Appendix 2: River discharge

Table A2.1: Mean water level (± standard deviation) at Pauh hydrological station and results of Mann-Kendall test (Mann-Kendall τ and *p*-value).

Year	Month												Wet season (Oct.-May)	Dry season (Jun.-Sept.)	Annual
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.			
Average (1997-2016)	7.07 (±2.05)	6.90 (±2.24)	6.80 (±2.46)	7.25 (±2.17)	6.47 (±1.94)	4.92 (±1.50)	4.74 (±1.58)	4.48 (±1.29)	4.43 (±1.32)	5.08 (±1.43)	7.05 (±1.73)	8.13 (±2.67)	6.88 (±1.47)	4.98 (±1.22)	6.07 (±1.29)
Mann-Kendall τ	0.13 (*p*<0.001)	0.23 (*p*<0.001)	0.22 (*p*<0.001)	0.33 (*p*<0.001)	0.28 (*p*<0.001)	0.25 (*p*<0.001)	0.21 (*p*<0.001)	0.05 (*p* =0.07)	0.05 (*p* =0.07)	-0.14 (*p*<0.001)	0.26 (*p*<0.001)	0.25 (*p*<0.001)	0.29 (*p*<0.001)	0.14 (*p*<0.05)	0.18 (*p*<0.001)

Table A2.2: Sum of days with water level >11 m at Pauh hydrological station and results of Mann-Kendall test (Mann-Kendall τ and *p*-value).

Year	Month												Wet season (Oct.-May)	Dry season (Jun.-Sept.)	Annual
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.			
Average (1997-2016)	1.8 (±1.6)	2.5 (±3.1)	2 (±2.7)	2.2 (±2.4)	1.8 (±1.0)	0	0	0	0	0.1	1.4 (±0.7)	3.6 (±4.3)	15.4 (±1.0)	0	15.4 (±1.0)
Mann-Kendall τ	0.49 (*p*=0.01)	0.28 (*p*=0.15)	0.24 (*p*=0.21)	0.23 (*p* <0.24)	0.23 (*p* <0.23)	-	-	-	-	0.32 (*p*=0.12)	0.59 (*p*<0.01)	0.25 (*p*=0.17)	0.45 (*p*<0.01)	0.32 (*p*=0.12)	0.45 (*p*<0.01)

Table A2.3: Average water level rise (m) (± standard deviation), based on the difference between average water levels of two consecutive days at Pauh hydrological station and results of Mann-Kendall test (Mann-Kendall τ and *p*-value).

Year	Month												Wet season (Oct.-May)	Dry season (Jun.-Sept.)	Annual
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.			
Average (1997-2016)	0.43 (±0.15)	0.50 (±0.22)	0.46 (±0.16)	0.43 (±0.24)	0.51 (±0.32)	0.43 (±0.21)	0.37 (±0.14)	0.40 (±0.30)	0.41 (±0.30)	0.42 (±0.26)	0.47 (±0.16)	0.53 (±0.22)	0.46 (±0.10)	0.42 (±0.13)	0.45 (±0.10)
Mann-Kendall τ	0.22 (*p*=0.21)	0.56 (*p*<0.01)	0.35 (*p*=0.05)	0.22 (*p*=0.21)	0.29 (*p*=0.09)	0.14 (*p*=0.44)	0.12 (*p*=0.54)	0.06 (*p*=0.77)	0.15 (*p*=0.40)	-0.03 (*p*=0.88)	0.18 (*p*=0.34)	0.12 (*p*=0.54)	0.16 (*p*<0.01)	0.14 (*p*<0.01)	0.16 (*p*<0.01)