#### **QGIS Report Map Preparation**

This tutorial uses the base map QGIS project prepared as part of the ESI Data Management Framework. Documentation on the base map project is available in the AQGIS references folder.

#### Tutorial

- 1. Rename the ESI Base Map Project to Road Density Map March 2020
- 2. Make a new folder named "Analysis" in the project GIS Layers folder
- 3. Copy the Skeena\_ESI\_T1\_Watershed\_net\_20191101 layer into the Analysis folder
- 4. Open the renamed project in QGIS
- 5. Add the Skeena\_ESI\_T1\_Watershed\_net\_20191101 layer
- 6. Drag the Skeena\_ESI\_T1\_Watershed\_net\_20191101 layer to between the streams and wetlands layers in the layers panel
- 7. Apply your saved style to the layer

#### Properties > Source > Load Style

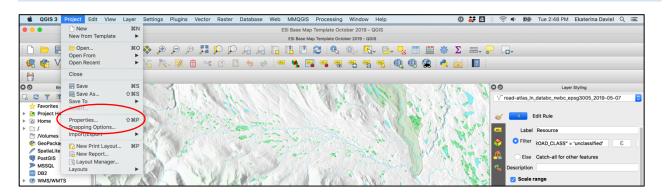
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- Legend	Rename Current Query Buil	lder
QGIS Server	Help Style Apply Cancel	OK

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8. Decrease the opacity of your layer (i.e. make it more transparent)

Properties > Symbology > Symbol > Decrease the opacity to 30% using the slider or the text box

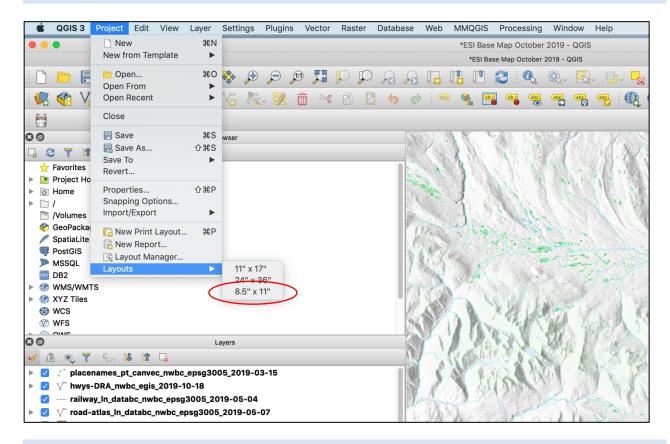
9. From the ribbon at the top of the QGIS window select Project > Properties



- 10. Update the following fields:
  - a. Identifier with project number or name
  - b. Title with project title
  - c. Author
  - d. Abstract (optional)

	Project Properties   Metadata								
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Data Sources	Title								
Relations	ESI Base Map October 2019								
Variables	Туре								
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QGIS Server	Author J. Smith								
	Creation date 2000-01-01 00:00:00								
	Language								
	Abstract								
	Abstract Map produced using information from Data BC. This product was produced for informational purposes only and is not intended for legal or navigational use.								
	Help Apply Cancel OK								

- 11. Pan to your area of interest using the navigation and zoom tools
- 12. Save your QGIS project.
- 13. Open a print layout based on your printing preferences. Templates for letter (8.5"x 11"), tabloid (11" x 17") and ANSI D (22" x 34") are pre-loaded and can be selected from Project > Layouts. Select the 8.5" x 11" template.



14. Wait for map to generate. Adjust pan and scale to your requirements. The inset map will automatically update.

15. Select Main Map in the Item Panel and scroll down in the Item Properties. Click on Set to map canvas extent. (It might take a few seconds to re-draw).

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View extent in map canvas							
Controlled by Atlas							

16. Centre the Main Map over your area of interest if needed. You may need to <u>unlock</u> the Main Map item on the Item Panel and select Edit > Move Content. Adjust the map scale on the Item Properties Panel.

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- 17. Fields automatically updated in the templates include:
  - a. Map Title (derived from QGIS project information, Step 9)
  - b. Author (from QGIS project information, Step 9)
  - c. Project No. (from QGIS project information, Step 9)
  - d. Date (generated from date project last opened)
  - e. Information box (from Abstract in QGIS project information, Step 9)
  - f. Coordinate Reference System (generated from project)
- 18. Update the following by selecting the items from the Item Panel and editing in the Item Properties panel:
  - a. Organization (under Project Metadata)
  - b. Legend: Remove base layers and add road density. Re-name the group to "Road Density (km/km2) 2015" by double-clicking on the text.

Legend		
Auto update	Update All	
🔻 🗸 road-atlas_in_da	atabc_nwbc_epsg3005_2019-05-07	
— Highway		
Other Road		
Ferry		
Railway		
Reserve		
Municipality		
Park		
Conservancy	Add legend items	
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order legend items		

19. Add new scale bar by clicking on the scale bar icon and draw a box on the canvas. Drag the scale bar to the scale box. Update the scale text and delete the placeholder <inset scale bar here> text box. Adjust the height and font size in the item properties panel under fonts and colours.



- 20. Save as a new print layout with your project description.
- 21. Export your map as a pdf or image (tiff, jpeg, etc.) and save in the Maps subfolder within your project folder with a descriptive title as per the ESI naming convention.

Condensed title\_report stage\_revision number\_date

Final Product Example:

