

Table 6 (new). Uncertainty analyses for variations sub-catchment width and Manning's n (impervious surface and natural channels) for WS4. In each test run, only one parameter was changed and others were held constant.

	Current condition value	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6
Parameters and Statistics							
Number of sub-catchments	52						
Average width of sub-catchments (m)	101	90.9	111.1				
Manning's n (pervious surfaces)	0.4			0.2	0.5		
Manning's n (channels: natural)	0.05					0.04	0.055
Model performance statistics							
R^2	0.92	0.92	0.92	0.92	0.92	0.92	0.90
NSE	0.91	0.91	0.91	0.91	0.91	0.91	0.86
Unit-area peak discharge ($\times 10^{-6} \text{ m s}^{-1}$)	1.01	1.01	1.02	1.01	1.01	1.00	0.99
Change in unit-area peak discharge (%)	-0.15	0.25	0	0	-1.22	-2.63	