Supplementary materials

Figure S1. *The vegetation and land use/land cover types of the study area.*

Table S1. *Input data on carbon stored in each of the four fundamental pools for each LULC class in the InVEST 3.8.9 model*

Unit: (t/ha)

Land use/land cover type	Aboveground biomass	Belowground biomass	Soil	Dead organic matter
Cropland	46	3	71	1
Forests	218	93	115	43
Grass	70.5	28	47.5	1.5
Shrub	90	60	110	30
Water	10	5	20	0
Construction	0	0	50	0

Table S2. *Input data for each LULC class in the InVEST 3.8.0 water yield model*

Land use/land cover type	Evapotranspiration coefficient	Max root depth (mm)
Cropland	0.6	700
Forests	0.613	5000
Grass	0.591	500
Shrub	0.661	2000
Water	1	1
Construction	0.3	1

Table S3. *Input data for each LULC class in the InVEST 3.8.9 sediment delivery ratio model*

Land use/land cover type	Cover and management factor	Management practice factor
Cropland	0.15	1
Forests	0.08	0.2
Grass	0.19	0.7
Shrub	0.09	0.2
Water	0	0
Construction	0	0