

					Daily SWAT model simulation		Sub-daily SWAT-EVENT model simulation with sub-basin level UH parameter					Sub-daily SWAT-EVENT model simulation with basin level UH parameter				
	Flood event	Start date	End date	Observed peak flow ($\text{m}^3 \text{s}^{-1}$)	Simulated	E_{ns}	Simulated	E_{RP}	E_{RPT}	E_{RR}	E_{ns}	Simulated	E_{RP}	E_{RPT}	E_{RR}	E_{ns}
					peak flow ($\text{m}^3 \text{s}^{-1}$)		peak flow ($\text{m}^3 \text{s}^{-1}$)	(%)	(%)	(%)		peak flow ($\text{m}^3 \text{s}^{-1}$)	(%)	(%)	(%)	
Calibration	19910521	21 May	10 Jun	2935	2160	0.68	2740	-6.64	-6.04	13.38	0.93	2880	-1.87	-10.74	13.51	0.83
	19910610	10 Jun	29 Jun	7577	4500	0.80	7050	-6.96	0.00	-23.08	0.91	6860	-9.46	-9.46	-22.98	0.90
	19910629	29 Jun	21 Jul	5931	3720	0.83	4960	-16.37	0.88	-31.25	0.85	4760	-19.74	-7.89	-31.21	0.85
	19910804	4 Aug	17 Aug	4824	2830	0.70	3250	-32.63	1.59	-28.10	0.81	3030	-37.19	-1.59	-28.05	0.80
	19950707	7 Jul	18 Jul	2613	1990	0.67	2310	-11.60	2.44	7.77	0.89	2200	-15.81	-7.32	7.83	0.84
	19950803	3 Aug	6 Sep	922.1	1000	0.70	819	-11.18	-4.88	-0.79	0.88	1220	32.31	-5.49	-0.78	0.78
	19960628	28 Jun	25 Jul	5298	3170	0.36	5200	-1.85	-4.20	0.54	0.67	5750	8.53	-5.34	0.74	0.53
	19960917	17 Sep	26 Sep	1239	1550	0.86	1520	22.68	7.32	11.04	0.82	1340	8.15	-43.90	12.45	0.79
	19970629	29 Jun	30 Jul	2171	1560	0.84	2470	13.77	9.82	7.26	0.83	2610	20.22	5.80	7.39	0.79
	19980630	30 Jun	13 Jul	4504	3050	0.78	3340	-25.84	0.00	-20.31	0.87	3010	-33.17	1.64	-20.24	0.87
	19980725	25 Jul	2 Sep	3698	3310	0.77	4030	8.98	-1.28	-13.54	0.83	3960	7.08	-1.74	-13.49	0.83
	20020622	22 Jun	11 Jul	5715	4560	0.81	6600	15.49	-14.29	14.76	0.90	6390	11.81	-22.45	14.78	0.86
	20020722	22 Jul	4 Aug	4290	2950	0.73	3150	-26.57	46.94	-30.09	0.83	3190	-25.64	42.86	-30.06	0.81
	20030622	22 Jun	29 Jul	8740	5030	0.66	7260	-16.93	0.75	-19.43	0.84	7140	-18.31	-2.99	-19.44	0.80
	20040717	17 Jul	29 Jul	2229	2020	0.44	1850	-17.00	-14.29	5.71	0.93	1810	-18.80	-18.37	5.88	0.87
	20040804	4 Aug	13 Aug	2641	1900	0.64	2870	8.67	-12.24	9.79	0.95	2800	6.02	-16.33	11.45	0.91
Validation	20050707	7 Jul	12 Aug	7331	4070	0.65	8280	12.95	-17.11	-2.87	0.82	8350	13.90	-25.00	-3.08	0.63
	20050822	22 Aug	10 Sep	5650	3200	0.50	4320	-23.54	1.65	-18.78	0.71	4380	-22.48	-7.44	-18.48	0.68
	20060722	22 Jul	16 Aug	1770	1160	0.81	1580	-10.73	1.82	-26.86	0.92	1460	-17.51	-8.18	-26.87	0.93
	20070701	1 Jul	1 Aug	7926	5580	0.77	7980	0.68	-6.50	-16.70	0.83	7910	-0.20	-9.76	-16.69	0.77
	20080722	22 Jul	9 Aug	4264	3020	0.72	4460	4.60	-4.08	-7.25	0.89	4120	-3.38	-6.12	-7.25	0.86
	20080814	14 Aug	27 Aug	4219	2580	0.69	3440	-18.46	-12.90	-5.11	0.82	3670	-13.01	-20.97	-5.04	0.78
	20090826	26 Aug	13 Sep	2221	1710	0.75	2710	22.02	-4.17	7.64	0.89	2310	24.01	-15.28	7.61	0.88
	20100712	12 Jul	5 Aug	4314	3180	0.91	4370	1.30	-2.63	-14.68	0.92	4610	6.86	-6.14	-14.65	0.92
Qualified (%)							75 95.8 91.6					70.8 79.1 91.6				