



Rainfall characteristics and stormwater quality data

Table A.1 Rainfall characteristics of the selected events

Rainfall Events Date	Rainfall Characteristics				Rainfall Types
	Rainfall Depth (mm)	Rainfall Duration (h)	Average Rainfall Intensity (mm/h)	Antecedent Dry Days	
08/05/13	53	1.08	49.07	2.41	Type-I
09/05/13	35	1.43	24.48	0.71	
12/05/13	46	0.85	54.12	0.69	
25/06/13	21	0.53	39.62	0.66	
06/07/13	35.5	1	35.5	2.66	
29/06/13	82.5	3.43	24.05	0.57	Type-II
03/07/13	76	2.9	26.21	0.83	

05/05/13	24	1.28	18.75	2.71	
10/05/13	23	1.6	14.38	0.48	
22/05/13	29.5	2.18	13.98	9.42	
27/05/13	41	4.1	10	2.7	
28/05/13	53	4	13.25	0.79	
04/06/13	30	3	10	1.99	
06/06/13	11	1	11	1.03	
21/06/13	21	1.15	18.26	13.41	Type-III
23/06/13	20.5	3.1	6.61	0.25	
01/07/13	8	0.6	15.09	1.18	
02/07/13	17	2	8.5	1.12	
21/07/13	16.5	1	16.5	0.41	
07/08/13	34.5	3	11.5	0.19	

Table A.2 Rainfall characteristics and stormwater pollutants concentration of different rainfall events

Sample code	Rainfall characteristics				Pollutant concentration					Rainfall types
	Rainfall depth (mm)	Rainfall duration (h)	Average rainfall intensity (mm/h)	Antecedent dry days	PO ₄ ³⁻ (ppm)	NO ₃ ⁻ (ppm)	K ⁺ (ppm)	OG (ppm)	TSS (ppm)	
S-080513	53	1.08	49.07	2.41	1.39	11.23	15.84	14.6	4236	Type-1
S-090513	35	1.43	24.48	0.71	0.41	29.97	6.01	5.6	2146	
S-120513	46	0.85	54.12	0.69	1.63	15.29	17.76	9.6	2318	
S-250613	21	0.53	39.62	0.66	0.75	23.98	7.81	4.4	2012	
S-060713	35.5	1	35.5	2.66	0.97	18.56	2.36	3.6	2562	
S-290613	82.5	3.43	24.05	0.57	4.76	11.31	5.96	5.6	1304	Type-2
S-030713	76	2.9	26.21	0.83	3.02	8.71	1.87	9.6	1428	
S-050513	24	1.28	18.75	2.71	0.46	10.95	2.46	13.6	1926	Type-3
S-100513	23	1.6	14.38	0.48	0.53	9.56	8.48	3.6	1030	
S-220513	29.5	2.18	13.98	9.42	0.27	5.92	1.14	10.4	1202	
S-270513	41	4.1	10	2.7	0.52	4.46	3.7	8.4	464	
S-280513	53	4	13.25	0.79	0.84	3.91	4.94	2.8	982	
S-040613	30	3	10	1.99	0.43	6.51	1.82	2.4	256	
S-060613	11	1	11	1.03	0.27	7.46	0.98	3.2	324	
S-210613	21	1.15	18.26	13.41	0.53	15.78	10.3	6.8	1892	
S-230613	20.5	3.1	6.61	0.25	0.61	4.1	11.02	2.4	482	
S-010713	8	0.6	15.09	1.18	0.1	8.61	1.23	5.6	904	
S-020713	17	2	8.5	1.12	0.16	5.77	1.29	3.2	476	
S-210713	16.5	1	16.5	0.41	0.26	7.87	1.04	4.8	452	
S-070813	34.5	3	11.5	0.19	0.54	4.08	1.97	3.6	264	

Here, S = Sample, 6 digit numbers= Date of rainfall events from which the samples were collected

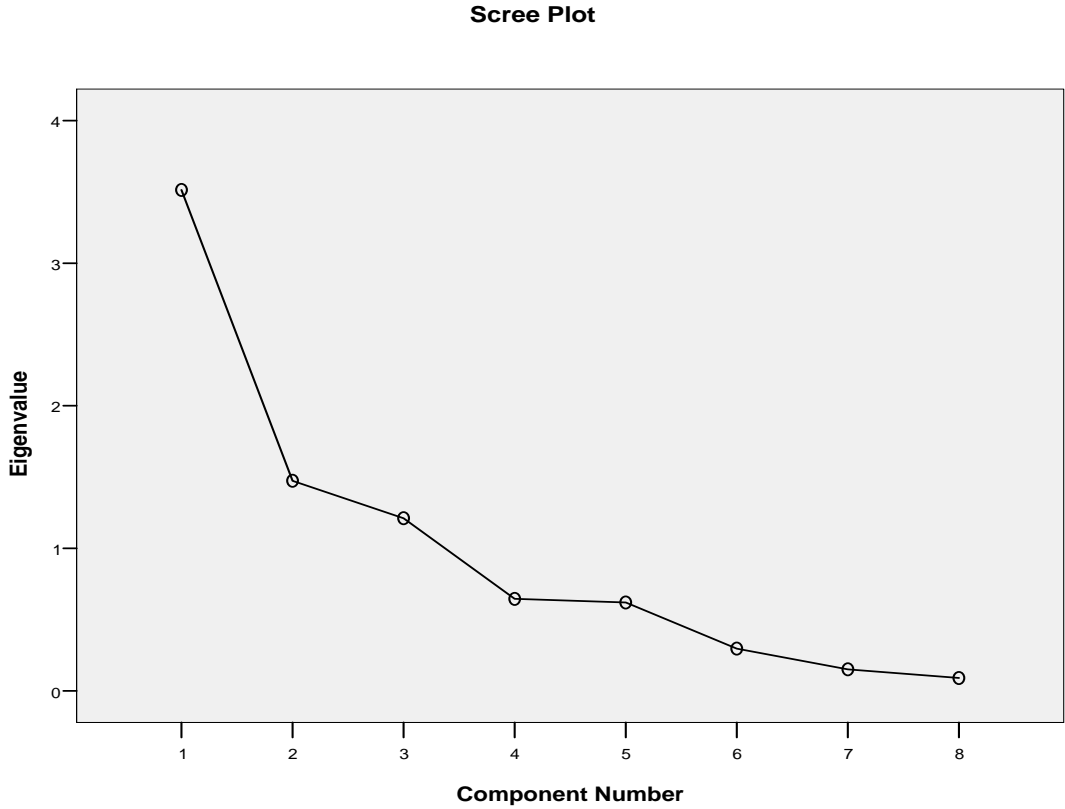


Fig. A.1 Scree plot