Supplementary Materials

Table S1. Characteristics of sediment transport rates for different forest stands.

Type of Protection Forest	Height of Sediment Transport (cm)				
	5	15	25	35	45
10aNZ-HJ	0.0027 ± 0.00006c	0.0007 ± 0.00004c	0.0002 ± 0.00002c	0b	0b
10aSZ-HJ	0.0115 ± 0.00093a	0.0061 ± 0.00058a	0.0014 ± 0.0001b	0.0006 ± 0.00003a	0.0002 ± 0.00001a
10aWZ-HJ	0.0014 ± 0.0001d	0.0006 ± 0.0002c	0.0001 ± 0.00001c	0b	0b
10aZJ-C	0.0087 ± 0.00023b	0.0035 ± 0.00017b	0.0027 ± 0.00023a	0b	0b
17aZJ-C	0.0012 ± 0.0001de	0.0003 ± 0.00003c	0c	0b	0b
37aZJ-C	0e	0c	0c	0b	0b

Table S2. Accumulative sediment transport and sediment transport height of different types of land.

Type of Protection Forest	Accumulated Sediment Transport (g)	Height of Sediment Discharge (cm)
10aNZ-HJ	1.11 ± 0.04c	25
10aSZ-HJ	6.10 ± 0.51a	45
10aWZ-HJ	0.66 ± 0.06cd	25
10aZJ-C	4.58 ± 0.06b	25
17aZJ-C	0.45 ± 0.04cd	25
37aZJ-C	0d	0
CK	627.16 ± 34.34	45