Table 1. Maximum distance and weight of the threats affecting habitat quality (Habitat Maintenance)

Threat	Maximum Distance	Weight	Decay
Paddy field	5	0.6	linear
Dry land	5	0.6	linear
Urban land	10	1	exponential
Rural settlement	6	0.8	exponential
Industrial and mining land	8	1	exponential
Railway	5	0.6	exponential
Primary road	3	0.8	linear

Table 2. The sensitivity of habitat types to each threat factor (Habitat Maintenance)

Land-use type	Habitat suitability score	Sensitivity to threats						
		Paddy field	Dry land	Urban land	Rural settlement	Industrial and mining land	Railway	Primary road
Paddy field	0.4	0.4	0.3	0.8	0.7	0.7	0.35	0.3
Dry land	0.3	0.4	0.4	0.7	0.6	0.6	0.35	0.3
Forest	1	0.6	0.6	0.8	0.7	0.9	0.6	0.55
Shrubland	0.9	0.55	0.55	0.75	0.65	0.85	0.55	0.5
Sparse woods	0.7	0.5	0.5	0.7	0.6	0.8	0.5	0.45
Others woods	0.6	0.5	0.5	0.7	0.6	0.8	0.5	0.4
Dense grassland	0.8	0.5	0.5	0.75	0.65	0.8	0.45	0.4
Moderate grassland	0.7	0.4	0.4	0.7	0.6	0.75	0.4	0.35
Sparse grassland	0.6	0.3	0.3	0.65	0.6	0.7	0.35	0.3
River and canal	0.9	0.8	0.7	0.85	0.8	0.8	0.5	0.5
Reservoir and pond	0.8	0.3	0.3	0.8	0.7	0.5	0.5	0.5
Tidal flat	0.9	0.6	0.6	0.7	0.65	0.7	0.65	0.6
Urban land	0	0	0	0	0	0	0	0
Rural settlement	0	0	0	0	0	0	0	0
Industrial and mining land	0	0	0	0	0	0	0	0
Swamp	0.9	0.7	0.6	0.8	0.7	0.3	0.75	0.7

Table 3. Carbon pool table (Carbon Sequestration)

Land use type	C_{above}	C_{below}	C_{soil}	C_{dead}
Cropland	4.53	0.906	71.02	0.56
Woodland	19.44	3.888	69.85	1.94
Grassland	2.74	0.548	43	0.21
Waters	3.99	0.798	32.48	0.06
Construction Land	0.1	0.02	60	0.01
Unused land	0.1	0.02	53.3	0.01

Table 4. Biophysical Table (Water Yield)

Land-use type	*root depth*	K_c	$LULC_{veg}$
Paddy field	700	0.8	1
Dry land	100	0.2	1
Forest	7000	1	1
Shrubland	5000	0.398	1
Sparse woods	5000	1	1
Others woods	2500	1	1
Dense grassland	2500	0.65	1
Moderate grassland	2000	0.65	1
Sparse grassland	2000	0.65	1
River and canal	10	1	0
Reservoir and pond	10	1	0
Tidal flat	10	1	0
Urban land	0	0.2	0
Rural settlement	0	0.2	0
Industrial and mining land	0	0.2	0
Swamp	10	0.6	0