

Supplementary table 1. Percentage of minerals in sediment sample of active landslides, Bhilangana basin.

Sample	Quartz	BAMO	SCOH	ZA	PTT	PHG	PDT	DT	DTM	SHTT	SCD	ZLT	PTHF	TOD	AST	MGN	TIGG
DFL123	100.0																
DFL127	56.9		3.8		38.8												0.5
DFL132	74.3		0.9						10.4							14.4	
DFL145	83.4	2.3								14.3							
DFL162	99.4														0.1		0.5
DFL167	99.1											0.9					
DFL172	99.5	0.5															
DFL187	62.0	17.1	14.0											6.9			
DFL298	63.6		5.3														31.1
DFL299	80.8		8.8	10.4													
DFL304	73.0		8.0	12.1													6.9
DFL84	84.8											15.2					
DFW119	80.2				19.8												
DFW120	83.3	2.5				7.8					2.1						
DFW154	48.8		5.3		43.3		0.6								2.0		
DFW229	83.5		9.0														7.5
DFW306	49.6		3.9				44.1	0.9								1.5	
DFW96	95.0									5.2			5.2				
RFL118	80.5					14.5				1.2				1.2	3.7		
RFL151	94.9	0.0									5.1						
RFL308	74.0						23.2	2.3									0.5
RFL80	97.7	2.3														0.1	
SLM153	87.8	10.6															1.6
SLM301	74.2		4.9	4.3		1.6											15.0
SLM82	99.5							0.1						0.1		0.2	0.1

BAMO- Bismuth Arsenic Molybdenum Oxide; SCOH-Sodium Cobalt Oxide Hydrate; ZA-Zinc Antimony; PTT-Protoenstatite; PHG-Phengite; PDT-Priderite; DT-Dilanthanum Tris(molybdate); DTM-Dilanthanum Tris(molybdate); SHTT-Sodium Hydrogen Tecto-arsenatomolybdate Tetrahydrate; SCD-Squaric acid; ZLT-Zeolite; PTHF-Pentapotassium Tetrachromium(II) Hexachromium Fluoride; TOD-Terbium Oxide; AST-Ammonium Silver Tetrathioarsenate; MGN-Magnetite; and TIGG-Terbium Iron Germanide Gallide