

Article

Mapping of Areas Vulnerable to Flash Floods by Means of Morphometric Analysis with Weighting Criteria Applied

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Supplementary Material

Table S1. DEM statistics for each sub-basin.

Sub-basin	Mean	Median	Standard deviation	Variance	Minimum	Maximum	pixel count
SB-1	4550.44	4589.00	324.11	105044.25	2976	5882	1576960
SB-2	4478.87	4552.00	279.61	78179.70	3076	5137	971630
SB-3	4331.92	4545.00	558.84	312306.22	2384	5671	739815
SB-4	4581.61	4658.00	338.28	114431.27	2528	5372	796466
SB-5	3953.77	4250.00	819.65	671828.52	1523	5650	1082466
SB-6	4119.59	4303.00	567.30	321831.25	1672	4981	553404
SB-7	3559.14	3828.00	1012.62	1025399.06	1089	5152	1133856
SB-8	4224.98	4537.00	755.25	570401.70	1097	5253	1571832
SB-9	1878.92	1831.00	603.51	364221.21	917	3322	51285
SB-10	3669.31	3819.00	752.25	565877.50	917	4880	973628
SB-11	1690.73	1638.00	1048.74	1099851.04	0	4420	3407838

Table S2. Raster statistics of slope in grade for each sub-basin.

Sub-basin	Mean	Median	Standard deviation	Variance	Minimum	Maximum	pixel count
SB-1	22.59	22.09	11.87	140.92	0.00	76.95	1576960
SB-2	20.82	19.49	12.55	157.53	0.00	77.61	971630
SB-3	27.83	28.44	12.08	145.96	0.00	73.96	739815
SB-4	22.80	22.11	11.74	137.71	0.00	76.15	796466
SB-5	27.96	28.93	11.85	140.45	0.00	85.12	1082466
SB-6	19.48	17.53	10.80	116.64	0.00	73.50	553404
SB-7	27.02	27.86	12.32	151.85	0.00	74.35	1133856
SB-8	22.01	21.05	12.20	148.86	0.00	73.47	1571832
SB-9	34.04	35.45	10.46	109.35	0.34	72.69	51285
SB-10	21.23	20.37	10.29	105.92	0.00	72.12	973628
SB-11	23.24	24.51	12.45	154.90	0.00	74.35	3407838