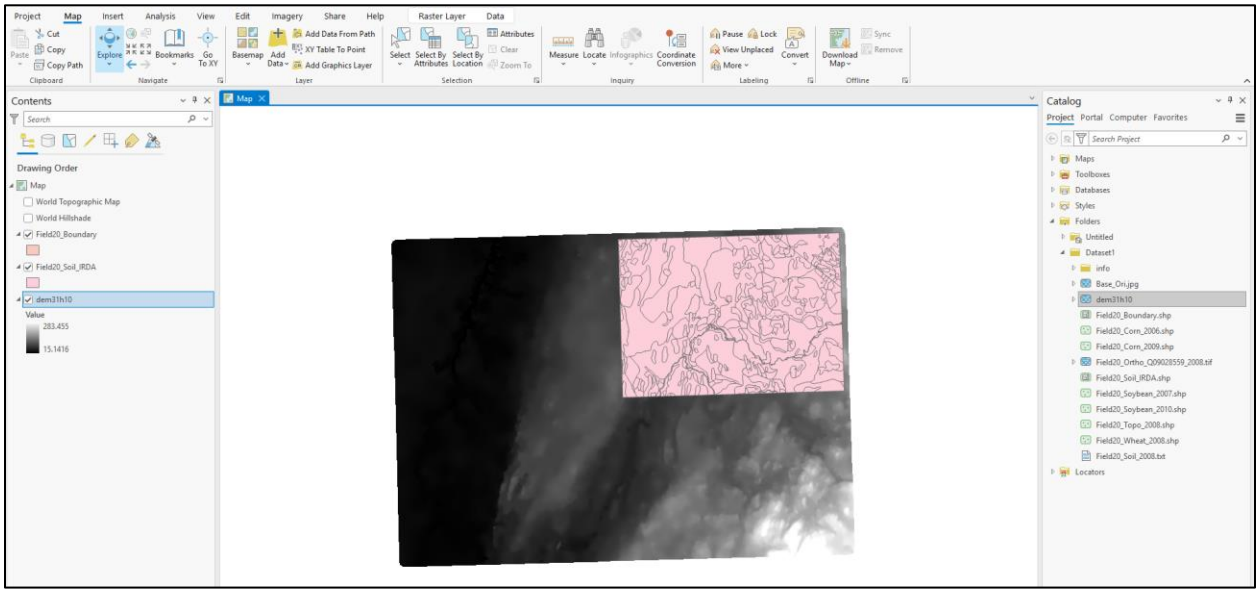
# Lesson 1.2: Clipping data to a field boundary

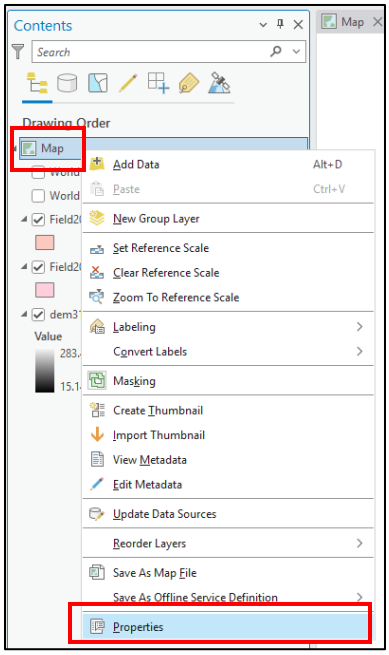
**Data Source:** *dataset1.zip*

**Part 1:** Displaying data within the field/site boundary.

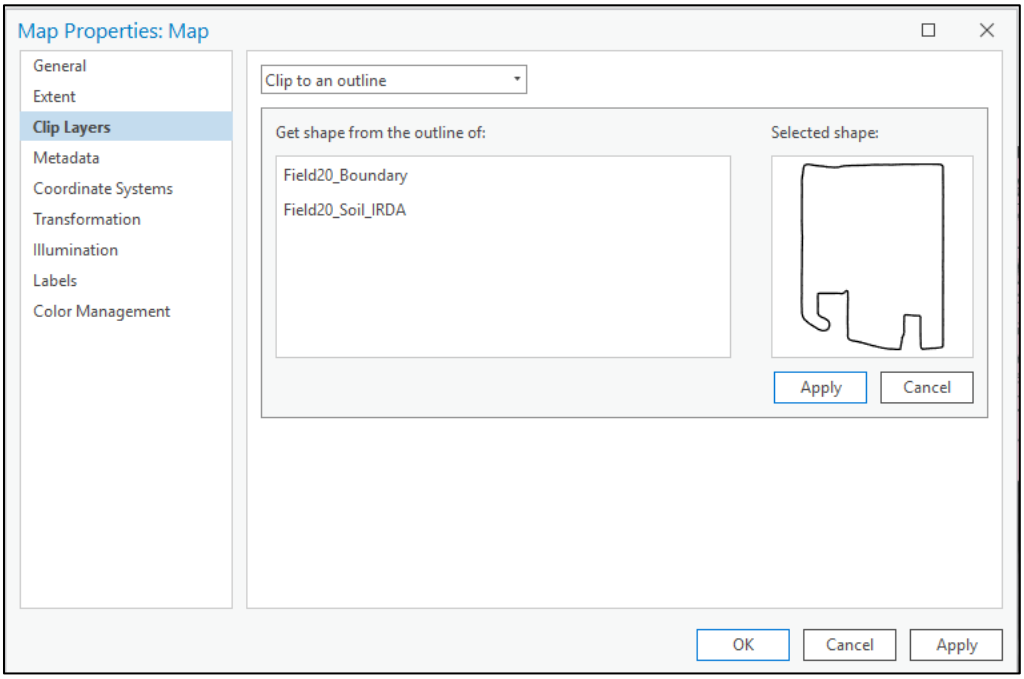
1. Create a new ArcGIS project and choose **Map**. Using the **Add Folder** button, add ***Dataset1*** to your **Catalog** tab. Drag ***Field20_boundary.shp, Field20_Soil_IRDA.shp,*** and ***dem31h10*** to the **Contents** tab.



2. In the **Contents** tab, right click on **Map > Properties**

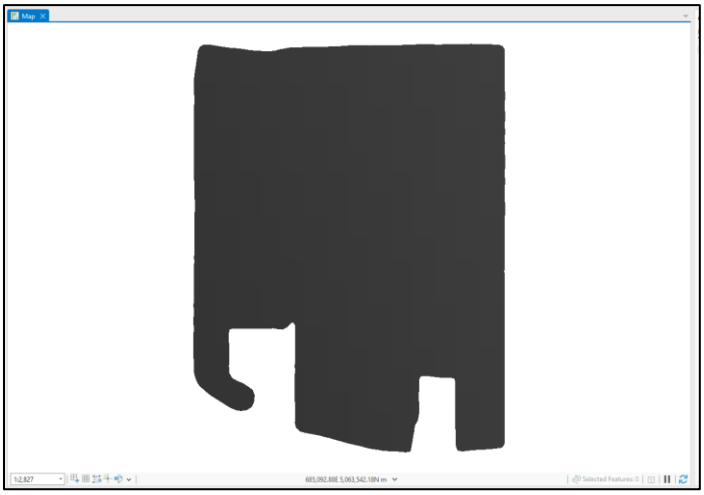


3. From the **Map Properties** window, select the **Clip Layers** tab. From the drop down, select **Clip to an Outline**. Select your outline to be ***Field20_Boundary.*** Press **Okay.**



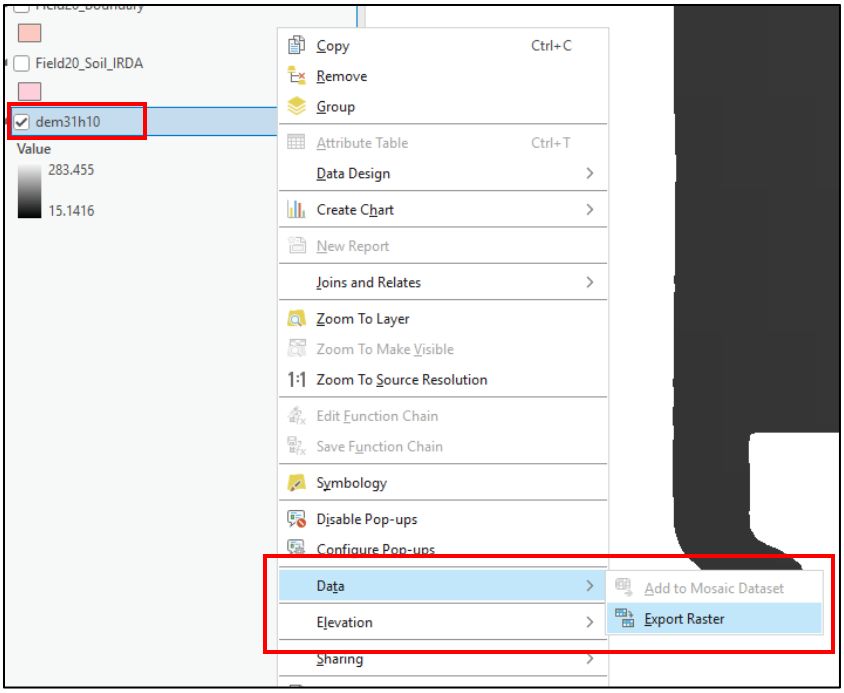

4. Right click on the ***Field20_Boundary*** in the **Table of Contents** and select **Zoom To Layer**.
5. Checkbox off only for Field20_Boundary and Field20_Soil_IRDA

Now, the feature layers only show the data within the boundary of ***Field20_Boundary.shp***. Data outside of the site boundary is excluded from the view (**note: this technique only hides data from viewing and does not permanently delete data**).

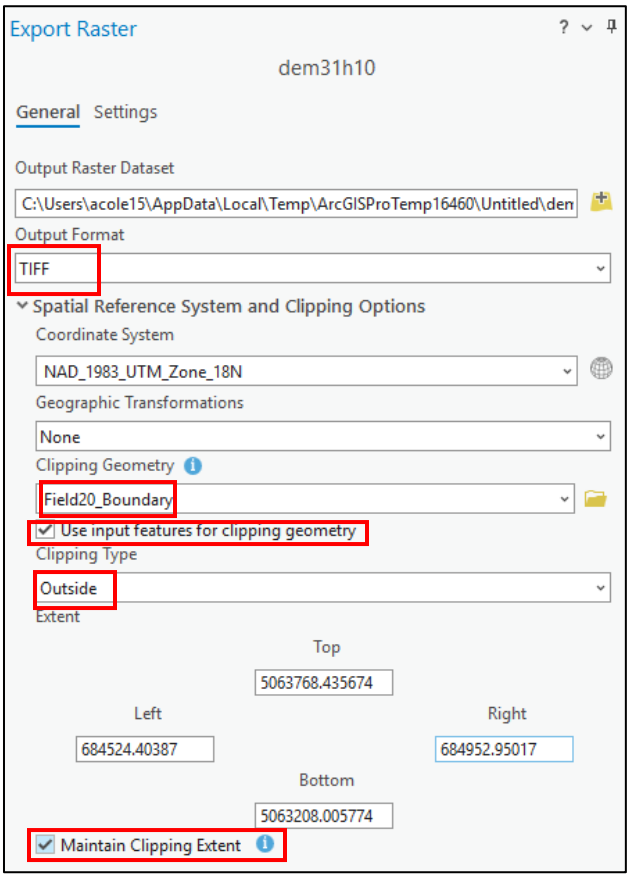


**Part 2 :** Permanently clipping raster data.

1. Right click on ***dem31h10*** an select **Data > Export Raster.**



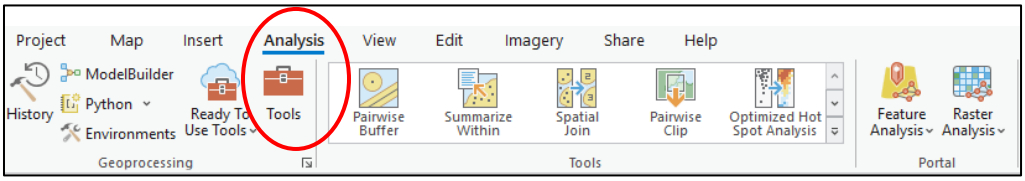

2. In the **Export Raster** tab select the following options and then select **Export**:



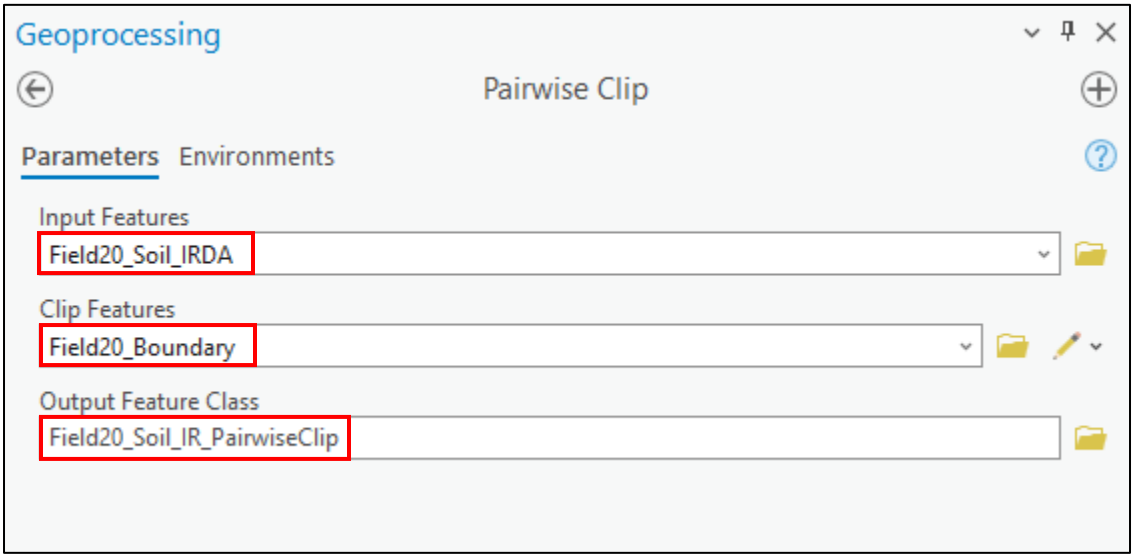
3. The new **tiff** file will show up under the **Contents** tab. Double click on it to give it a meaningful name. The file will be saved in your project file folder when you save the project.

**Part 3:** Clipping vector data to site boundary.

1. Go to **Analysis > Tools.** This will open the **Geoprocessing** tab.




2. In the **Geoprocessing** tab, search for **Pairwise Clip** and select it.
3. In the **Pairwise Clip** page, select the below input parameters, and then click **Run.**




4. Now the new layer **Field20_Soil_IR_PairwiseClip** will be added to the project.
5. Save and close the project.