



Supplement of

Short communication: Concentrated impacts by tree canopy drips – hotspots of soil erosion in forests

Ayumi Katayama et al.

Correspondence to: Ayumi Katayama (ayumi.katayama0920@gmail.com)

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Type	Event	mm Rainfall	J/m2 TKE	g LoS
General	1	41.7	291.964	3.94
General	1	20.4	525.387	7.09
General	1	20.4	271.215	3.66
General	1	22.8	125.974	1.7
General	1	25.2	156.356	2.11
Impact	1	331.7	8868.592	119.68
Freefall	1	35.36777	133.385	1.8
Freefall	1	36.15372	145.241	1.96
Freefall	1	36.15372	172.659	2.33
Freefall	1	36.15372	174.882	2.36
Freefall	1	36.15372	176.364	2.38
General	2	9.117024	105.967	1.43
General	2	8.959834	180.81	2.44
General	2	8.331074	85.959	1.16
General	2	8.488264	61.505	0.83
General	2	8.802644	67.433	0.91
General	2	10.68892	110.413	1.49
Impact	2	40.39785	3307.196	44.63
Freefall	2	11.78926	48.908	0.66
Freefall	2	11.94645	45.944	0.62
Freefall	2	12.10364	45.944	0.62
Freefall	2	11.78926	45.944	0.62
Freefall	2	11.63206	52.613	0.71
General	3	30.49487	226.754	3.06
General	3	NA	709.161	9.57
General	3	27.03669	341.613	4.61
General	3	31.12363	329.015	4.44
General	3	35.21058	343.836	4.64
General	3	61.61851	427.572	5.77
Impact	3	314.3801	7737.046	104.41
Freefall	3	44.3276	360.138	4.86
Freefall	3	44.01322	306.785	4.14
Freefall	3	43.07008	327.533	4.42
Freefall	3	42.7557	439.428	5.93
Freefall	3	42.7557	489.077	6.6
General	4	28.29421	287.518	3.88
General	4	28.60859	821.797	11.09

General	4	25.46479	258.618	3.49
General	4	27.35107	291.964	3.94
General	4	30.49487	417.938	5.64
General	4	45.58512	243.056	3.28
Impact	4	314.3801	8166.1	110.2
Freefall	4	38.98314	267.51	3.61
Freefall	4	37.72562	284.554	3.84
Freefall	4	39.29752	299.374	4.04
Freefall	4	39.29752	312.713	4.22
Freefall	4	38.66876	303.82	4.1
General	5	29.55173	308.267	4.16
General	5	17.29091	447.579	6.04
General	5	13.51835	151.169	2.04
General	5	14.46149	174.141	2.35
General	5	15.40463	94.851	1.28
General	5	33.00991	572.813	7.73
Impact	5	268.1663	6181.634	83.42
Freefall	5	24.83603	15.562	0.21
Freefall	5	24.83603	17.044	0.23
Freefall	5	25.15041	28.9	0.39
Freefall	5	24.52165	42.979	0.58
Freefall	5	24.83603	19.267	0.26
General	6	41.1838	752.141	10.15
General	6	33.63867	594.302	8.02
General	6	29.86611	904.051	12.2
General	6	31.12363	979.636	13.22
General	6	34.89619	1101.164	14.86
General	6	64.13355	1028.543	13.88
Impact	6	394	11571	156.23
Freefall	6	53.44462	509.825	6.88
Freefall	6	54.38776	510.567	6.89
Freefall	6	53.44462	588.374	7.94
Freefall	6	53.13024	603.195	8.14
Freefall	6	56.27404	594.302	8.02
General	7	4.244132	145.241	1.96
General	7	5.265867	320.123	4.32
General	7	4.872892	174.141	2.35
General	7	4.086942	251.208	3.39
General	7	3.851157	244.538	3.3

General	7	4.794297	203.041	2.74
Impact	7	9.431404	769.184	10.38
Freefall	7	4.951487	20.749	0.28
Freefall	7	5.108677	23.713	0.32
Freefall	7	5.423057	34.828	0.47
Freefall	7	5.187272	34.828	0.47
Freefall	7	4.715702	18.526	0.25
General	8	65.7	1312.356	17.71
General	8	62.2	1351.63	18.24
General	8	52.8	2709.93	36.57
General	8	46.2	1428.697	19.28
General	8	53.4	1450.928	19.58
General	8	61	2083.022	28.11
Impact	8	704.8616	20723	157.14
Freefall	8	95.9	313.454	4.23
Freefall	8	96.2	278.626	3.76
Freefall	8	96.2	300.856	4.06
Freefall	8	97.1	408.305	5.51
Freefall	8	99.3	309.749	4.18
General	9	45.58512	898.864	12.13
General	9	32.06677	731.392	9.87
General	9	29.55173	1227.879	16.57
General	9	28.29421	878.115	11.85
General	9	31.75239	820.315	11.07
General	9	65.70545	1527.994	20.62
Impact	9	440.6528	12955	156.53
Freefall	9	62.87603	5.704	0.076976
Freefall	9	58.16032	7.82	0.105529
Freefall	9	59.73223	6.401	0.086381
Freefall	9	60.36099	7.099	0.095802
Freefall	9	61.93289	9.297	0.125456
General	10	21.69223	600.972	8.11
General	10	31.12363	1028.543	13.88
General	10	17.60529	798.084	10.77
General	10	14.14711	541.69	7.31
General	10	17.76248	558.733	7.54
General	10	29.86611	709.161	9.57
Impact	10	197.6995	11136.87	150.29
Freefall	10	26.25074	6.669	0.09

Freefall	10	26.25074	8.892	0.12
Freefall	10	26.72231	11.115	0.15
Freefall	10	26.8795	21.49	0.29
Freefall	10	29.86611	13.338	0.18