**ARC-GIS**

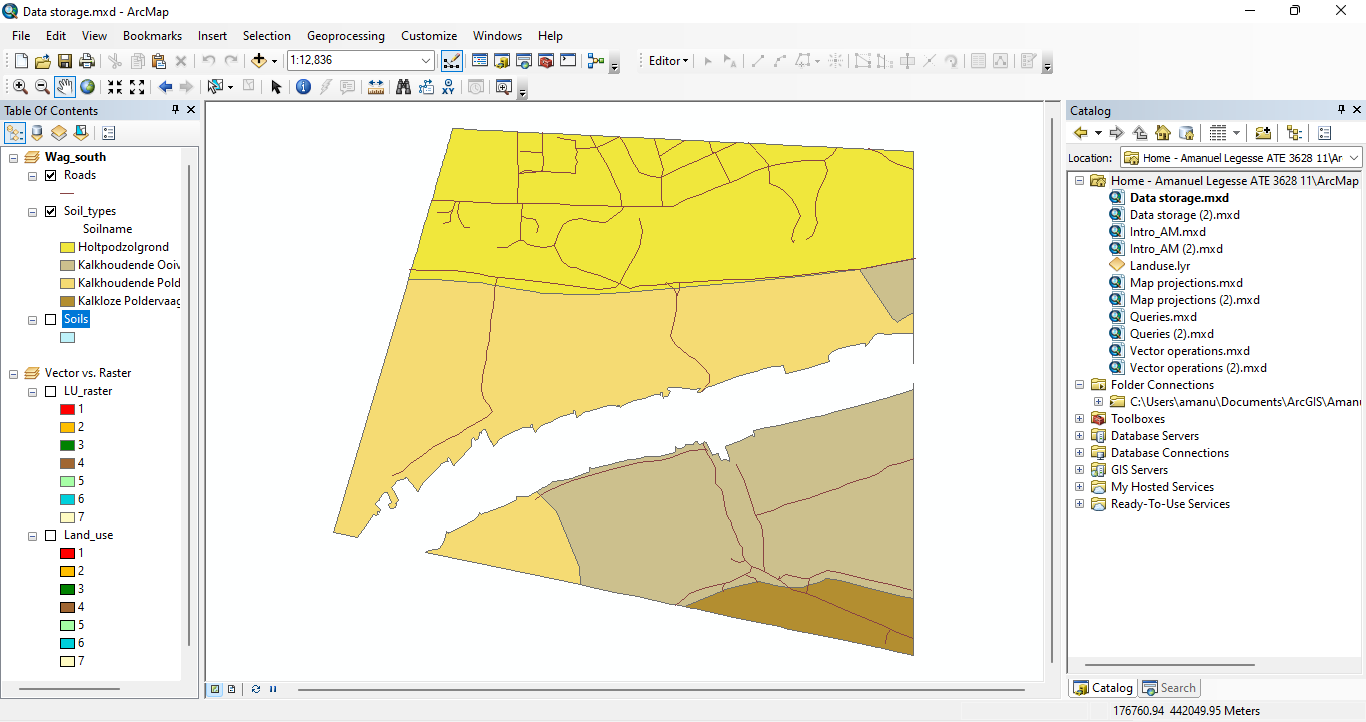
**EXCERCISE: 2**



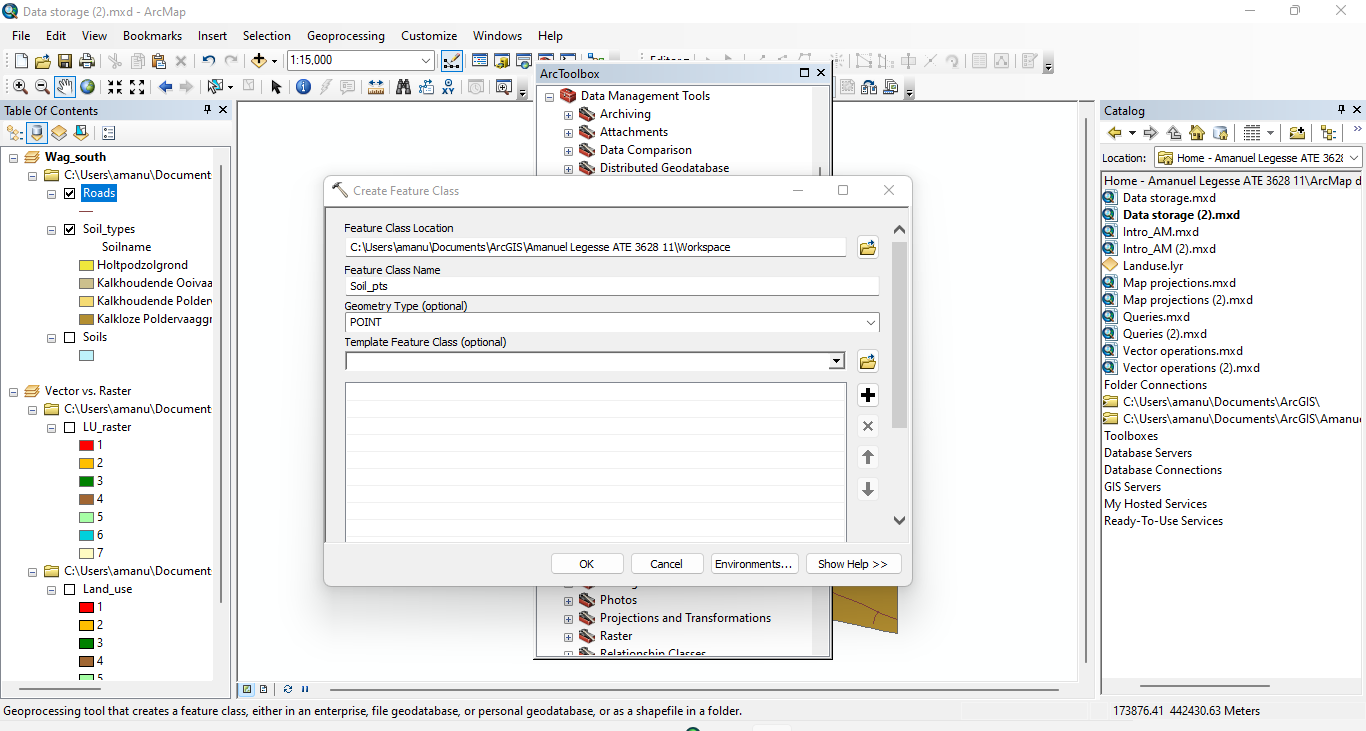
**BY – AMANUEL LEGESSE SOFTWARE ENG. EXT**

**ID – ATE/3628/11**

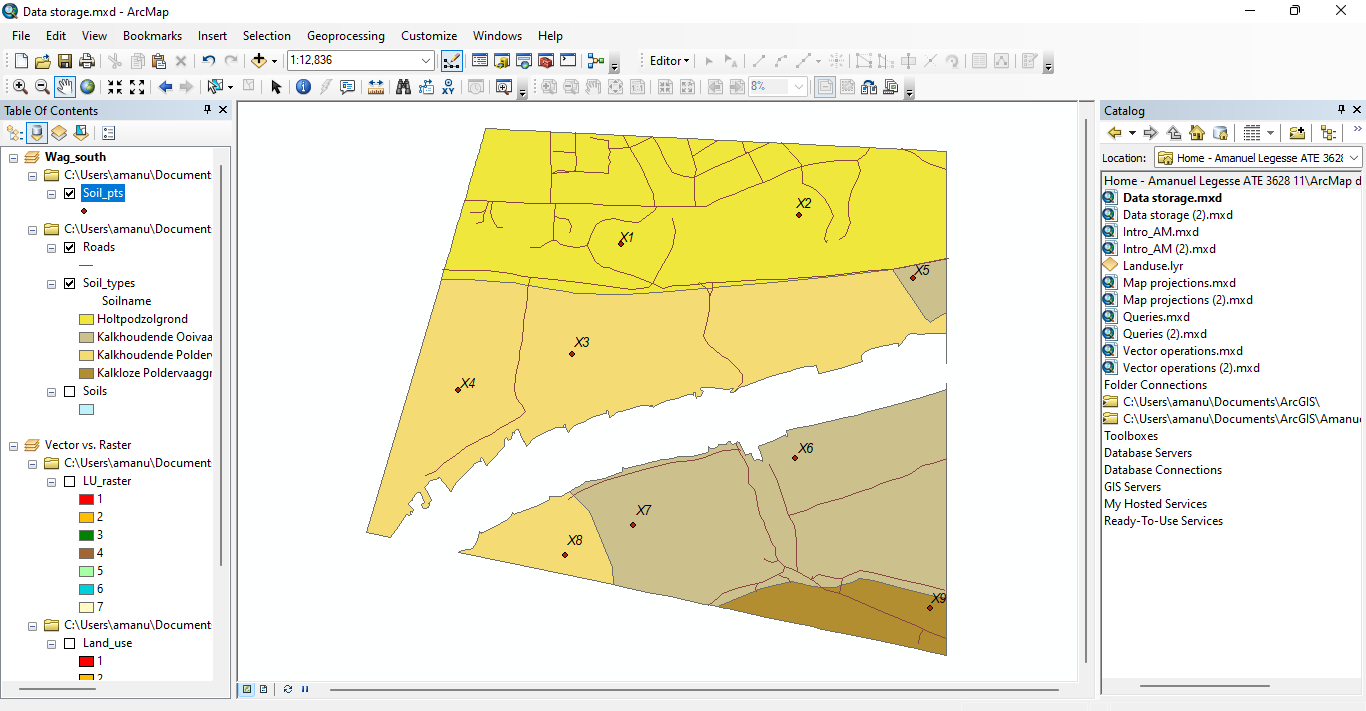
**Creating a point dataset**

* 1. :

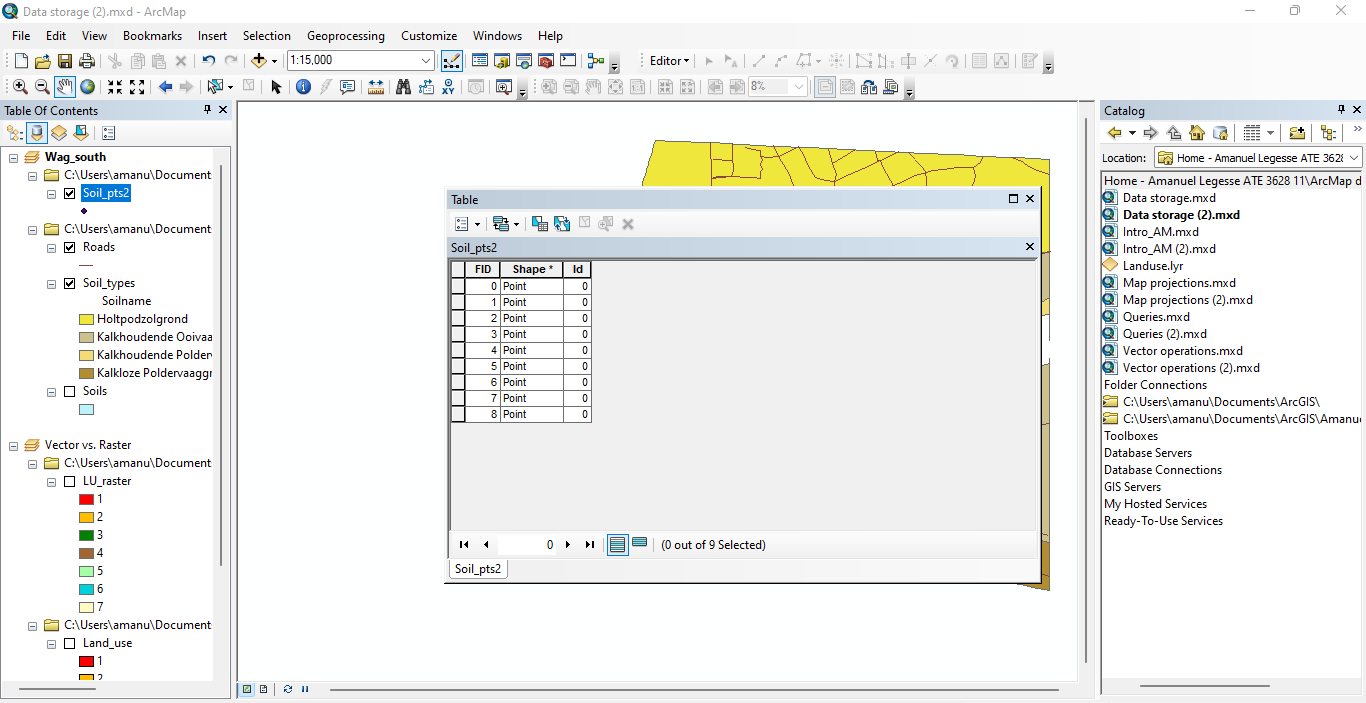
**1.A**:



**1.B:**



**1.C:**  The attribute table of dataset ‘Soil\_pts’ contains 9 records.



**Adding attributes to point features**

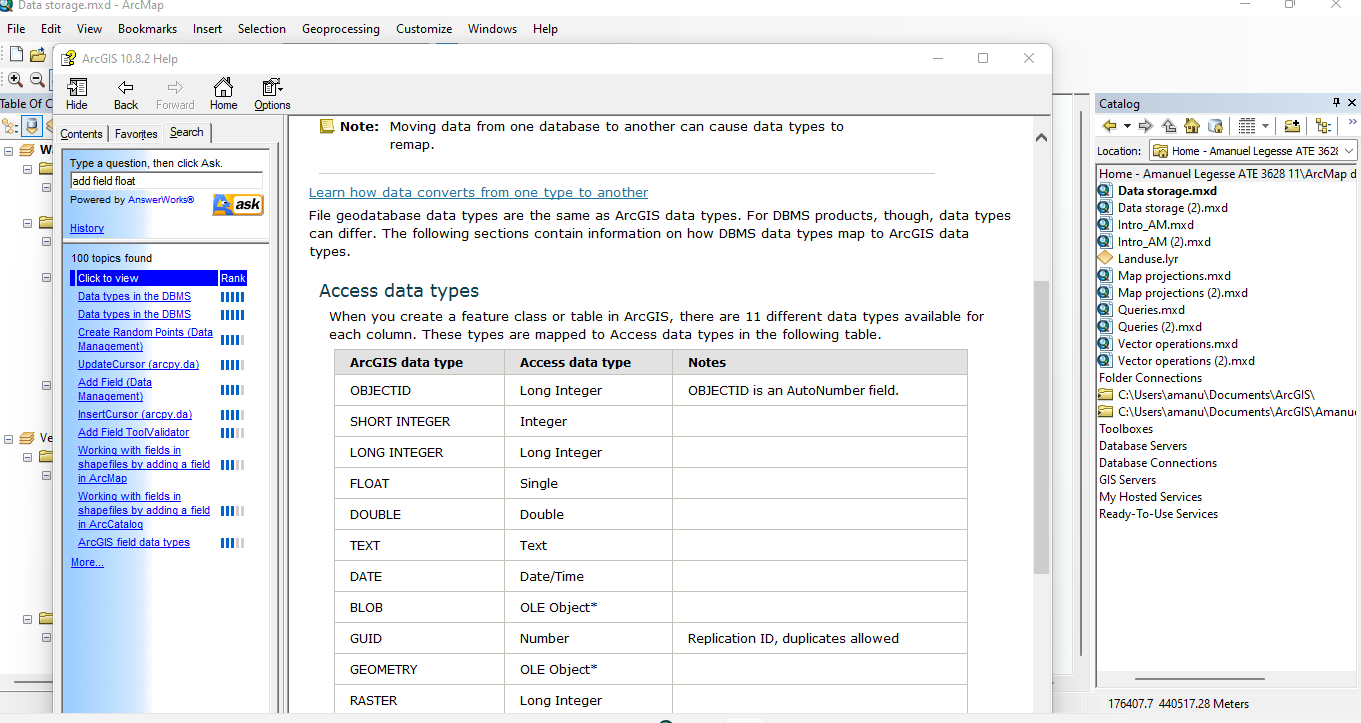
**2.A**

**FLOAT** — Numeric values with fractional values within a specific range

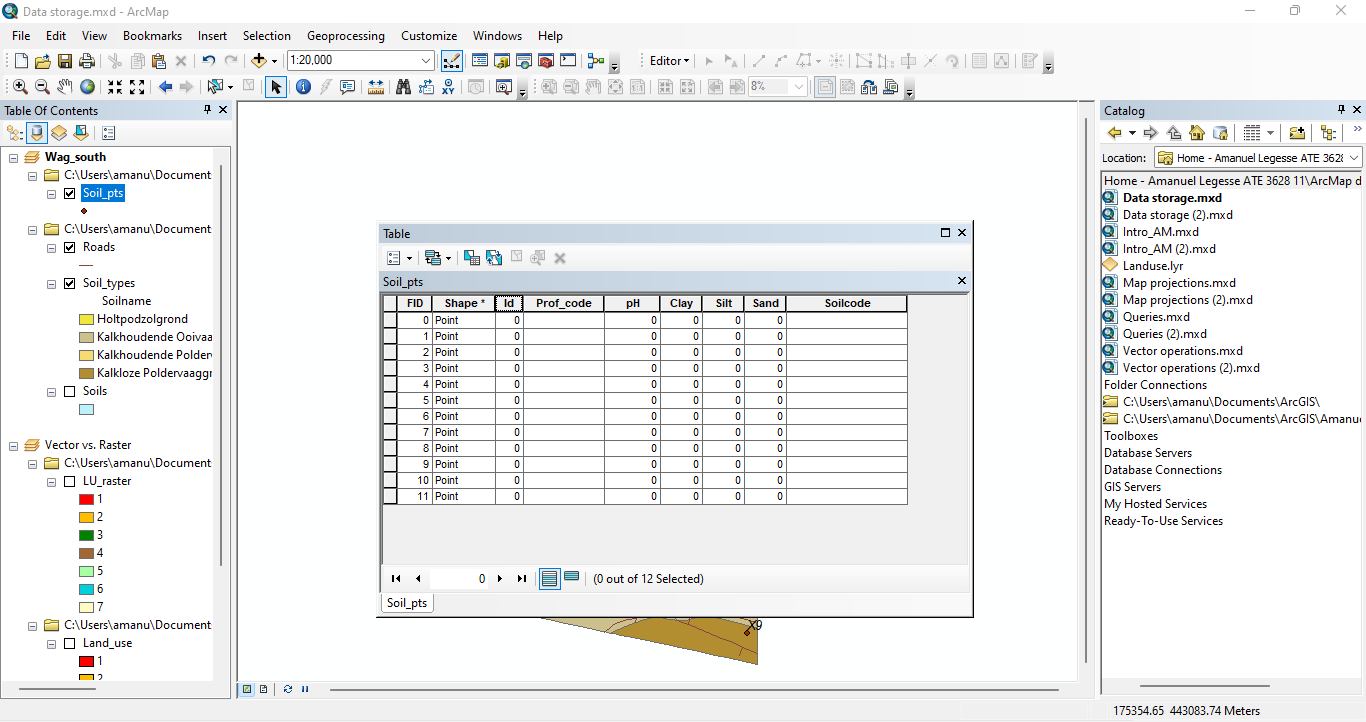
**Integer -** Numeric values without fractional values within specific range

The **TEXT data** type stores any kind of text data. It can contain both single-byte and multi byte characters that the locale supports.

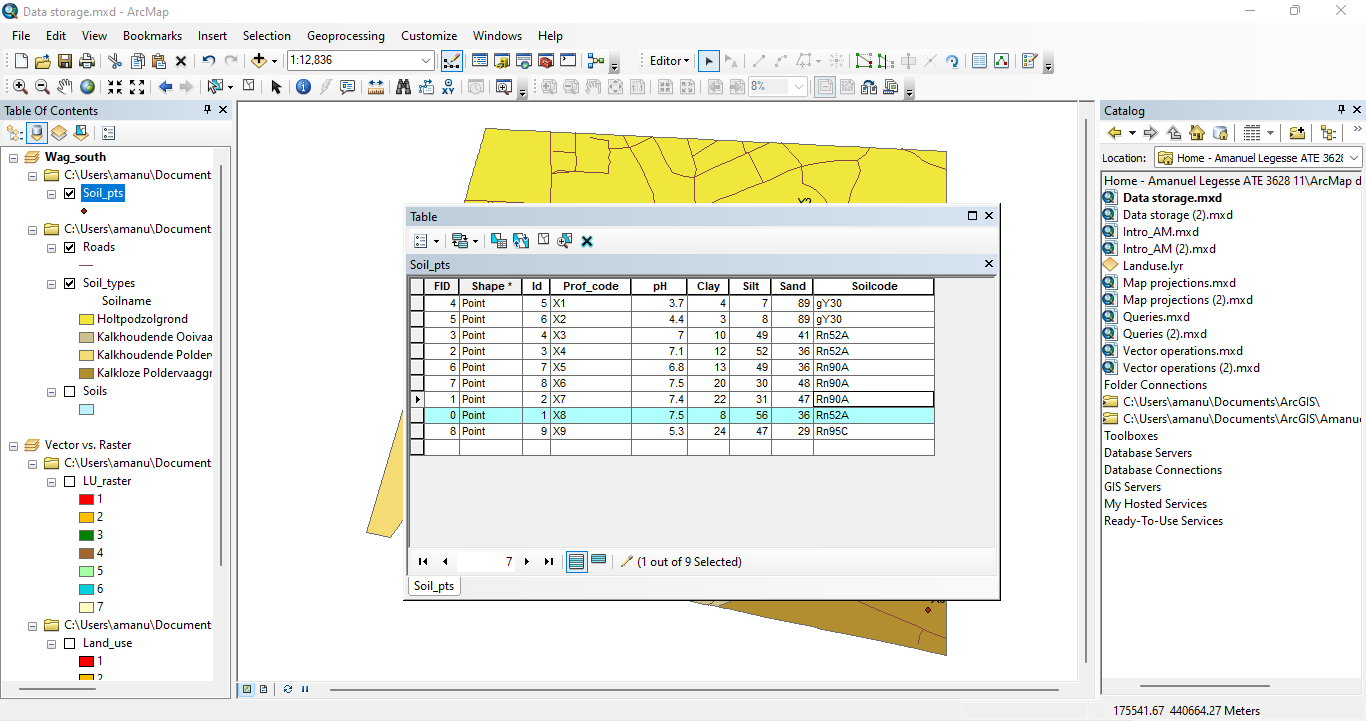
The date data type **can store dates, times, or dates and times**. The default format in which the information is presented is mm/dd/yyyy hh:mm:ss and a specification of AM or PM.

****

**2.B:**

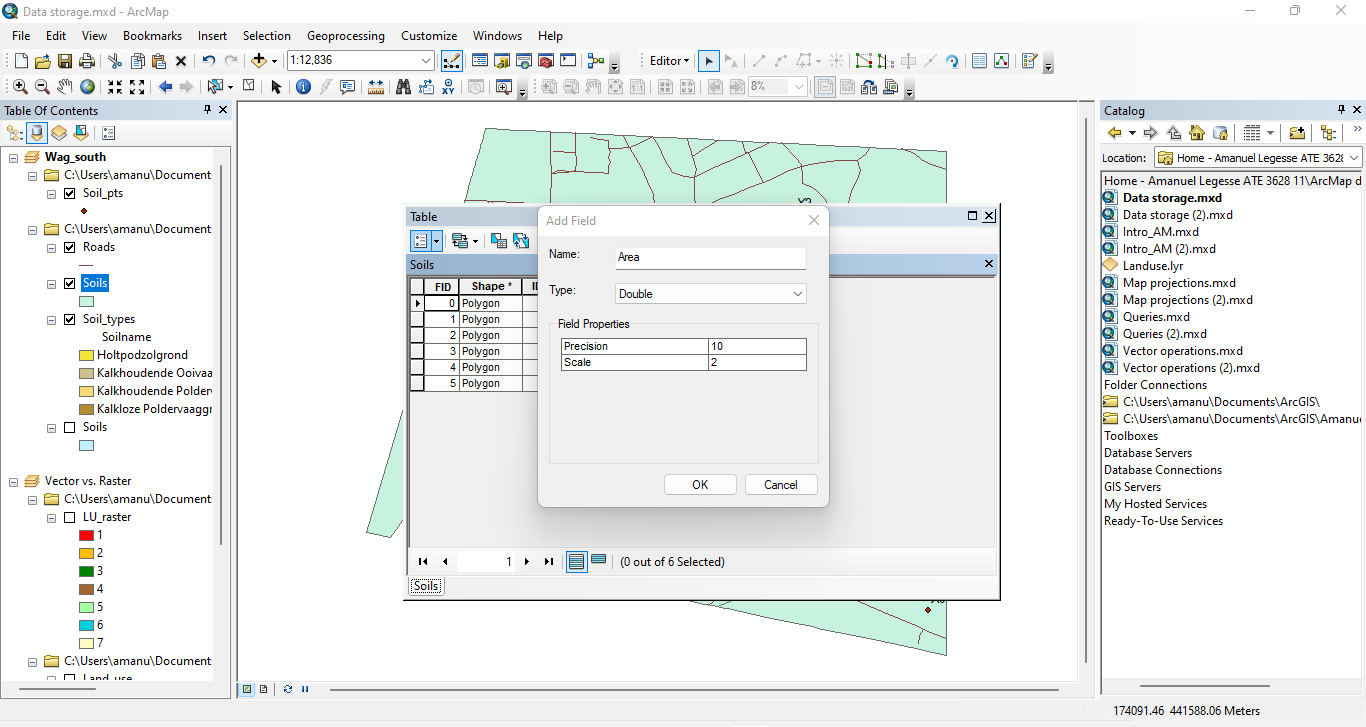
****

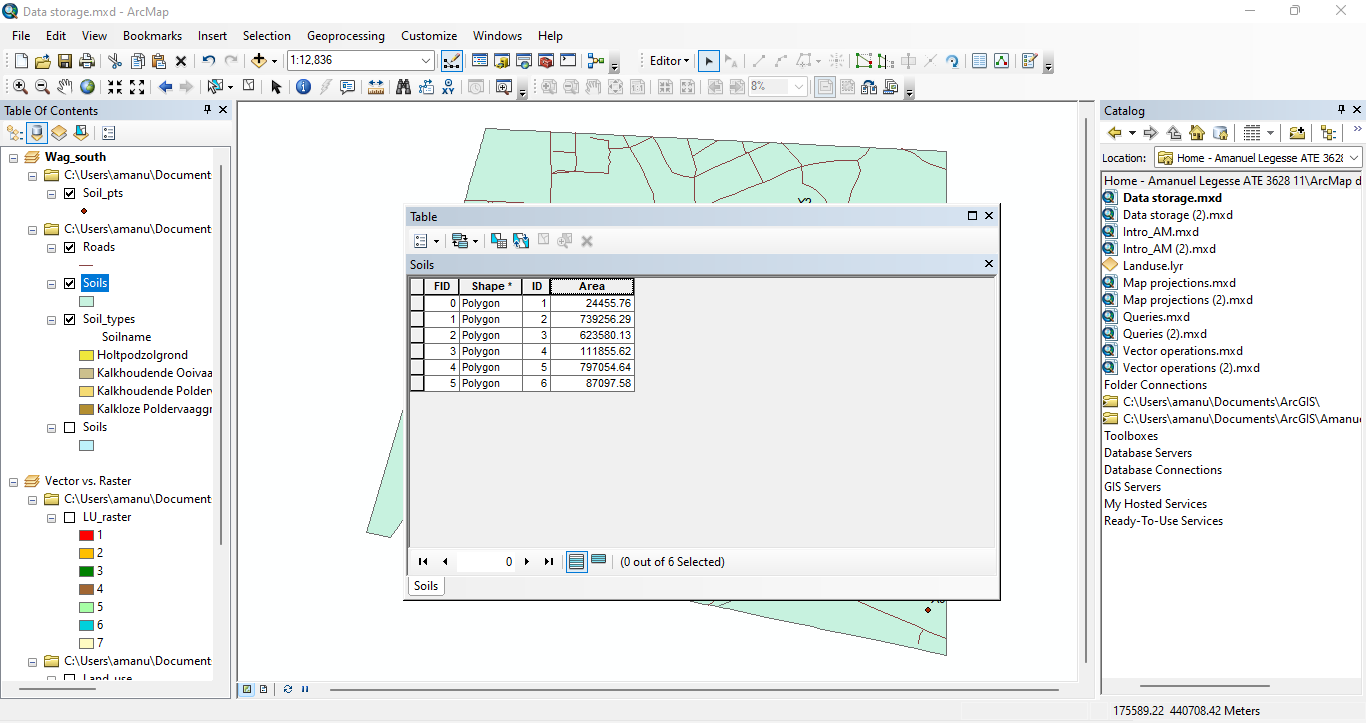
**2.C:**

****

**Calculating the area of polygon features**

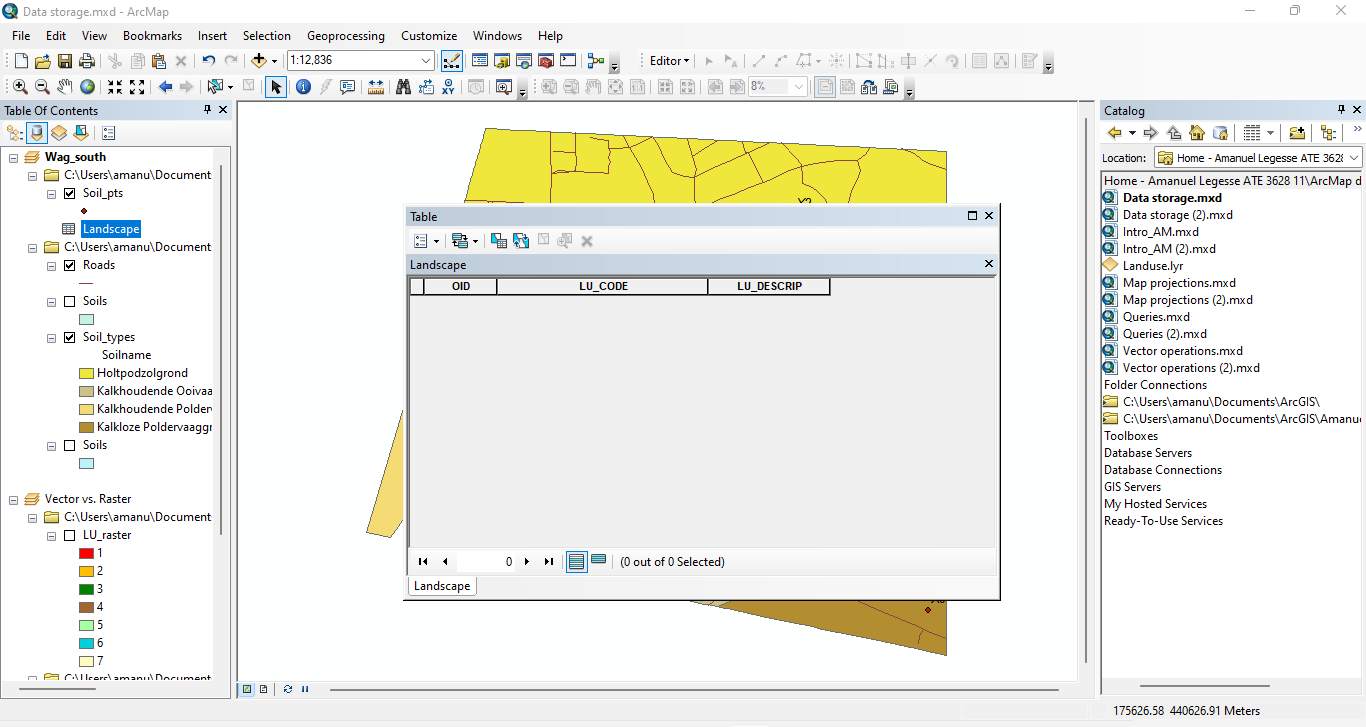
**3.A:**

****

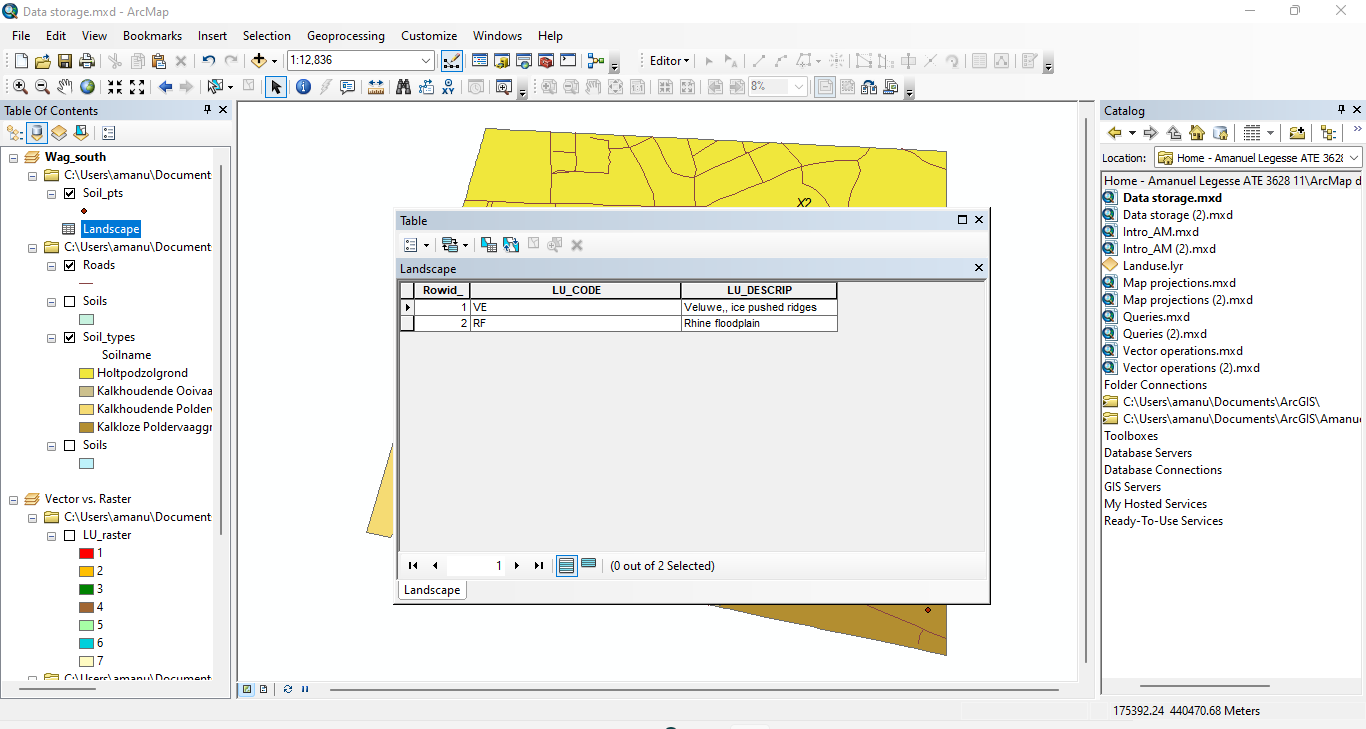
****

**Creating a new table**

**4.A:**

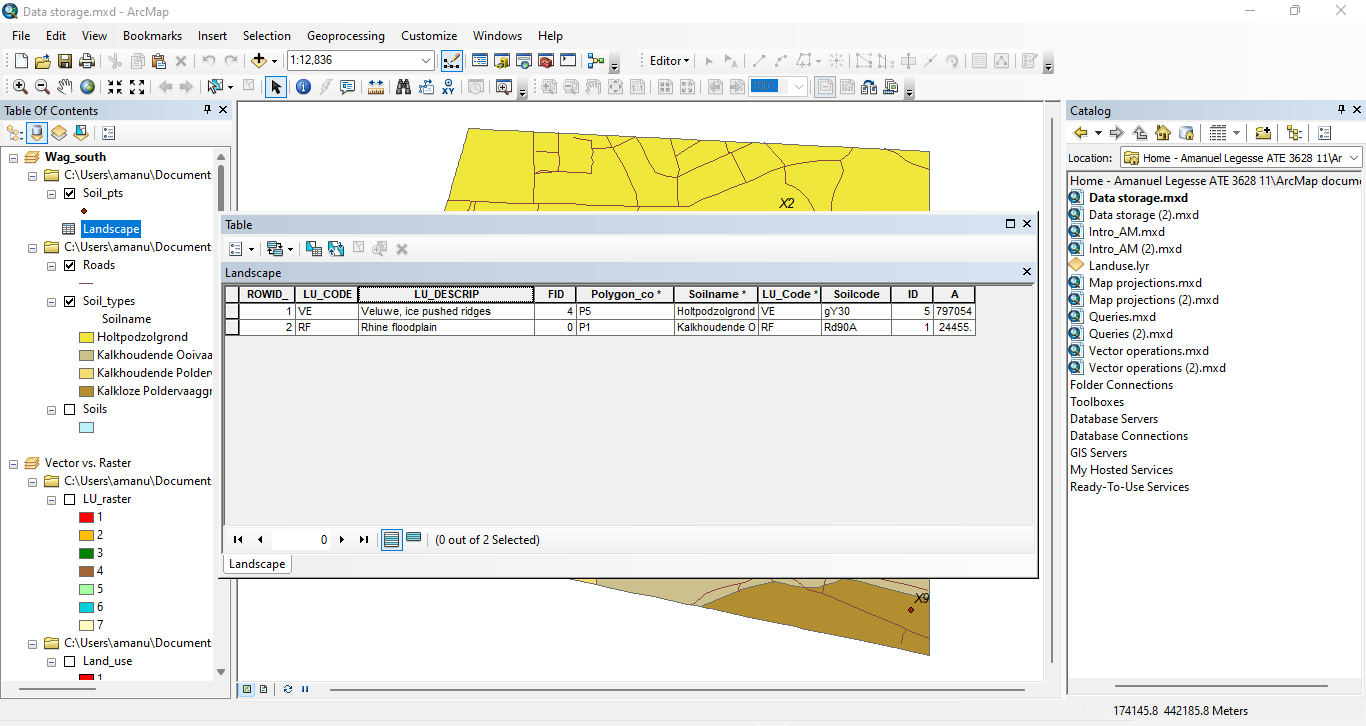
****

**4.B:**

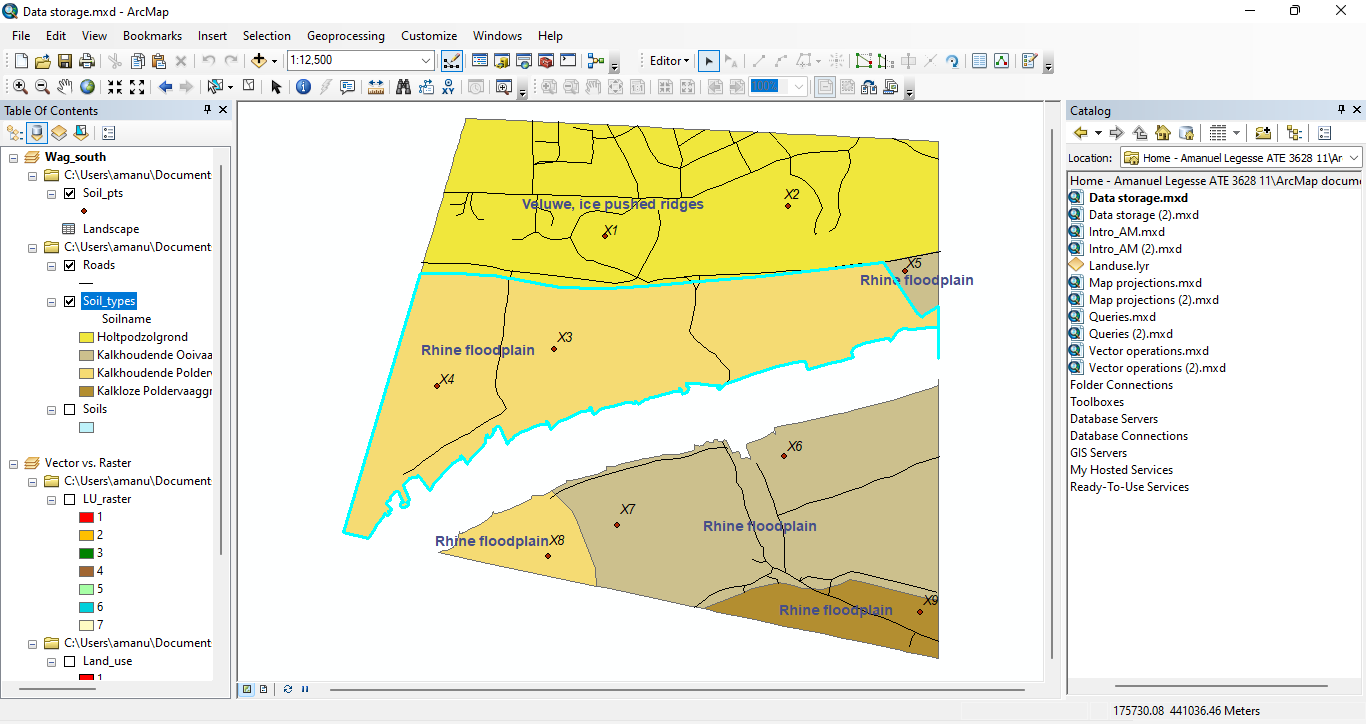
****

**Joining tables**

**5.A:**

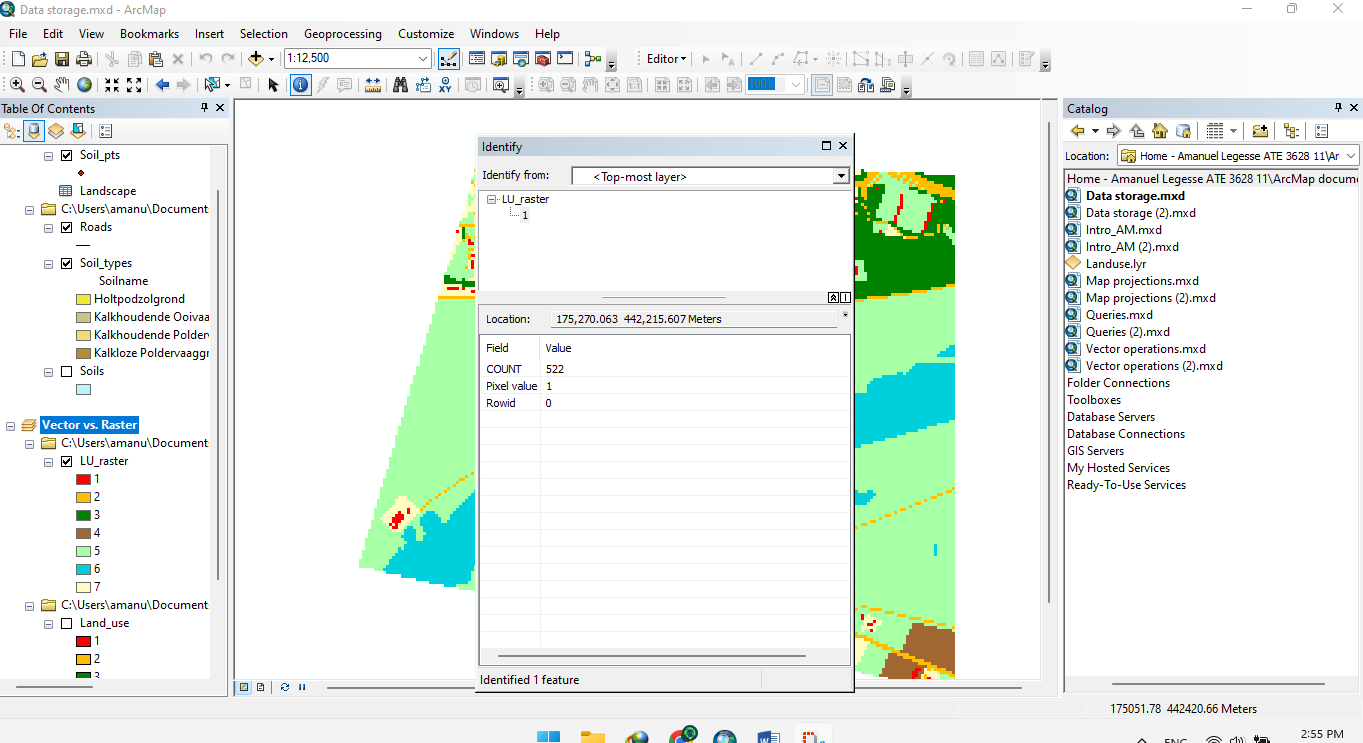
****

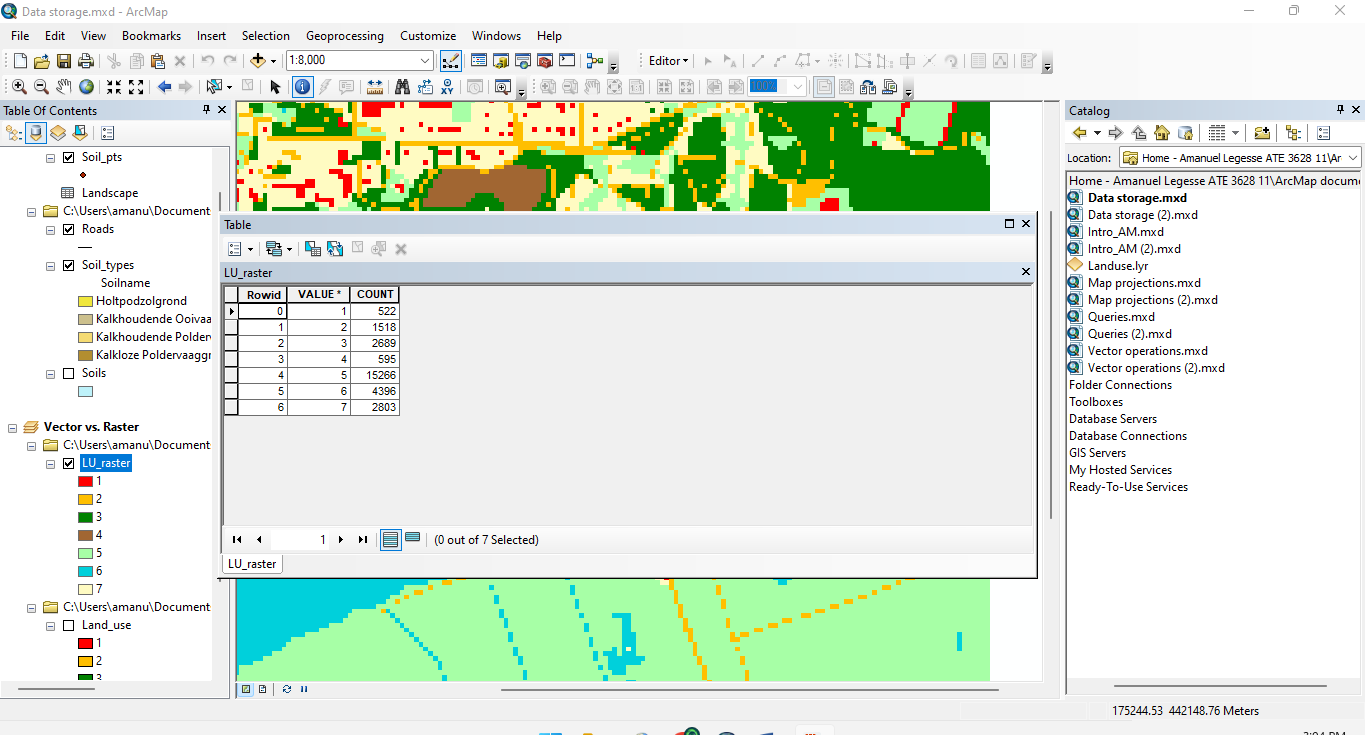
**5.B**

****

**Data structure of a raster dataset**

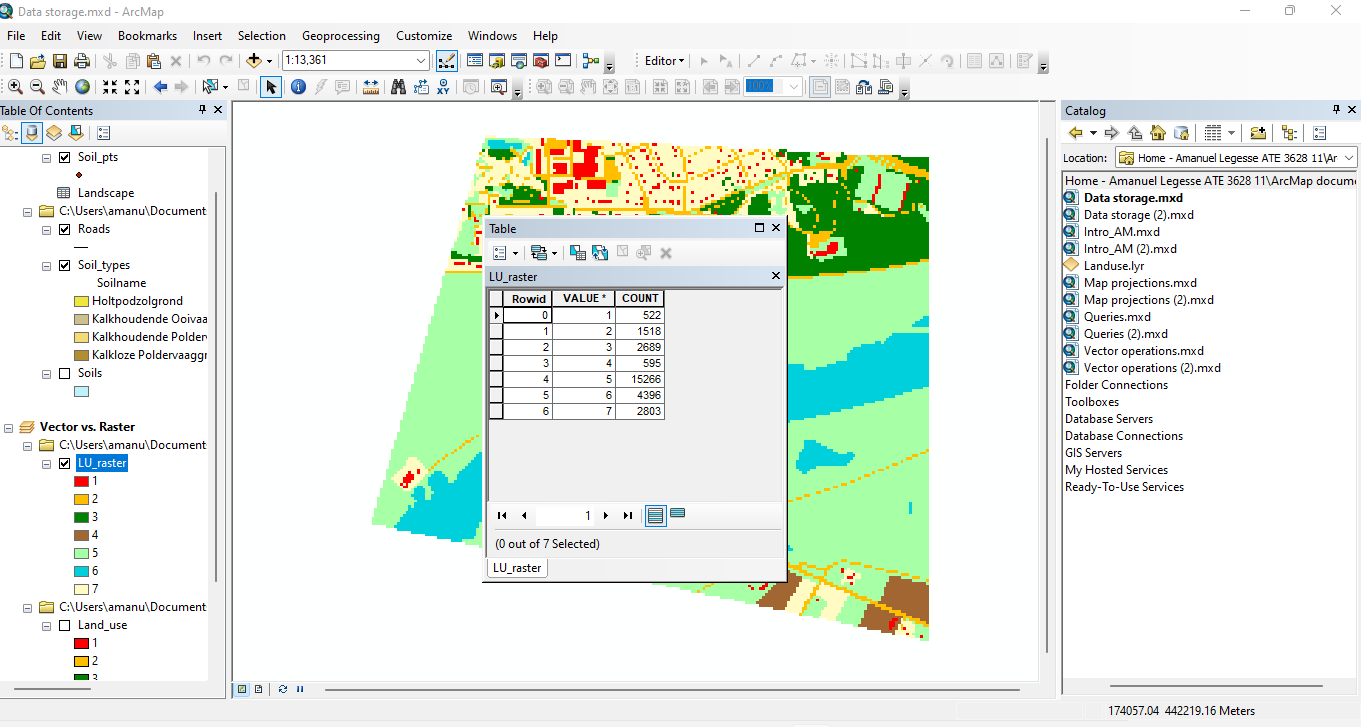
**6.A:** The raster attributes of ‘LU\_raster’ are create out integer having an associated raster cell value attribute table.

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****

**6.B**: ’ LU\_raster’ is a discrete geographic features that have definable boundaries because it features lakes, lands, buildings, roads…

**6.C:** the attribute table of ‘LU\_raster’ contains 7 values

****

**Zone vs. region in raster**

**7.** Zones because it represent all geographic objects with the same value and in the attribute table the values represent the zones.

**8.**

Lans\_Use is a type of attribute with fields specifying the area, perimeter and shape of the land mainly focusing on just the lands where Land\_raster specifies the values and counts of that raster.

