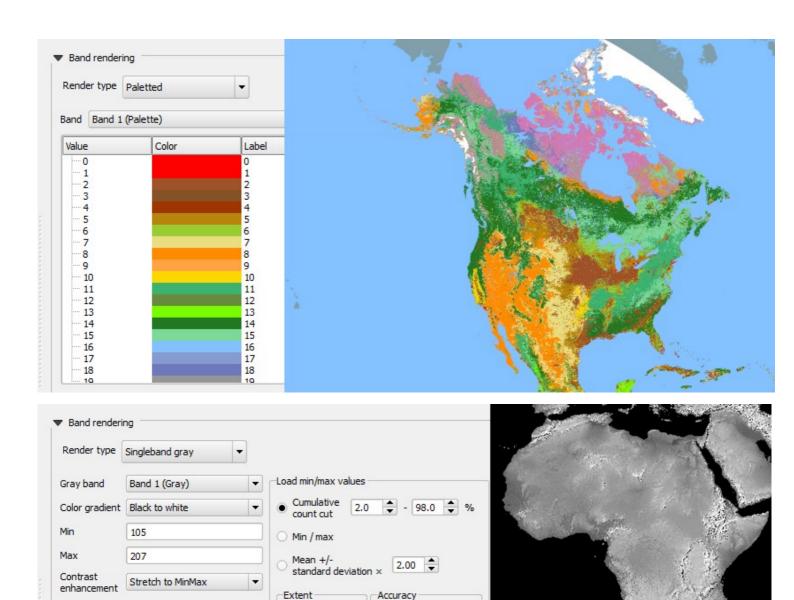












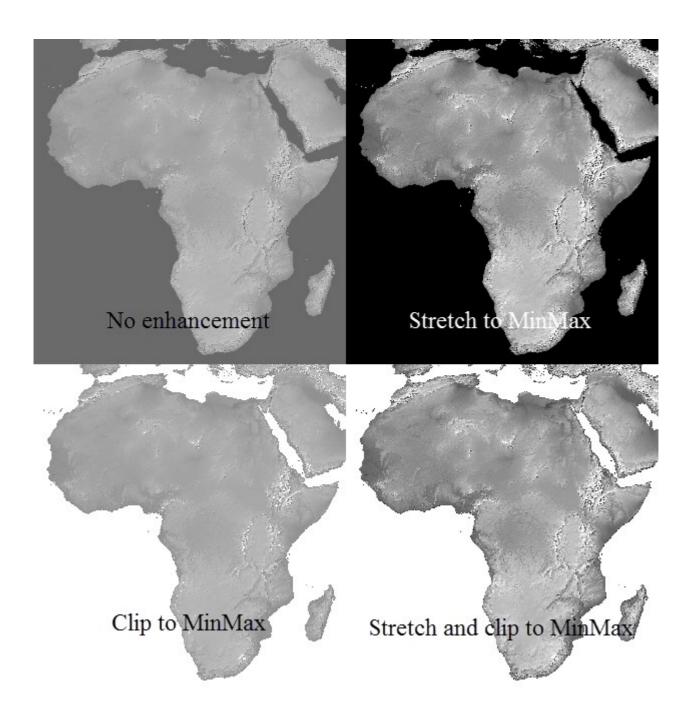
Estimate (faster)

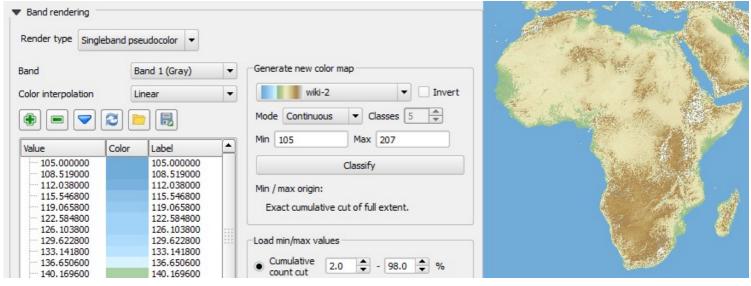
Load

Actual (slower)

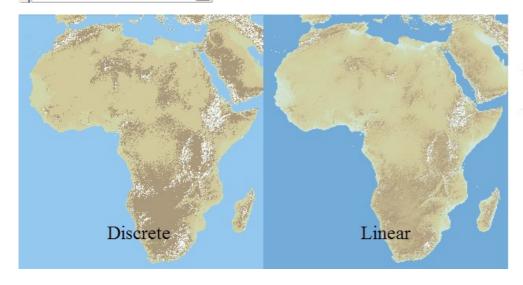
• Full

O Current

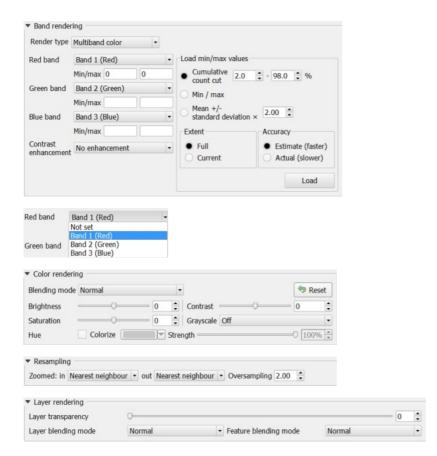


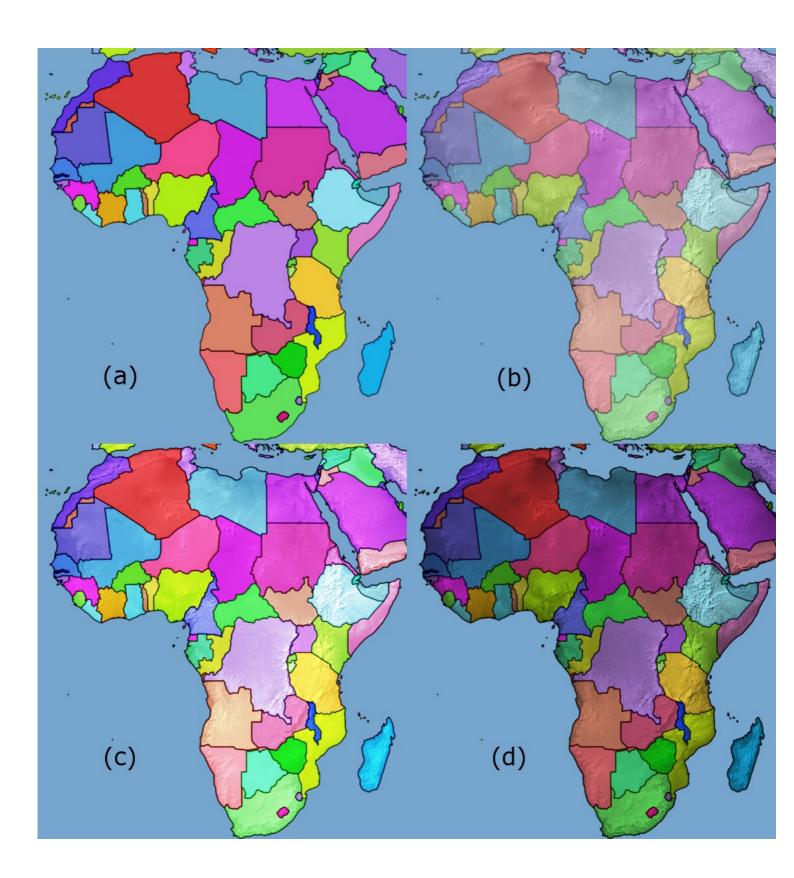


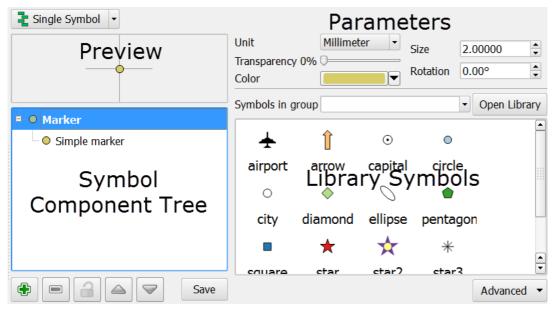








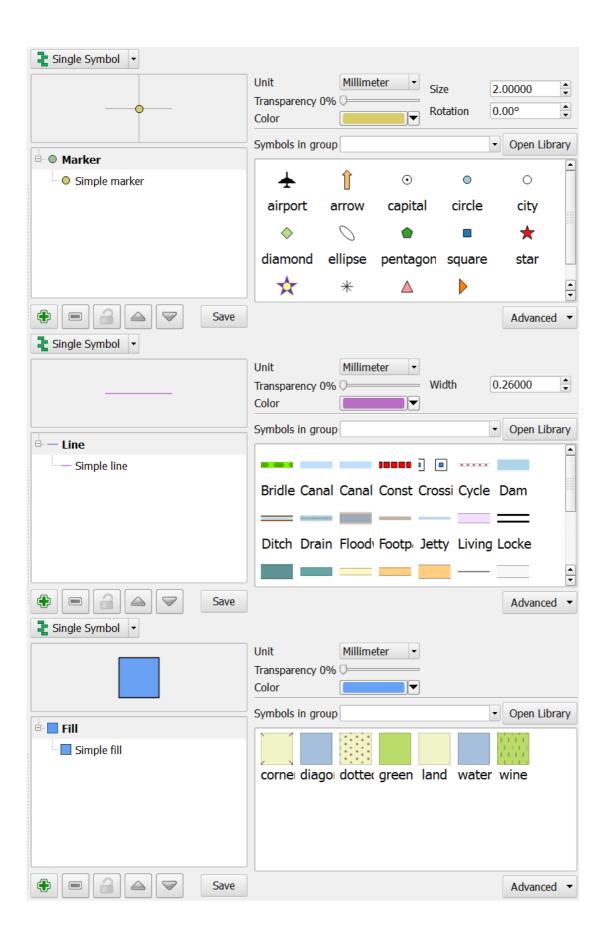


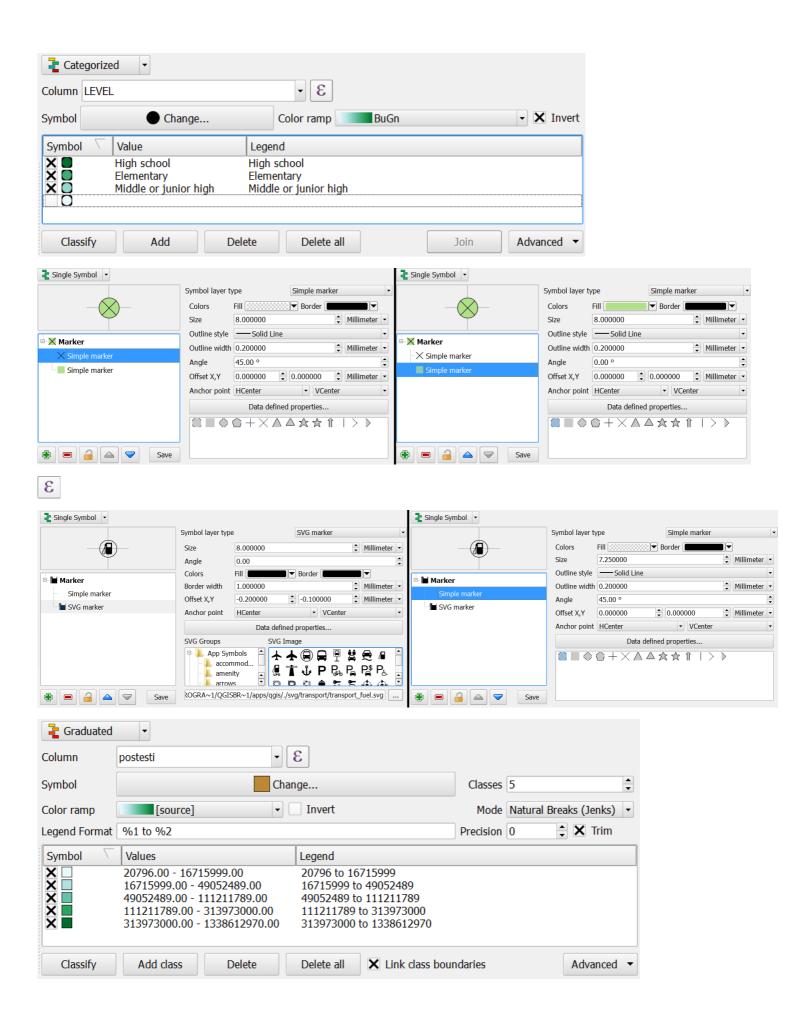


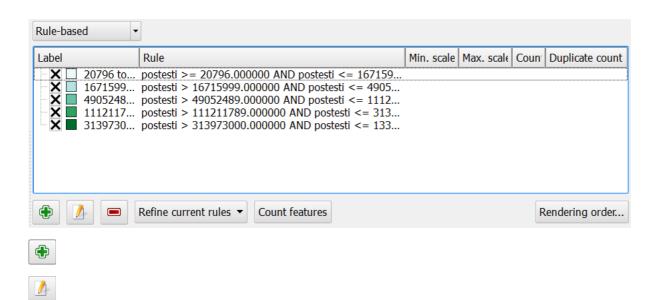


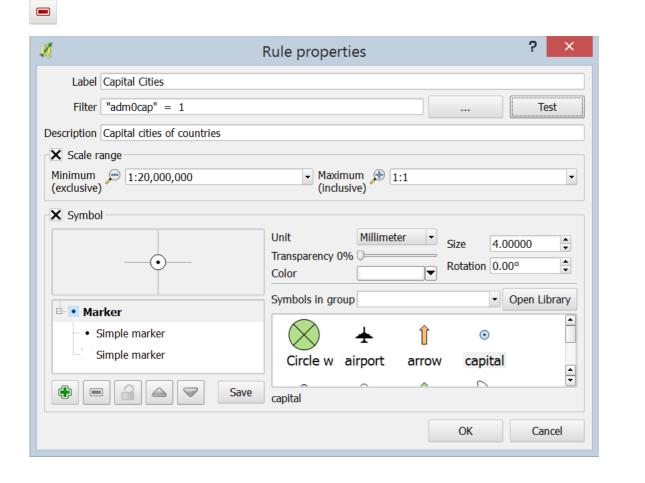


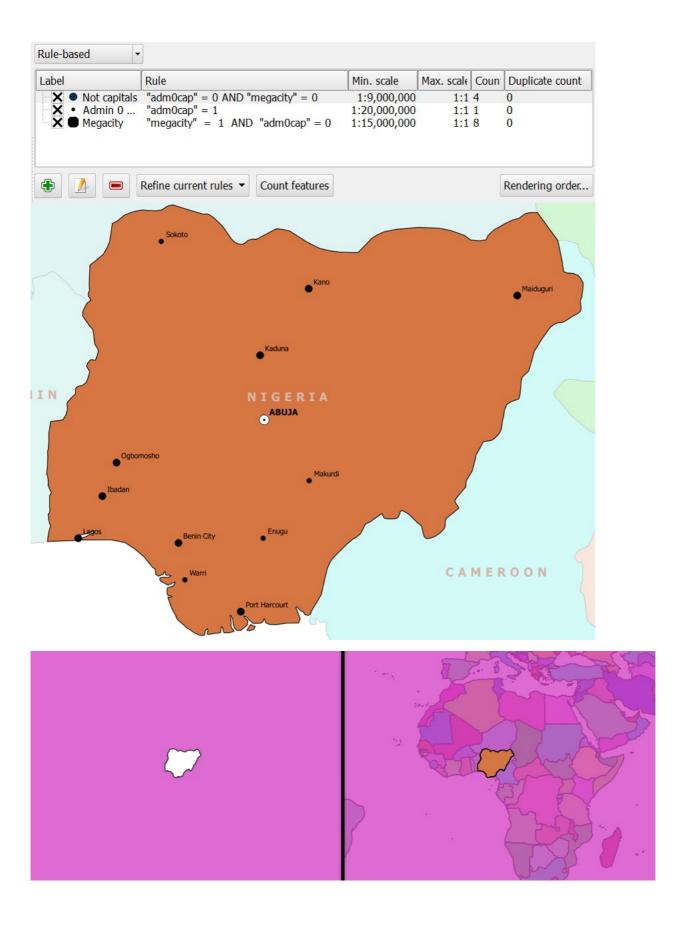


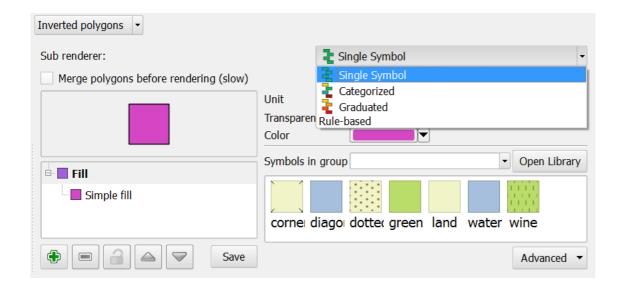


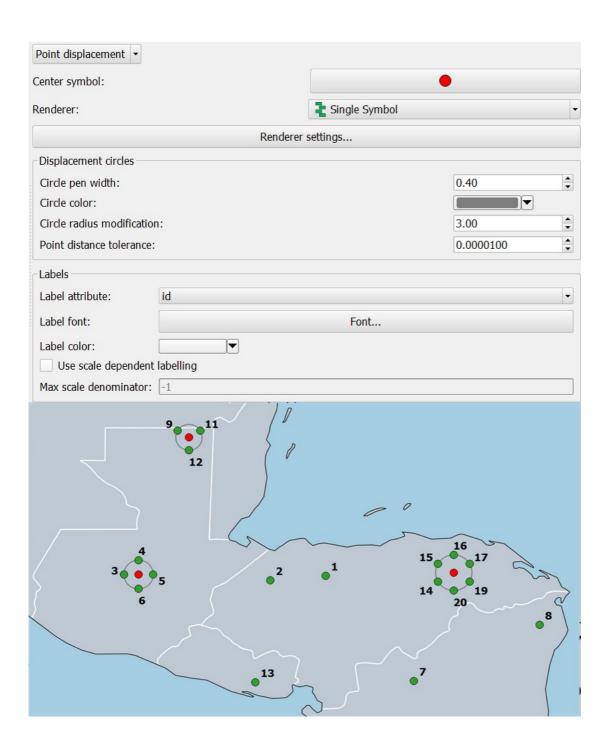


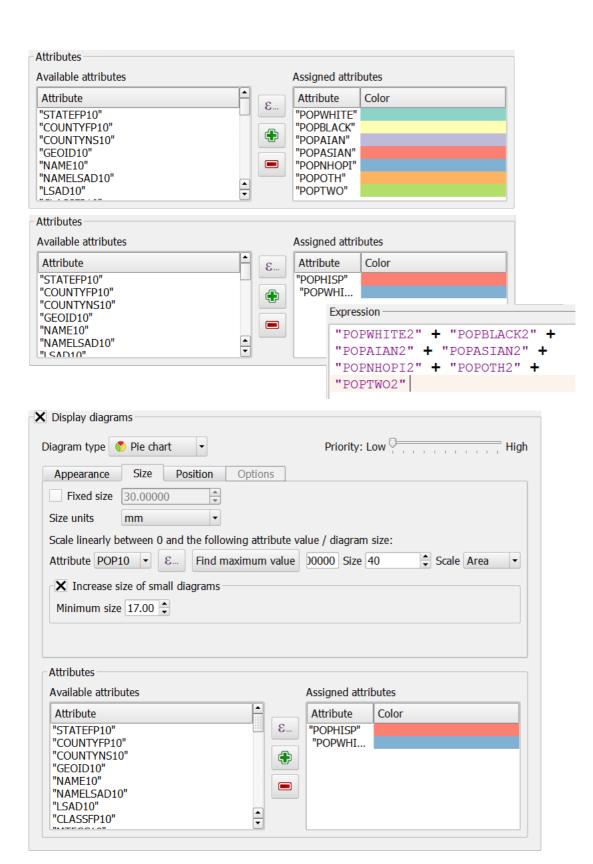


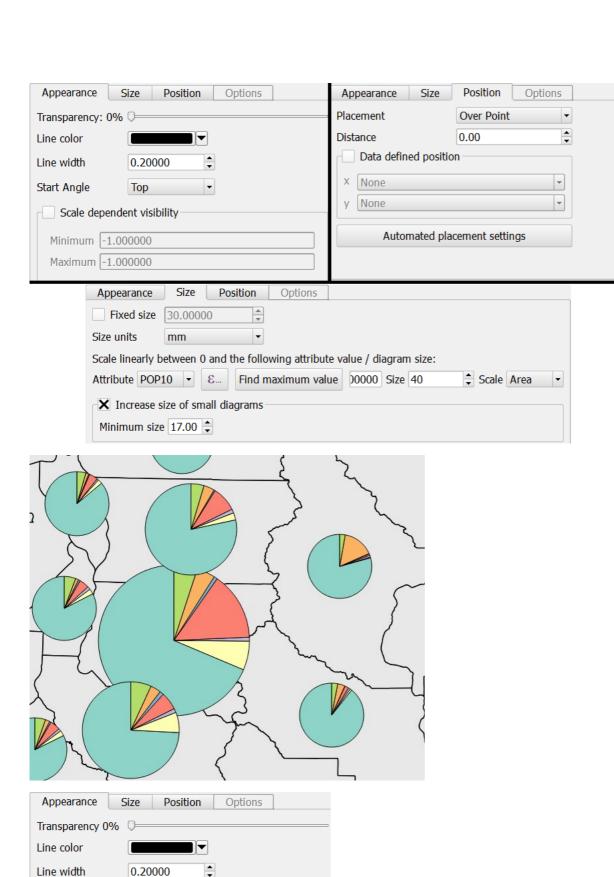












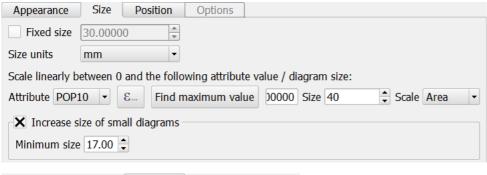
Start Angle

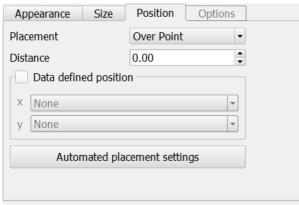
Top

Scale dependent visibility

Minimum -1.000000

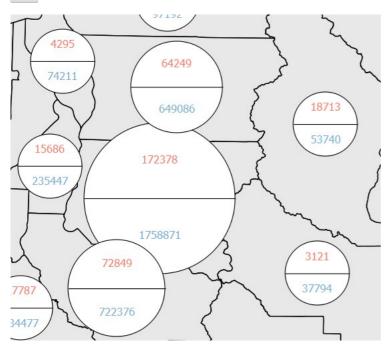
Maximum -1.000000

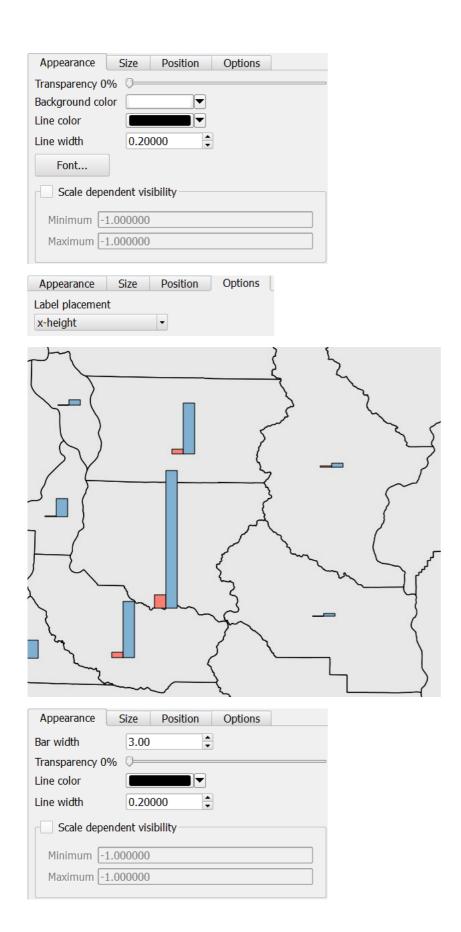


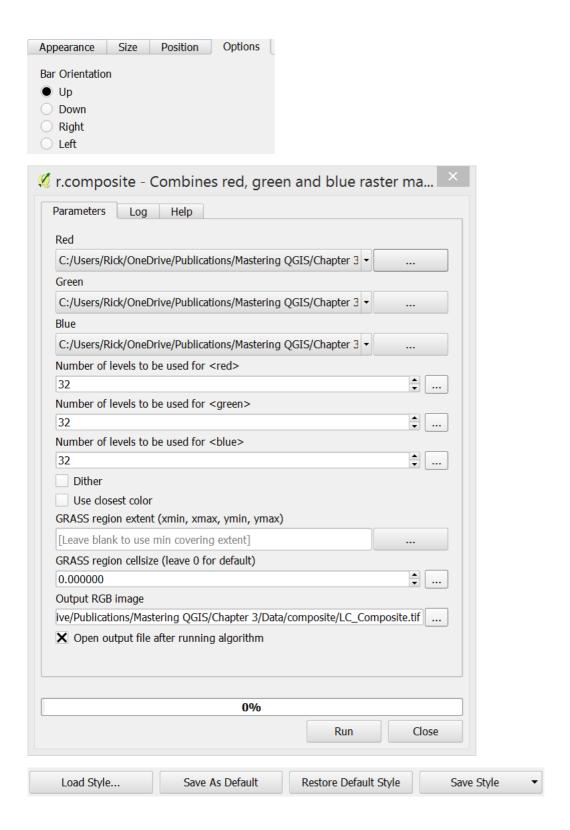




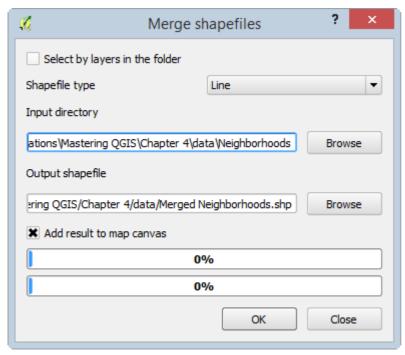
8...

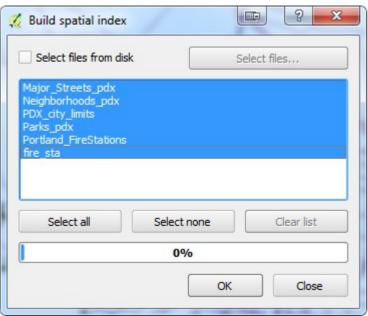


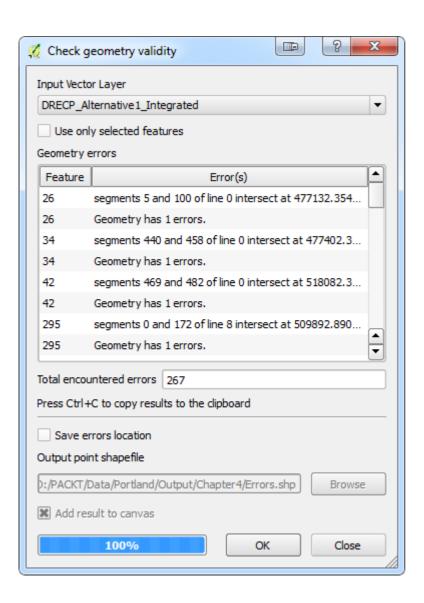


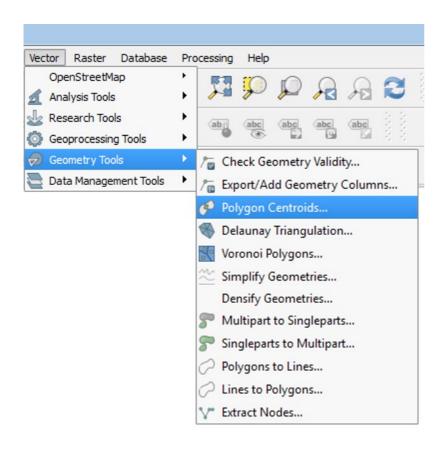


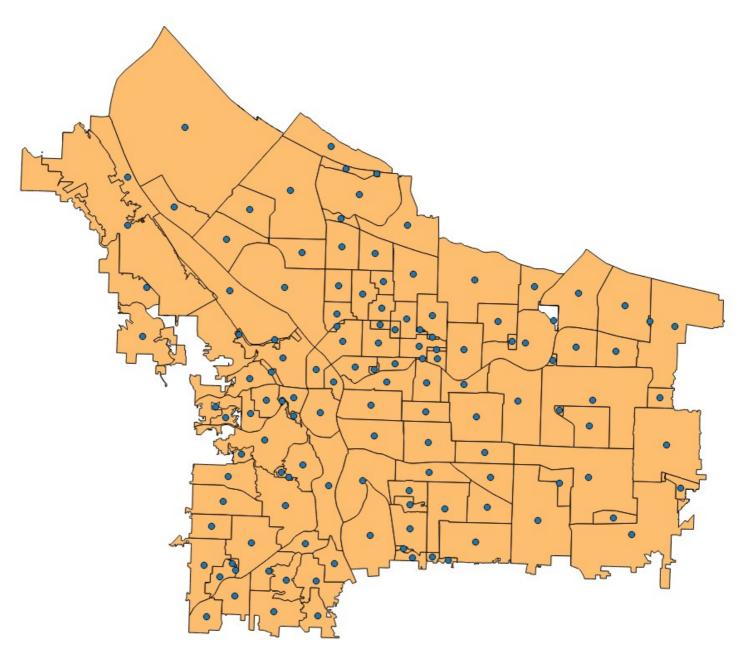
Chapter 4: Preparing Vector Data for Processing

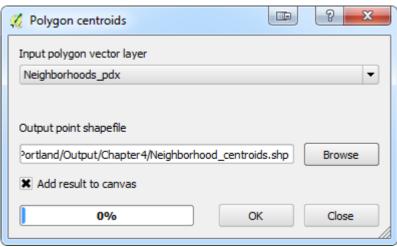


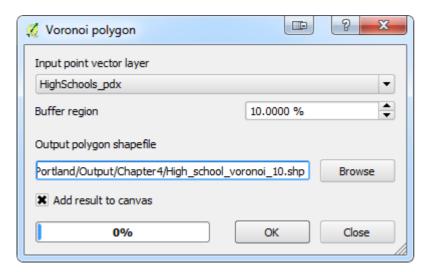


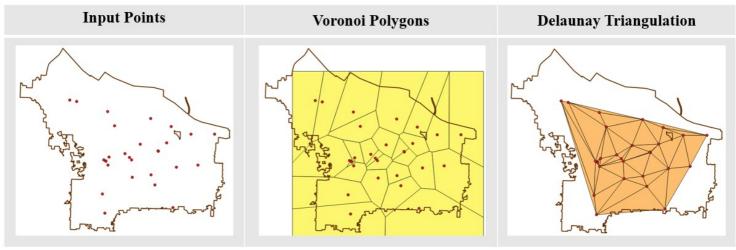


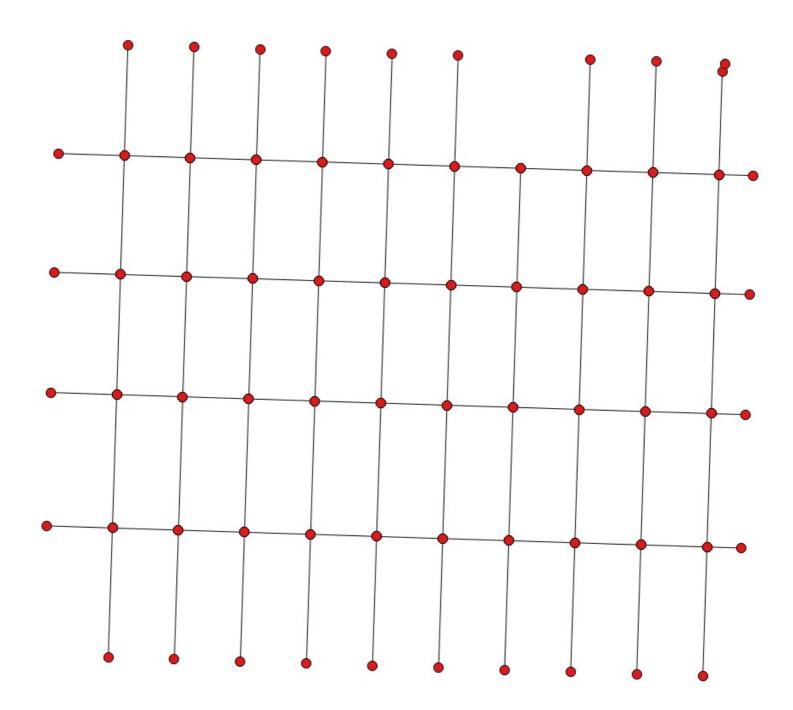


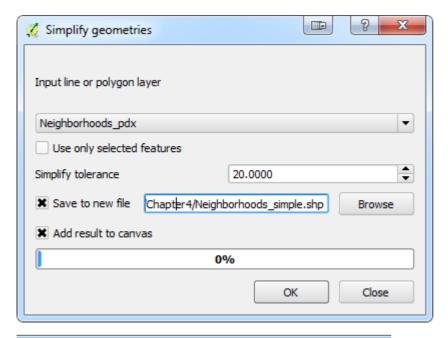


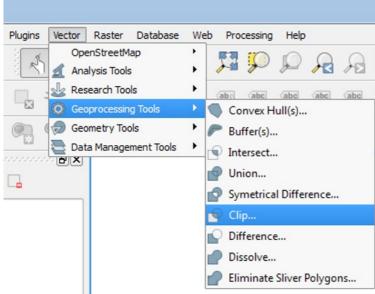


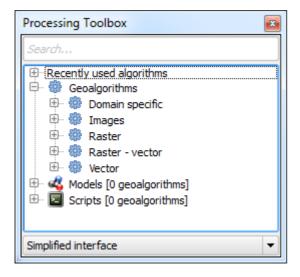


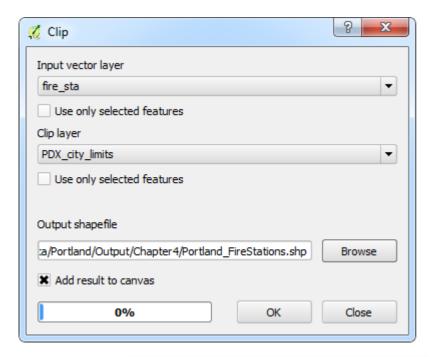


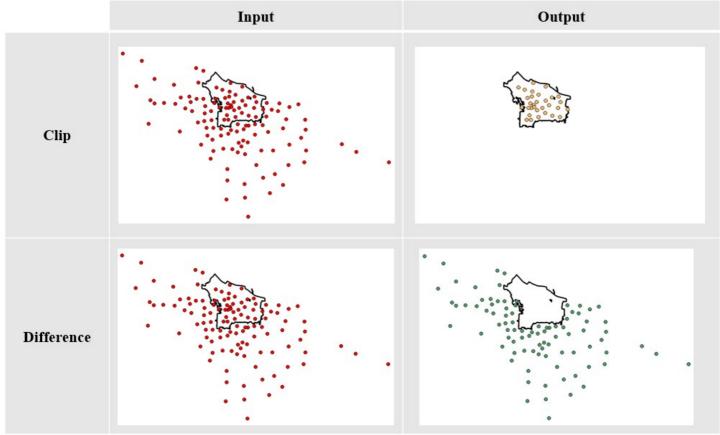


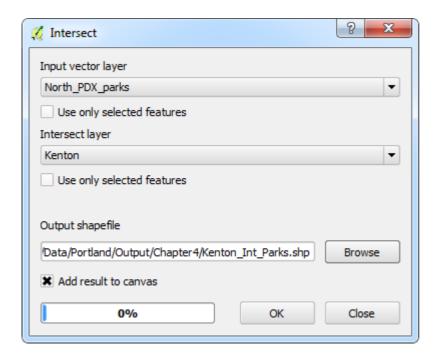


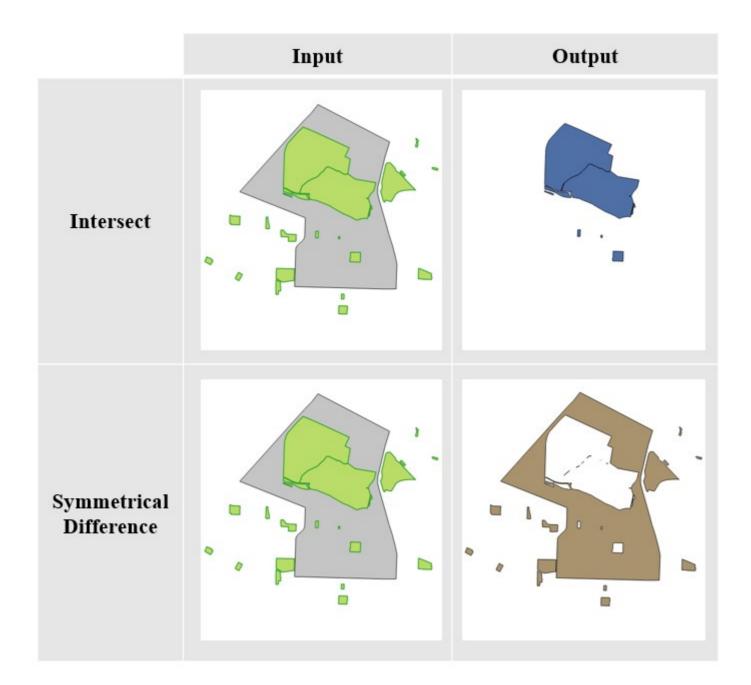


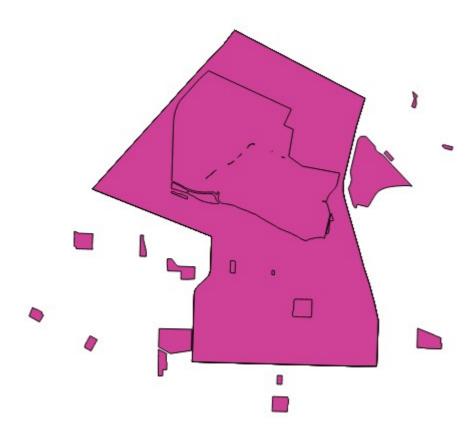


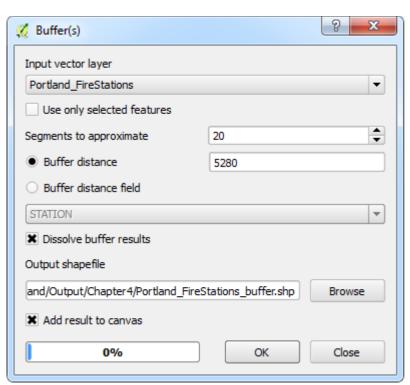


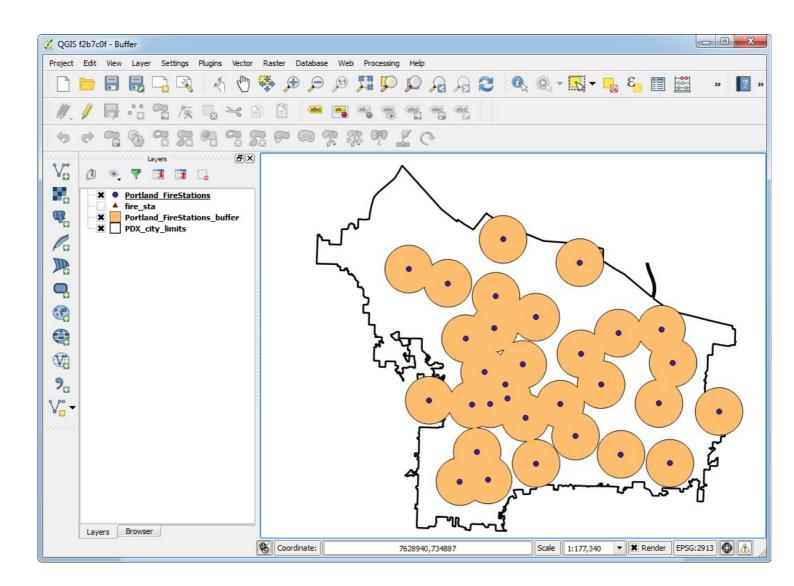


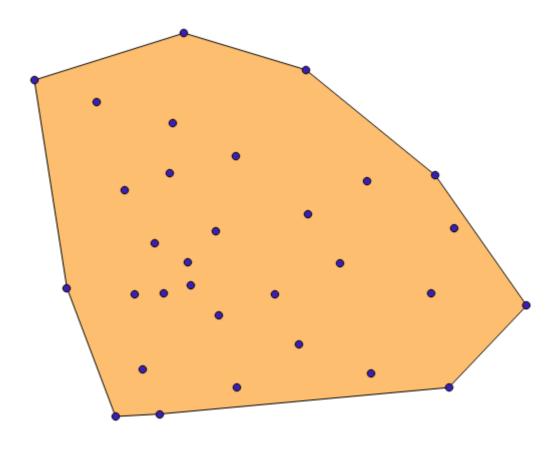


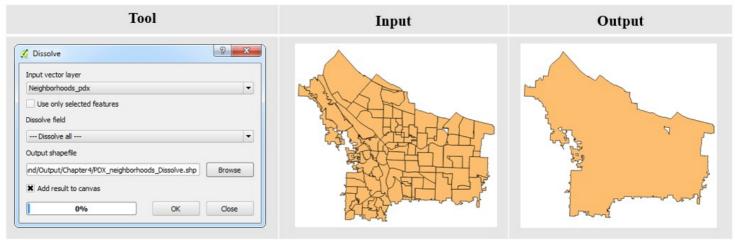








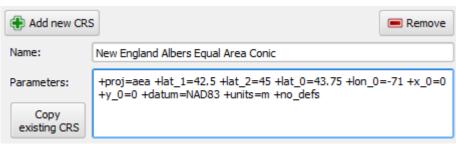




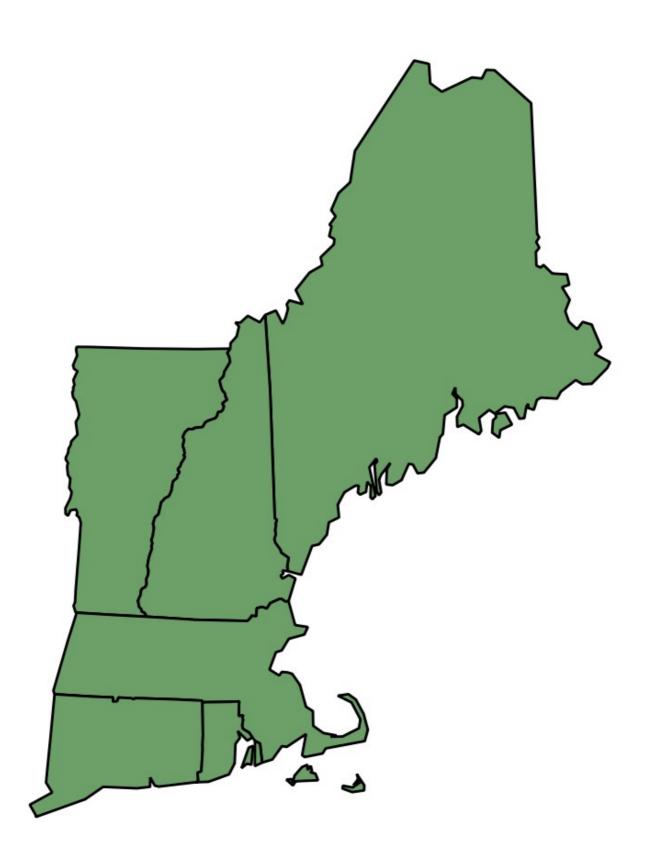
USA_Eckert_IV

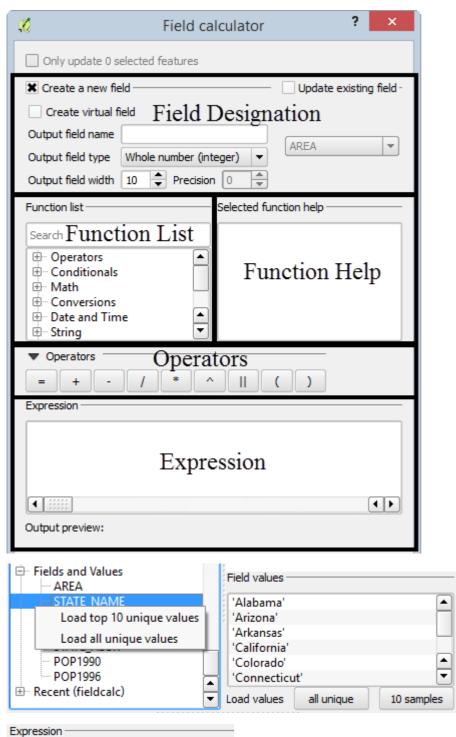
+proj=eck4 +lon_0=-96.0 +x_0=0 +y_0=0 +datum=WGS84 +units=m +no_defs











```
CASE
WHEN "POP1996" > 5000000 THEN
result
ELSE
"STATE_NAME"
END
```

```
CASE
WHEN "POP1996" > 5000000 THEN

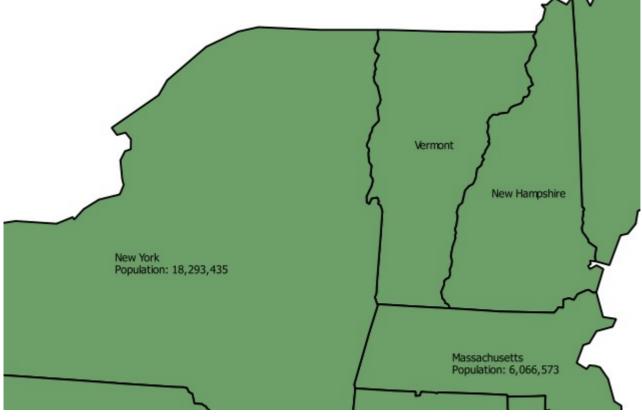
"STATE_NAME" || '\nPopulation: ' || format_number( "POP1996",0)

ELSE

"STATE_NAME"

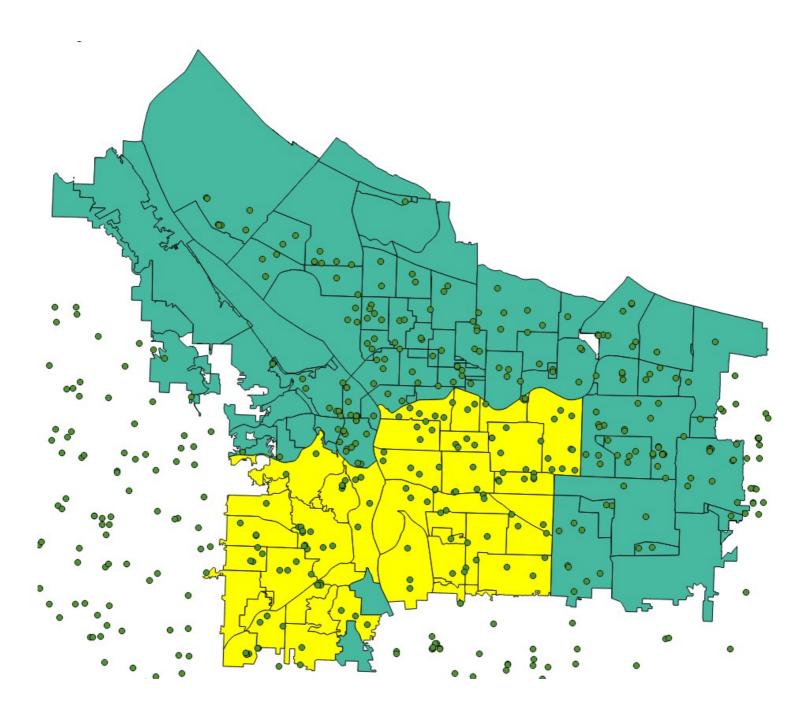
END

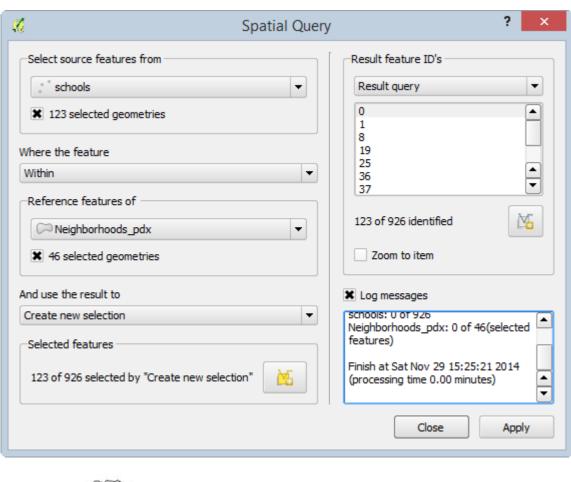
Output preview: Washington
Population: 5,629,613
```



Expression
format_date(\$now,'dd/MM/yyyy')

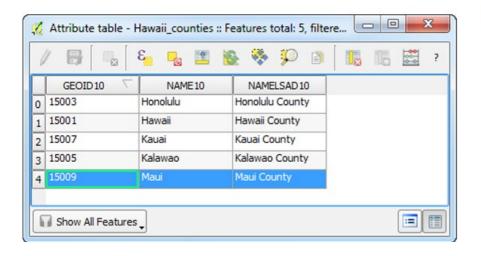
Updated 29/11/2014 29/11/2014



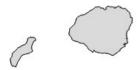




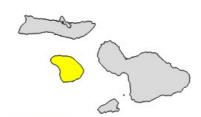


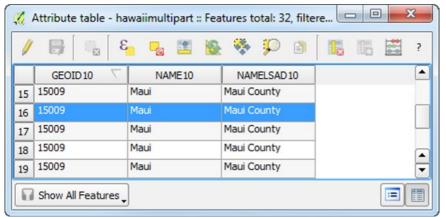




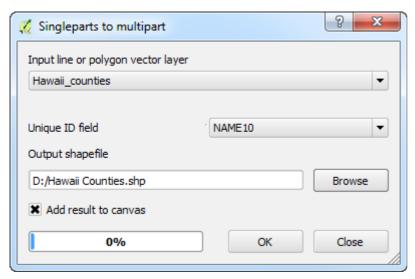


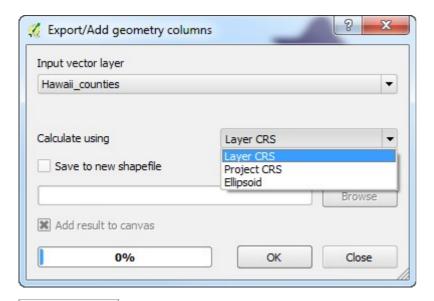






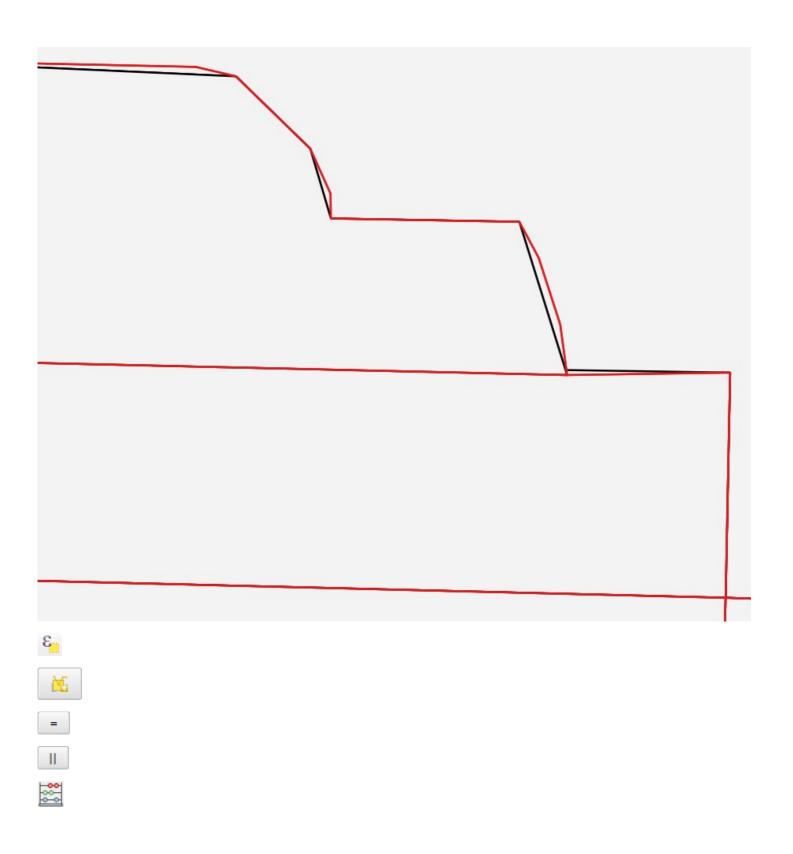




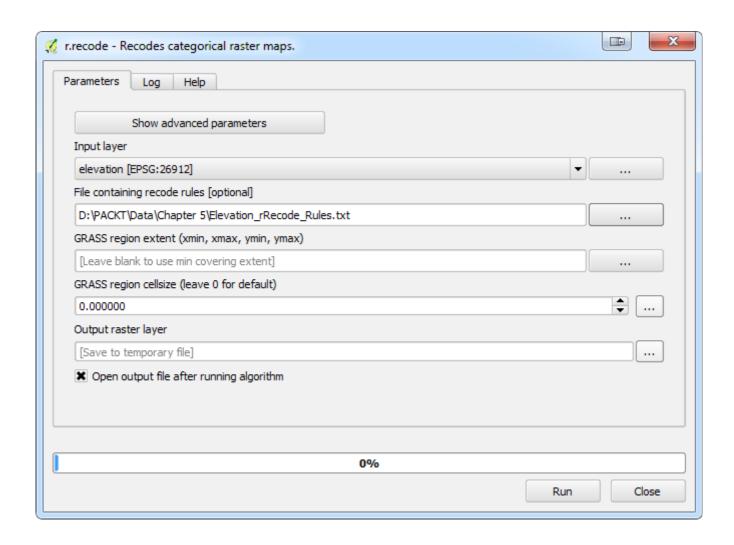


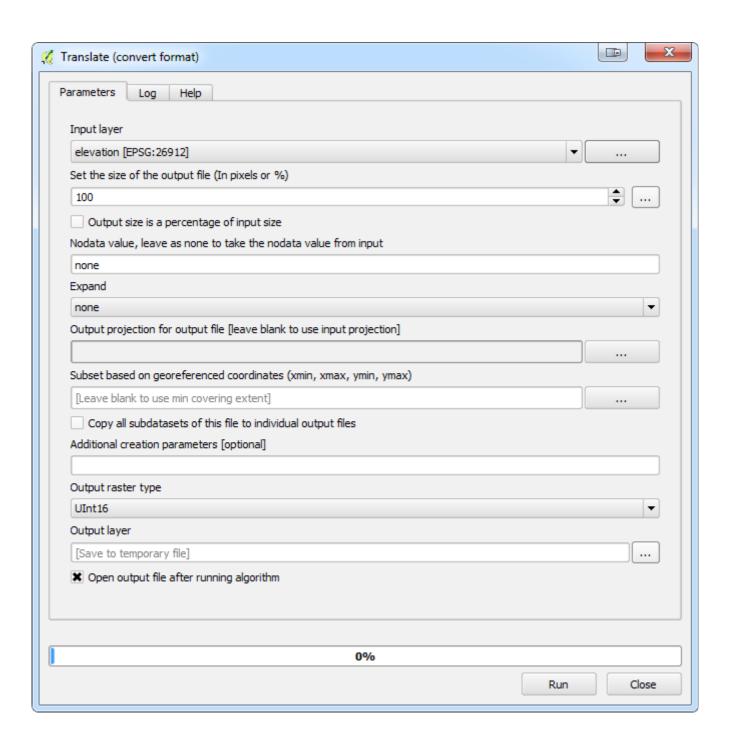
XCoord 7610162.7910105 7630980.8126640

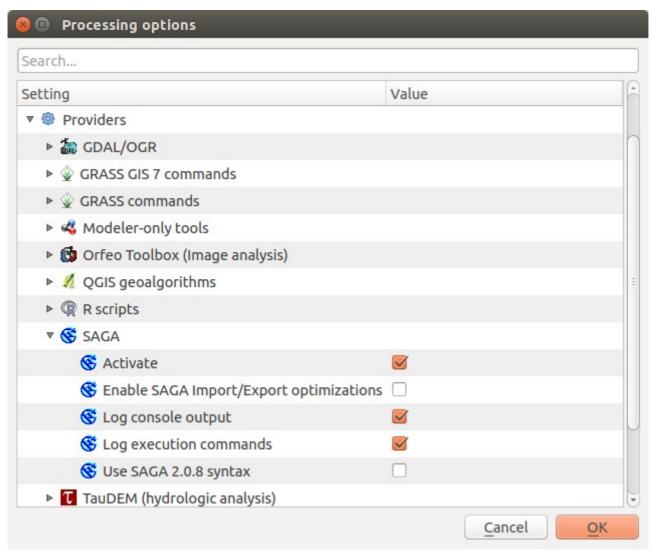
XCoord1	XCoord2
7644082.2869363	7644085.7078612
7626380.5004895	7626208.0759656

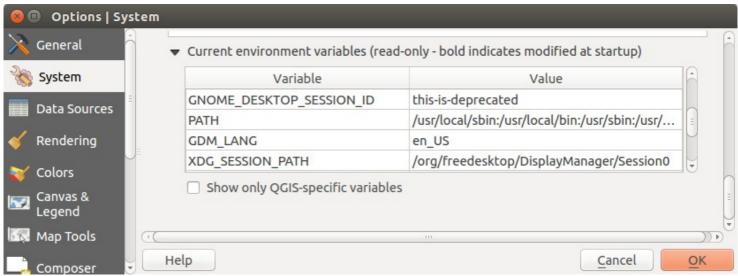


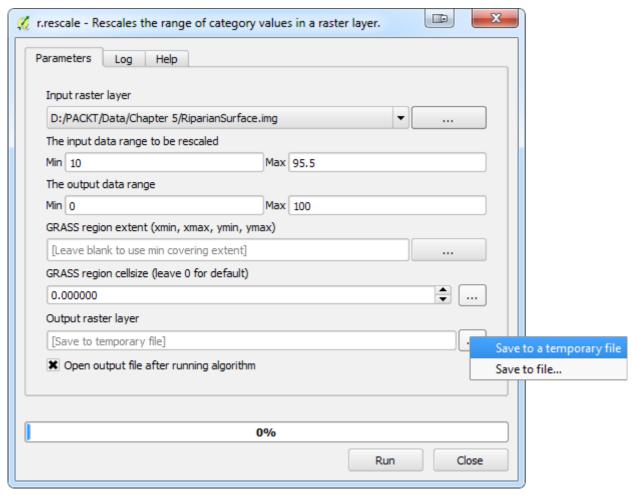
Chapter 5: Preparing Raster Data for Processing



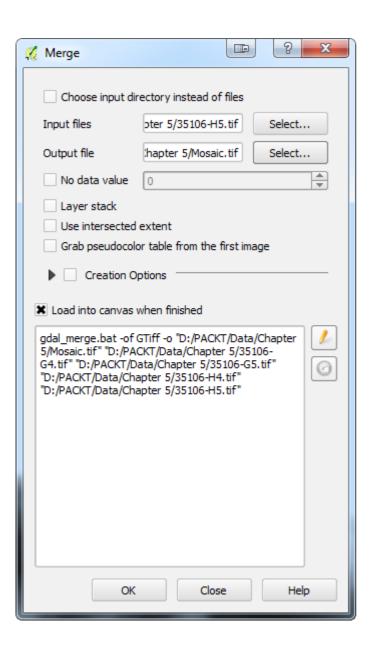


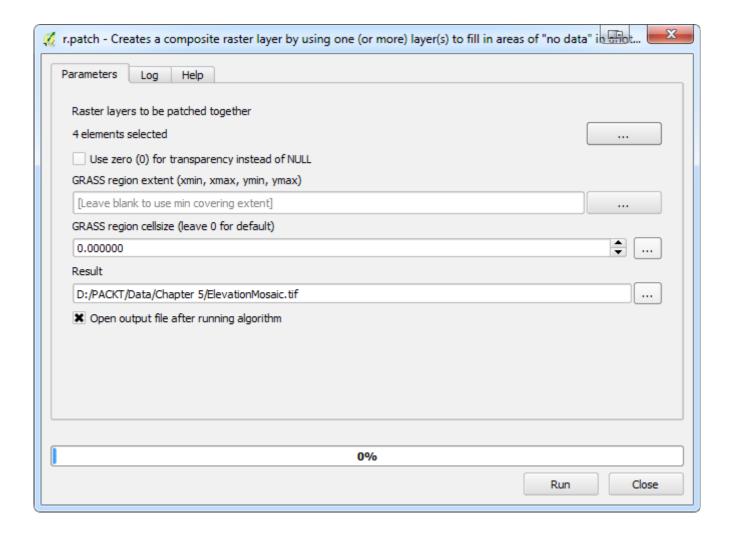


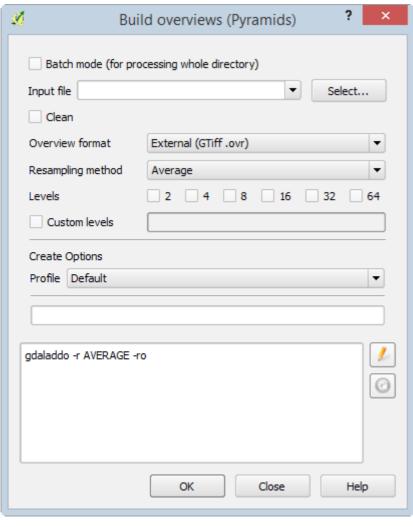


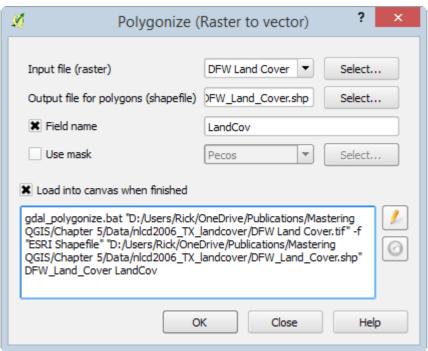


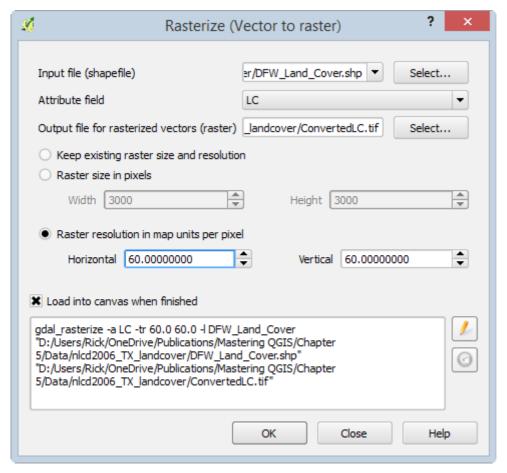


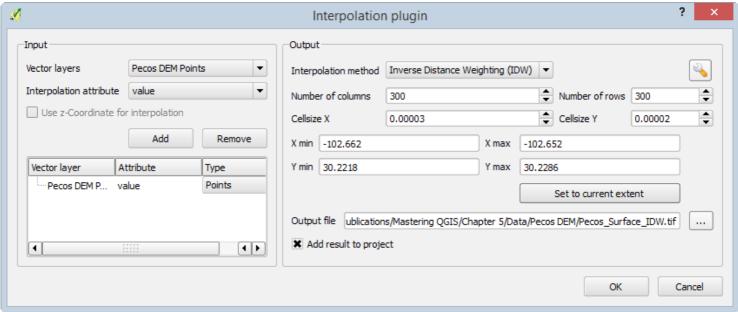




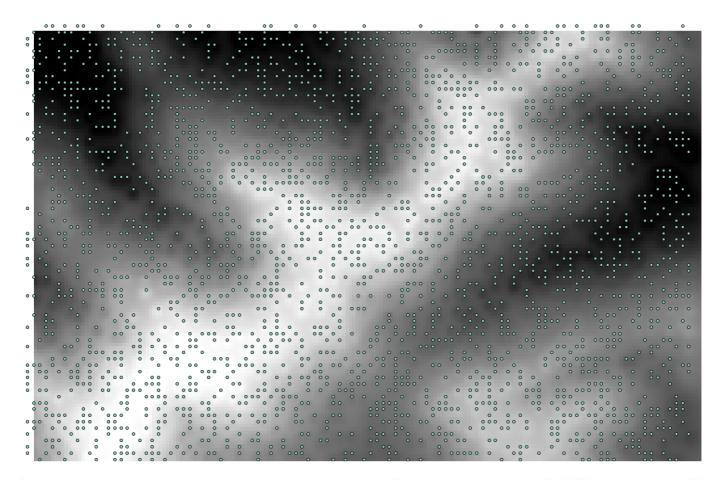


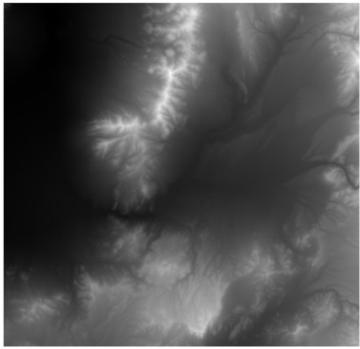


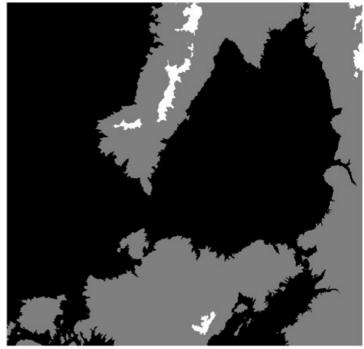


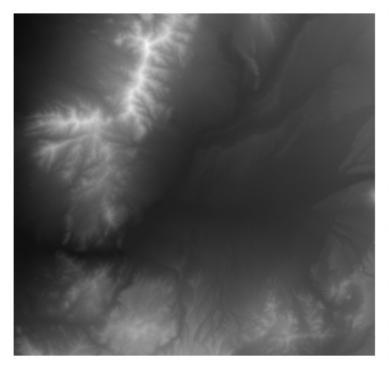


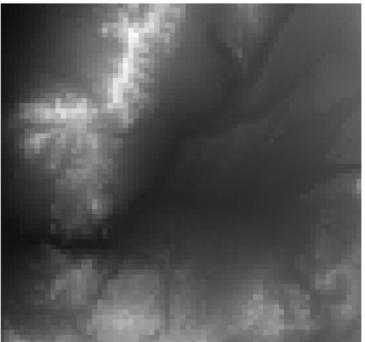


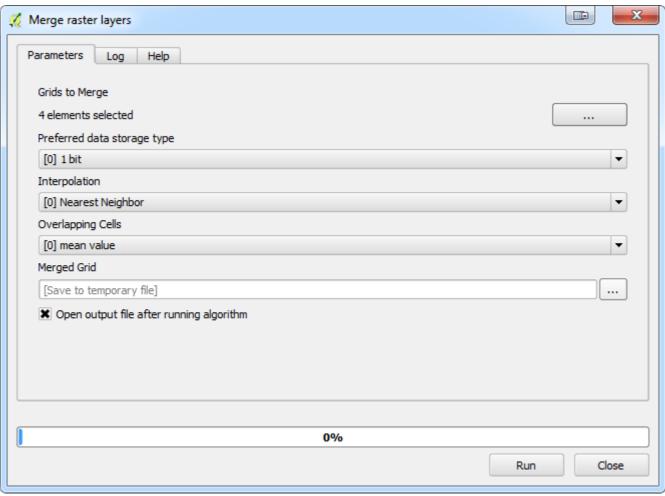








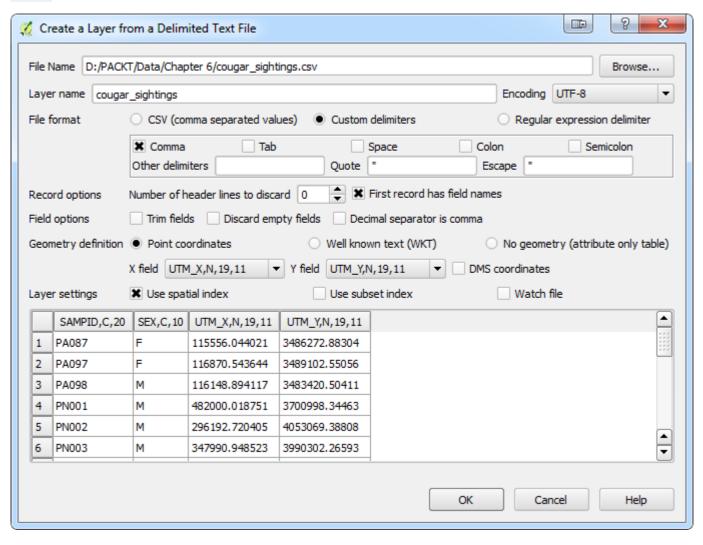


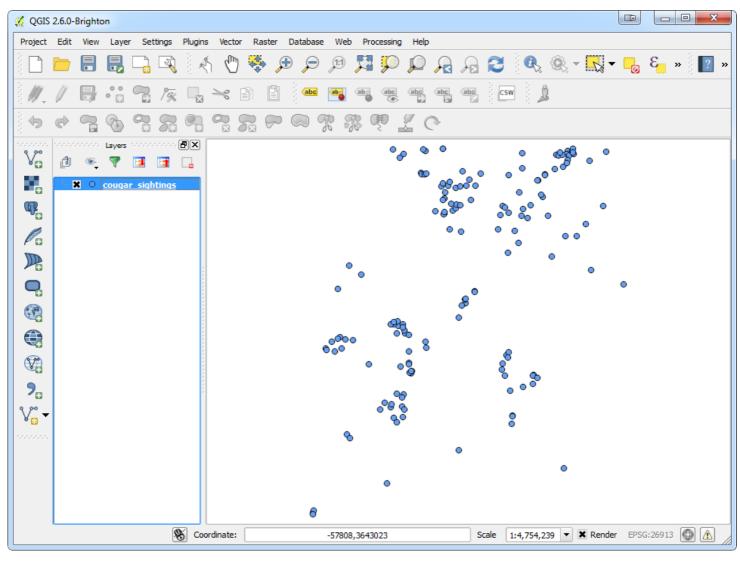


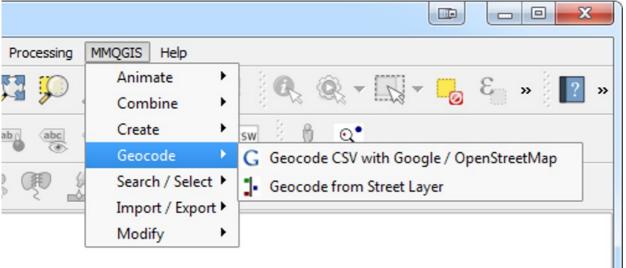
Chapter 6: Advanced Data Creation and Editing

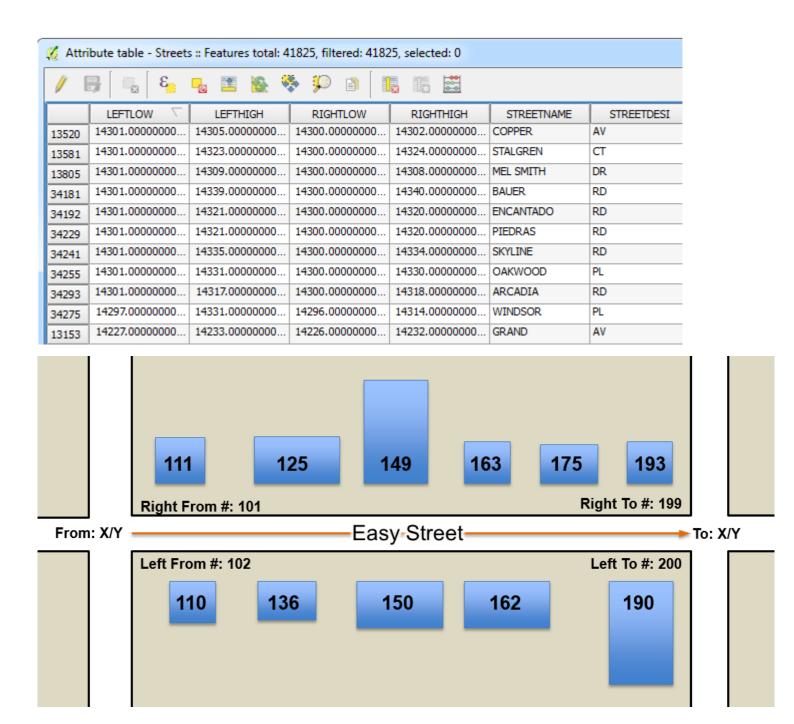
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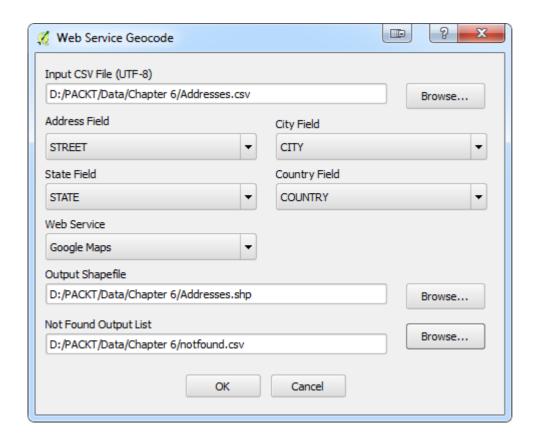


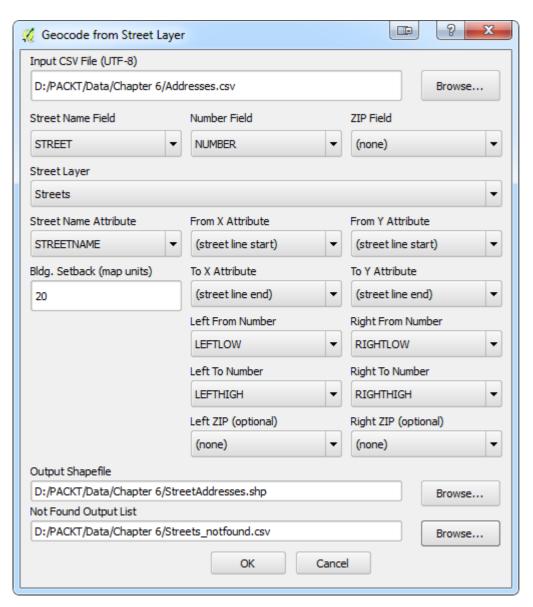




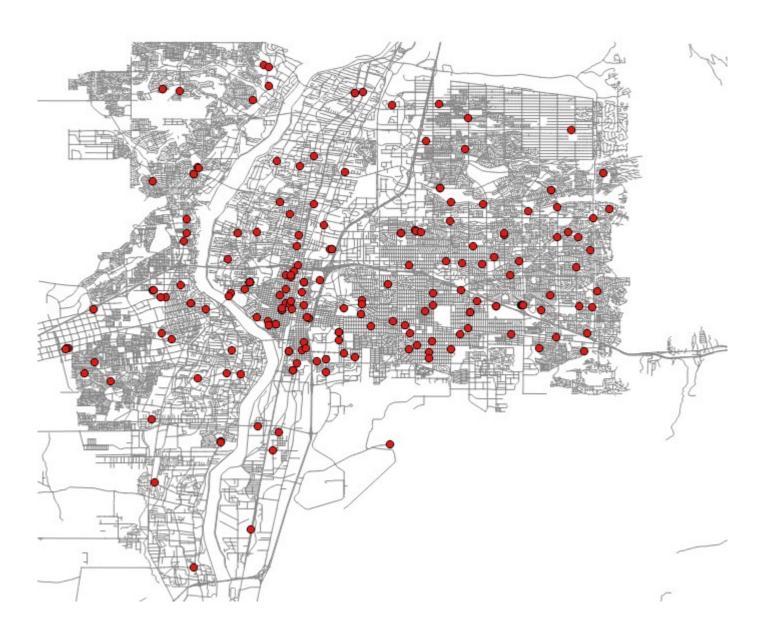


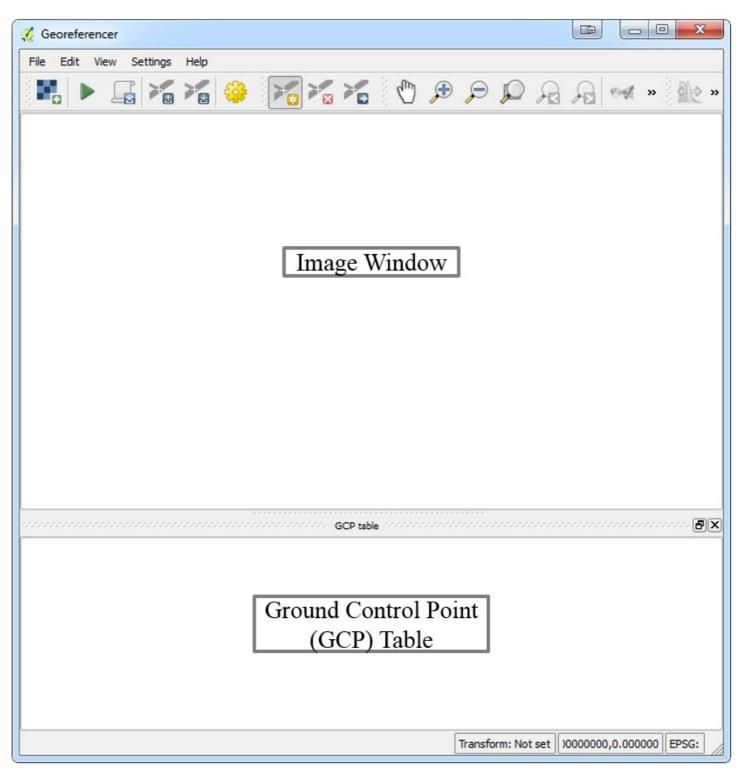






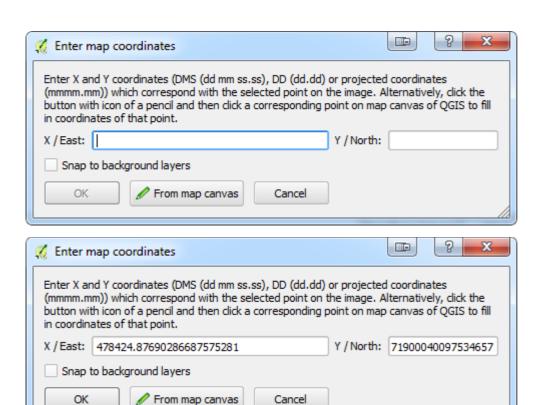


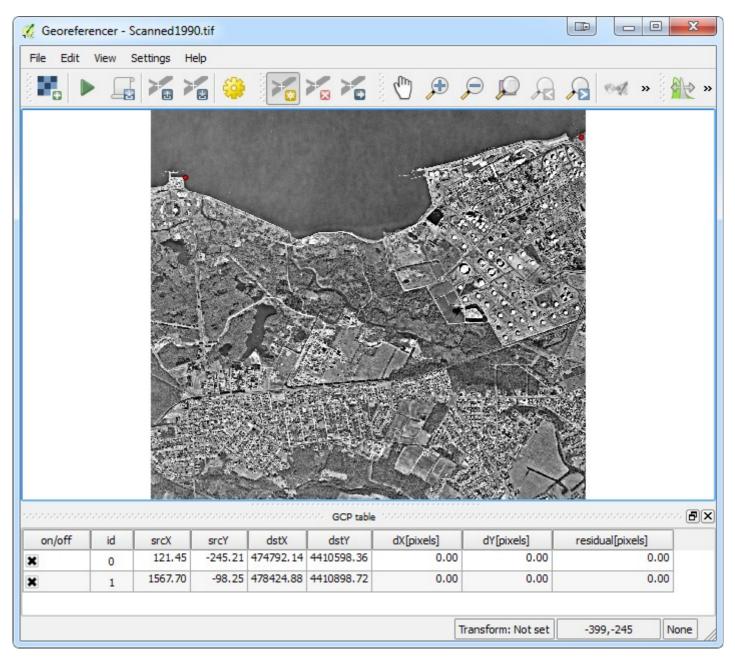














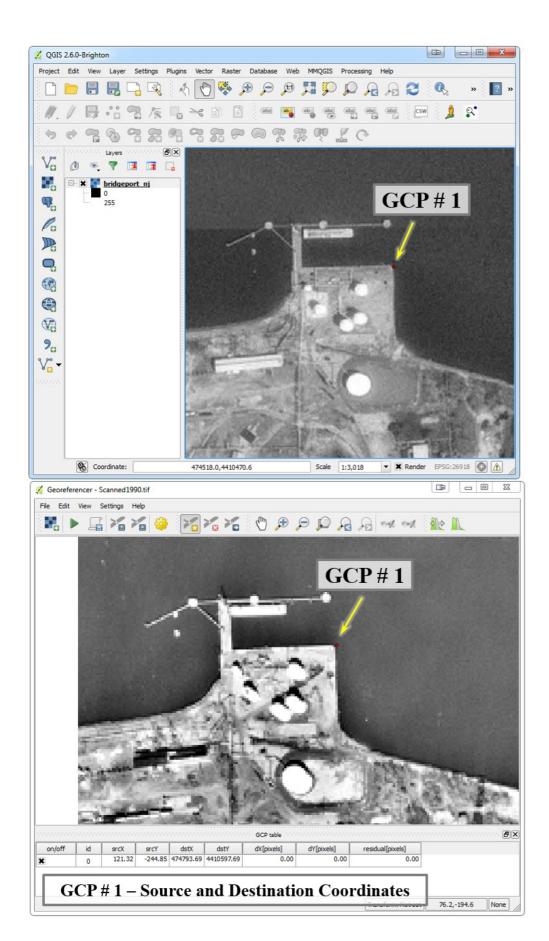












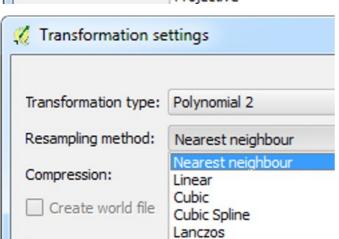


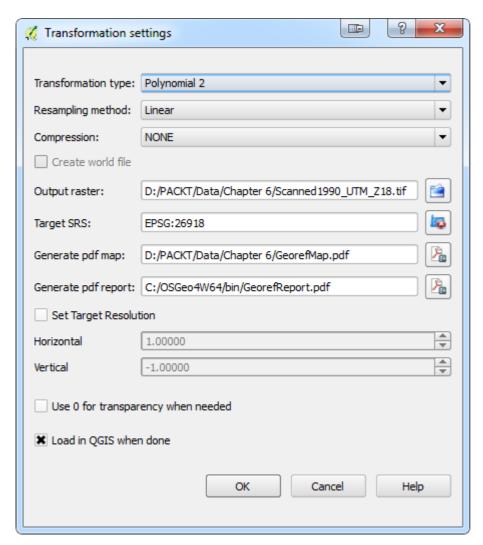




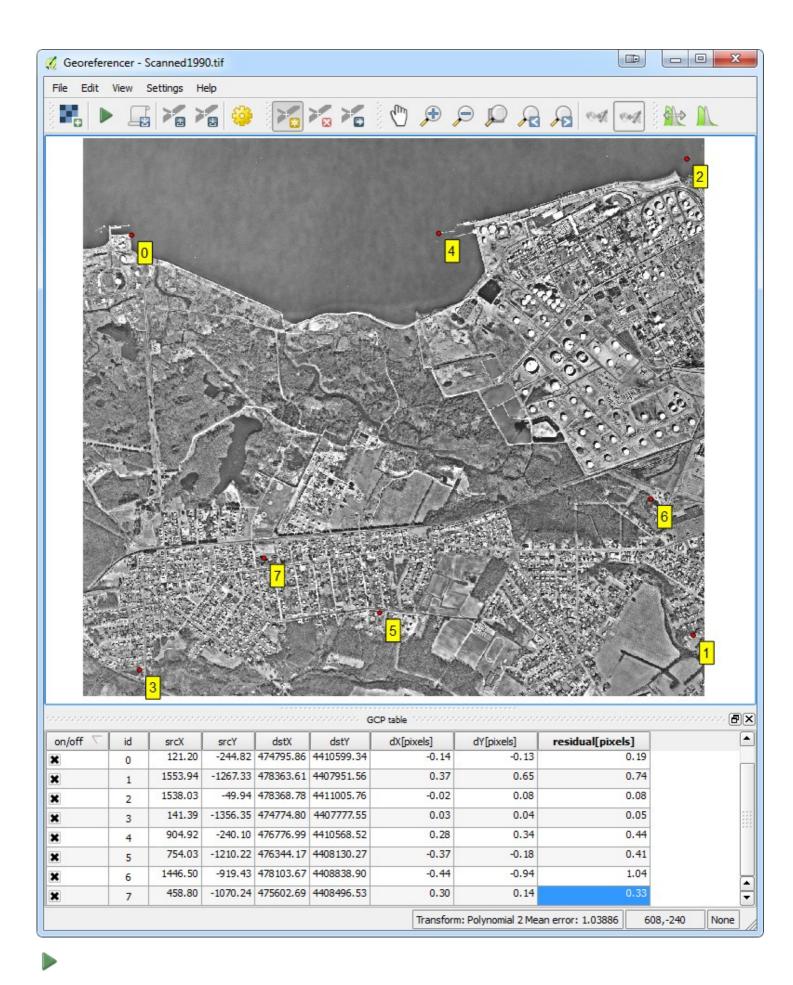


Transformation settings Transformation type: Polynomial 2 Resampling method: Linear Helmert Polynomial 1 Compression: Polynomial 2 Polynomial 3 Thin Plate Spline Projective

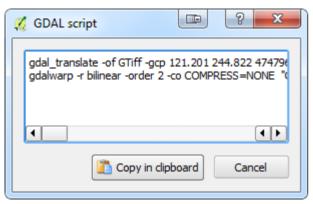




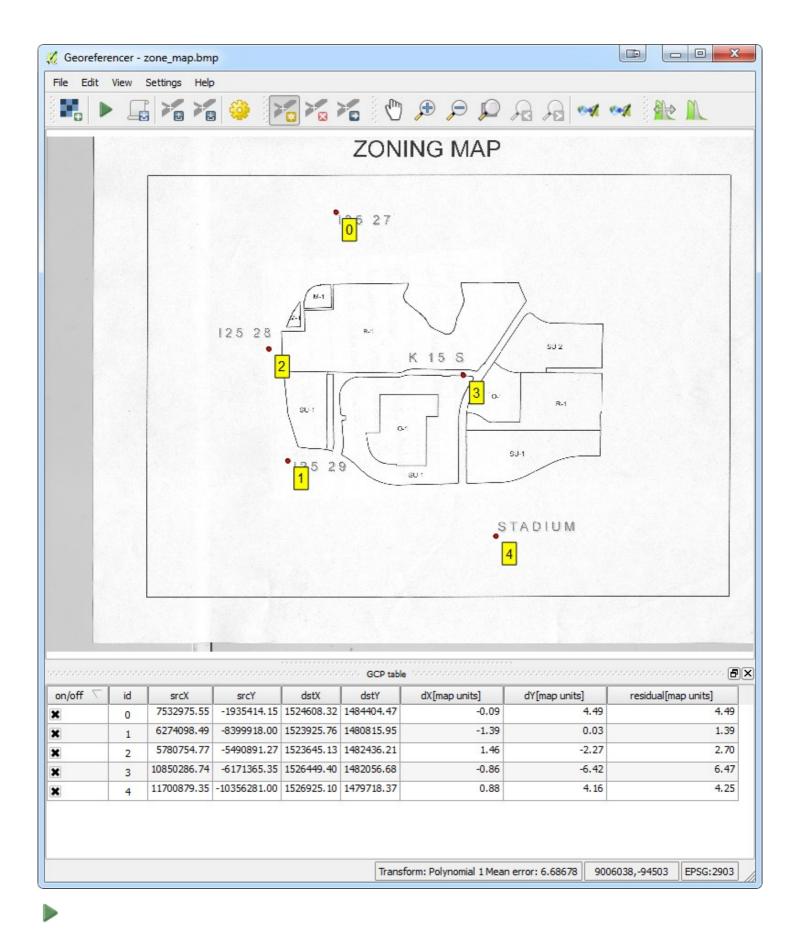


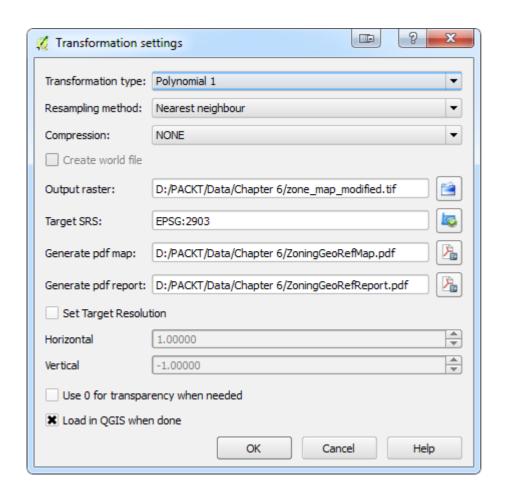


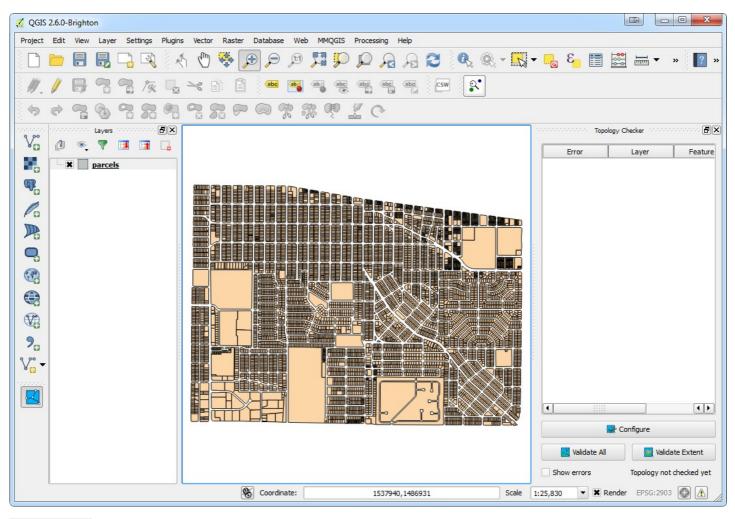




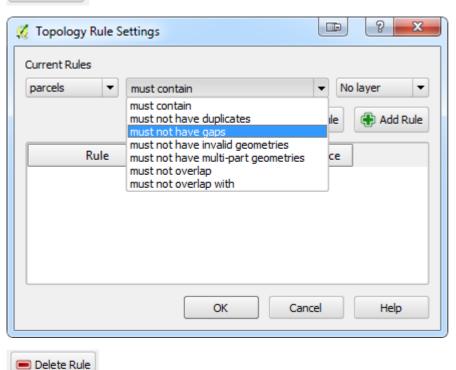


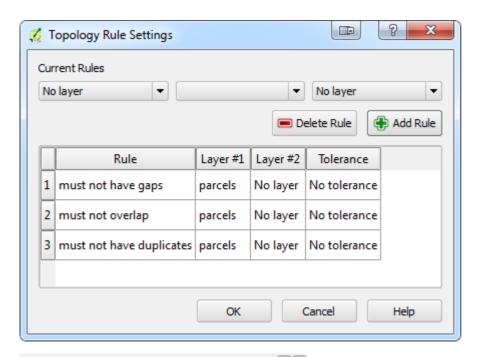


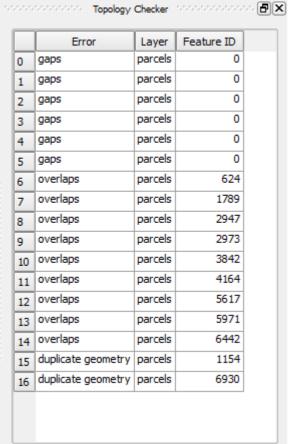






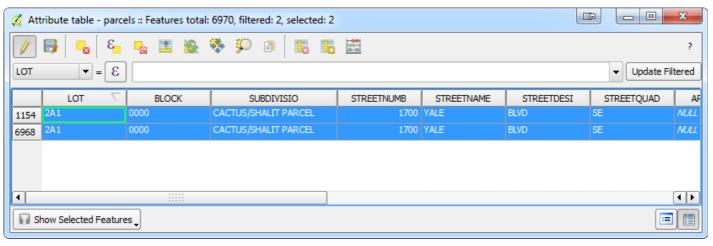




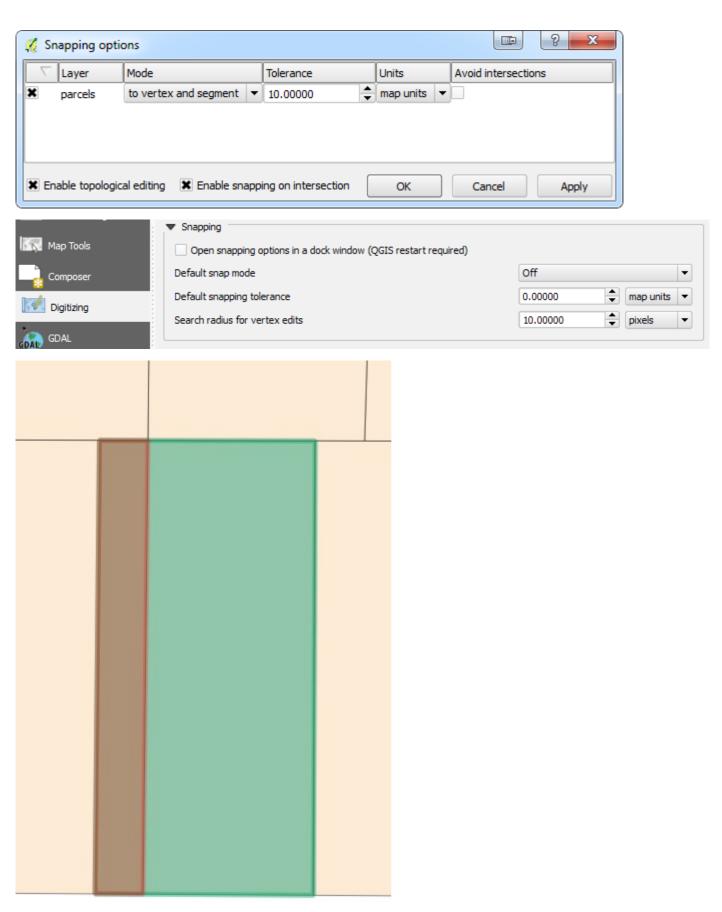






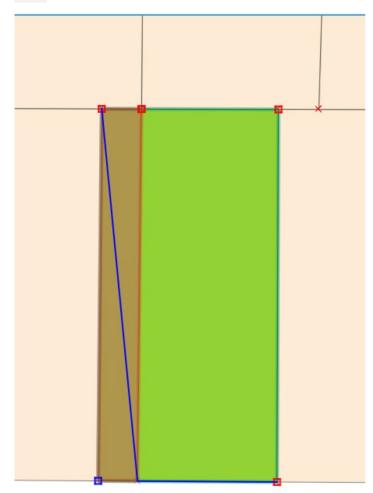




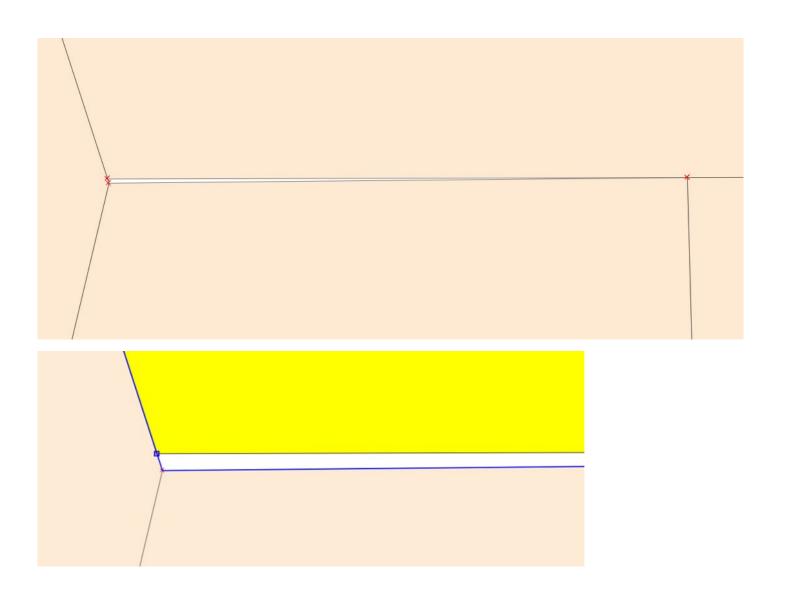


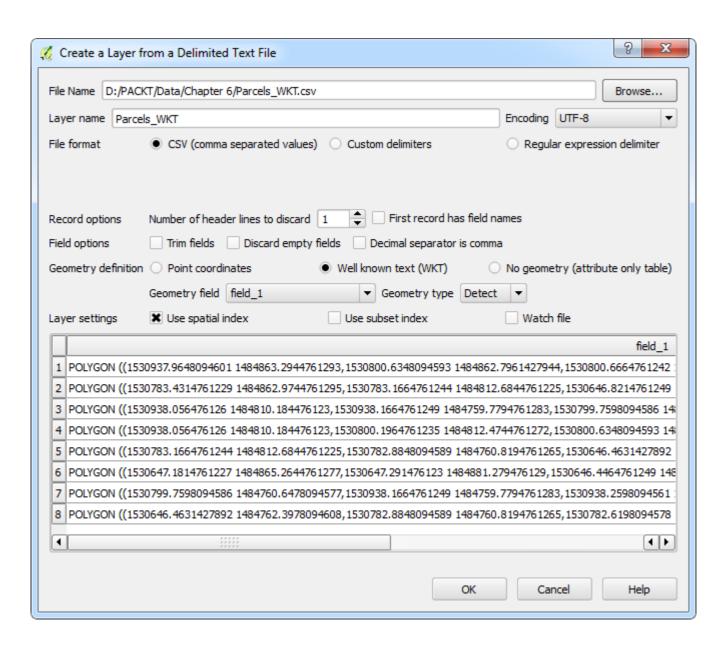


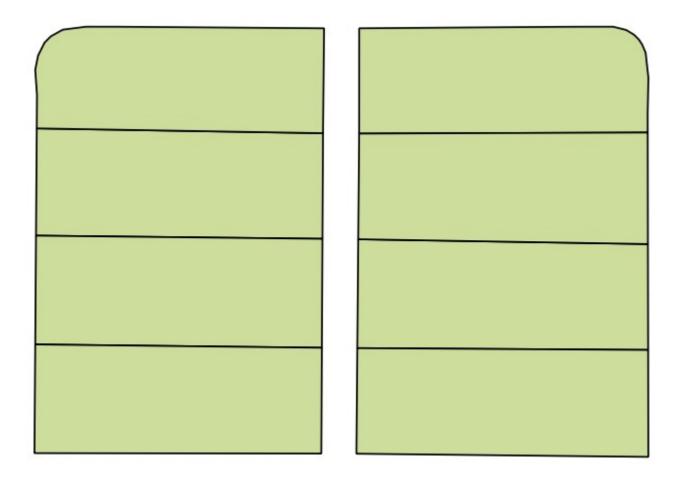


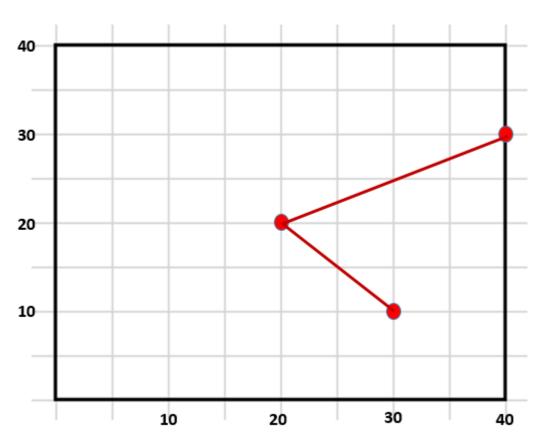




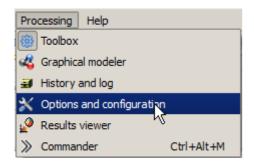


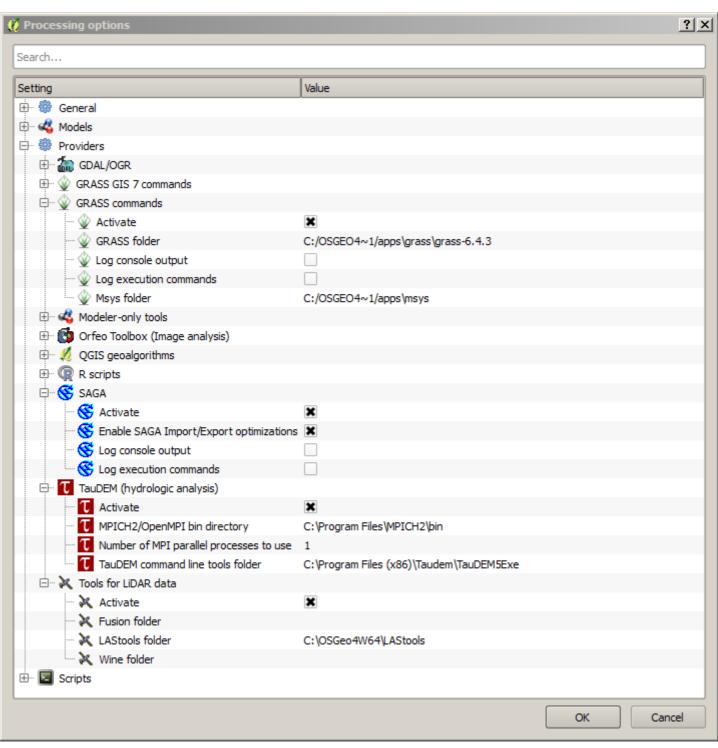


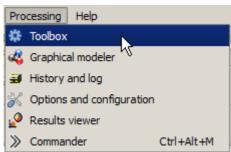




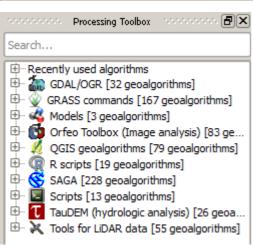
Chapter 7: The Processing Toolbox

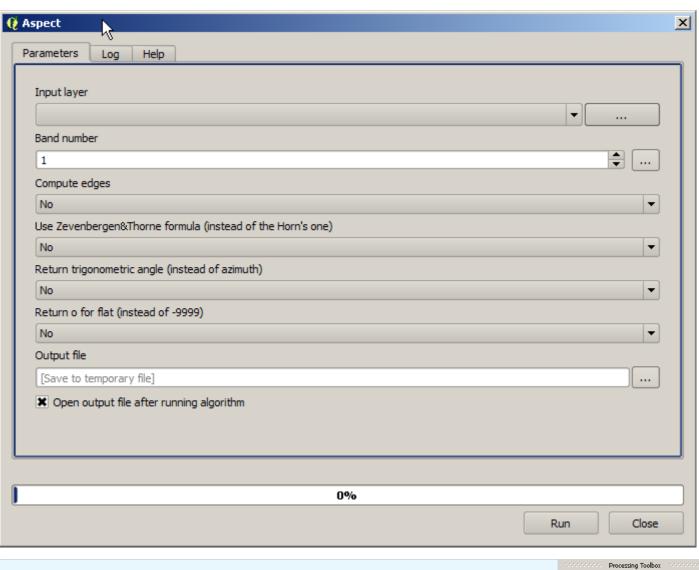


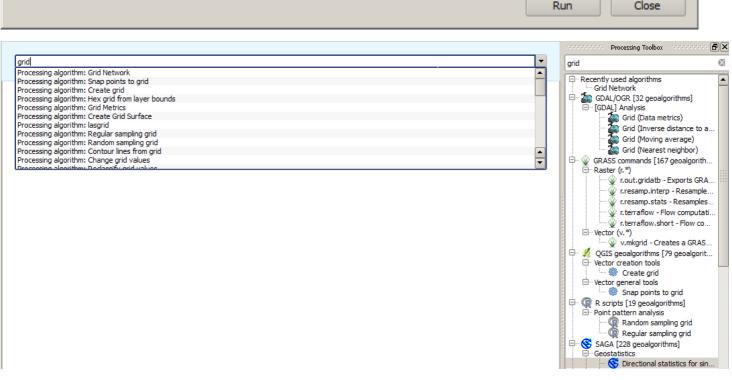


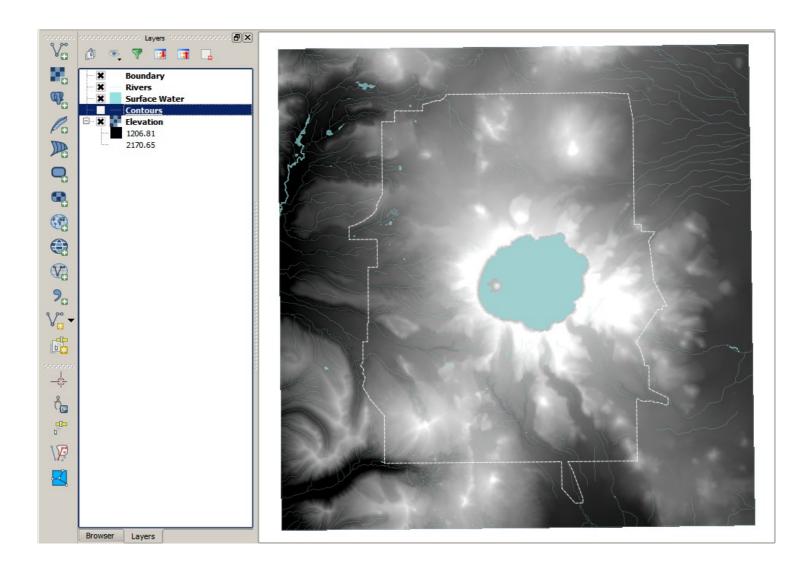


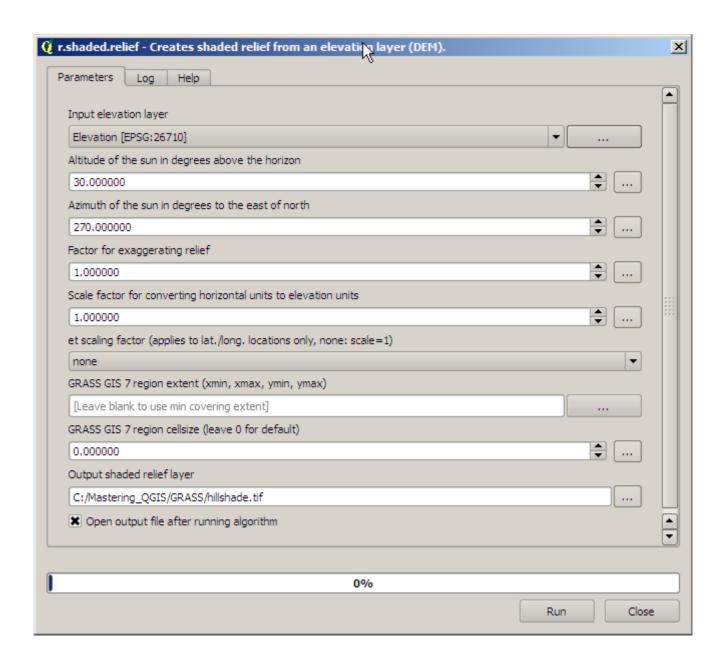


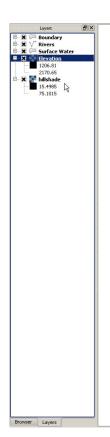


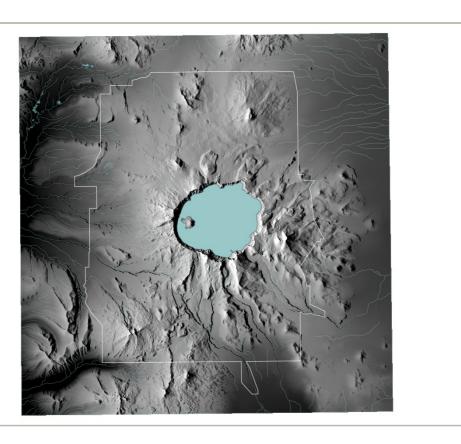


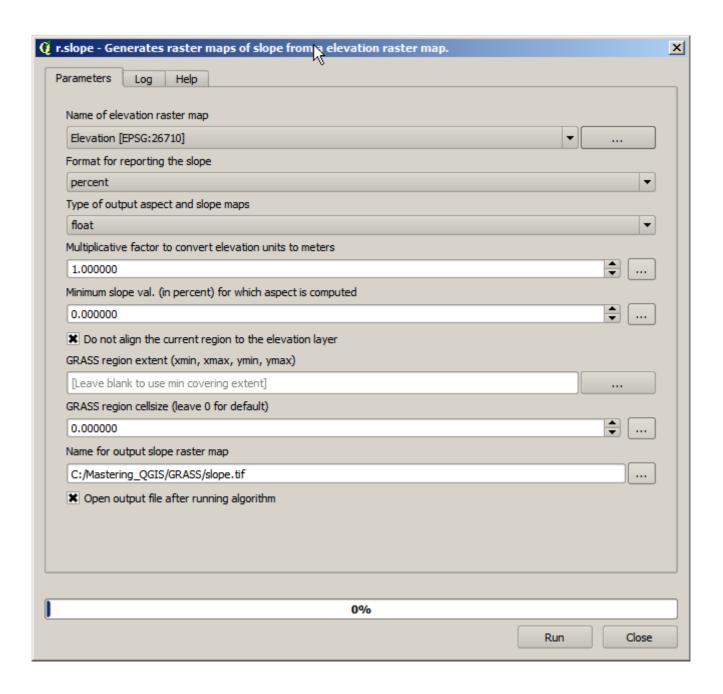


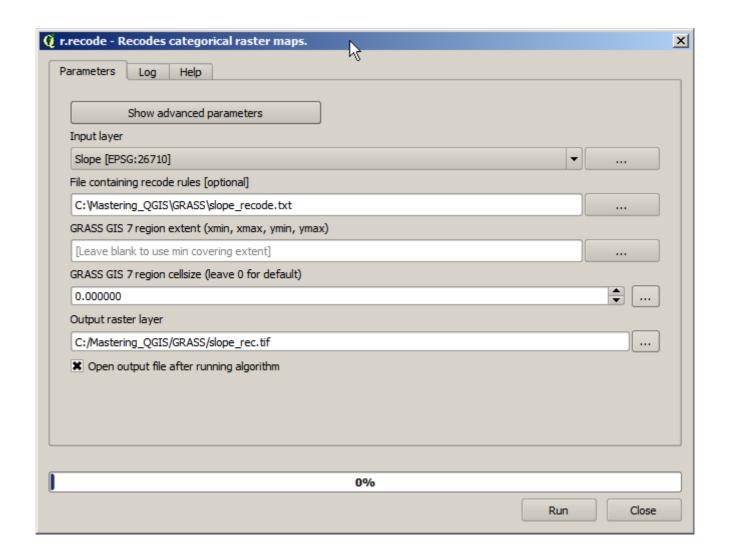


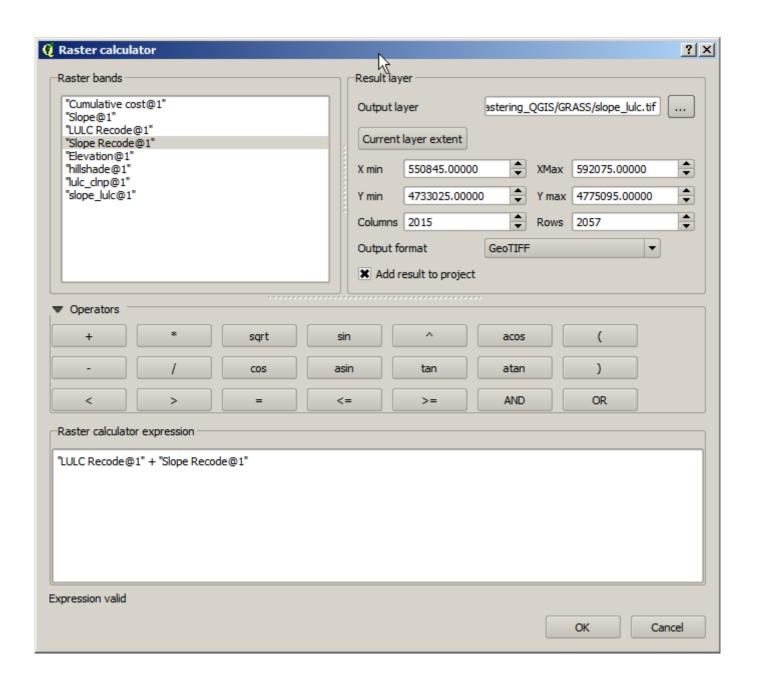


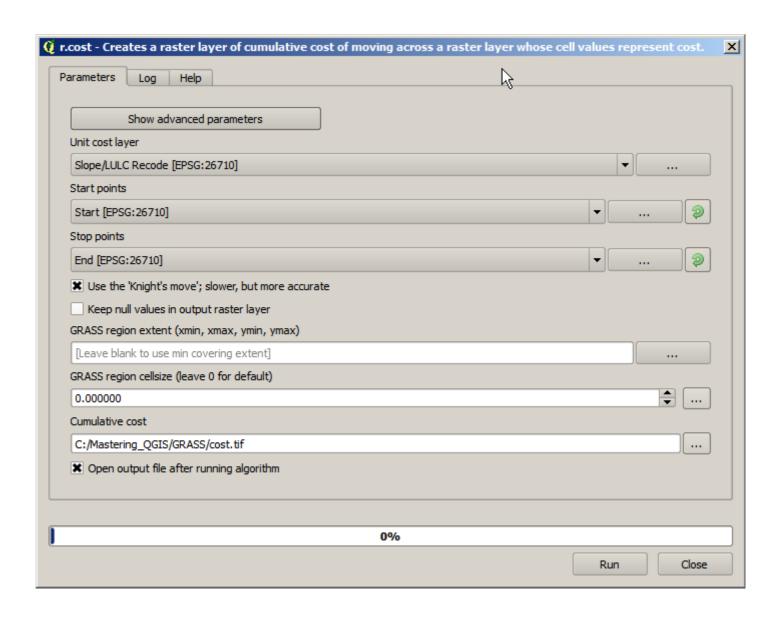


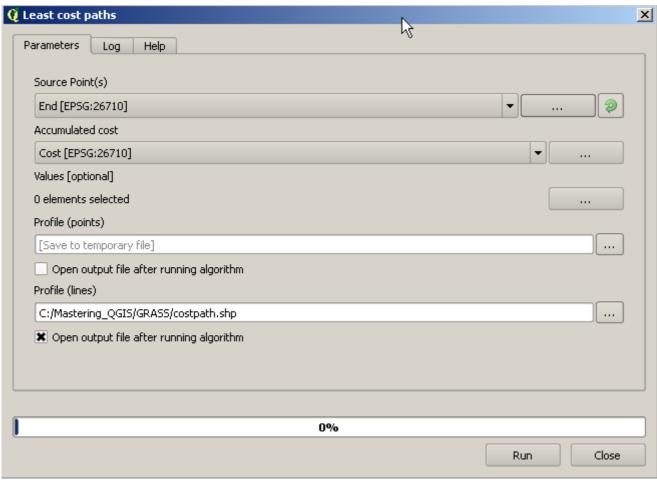


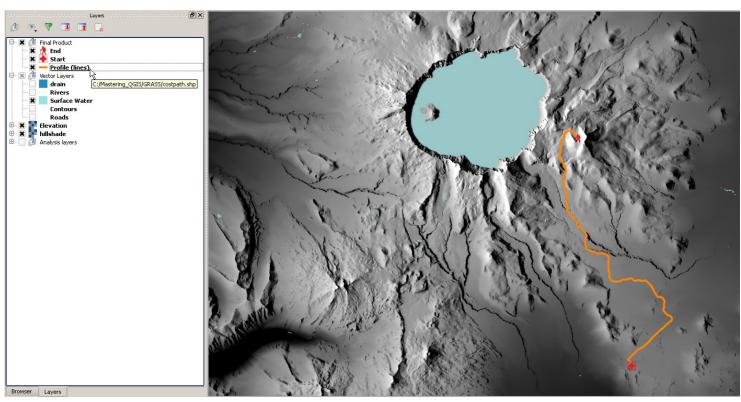


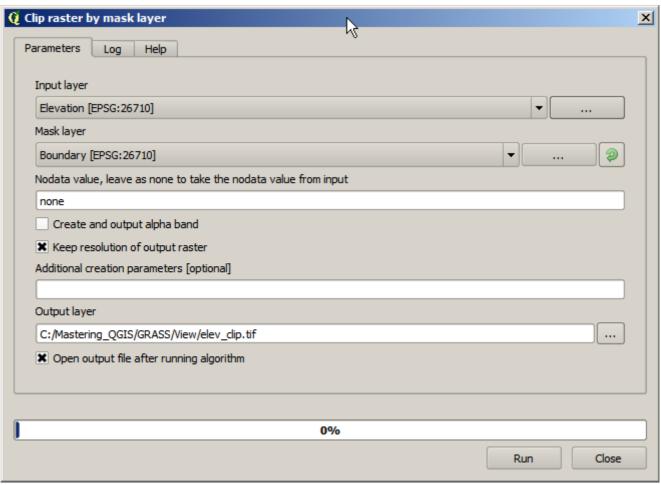


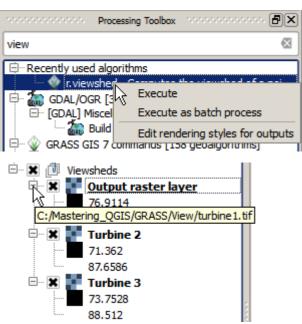


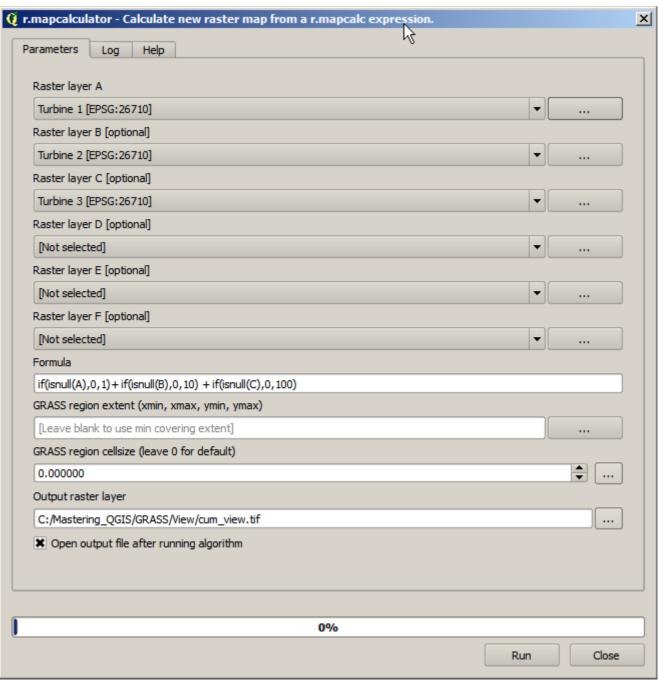


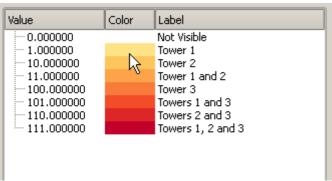








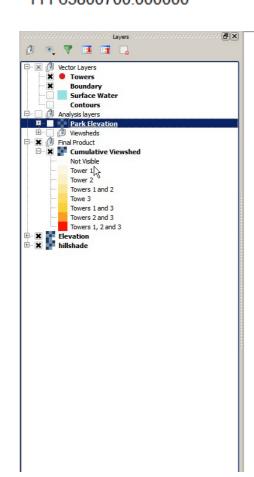


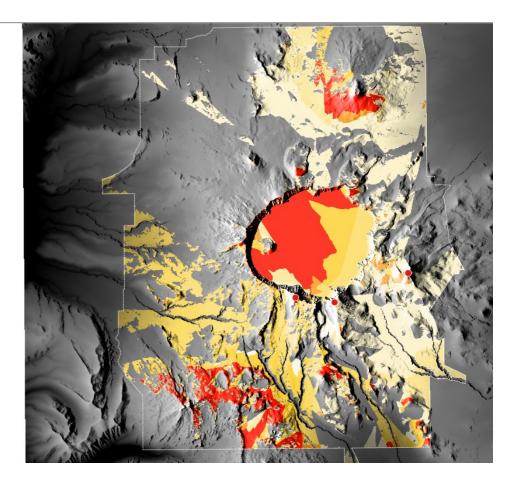


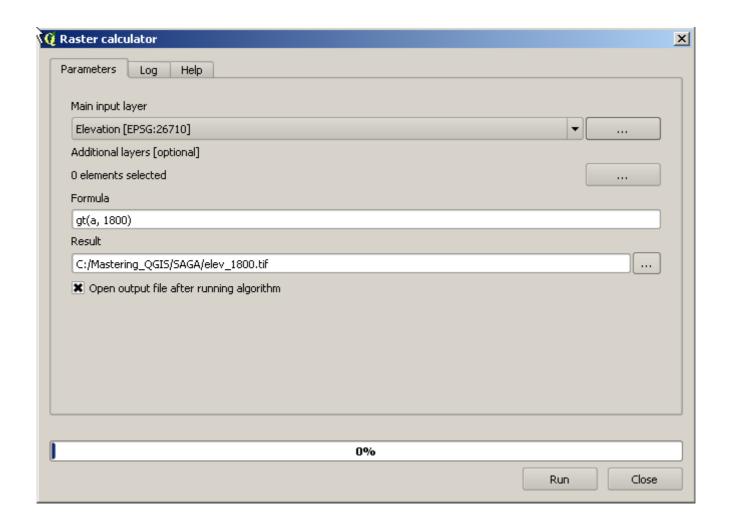


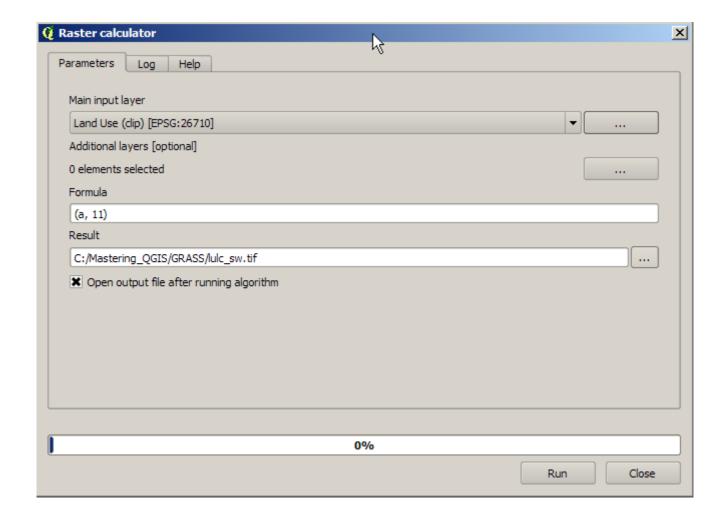
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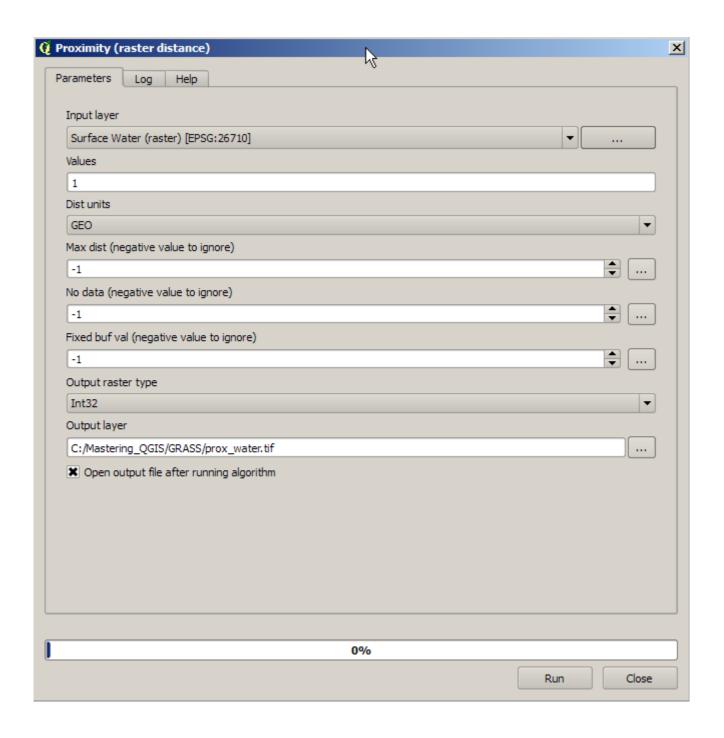
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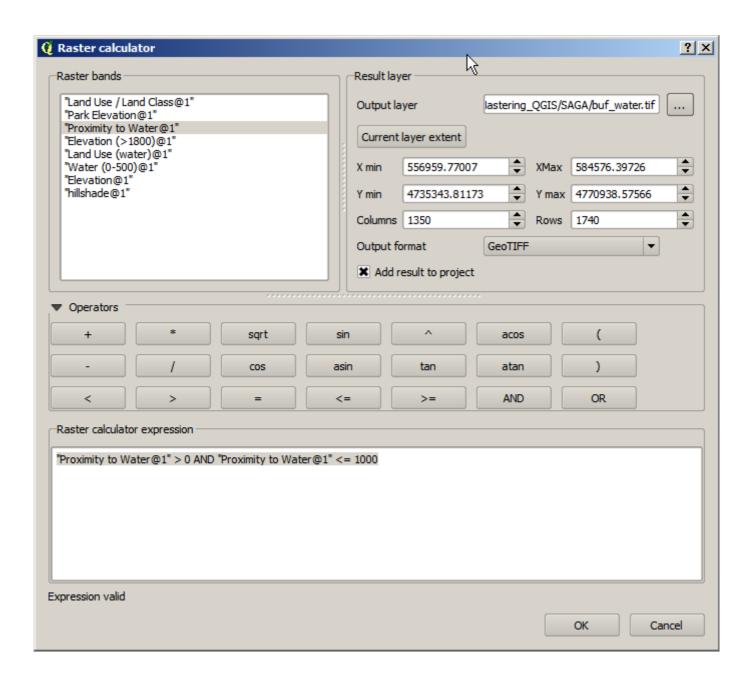


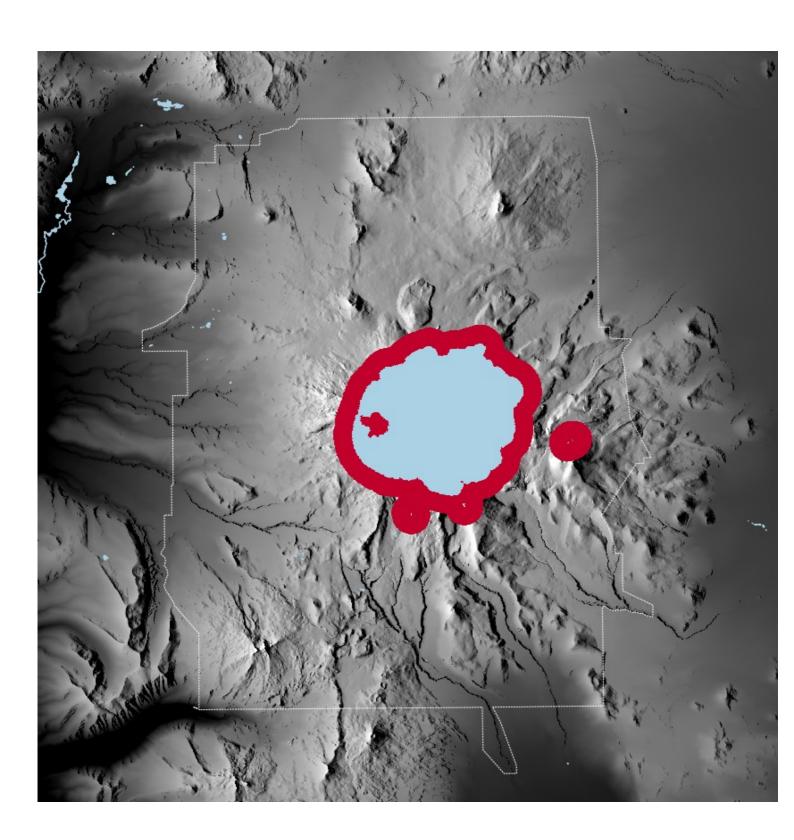




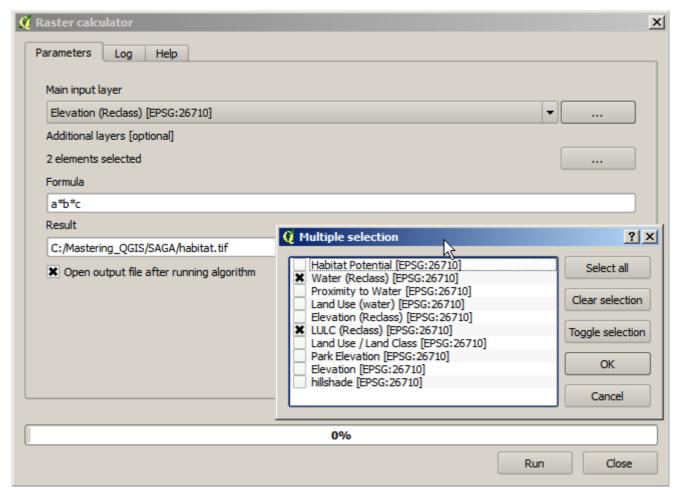


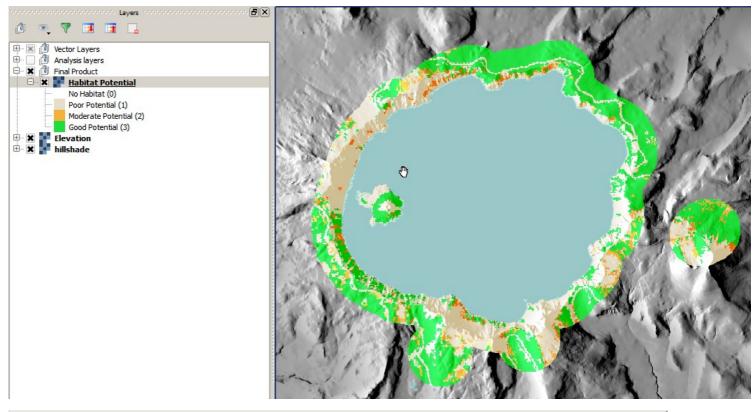


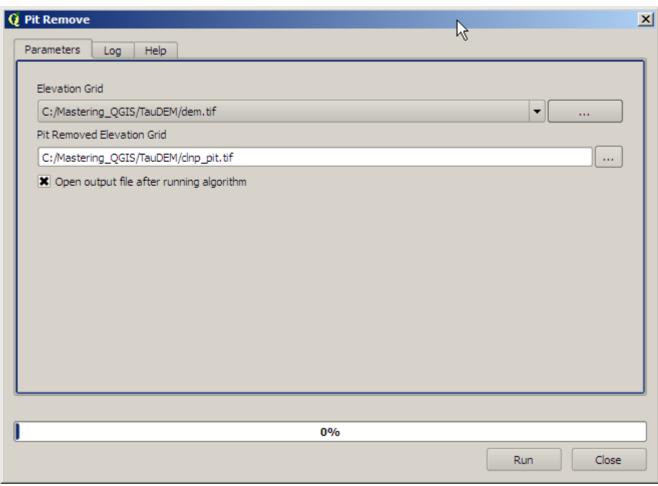


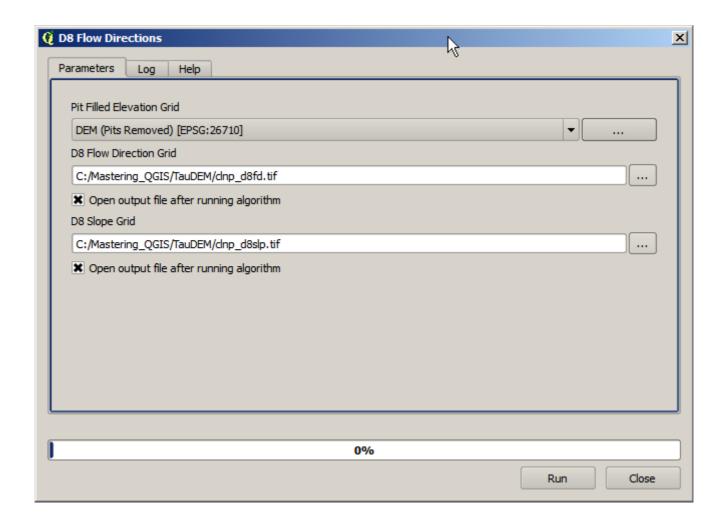


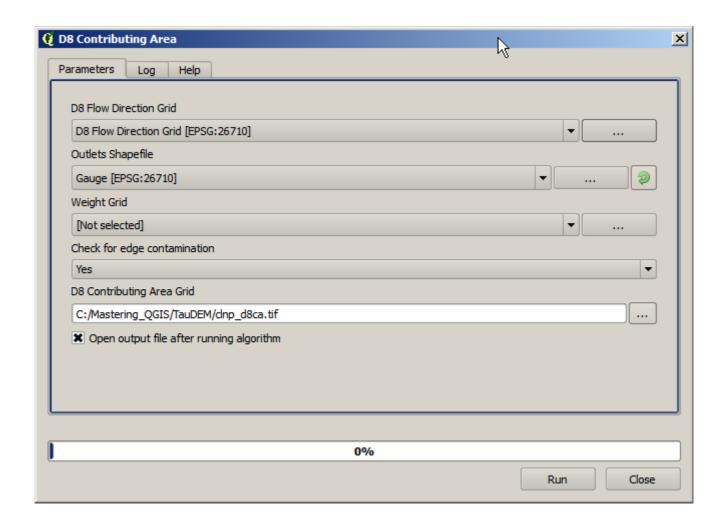
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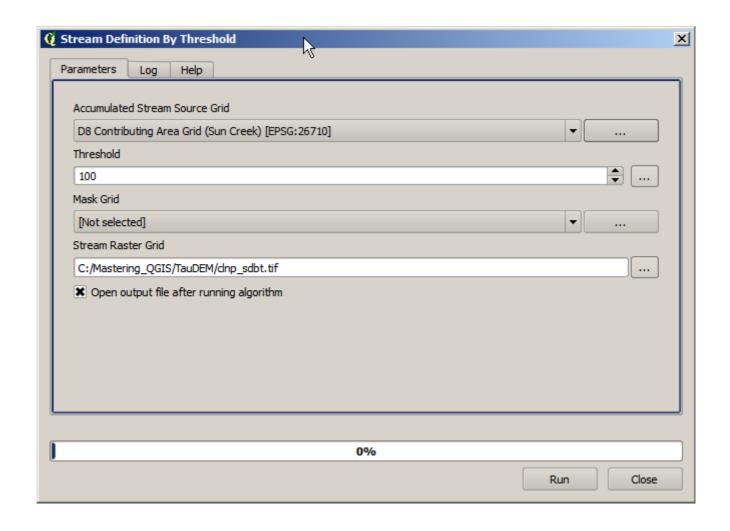


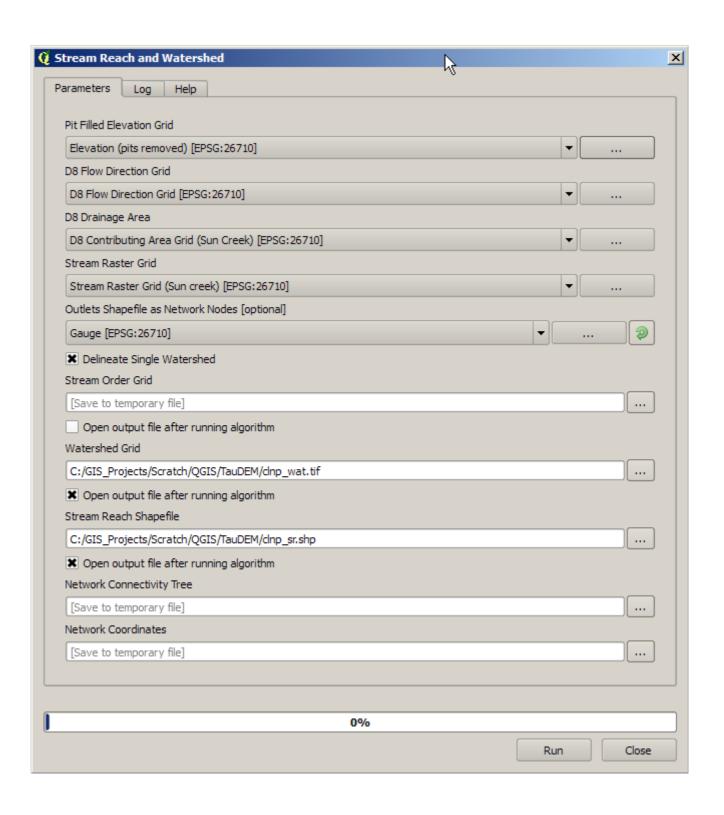


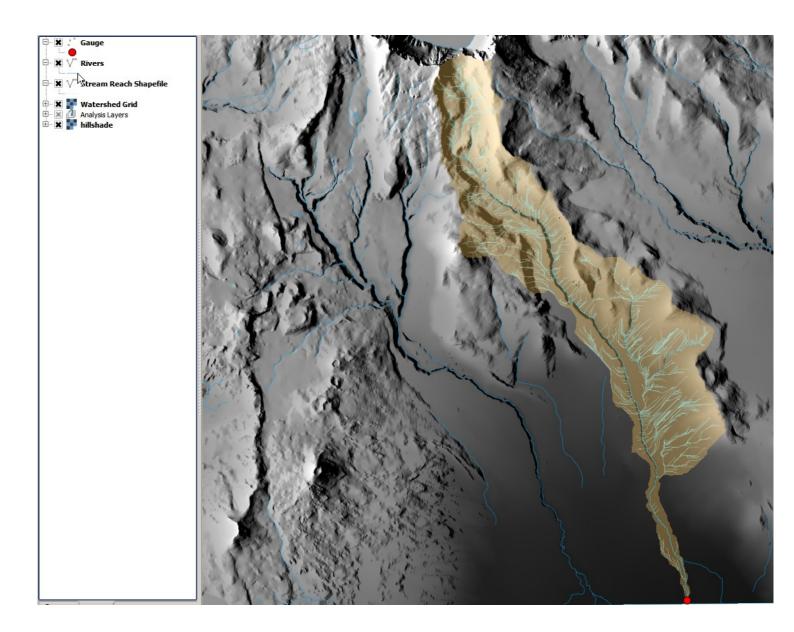


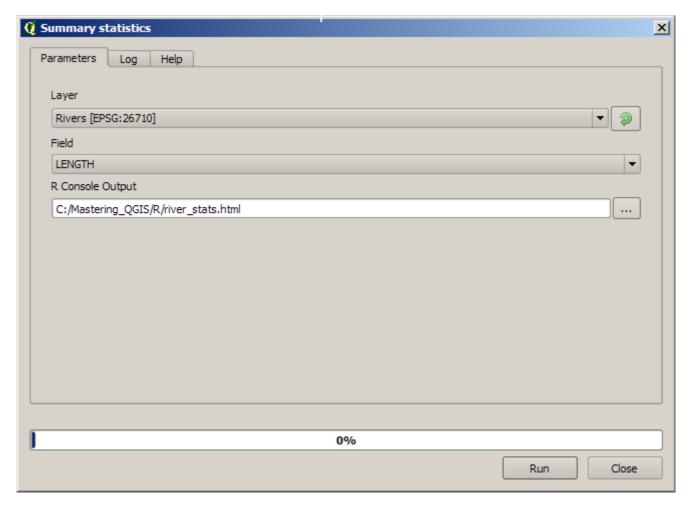












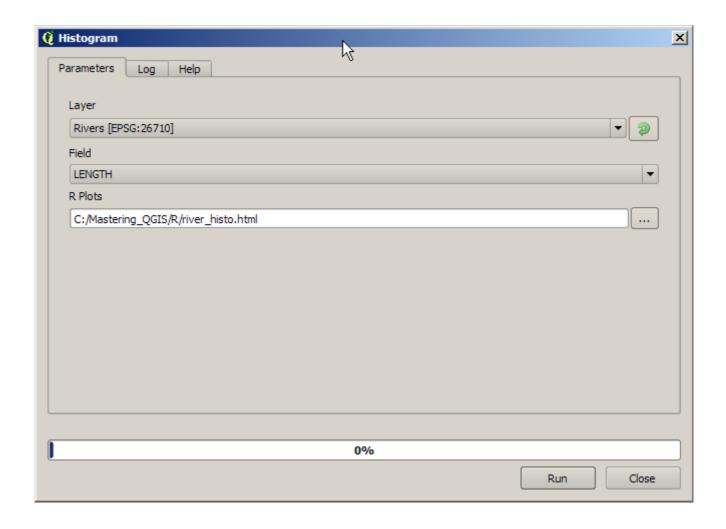
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LENGTH

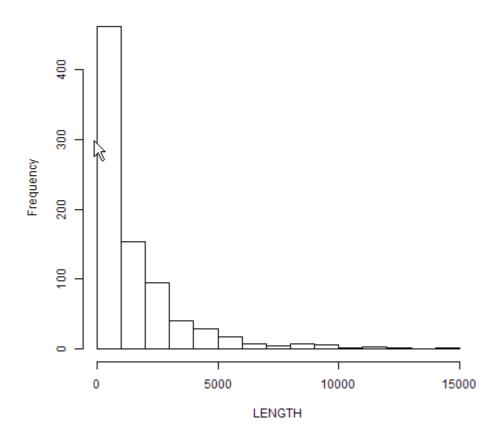
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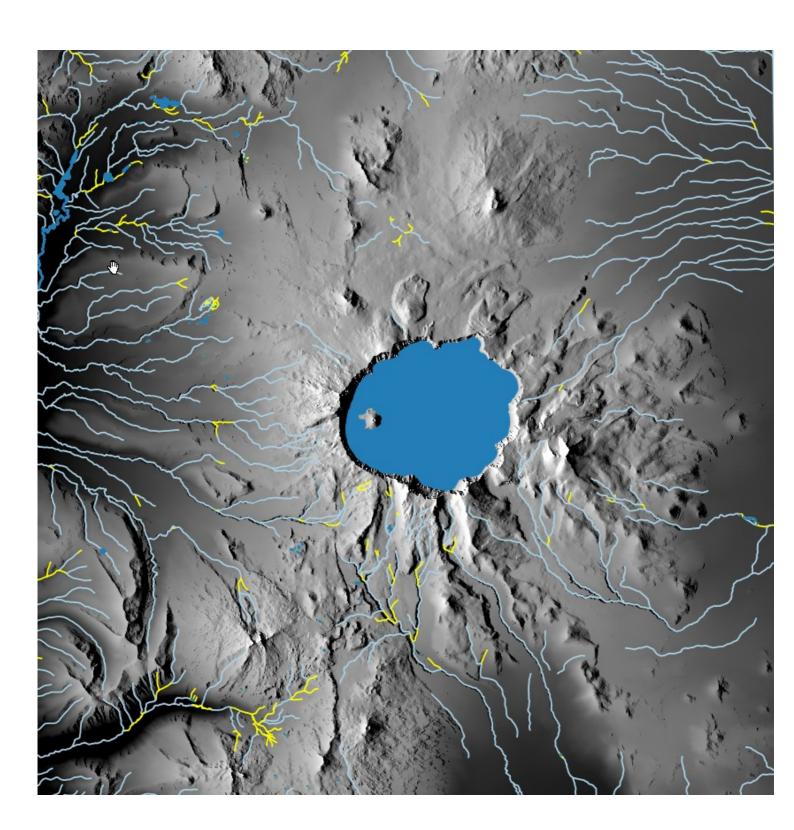
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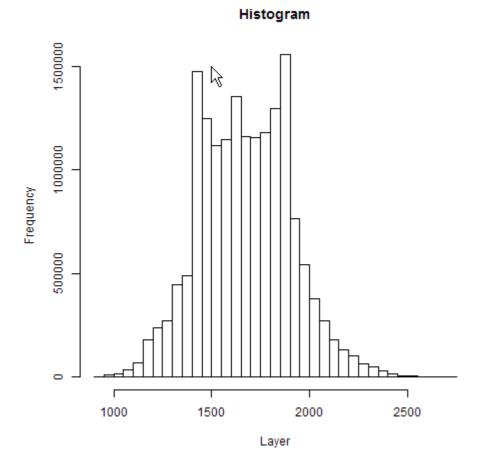
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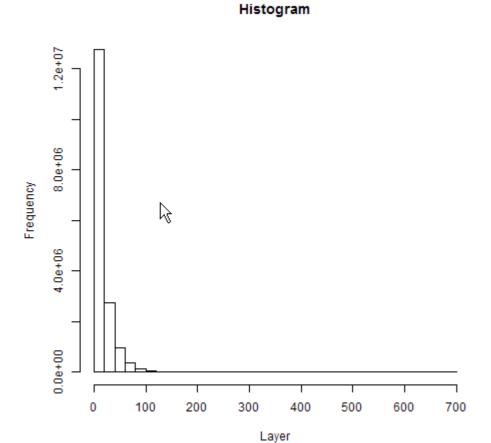


Histogram of LENGTH

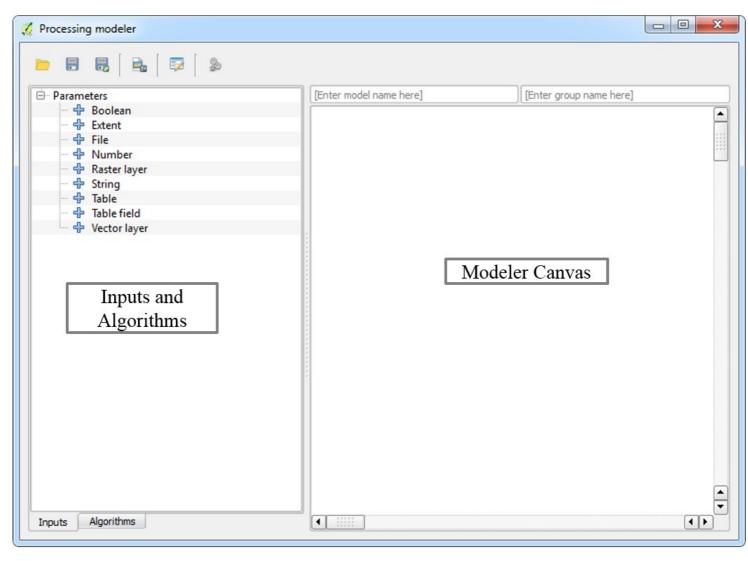


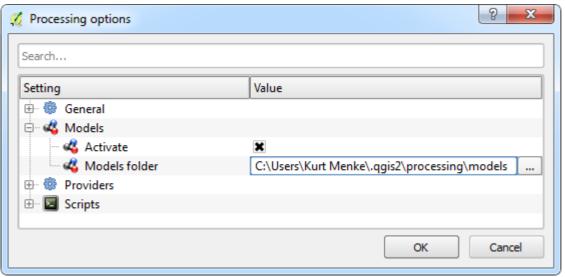


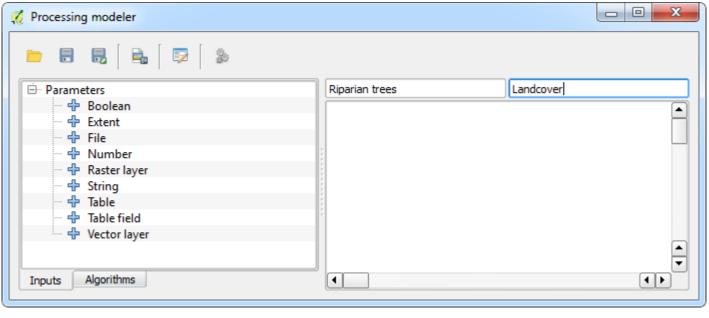


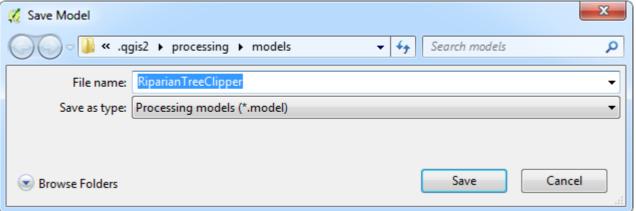


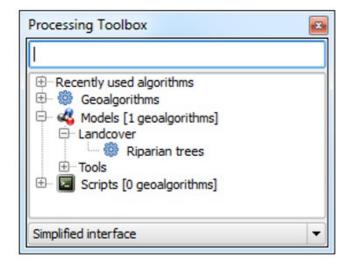
Chapter 8: Automating Workflows with the Graphical Modeler

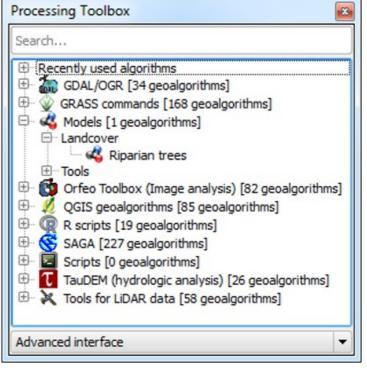


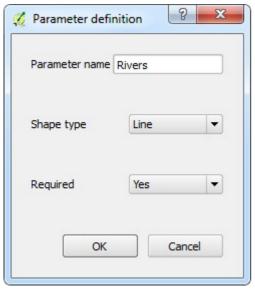


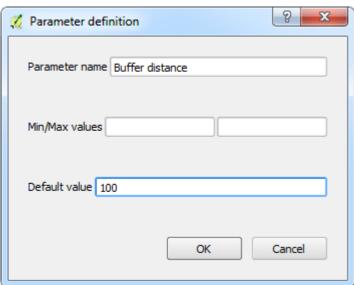


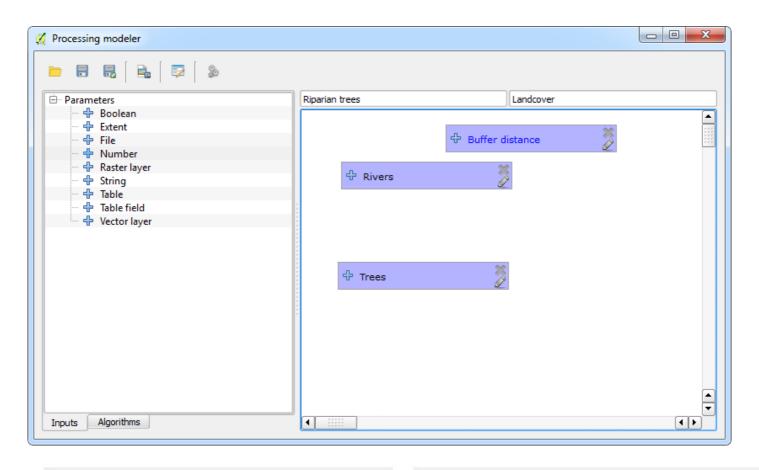


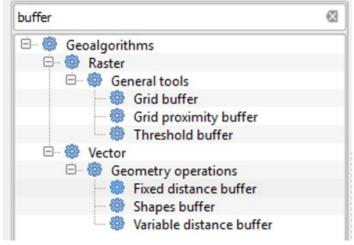


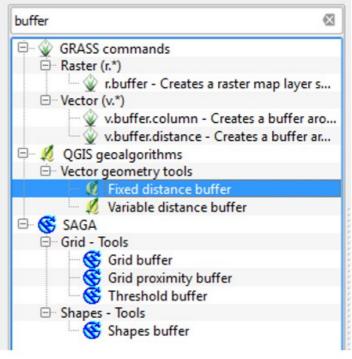


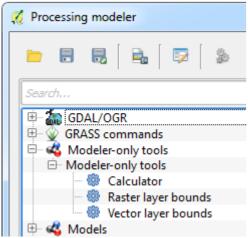


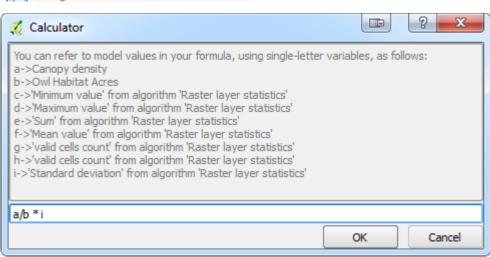


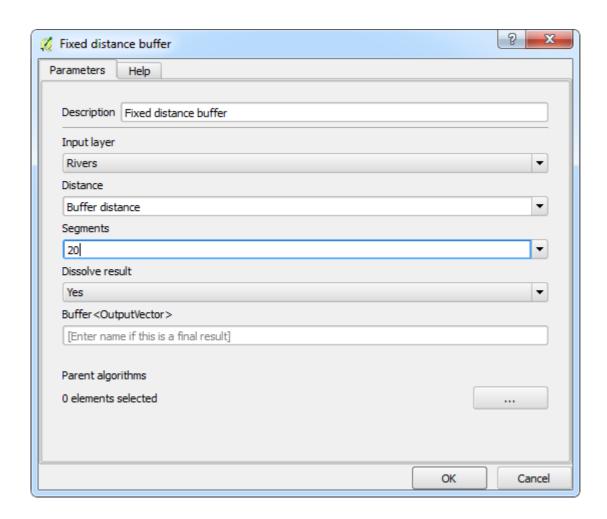


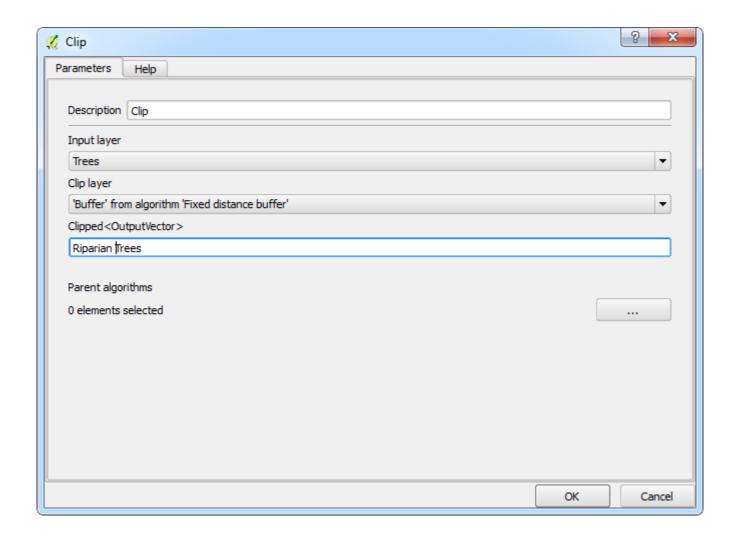


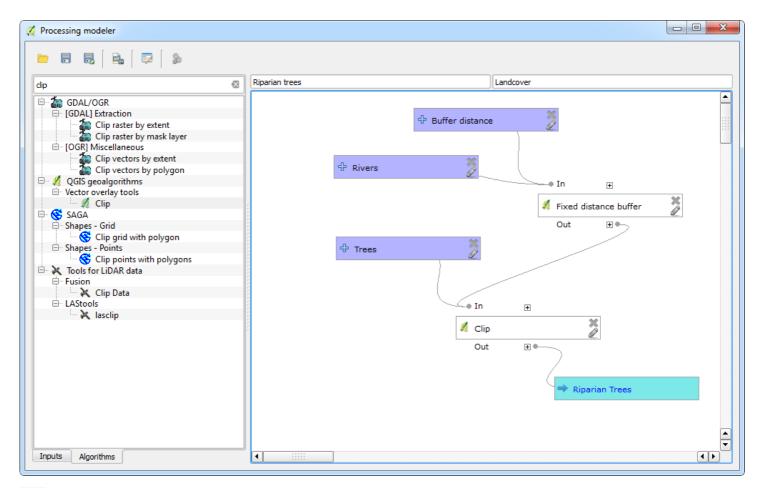




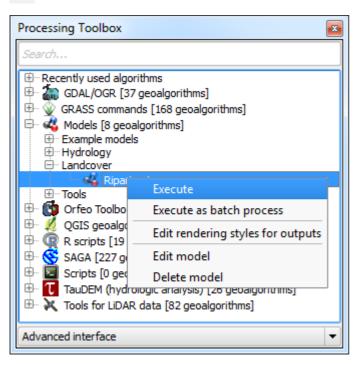




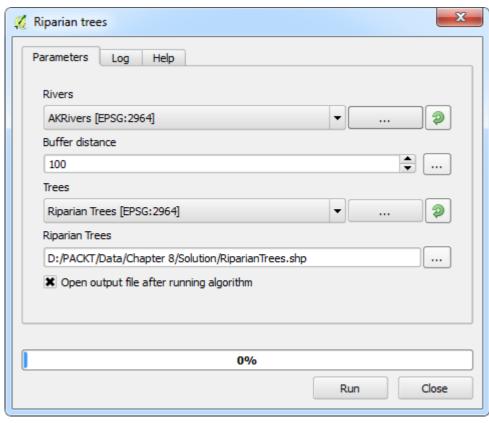


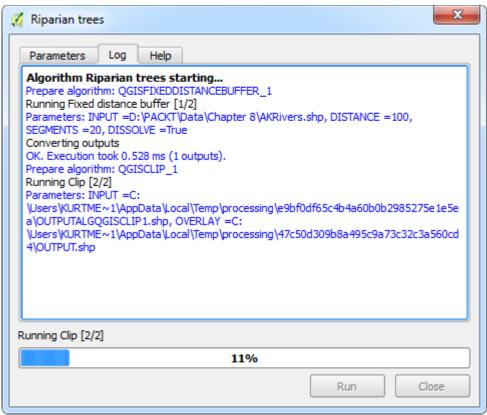


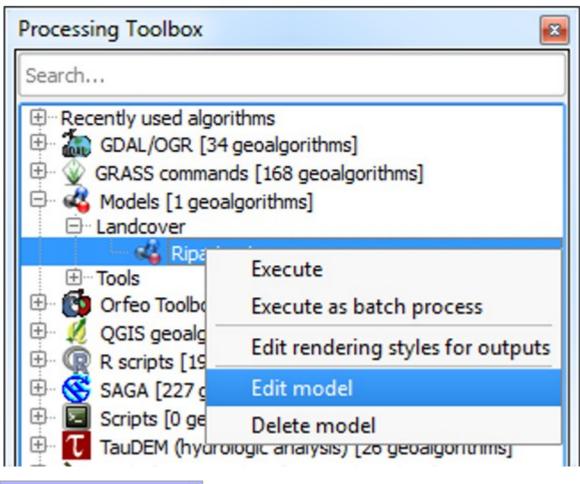


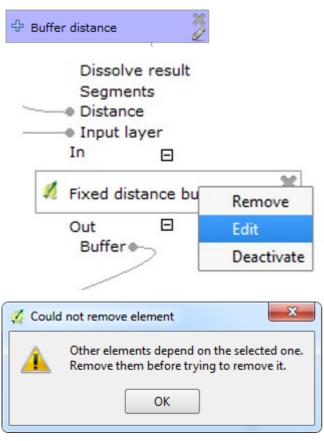


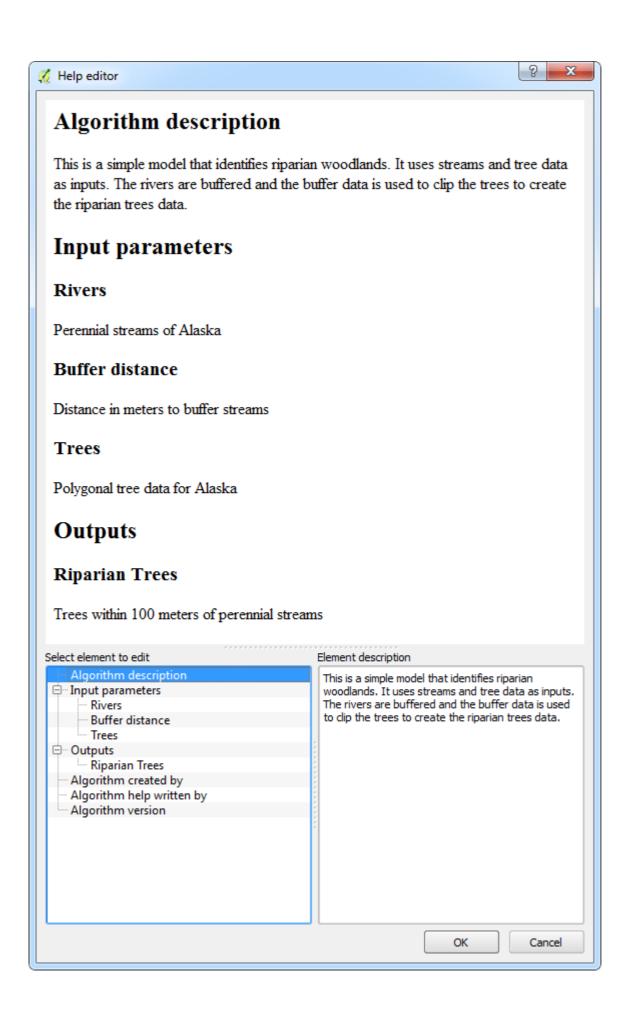
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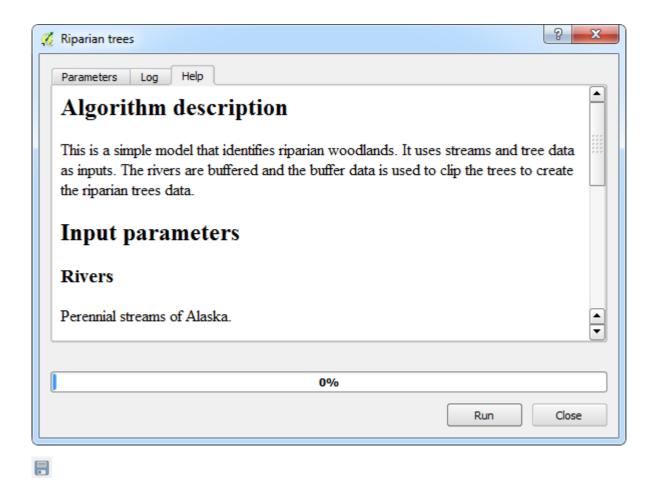


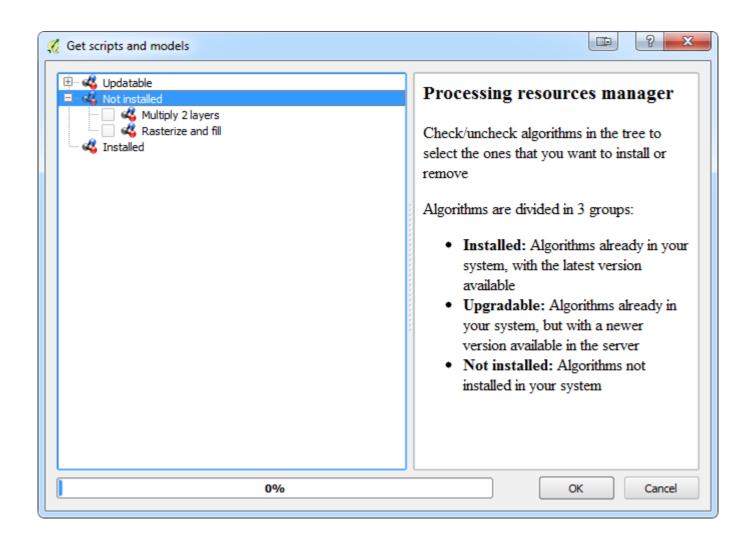


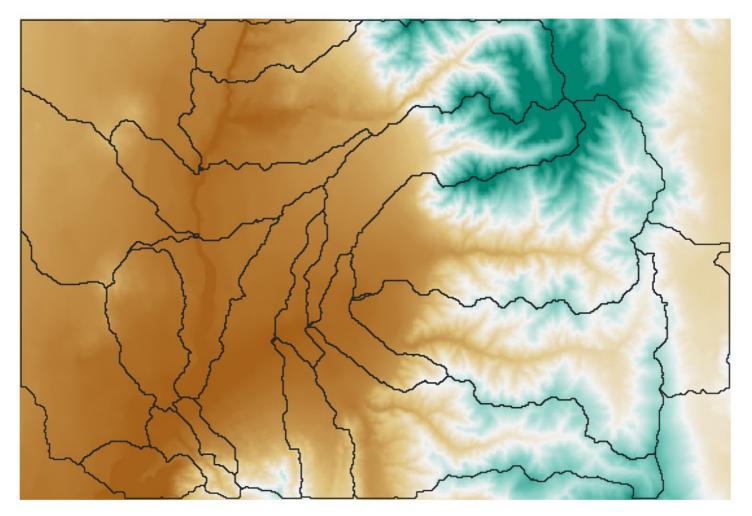


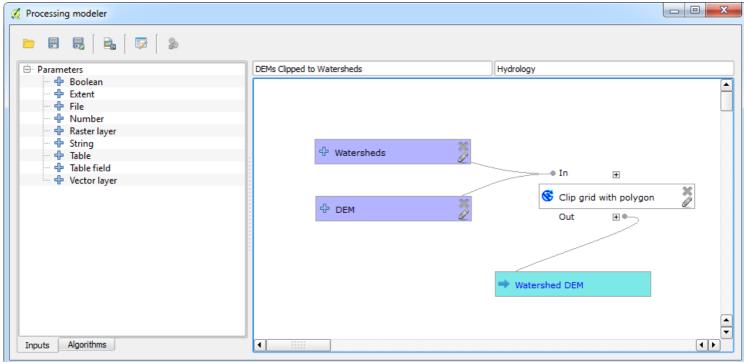


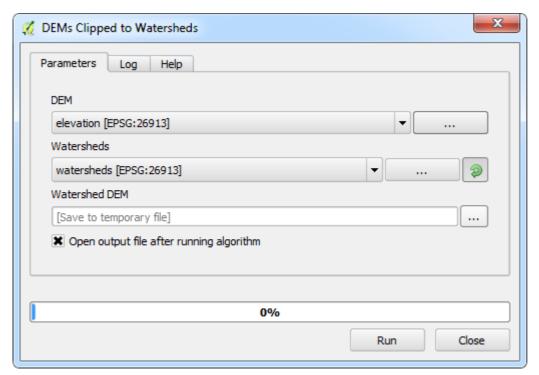


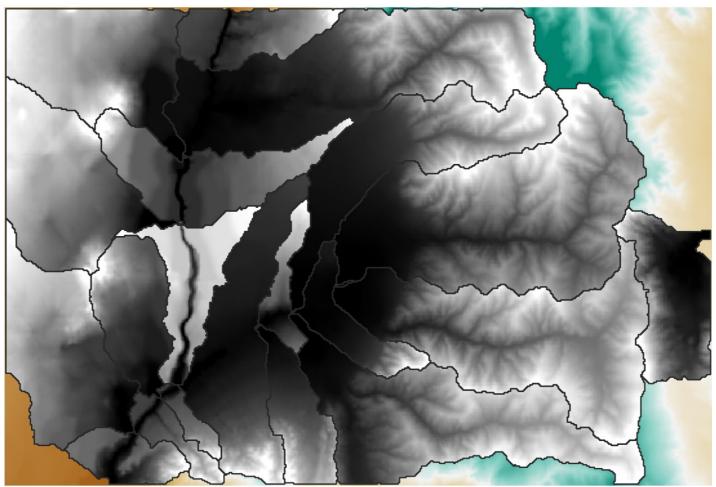


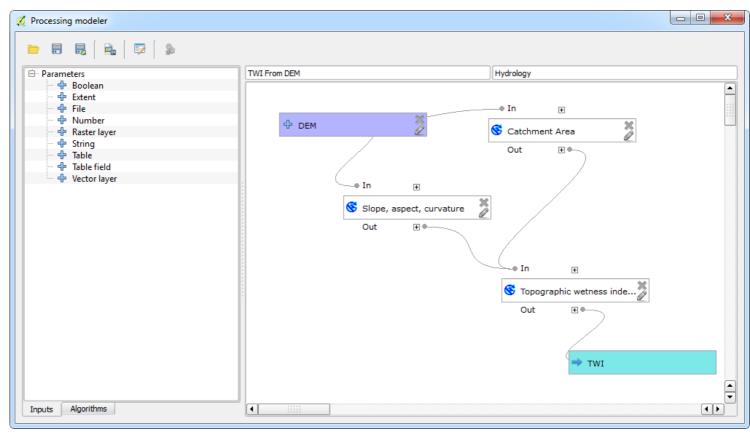


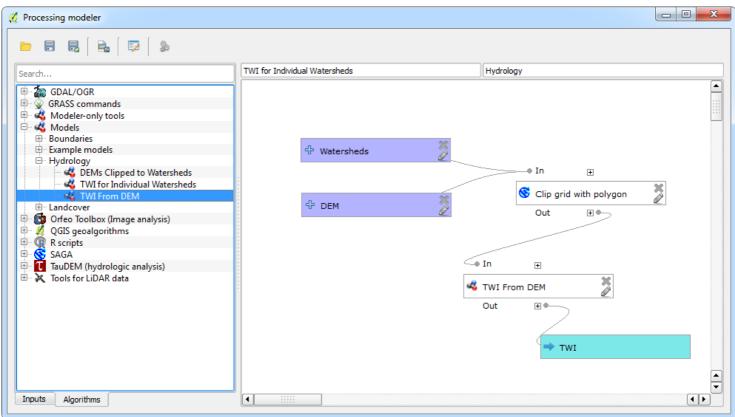


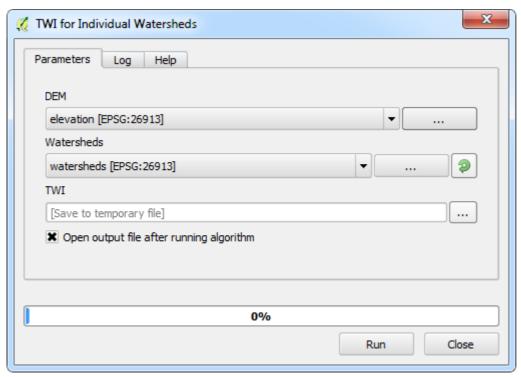


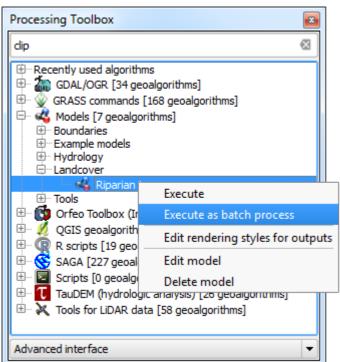


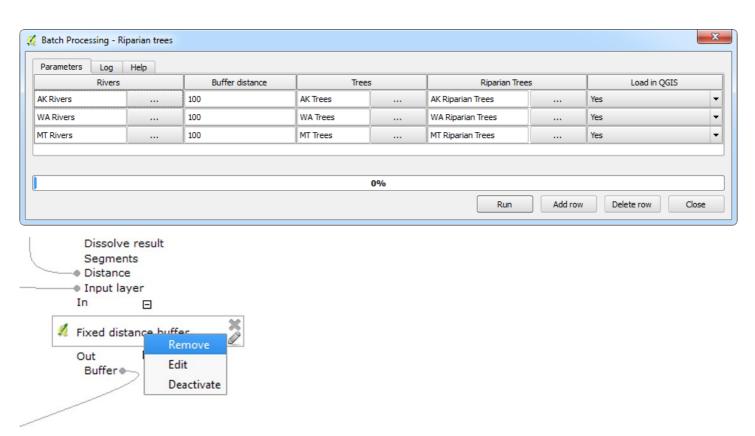


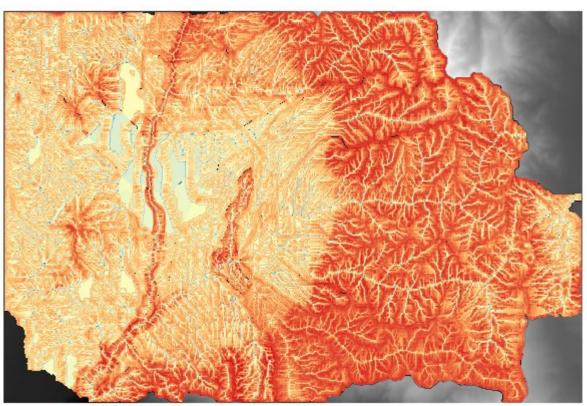




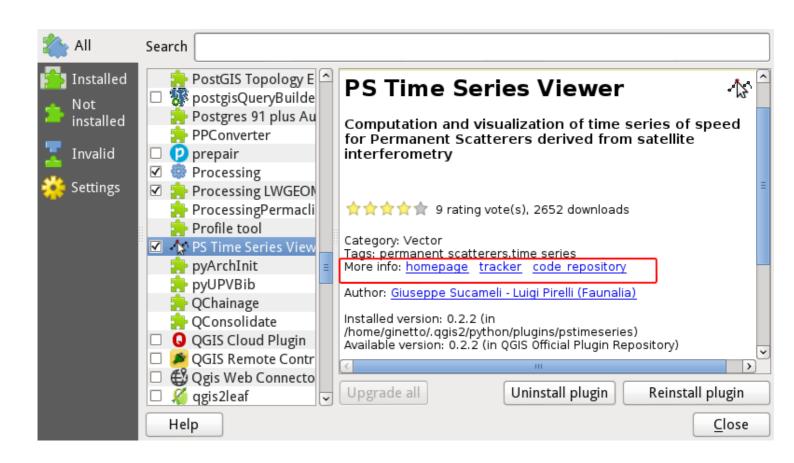




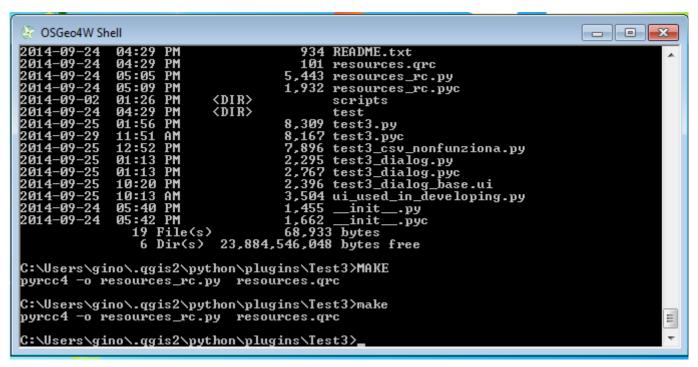


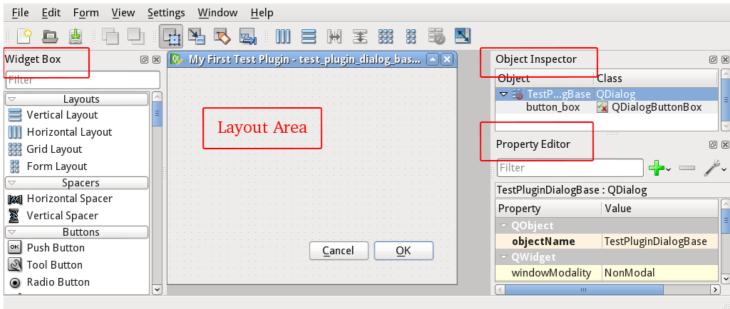


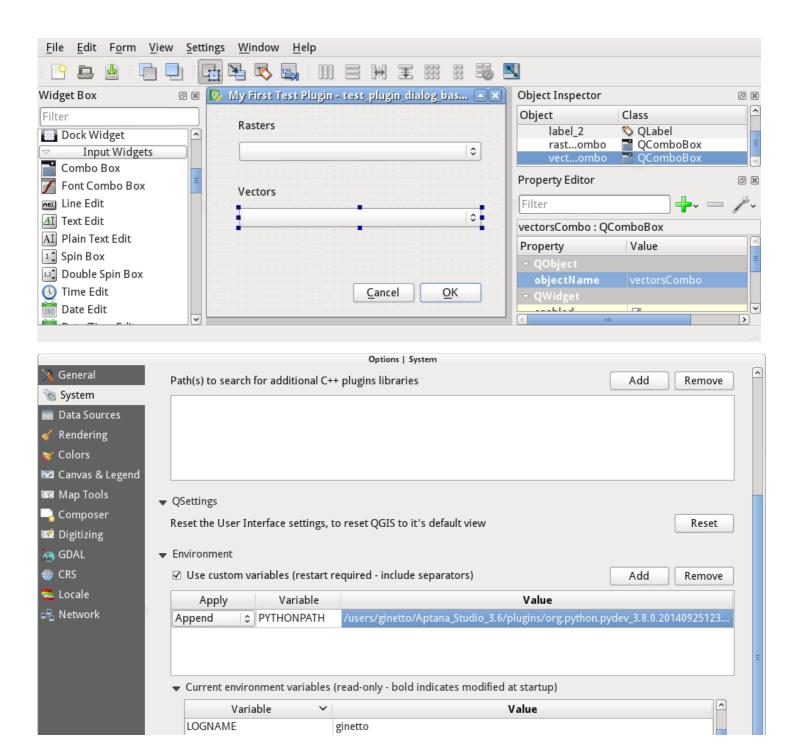
Chapter 9: Creating QGIS Plugins with PyQGIS and Problem Solving

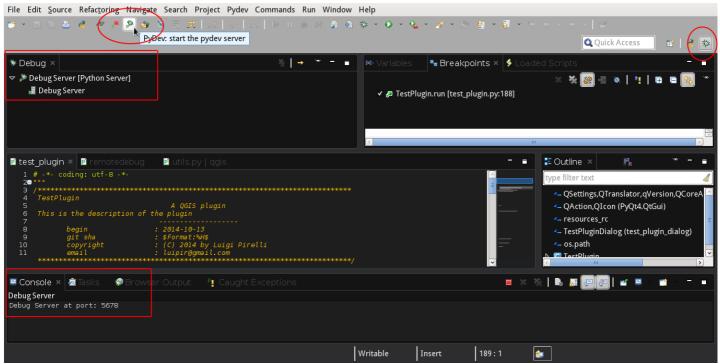


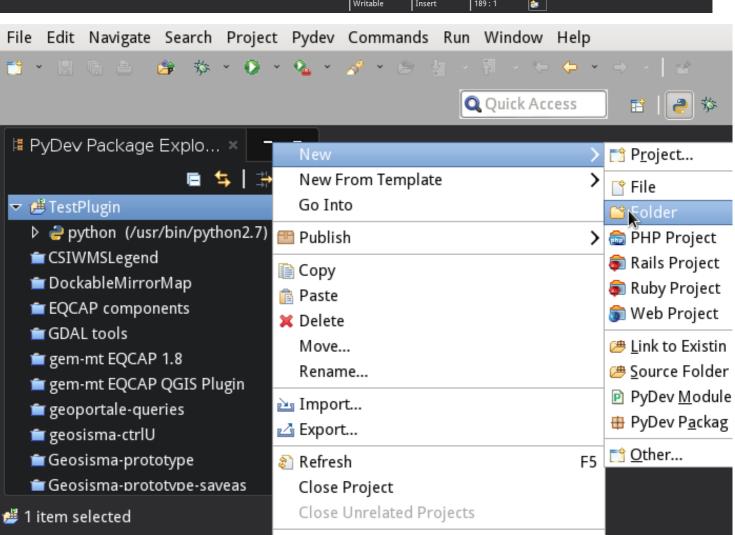
QGIS Plugin Builder	
Class name	e.g. PhotoLinker
Plugin name	e.g. Photo Linker
Description	e.g. This plugin links points to photos
Module name	e.g. photo_linker
Version number	0.1
Minimum QGIS version	2.0
Text for the menu item	e.g. Link photos to points
Author/Company	e.g. Acme widgets Inc.
Email address	e.g. bill@gates.com
Optional Items	
Bug tracker	
Home page	
Repository	
Tags	
☐ Flag the plugin as exper	imental
Help	<u>C</u> ancel <u>O</u> K







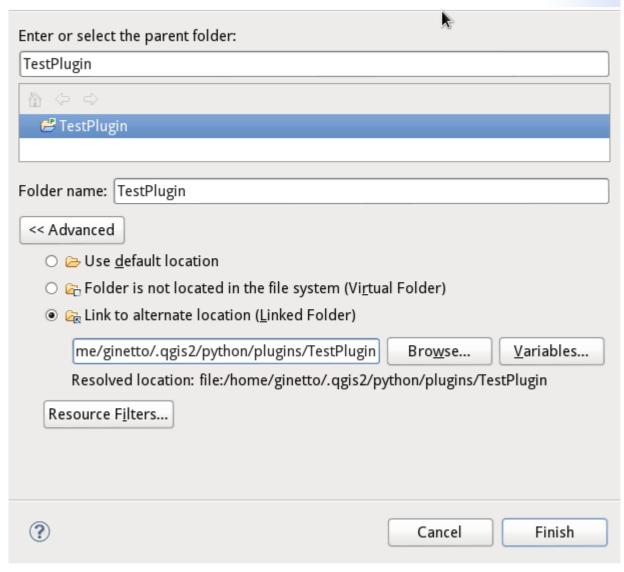


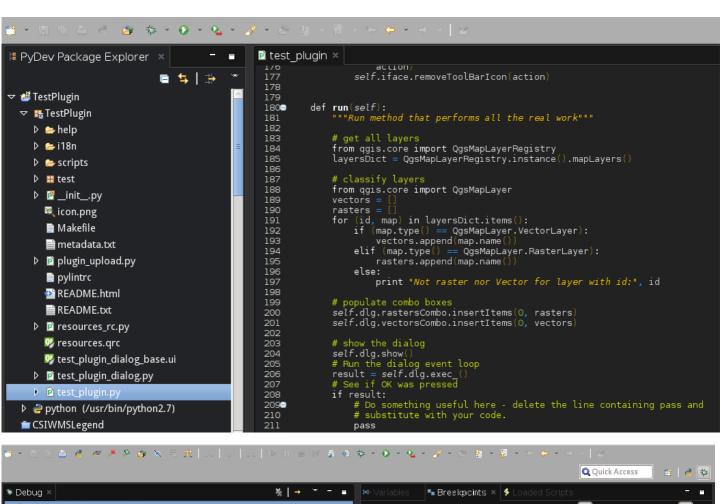


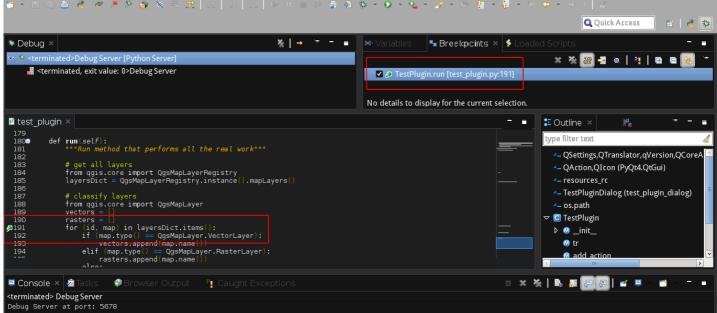
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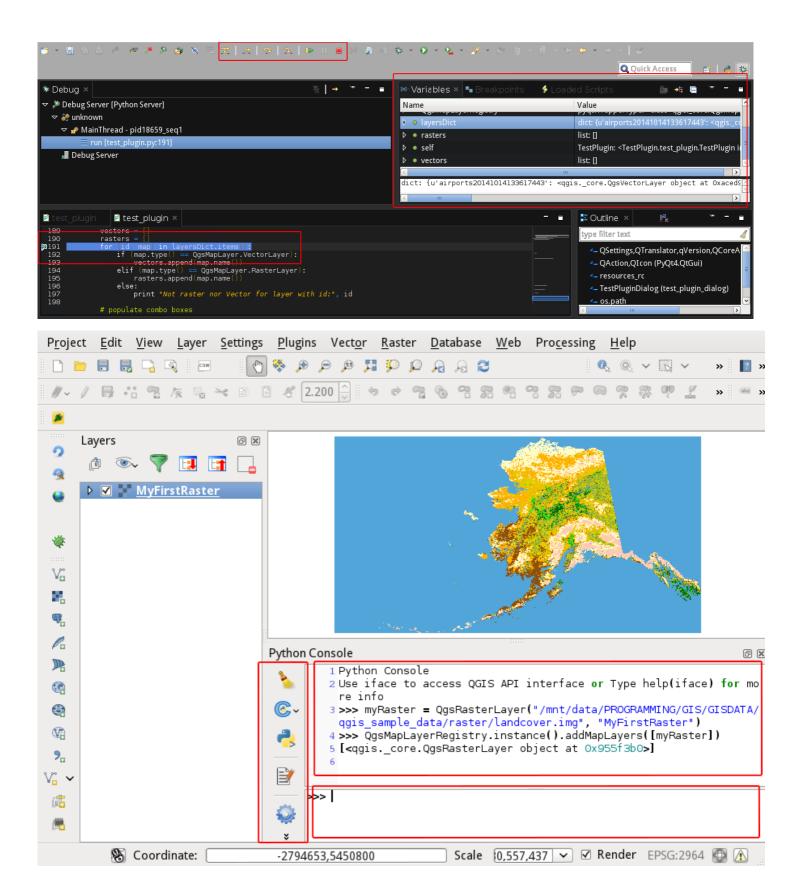
Create a new folder resource.





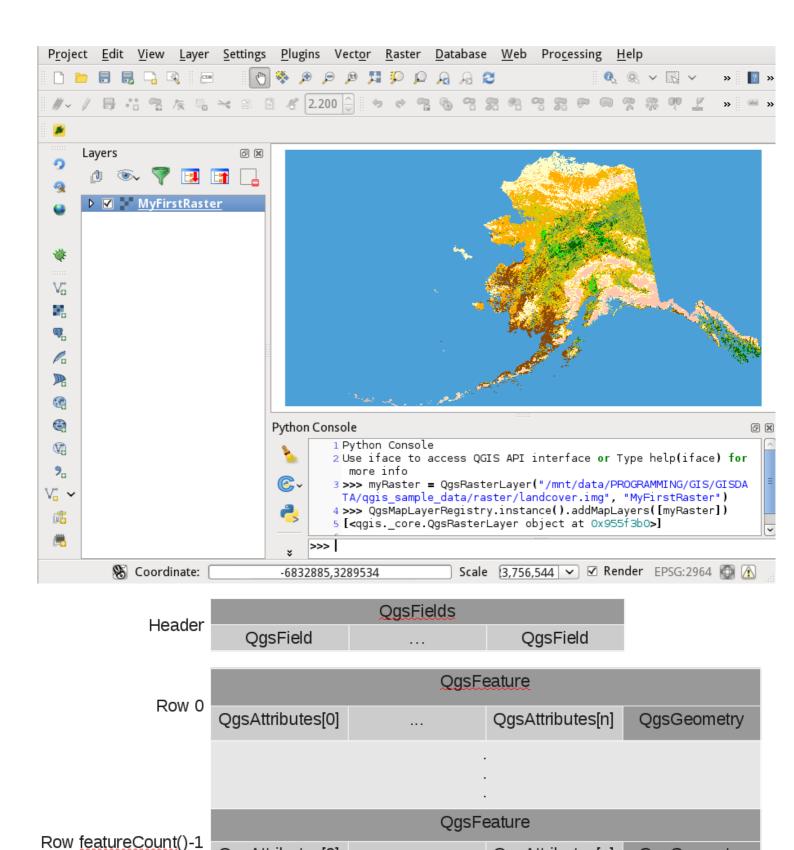








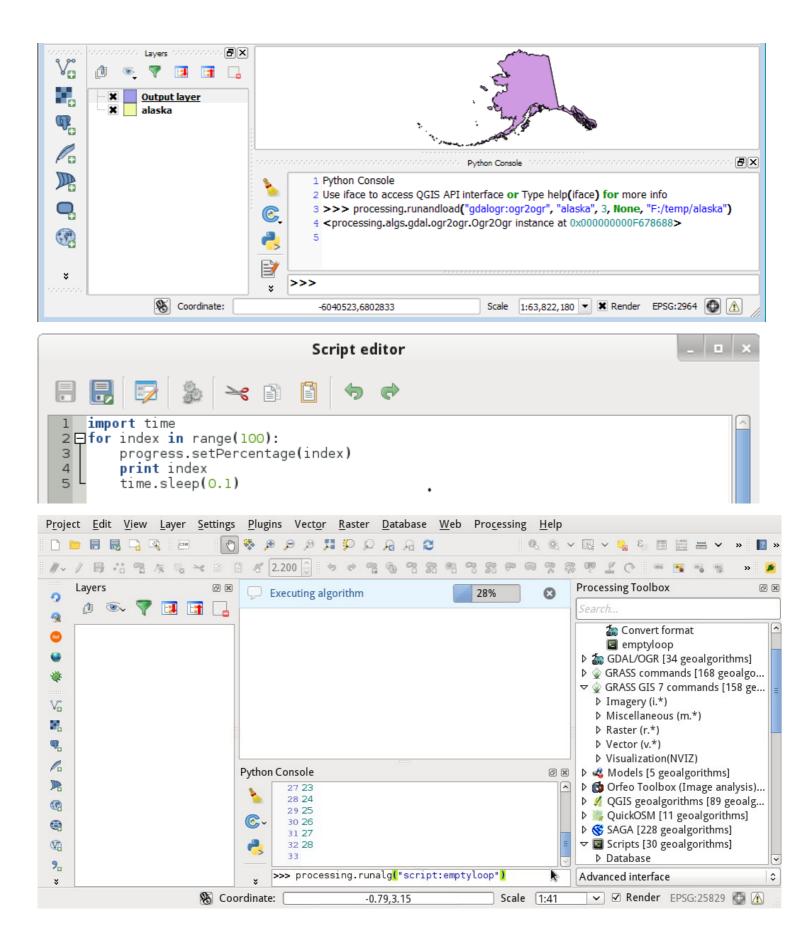
Chapter 10: PyQGIS Scripting

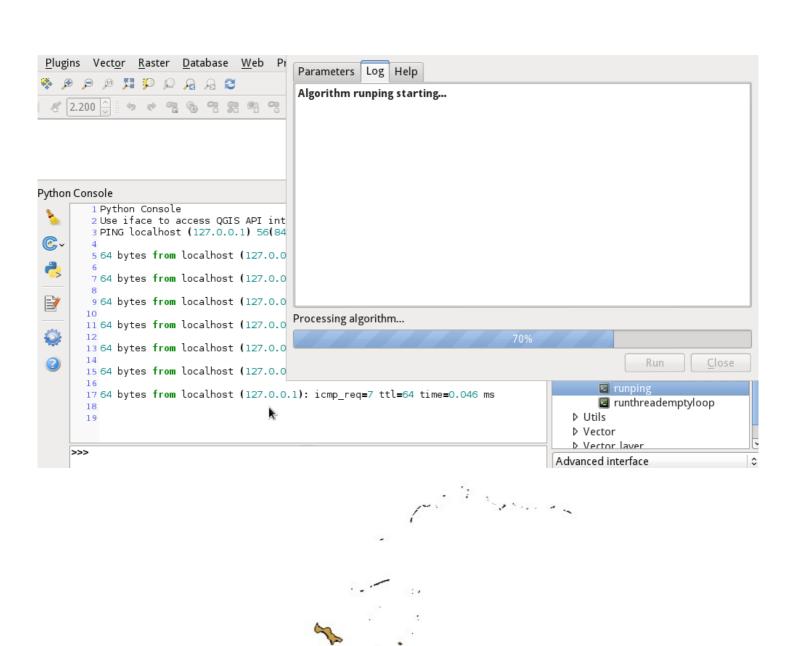


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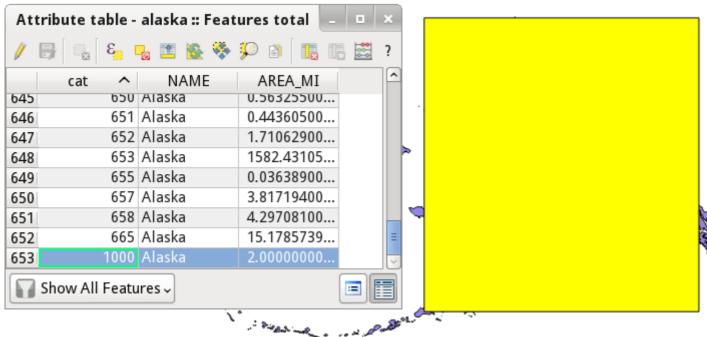
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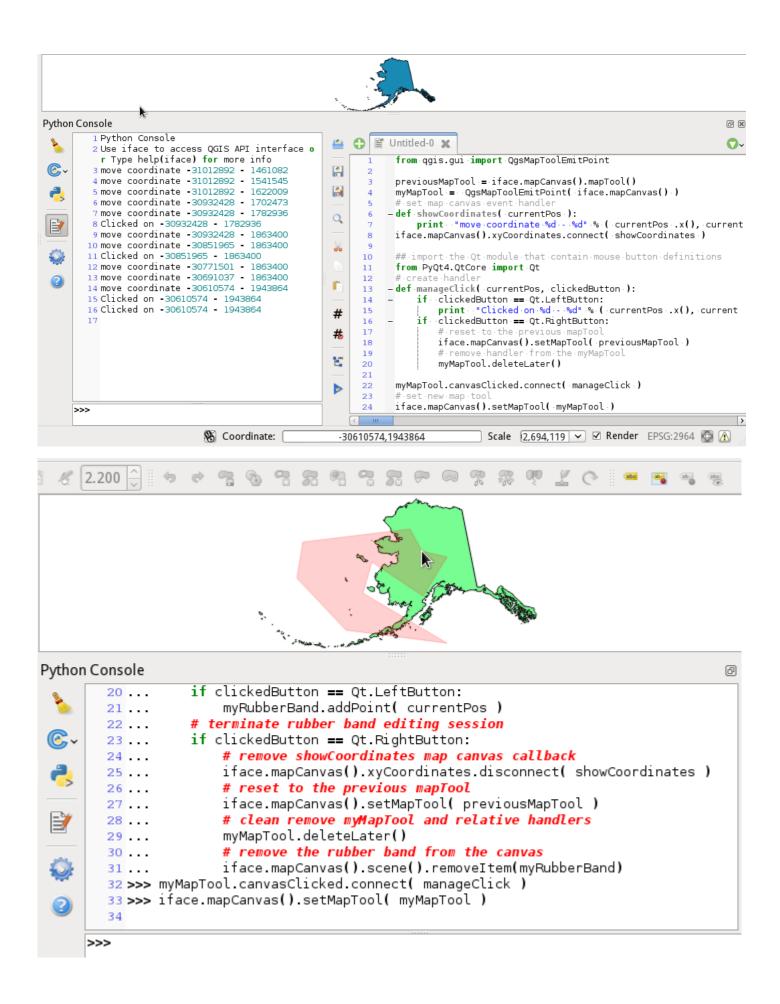
QgsGeometry

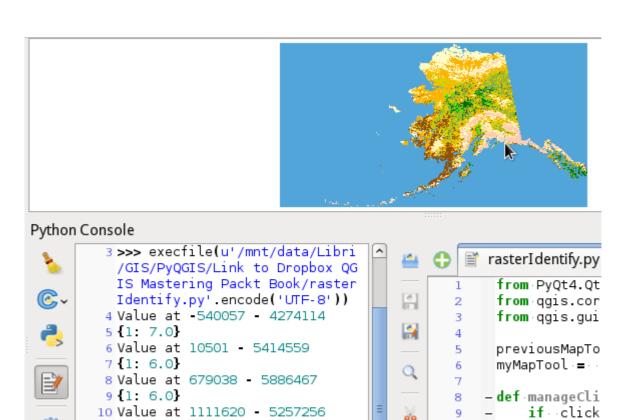












10

11

12

13

14

15

16 17 if click

#.res

iface

11 {1: 6.0}

13 {1: 12.0}

15 {1: 0.0}

16

12 Value at 1229597 - 4942651

14 Value at 2134088 - 3133670