

Event		Event A 02/02/2020	Event B 11/05/2020
Cumulative rainfall (mm)		9.4	35.2
Rainfall duration (h)		9.67	13.25
Maximum rainfall intensity (mm/5 min)		4.8	14.4
Pre-event rainfall (mm/48 h)		8.0	1.6
Pre-event rainfall (mm/5 days)		13.8	1.8
Total runoff (m <sup>3</sup> )		293.8	132.3
Runoff coefficient (%)		75.3	9.6
Subsurface runoff	Peak flow (L s <sup>-1</sup> )	1.82	0.89
	Volume (m <sup>3</sup> )	97.85	30.36
	Reaction time <sup>†</sup> (h)	2.28	1.95
	Rising limb (h)	5.38	1.85
	Recessional limb (h)	23.62	16.15
	Runoff duration (h)	29.00	18.00
Surface runoff	Peak flow (L s <sup>-1</sup> )	16.08	5.36
	Volume (m <sup>3</sup> )	196.02	102.01
	Reaction time <sup>†</sup> (h)	1.92	3.85
	Rising limb (h)	5.42	3.42
	Recessional limb (h)	18.58	13.58
	Runoff duration (h)	24.00	17.00

Table 3. Hydrological characteristics of the two studied events. The event A is an event occurred during the intense drainage period and the event B occurred during the low drainage period. <sup>†</sup>Reaction time described here is the time difference between the rainfall barycenter and the start of the flow increase.