

Sample ^b	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Sedimentary rock samples														
R01	35.7	71.2	8.4	32.4	6.0	1.2	4.5	0.7	4.0	0.7	2.0	0.3	1.9	0.3
G	35.7	70.4	8.3	32.3	6.0	1.3	4.6	0.7	4.2	0.8	2.3	0.3	2.2	0.3
R04	49.1	95.4	10.7	39.3	6.6	1.3	4.0	0.7	3.5	0.7	1.9	0.3	1.8	0.2
R02	28.5	55.5	6.6	25.7	4.8	1.1	3.8	0.6	3.2	0.6	1.7	0.2	1.5	0.2
R03	30.5	60.3	6.8	25.4	4.5	0.9	3.1	0.4	2.2	0.4	1.0	0.1	0.9	0.1
Sediment sample														
D	43.9	88.5	9.9	36.5	6.5	1.2	4.3	0.6	3.3	0.6	1.6	0.2	1.4	0.2
Stream sediment samples														
L	37.1	72.8	8.3	31.6	5.8	1.2	4.4	0.7	4.0	0.8	2.2	0.3	2.0	0.3
O	37.9	76.3	8.7	33.4	5.9	1.1	4.2	0.6	3.1	0.5	1.4	0.2	1.3	0.2
<2 μm fraction of bulk rock and sediment samples														
R01-clay	37.0	72.7	9.4	38.1	8.0	1.8	7.1	1.0	5.8	1.0	2.8	0.4	2.5	0.3
R04-clay	38.9	78.0	8.6	31.9	5.8	1.0	3.7	0.6	3.5	0.7	2.0	0.3	2.0	0.3
G-clay	32.4	64.3	8.0	32.6	6.5	1.5	5.7	0.9	4.8	0.9	2.4	0.3	2.2	0.3
D-clay	31.5	64.0	7.0	25.9	4.8	1.0	3.8	0.6	3.4	0.7	1.8	0.3	1.7	0.2
L-clay	30.5	60.4	7.1	29.0	6.0	1.4	5.4	0.9	4.9	1.0	2.7	0.4	2.5	0.4
Stream suspended sediments (bulk)														
20120801SG	41.8	82.8	9.4	34.4	6.2	1.2	4.2	0.6	3.3	0.6	1.6	0.2	1.5	0.2
20120617D	40.3	79.3	9.1	34.1	6.2	1.2	4.3	0.6	3.5	0.6	1.6	0.2	1.5	0.2
20120618F	40.9	84.5	10.0	40.3	8.2	1.8	7.1	1.0	5.4	1.0	2.5	0.3	2.0	0.3
20120726F	44.3	89.6	10.4	41.8	8.6	1.9	7.7	1.2	6.3	1.1	2.9	0.4	2.4	0.3
20120729D	44.6	88.9	9.9	37.3	6.6	1.3	4.7	0.7	3.7	0.7	1.8	0.3	1.7	0.3
Stream suspended sediments (acid-treated)														
20120617D(HCl)	38.1	72.8	7.9	28.6	4.5	0.7	2.3	0.4	2.2	0.4	1.3	0.2	1.3	0.2
20120618F(HCl)	36.8	71.0	7.8	27.8	4.2	0.9	2.5	0.4	2.7	0.5	1.5	0.2	1.7	0.2
20120726F(HCl)	42.2	81.2	8.8	30.7	4.7	0.9	2.7	0.5	3.0	0.6	1.7	0.3	1.8	0.2
20120729D(HCl)	42.1	80.4	8.8	31.7	4.7	0.9	2.5	0.4	2.4	0.5	1.4	0.2	1.4	0.2

^a The hotplate digestion method used does not digest zircons and therefore the high rare earth element (HREE) concentrations may be lower than the true total. Nd and Sm are fully digested by the hotplate method (Rickli et al., 2013). ^b Please refer to Table 1 for sample descriptions.