

**Table S1** Reference for calculation method in Table 1

<b>Parameter</b>	<b>Lithology</b>	<b>Rainfall</b>	<b>Lineaments</b>	<b>Drainge</b>	<b>Slope</b>	<b>Elevation</b>	<b>Soil</b>	<b>NDVI</b>	<b>Calculation</b>	<b>Weight</b>
<b>Lithology</b>	8	7	6	5	4	3	2	1	8/21.74 (Lithology)	0.37
<b>Rainfall</b>	4	3.5	3	2.5	2	1.5	1	0.5	3.5/19.03 (Rainfall)	0.18
<b>Lineaments</b>	2.67	2.33	2	1.67	1.33	1	0.67	0.33	2/16.31 (Lineaments)	0.12
<b>Drainge</b>	2	1.75	1.5	1.25	1	0.75	0.5	0.25	1.25/13.59 (Drainage)	0.09
<b>Slope</b>	1.6	1.4	1.2	1	0.8	0.6	0.4	0.2	0.8/10.87 (Slope)	0.07
<b>Elevation</b>	1.33	1.17	1	0.83	0.67	0.5	0.33	0.17	0.5/8.15 (Elevation)	0.06
<b>Soil</b>	1.14	1	0.86	0.71	0.57	0.43	0.29	0.14	0.29/5.44 (Soil)	0.05
<b>NDVI</b>	1	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.125/2.72 (NDVI)	0.046
<b>Sum</b>	21.74	19.03	16.31	13.59	10.87	8.15	5.44	2.72		1