VTZA GIS Workflow

Before you start check:

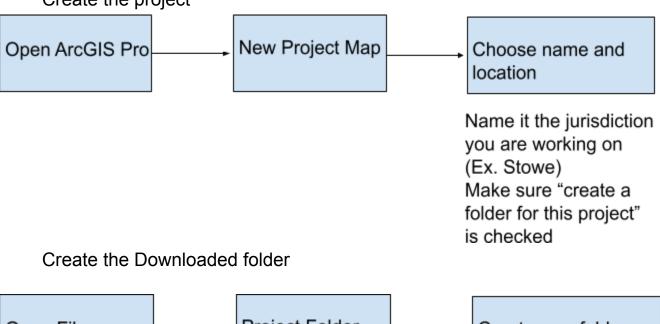
- 1) You know the abbreviated district names
- 2) You have access to the Arcpy scripts
- 3) The .Shp file is accurate

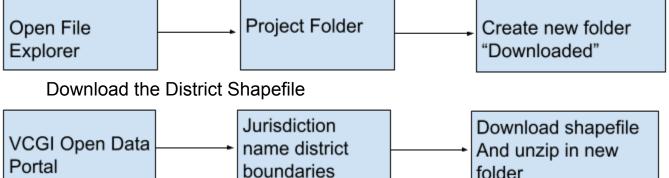
What do the scripts do?

- 1) The first script projects and repairs geometry on the TIGER boundary and the district .shapefile
- 2) The second script creates a mobile geodatabase, copies all the projected features into it, and creates the topology you will use to do error checks

Step 1

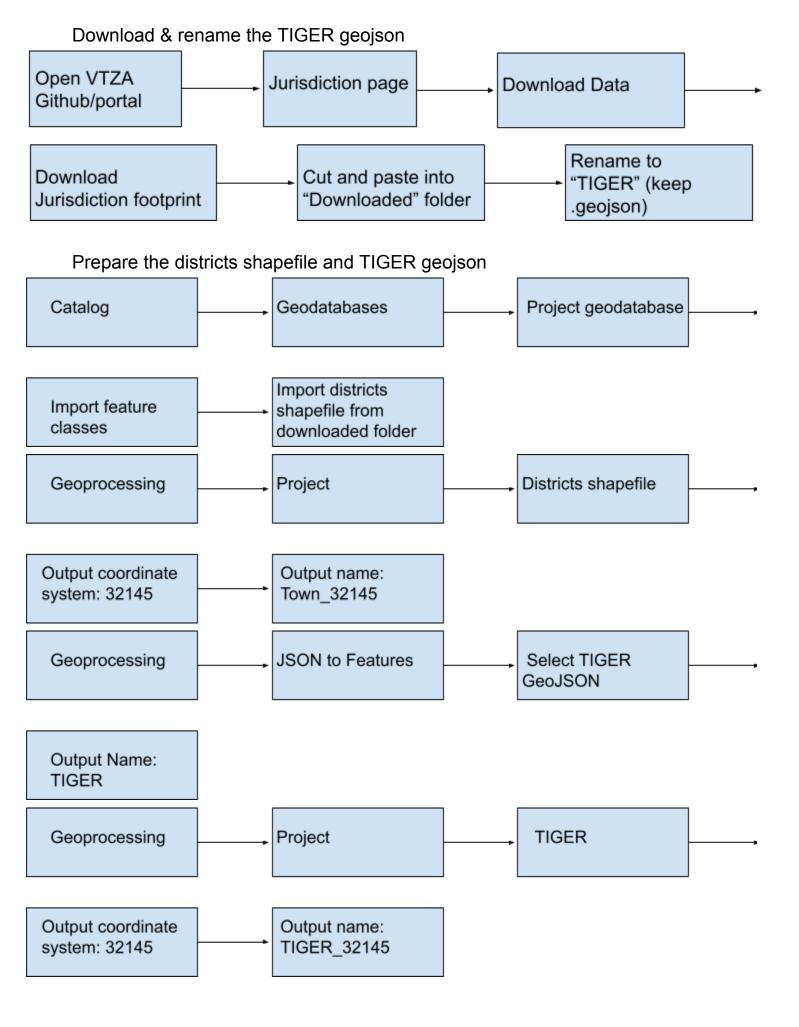
Create the project





Do not rename the shapefile, and make sure it ends up in the "Downloaded" folder you just made

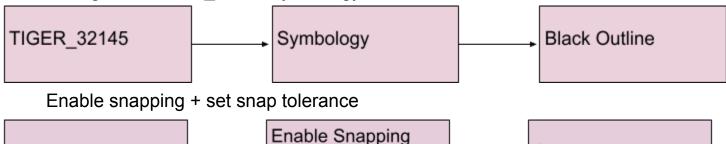
folder



Step 2

Edit ribbon

Change the TIGER_32145 symbology



(Vertices only, the

empty square)

Snap tool:

 Make sure there are enough vertices on the districts to snap to the TIGER

Set snap tolerance

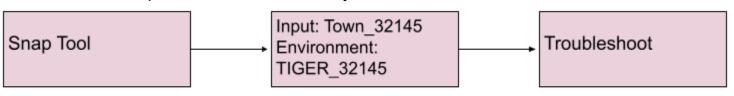
(use map units)

- Make sure there are no important district lines (not jurisdiction border) close to the edge, they will snap to the TIGER and change the district shapes
- Set tolerance to about 100, it is best to use the measure tool to find the furthest vertex that isn't a district line and set the tolerance based off that

Manual:

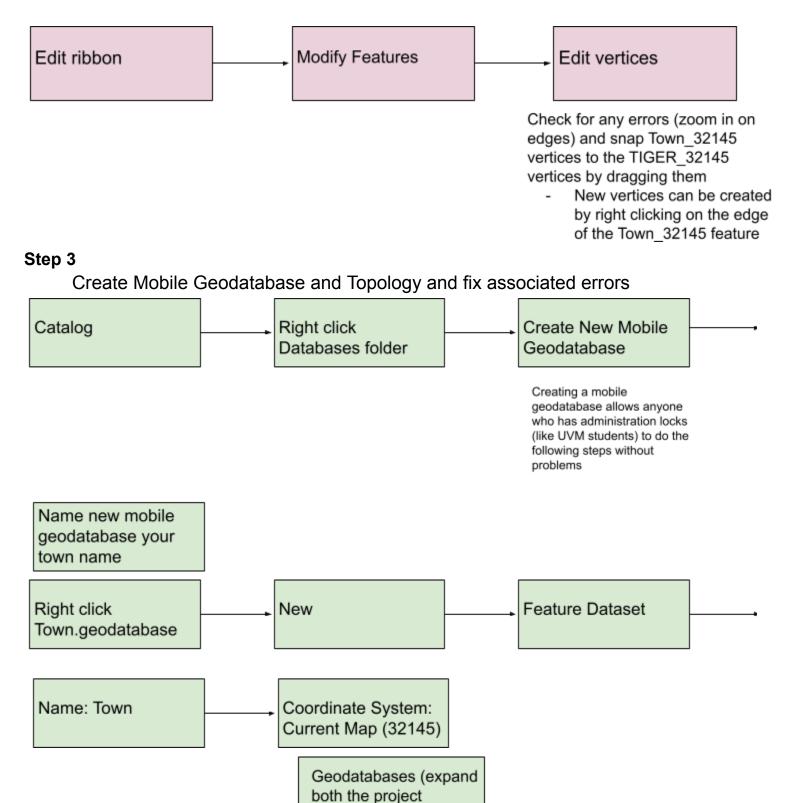
 Set tolerance to about 10-20, and zoom in. 10-20 pixels also works if you are zooming in very close

Use the Snap tool AND/OR manually edit vertices



Click "enable undo" at the bottom Type: Either Vertex or Edge

 Snap tool can be unreliable, however, the best combination is usually a Vertex snap, and then an Edge snap Check for any errors (zoom in on edges) and troubleshoot via manual edits or new snap tool runs



geodatabase and the

just made)

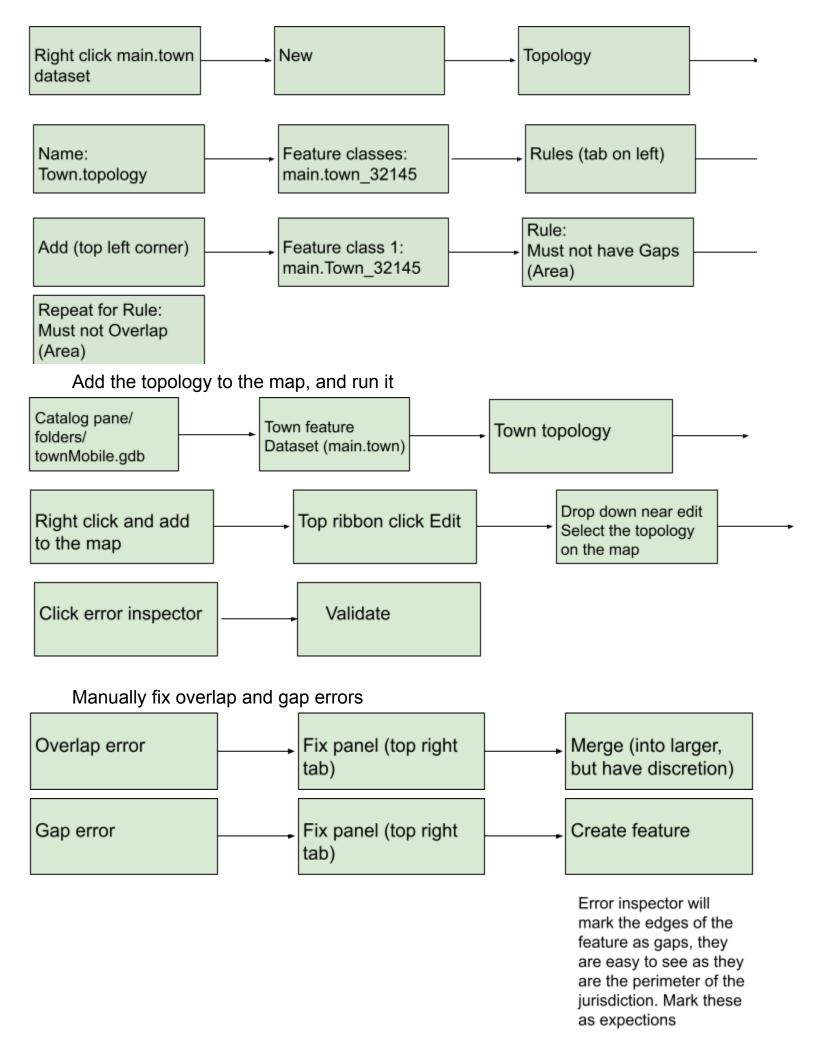
Catalog

mobile geodatabase we

Drag Town 32145

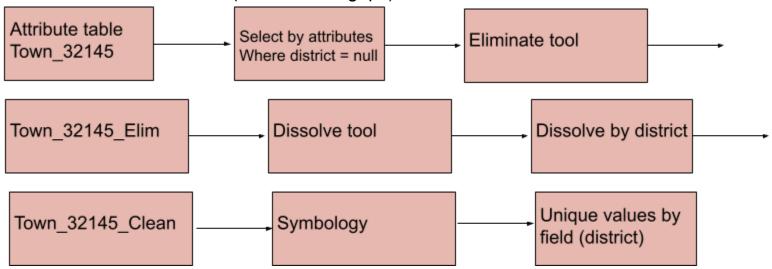
dataset

into the "main.Town"

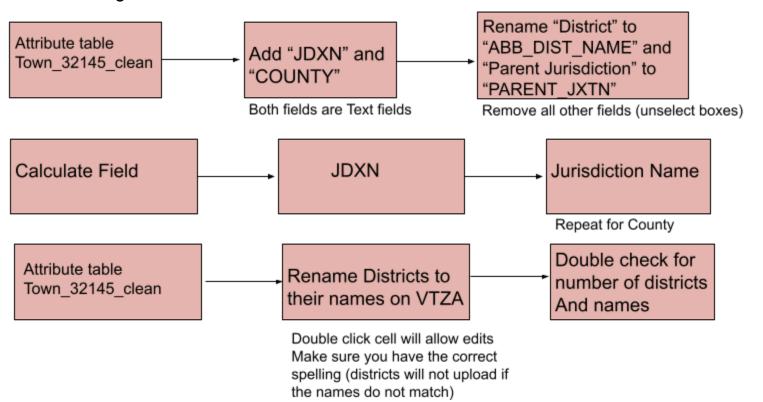


Step 4 (Clean up)

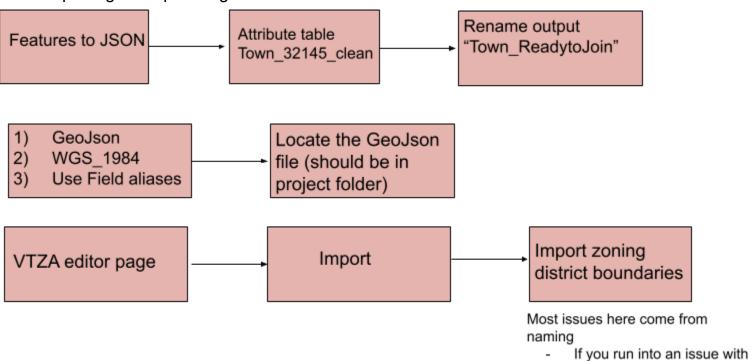
Eliminate null districts (created from gaps)



Cleaning the attribute table



Exporting and uploading the GeoJson



naming, the JSON is editable with notepad++ (command f works great)