

Supplementary Table S4 Ecological resistance factors, weights, and coefficients in the SRB

Indicator	Unit	Weight	Resistance value				
			1	2	3	4	5
Distance to highway	m	0.145	0–24,515.30	24,515.30–51,662.37	51,662.37–83,677.95	83,677.95–128,471.79	128,471.79–225,800.80
Distance to railroad	m	0.161	0–19,416.49	19,416.49–41,303.75	41,303.75–67,475.92	67,475.92–103,619.50	103,619.50–180,247.05
Distance to water system	m	0.052	0–6,708.20	6,708.20–15,033.30	15,033.30–27,073.97	27,073.97–45,486.26	45,486.26–80,622.58
Elevation	m	0.023	29–250	250–432	432–648	648–923	923–2580
Topographic relief	m	0.081	0–132	132–301	301–481	481–716	716–1174
Slope	°	0.017	0–0.73	0.73–1.85	1.85–3.33	3.33–5.58	5.58–15.53
Number of snow days	d	0.247	1–50	50–93	93–120	120–141	0*, 141–218
Land use	/	0.274	Forest	Water	Shrub	Cropland/Grassland	Urban/Bareland

Note: * A building land without snow cover with a maximum resistance value of 5.