

**Supplementary Table S1.** Valuation of criteria's index class in Konya Subregion.

<b>Climate</b>														
Aridity			Annual Average Number of Rainy Days			Dry Period Average Number of Rainy Days			Annual Average Maximum Air Temperature (°C)					
index	Area		index	Area		index	Area		index	Area				
	ha	%		ha	%		ha	%		ha	%			
1	30989.0	68.9	1	34962.0	77.7	1	44000.0	97.8	1	25100.0	55.8			
2	13984.0	31.1	2	10011.0	22.3	2	973.0	2.2	2	19510.0	43.4			
3	-	-	3	-	-	3	-	-	3	363.0	0.8			
4	-	-	4	-	-	4	-	-	4	-	-			
<b>Geo-Topography</b>														
Warm Period (May-September) Average Maximum Air Temperature (°C)			Parent material			Slope			Aspect			Elevation		
index	Area		index	Area		index	Area		index	Area		index	Area	
	ha	%		ha	%		ha	%		ha	%		ha	%
1	541.0	1.2	1	9833.0	21.9	1	2691.0	6.0	1	5733.6	12.7	1	3896.6	8.7
2	43443.0	96.6	2	13828.0	30.7	2	4146.0	9.2	2	14842.7	33.0	2	41076.4	91.3
3	989.0	2.2	3	20719.0	46.1	3	7143.5	15.9	3	11599.7	25.8	3	-	-
4	-	-	4	593.0	1.3	4	30992.5	68.9	4	12797.0	28.5	4	-	-
<b>Vegetation</b>						<b>Soil</b>								
LULC			Vegetation cover (NDVI)			Soil depth			Organic matter			Erosion		
index	Area		index	Area		index	Area		index	Area		index	Area	
	ha	%		ha	%		ha	%		ha	%		ha	%
1	4886	10.9	1	26654.7	59.3	1	9587.0	21.3	1	3265.0	7.3	1	6559.2	14.6
2	24938	55.5	2	9574.0	21.3	2	11908.0	26.5	2	30243.0	67.2	2	3676.0	8.2
3	14515	32.3	3	663.4	1.5	3	7553.0	16.8	3	9841.0	21.9	3	4416.0	9.8
4	634	1.4	4	8080.9	18.0	4	15925.0	35.4	4	1624.0	3.6	4	30321.8	67.4
<b>Soil</b>														
pH			Lime (CaCO <sub>3</sub> )			Bulk density			Texture					
index	Area		index	Area		index	Area		index	Area				
	ha	%		ha	%		ha	%		ha	%			
1	29236.0	65.0	1	27706.0	61.6	1	578	1.3	1	2823.0	6.3			
2	745.0	1.7	2	497.0	1.1	2	8014	17.8	2	2041.0	4.5			
3	8963.0	19.9	3	14842.0	33.0	3	33561	74.6	3	30457.0	67.7			
4	6029.0	13.4	4	1928.0	4.3	4	2820	6.3	4	9652.0	21.5			