

Supplementary Material

S1: Histograms of daily rainfall totals for a) Manjimup, b) Pemberton and c) Wilgarrup

S2: Annual rainfall trends

S2a – Total monthly rainfall trends by month for Manjimup

S2b – Total monthly rainfall trends by month for Pemberton

S2c – Mann-Kendall trend test results for monthly rainfall data for Manjimup and Pemberton

S3: Monthly temperature trends

S3a – Average daily maximum temperature trends by month for Manjimup

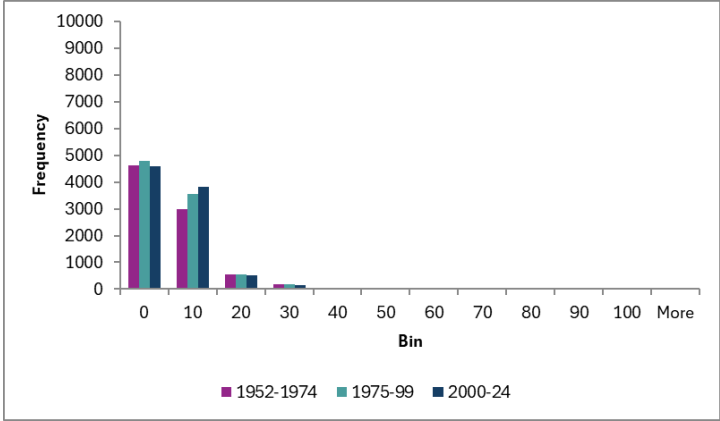
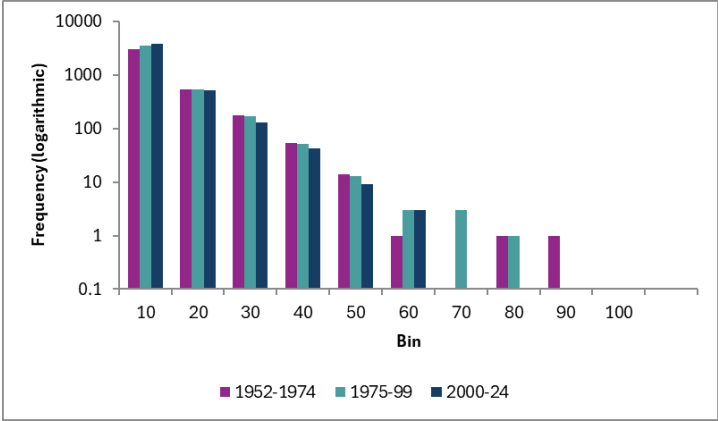
S3b – Average daily maximum temperature trends by month for Pemberton

S3c – Mann-Kendall trend test results for average daily maximum temperature data by month for Manjimup and Pemberton

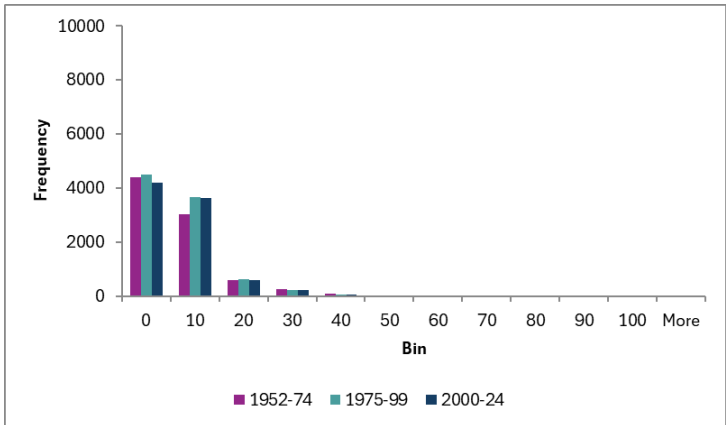
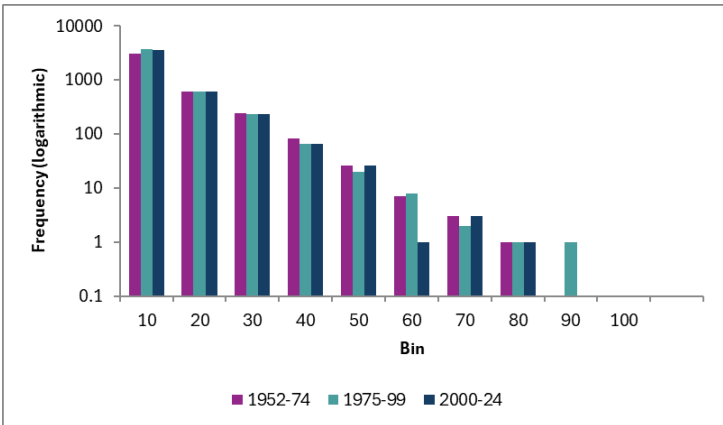
S4: Monthly discharge trends for Strickland gauge (Donnelly River)

S1: Histograms of daily rainfall totals for a) Manjimup, b) Pemberton and c) Wilgarrup.

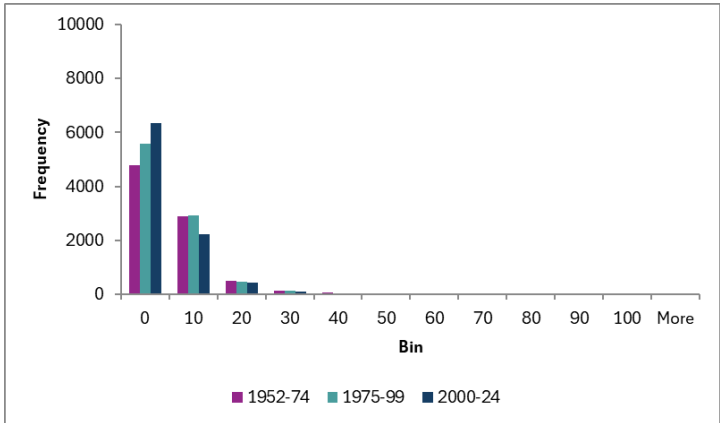
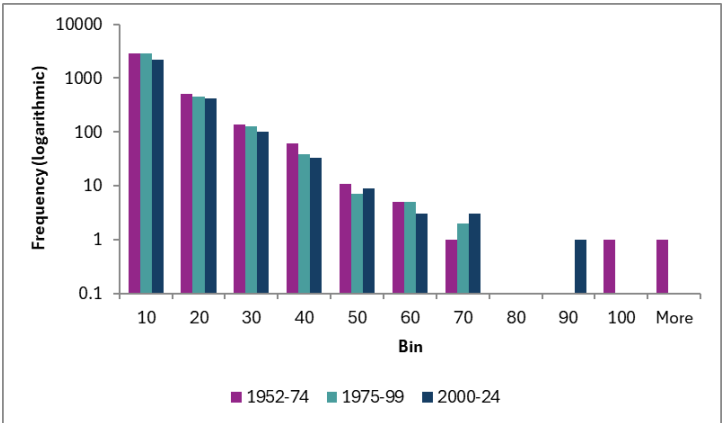
a) Manjimup



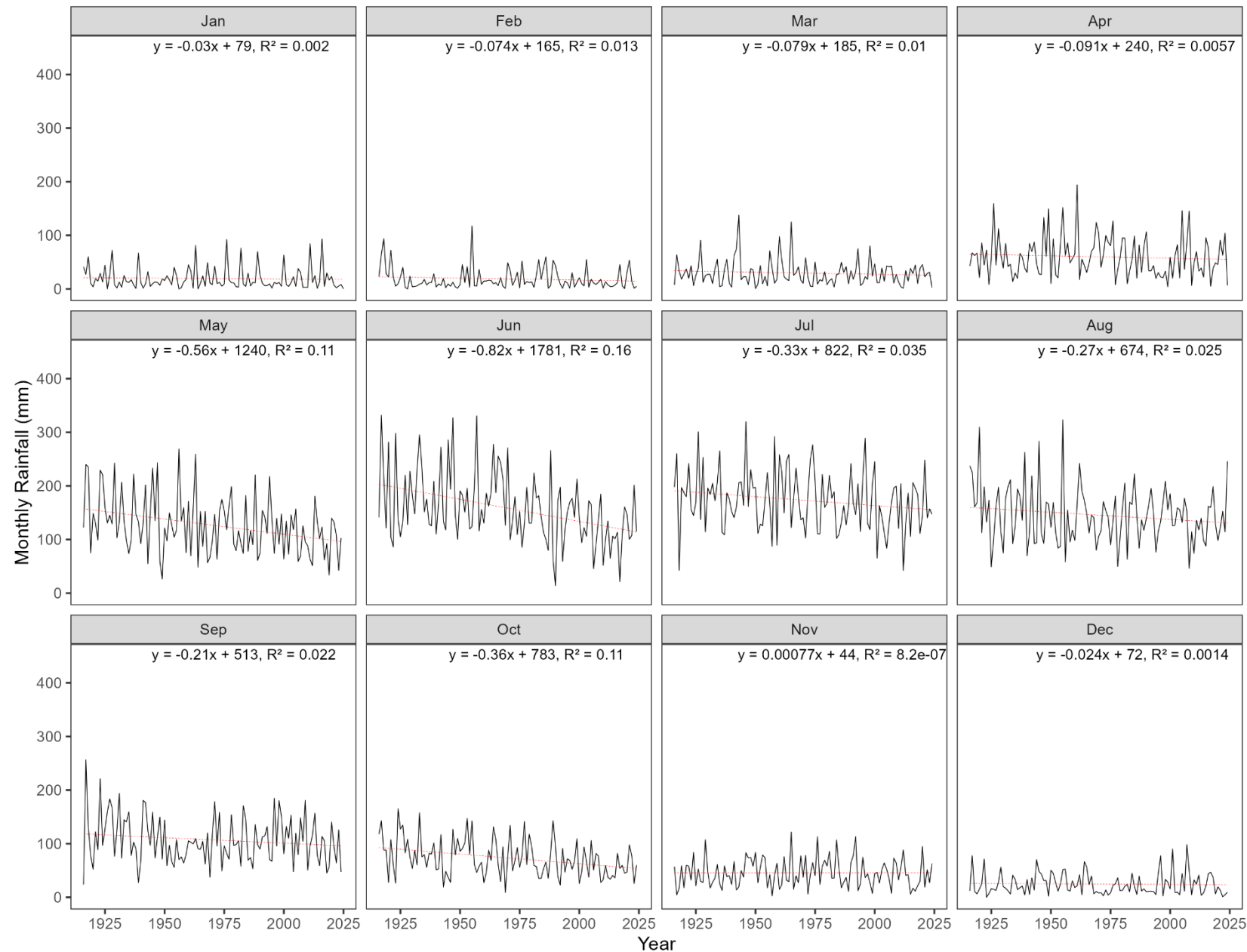
b) Pemberton



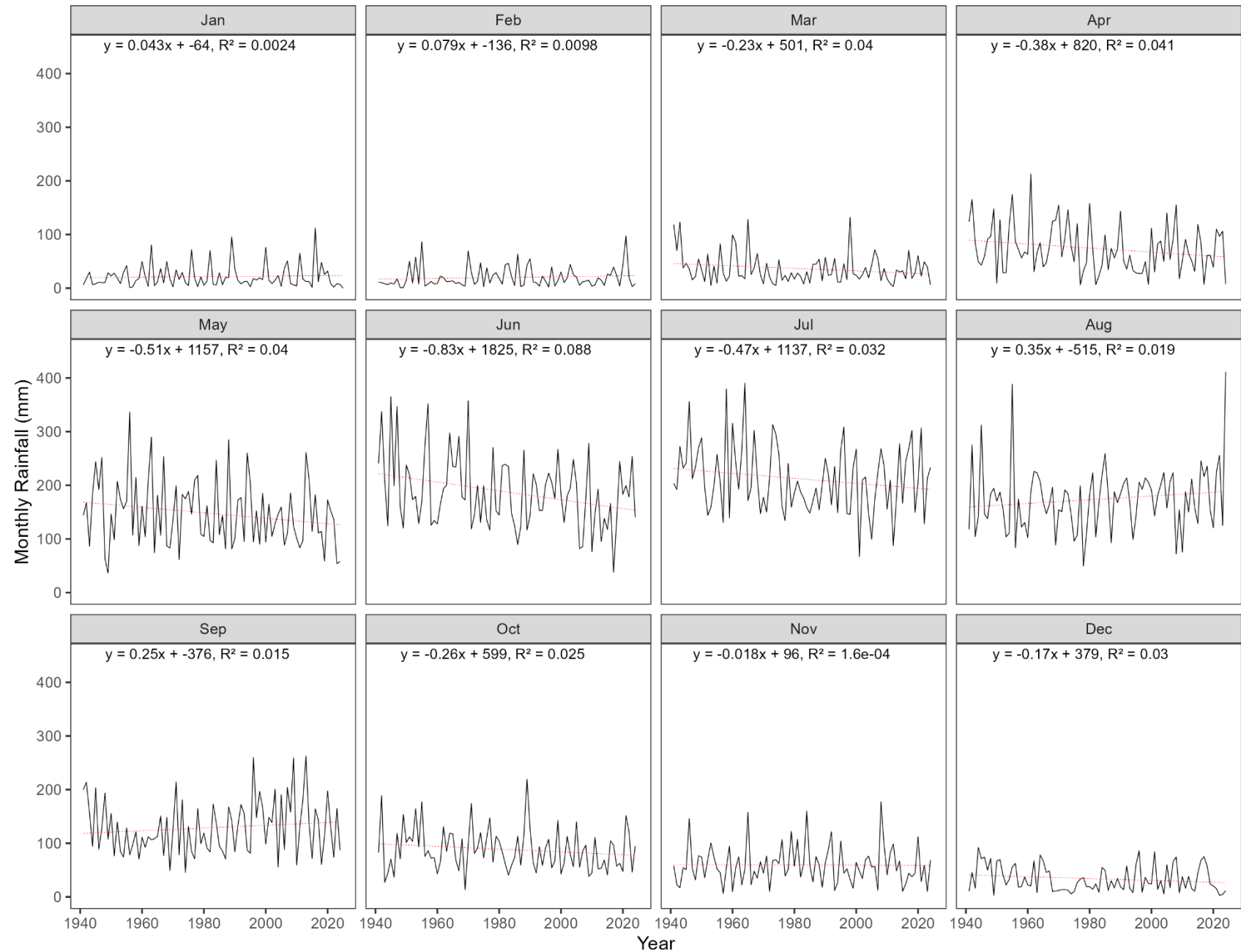
c) Wilgarrup



S2a: Total monthly rainfall trends by month for Manjimup



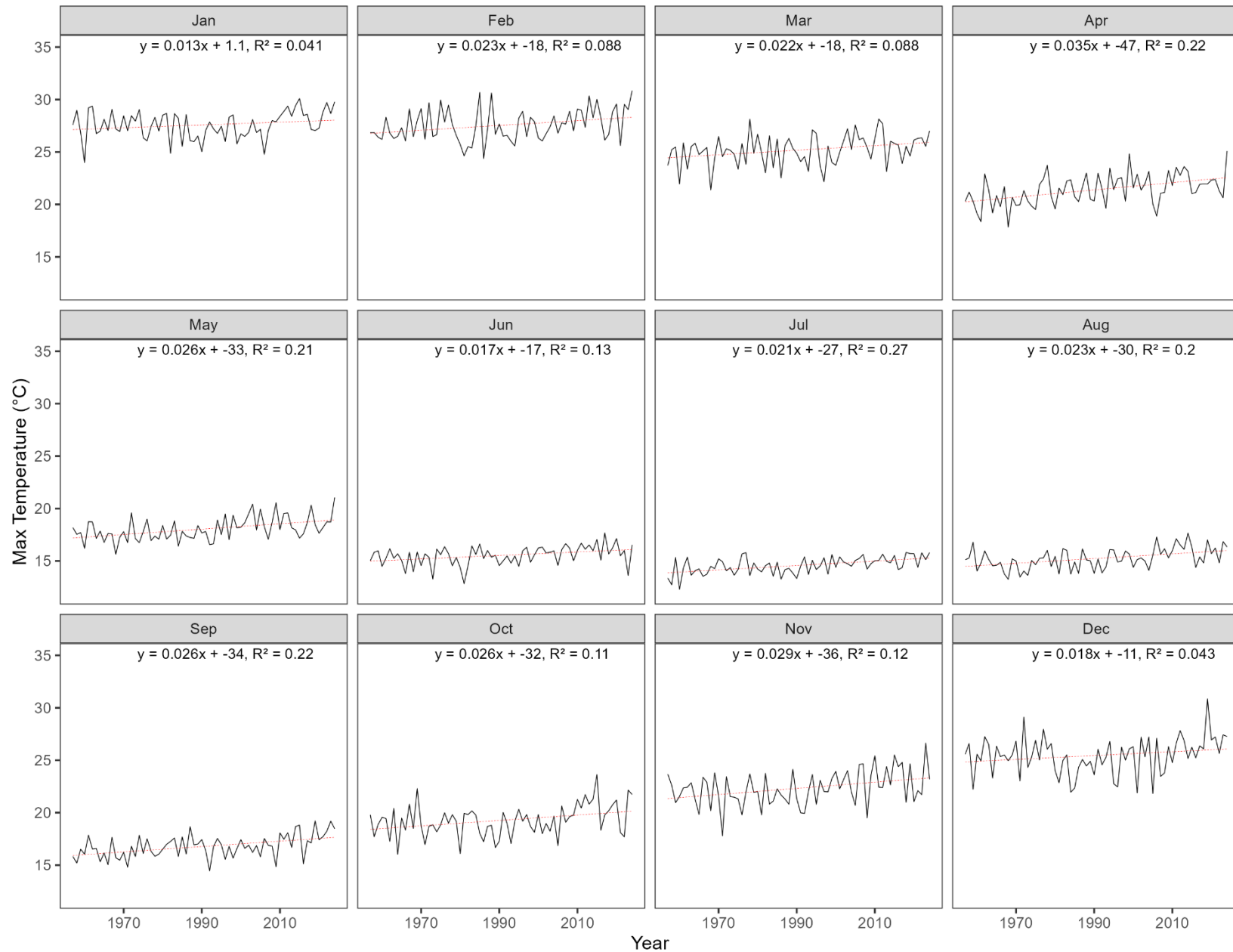
S2b: Total monthly rainfall trends by month for Pemberton



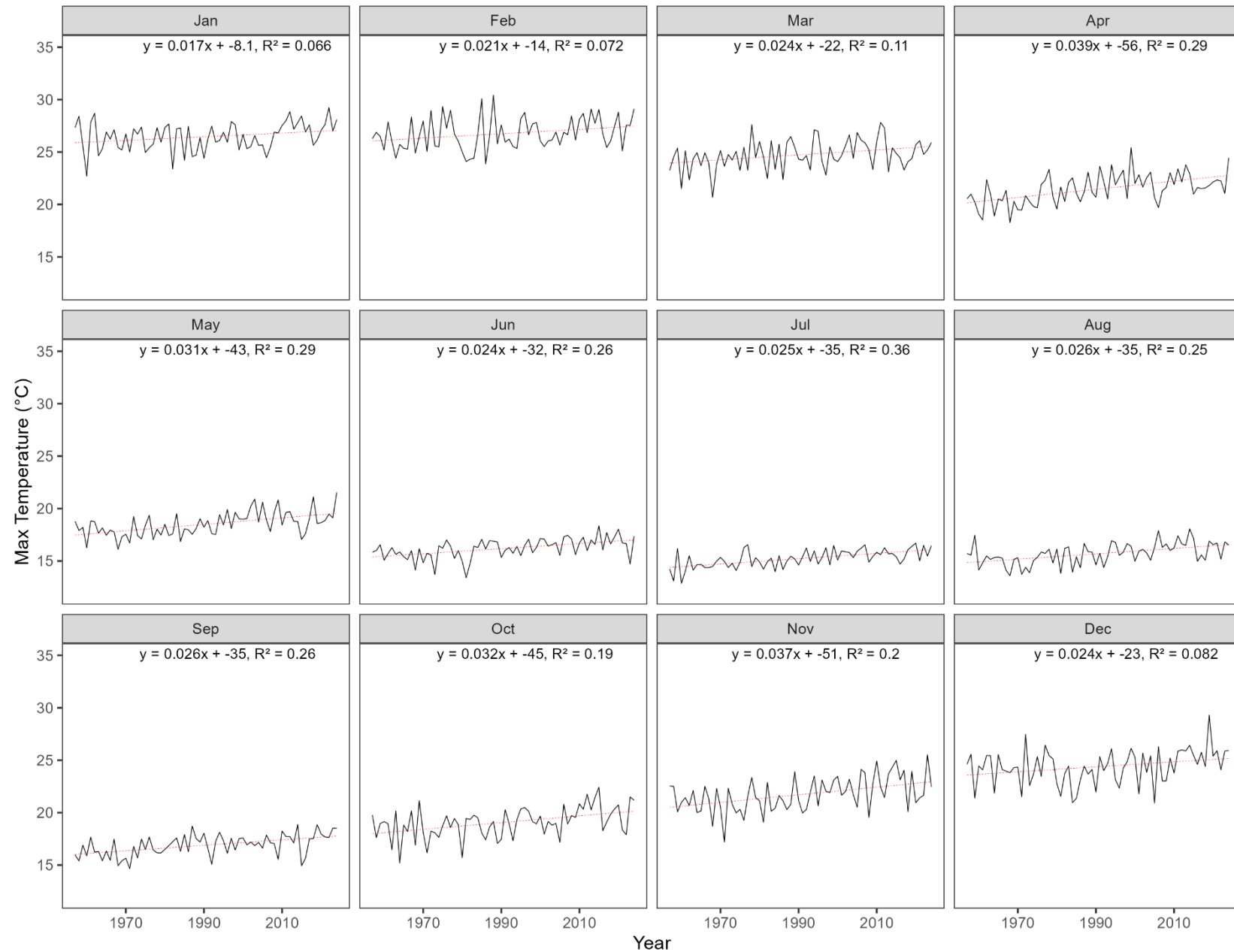
S2c: Mann-Kendall trend test results for monthly rainfall data for Manjimup and Pemberton

	Manjimup			Pemberton		
	Slope	p-Value	Sen's Slope	Slope	p-Value	Sen's Slope
January	-0.030	3.7E-07	-0.049	0.043	0.291	-0.027
February	-0.074	0.061	-0.029	0.079	1.9E-04	0.060
March	-0.079	0.339	-0.025	-0.234	0.135	-0.099
April	-0.091	0.054	-0.090	-0.376	6.3E-05	-0.332
May	-0.565	2.0E-35	-0.495	-0.509	5.9E-12	-0.459
June	-0.824	1.7E-12	-0.681	-0.826	2.1E-07	-0.654
July	-0.329	1.5E-16	-0.339	-0.467	0.013	-0.379
August	-0.268	3.1E-04	-0.218	0.347	8.3E-05	0.483
September	-0.206	0.013	-0.163	0.255	0.095	0.226
October	-0.360	3.4E-45	-0.354	-0.258	6.4E-11	-0.286
November	0.001	0.958	-0.001	-0.018	0.561	-0.026
December	-0.024	0.009	-0.042	-0.174	0.006	-0.146

S3a: Average daily maximum temperature trends by month for Manjimup



S3b: Average daily maximum temperature trends by month for Pemberton



S3c: Mann-Kendall trend test results for average daily maximum temperature data by month for Manjimup and Pemberton

	Manjimup			Pemberton		
	Slope	p-Value	Sen's Slope	Slope	p-Value	Sen's Slope
January	0.013	0.025	0.013	0.017	1.8E-04	0.017
February	0.023	6.5E-07	0.025	0.021	6.7E-18	0.022
March	0.022	6.9E-17	0.020	0.024	1.2E-11	0.021
April	0.035	3.3E-32	0.034	0.039	4.3E-15	0.039
May	0.026	3.3E-15	0.024	0.031	5.2E-21	0.030
June	0.017	3.4E-17	0.017	0.024	1.6E-32	0.024
July	0.021	4.5E-27	0.022	0.025	4.1E-49	0.027
August	0.023	2.1E-13	0.023	0.026	8.3E-25	0.026
September	0.026	3.7E-13	0.028	0.026	5.7E-22	0.029
October	0.026	6.2E-06	0.027	0.032	3.7E-21	0.032
November	0.029	6.9E-08	0.028	0.037	2.4E-15	0.035
December	0.018	0.014	0.017	0.024	1.8E-04	0.022

S4: Monthly discharge trends for Strickland gauge

