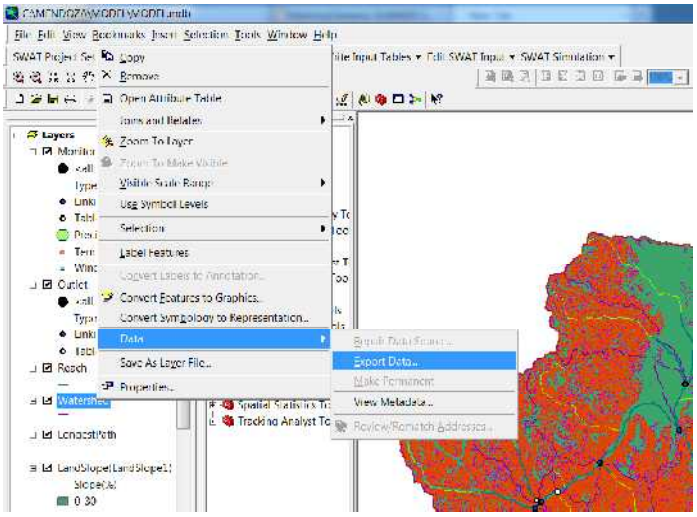
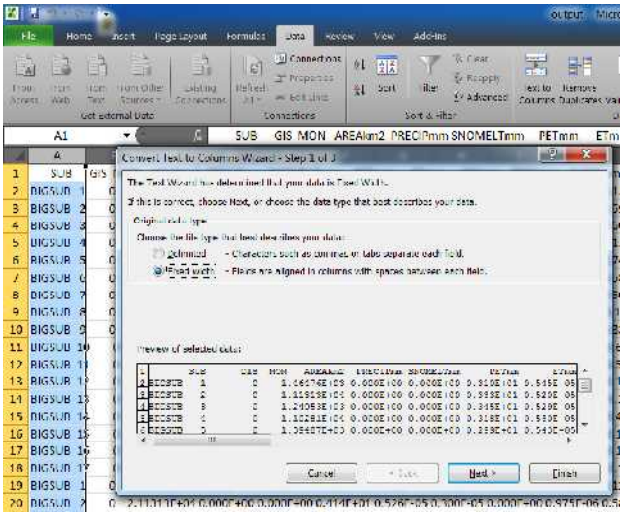
Preparation of spatial maps from SWAT output:

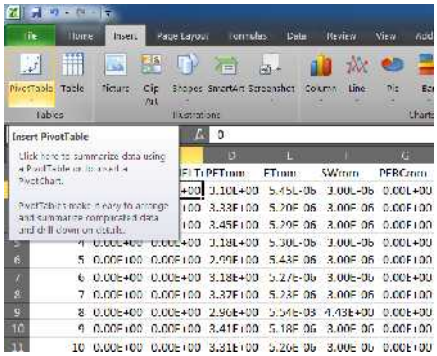
- Export your watershed shape file and put in a folder

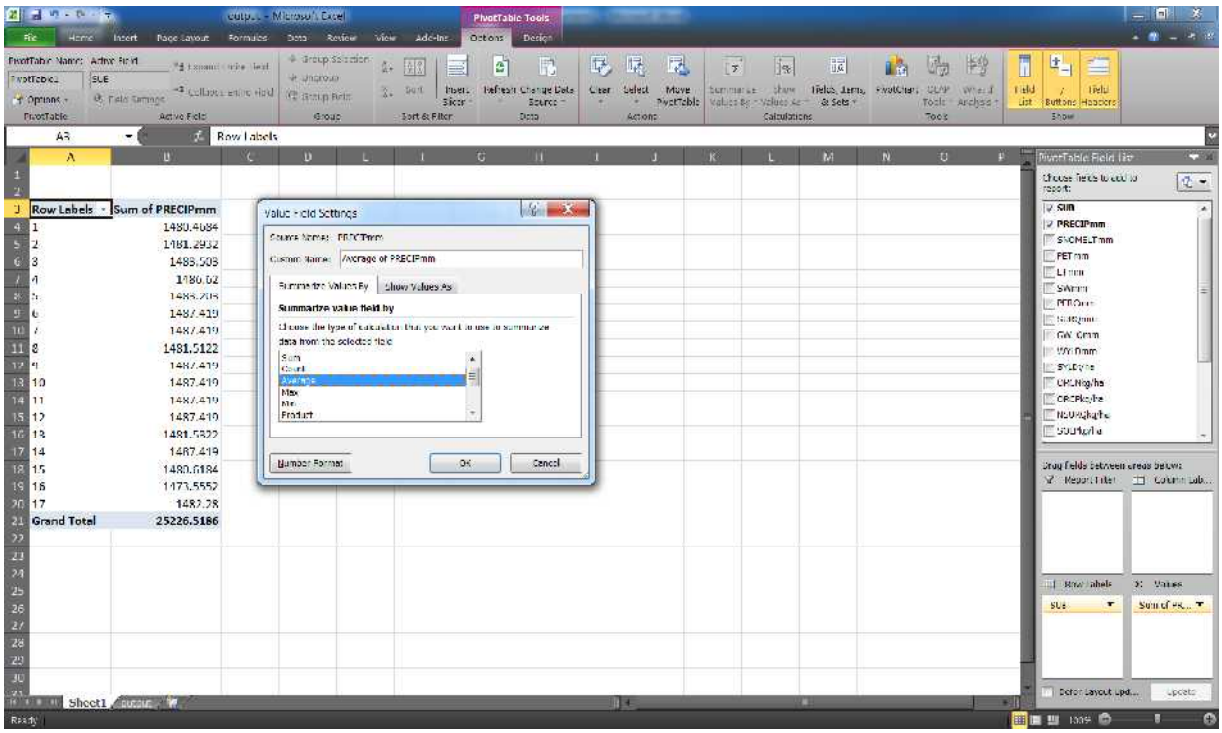


- Find the output.sub file located under [D:\MENDOZA\MODEL\Scenarios\Default\TxtInOut] directory
- Filter the output.sub file removing the header and remove 3 other columns [BIGSUB and GIS MON]
- Open it in excel and separate the independent variables using tab delimited option

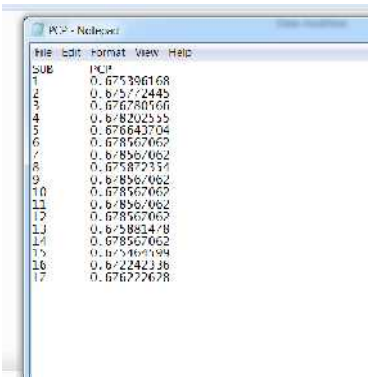


- Use “pivot table” in order to make average the values.

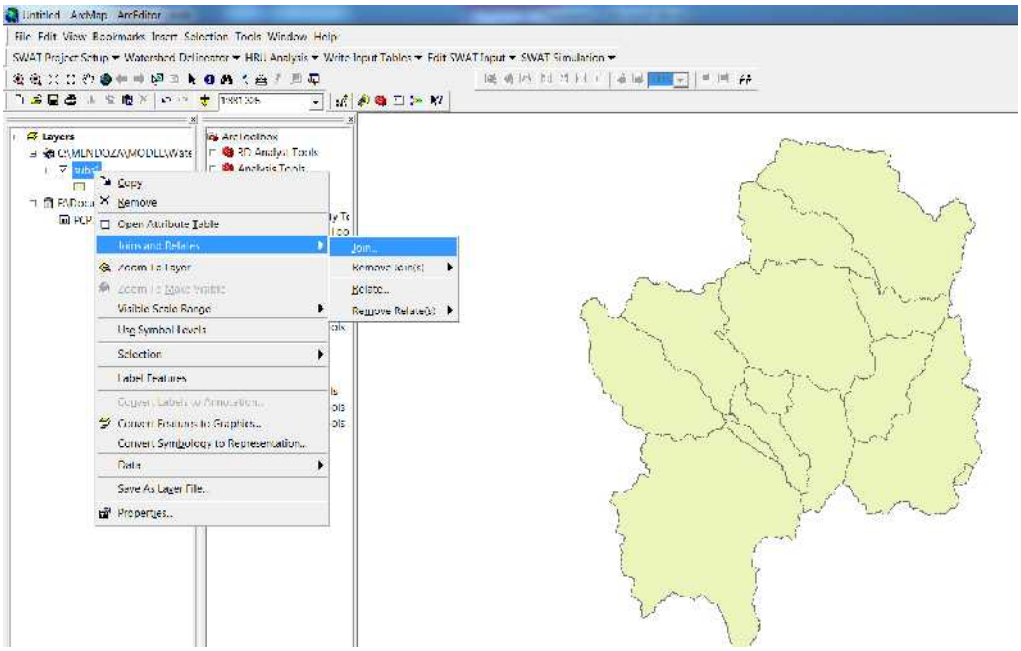




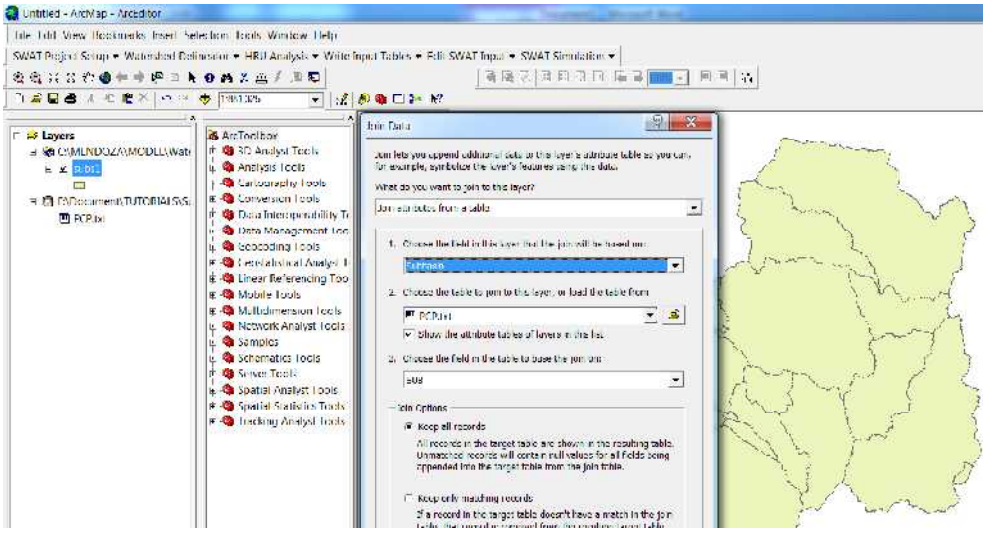
Save independent values with the name of the variables. As example here we keep the precipitation values in a .txt file with the name PCP. Make sure the two columns are tab delimited otherwise ArcGIS will not recognized them separate column



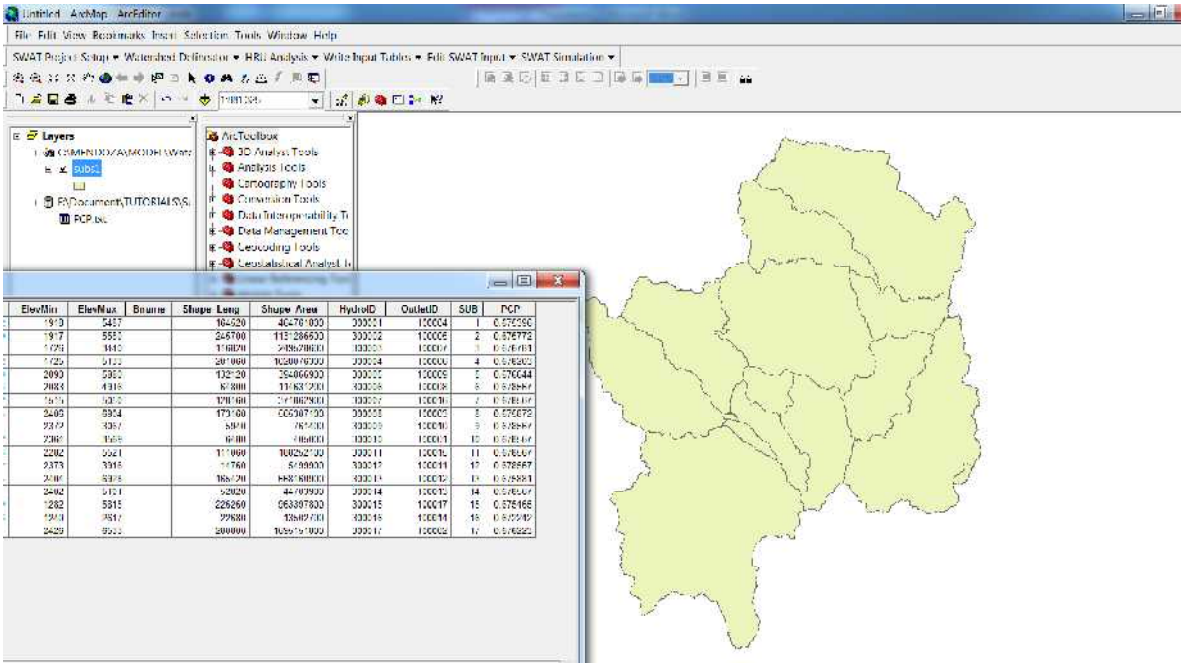
Now we need to join the shape file of the watershed with the table values.



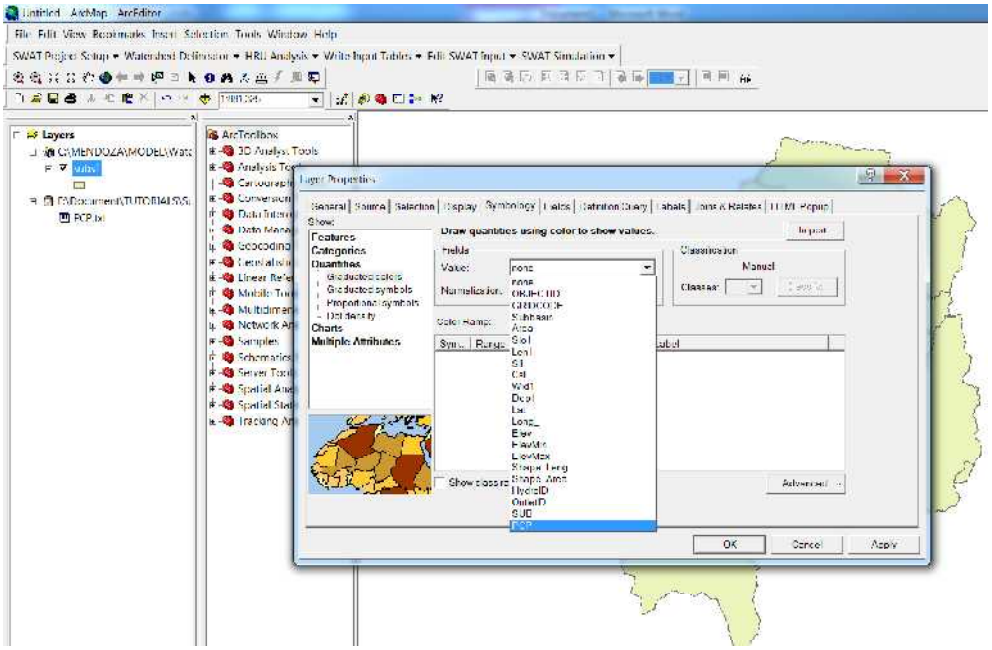
Make sure that the join will based on Subbasin and the table is SUB.



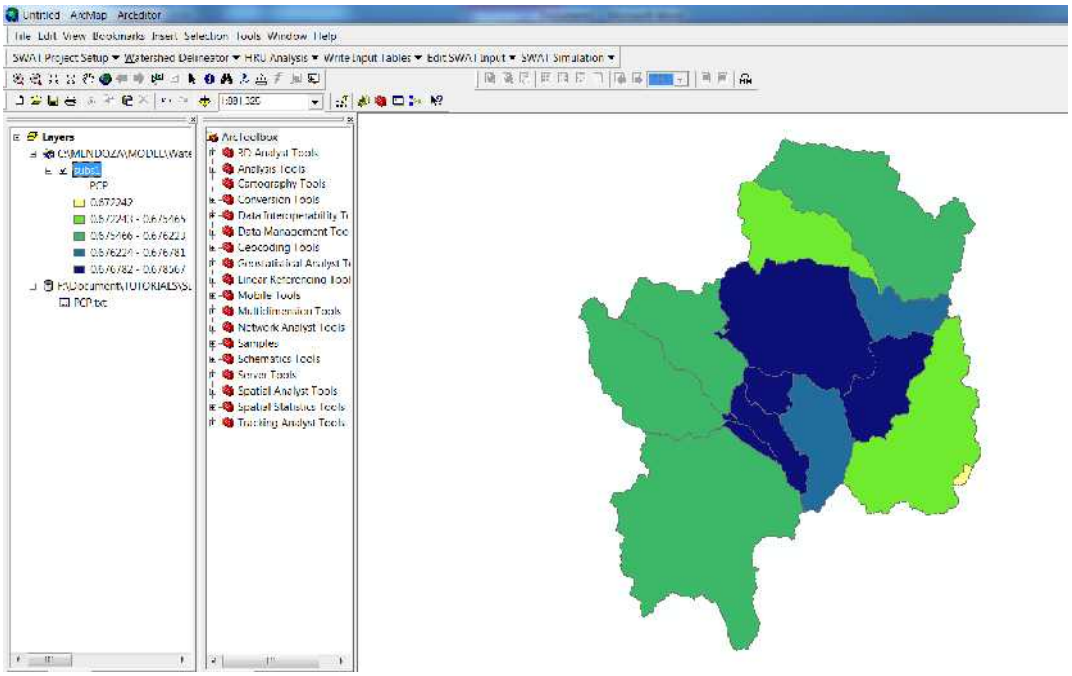
If it is properly done there will be two new fields in the sub1 attribute table based on PCP.txt



Now go to properties-symbology-quantities-and pcp values



The final representation will be something like this!



Similarly we can reproduce all other values like ET-PET etc etc.!!