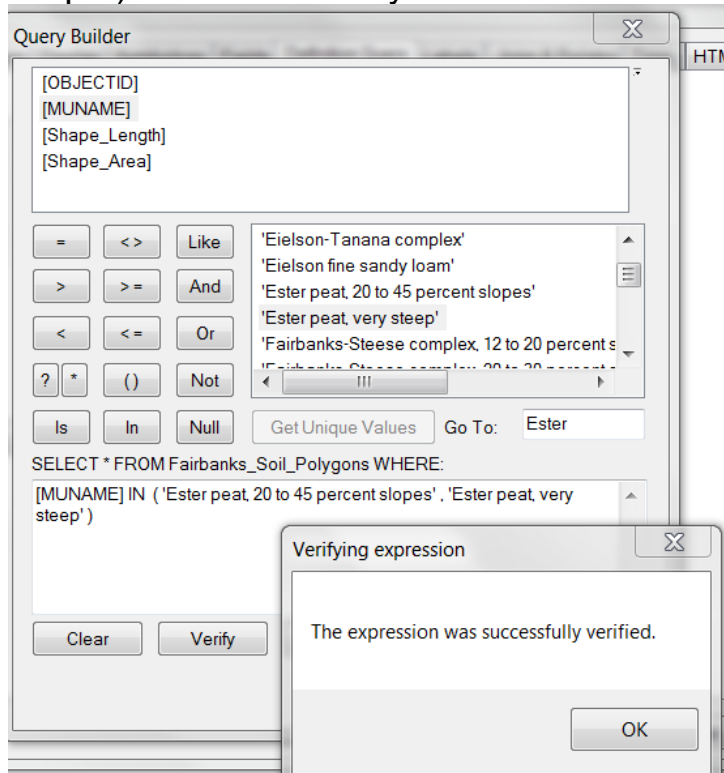


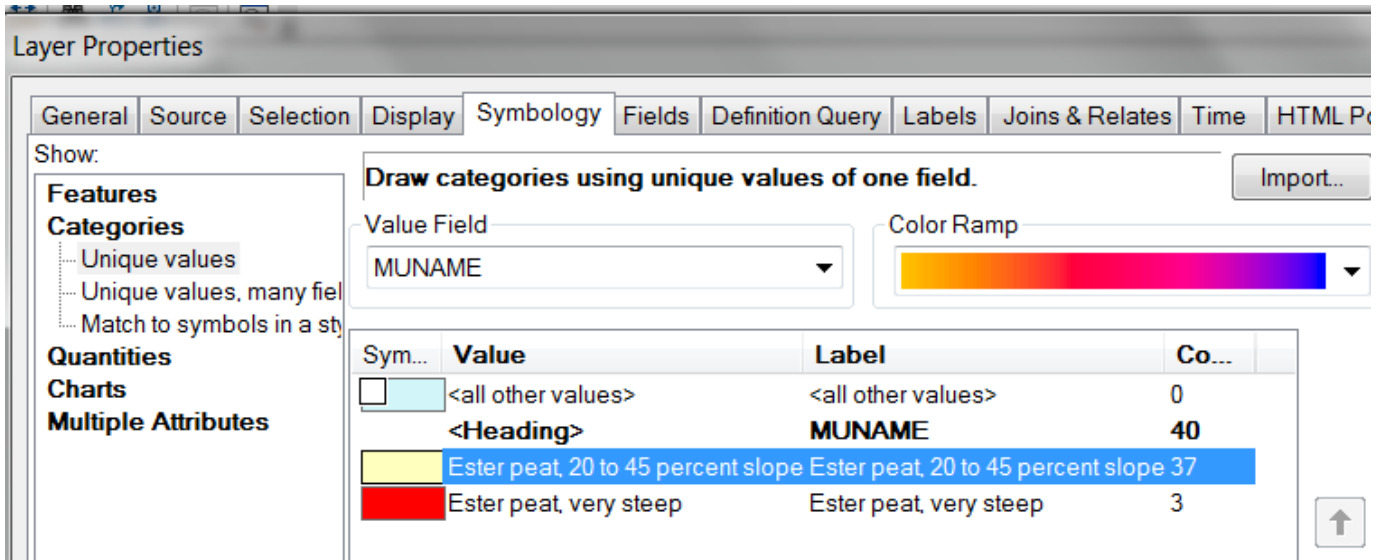
QUIZ#2: Random Points in Ester Peat Polygons KEY

Create 5 random points in each polygon 20-45 percent slope class, and 1 random point in each very steep slope class.

| | |
|---------|-------------------------------------|
| Polygon | Ester peat, 20 to 45 percent slopes |
| Polygon | Ester peat, 20 to 45 percent slopes |
| Polygon | Ester peat, very steep |
| Polygon | Ester peat, very steep |
| Polygon | Ester peat, 20 to 45 percent slopes |
| Polygon | Ester peat, 20 to 45 percent slopes |

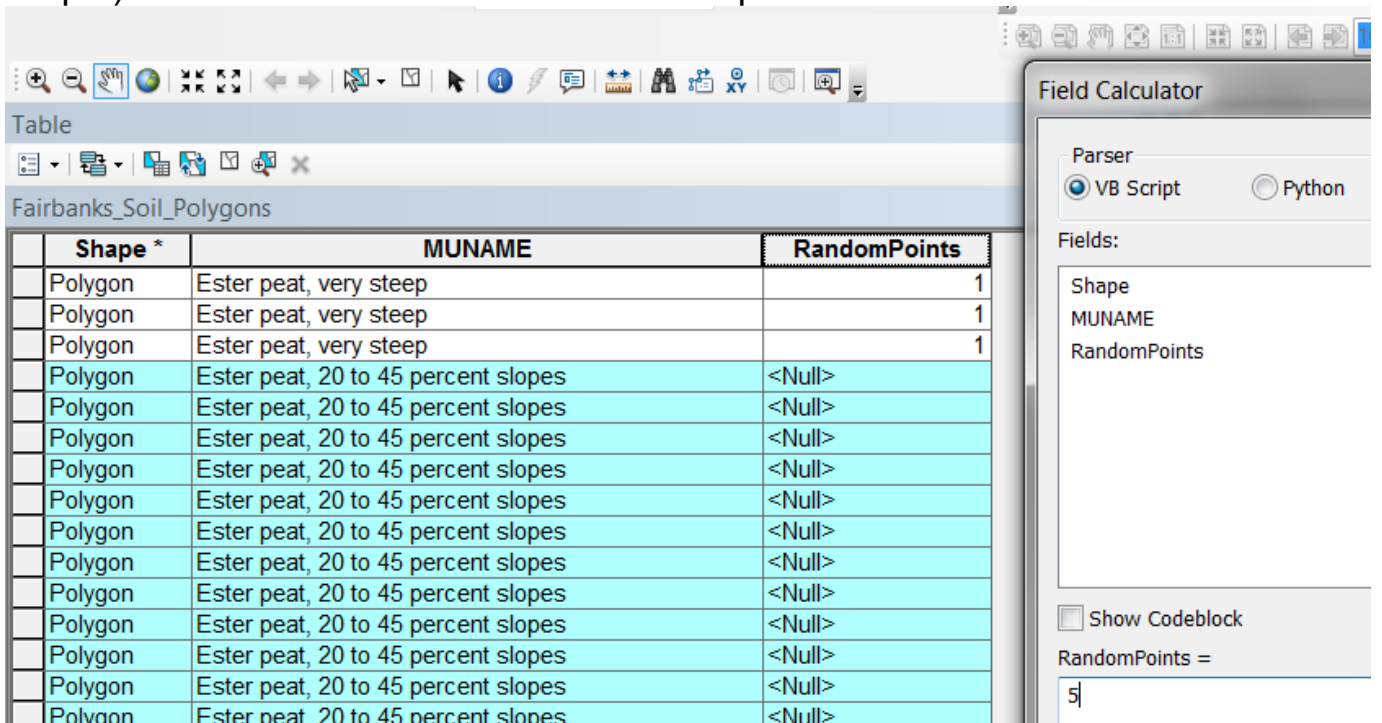
Step 1) Definition Query for the 2 EsterPeat Classes



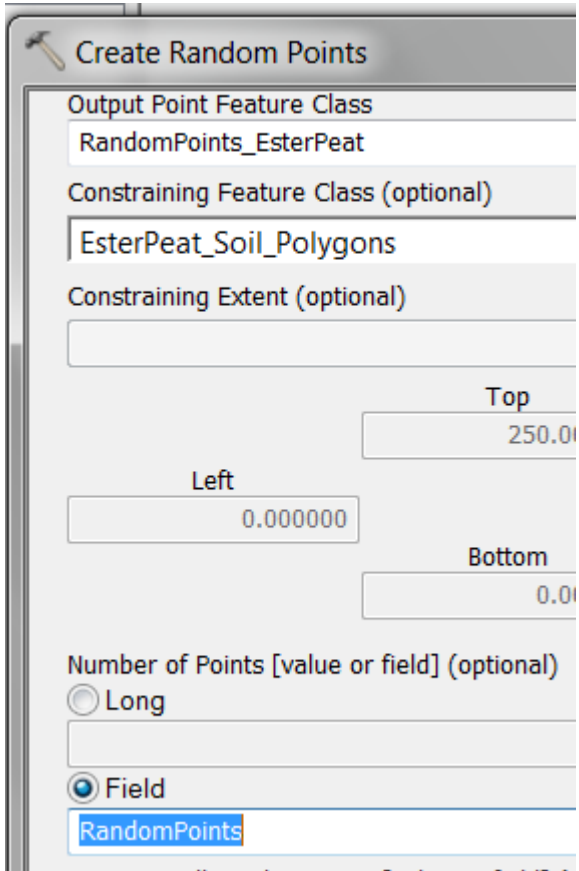


So there are 3 polygons in Ester peat very steep, 37 in Ester peat 20-45%

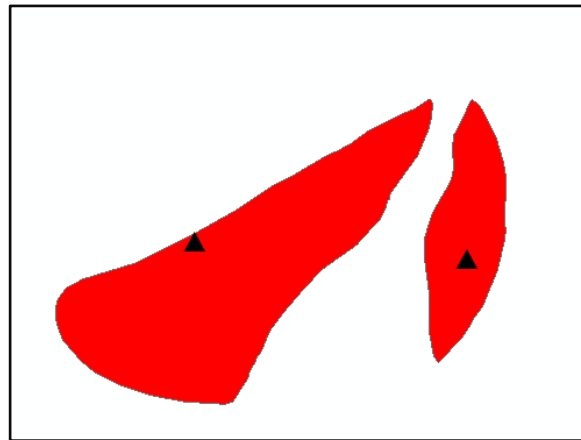
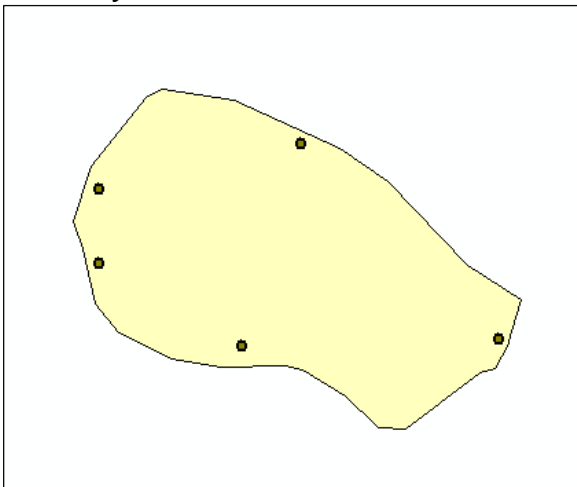
Step 2) Create a field for number of random points



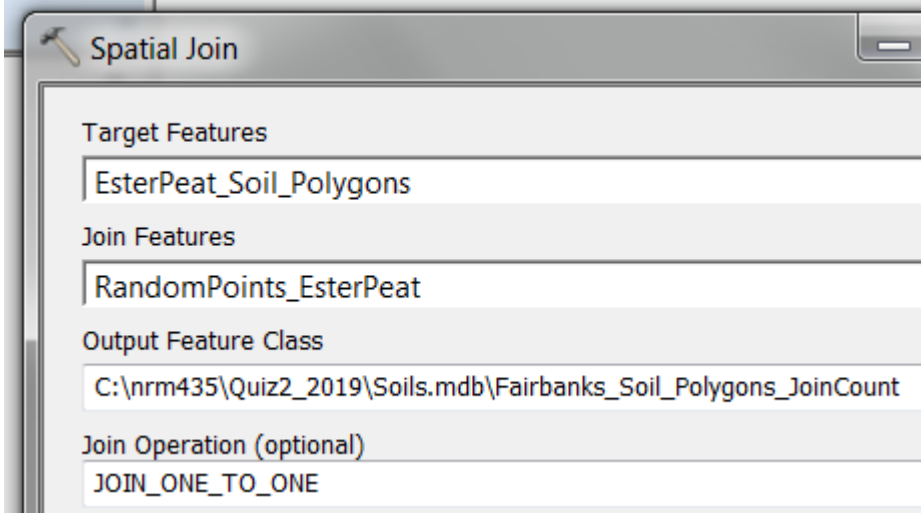
Step 3) Generate random points based on the field values



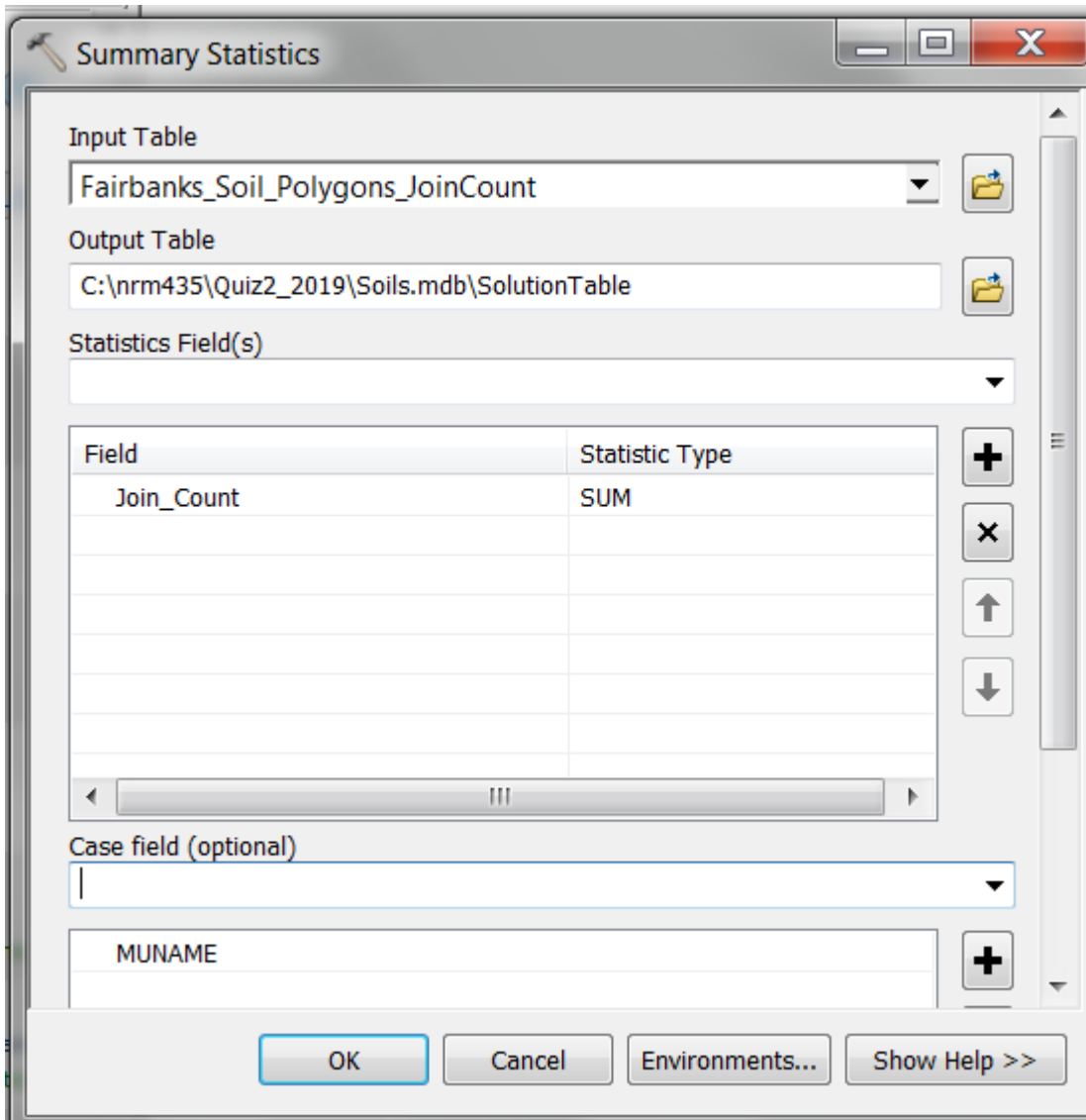
Visually check:



Step 4) Determine total random points by MUName class



| Join_Count | MUNAME |
|------------|-------------------------------------|
| 1 | Ester peat, very steep |
| 1 | Ester peat, very steep |
| 1 | Ester peat, very steep |
| 5 | Ester peat, 20 to 45 percent slopes |
| 5 | Ester peat, 20 to 45 percent slopes |
| 5 | Ester peat, 20 to 45 percent slopes |
| 5 | Ester peat, 20 to 45 percent slopes |



| SolutionTable | | |
|-------------------------------------|-----------|----------------|
| MUNAME | FREQUENCY | SUM_Join_Count |
| Ester peat, very steep | 3 | 3 |
| Ester peat, 20 to 45 percent slopes | 37 | 185 |

Check 5 random points * 37 polygons = 185 random points

You could also use Frequency to create the solution table:

Frequency Field(s)

- OBJECTID
- Shape
- Join_Count
- MUNAME
- Shape_Length
- Shape_Area

Select All

Unselect All

Summary Field(s) (optional)

- Join_Count
- Shape_Length
- Shape_Area

| FREQUENCY | MUNAME | Join_Count |
|------------------|-------------------------------------|-------------------|
| 3 | Ester peat, very steep | 3 |
| 37 | Ester peat, 20 to 45 percent slopes | 185 |