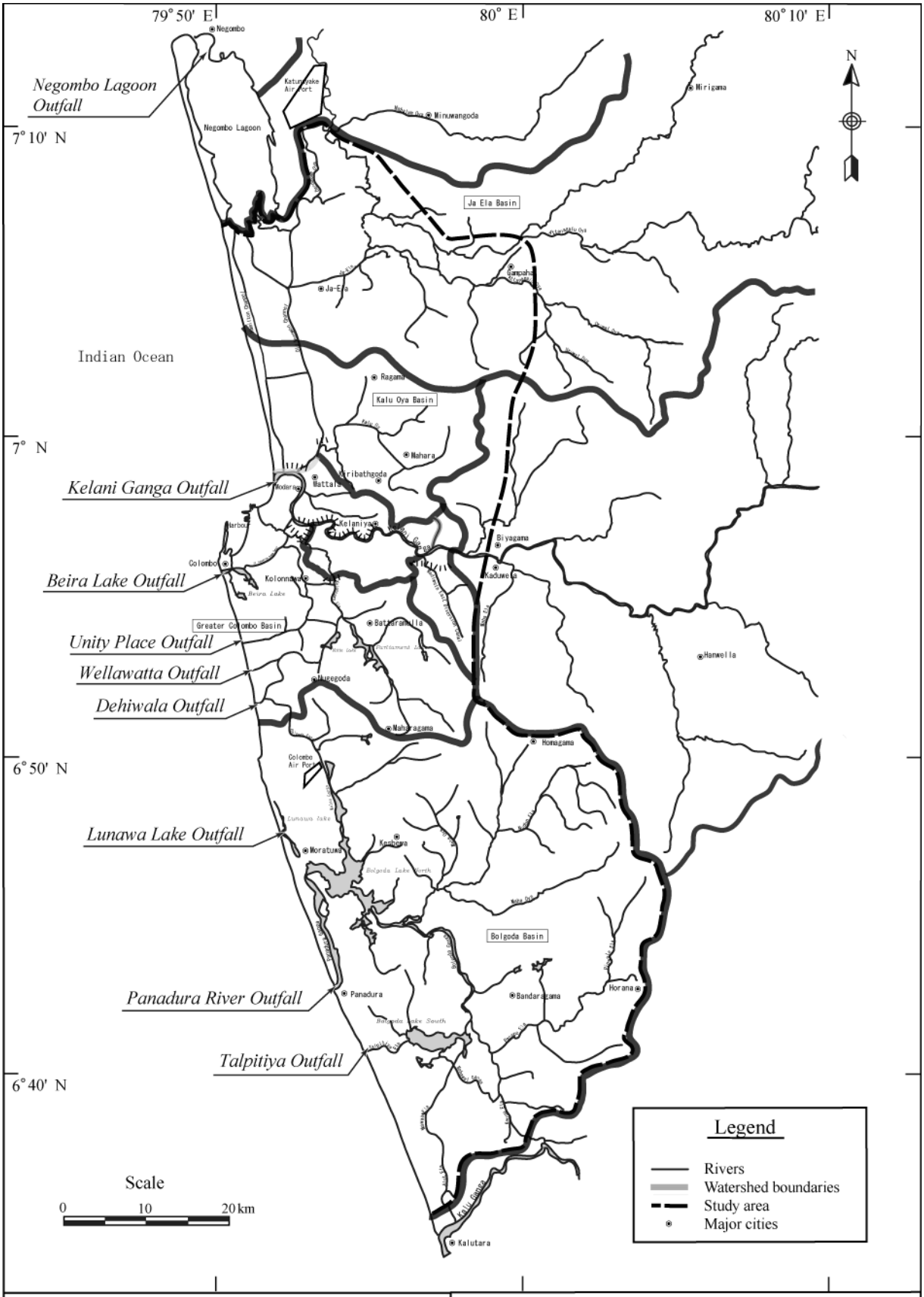

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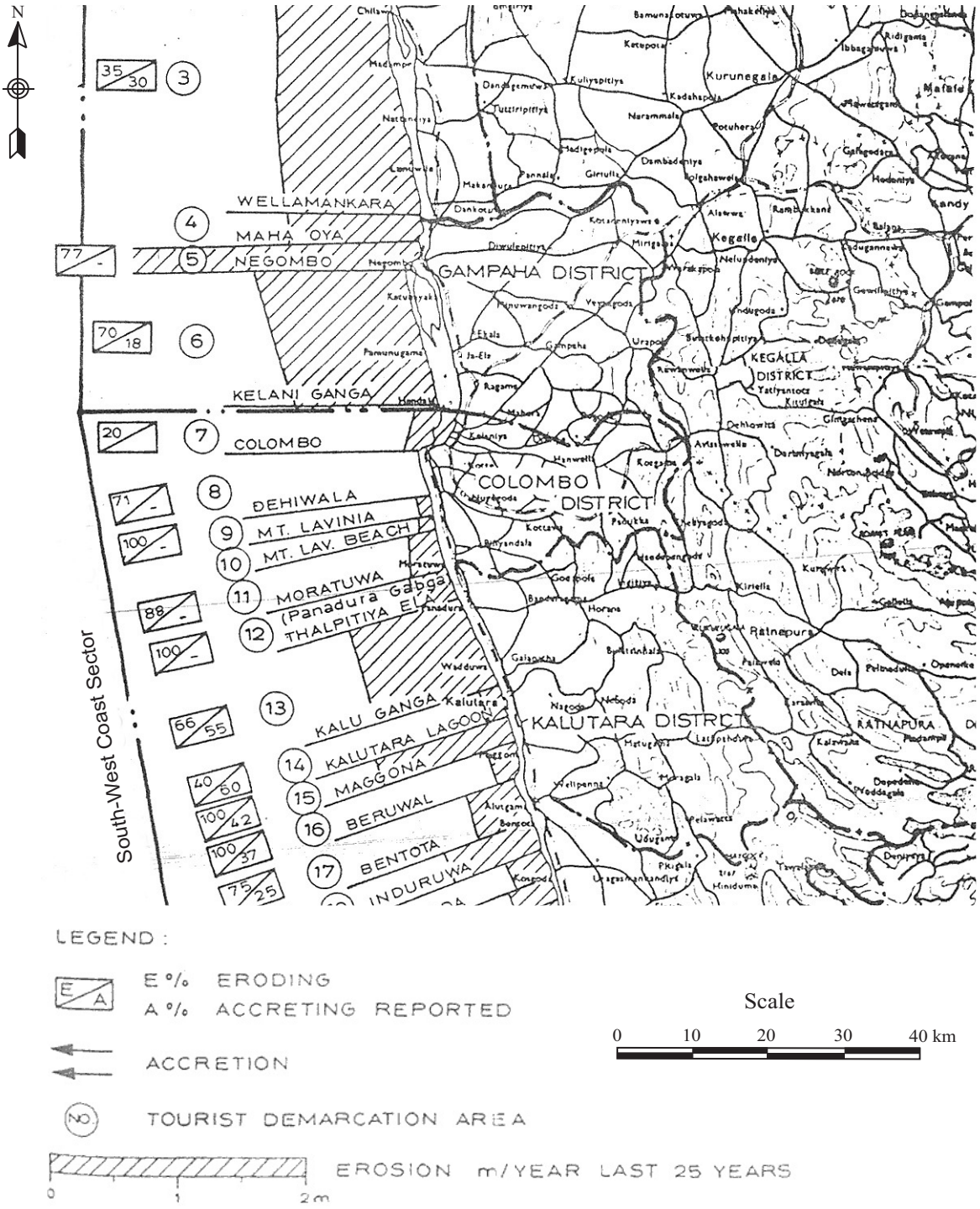
Figure 2.15
Locations of Outfalls



Source: Master-Plan - Coast Erosion Management - Volume 4 (South West Coast), Coast Conservation Department and Denida-Denish Hydraulic Institute, February 1986

The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	Figure 2.16 Erosion Tendency of Southwest Coast of Sri Lanka
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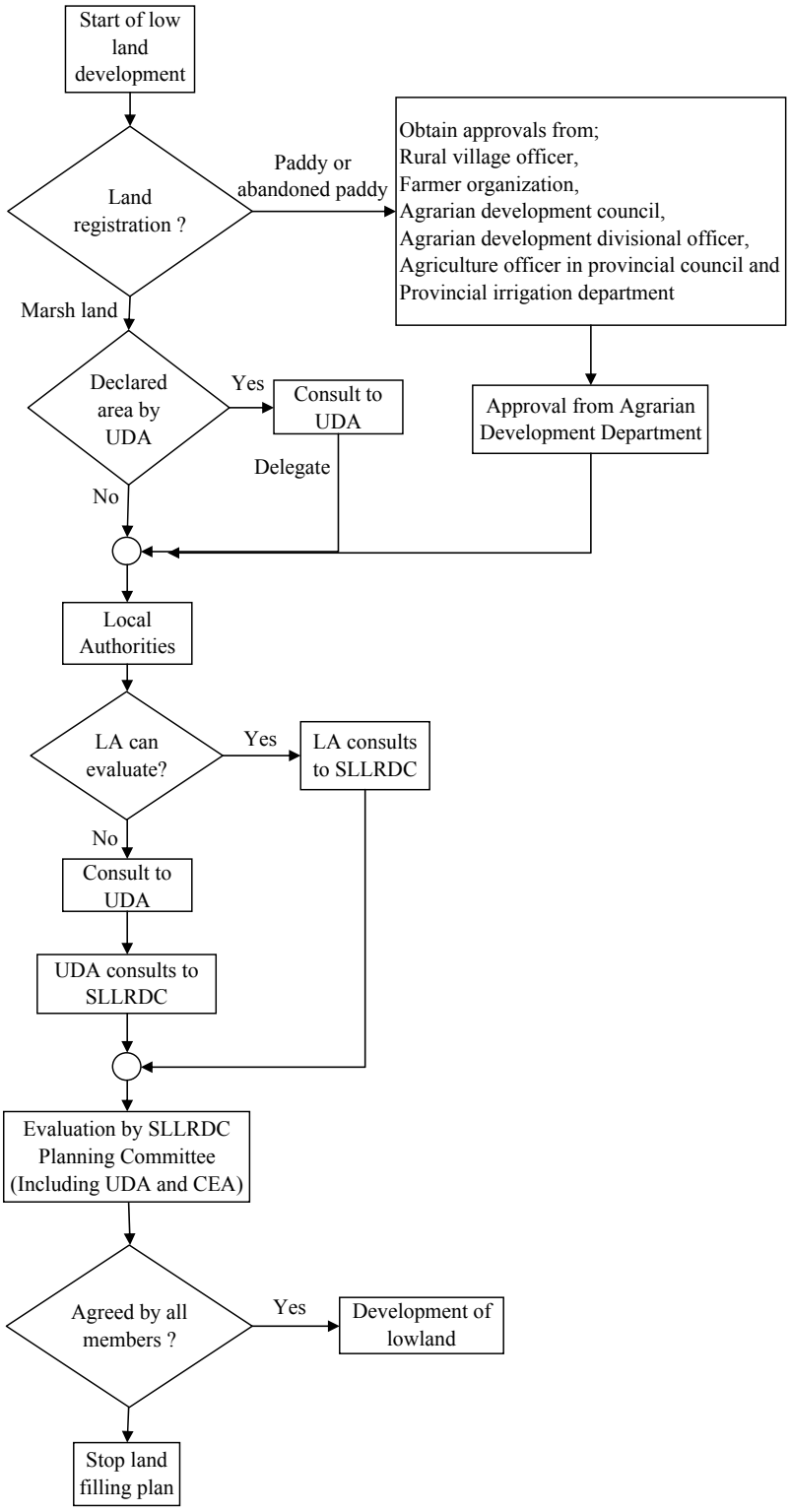

In some cases, approvals from RDA, District agricultural committee, BOI and utility relevant organizations are additionally required.

The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	Figure 2.17 Process of Lowland Development
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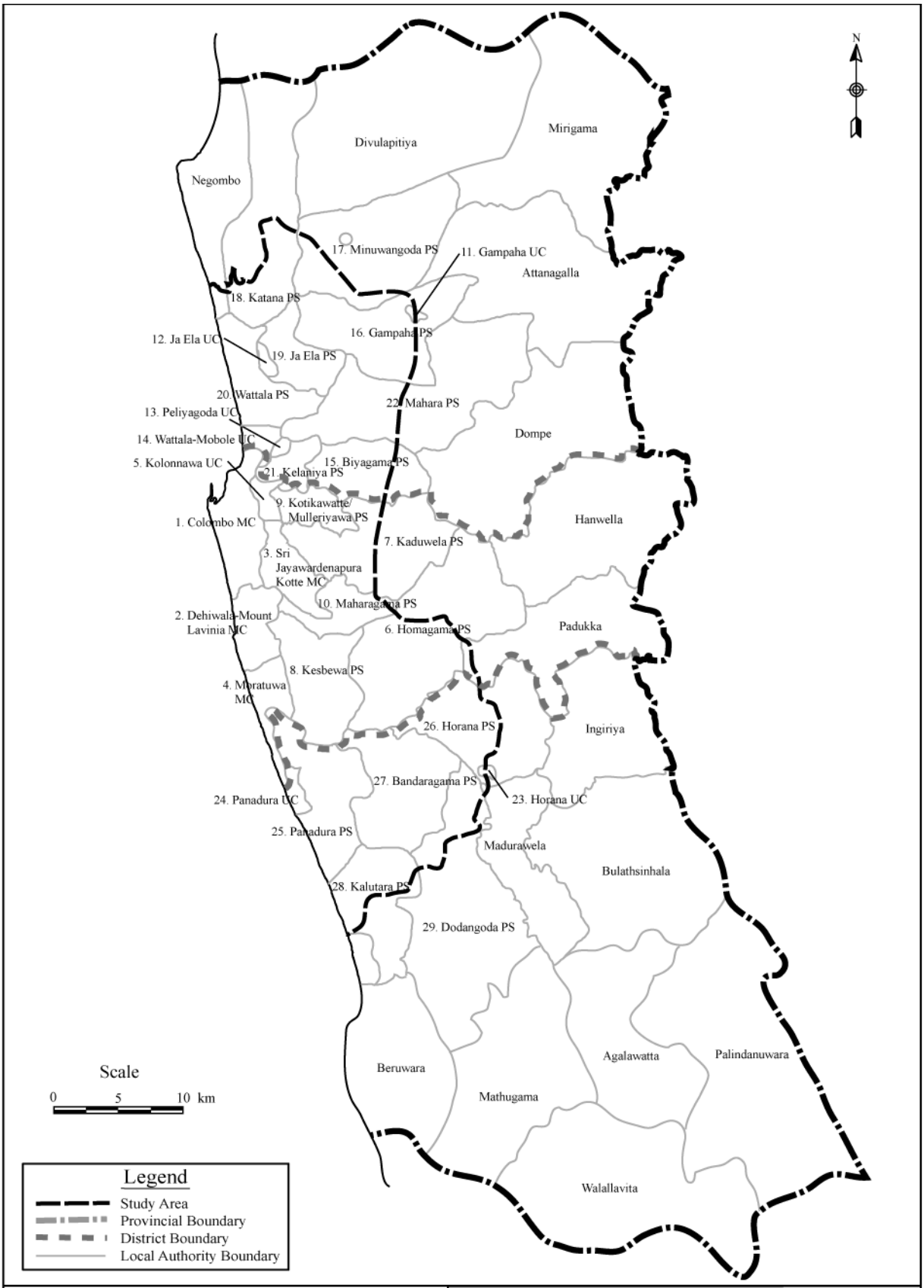

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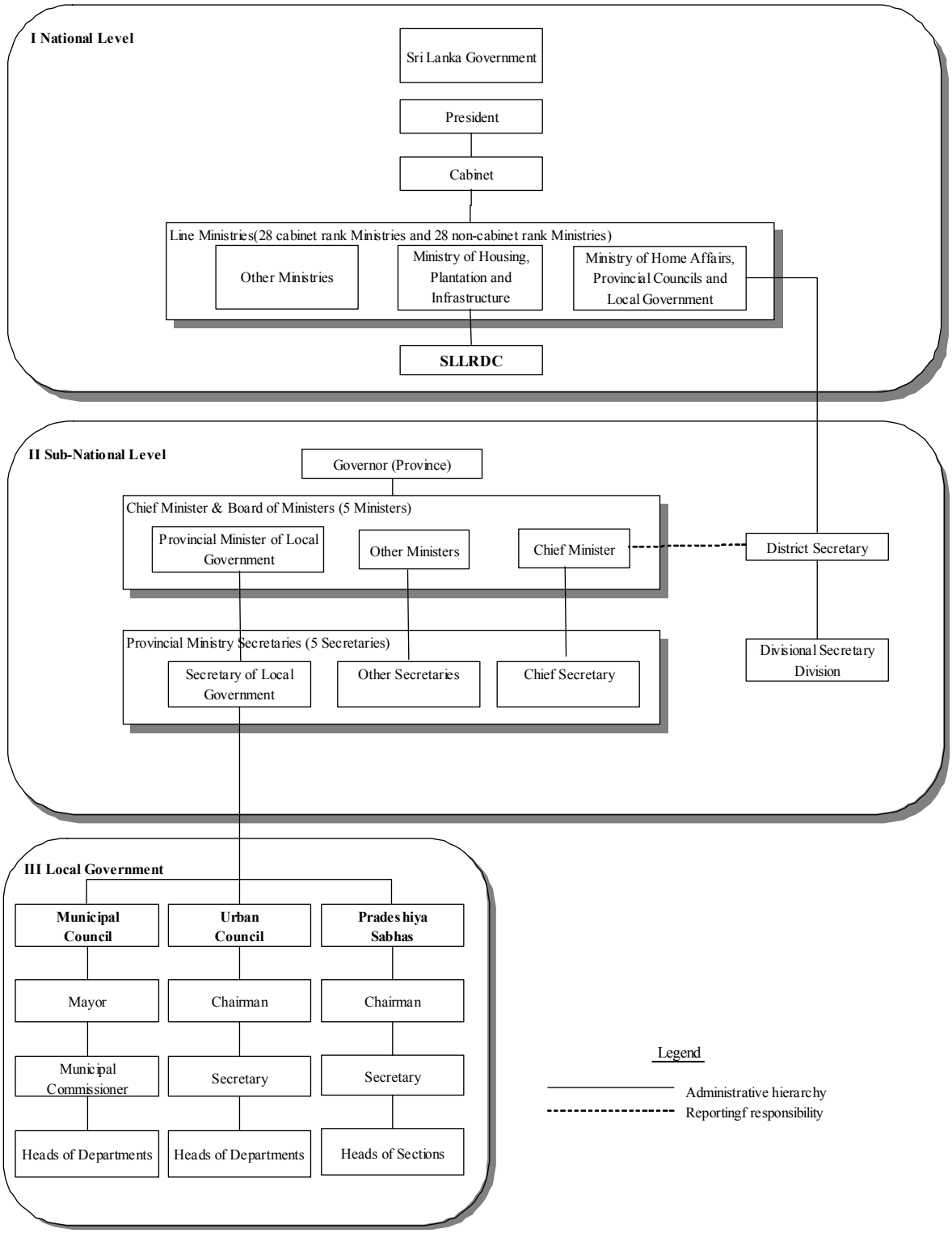
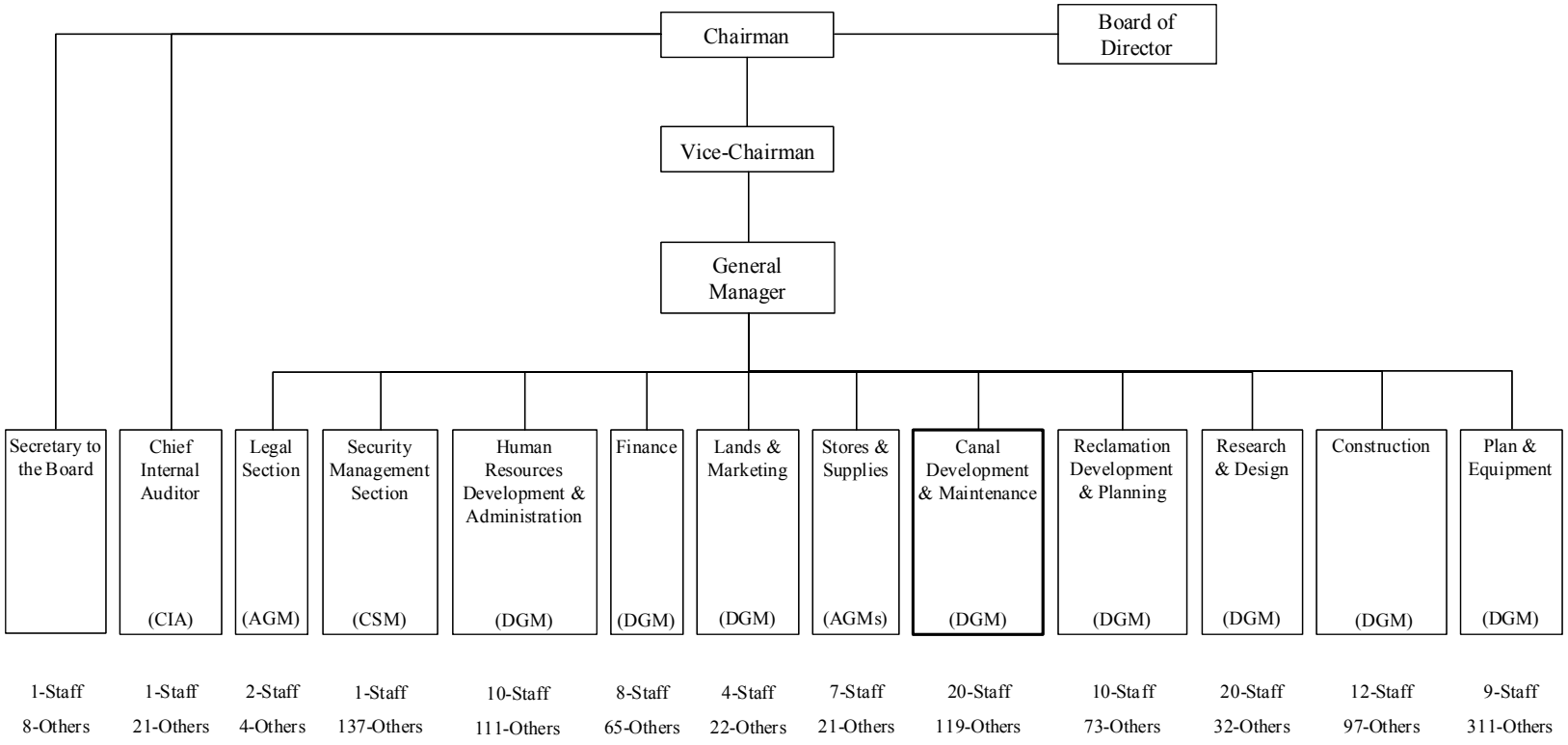
Figure 2.18
Local Authorities in the Study Area



The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	Figure 2.19 Administrative Structure in Sri Lanka
JAPAN INTERNATIONAL COOPERATION AGENCY	



Notes:

DGM: Deputy General Manager

AGM: Assistant General Manager

CIA: Chief Internal Auditor

CSM: Chief Security Manager

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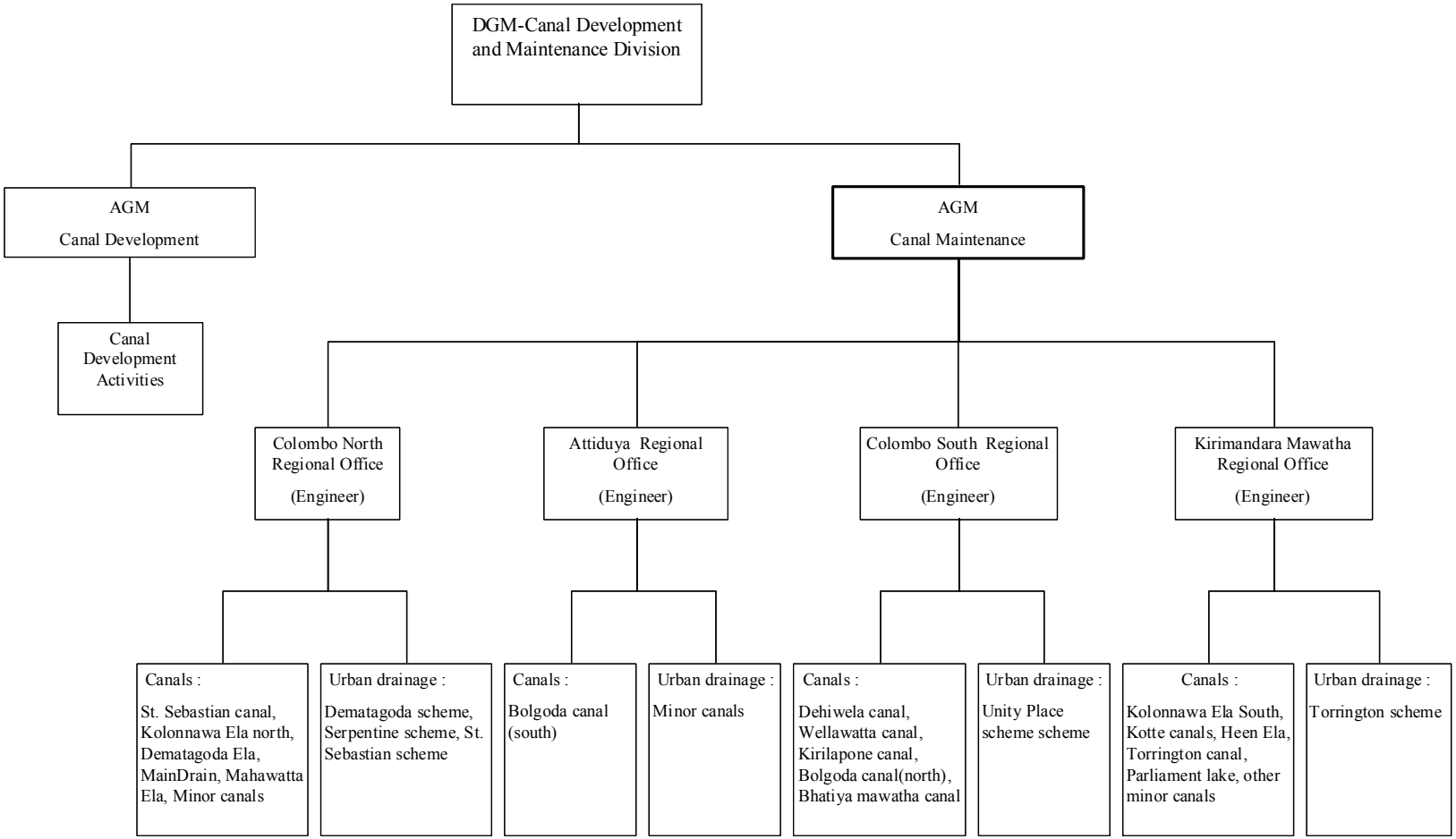
Figure 2.20
Organization Chart of SLLRDC



Notes:

DGM means Deputy General Manager

AGM means Assistant General Manager

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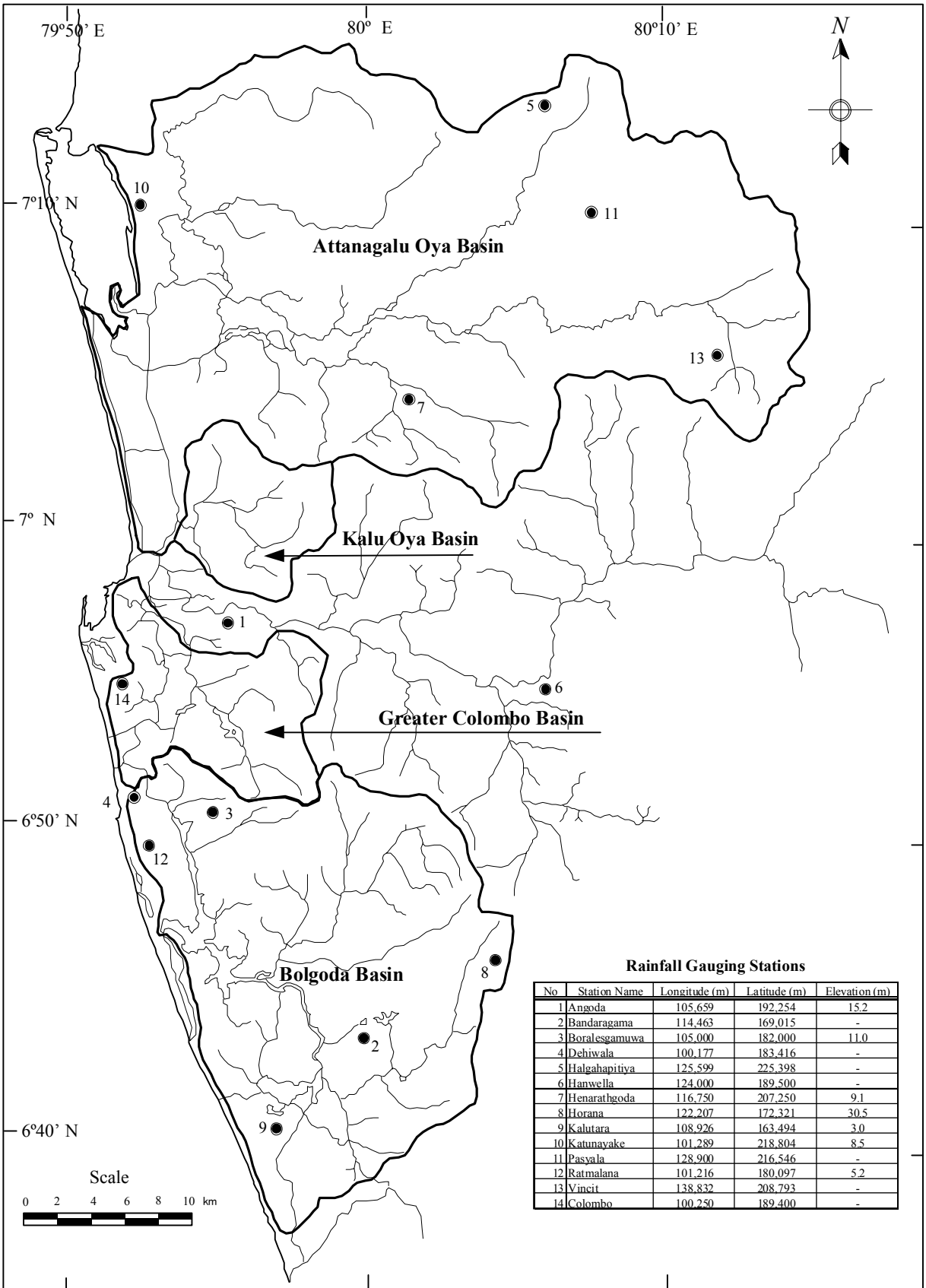
Figure 2.21
Organization Chart of Canal Development & Maintenance Division of SLLRDC



Rainfall Gauging Stations

No	Station Name	Longitude (m)	Latitude (m)	Elevation (m)
1	Angoda	105,659	192,254	15.2
2	Bandaragama	114,463	169,015	-
3	Boralesgamuwa	105,000	182,000	11.0
4	Dehiwala	100,177	183,416	-
5	Halgahapitiya	125,599	225,398	-
6	Hanwella	124,000	189,500	-
7	Henarathgoda	116,750	207,250	9.1
8	Horana	122,207	172,321	30.5
9	Kalutara	108,926	163,494	3.0
10	Katunayake	101,289	218,804	8.5
11	Pasyala	128,900	216,546	-
12	Ratmalana	101,216	180,097	5.2
13	Vincit	138,832	208,793	-
14	Colombo	100,250	189,400	-

The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka

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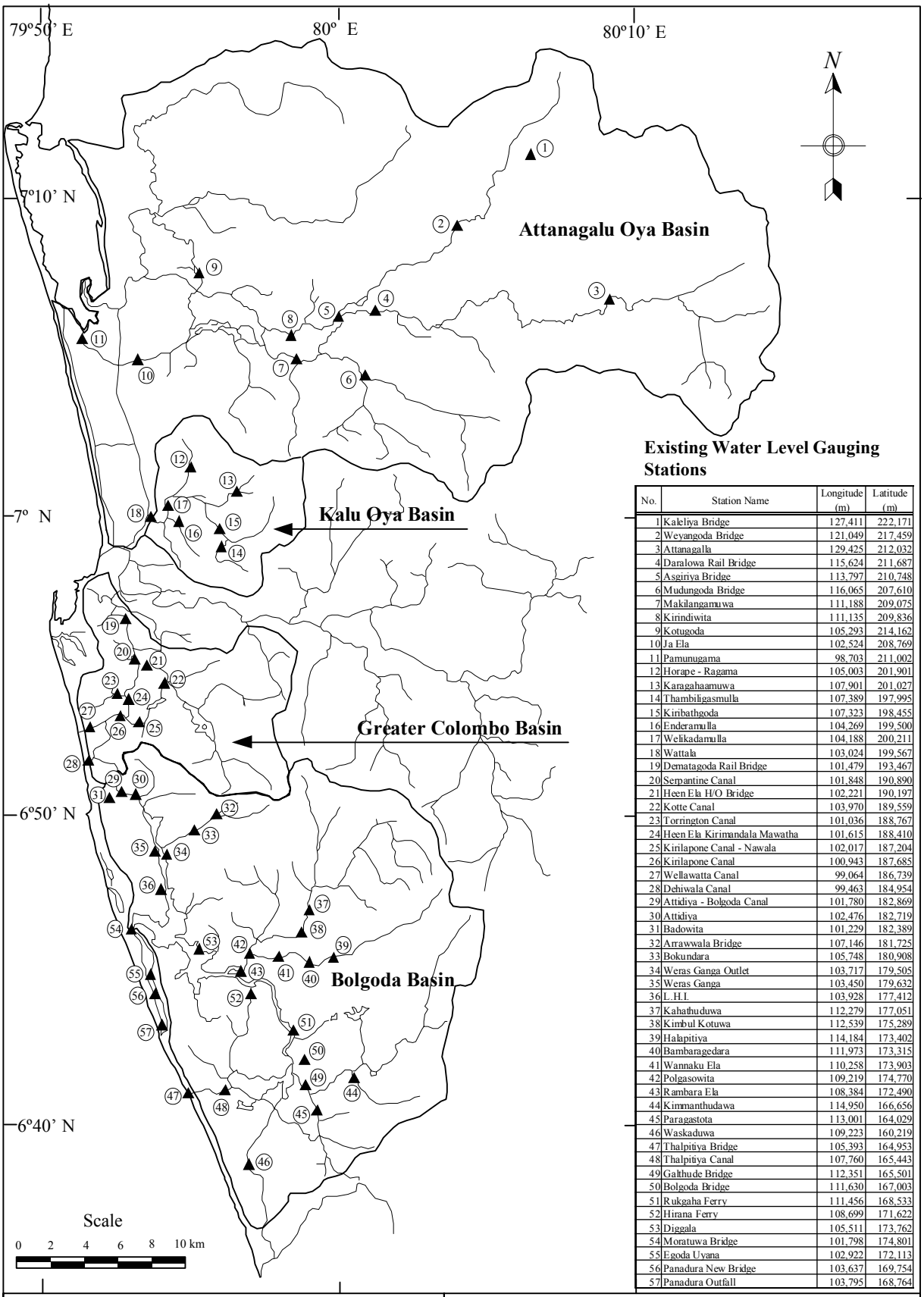
Figure 3.1
Location of Rainfall Gauging Stations in and around the Objective Drainage Basins



Existing Water Level Gauging Stations

No.	Station Name	Longitude (m)	Latitude (m)
1	Kaleliya Bridge	127,411	222,171
2	Weyangoda Bridge	121,049	217,459
3	Attanagalla	129,425	212,032
4	Daralowa Rail Bridge	115,624	211,687
5	Asgiriya Bridge	113,797	210,748
6	Mudungoda Bridge	116,065	207,610
7	Makilangamuwa	111,188	209,075
8	Kirindiwita	111,135	209,836
9	Kotugoda	105,293	214,162
10	Ja Ela	102,524	208,769
11	Pamunugama	98,703	211,002
12	Horape - Ragama	105,003	201,901
13	Karagahaamuwa	107,901	201,027
14	Thambiligasmulla	107,389	197,995
15	Kiribathgoda	107,323	198,455
16	Enderamulla	104,269	199,500
17	Welikadamulla	104,188	200,211
18	Wattala	103,024	199,567
19	Dematagoda Rail Bridge	101,479	193,467
20	Serpantine Canal	101,848	190,890
21	Heen Ela H/O Bridge	102,221	190,197
22	Kotte Canal	103,970	189,559
23	Torrington Canal	101,036	188,767
24	Heen Ela Kirimandala Mawatha	101,615	188,410
25	Kirilapone Canal - Nawala	102,017	187,204
26	Kirilapone Canal	100,943	187,685
27	Wellawatta Canal	99,064	186,739
28	Dehiwala Canal	99,463	184,954
29	Attidiya - Bolgoda Canal	101,780	182,869
30	Attidiya	102,476	182,719
31	Badowita	101,229	182,389
32	Arrawwala Bridge	107,146	181,725
33	Bokundara	105,748	180,908
34	Weras Ganga Outlet	103,717	179,505
35	Weras Ganga	103,450	179,632
36	L.H.I.	103,928	177,412
37	Kahathuduwa	112,279	177,051
38	Kimbul Kotuwa	112,539	175,289
39	Halapitiya	114,184	173,402
40	Bambaragedara	111,973	173,315
41	Wannaku Ela	110,258	173,903
42	Polgasowita	109,219	174,770
43	Rambara Ela	108,384	172,490
44	Kimmanthudawa	114,950	166,656
45	Paragastota	113,001	164,029
46	Waskaduwa	109,223	160,219
47	Thalpitiya Bridge	105,393	164,953
48	Thalpitiya Canal	107,760	165,443
49	Galthude Bridge	112,351	165,501
50	Bolgoda Bridge	111,630	167,003
51	Rukgaha Ferry	111,456	168,533
52	Hirana Ferry	108,699	171,622
53	Diggala	105,511	173,762
54	Moratuwa Bridge	101,798	174,801
55	Egoda Uyana	102,922	172,113
56	Panadura New Bridge	103,637	169,754
57	Panadura Outfall	103,795	168,764

The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka

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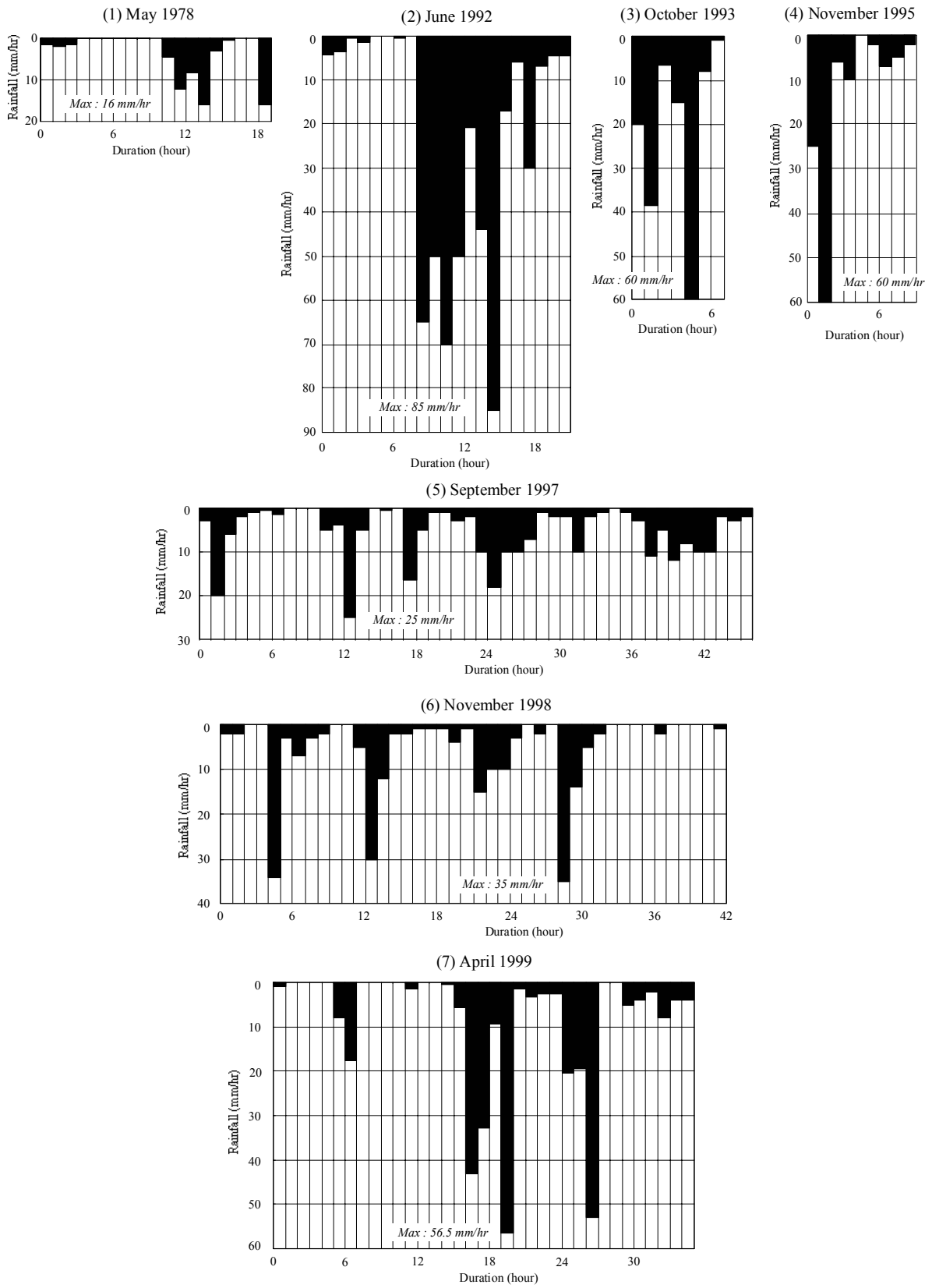
Figure 3.2
Location of Water Level Gauging Stations in and around the Objective Drainage Basins



The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	Figure 3.3 Storm Record at Colombo Rainfall Gauging Station
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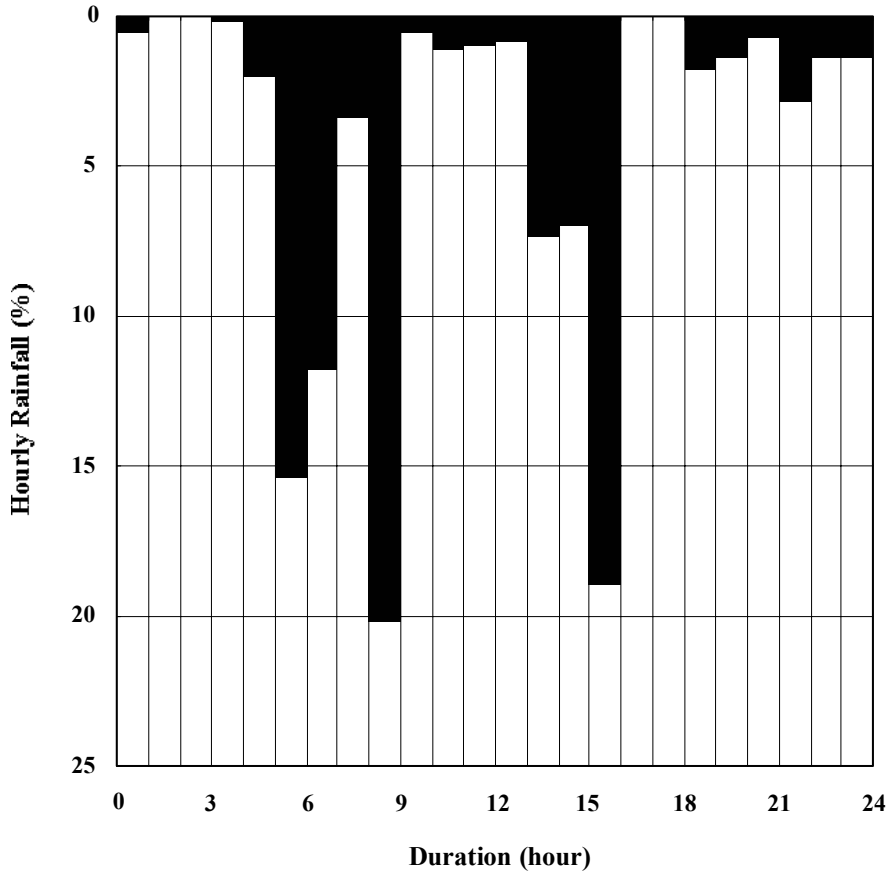

Duration (hr)	Rainfall (%)	Duration (hr)	Rainfall (%)
1	0.54	13	0.89
2	0.00	14	7.33
3	0.00	15	6.98
4	0.18	16	18.96
5	1.97	17	0.00
6	15.38	18	0.00
7	11.81	19	1.79
8	3.40	20	1.43
9	20.21	21	0.72
10	0.54	22	2.86
11	1.16	23	1.43
12	0.98	24	1.43

The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka

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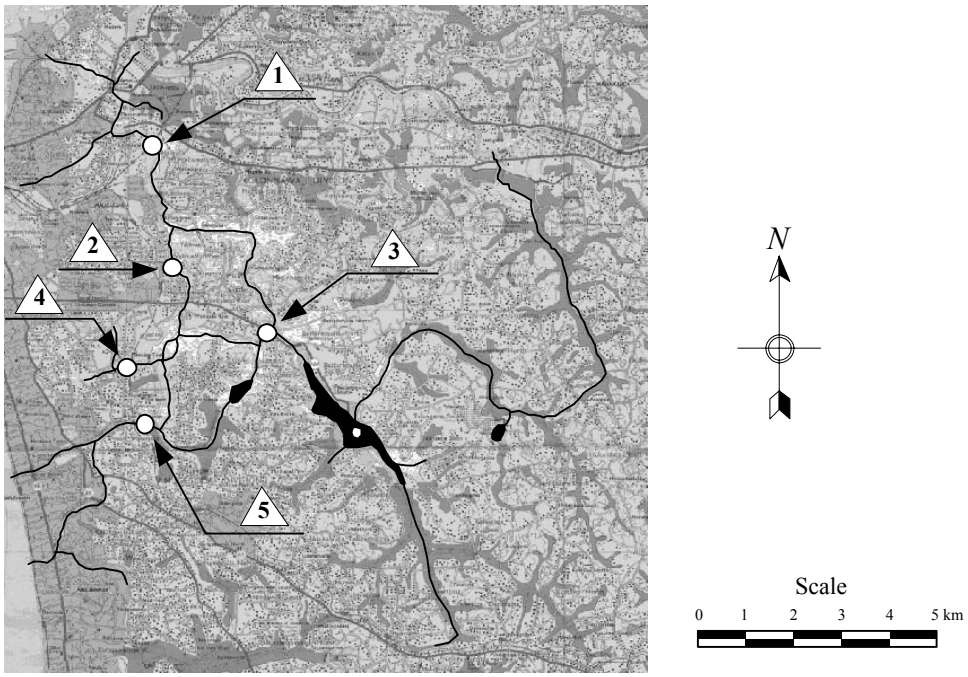
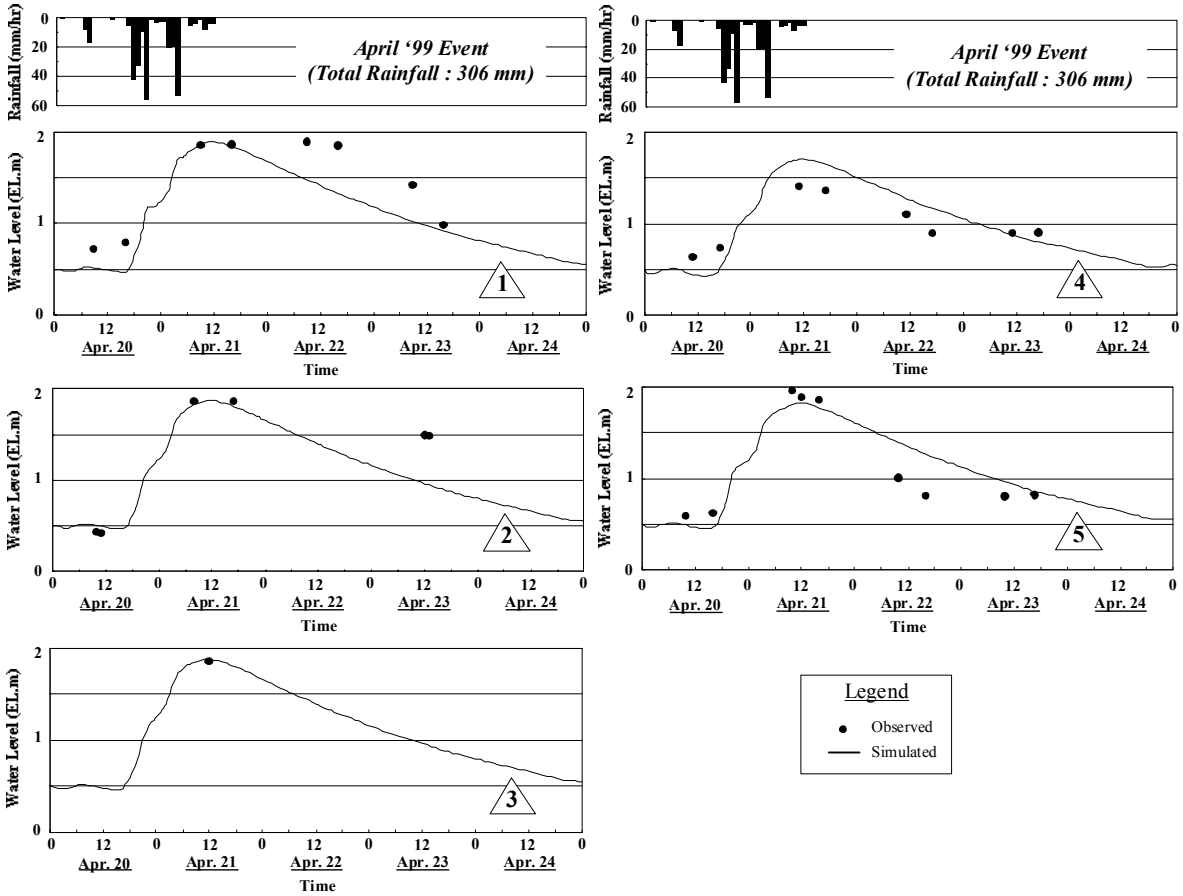
Figure 3.4
Design Storm Rainfall Pattern



Location of Calibration Points



The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka	Figure 3.5 Result of Model Calibration
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