

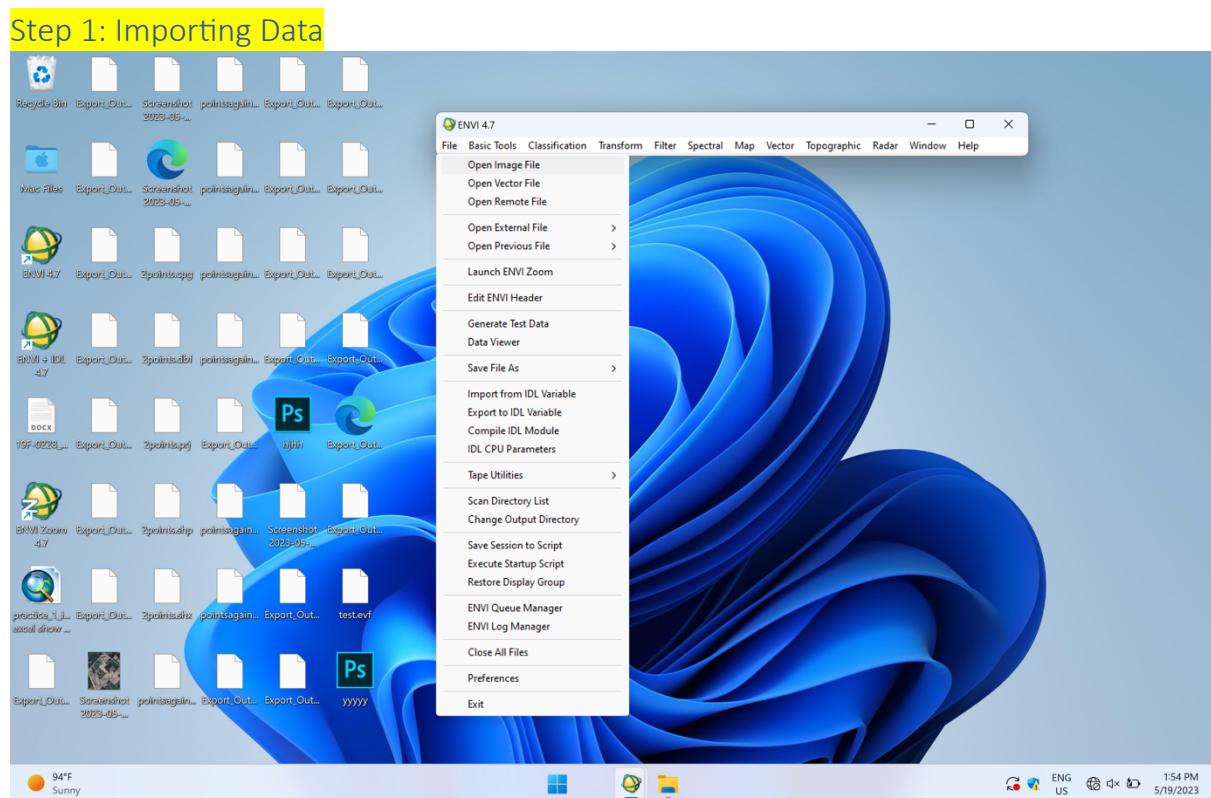
# 19F-0228

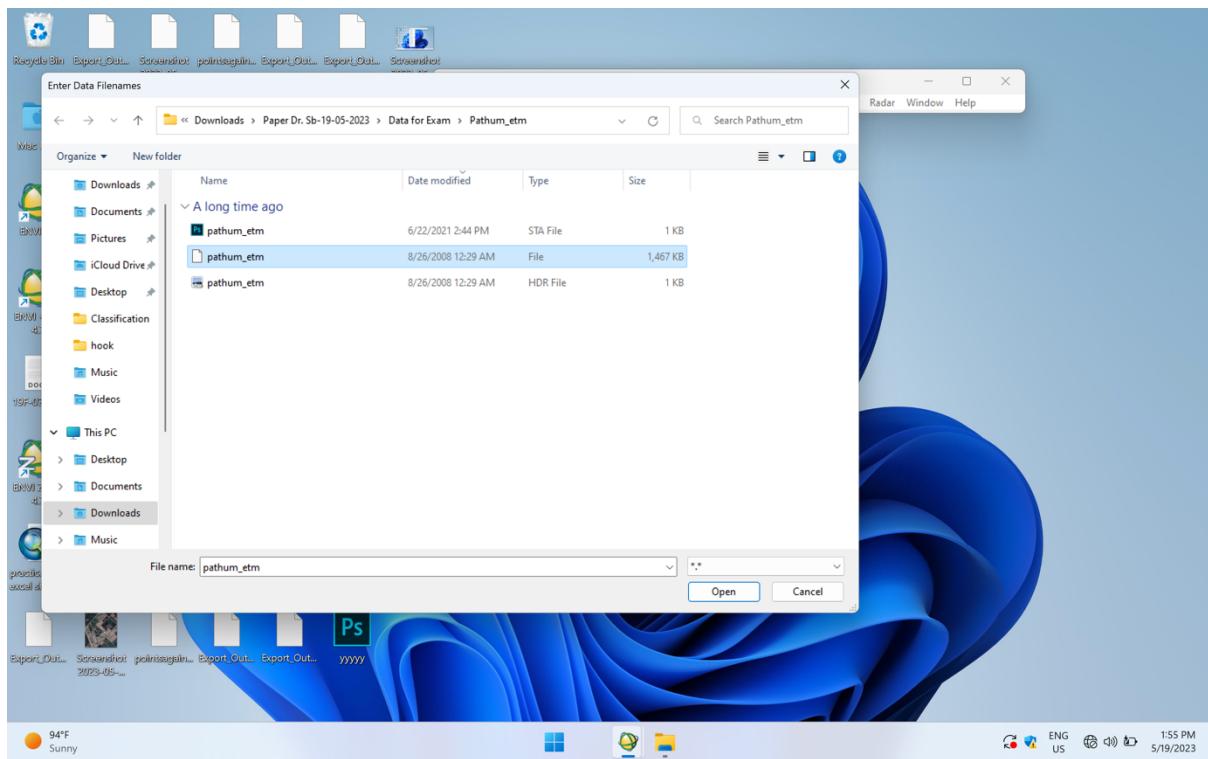
## Muhammad Zain

## Remote Sensing GIS Final

Question 1:

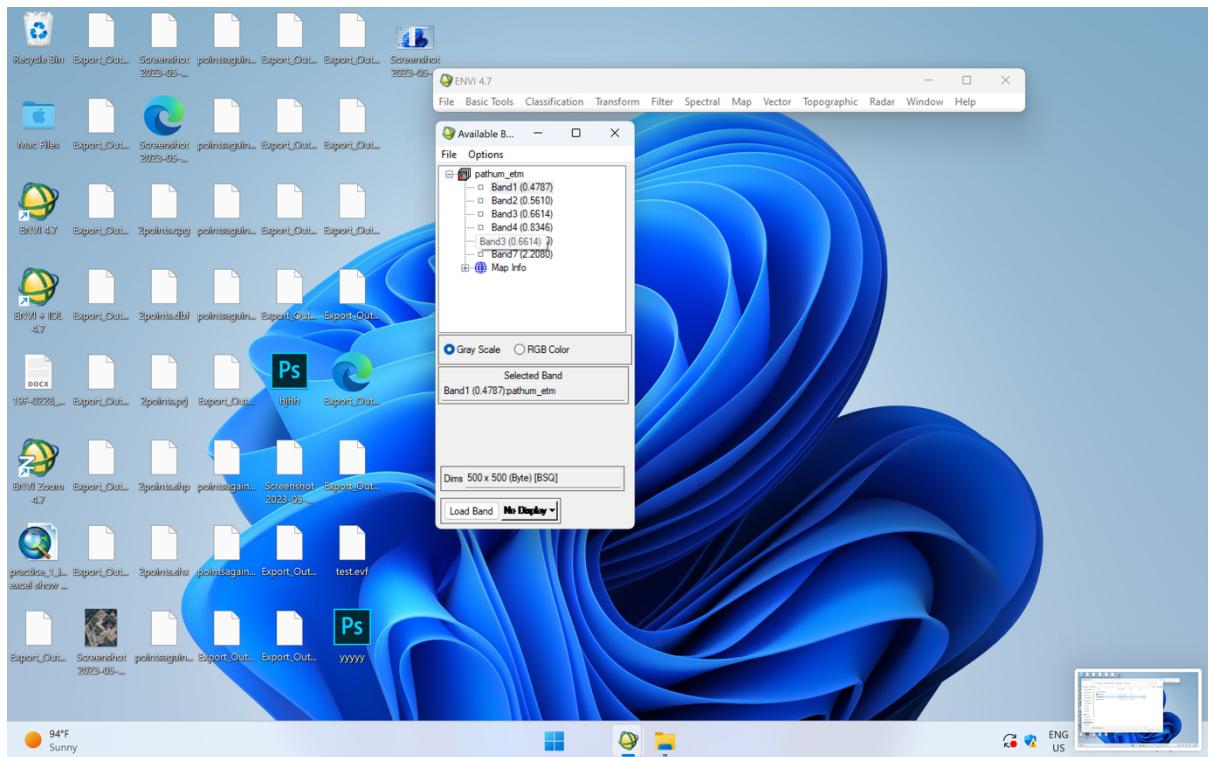
### Supervised Classification

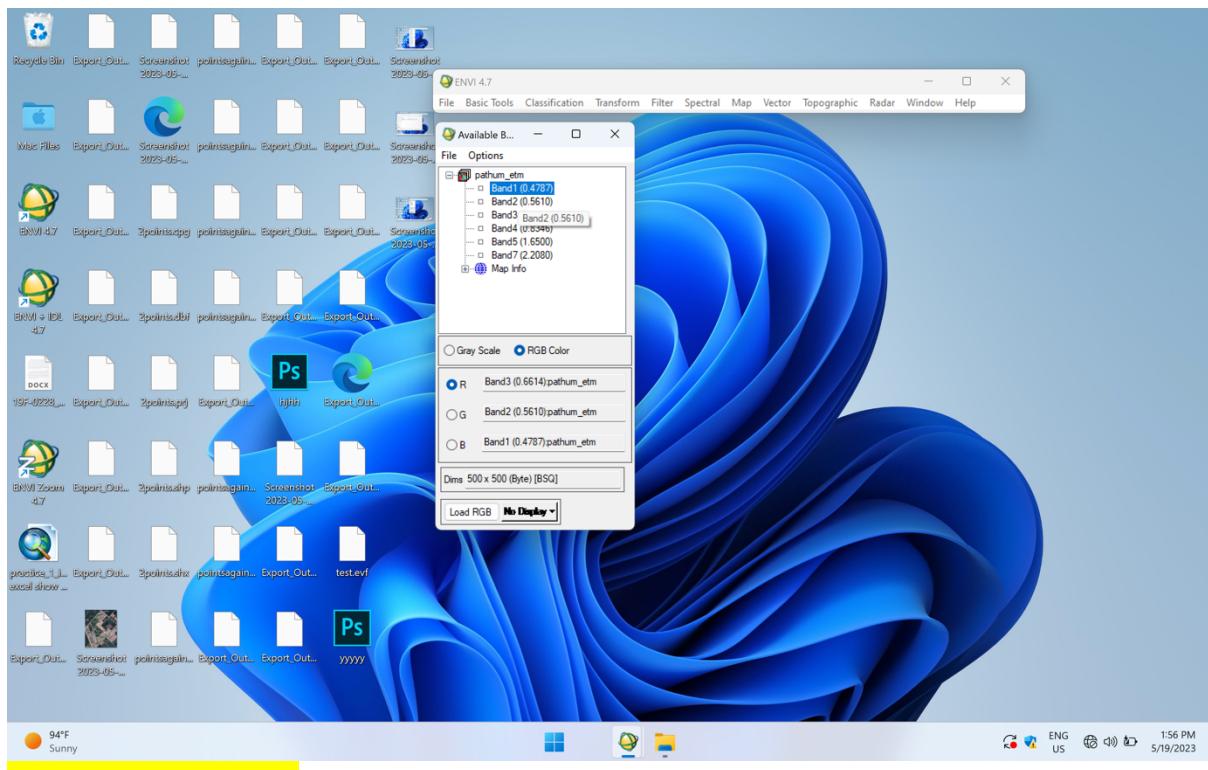




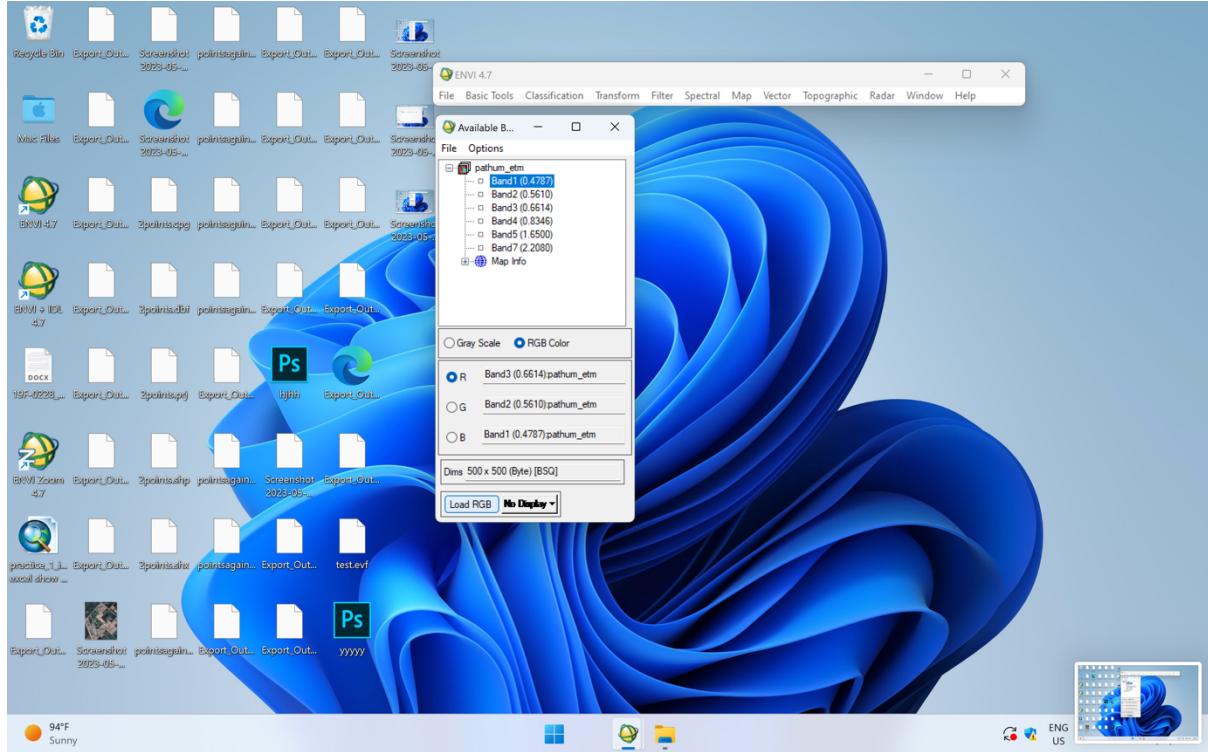
Step2: Bands are loaded now ...Entering RGB data from 3 2 1

- Already Greyscale is selected so we need to convert into RGB

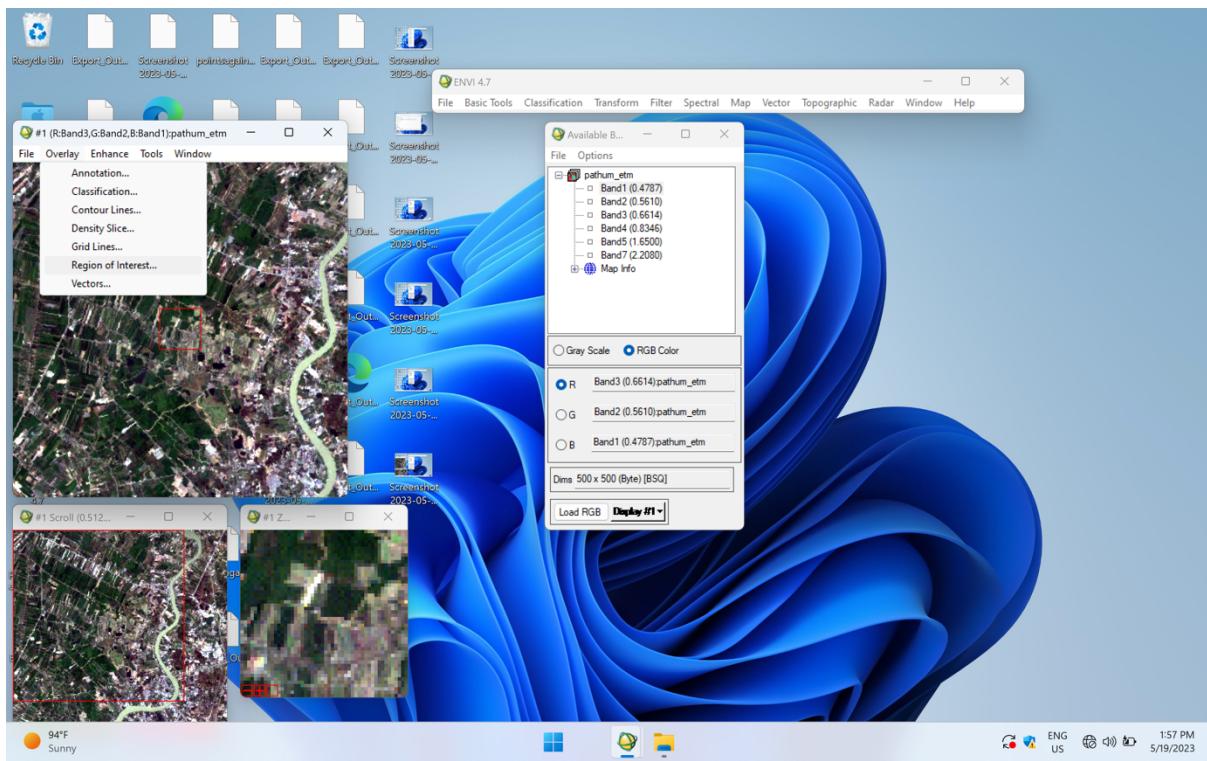




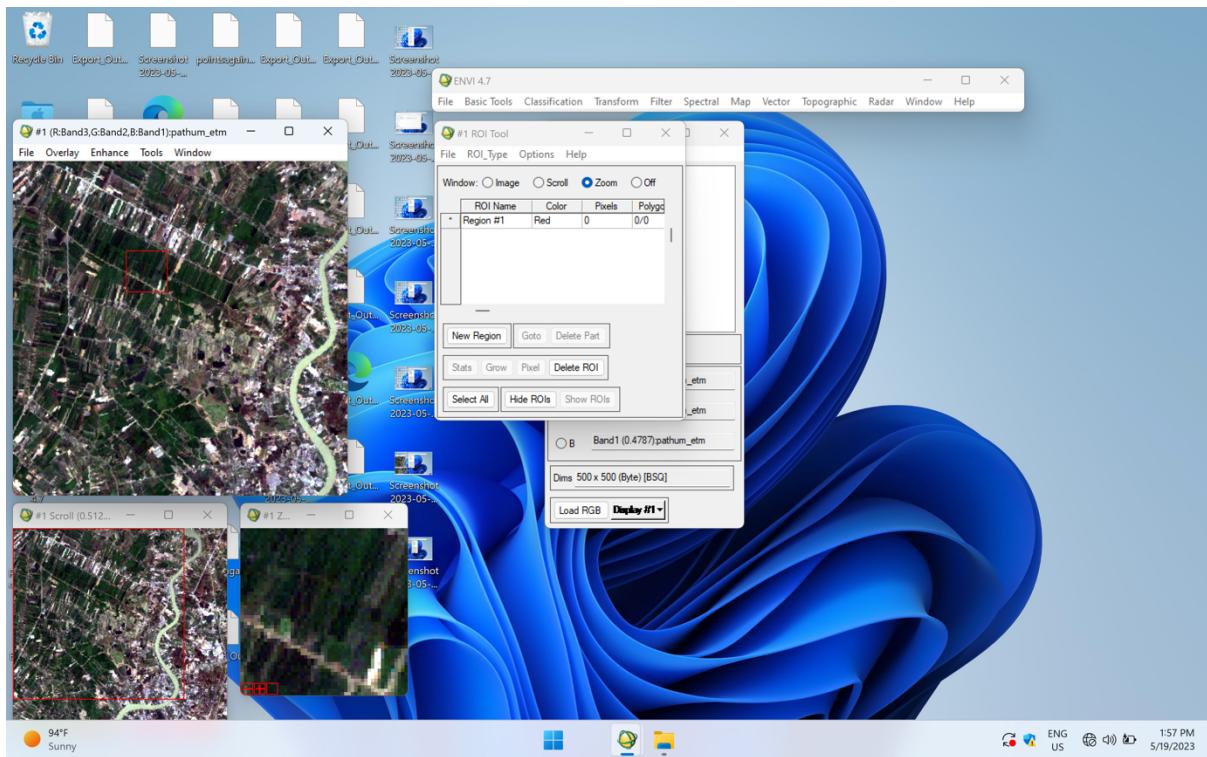
## Setting the RGB values

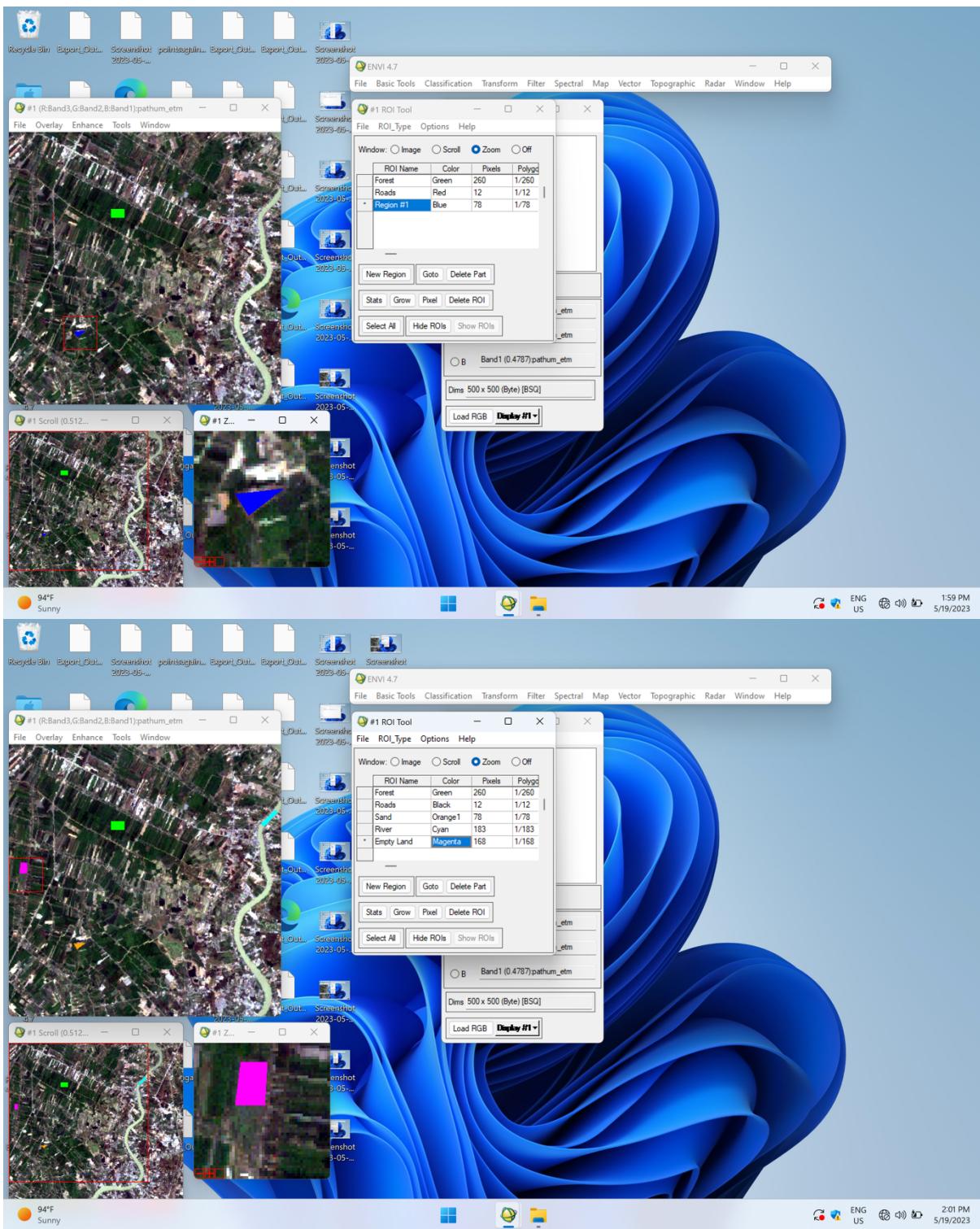


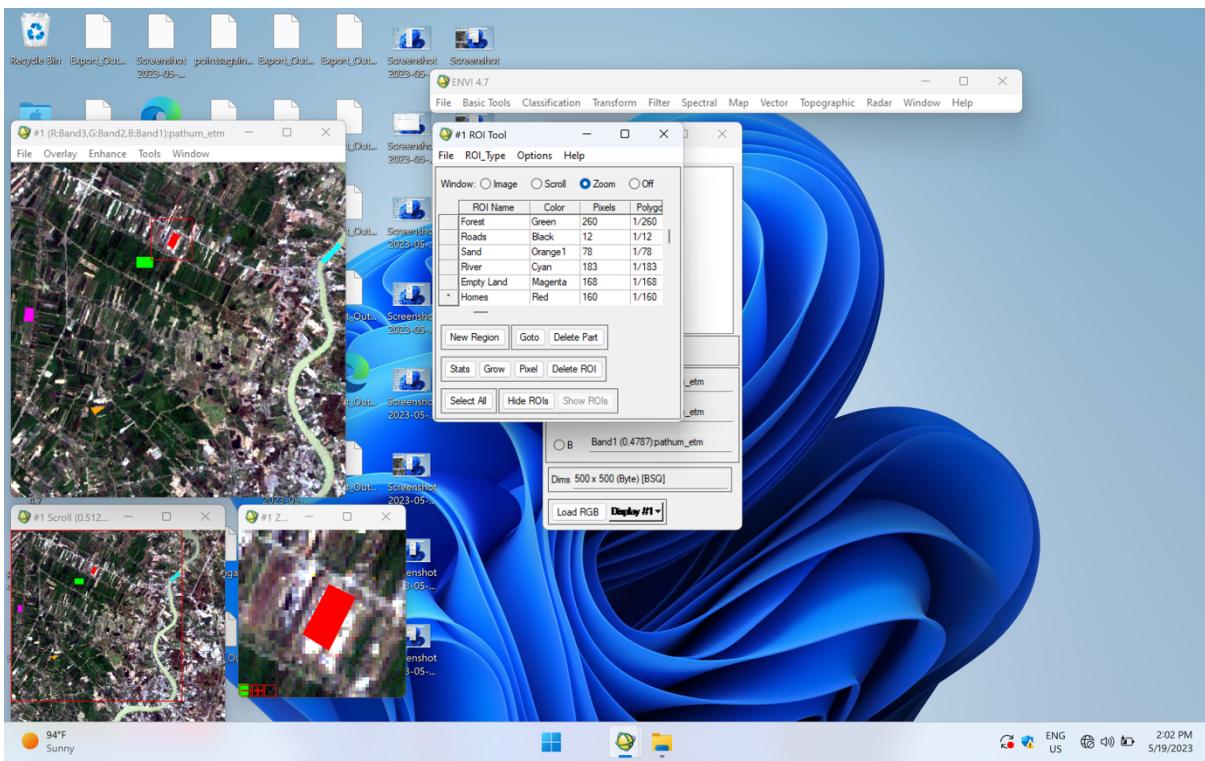
- Loading the RGB value and selecting the region of interest



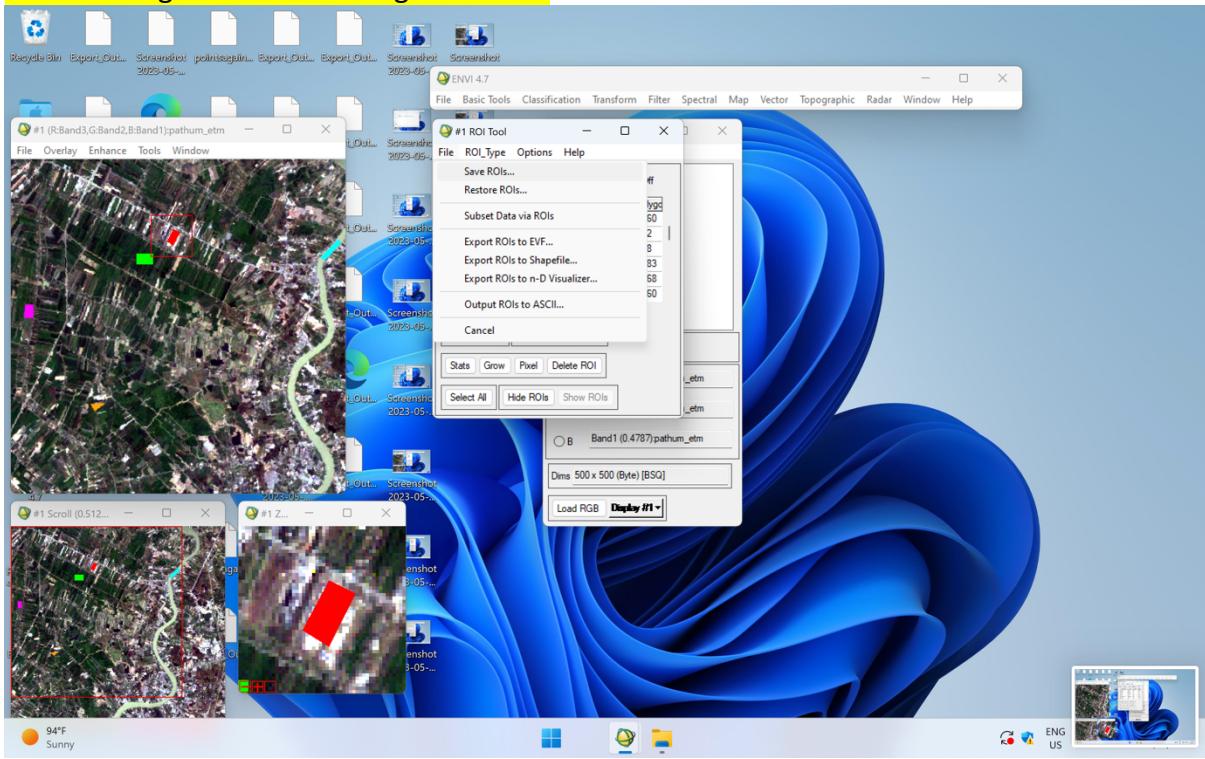
### Selecting Regions one by one

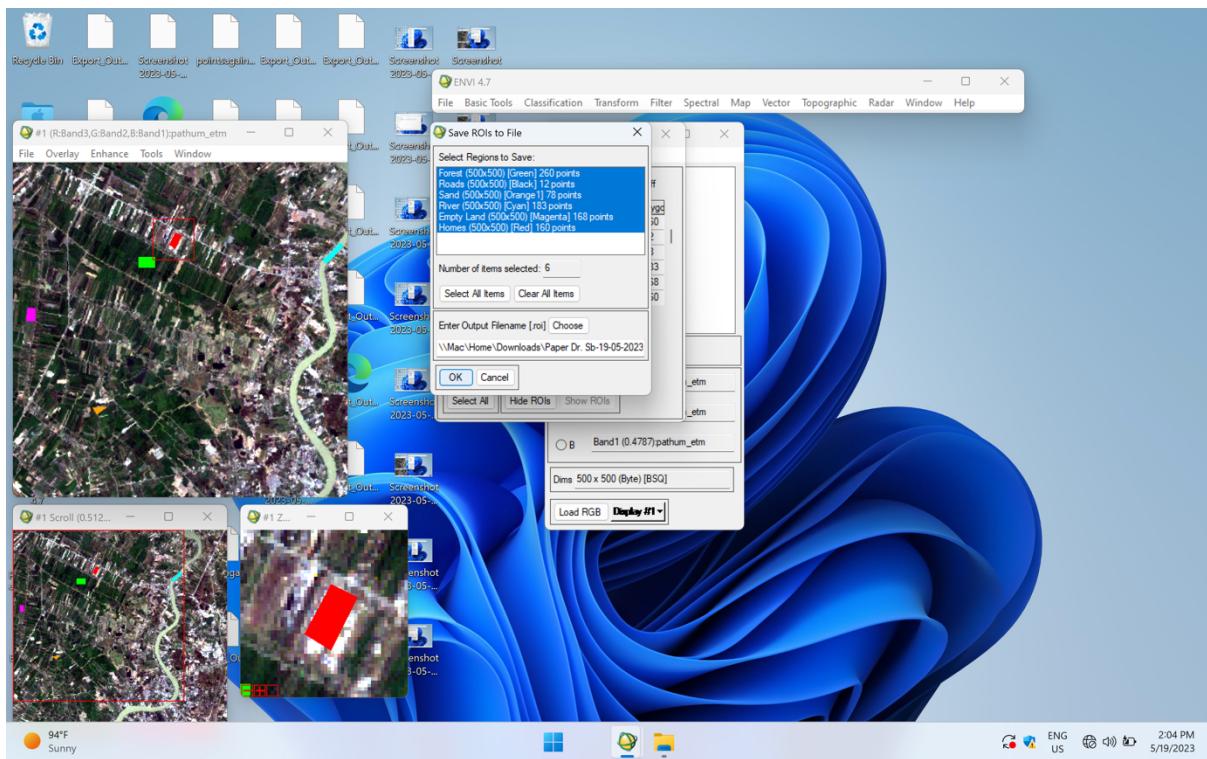




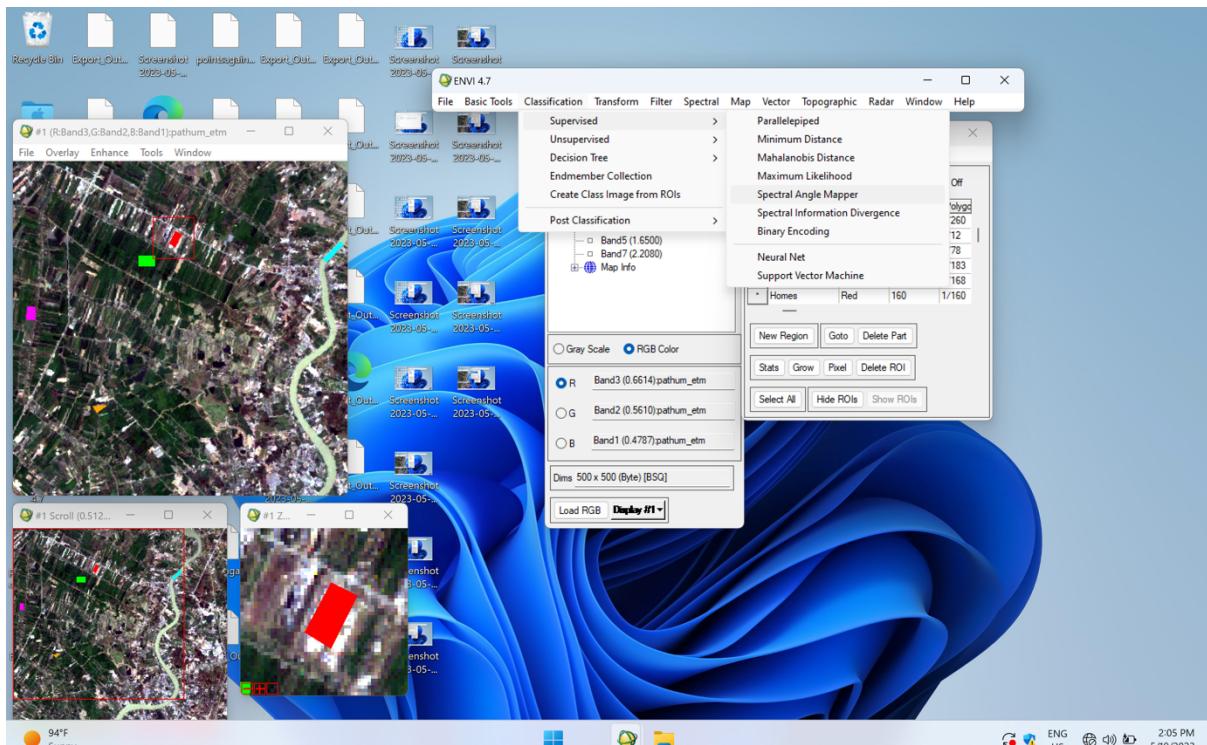


After Making the classes saving the roi file

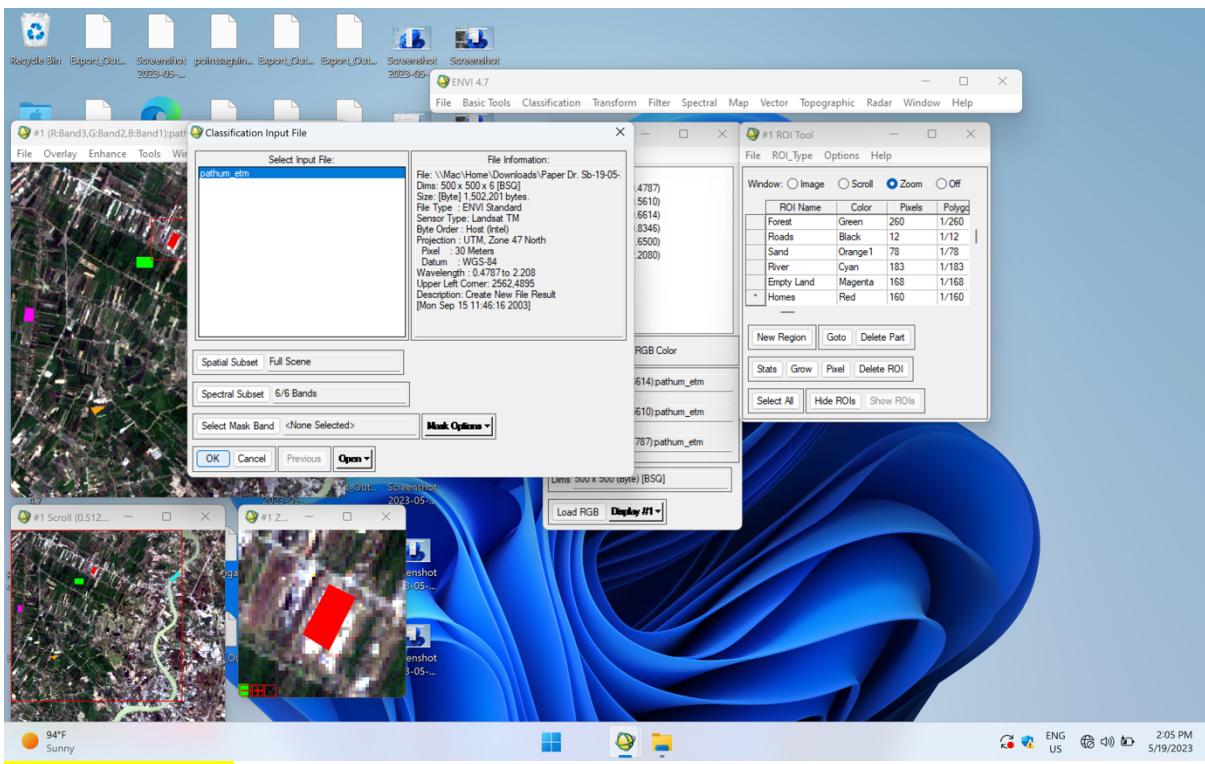




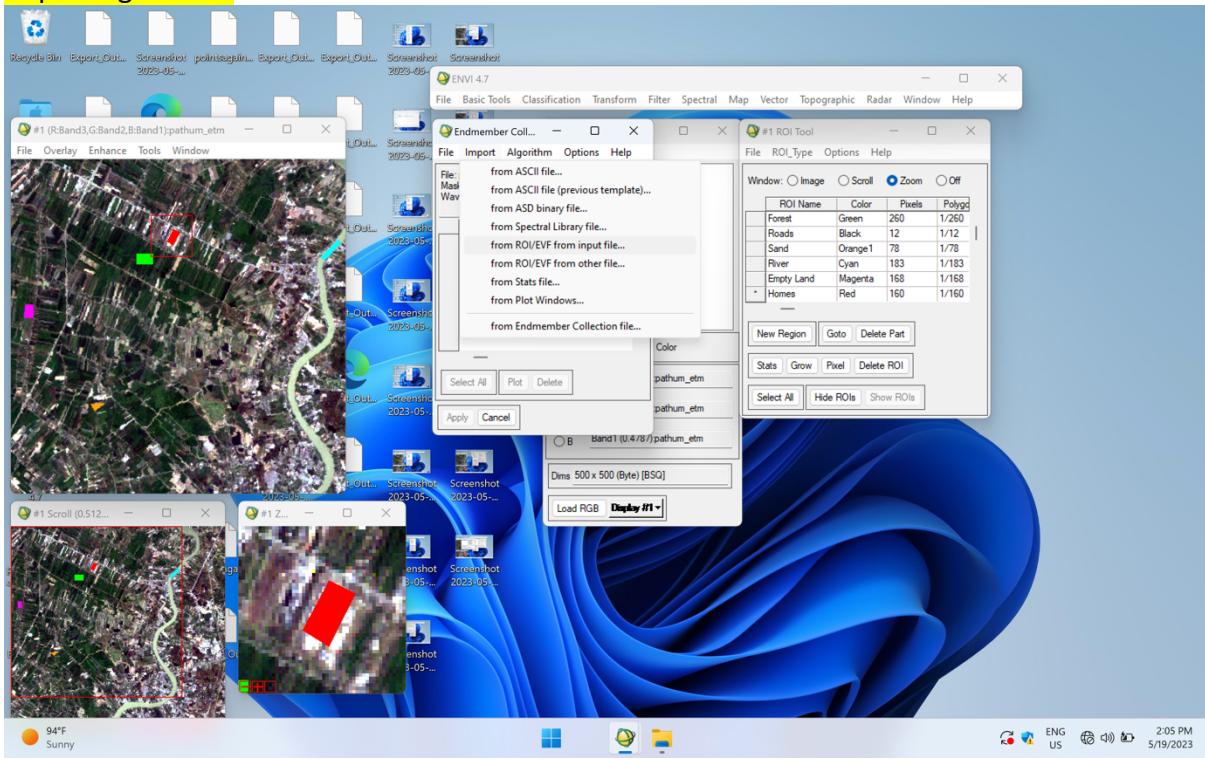
## Now Performing the Supervised Classification

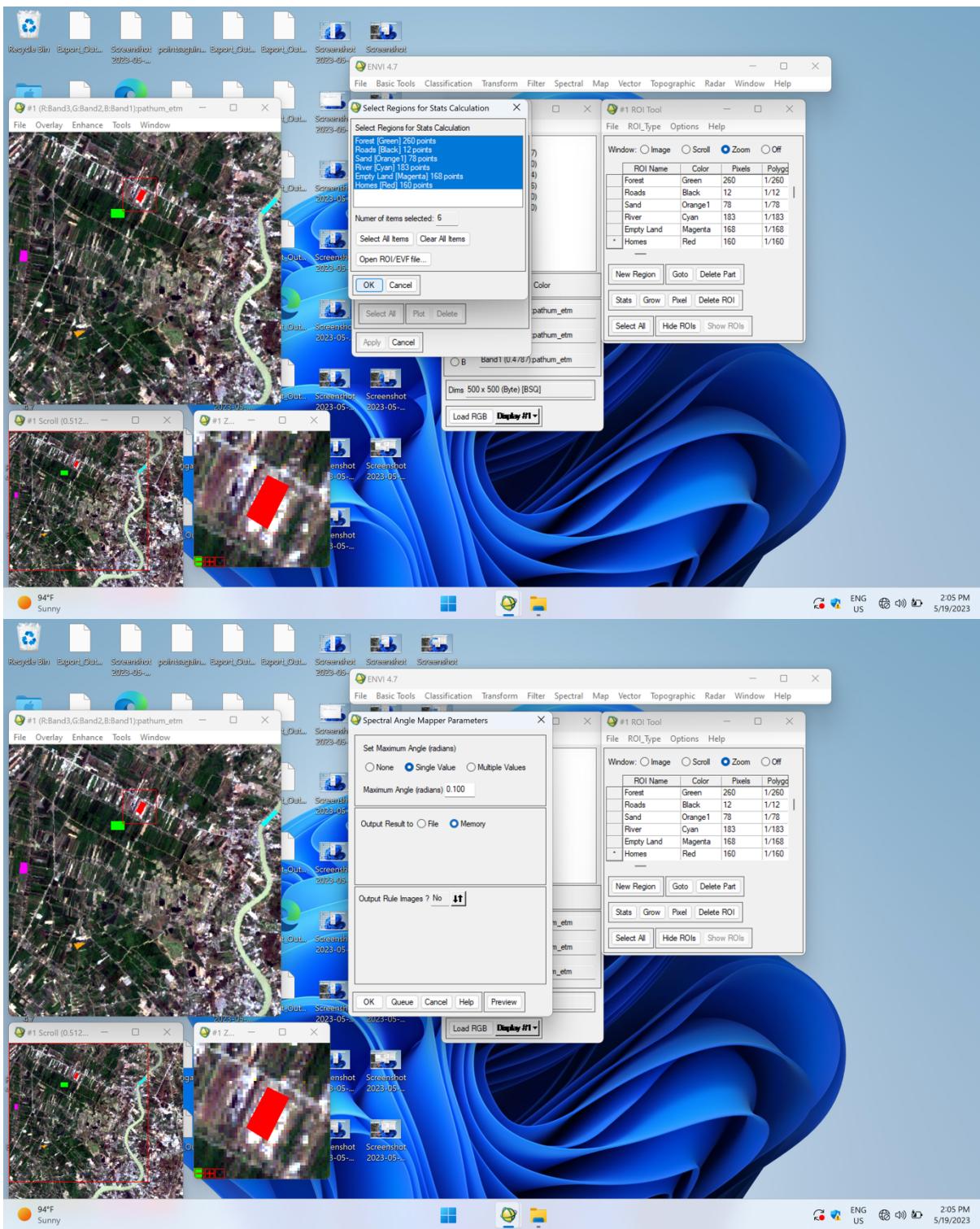


## Importing the tif file

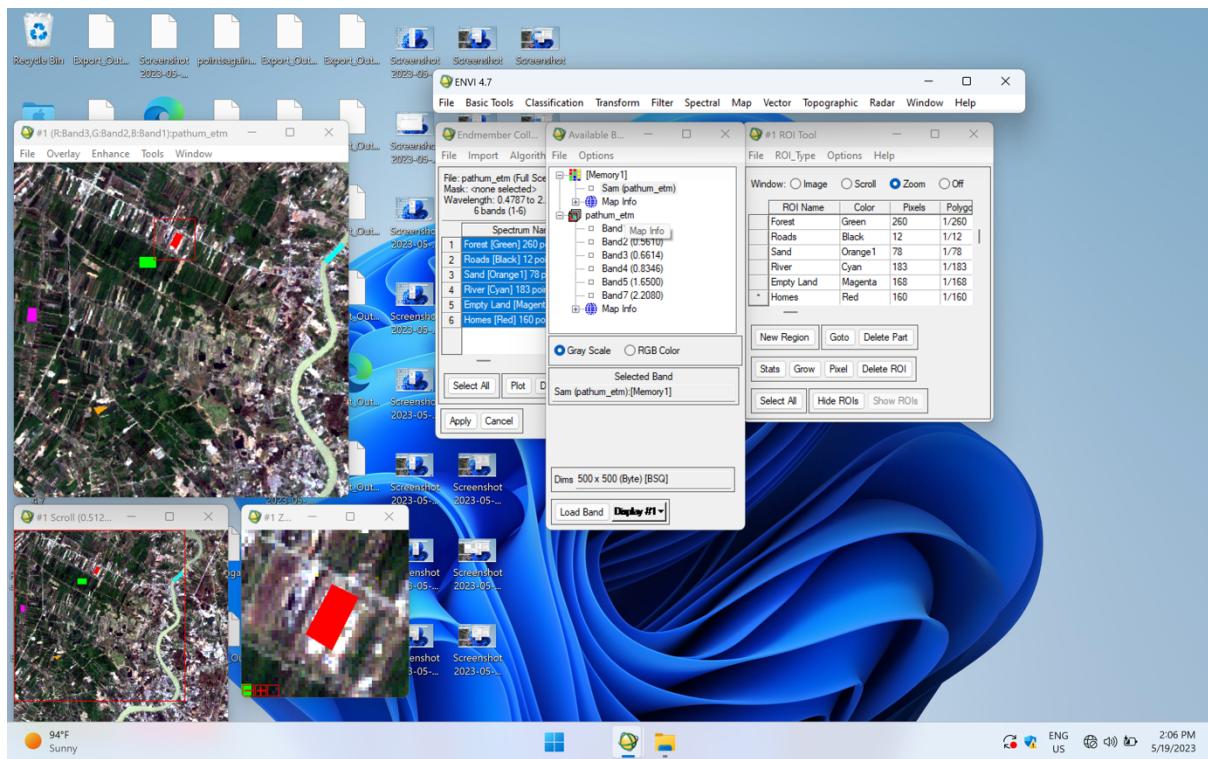


### Importing ROI file

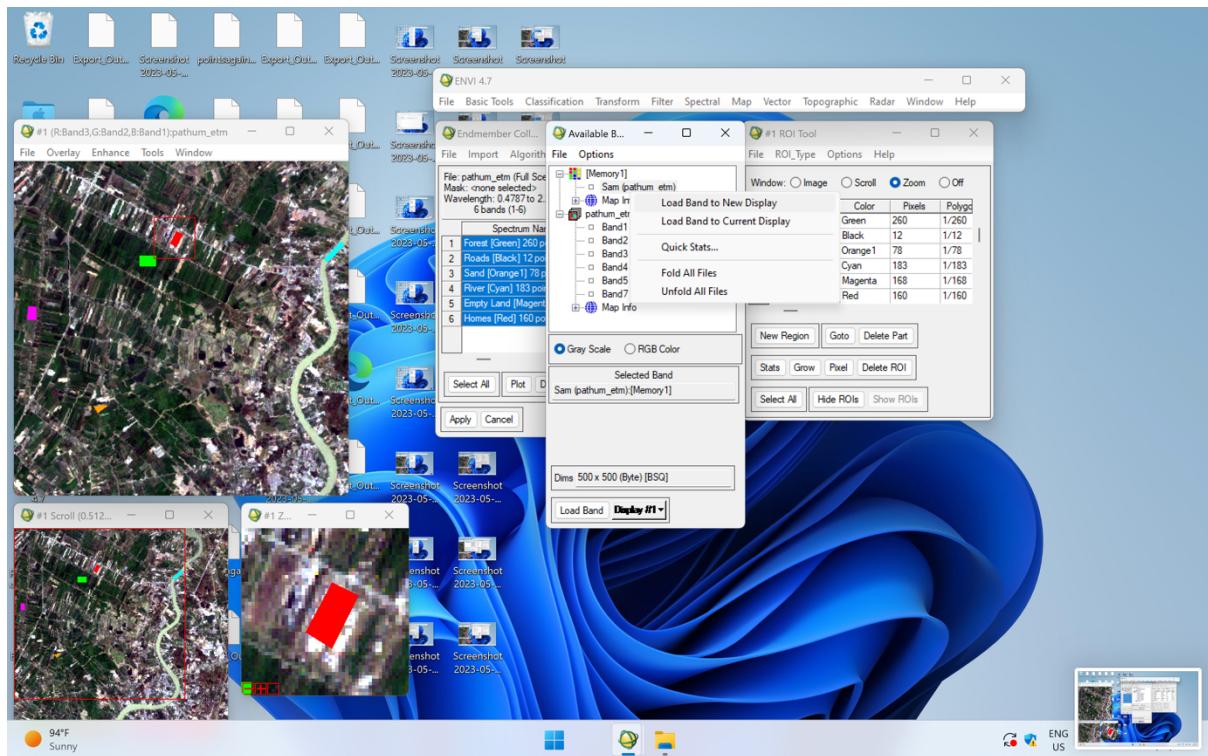


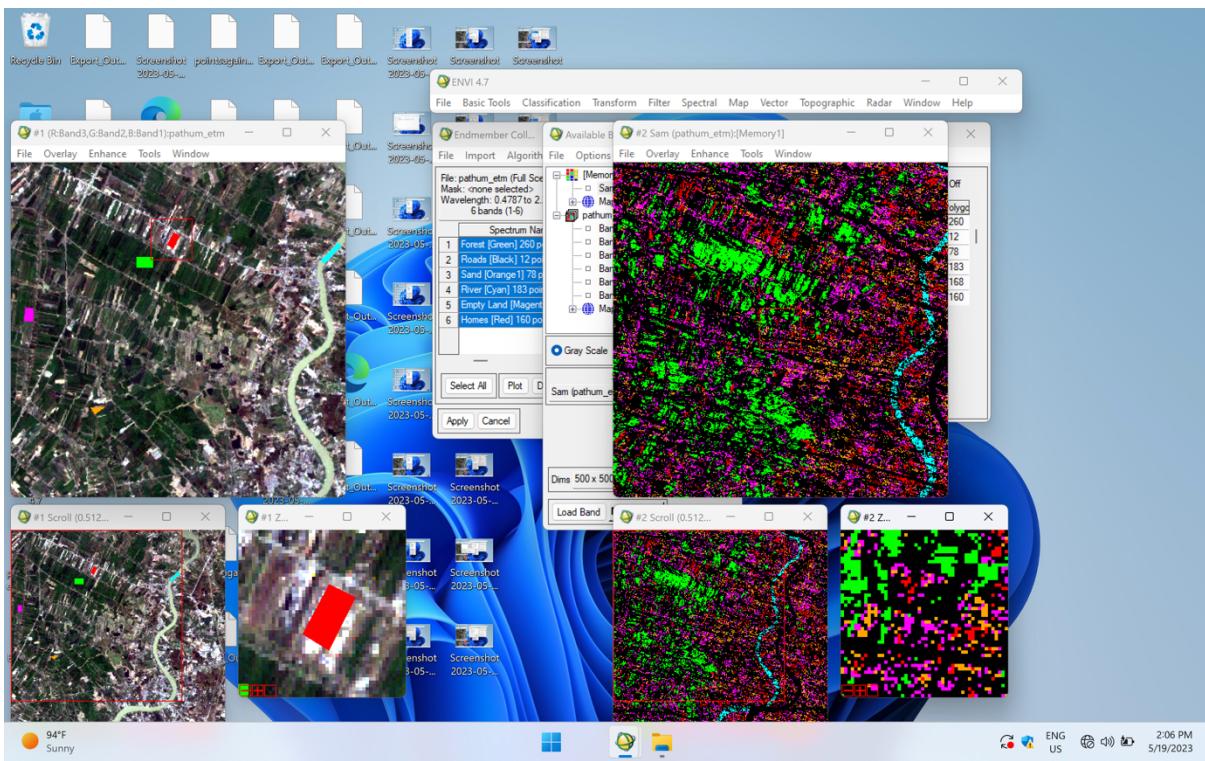


The output file is now generated

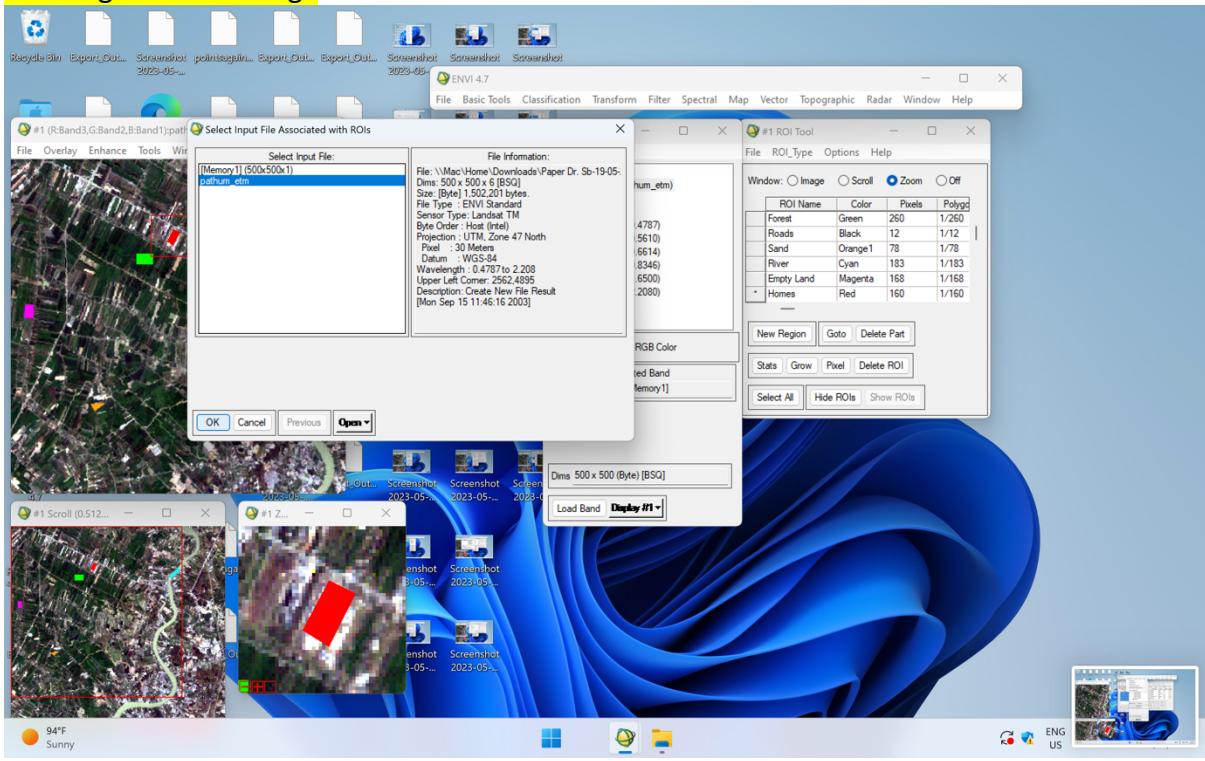


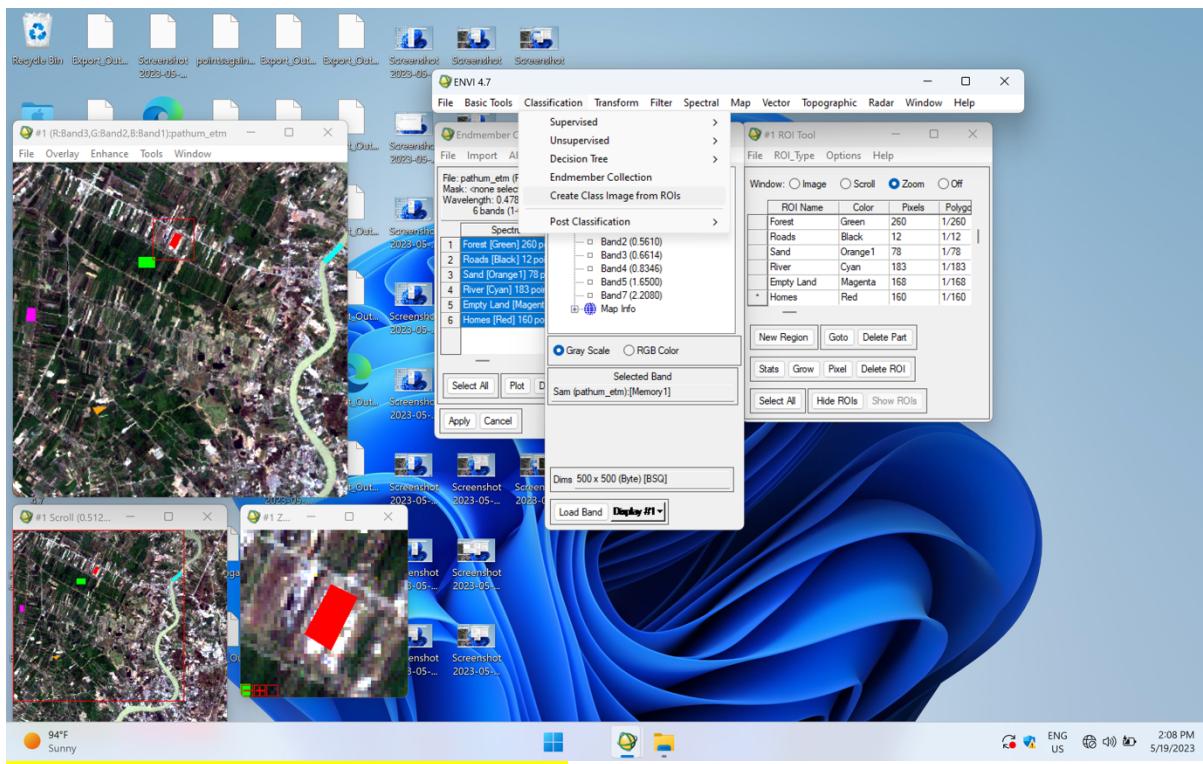
## Showing on another display



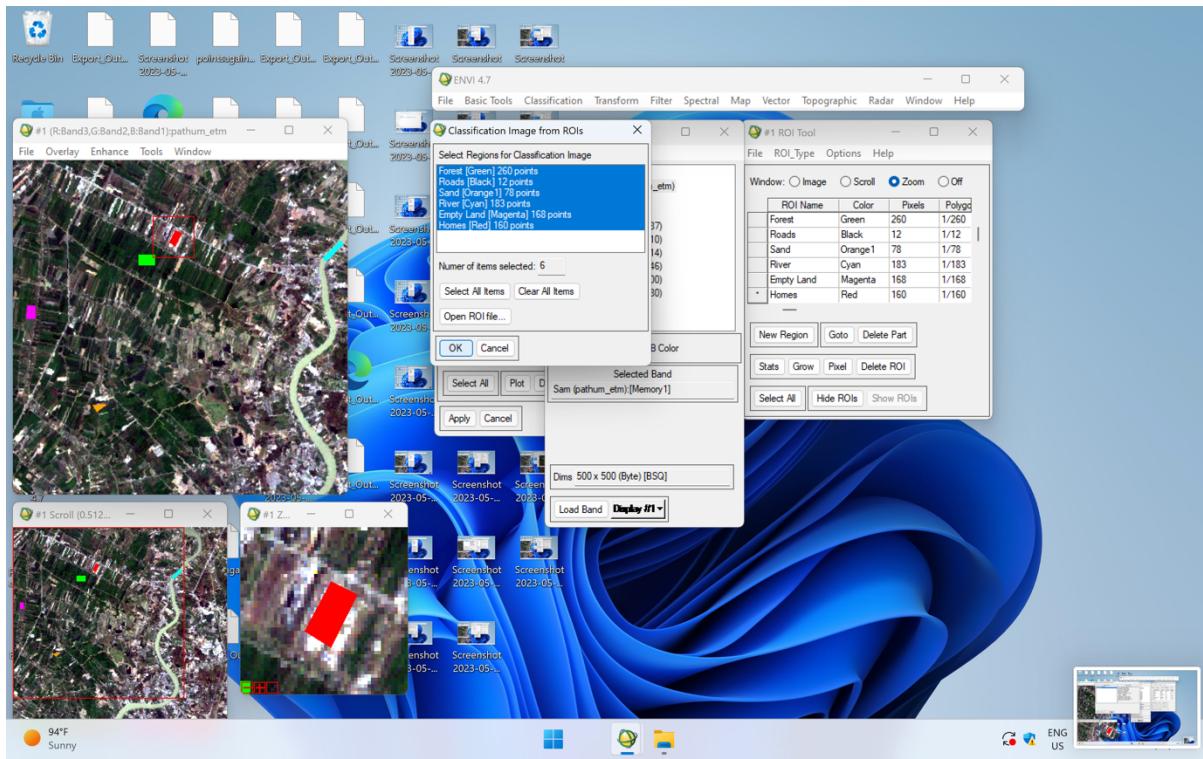


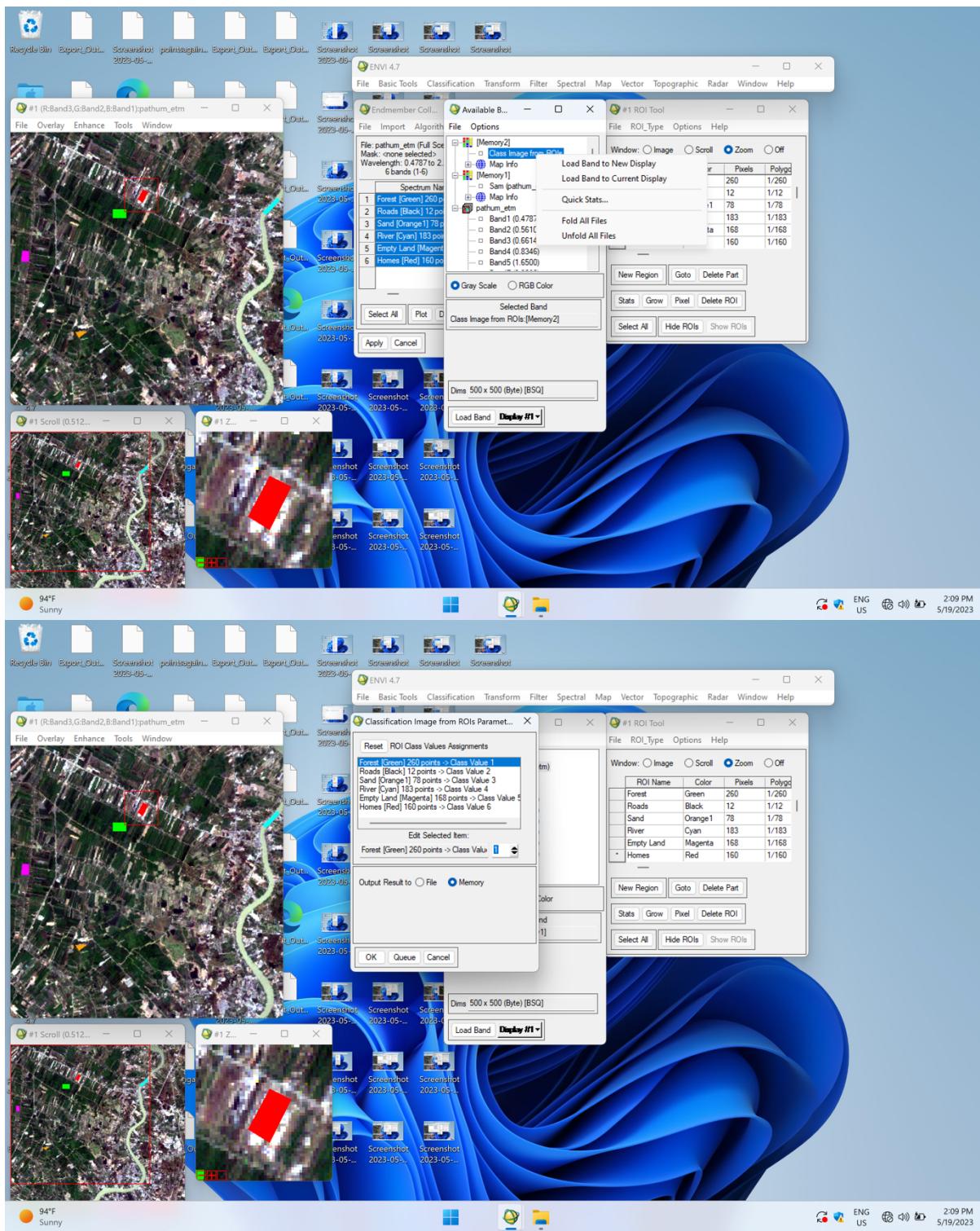
## Creating the class image



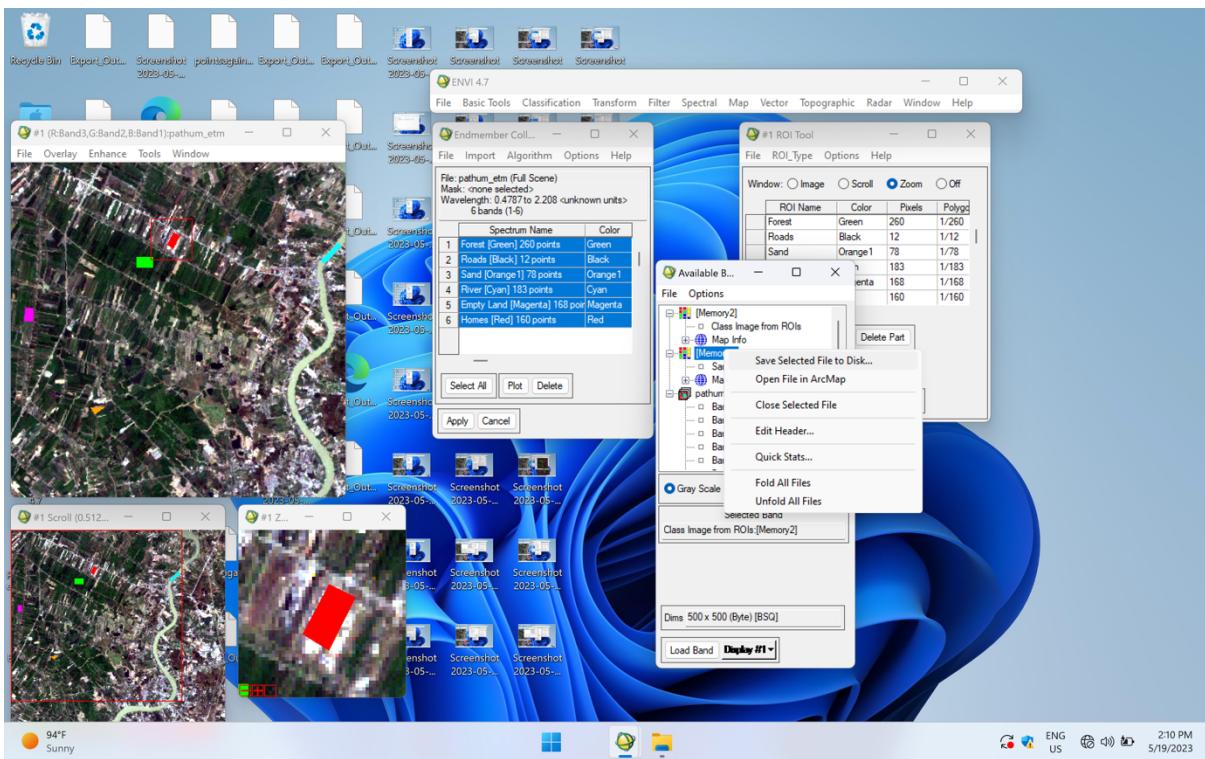


Classification of the image from the ROI file

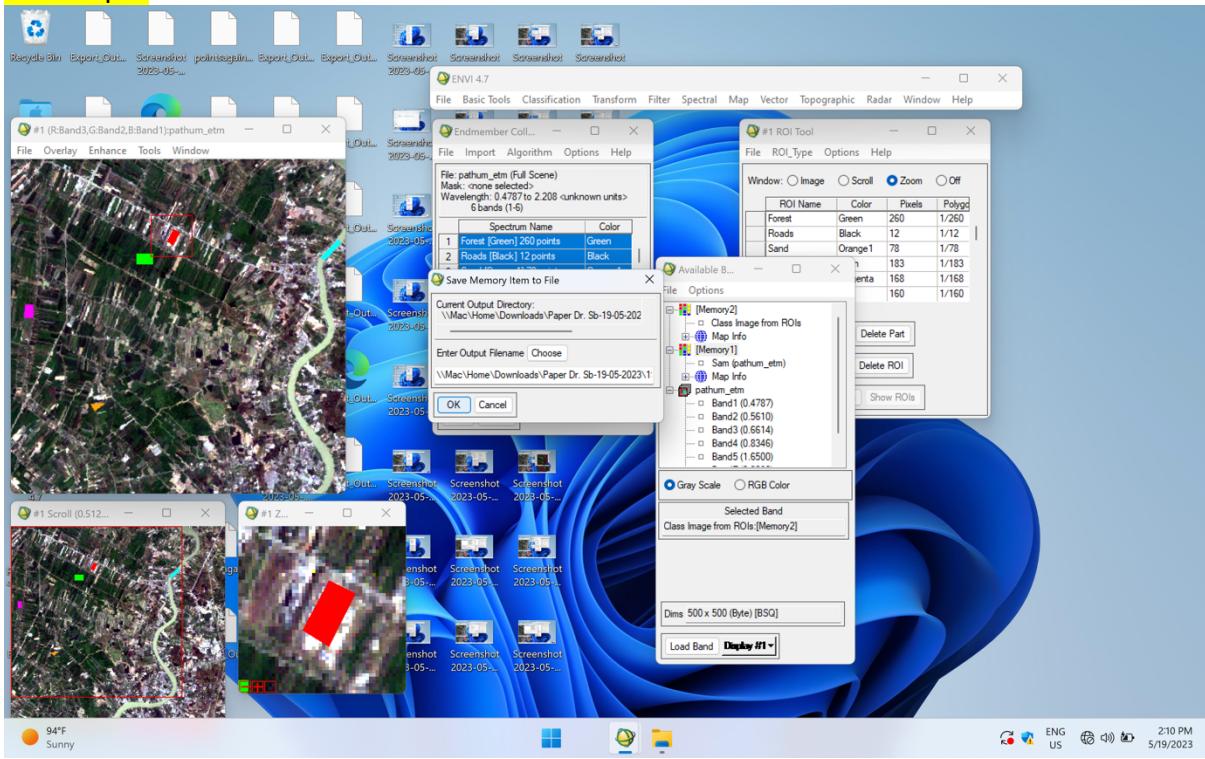




Saving the file on the disk



## The output



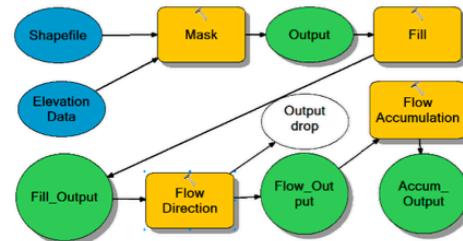
## Question 2:

# Supervised Classification

**Q.2. Develop the following module in ArcMap based on the following inputs. (20 marks)**

i. Input must be from the following district. (10)

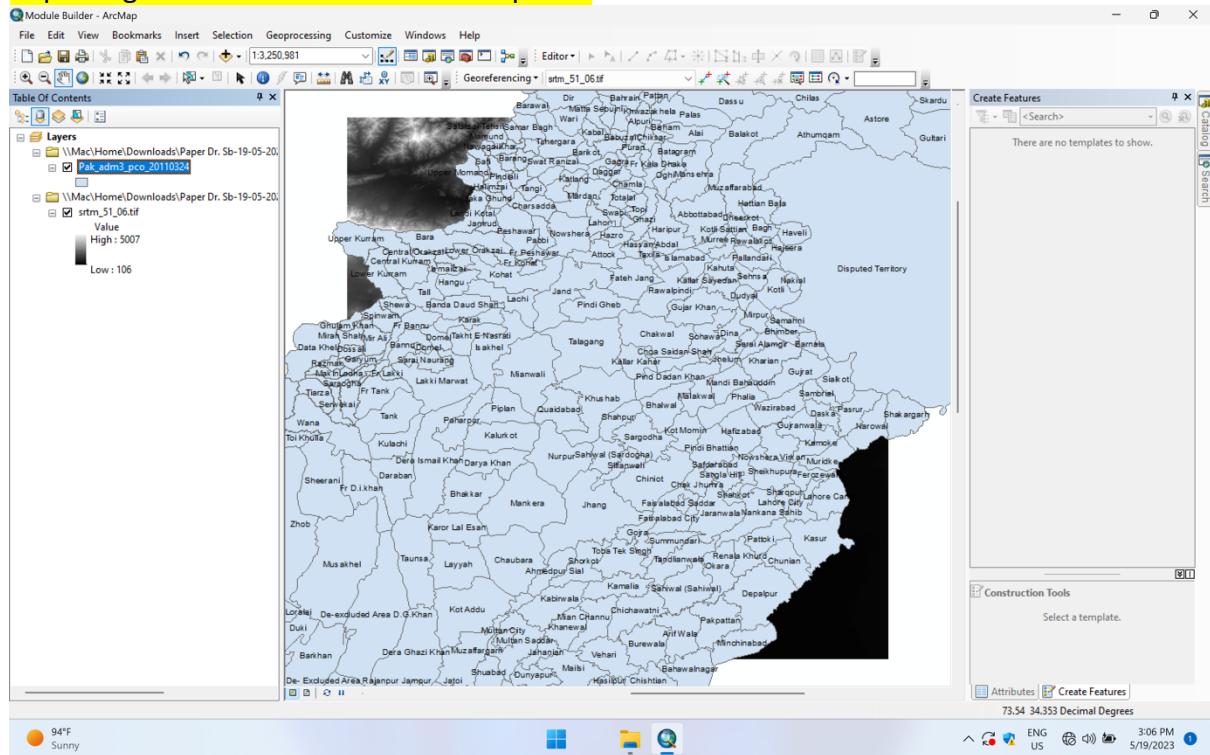
District	Names Started From	District	Names Started From
Abbottabad	A to C	Khyber Agency	S to T
Bajaur Agency	D to F	Malakand P.a.	U to V
Batagram	G to I	Mardan	W to X
Buner	J to L	Mohmand Agency	Y to Z
Haripur	N to O	Muzaffarabad	M
Hattian	P to R		



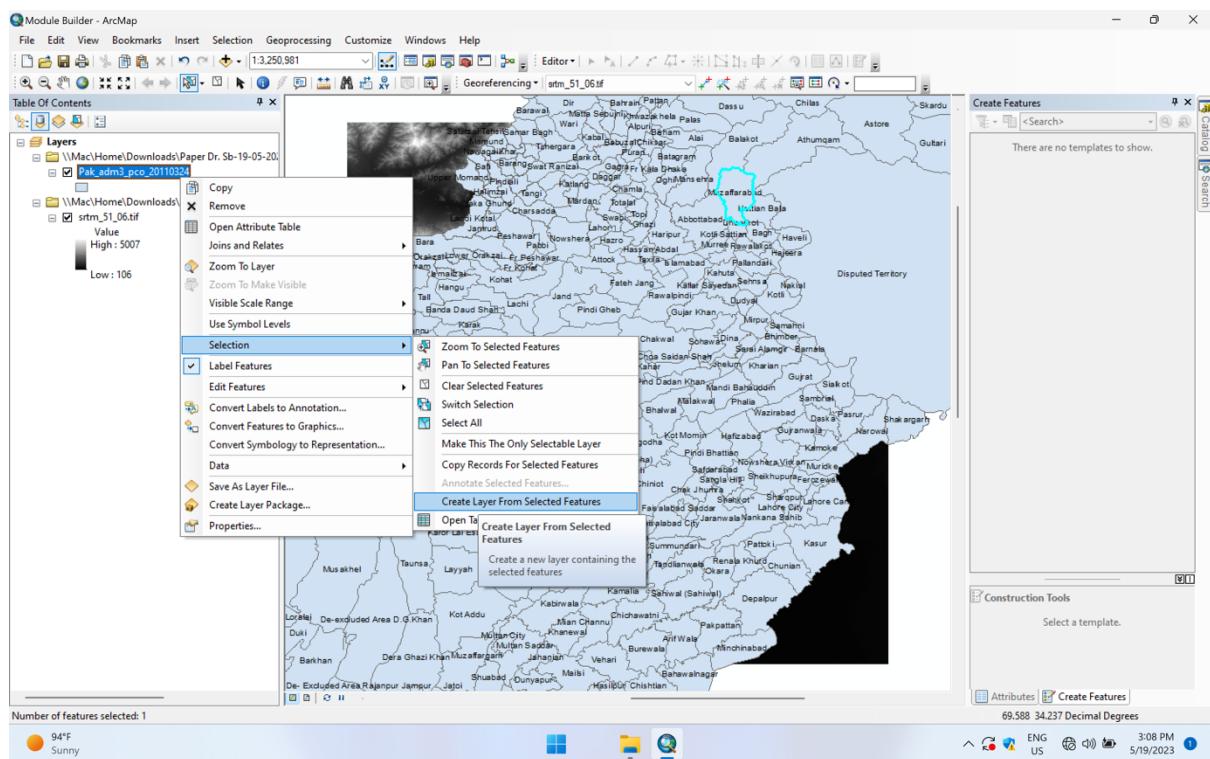
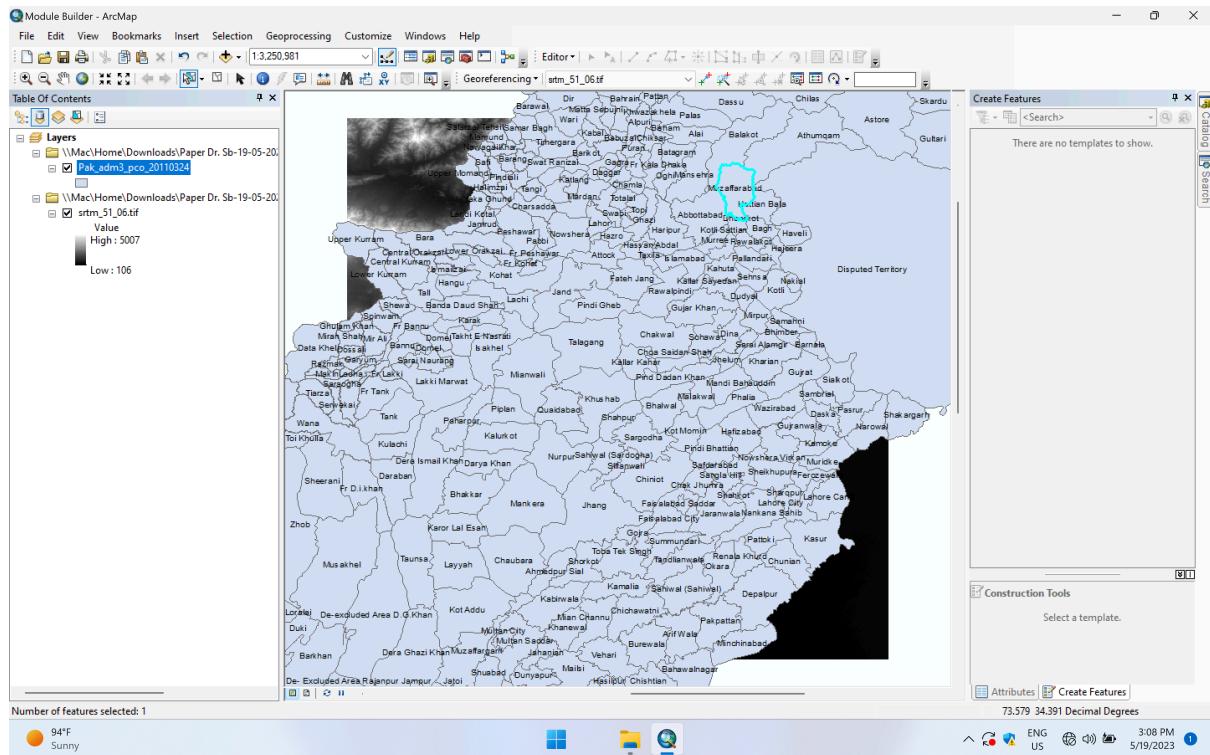
ii. Calculate the Maximum Flow using the formula using the conditional operator. (5)

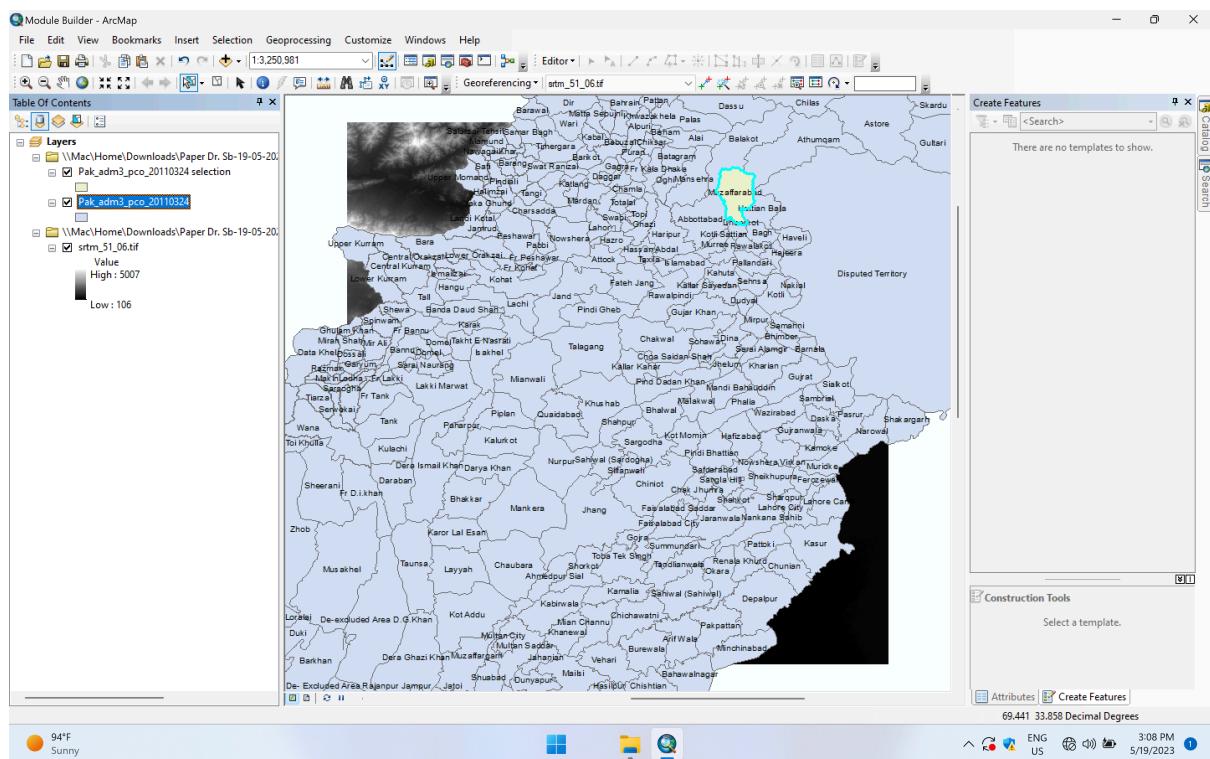
iii. Convert the output into Vector dataset and export the maximum flow as KML file. (5)

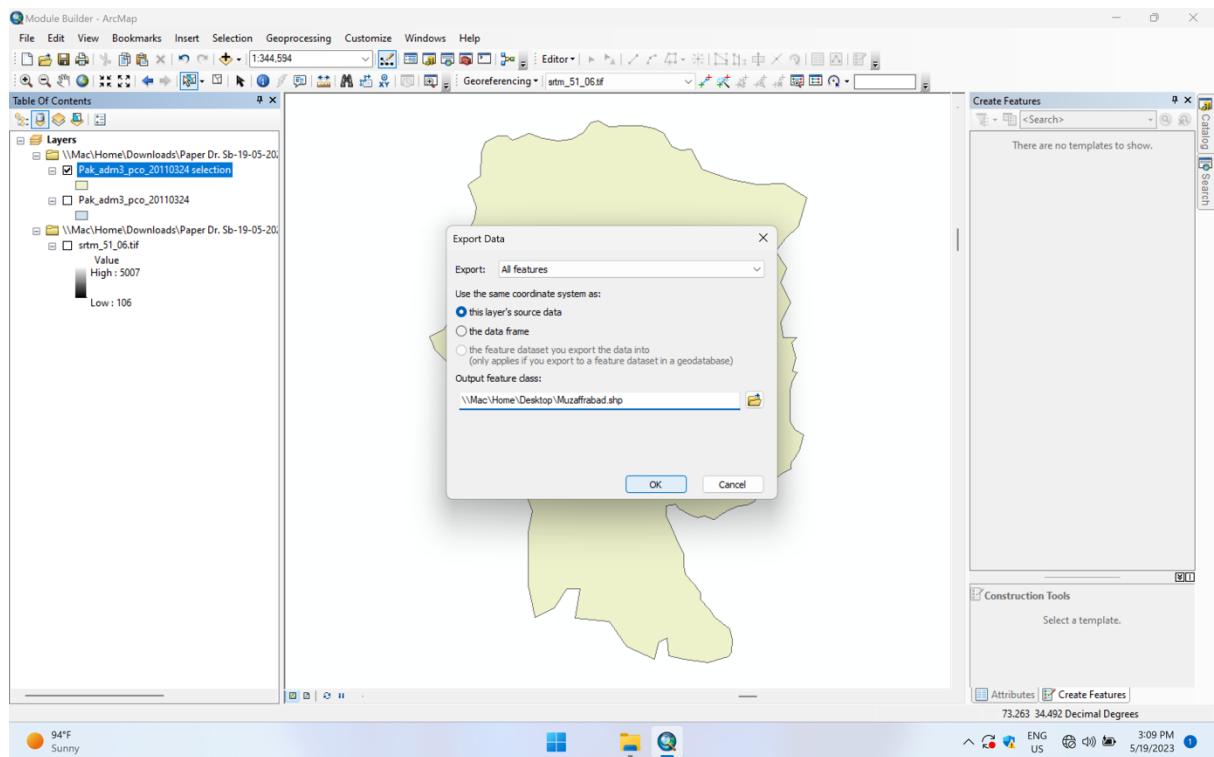
## Importing both tif file and Pakistan shape file

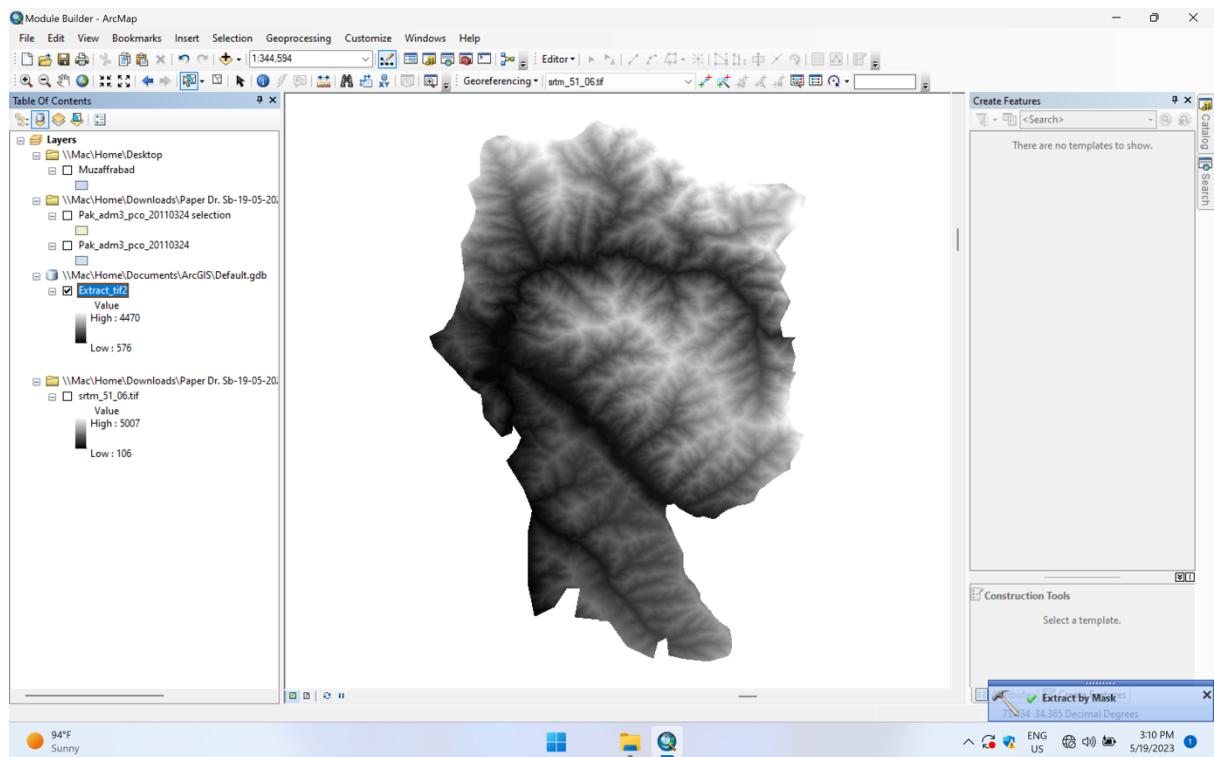


## M-> Muzaffarabad -> Muhammad Zain

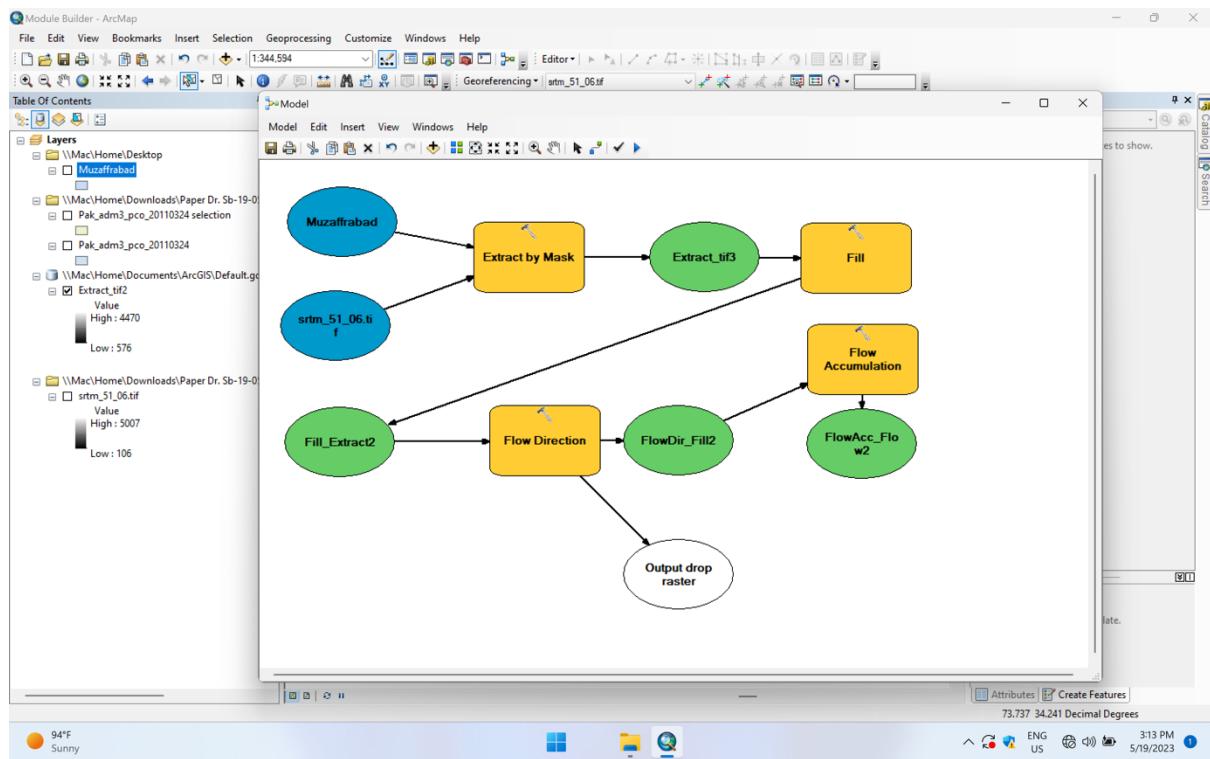




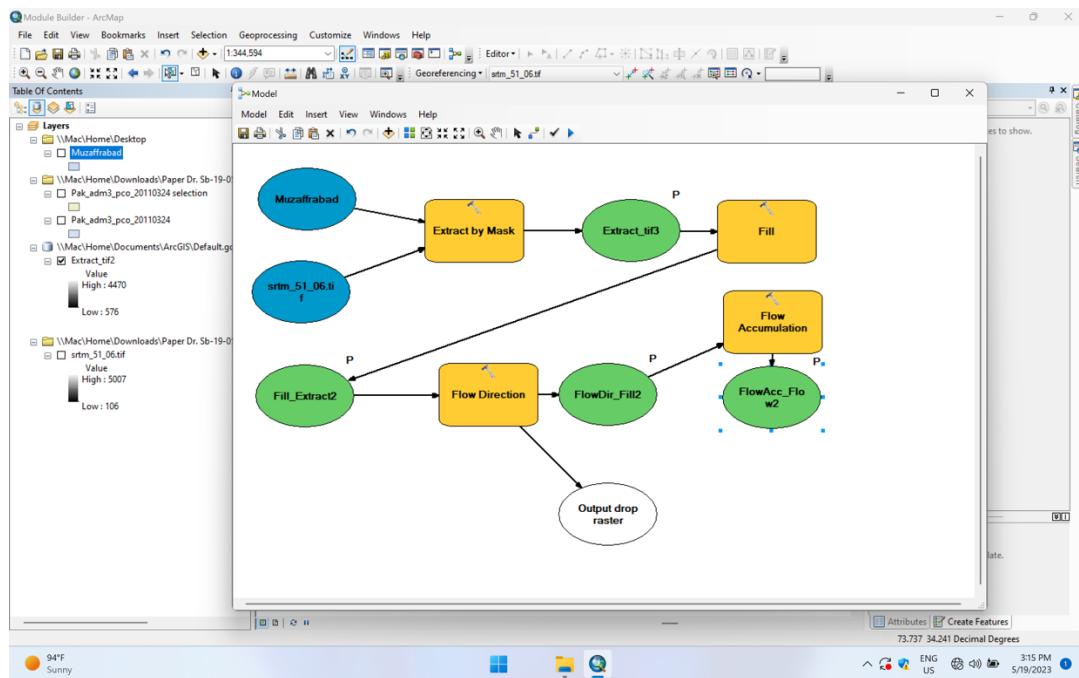




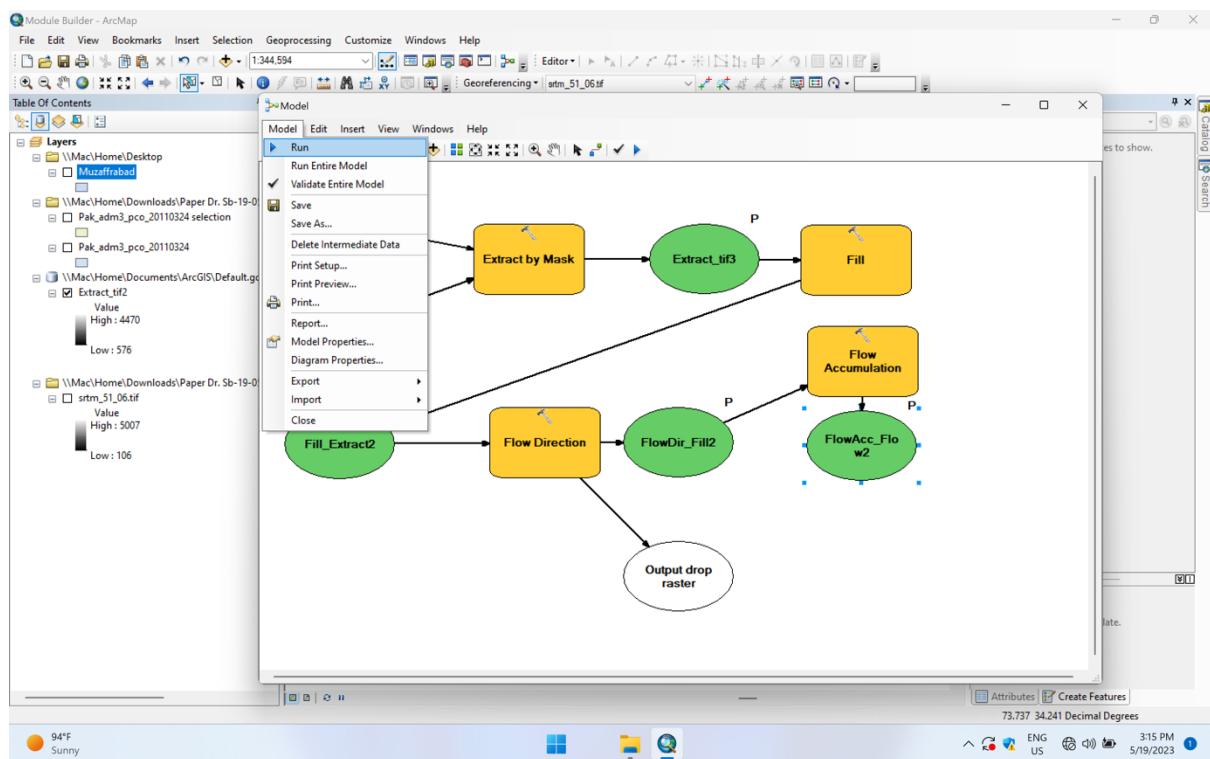
Importing Simple Muzaafarabd file and srtm file and generated the model as given

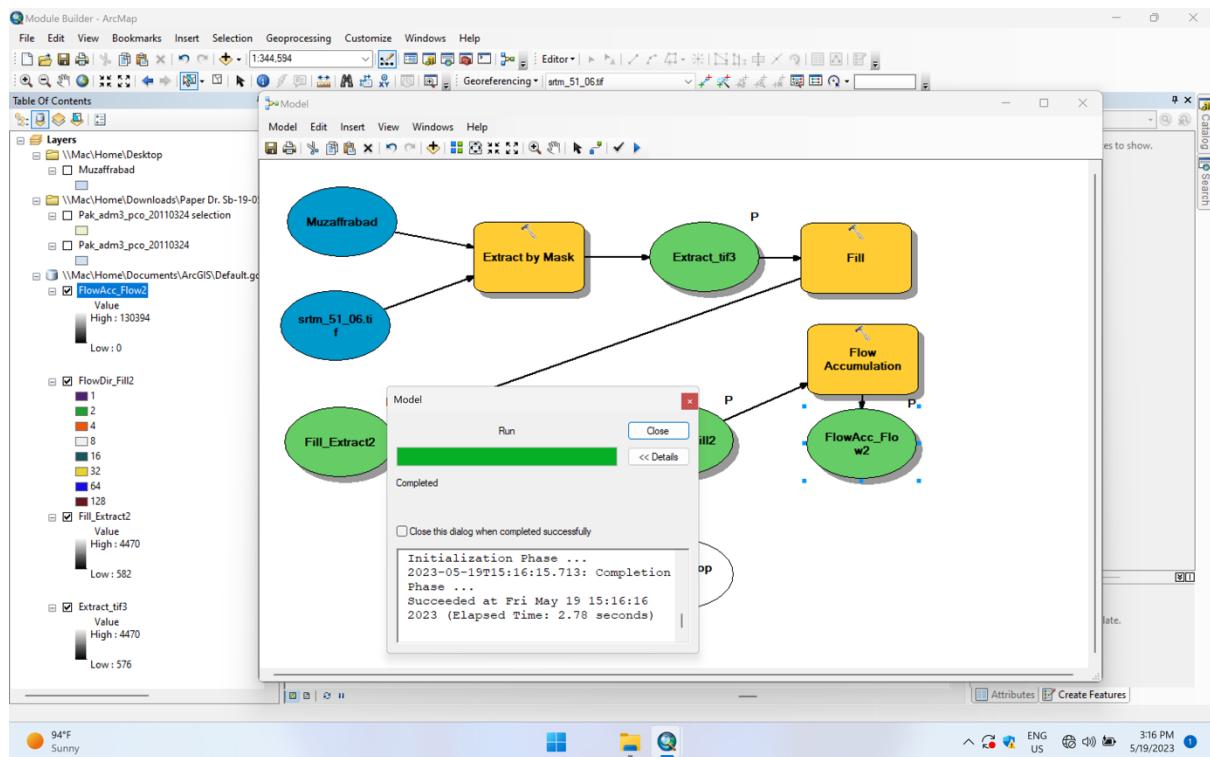


Model Parameter and add to display on all of the outputs

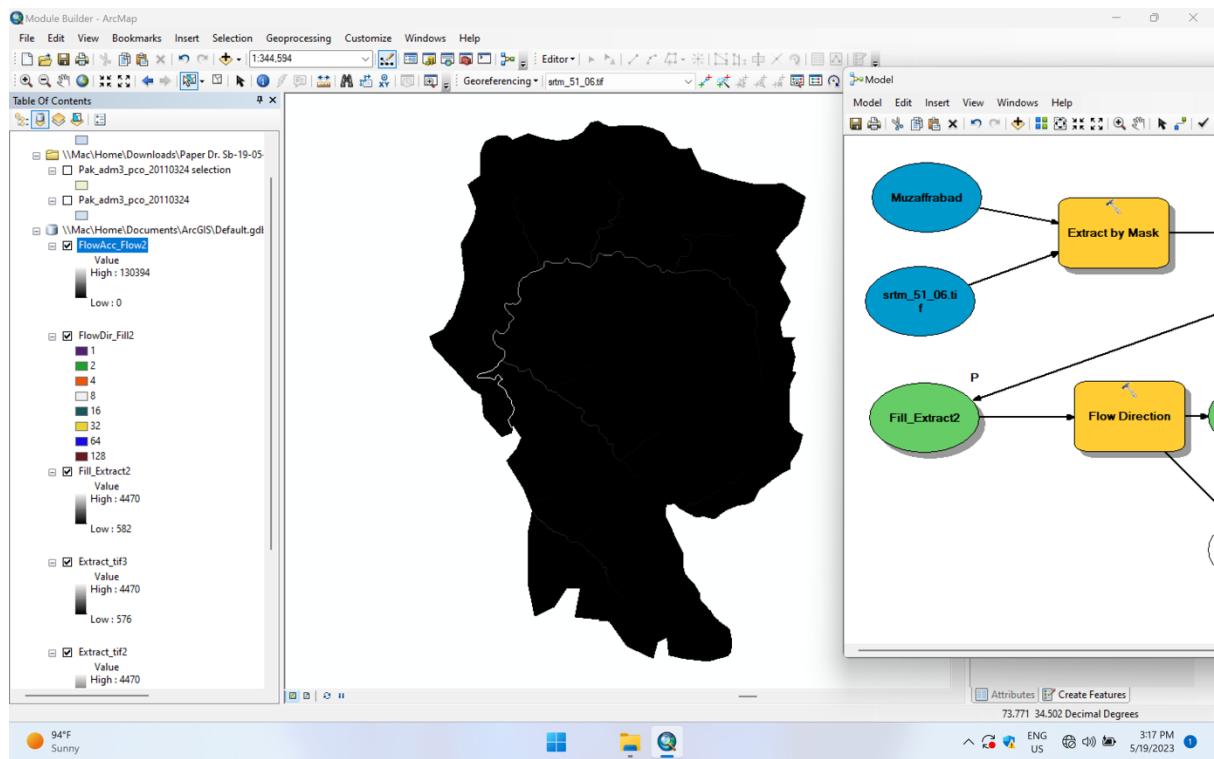


Testing

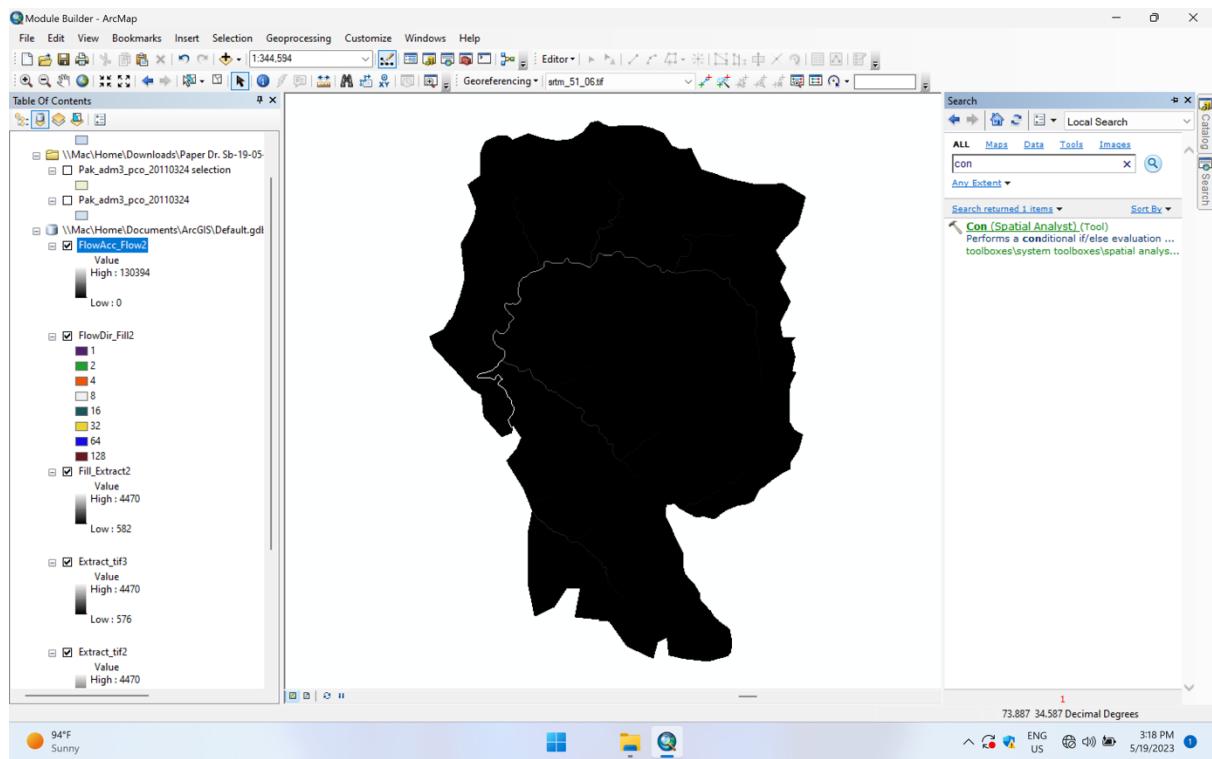




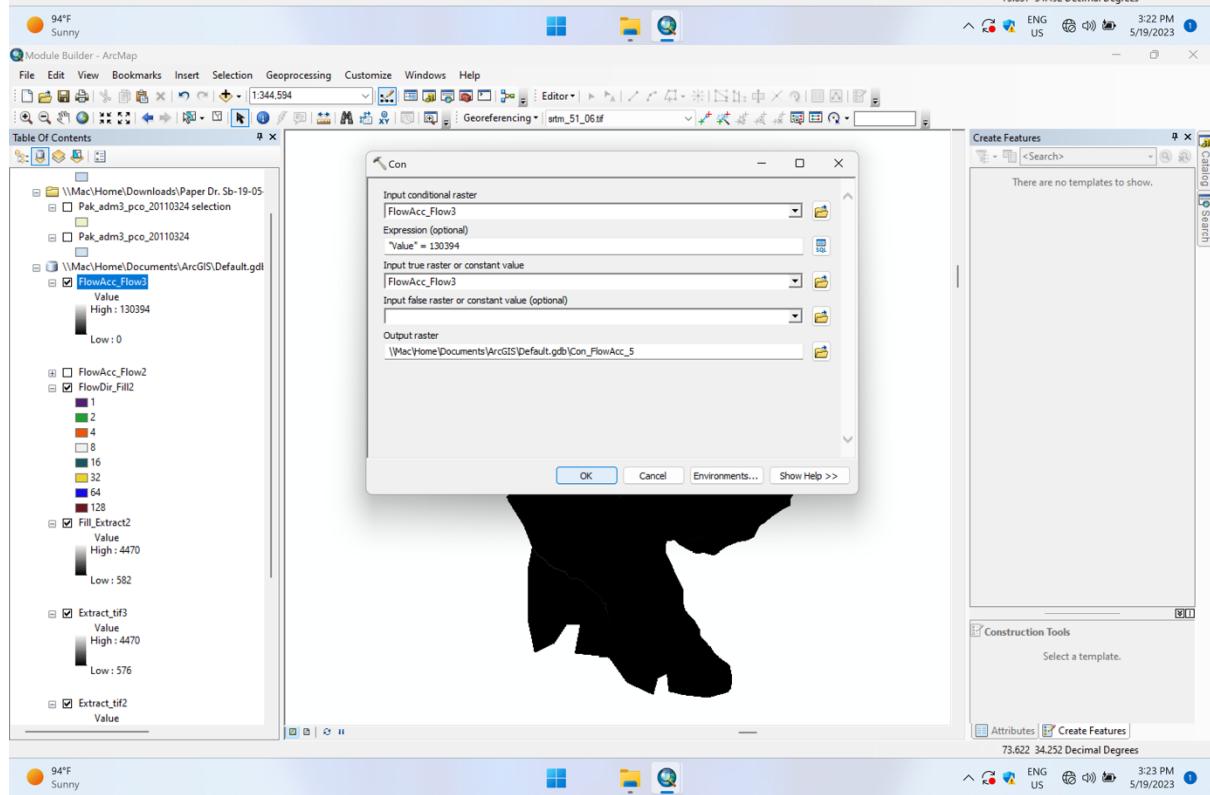
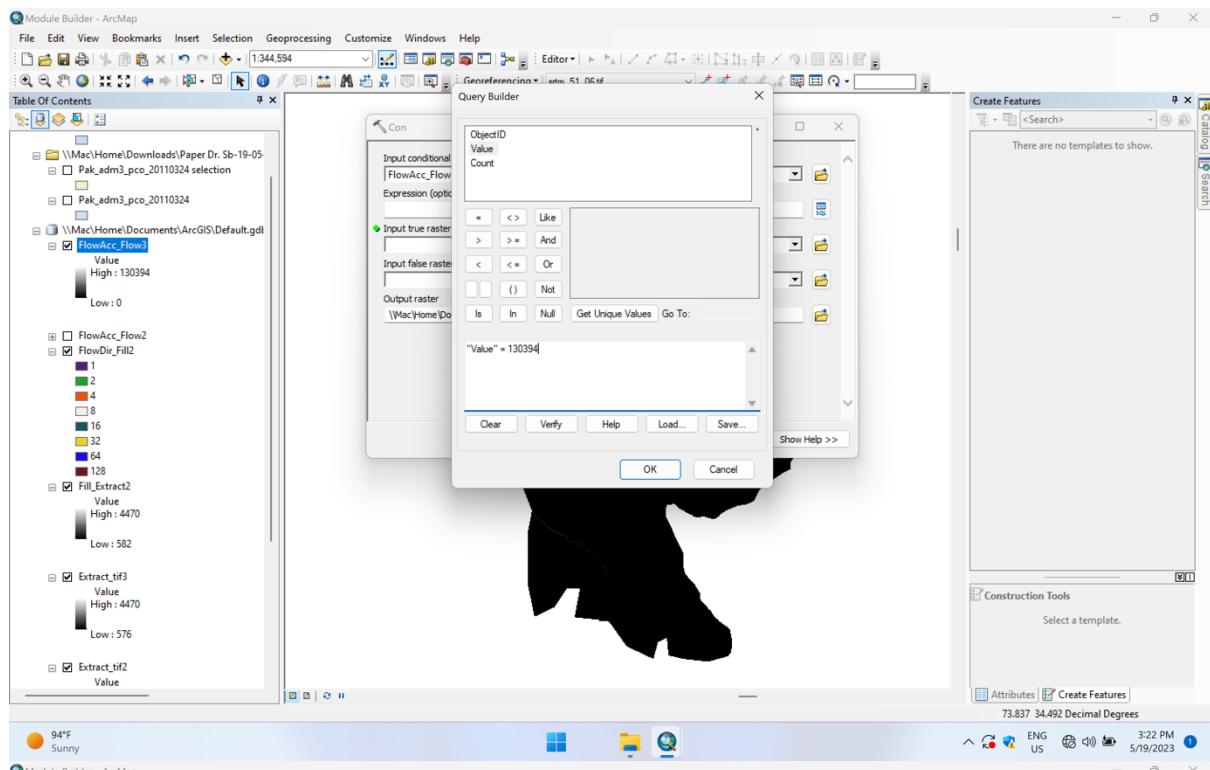
I have generated extracted tif 2 manually but after running the model Its again generated extract by mask file with tif 3 and fill flow direction and accumulation files automatically

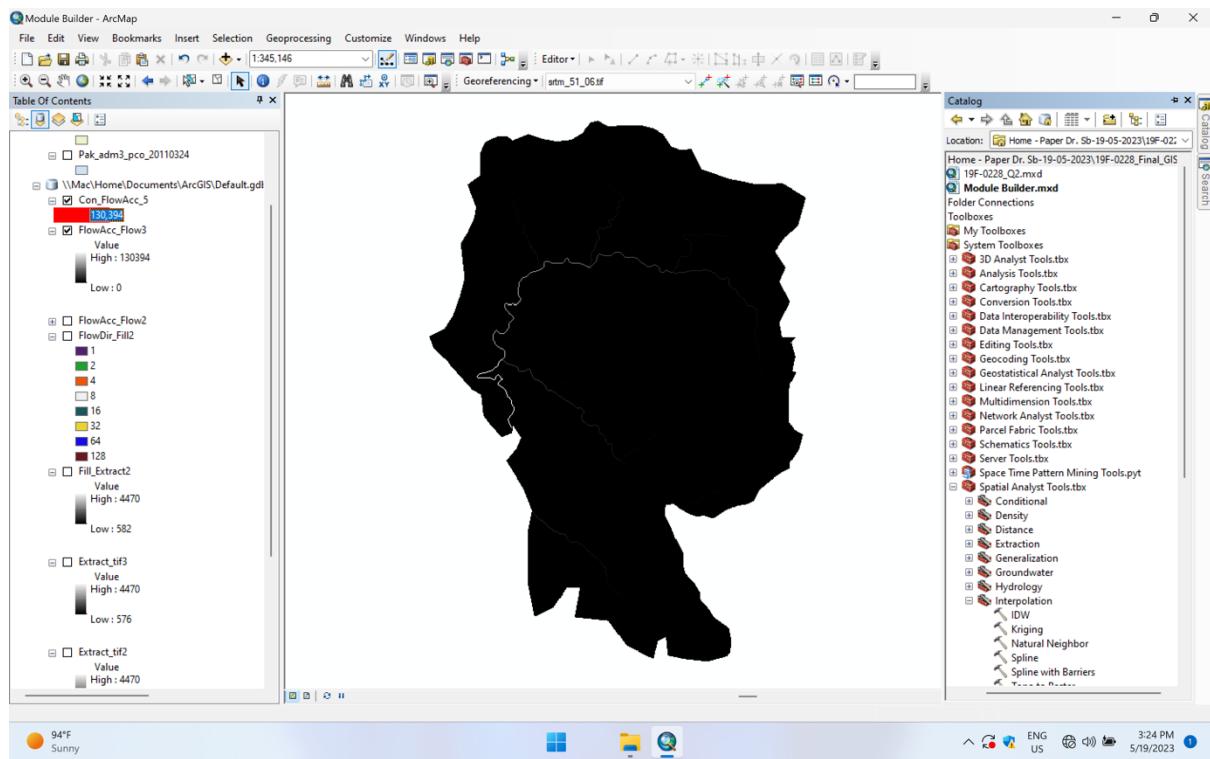


Performing the condition for max

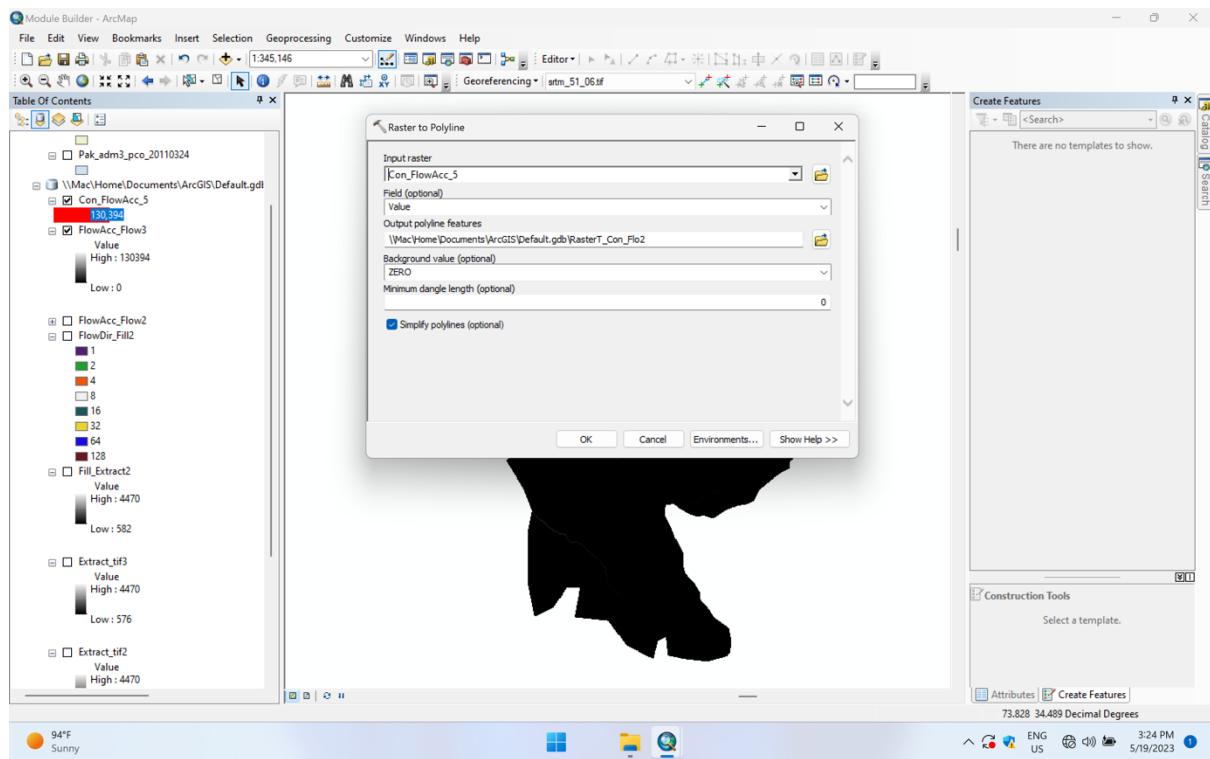


## Maximum Flow

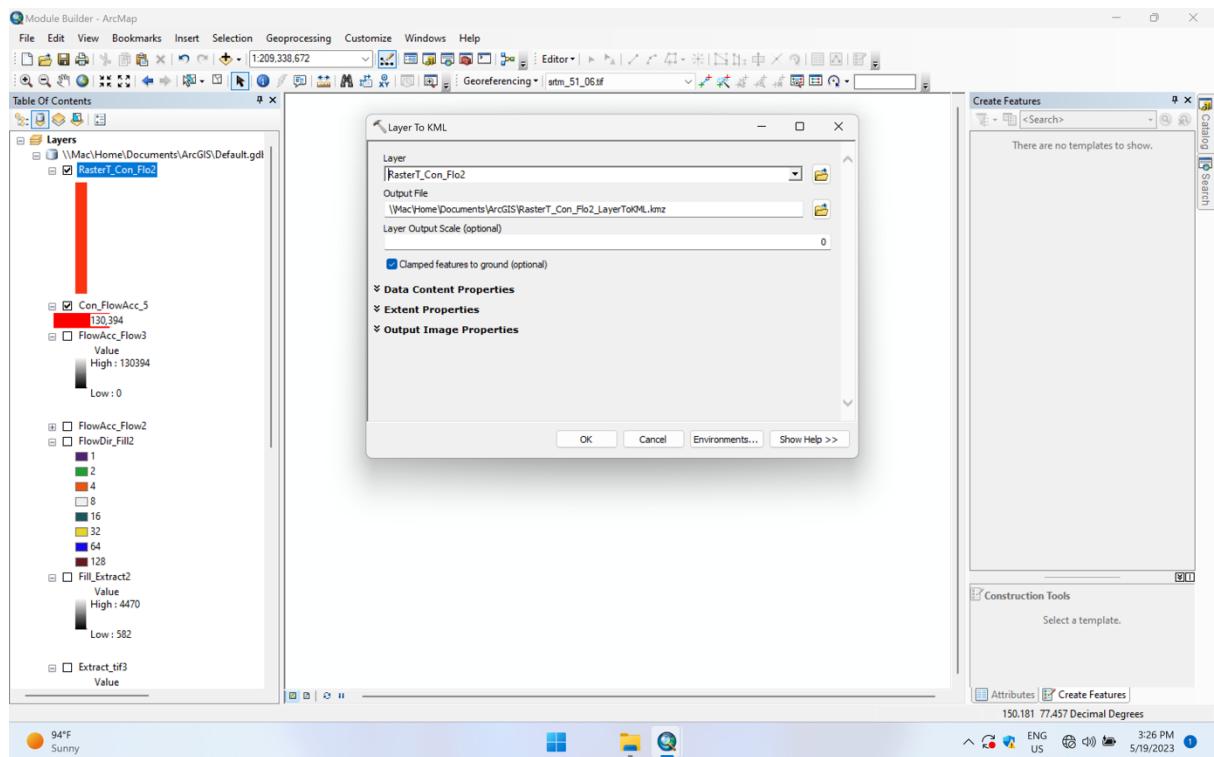


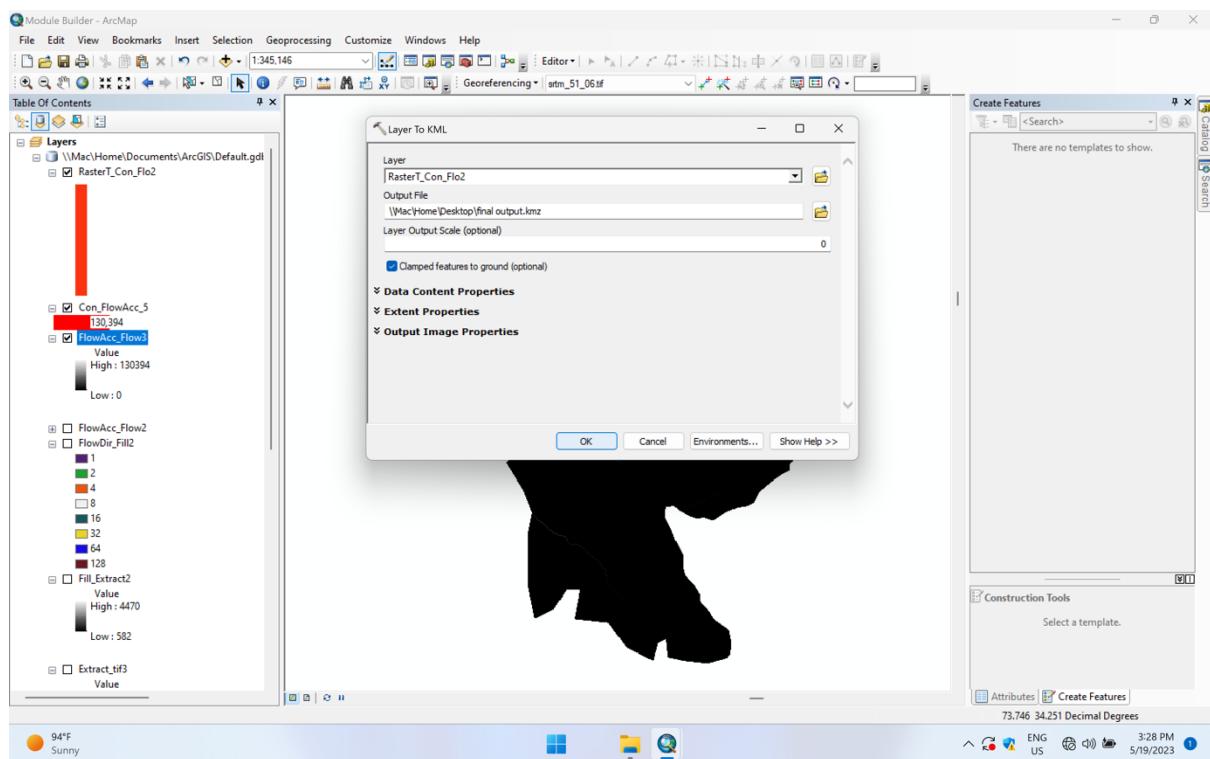


To show it into Google maps we have to export poly line into raster file



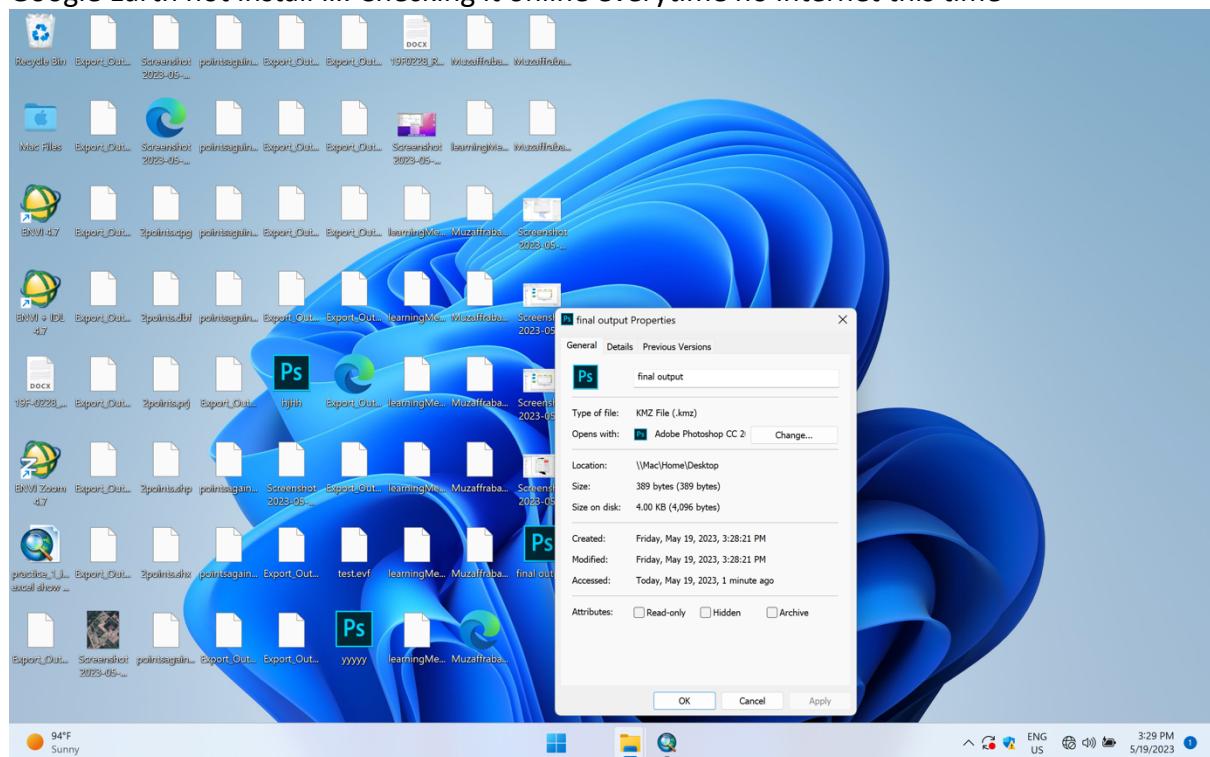
Layer to KML





## THE FINAL KML FILE

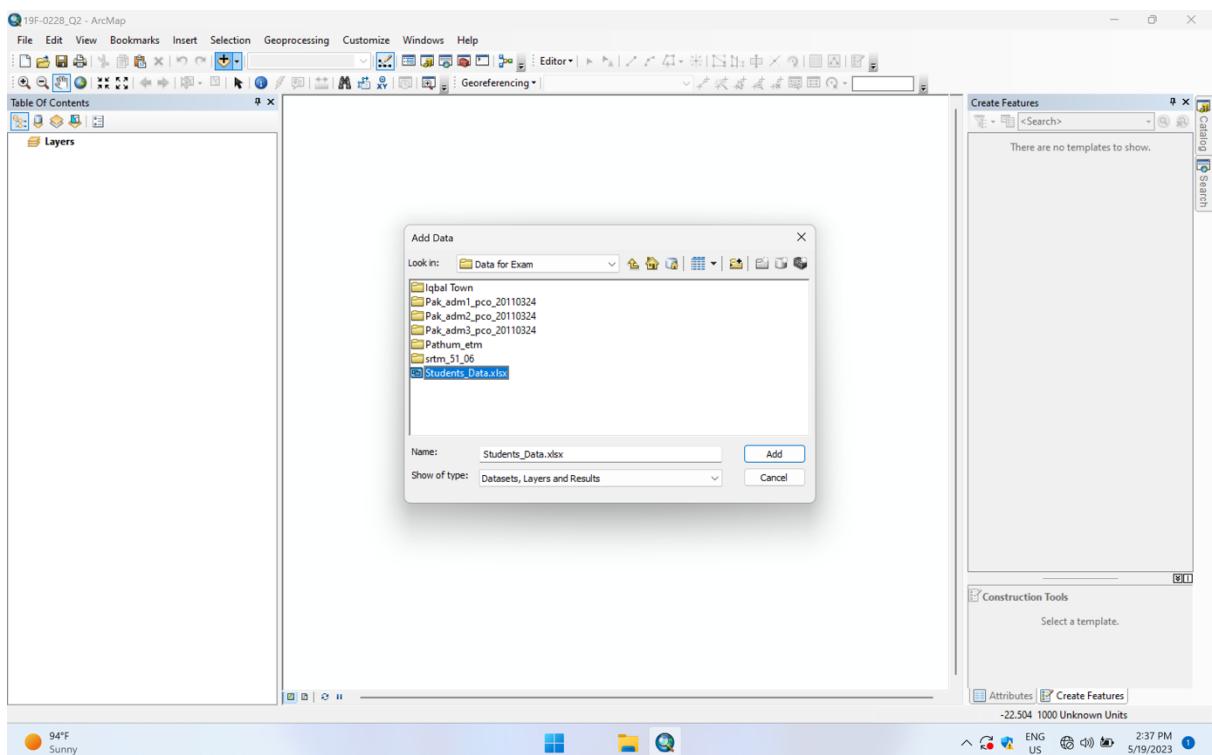
Google Earth not install .... Checking it online everytime no internet this time



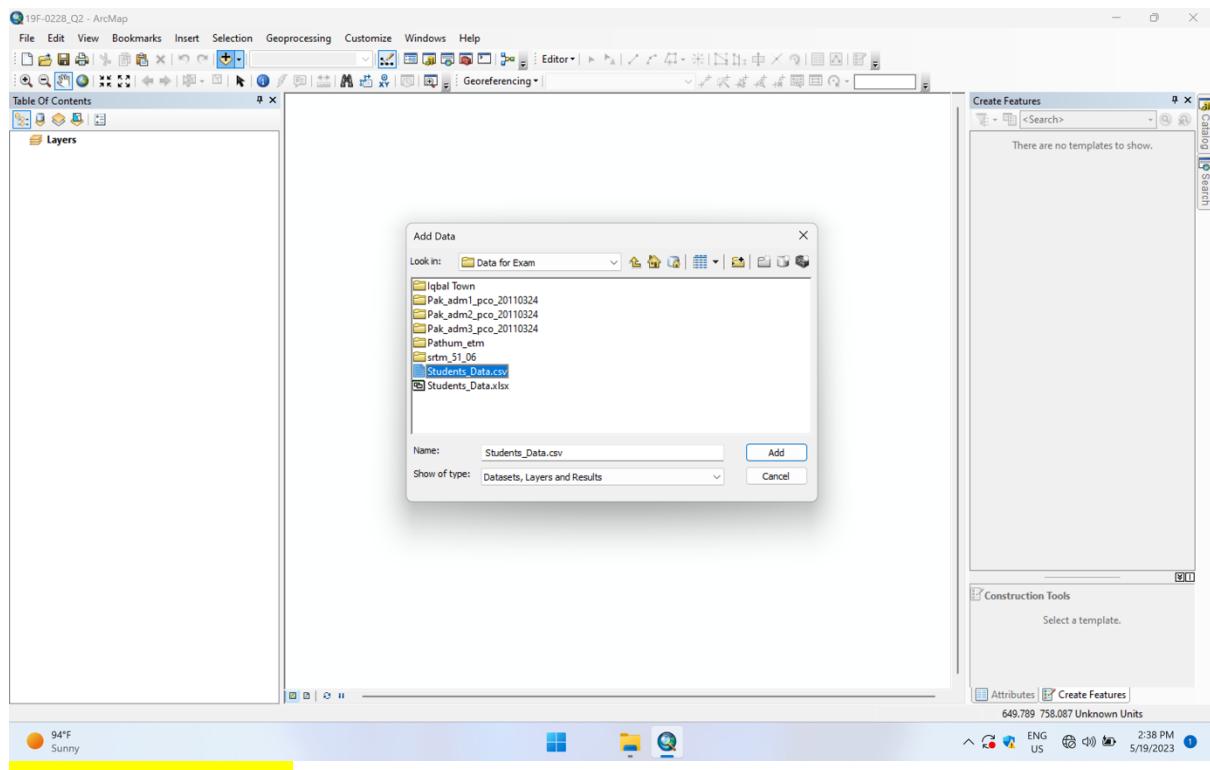
Question 3:

# Plotting

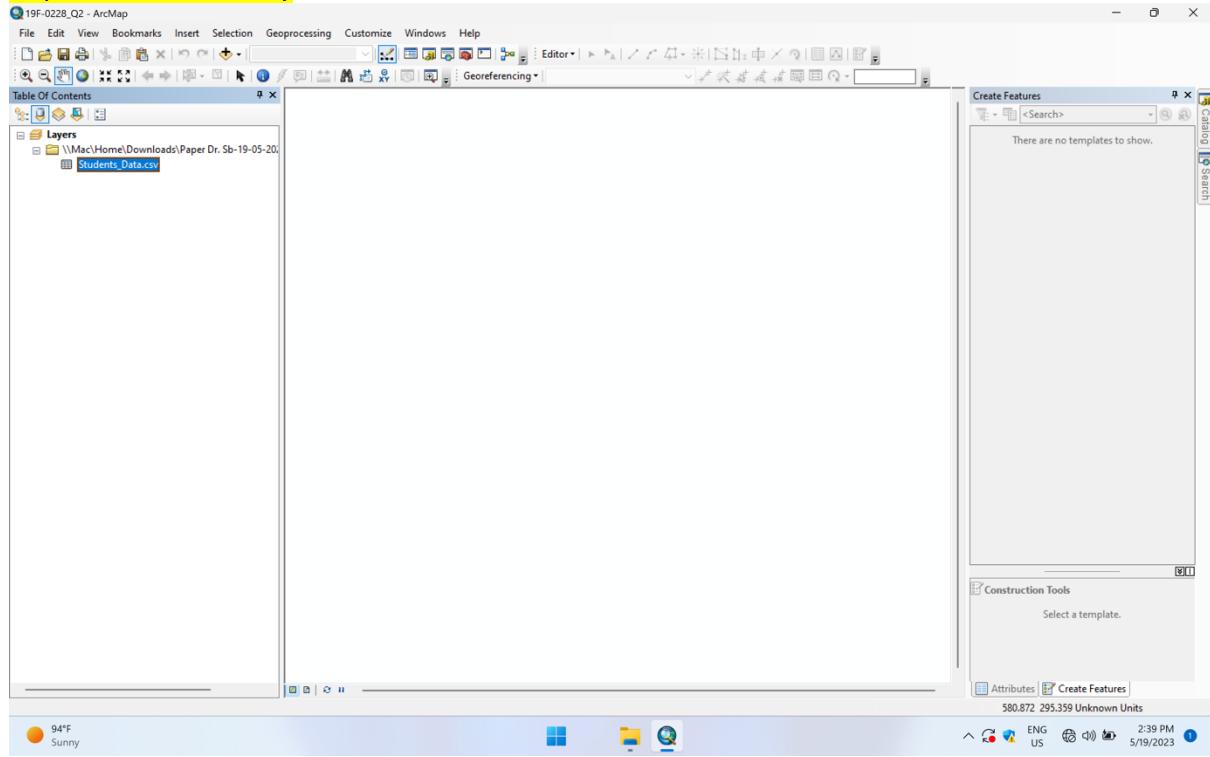
## Exporting the datasets



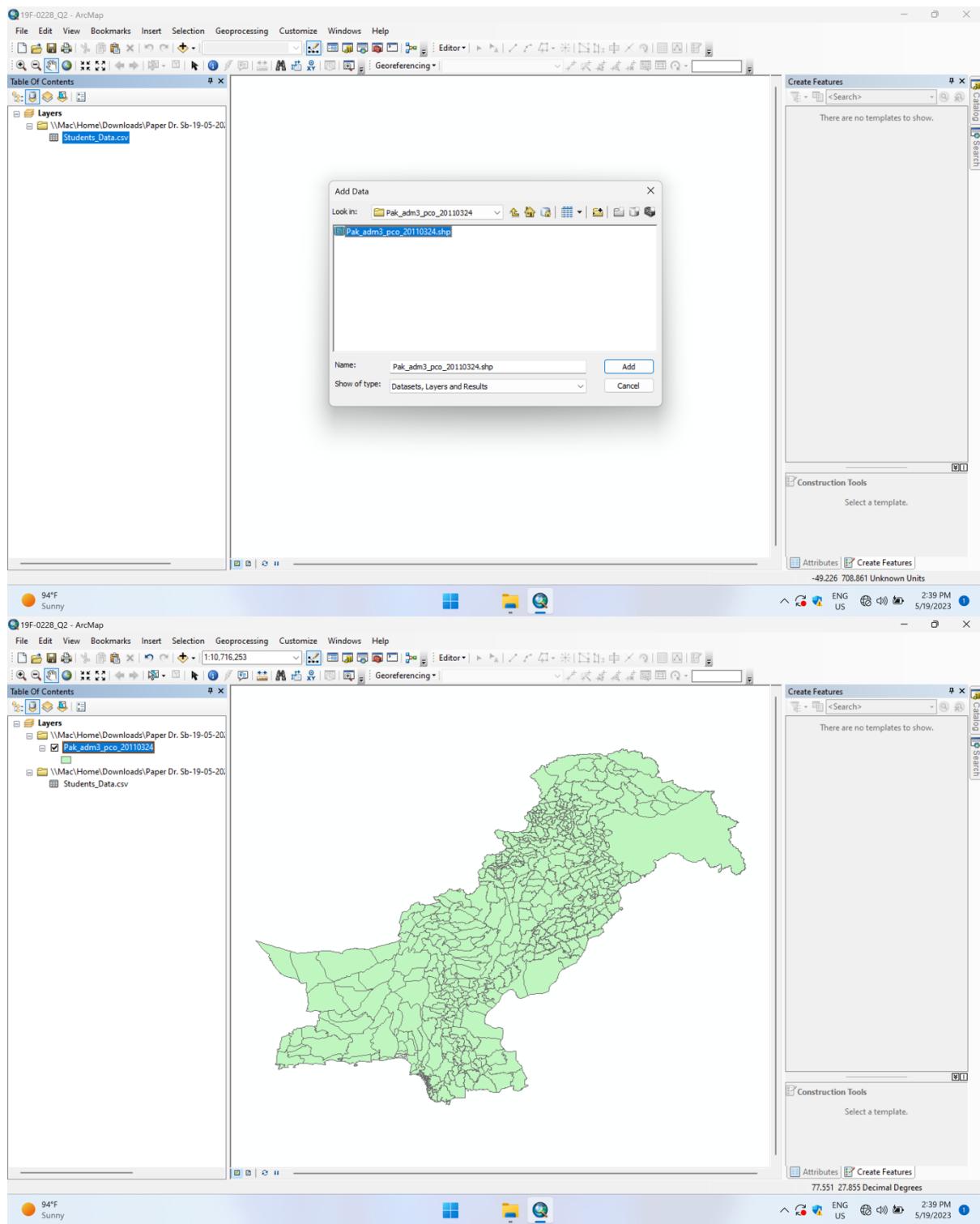
Error Occurred with XLS converted into csv file



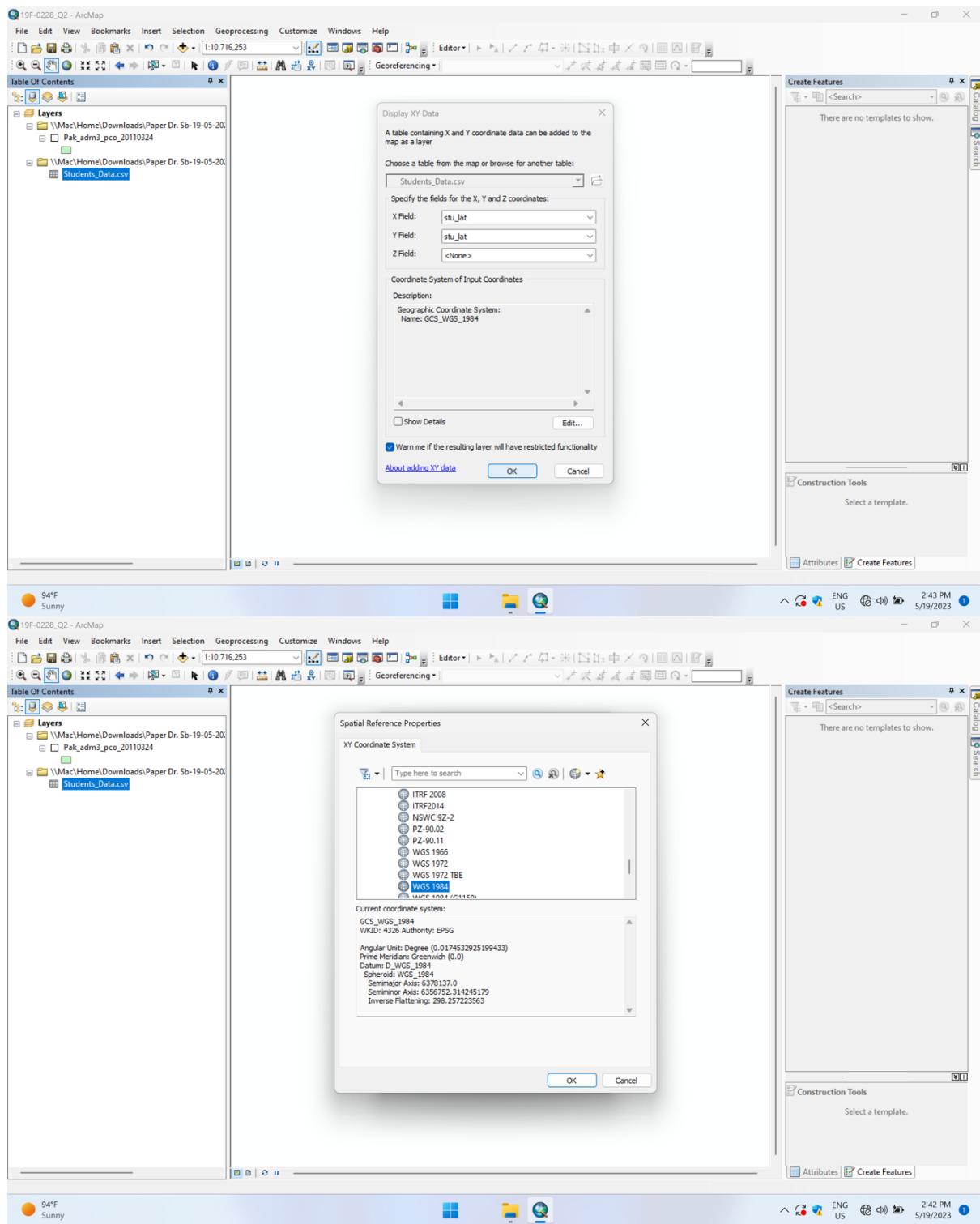
Imported Successfully



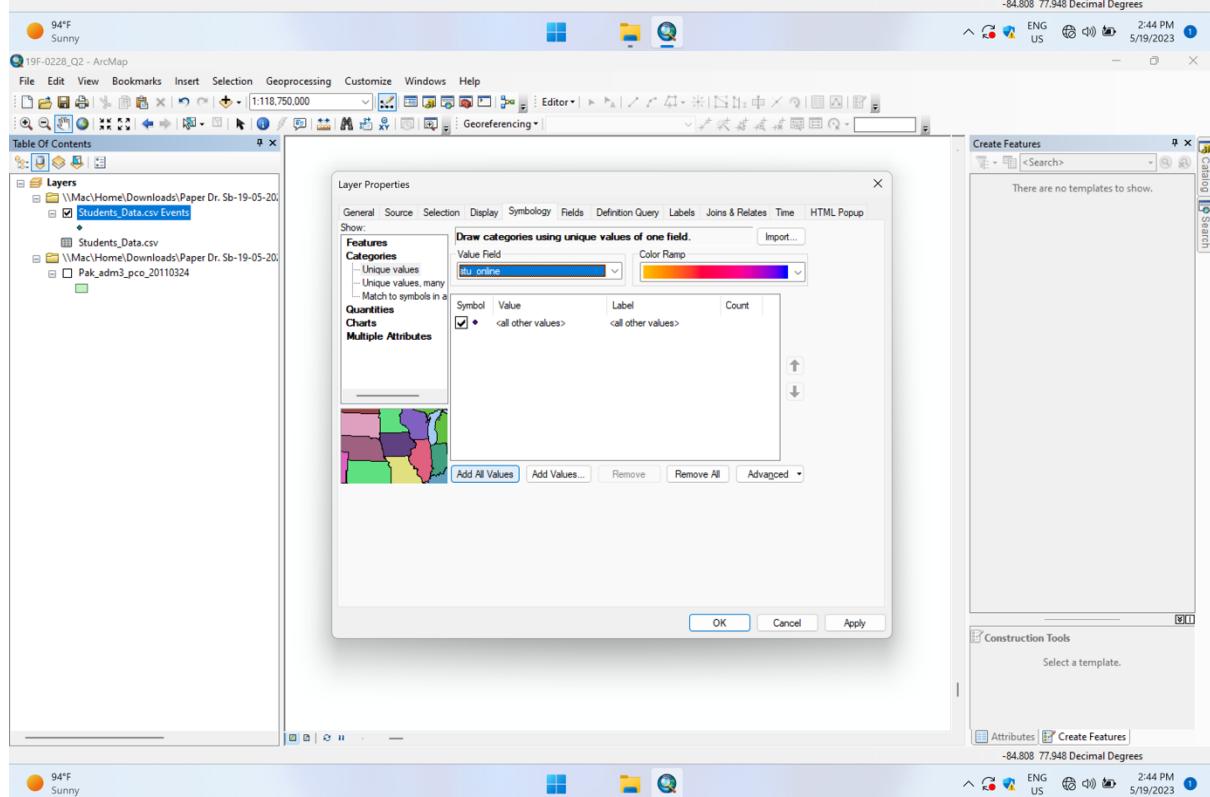
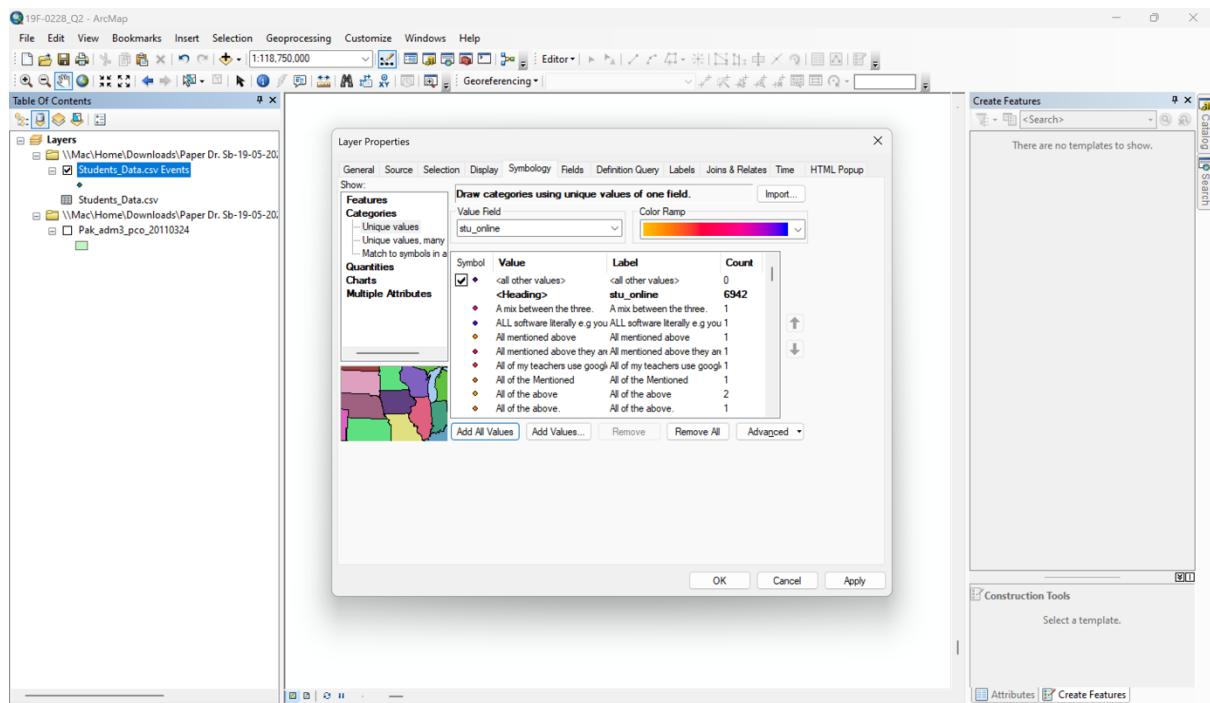
Importing Pakistan Map file



Displaying Overall students DATA

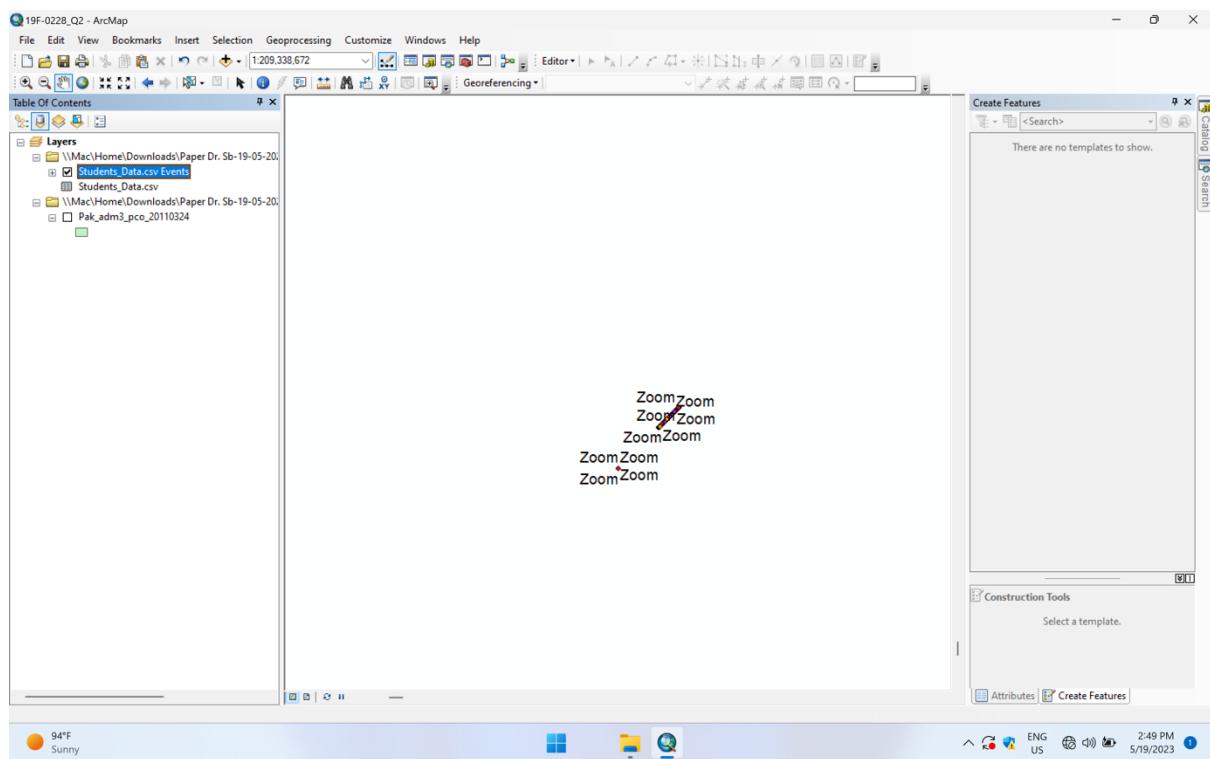
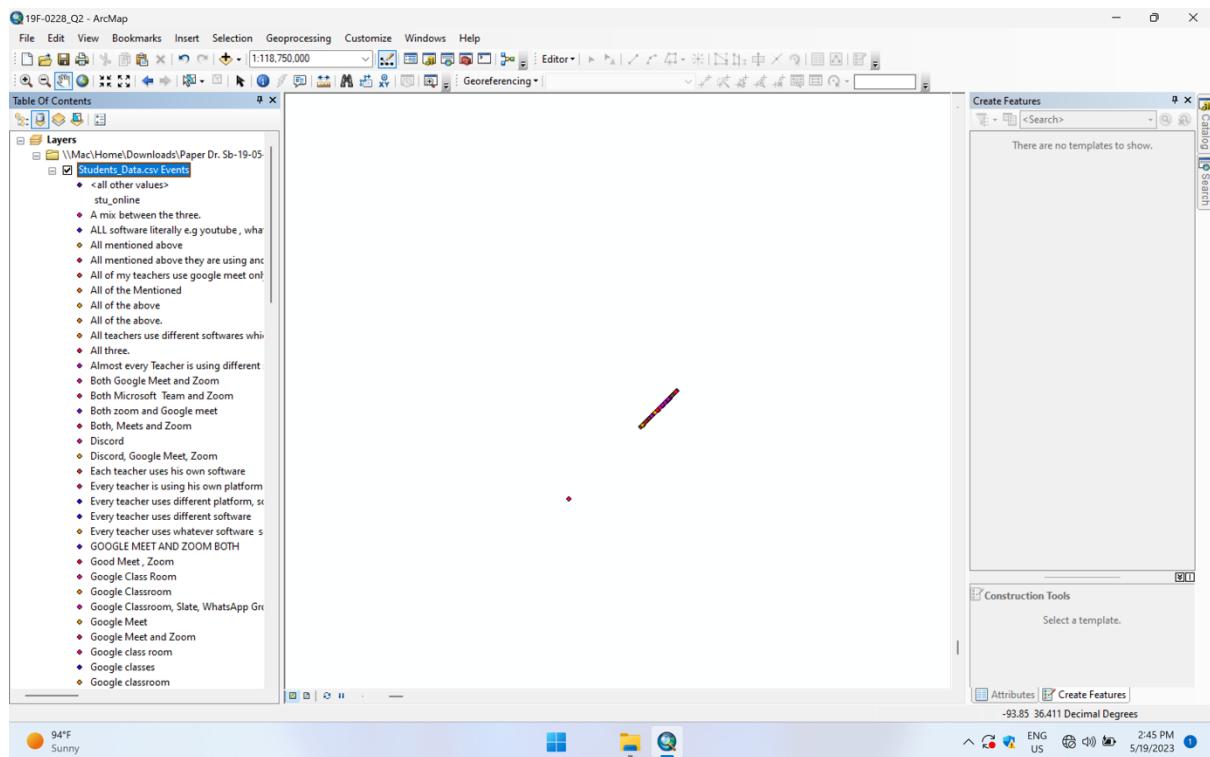


Online Learning

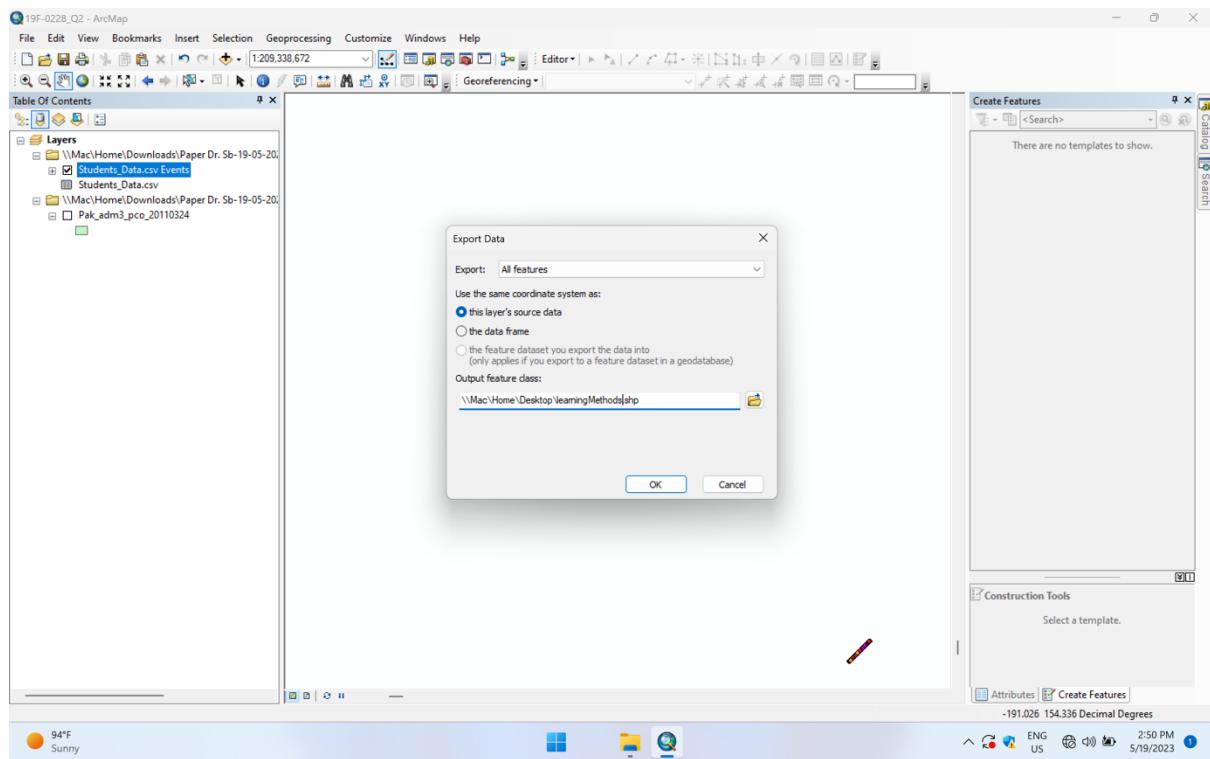


94°F Sunny

Categorized on the basis of learning methods

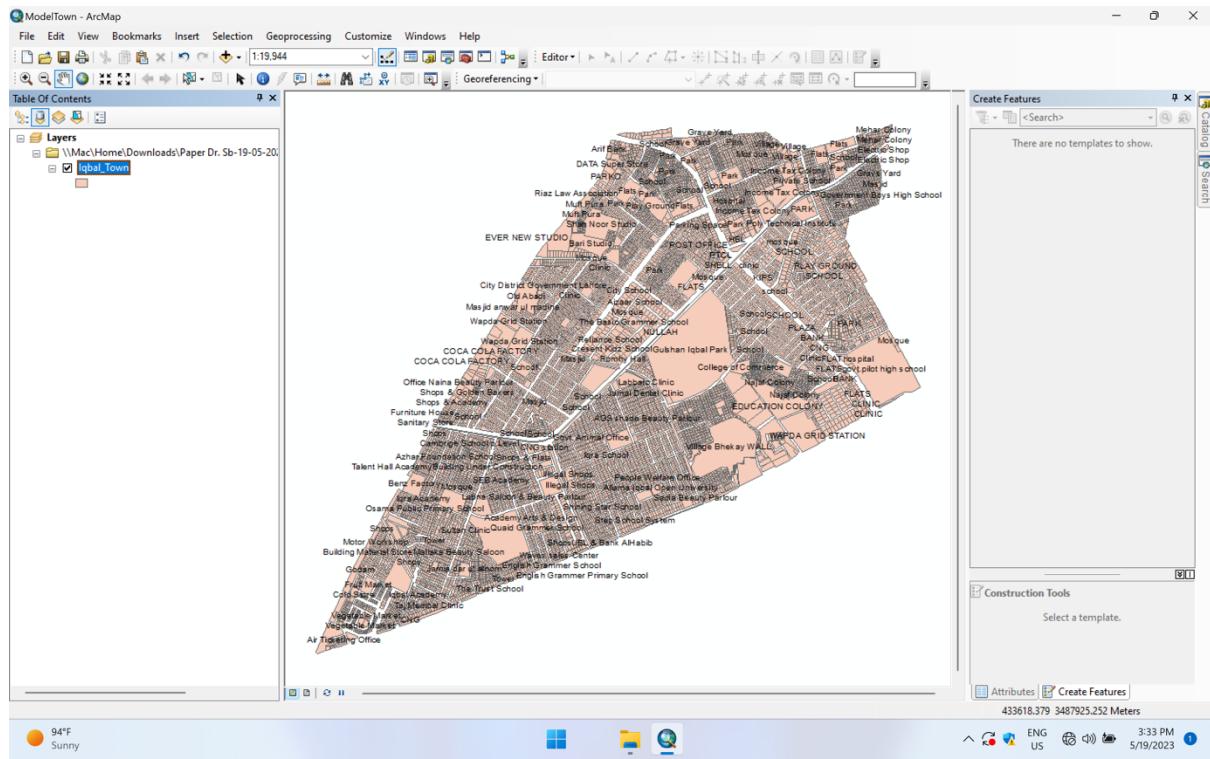


## Exporting The shapefile

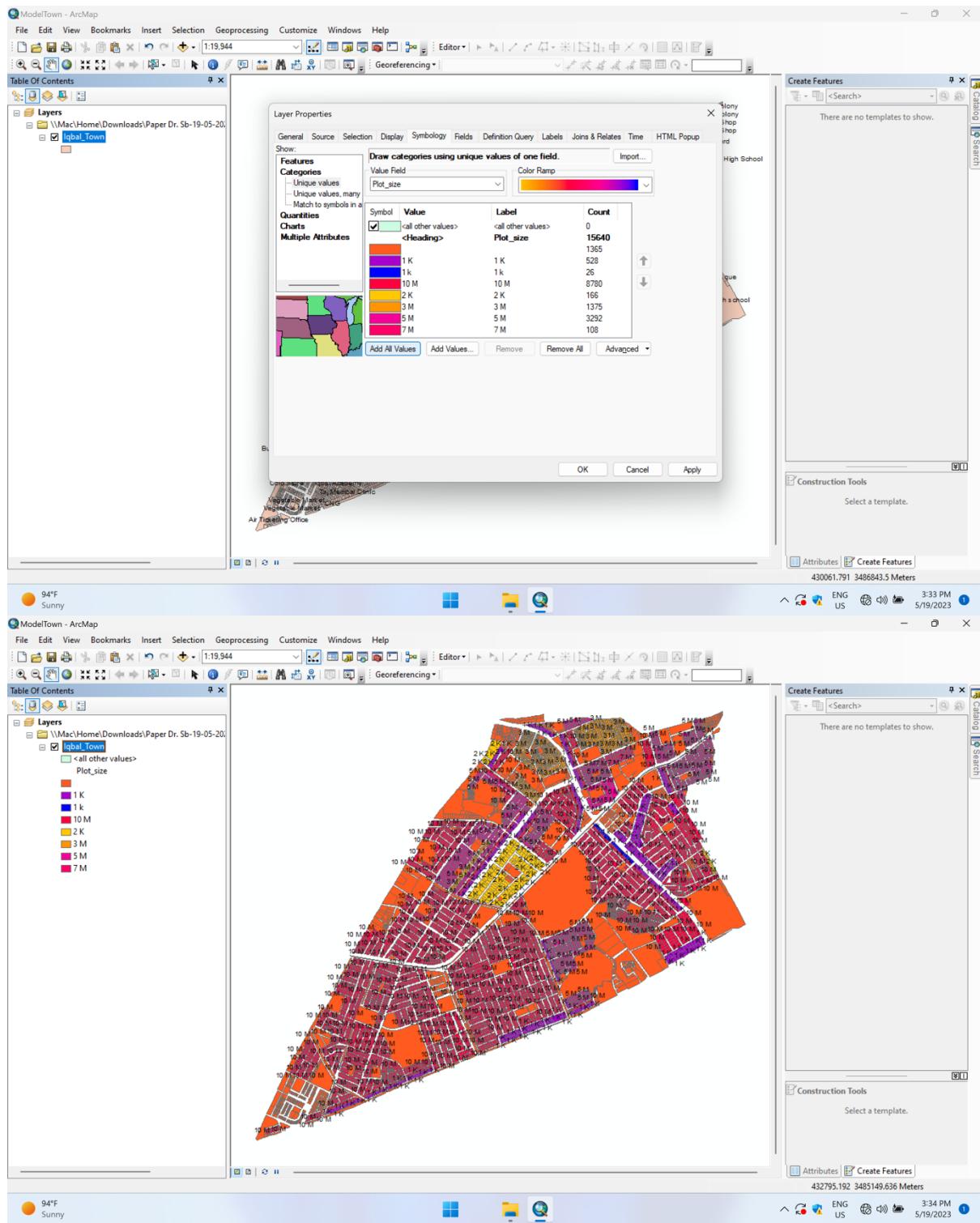


## Question 4:

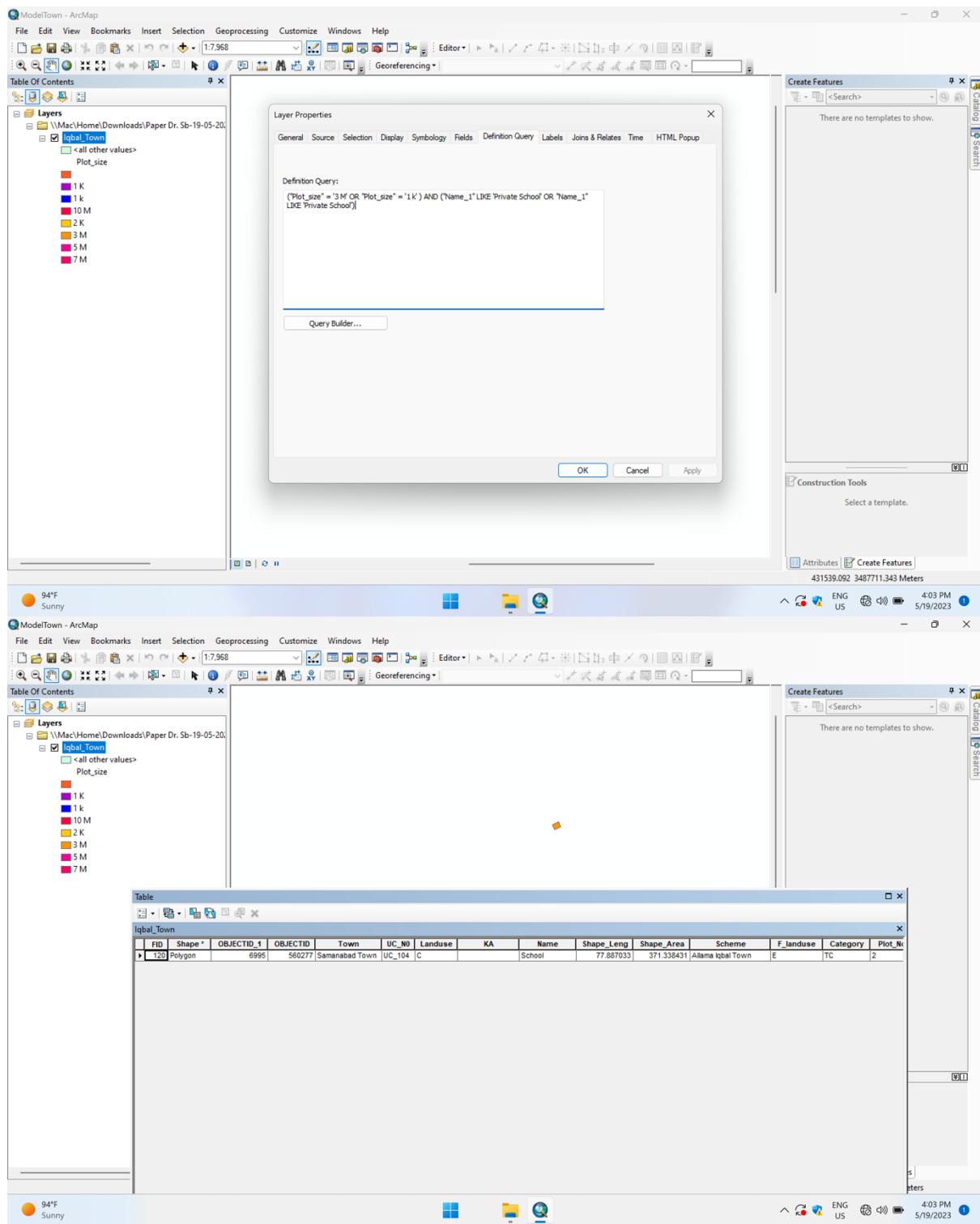
# Iqbal Town



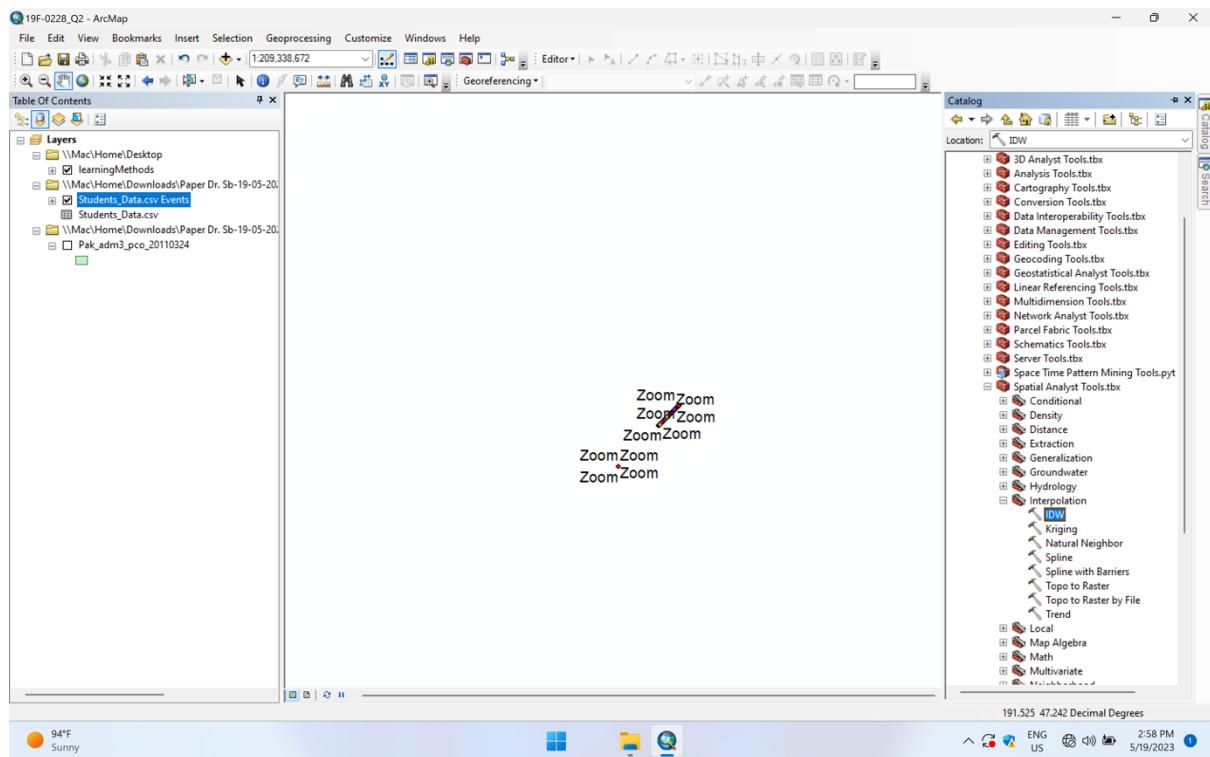
Categorized on the basis of plot size



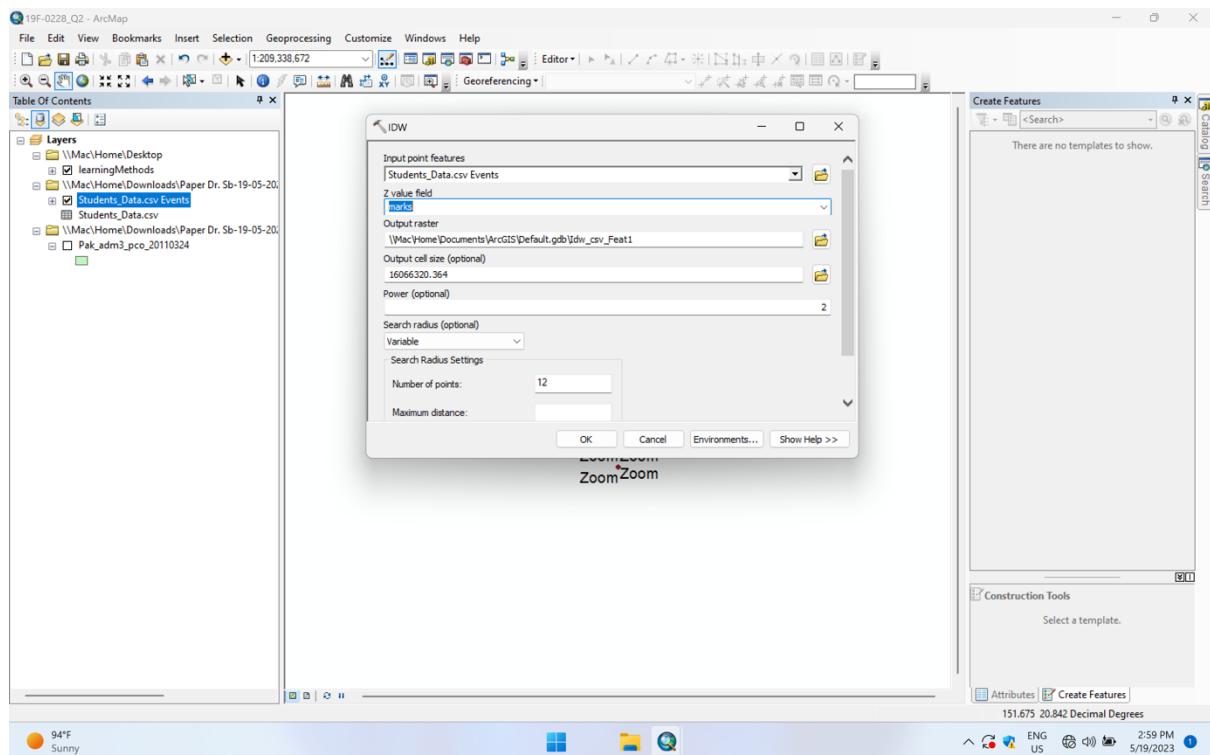
Query---for private school



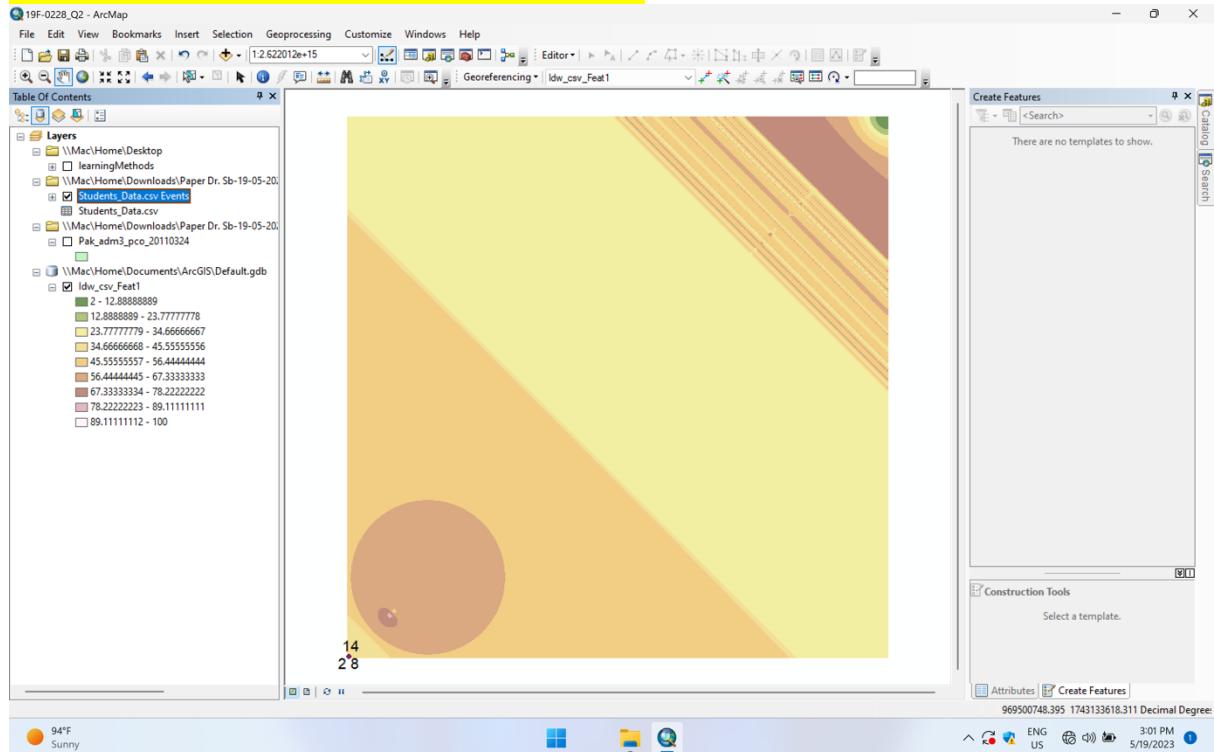
**Question 5:**  
**Interpolation**



Interpolation based on the marks category



### Final Result based on the marks labeled as marks



### Question 6:

## Add other points

