

## 1. Finding Your Layer

- Option 1: Geospatial Commons
  - o Navigate in your internet browser to the Minnesota Geospatial Commons
    - (<https://gisdata.mn.gov/>)
  - o In the Search Bar type in "Southwest LRT"
  - o Select the Planned Transitway Stations and the Planned Transitway Alignments and Download the Shapefiles to a location you can easily locate
  - o Upload the file in ArcGIS
    - Open a new map in ArcGIS
    - Use the **Add** option along the top bar and Add Layer from File
    - Select your zipped shapefiles and then **Import Layer**
- Option 2: Within ArcGIS
  - o Open up a new map in ArcGIS
  - o Use the **Add** option along the top bar and Add Layer by **Search for Layers**
  - o Search for "Southwest LRT" in ArcGIS Online and select **GO**
  - o Add the SWLRT\_Stations layer and the SWLRT\_Alignment layer
- Take some time to familiarize yourself with the layer, and examine the metadata of some of the points

## 2. Doing a Buffer Analysis

- Select **Analysis** along the top bar to open the Analysis menu
- In Use Proximity select create Buffers
  - o At any point click the blue information buttons to learn more about each action
- Option 1 - Make sure your SWLRT\_Stations layer is selected
- Option 2 – Increase the distance to 1.5 miles and increase the options with the + option
  - o For Buffer type select **Dissolve** so the buffers blend with each other
- If all other options look good run your analysis
  - o Should only by .016 credits – Also make sure all points are visible when you do

## 3. Using the Living Atlas

- Select the **Perform Analysis** option of your newly created buffer layer
- Under **Data Enrichment** select **Enrich Layer**
- In the resulting menu make sure that your buffer layer is selected and then open the possible enrichment variables by selecting the green **Select Variables** box
- Add the 2017 Total Population (esri) and another variable of your choice
- Once you have selected all your variables select Run Analysis
  - o The resulting Enriched layer will contain information about your selected variables within the buffer area in the pop up