Table S1. Resistance values and resistance coefficients.

Land Type	Resistance Value	Slope	Slope Resistance Coefficient	Distance from Cultivated Land	Distance Resistance Coefficient
Paddy field	80	$0 < \text{Slope} \leq 15°$	1.0	0–100	2
Dry farmland	80	$15 < \text{Slope} \leq 20°$	1.1	100–200	1.8
Forest with high coverage	2	$20 < \text{Slope} \leq 25°$	1.2	200–500	1.5
Shrub land	4	$25 < \text{Slope} \leq 30°$	1.4	500–1000	1.3
Sparse woodland	15	$30 < \text{Slope} \leq 35°$	1.6	1000–2000	1.1
Other forest	20	$35 < \text{Slope} \leq 40°$	1.8		
Grassland with high coverage	10	$40 < \text{Slope}$	2.0		
Grassland with medium coverage	20				
Grassland with low coverage	30				
River	180				
Lake	180				
Pond	160				
Tidal flats	120				
Urban area	250				
Rural area	150				
Other cultivated land	280				
Unused land	180				
sea	300				