

Table 1. Computation results with $t_r=120$ min and $C N_D(III)=94.4$

Design storm				Two-hour triangular unit hydrograph				Surface runoff							
								$\phi_i=0$				$\phi_i=0.4$			
Return period	t_c	i	P	t_L	t_{peak}	t_{base}	q_{peak}	t_p	F	S_o	P_e	t_p	F	S_o	P_e
(year)	(min)	(mm/h)	(mm)	(min)	(min)	(min)	(m ³ /s.cm)	(min)	(mm)	(mm)	(mm)	(min)	(mm)	(mm)	(mm)
5	111.8 5	11	22	67.11	127.11	339.3 9	0.98	281.5 5	22.00	4.23	0.00	56.31	19.87	8.73	0.00
10	94.45	15	30	56.67	116.67	311.5 0	1.07	151.4 1	30.00	6.52	0.00	30.28	19.87	11.06	0.00
25	76.57	23	46	45.94	105.94	282.8 7	1.18	64.40	38.29	10.33	0.00	12.88	19.87	13.55	12.58
50	67.77	30	60	40.66	100.66	268.7 6	1.24	37.85	38.29	12.48	9.23	7.57	19.87	14.44	25.70
100	59.65	40	80	35.79	95.79	255.7 5	1.30	21.29	38.29	14.08	27.63	4.26	19.87	14.89	45.24