

## QGIS: Exporting as SVG

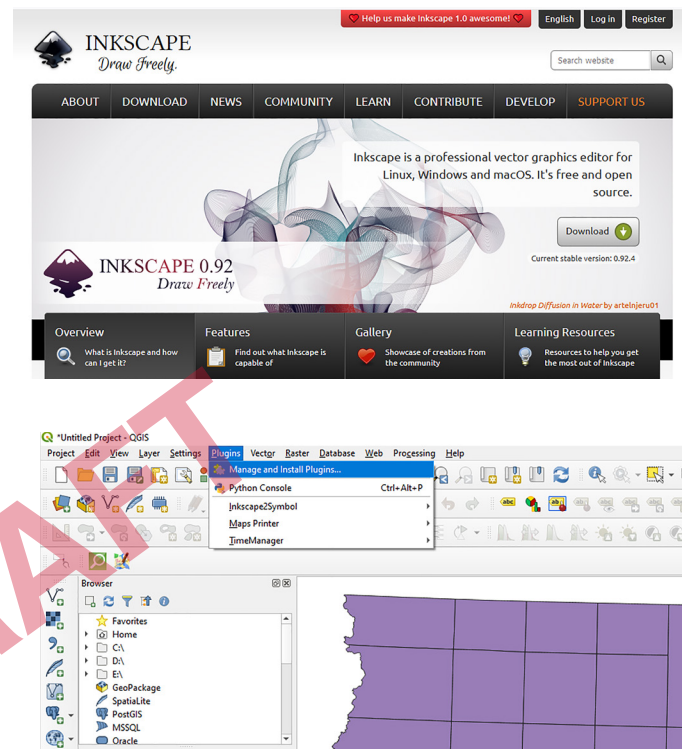
QGIS 3.4.1

Welcome to the Essential QGIS Tasksheet Series. This series supplements the Iowa State University Geospatial Technology Training Program short course series. The tasksheets are designed to provide quick, easy instructions for performing mapping tasks.


In this tasksheet you will learn how to export a SVG file. A SVG is a Scalable Vector Graphic that can adjusted and resized without losing any image quality. You will need an image processing software for the end of this tasksheet, to demonstrate how you can edit your images.

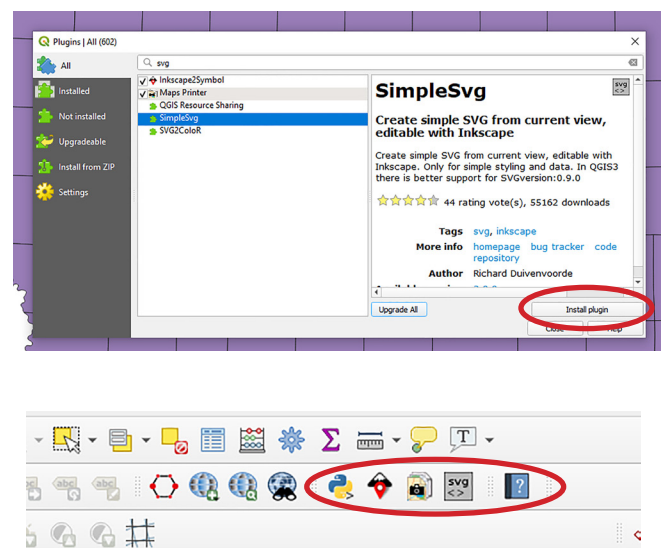
### 1. Getting Started

- For this tasksheet you will need an image editing software such as Adobe InDesign, or Inkscape, a free vector graphic editor that can be downloaded at <https://inkscape.org/release/0.92.4/platforms/>. Find the proper platform for your device, then download and install the software to their instructions.
- Data for this tasksheet can be downloaded at <http://issueogtp.github.io/GISTaskSheets/TaskSheetData/PM2082-20i.zip>. Extract the file when download is complete.
- Open QGIS and create a new project.
- Add the shapefile **lowaCounties.shp** you downloaded to your project.
- Change the **Symbology** for the layer either right click and open properties or double click on the layer in the Layer panel. Click **OK** to close the window when finished.






### 2. SVG Plugin

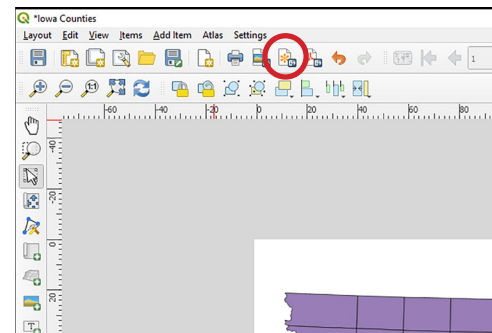
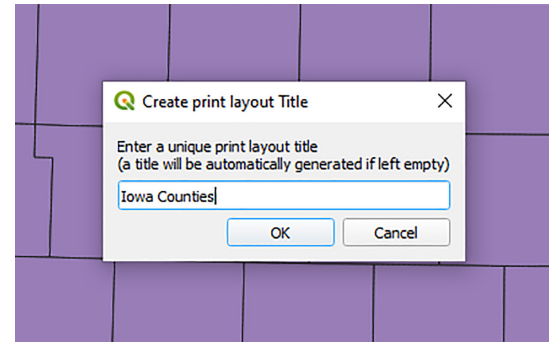
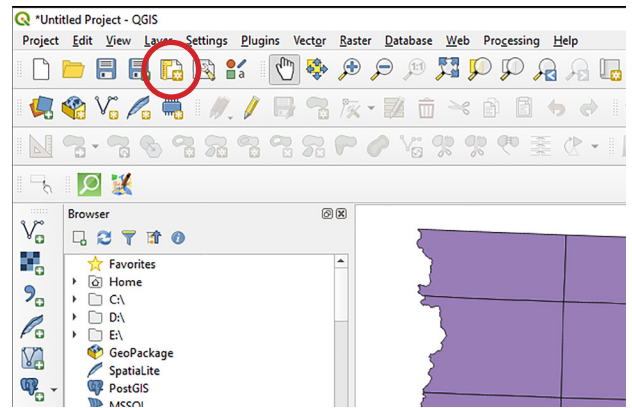
- Open **Plugins** from the main menu and select **Manage and Install Plugins...**
- When the Plugins window opens search for **SVG**. A few options will appear. Select **SimpleSVG** and install that plugin.
- Close the Plugins Window when complete, and your new Plugin options will appear on the tool bar.
- Zoom into your layer image until it fills the view then click on **Save as SVG**  button, and the Simple SVG Plugin opens.
- Leave the options to their default settings and select a location to save your image file. Name the file **lowa\_Counties.svg** click **OK**.



- f. When completed the Finished Writing to SVG window opens, click **OK** to close that window.

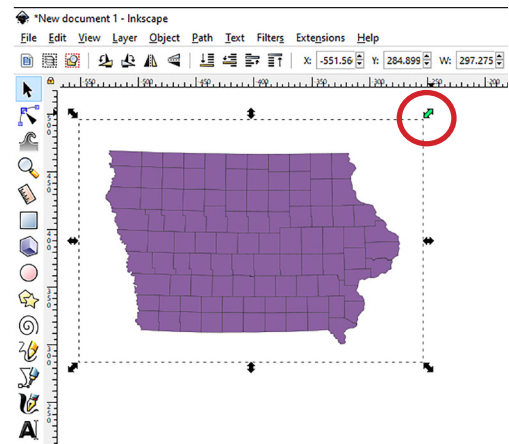
### 3. Print Composer

- a. Another way to export SVG images from QGIS is using the Print Composer.
- b. Click **New Print Layout**  from the Toolbar, the Create Print Layout Title window opens, type **Iowa\_Counties** and click **OK**.
- c. A new blank QGIS window opens.
- d. Click **Add a New Map to the Layout** .
- e. Your mouse cursor will change to crosshairs, click in the top left corner and draw a box to the bottom right to fill the blank canvas. When completed your map of Iowa will appear.
- f. From the Toolbar select **Export as SVG...** .
- g. Save this SVG as **Iowa\_Counties2.svg** and save in the same location as your first SVG file.
- h. Leave the SVG Export Options to their default settings and click **Save**.
- i. This method of saving SVG files is best when you have map elements such as titles and legends you want to export with your image.



### 4. Inkscape

- a. Open **Inkscape** or your preferred image editing software, and add one of your saved SVG files.
- b. Click and drag one of the corner arrows around your image of Iowa, and notice how the image changes size without getting pixelated or distorted.
- c. To learn more about editing SVG files continue with tasksheet *Editing SVGs in Inkscape* **PM2082-20j**.



### Contact:

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