|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field | | ECa, mSm-1 | | | | |
| ID | **Area, ha** | **Min** | **Median** | **Max** | **Mean** | **Stdev** |
| 1 | 25 | 2.18 | 6.70 | 29.84 | 7.62 | 3.76 |
| 2 | 46 | 2.97 | 28.24 | 89.86 | 30.24 | 14.39 |
| 3 | 50 | 0.77 | 4.03 | 9.45 | 4.10 | 1.71 |
| 4 | 55 | 2.20 | 11.90 | 64.17 | 16.31 | 12.06 |
| 5 | 67 | 11.70 | 50.57 | 92.46 | 51.01 | 14.07 |
| 6 | 44 | 7.36 | 20.44 | 89.10 | 25.72 | 14.36 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field ID | K | MSEK=1 | MSEK | R2 |
| 1 | 5 | 14.10 | 3.51 | 0.75 |
| 2 | 7 | 206.99 | 53.73 | 0.74 |
| 3 | 9 | 2.93 | 0.69 | 0.77 |
| 4 | 9 | 145.38 | 22.18 | 0.85 |
| 5 | 26 | 197.91 | 69.53 | 0.65 |
| 6 | 5 | 206.17 | 62.92 | 0.69 |

|  |  |  |
| --- | --- | --- |
| NSA_F1_LAYER.tif | NSA_F1_GROUP.tif | NSA_F1_GROUPM.tif |
|  |  |  |
| NSA_F2_LAYER.tif | NSA_F2_GROUP.tif | NSA_F2_GROUPM.tif |
|  |  |  |
| NSA_F3_LAYER.tif | NSA_F3_GROUP.tif | NSA_F3_GROUPM.tif |
|  |  |  |
| NSA_F4_LAYER.tif | NSA_F4_GROUP.tif | NSA_F4_GROUPM.tif |
|  |  |  |
| NSA_F5_LAYER.tif | NSA_F5_GROUP.tif | NSA_F5_GROUPM.tif |
|  |  |  |
| NSA_F6_LAYER.tif | NSA_F6_GROUP.tif | NSA_F6_GROUPM.tif |
|  |  |  |

**No**

**Begin**

**The initial field is one group**

**Calculate MSEk=1**

**Find 3x3 group of cells resulting in MSEK=K+1 = min(MSEk=k+1)**

**(MSEK=K+1) < MSEK**

**End**

**No**

**Yes**

**New group (k=k+1)**

**Find the neighbour cells of group k producing min(MSE'K)**

**(MSE'K) < MSEK**

**Add the neighbours to group K**

**Yes**