

Supplementary data tables for

**“High natural erosion rates are the backdrop for enhanced anthropogenic soil erosion in the Middle Hills of Nepal”**

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Table S1.  $^{10}\text{Be}_{\text{qtz}}$ -derived denudation rates from catchments in Nepal Middle Hills

Sample	Catchment area ( $\text{km}^2$ )	Denudation rate $\pm 1\sigma$ (mm/yr)
<i>From Wobus et al., 2005</i>		
01WBS1	10.5	0.18 $\pm$ 0.02
03WBS2	3.9	0.19 $\pm$ 0.01
01WBS3	16.7	0.19 $\pm$ 0.03
01WBS2	22.4	0.19 $\pm$ 0.02
01WBS5	3.4	0.19 $\pm$ 0.02
01WBS6	18.4	0.37 $\pm$ 0.04
01WBS7	17.5	0.48 $\pm$ 0.08
03WBS1	3.2	0.77 $\pm$ 0.10
<i>Mean</i>		<i>0.19<math>\pm</math>0.01</i>
<i>From Godard et al., 2014</i>		
KP-160311-11	65.9	0.10 $\pm$ 0.01
KP-160311-12	42.5	0.10 $\pm$ 0.01
EK-180311-1	29.8	0.12 $\pm$ 0.01
EK-180311-2	87.1	0.12 $\pm$ 0.01
KP-160311-9	93.2	0.13 $\pm$ 0.01
KP-160311-10	97	0.14 $\pm$ 0.02
KP-090311-1	110.8	0.19 $\pm$ 0.02
KP-090311-3	87.9	0.20 $\pm$ 0.02
KP-090311-2	11.9	0.21 $\pm$ 0.03
KP-090311-4	19.5	0.21 $\pm$ 0.03
TR-170311-4	86.2	0.22 $\pm$ 0.03
KP-090311-7	55.4	0.24 $\pm$ 0.04
PO-150311-5	90.7	0.26 $\pm$ 0.04
KP-090311-5	99.1	0.36 $\pm$ 0.06
KP-090311-6	46.3	0.49 $\pm$ 0.08
KP-090311-8	26.6	0.49 $\pm$ 0.07
TR-170311-1	67.4	0.52 $\pm$ 0.10
PO-140311-1	42.5	0.63 $\pm$ 0.09
EK-180311-3	40.8	0.71 $\pm$ 0.12
PO-150311-3	30.1	0.78 $\pm$ 0.15
TR-170311-2	54.1	0.85 $\pm$ 0.16
PO-150311-2	41.5	0.88 $\pm$ 0.15
EK-180311-4	40.8	1.05 $\pm$ 0.27
TR-170311-3	146.8	1.33 $\pm$ 0.22
EK-180311-5	116.5	1.81 $\pm$ 0.49
<i>Mean</i>		<i>0.22<math>\pm</math>0.12</i>
<b><i>Middle Hills Mean</i></b>		<b><i>0.22<math>\pm</math>0.11</i></b>
<i>grey text: catchments outside of Middle Hills; not included in average values</i>		

Table S2. Suspended sediment fluxes from catchments in Nepal

Station ID	River	Station	Catchment area (km <sup>2</sup> )	Sediment yield <sup>1</sup> (t.km <sup>-2</sup> .yr <sup>-1</sup> )	Sediment yield <sup>2</sup> (t.km <sup>-2</sup> .yr <sup>-1</sup> )
570	Kulekhani	Kulekhani	126	173.5	
470	Lothar	Lothar	169	3637	
170	Surnagad	Patan	188	1200	
430	Seti	Pokhara	582	5285.9	
550	Bagmati	Chobhar	585	1476.8	
286	Sarada	Sarada	816	507	371
795	Kankaimai	Mainachuli	1148	4835.5	1195
598	Kamala	Kamala	1550	323	
590	Bagmati	Karmaiya	2720	1476.8	
290	Babai	Bargadha	3000	3700	
350	West Rapti	Bayasoti	3512	4730.6	5016
447	Trisuli	Betrawati	4640	970.1	542
360	West Rapti	Jalkundi	5150	2795.6	2540
690	Tamur	Mulghat	5640	10205.2	
410	Kaligandaki	Setibeni	7130	4172.8	4449
260	Seti	Banga	7460	2801.8	
240	Karnali	Asarghat	19260	862.1	492
450	Narayani	Narayanghat	31100	5683.8	3037
280	Karnali	Chisapani	42890	2010.5	1651
695	Saptakosi	Chatra	59400	2440	1161

**Mean  $\pm$  std dev****2180 $\pm$ 209****Median +95<sup>th</sup>/-5<sup>th</sup> percentile****1338+3948/-1165***grey text*: include significant area outside of Middle Hills; not included in averages<sup>1</sup> sediment yields reported in Chalise and Khanal, 1997<sup>2</sup> sediment yields calculated by Andermann et al., 2012