

## Inkscape: Editing SVG Files


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.

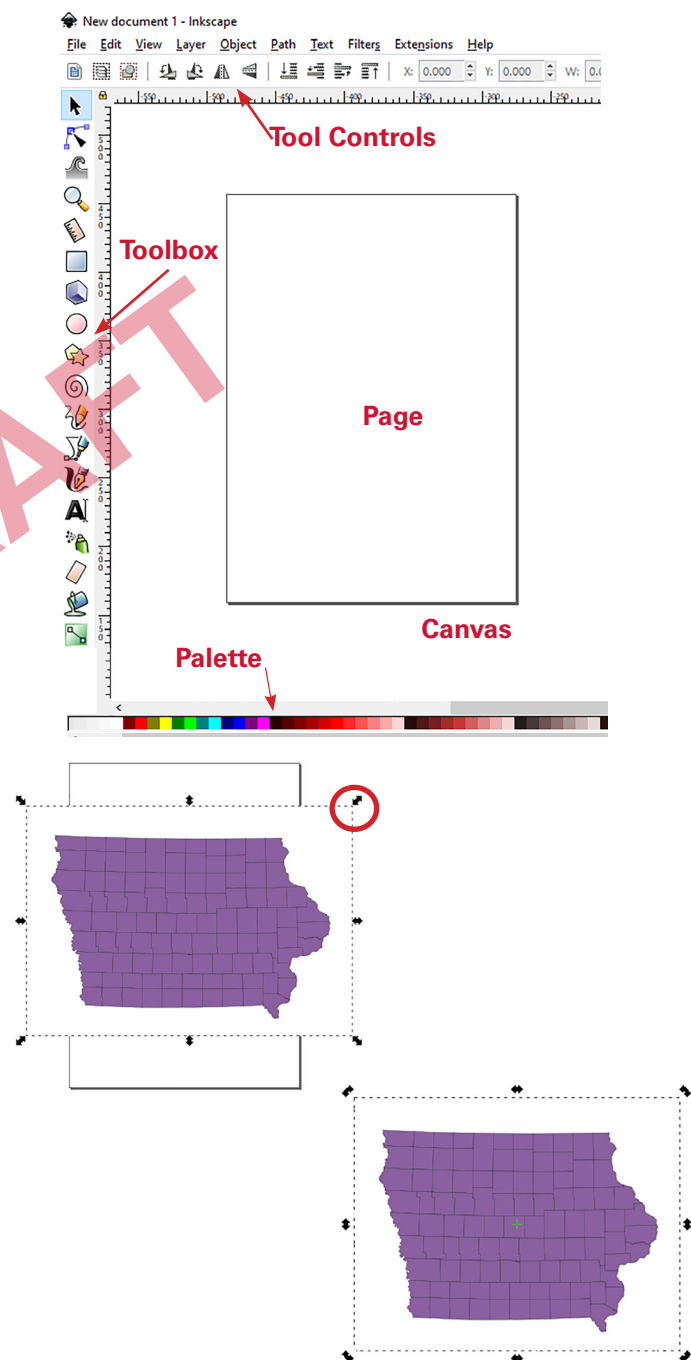
In this tasksheet you will familiarize yourself with Inkscape a free vector graphic editing software. After importing a SVG image file, you will experiment with resizing options, as well as adding objects and text to your project.


### 1. Getting Started

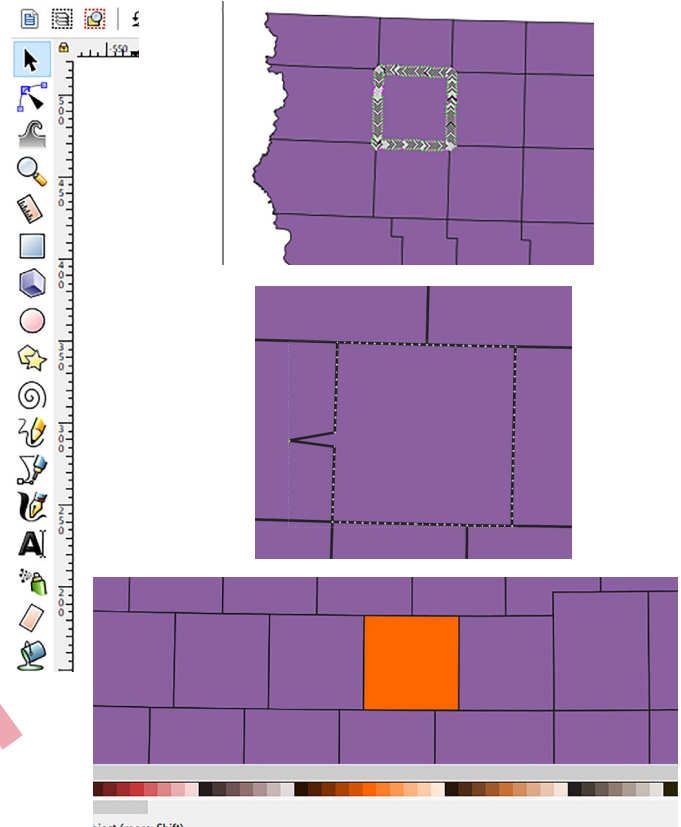
- Open **Inkscape**, to a new blank canvas.
- Right away you will notice a blank square on your canvas space. This is your **Page**, only objects within your Page will appear in your exported work.
- Add your **IowaCounties.svg** from tasksheet *QGIS: Exporting SVG PM2082-20i* to your blank canvas.

### 2. Navigating Inkscape.




- Using your mouse scroll will move up and down the canvas space. If you hold **Ctrl** for Windows or **Command** for Mac, then scroll you will zoom in and out of your image.
- Click your image to select it, you can click and drag the image around your canvas.
- Notice the arrows around the image perimeter these can be used to resize the image.
- Click and drag one of the corner arrows, your image of Iowa will change size and may stretch and get distorted.
- Under this resize by click the undo button ↶ or using the short cut **Ctrl + z** or **Command + z**, to go back to your original image size.
- This time hold the **Ctrl/Command** key then click and drag one of the corner arrows, now your image will keep the same size ration. Size the image so that it fits inside your Page.
- With you image selected click on the image one more time, the perimeter arrows will change so the image can be rotated.
- From the **Toolbar** select the second option **Edit Path and Nodes**  and notice your tool controls change.



- i. With this tool any individual county or object with closed polygon can be selected. Click on a County to select one.
- j. You may need to zoom in to view each node around the county. These nodes can be dragged to change the shape.
- k. You can change the color of that selected county by using the color pallet below.
- l. With a county selected go back to the first tool **Select and Transform**  Now you can resize the county as a whole, and you can move that selected county out of the state.
- m. While zoomed in hold down the space bar then click and drag to move around your canvas.



### 3. Exploring Toolbox Options

- a. The next options below are shapes that can be added then colored. Create a title bar, and add a star to the state capitol.  
- b. There are free hand drawing tool to create custom lines
- c. Use the next tool **Create and Edit Text**,  click once on you canvas and you can start typing a title.
- d. Use the bucket to fill polygons, select a color from the pallet and click on a county to change just that counties color.

### 4. Saving and Exporting

- a. Open **File** from the main menu to see the Saving and Exporting options.
- b. You can save as SVG file to keep your layers and edit again. Saving as a image file PNG or PDF, this option will lose the ability to individual select objects when opened in Inkscape.

### Contact:

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