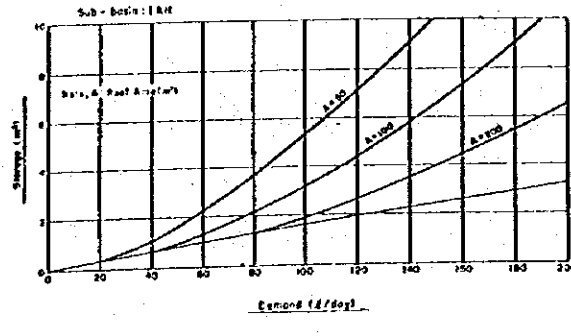
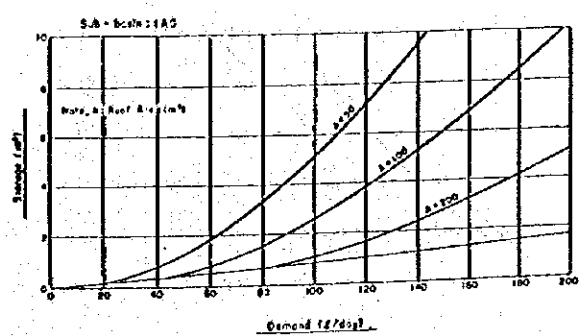
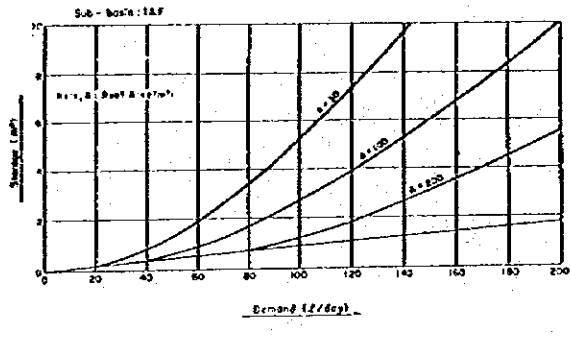
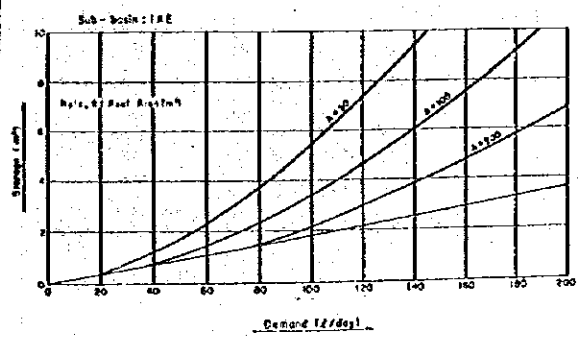
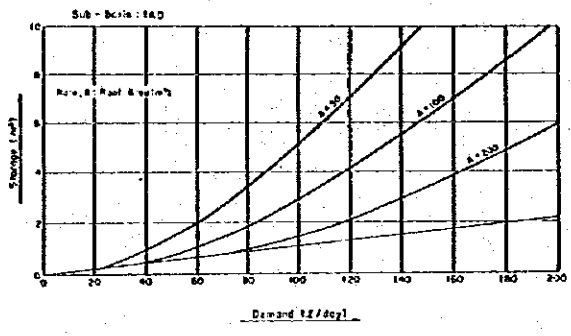
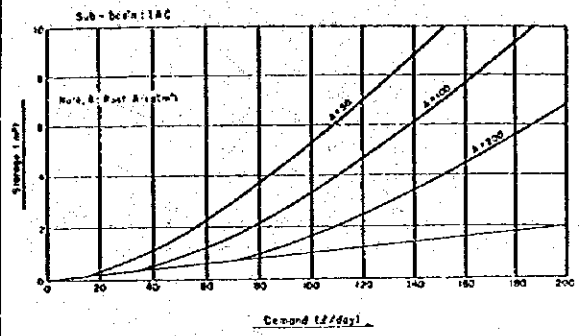
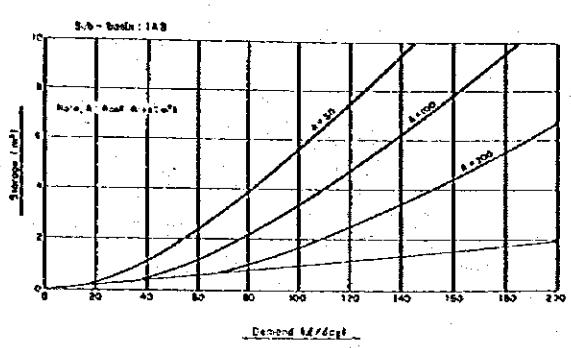
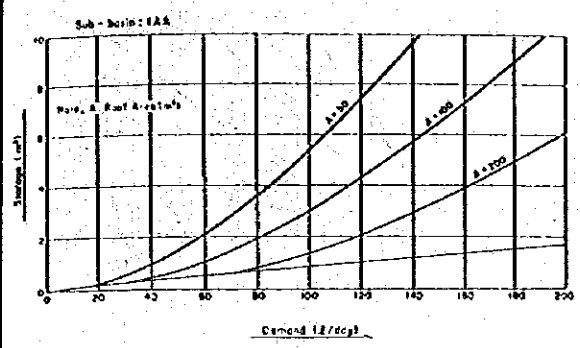


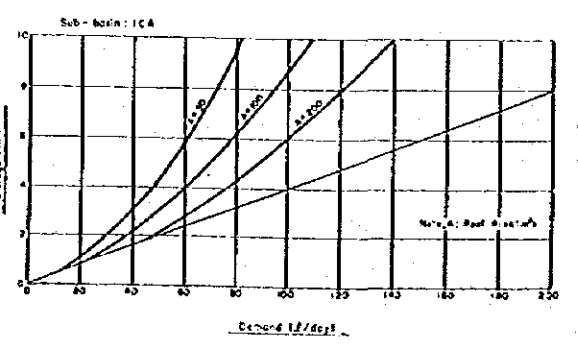
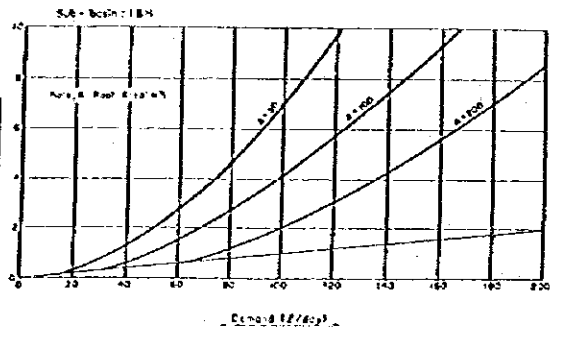
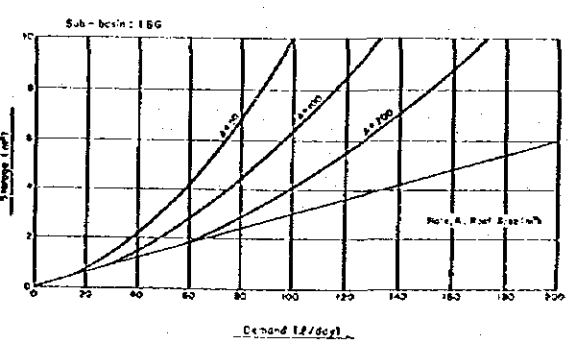
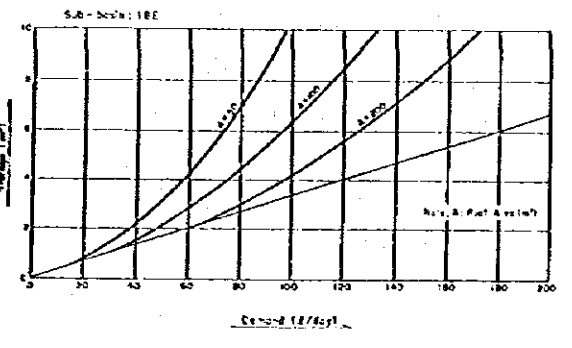
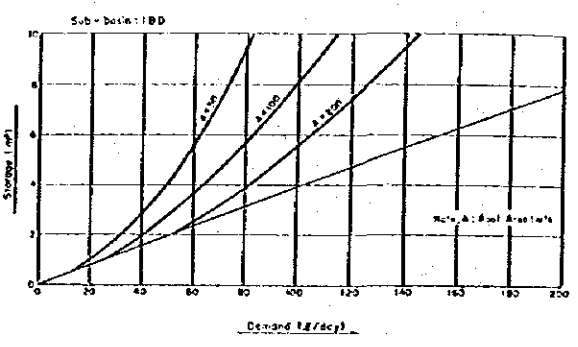
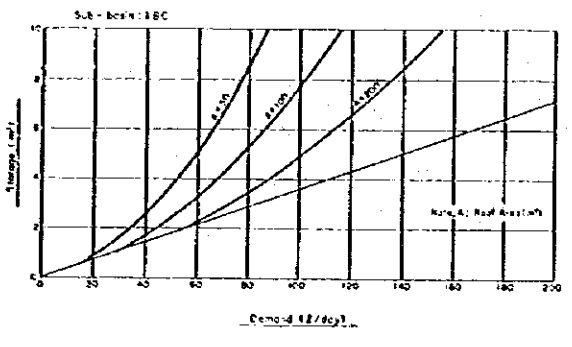
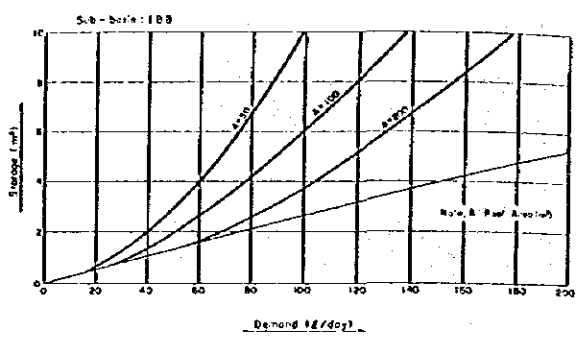
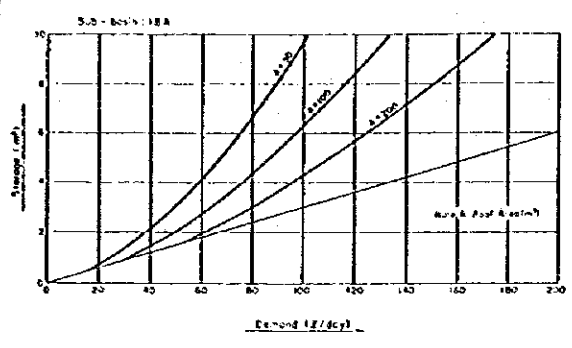
APPENDIX M.2

STORAGE BALANCE CALCULATION OF ROOF CATCHMENT

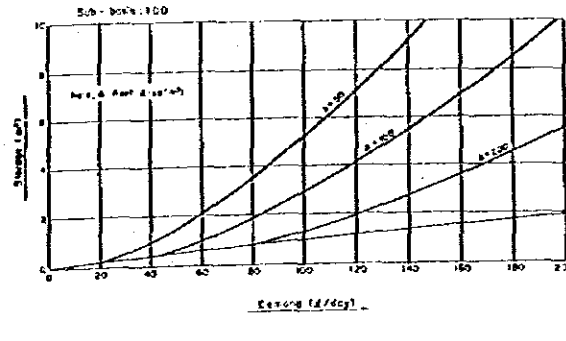
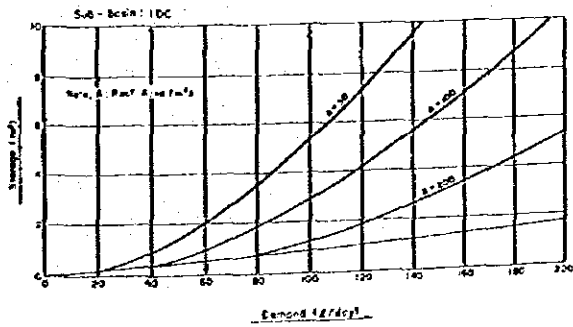
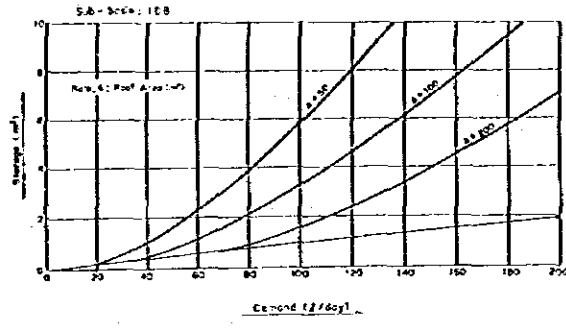
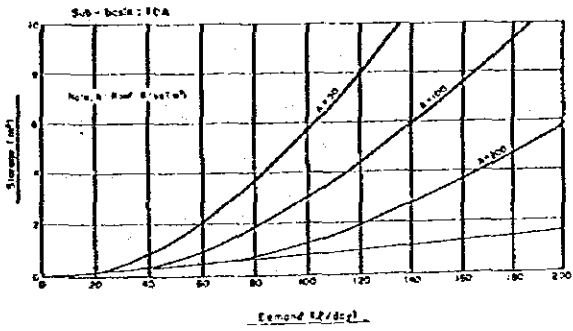
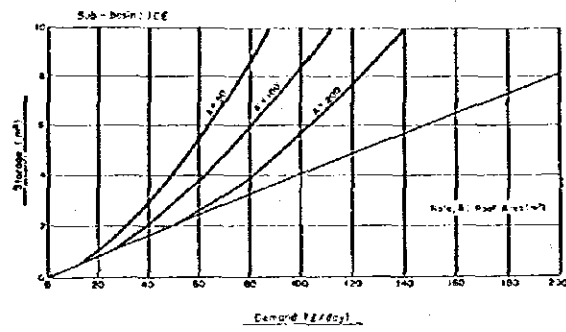
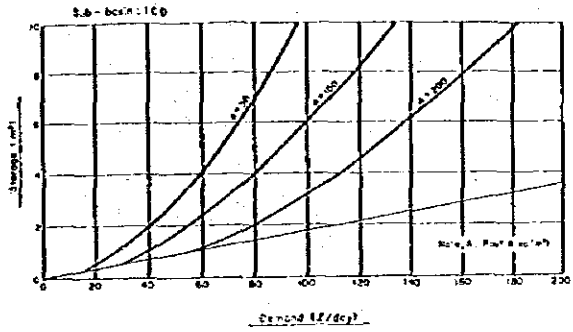
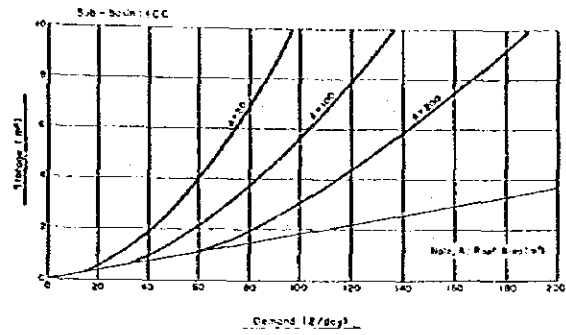
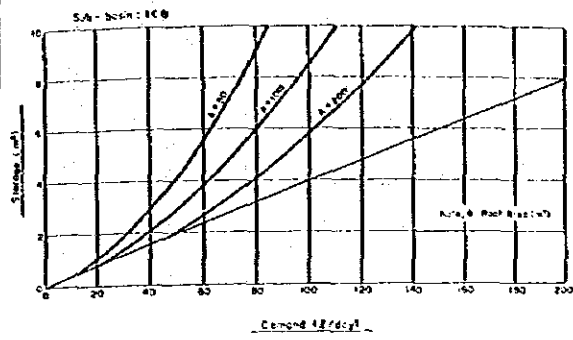
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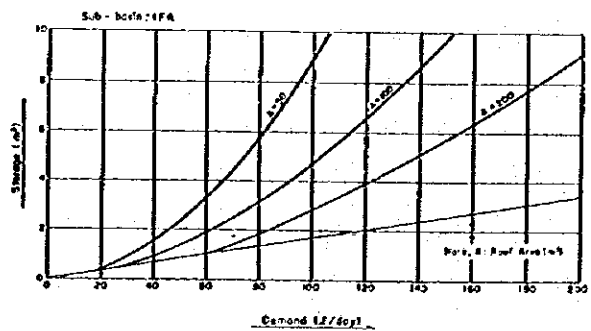
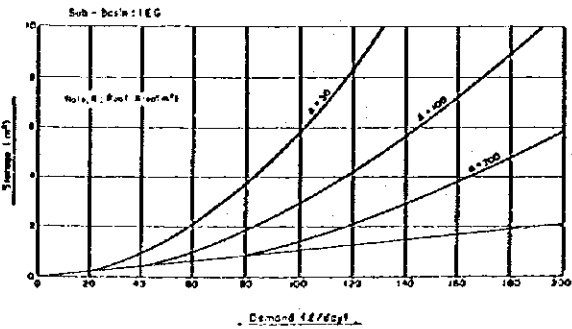
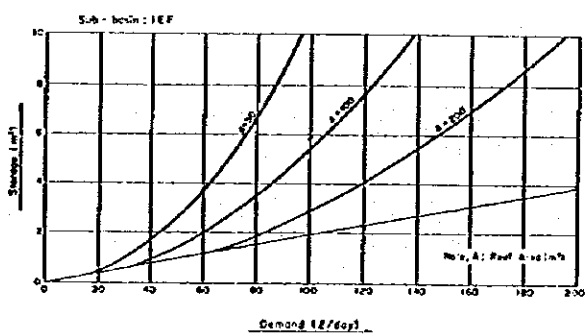
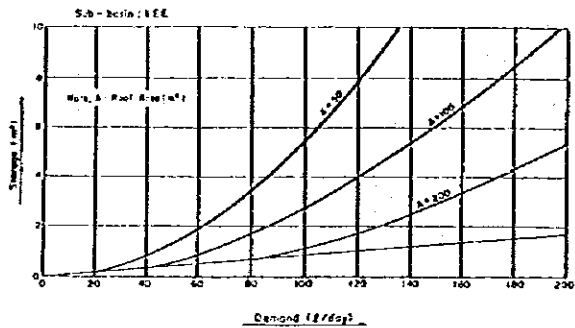
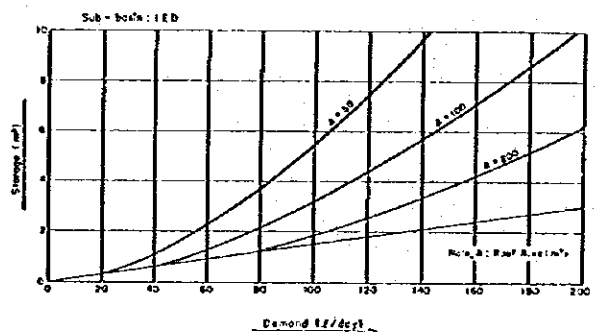
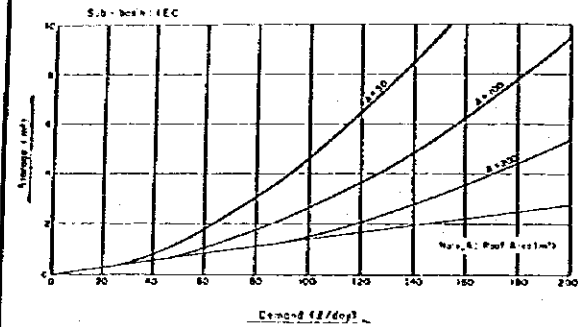
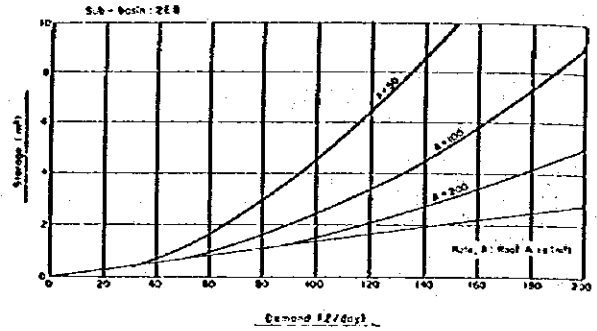
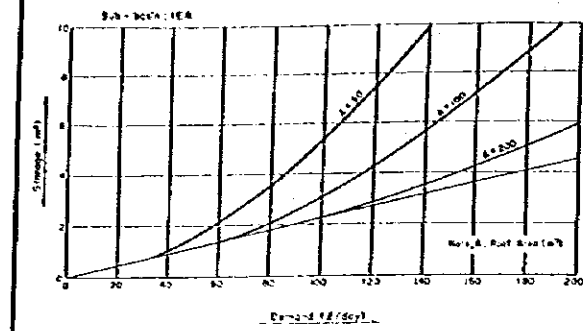
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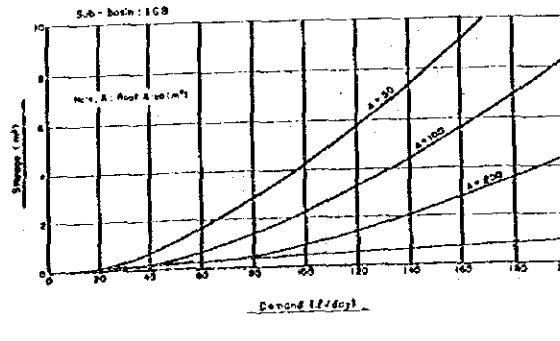
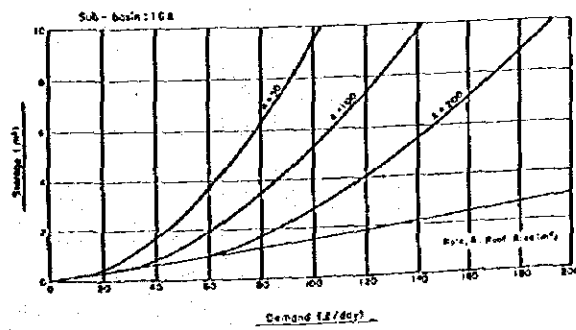
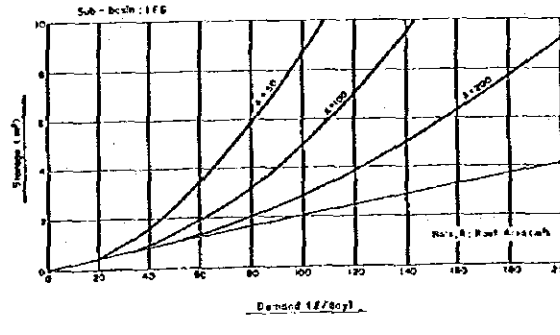
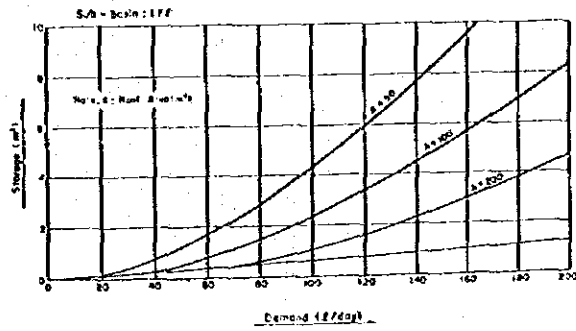
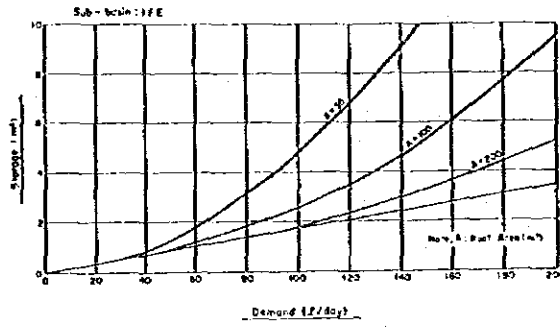
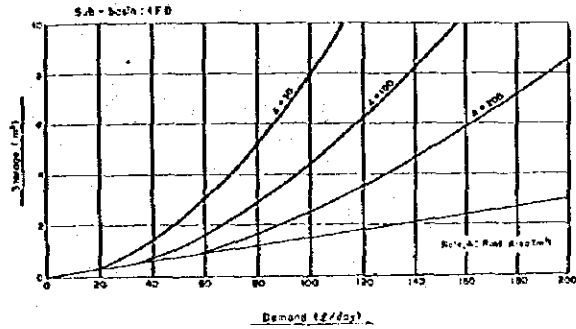
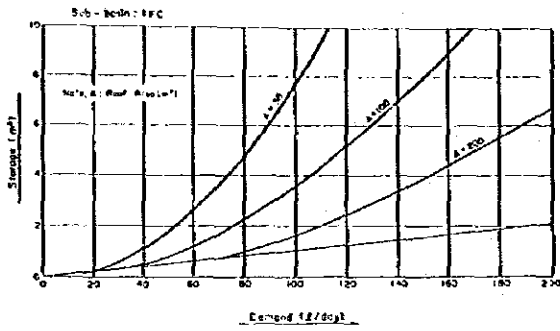
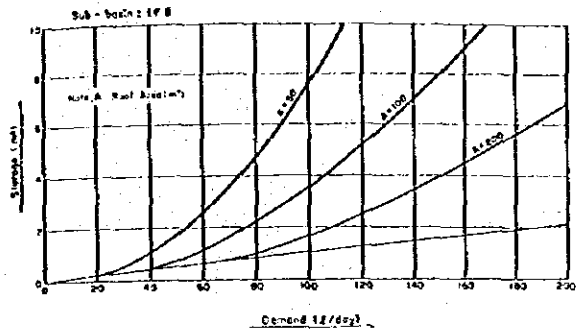


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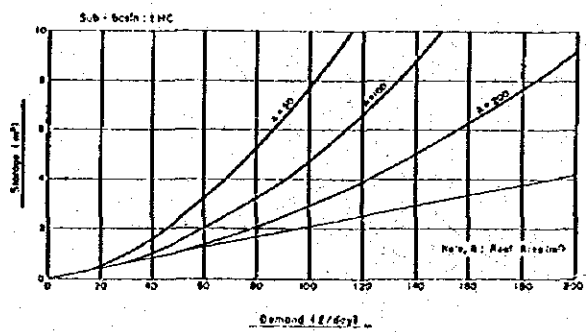
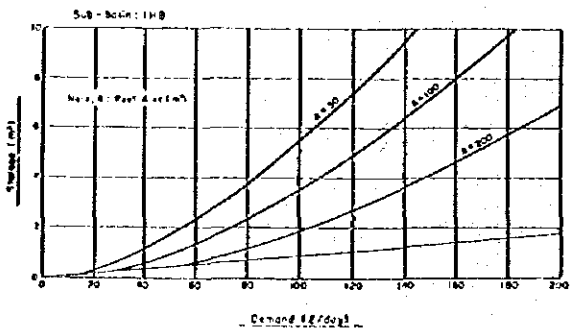
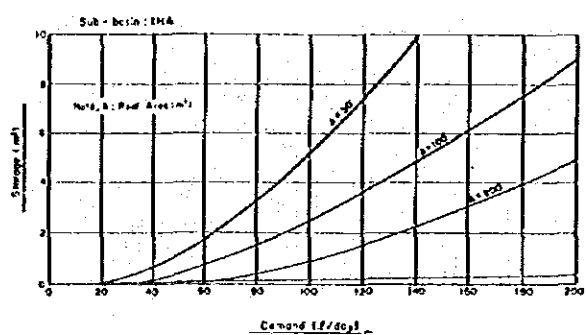
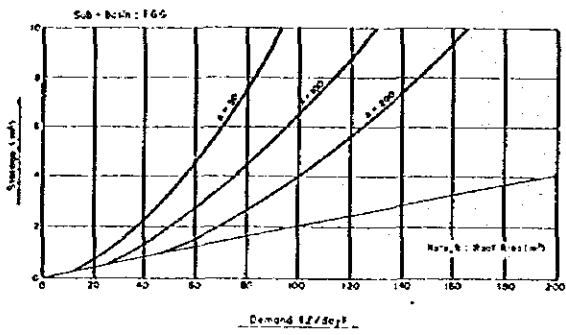
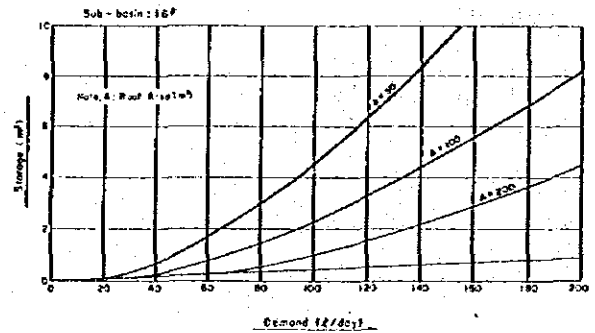
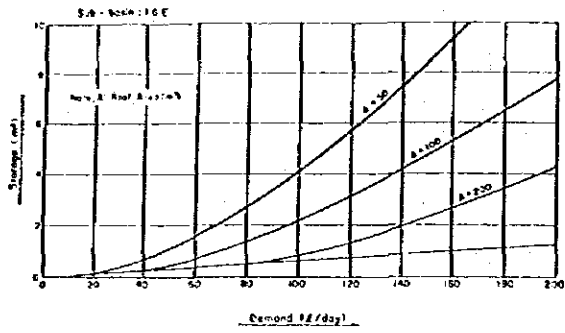
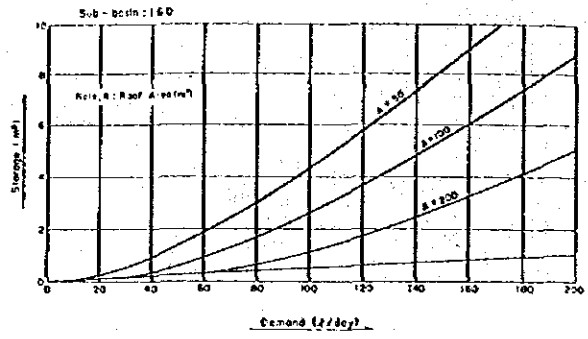
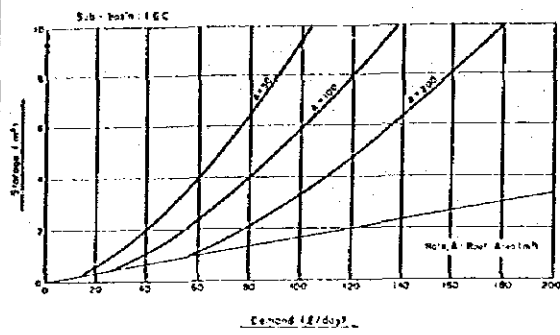


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Fig.

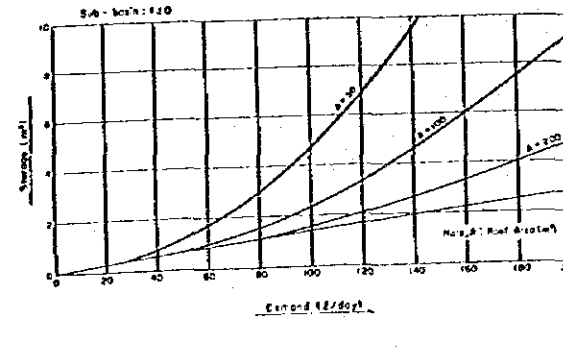
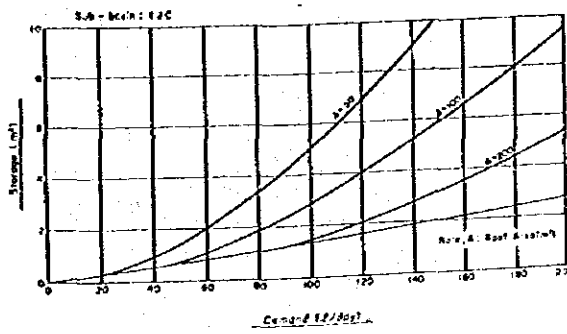
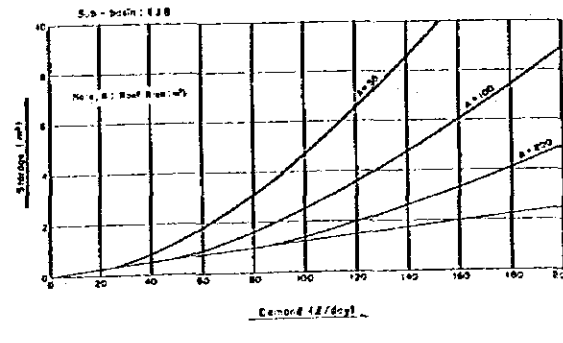
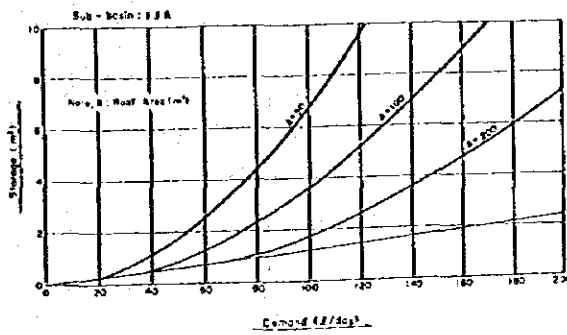
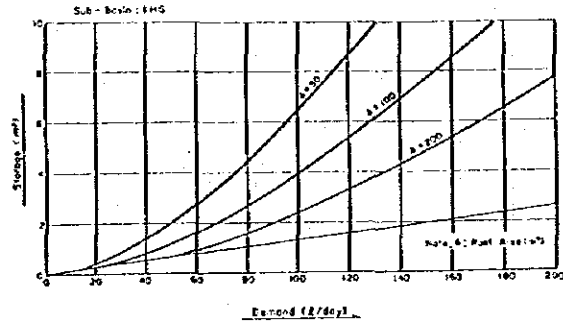
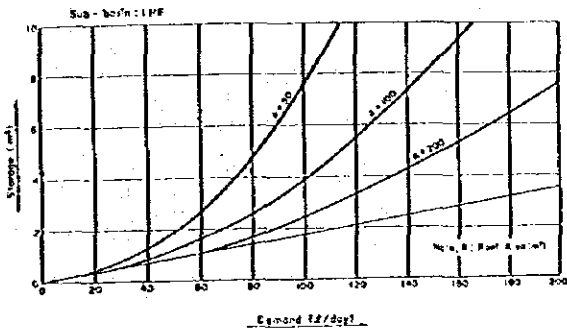
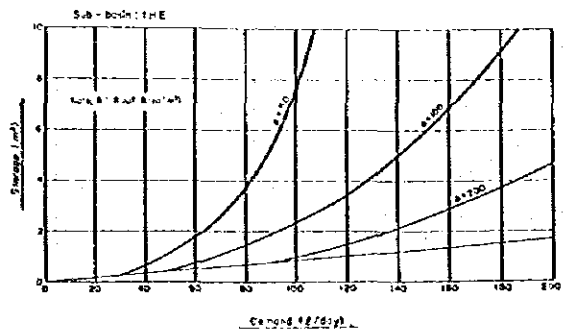
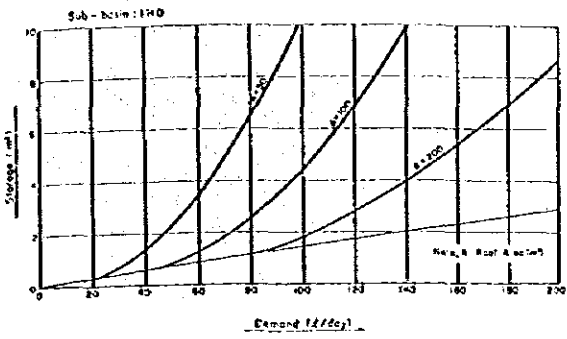


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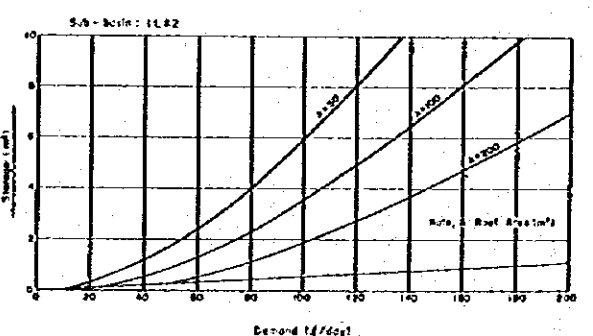
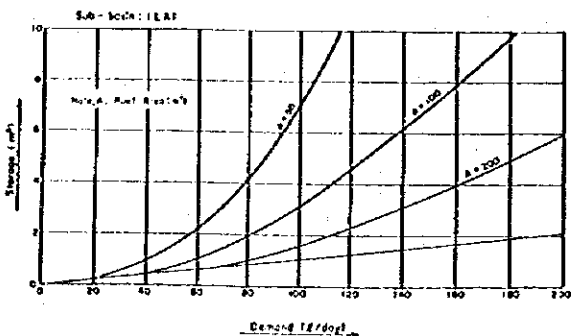
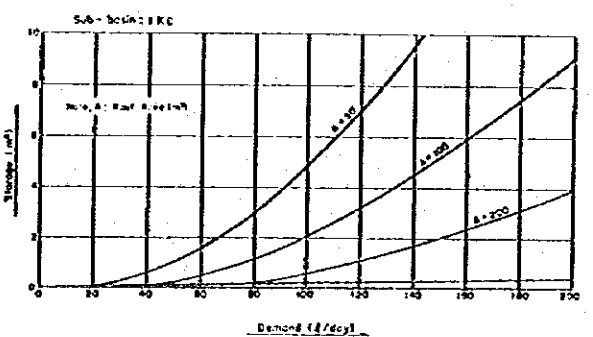
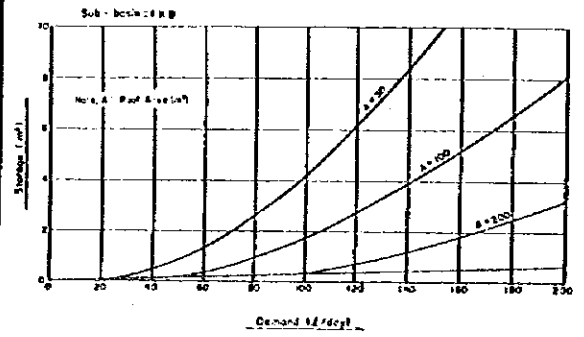
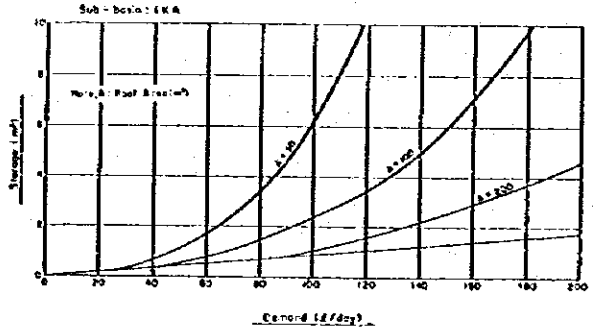
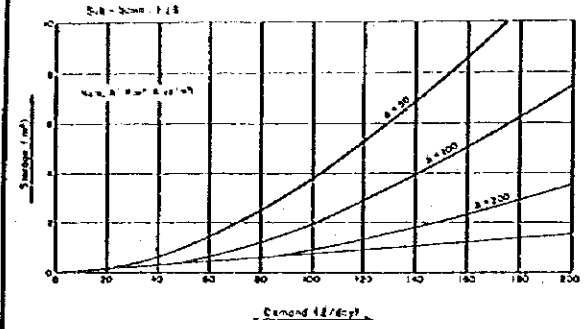
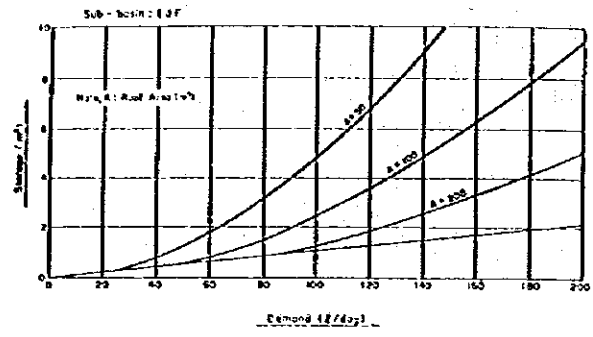
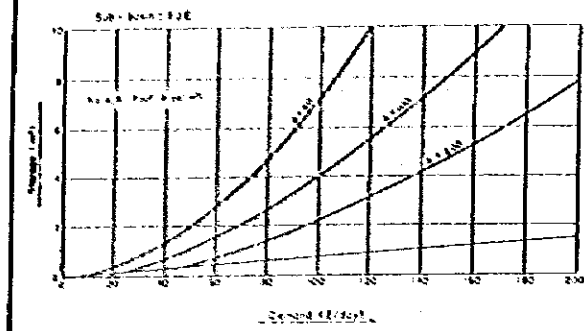


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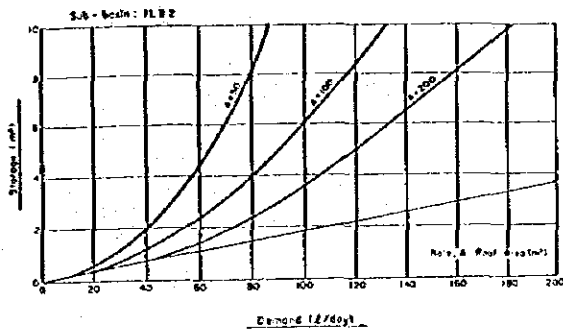
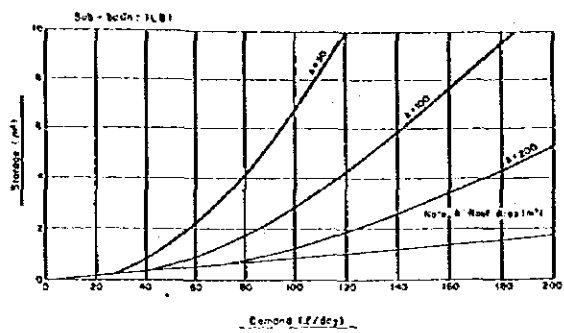
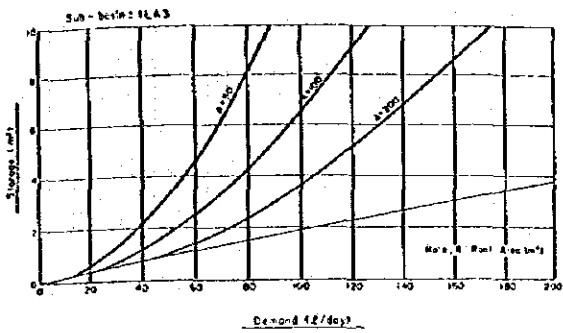
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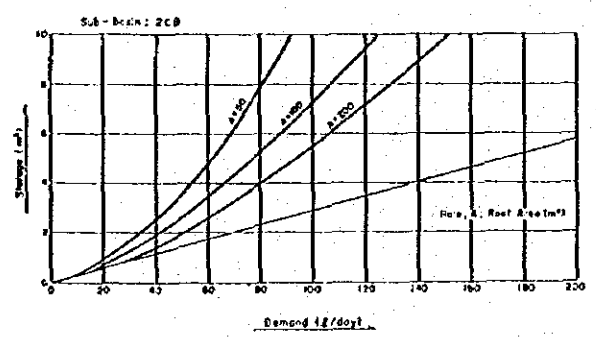
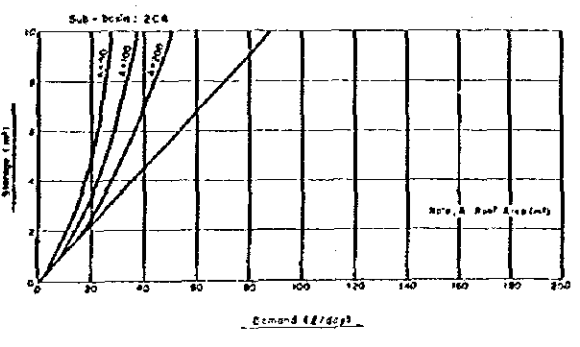
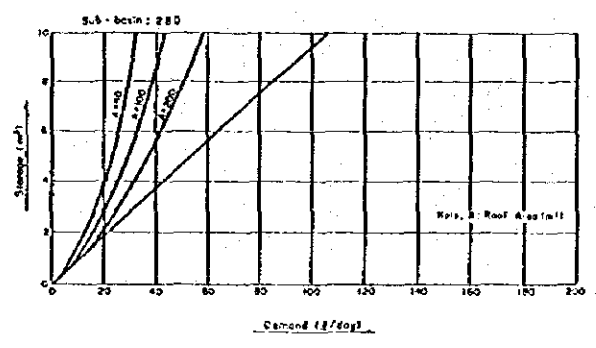
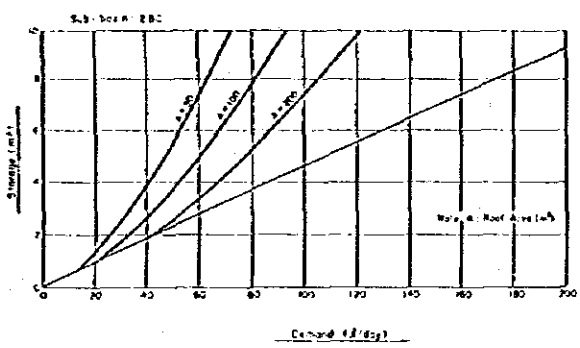
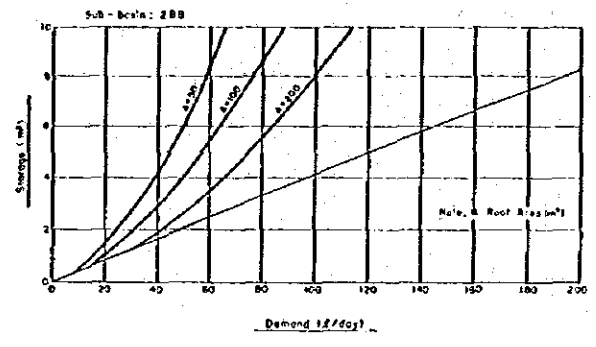
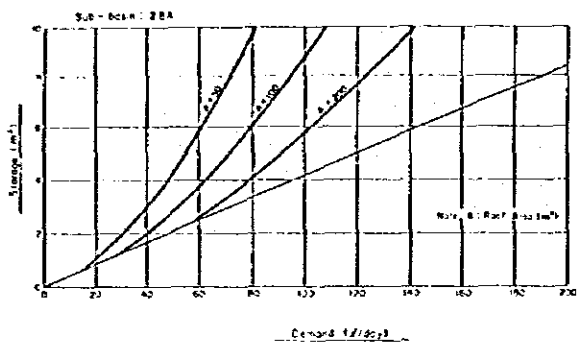
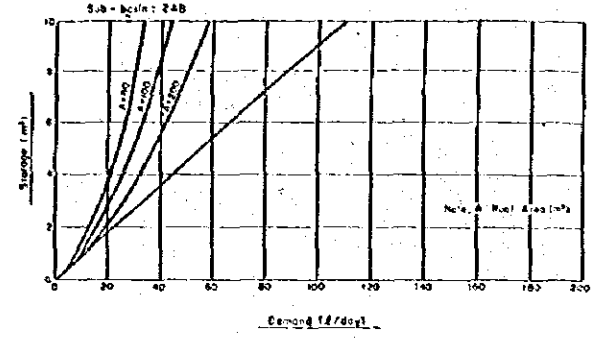
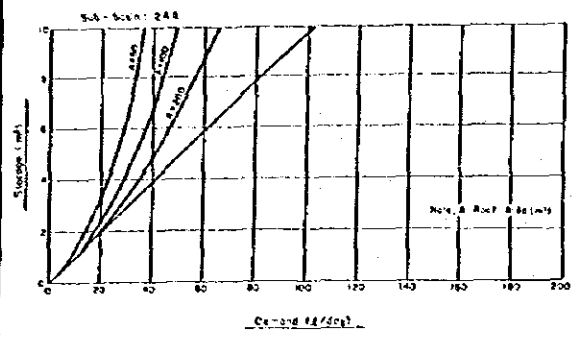


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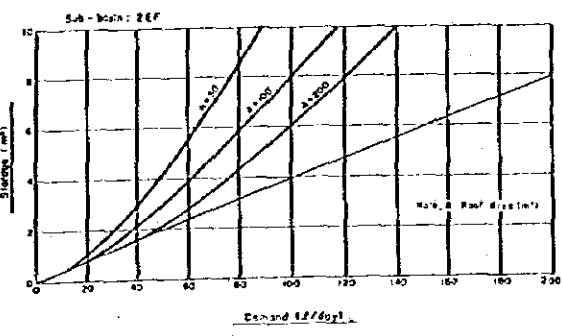
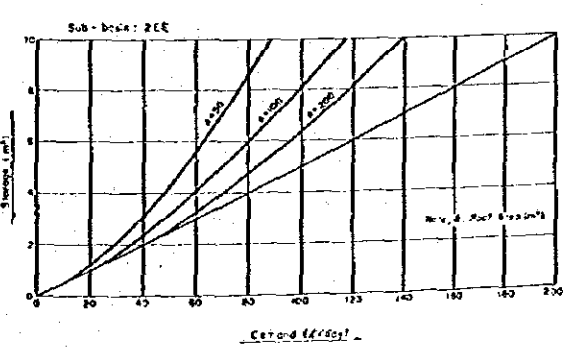
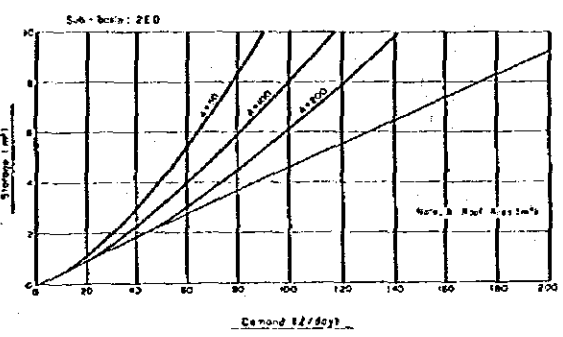
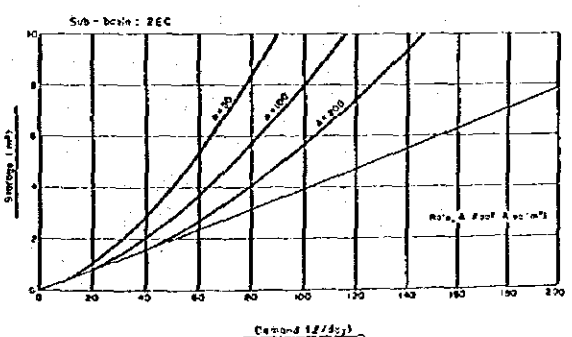
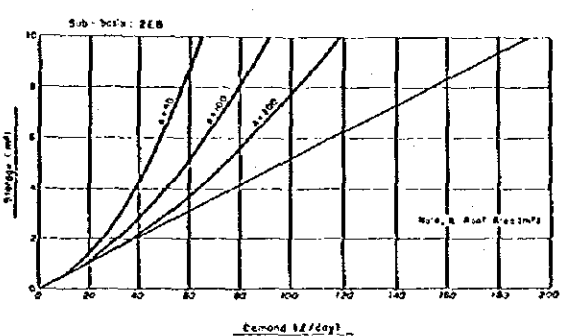
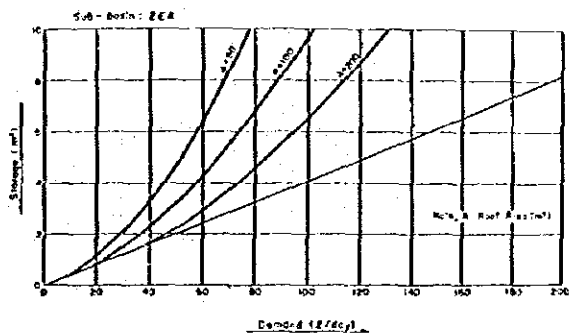
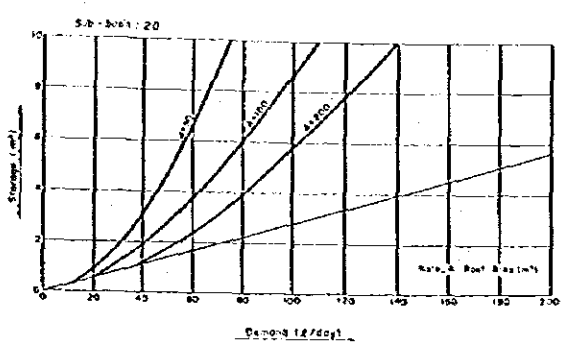
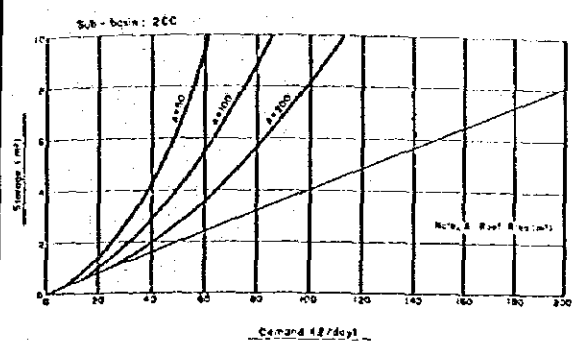
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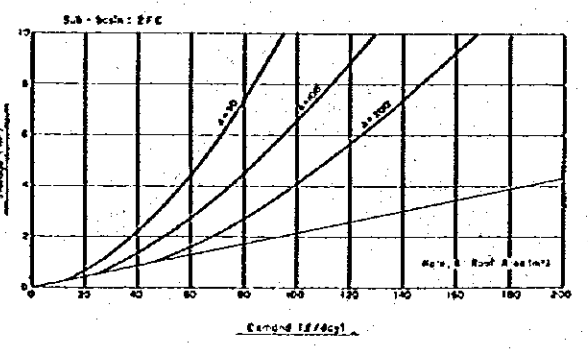
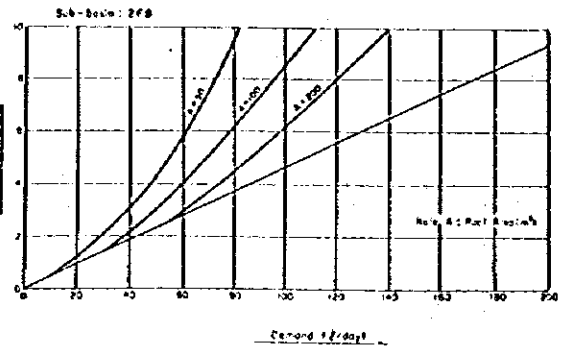
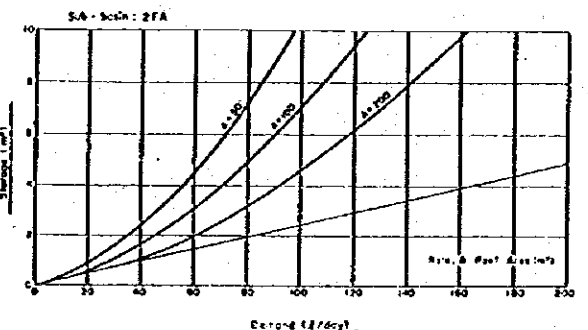
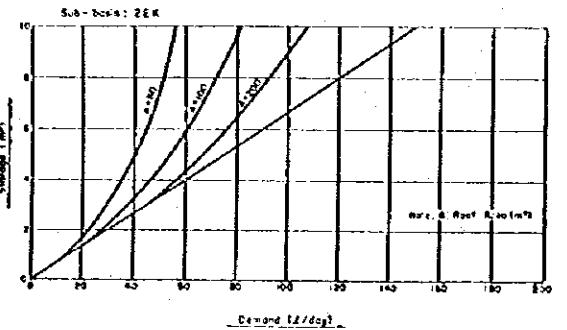
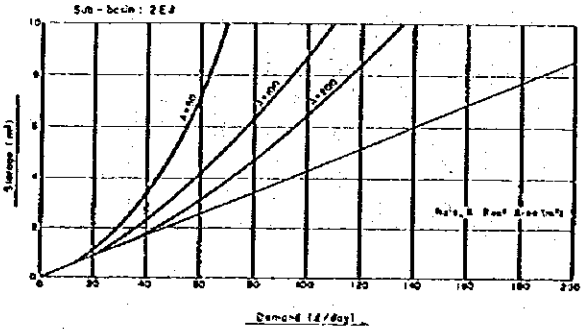
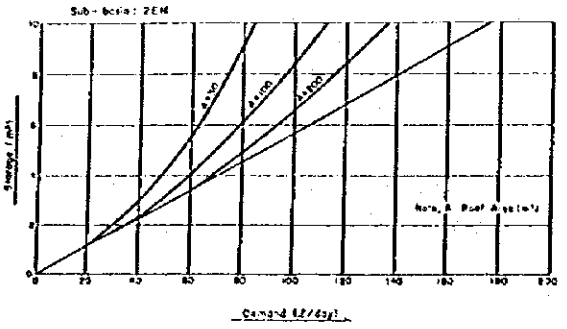
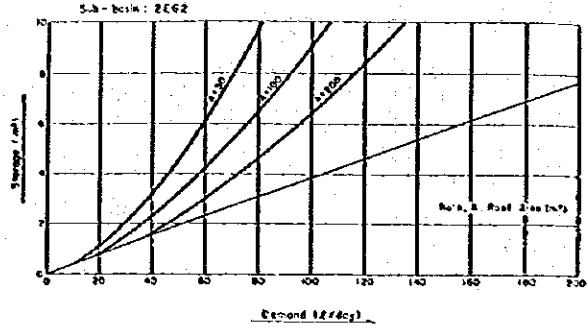
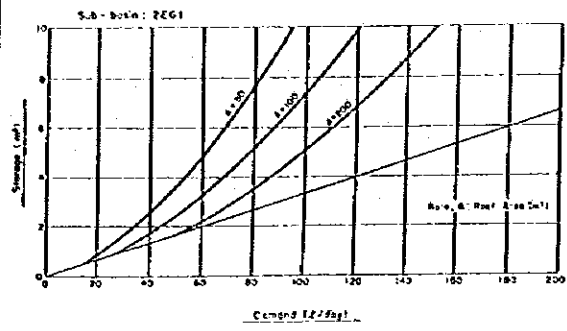


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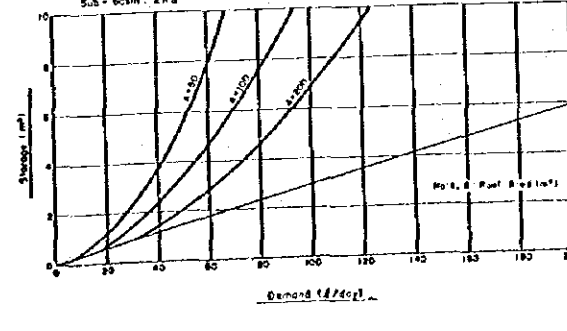
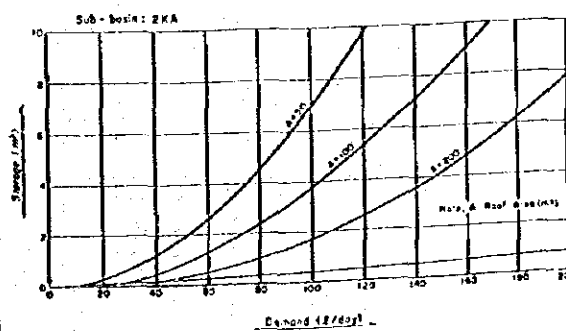
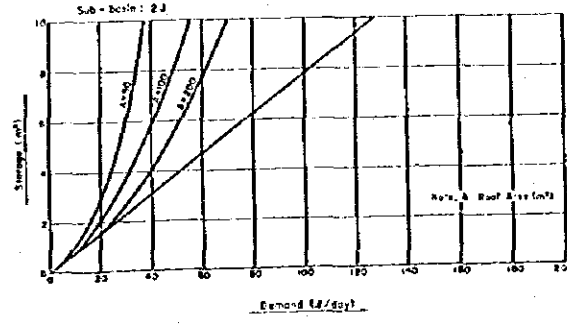
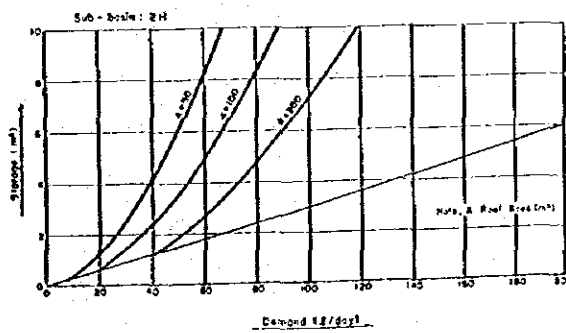
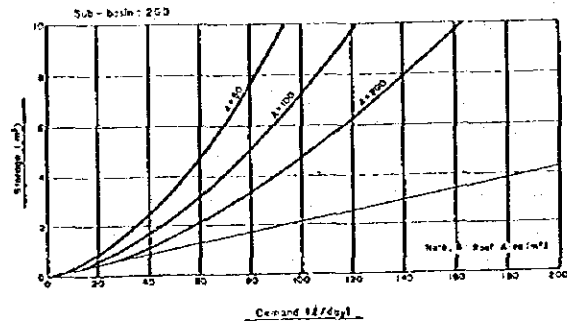
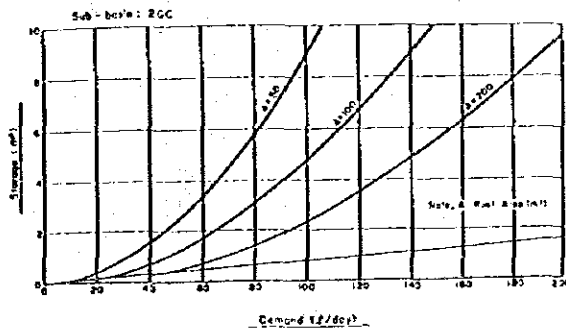
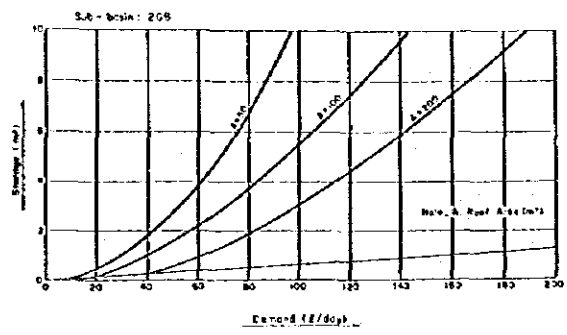
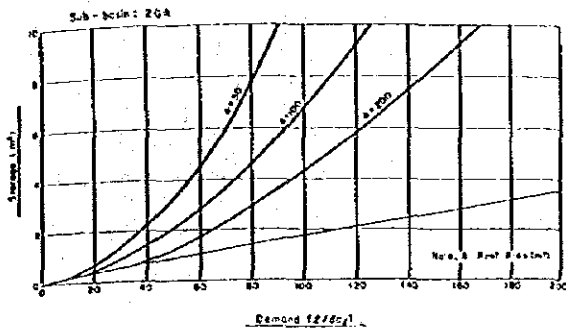
Fig.



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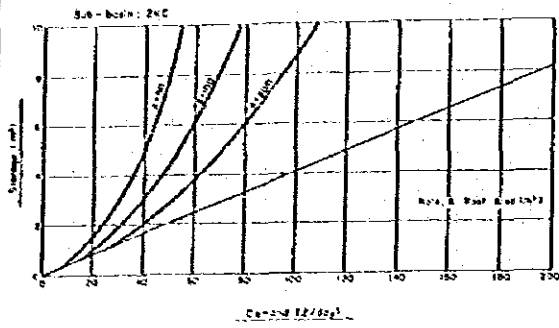
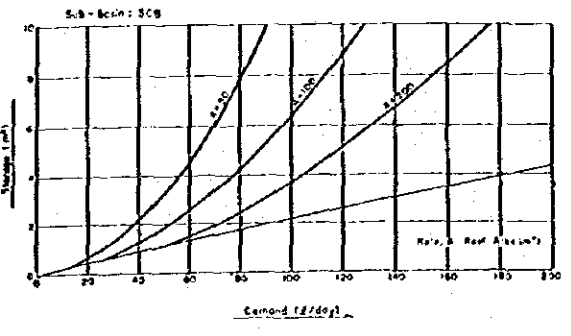
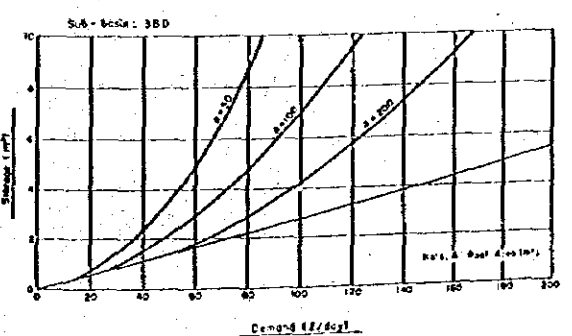
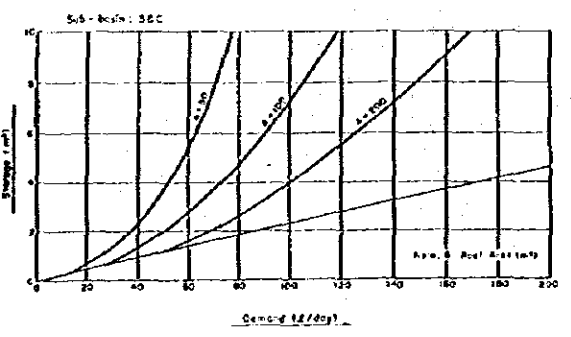
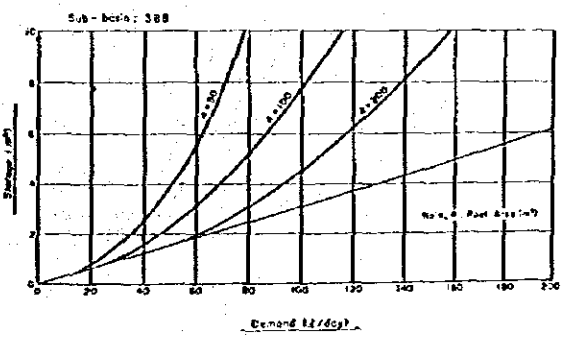
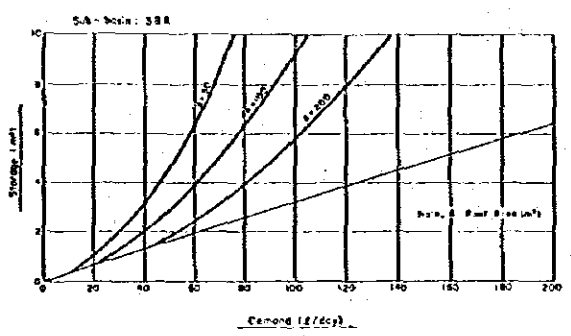
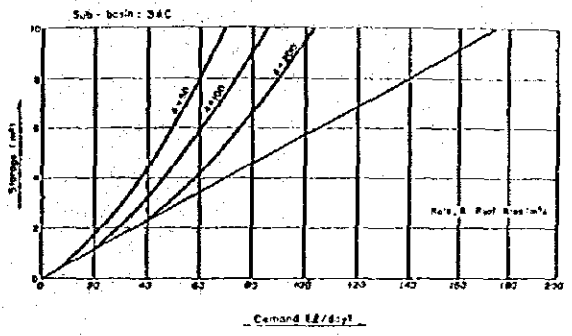
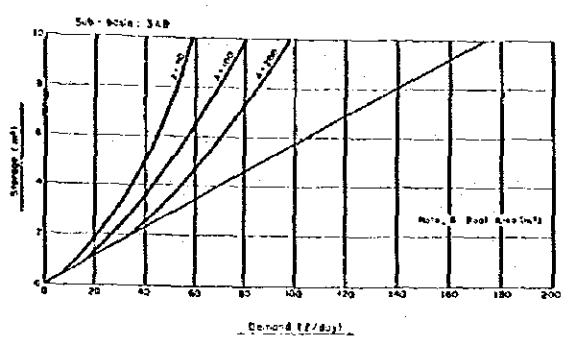
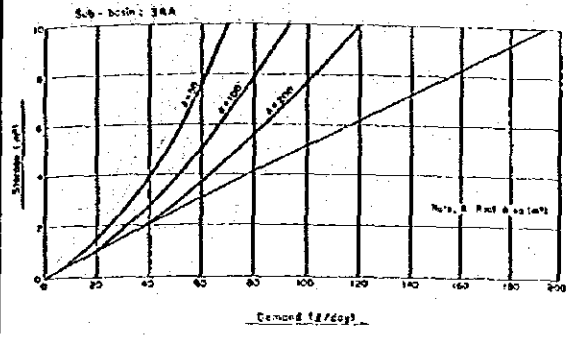
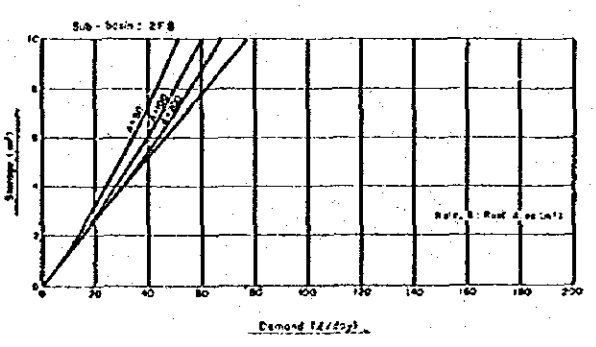
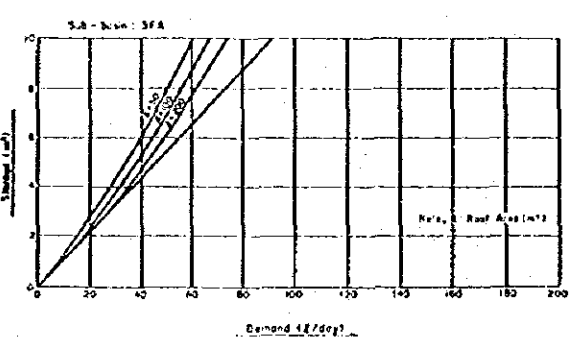
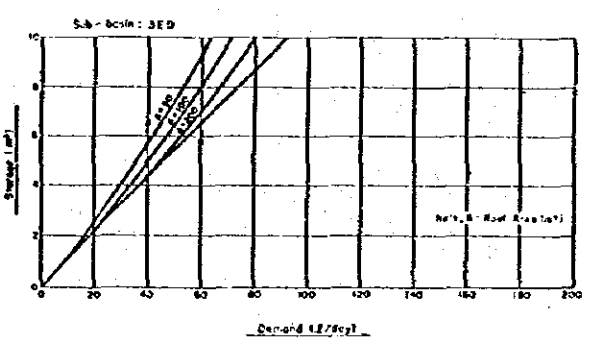
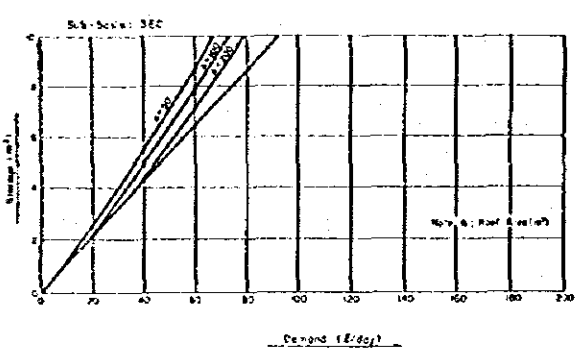
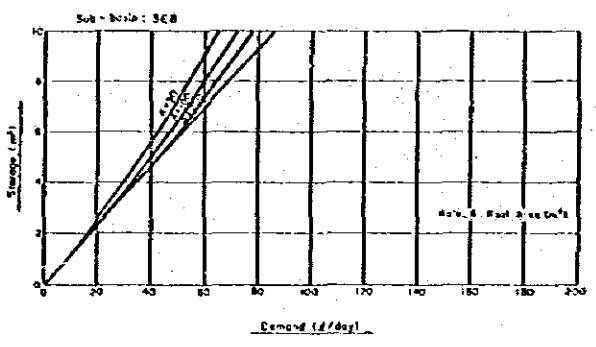
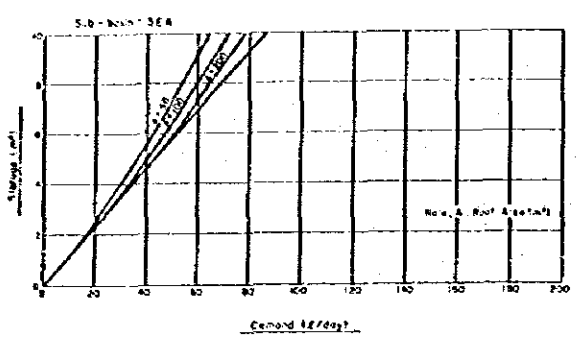
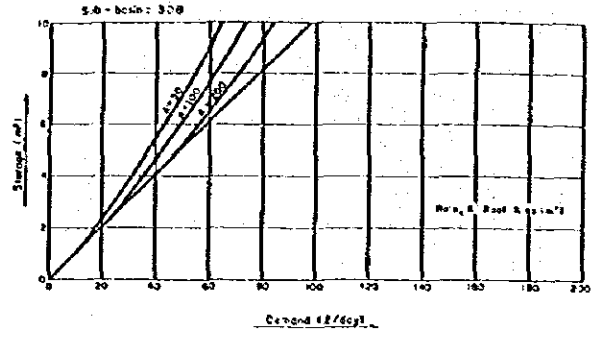
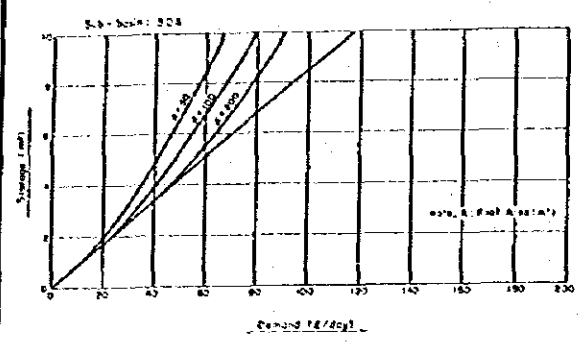


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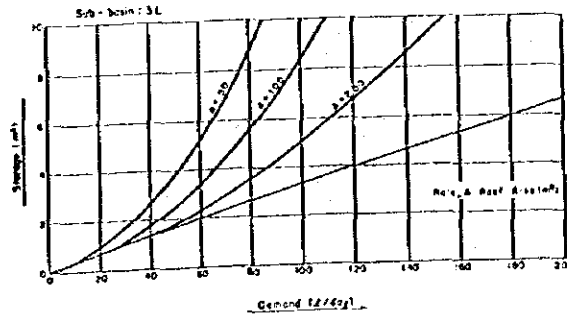
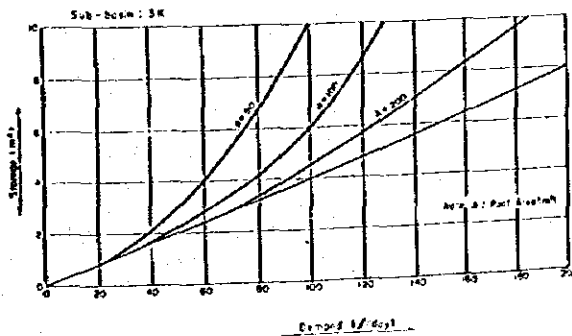
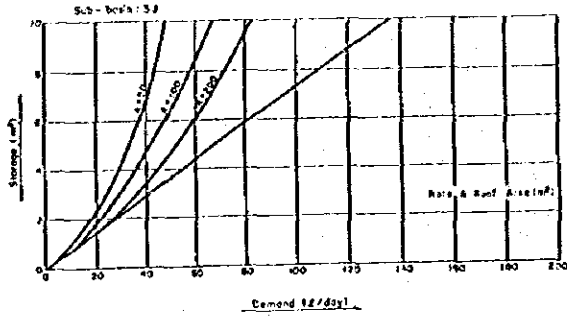
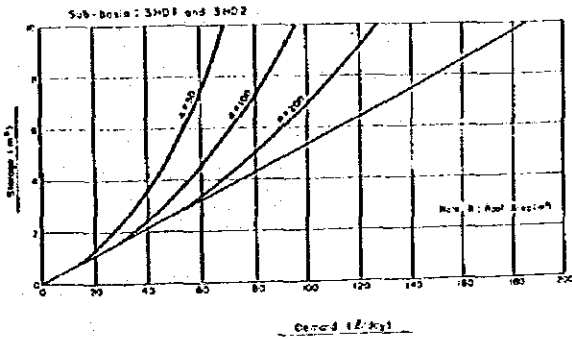
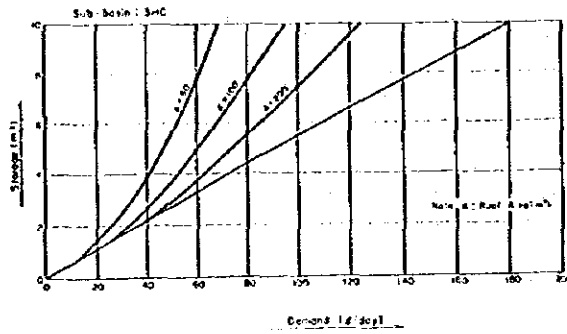
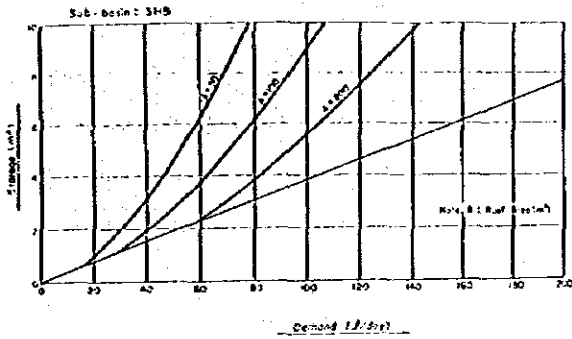
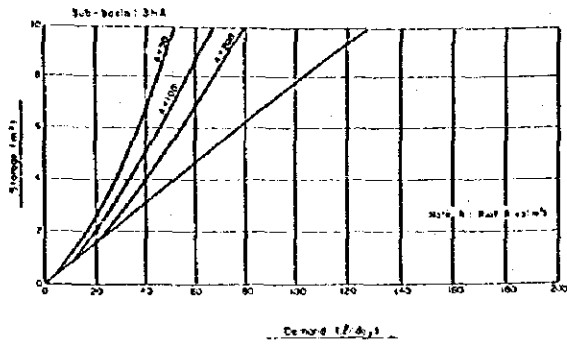
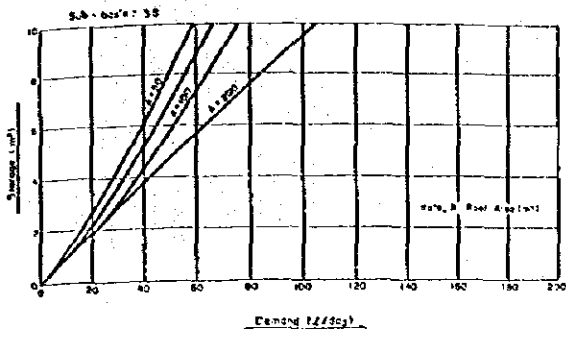


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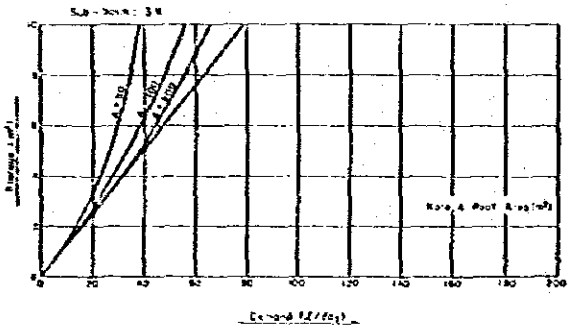
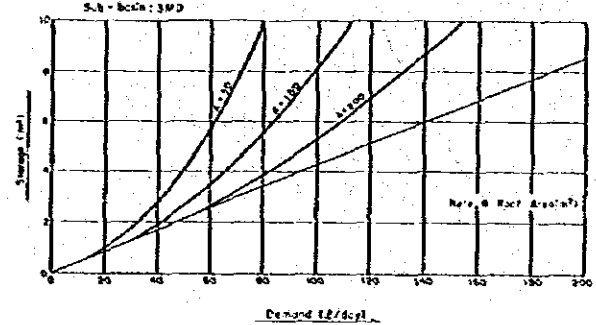
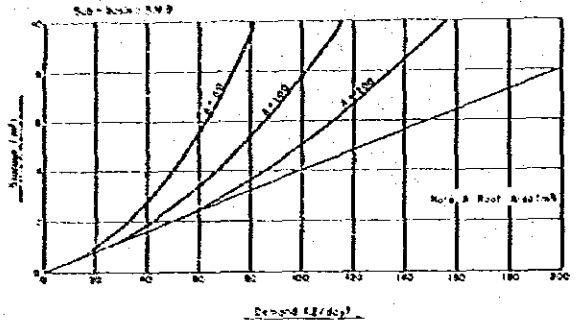
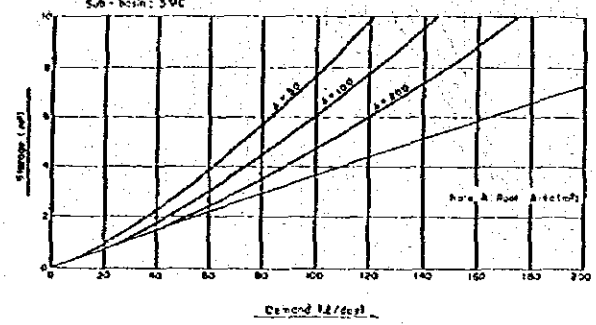
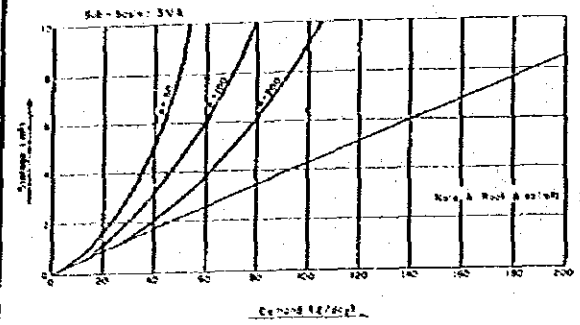


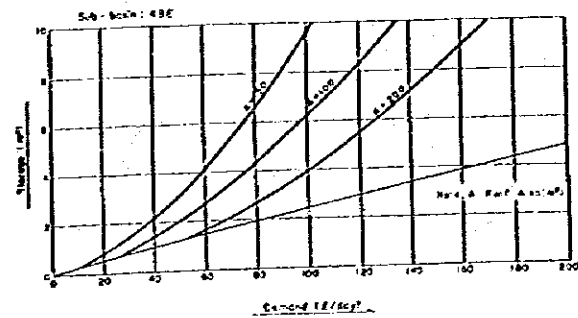
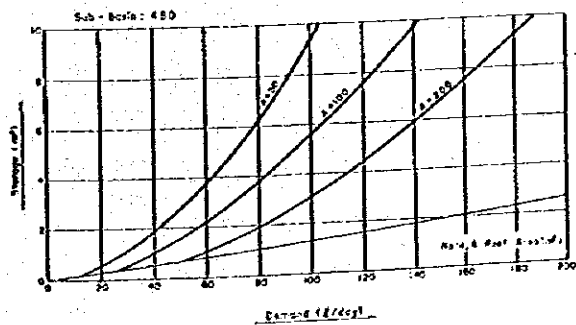
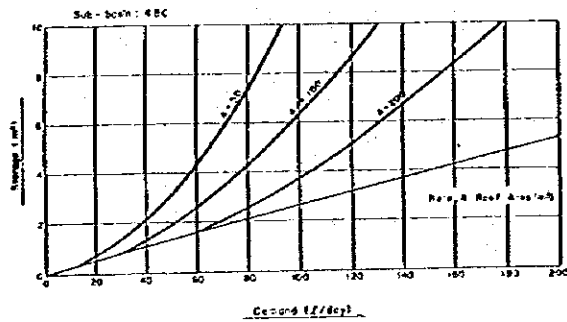
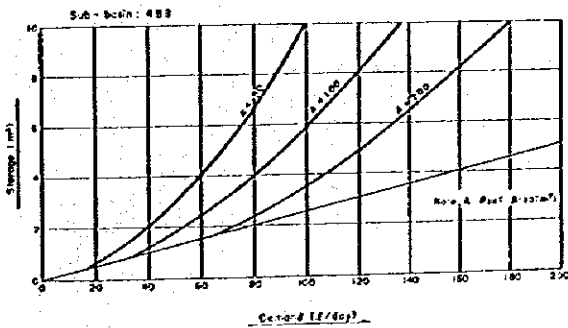
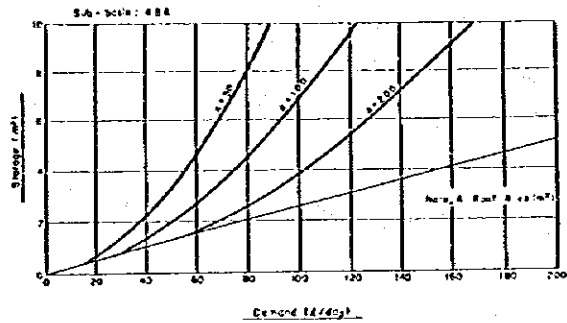
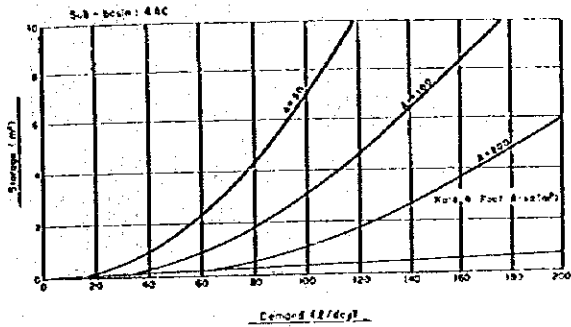
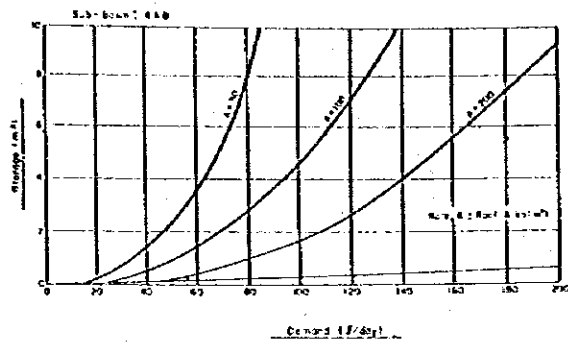
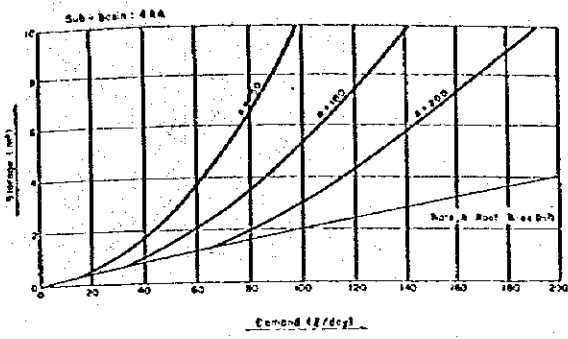
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Fig.

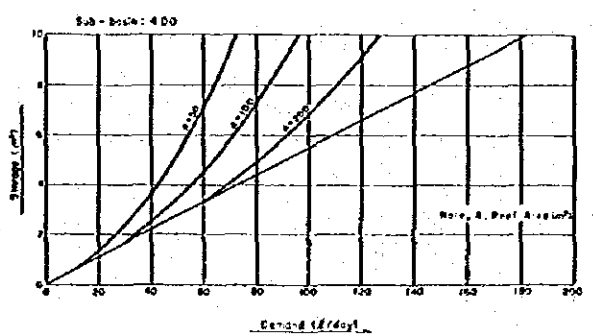
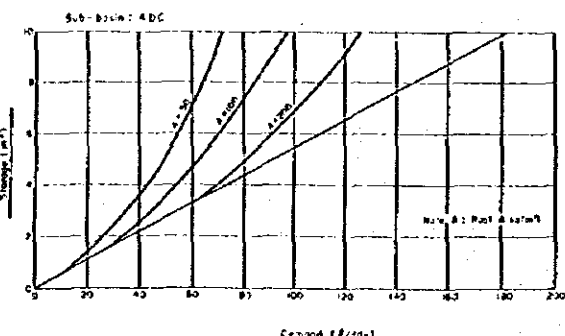
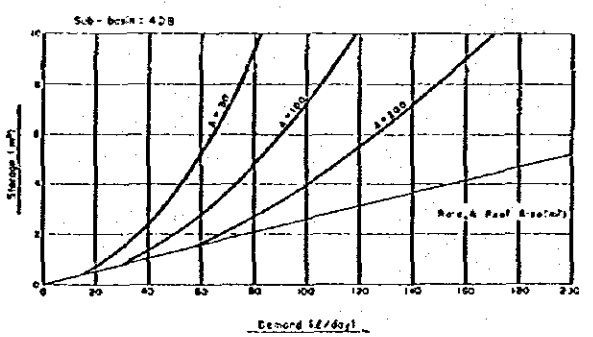
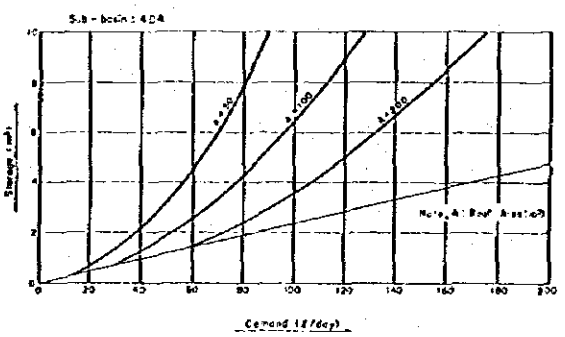
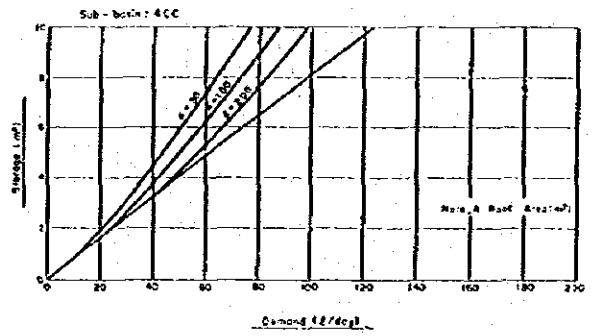
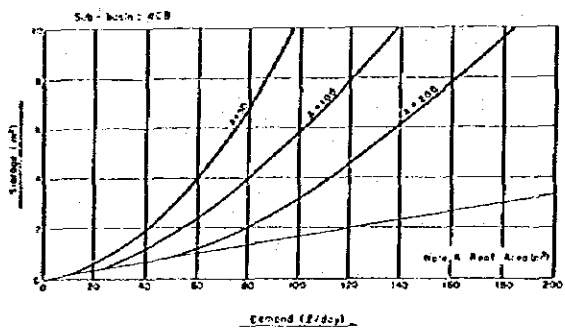
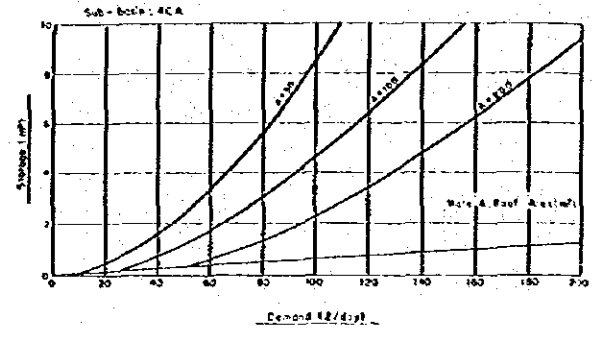
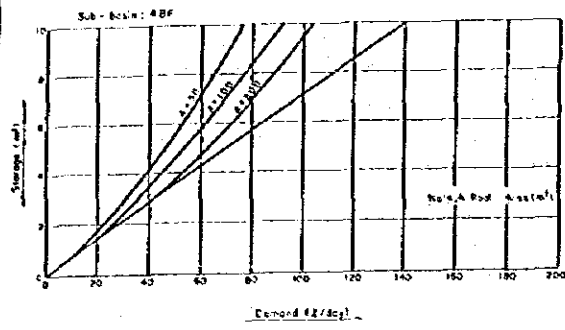


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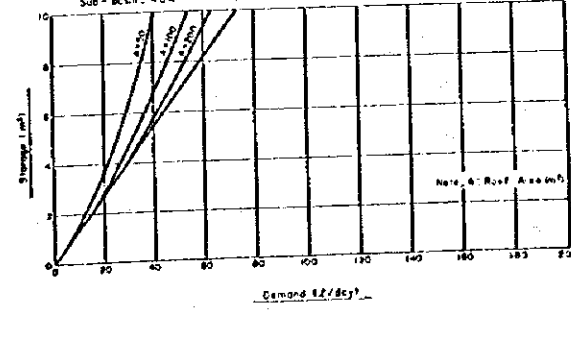
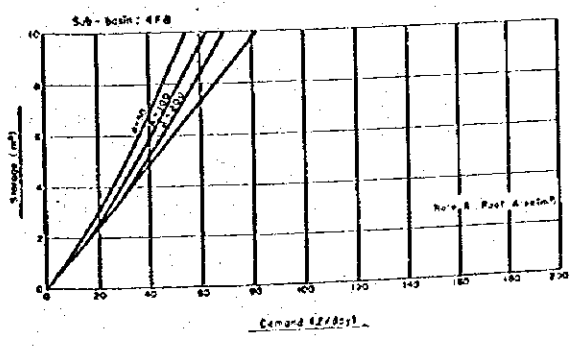
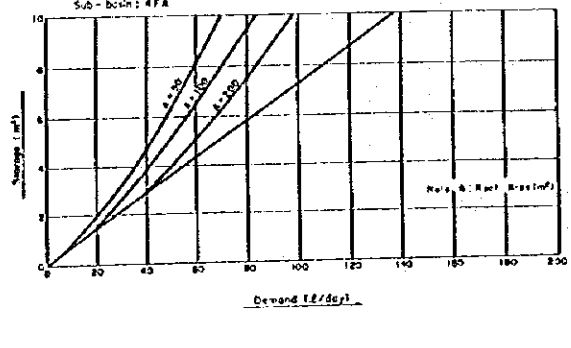
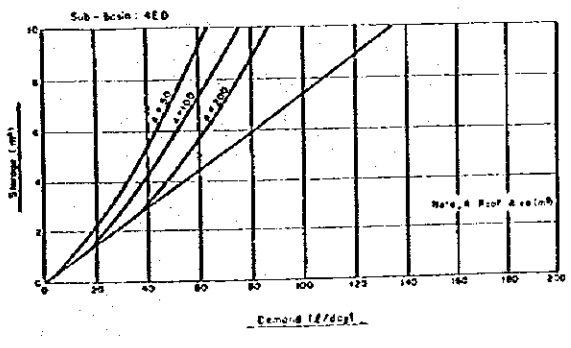
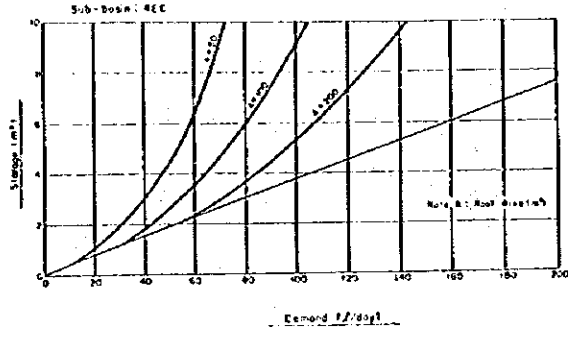
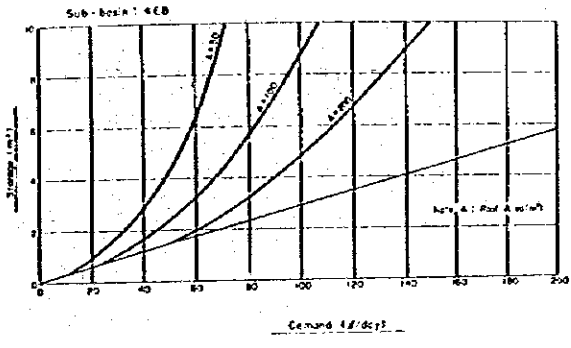
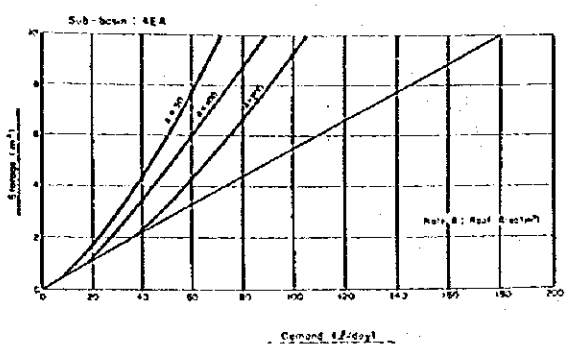
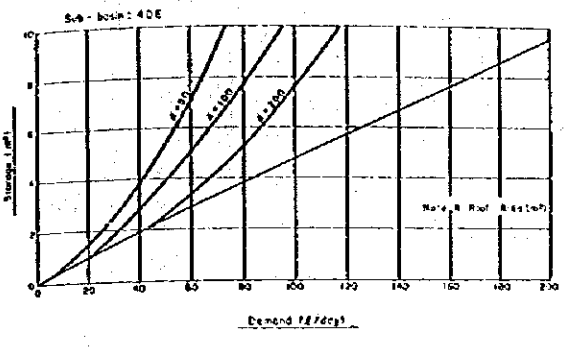


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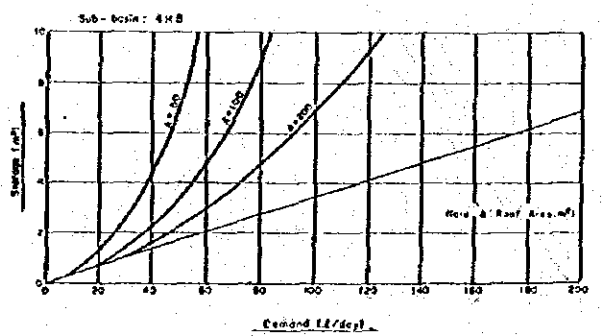
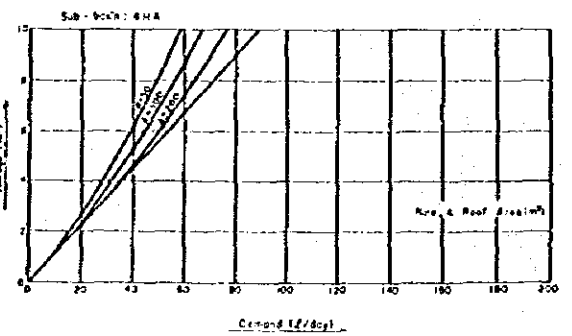
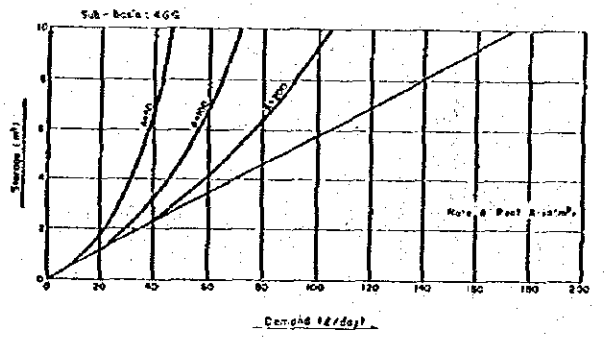
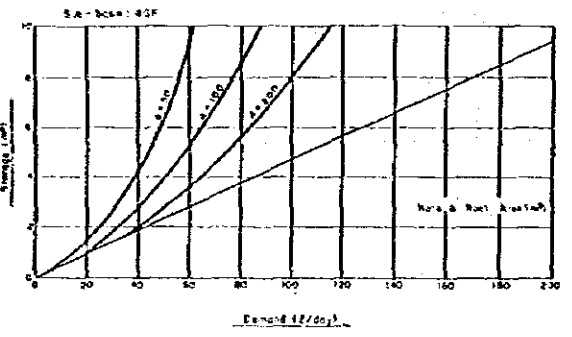
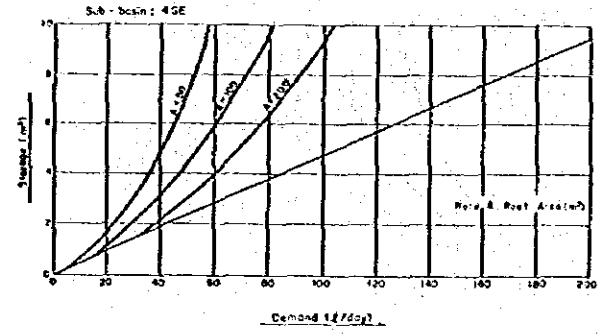
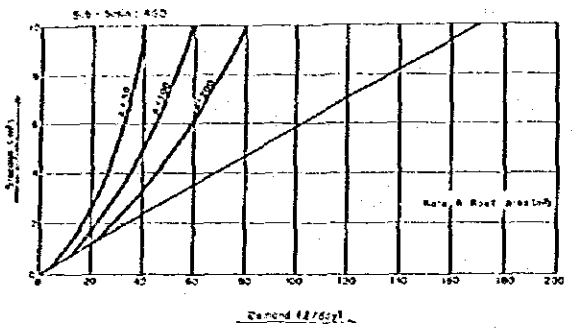
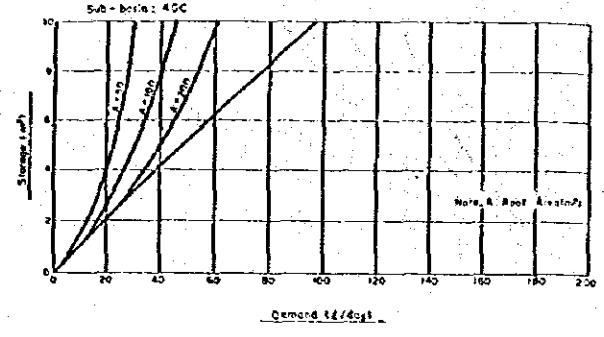
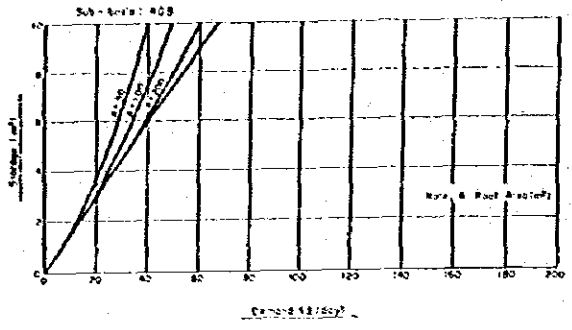


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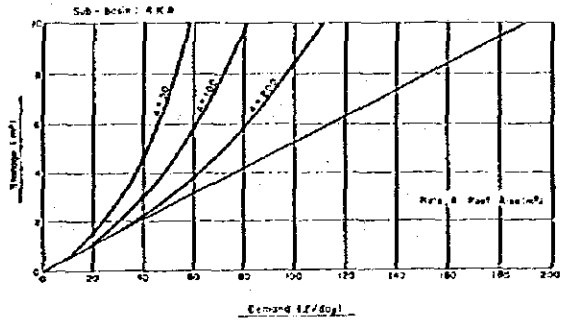
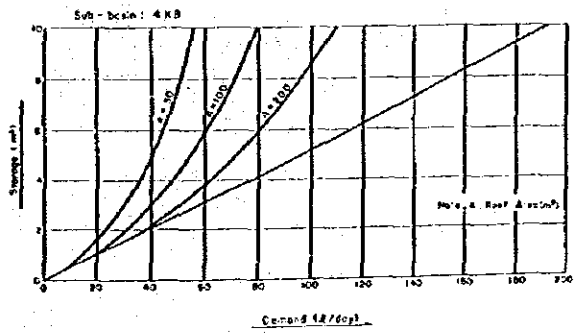
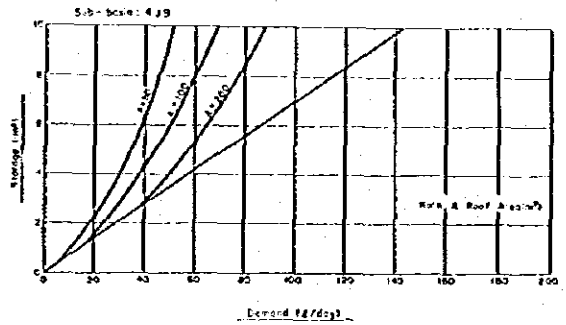
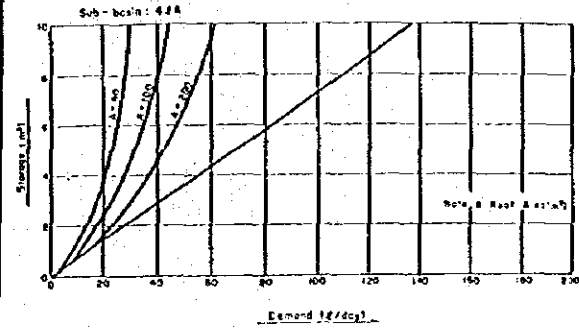
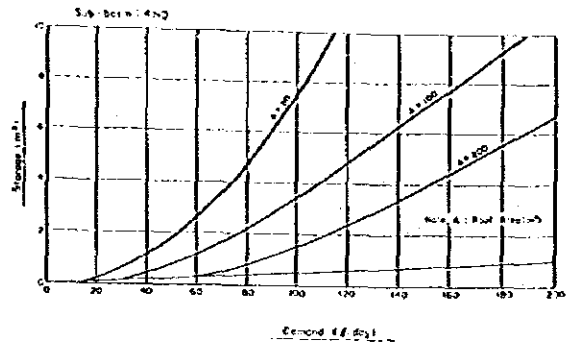
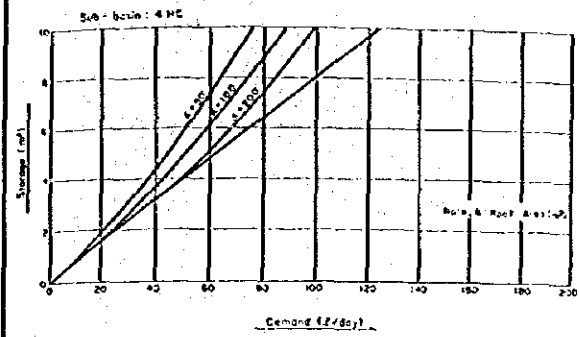
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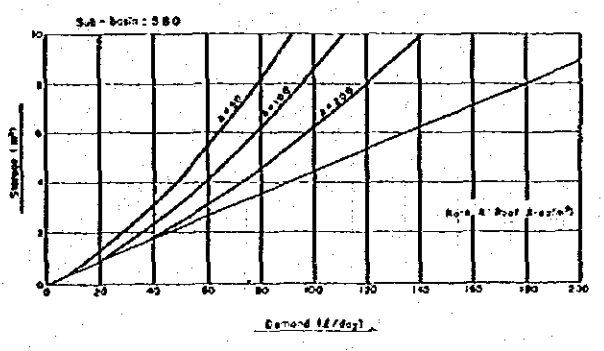
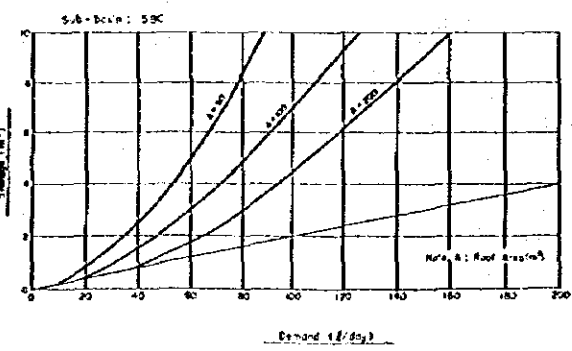
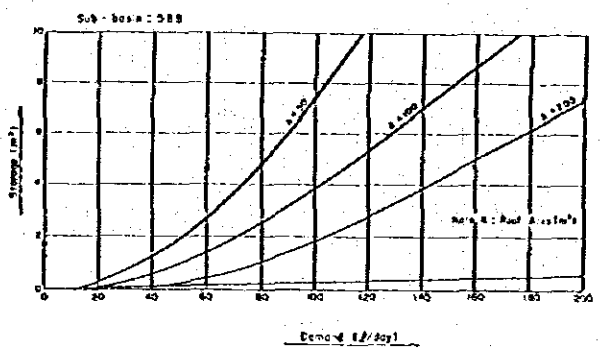
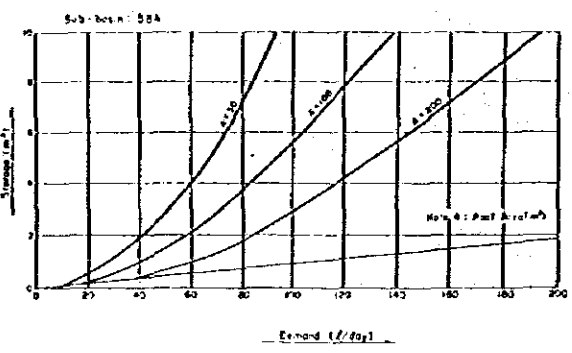
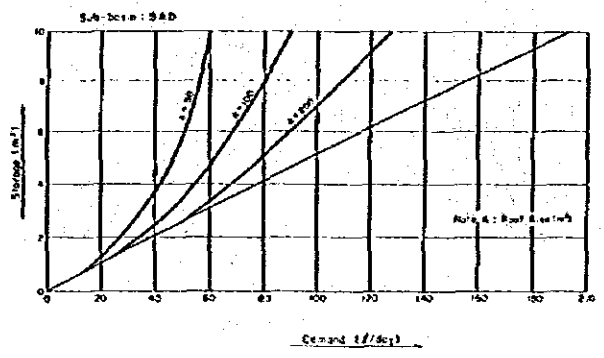
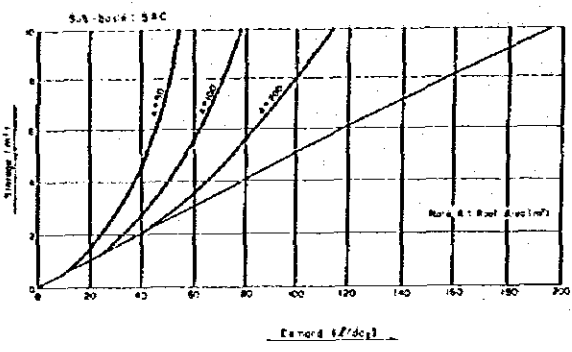
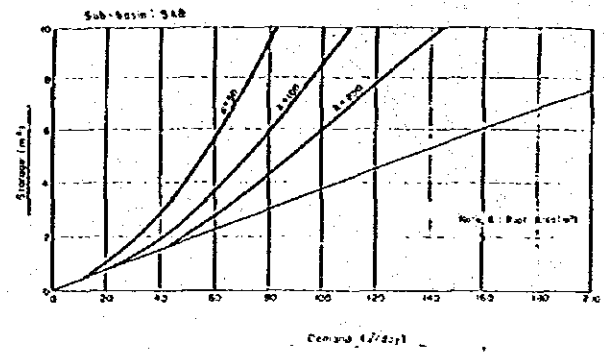
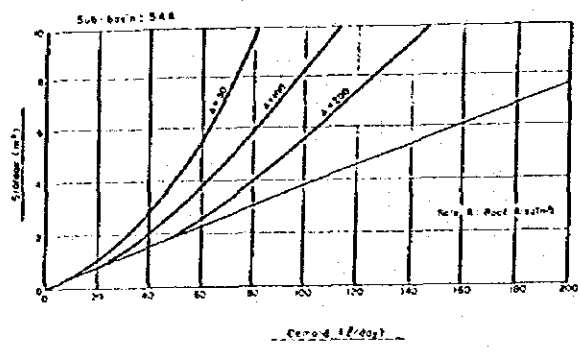
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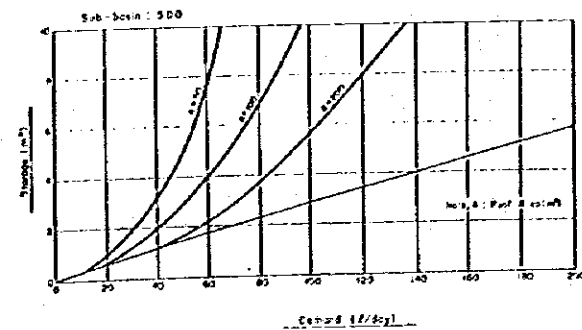
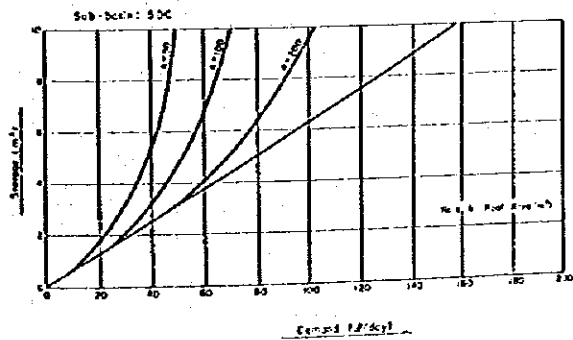
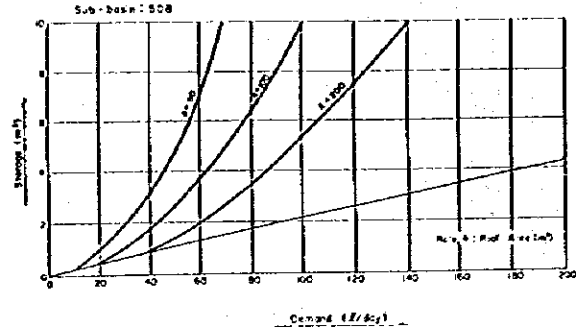
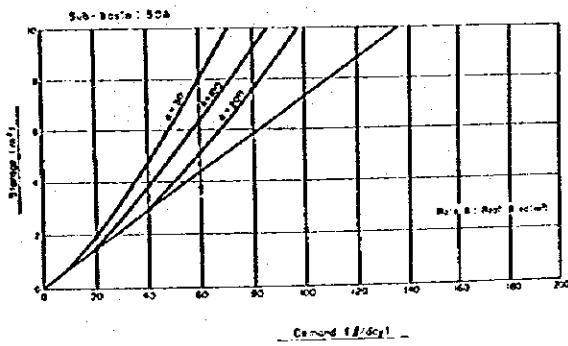
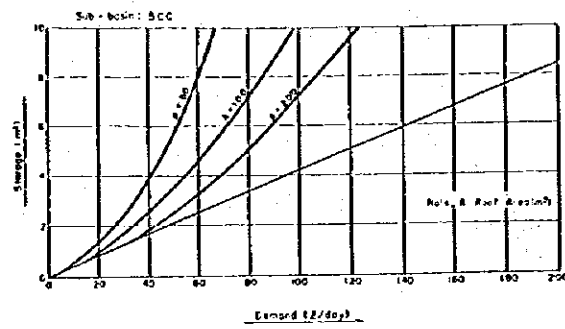
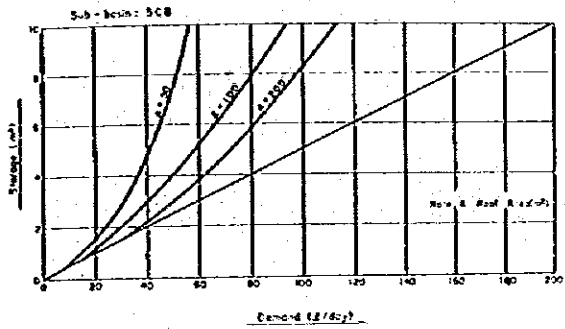
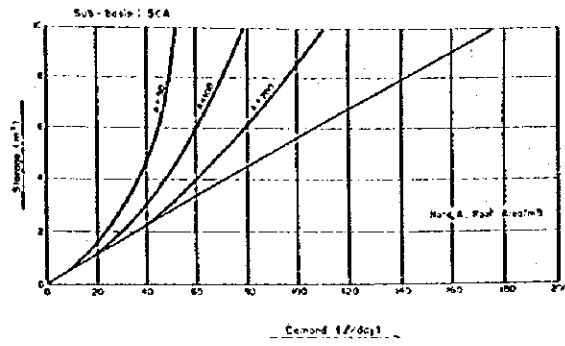
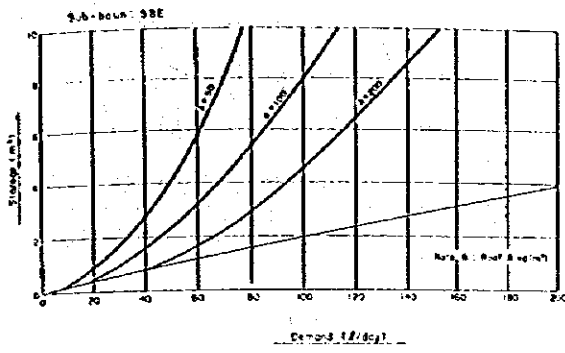
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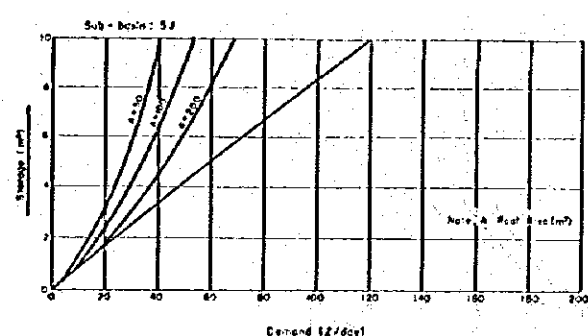
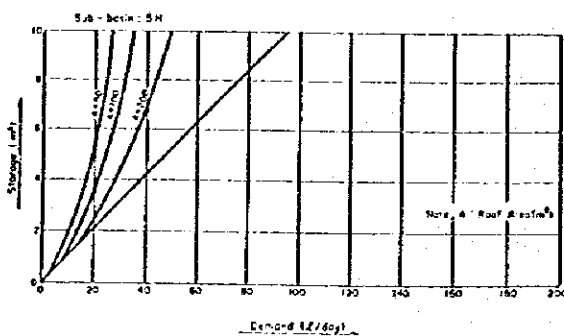
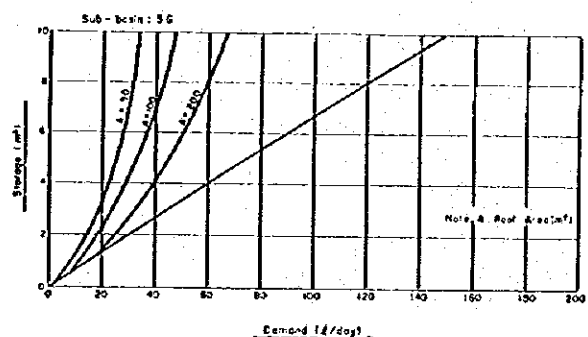
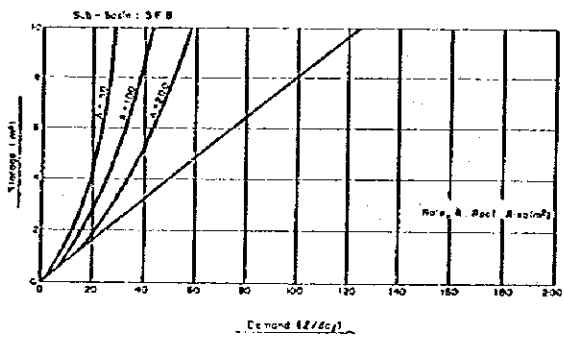
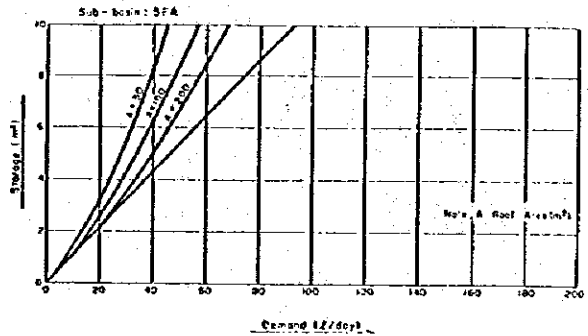
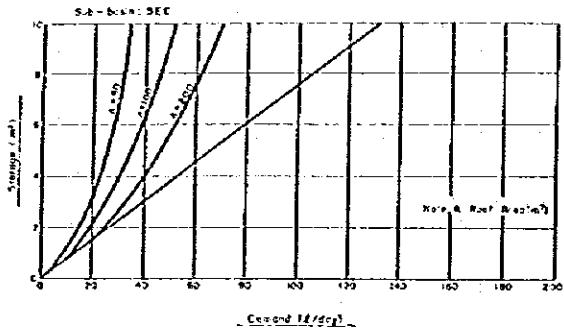
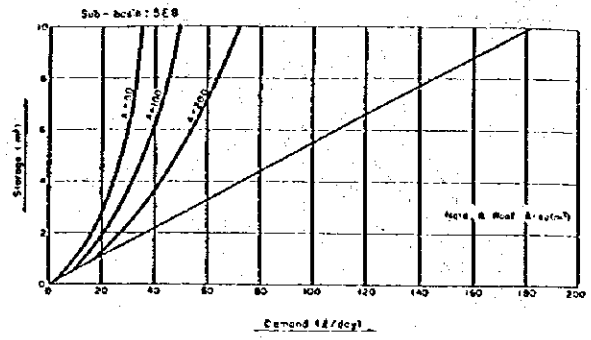
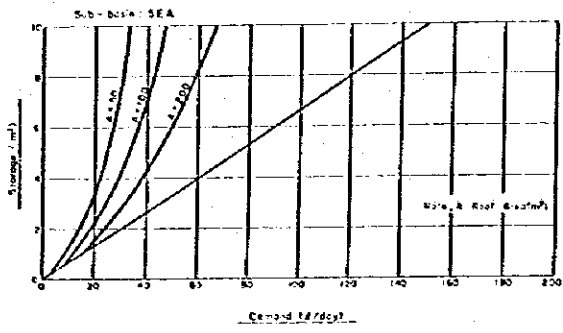
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APPENDIX M.3

WATER BALANCE CALCULATION OF AVAILABLE SURFACE WATER

NOTE

(1) ABBREVIATION IN THE TABLE

NATURALIZED FLOW (columns 1 to 3)

- Q_{ave} : Monthly average discharge for a period 30 years.
 Q_{min} : Minimum monthly discharge for a period of 30 years.
C.flow : Compensation flow to the downstream.

FLOW in 1990 (columns 4 and 5)

- Q_{ave} : Monthly average discharge after abstraction of demand in 1990
Def : Water deficit for 10-year probable drought after abstraction of water demand in 1990

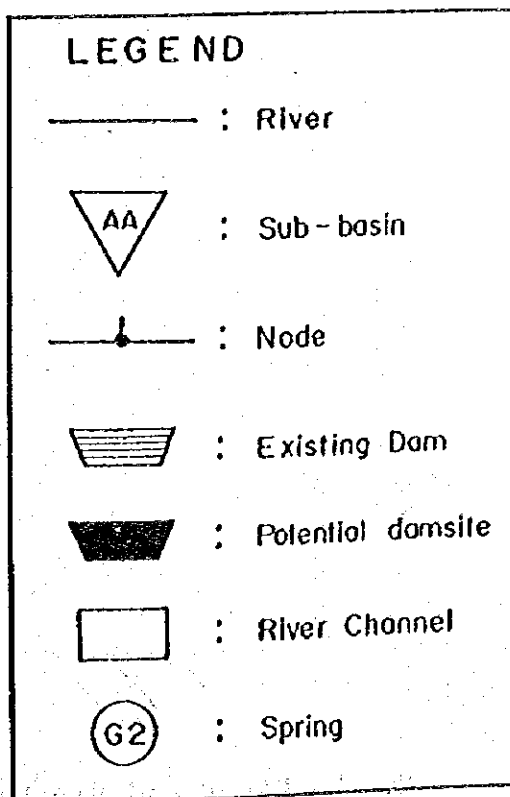
FLOW in 2000 (columns 6 and 7)

- Q_{ave} : Monthly average discharge after abstraction of demand in 2000
Def : Water deficit for 10-year probable drought after abstraction of water demand in 2000

FLOW in 2010 (columns 8 and 9)

- Q_{ave} : Monthly average discharge after abstraction of demand in 2010
Def : Water deficit for 10-year probable drought after abstraction of water demand in 2010

(2) LEGEND IN THE FIGURE



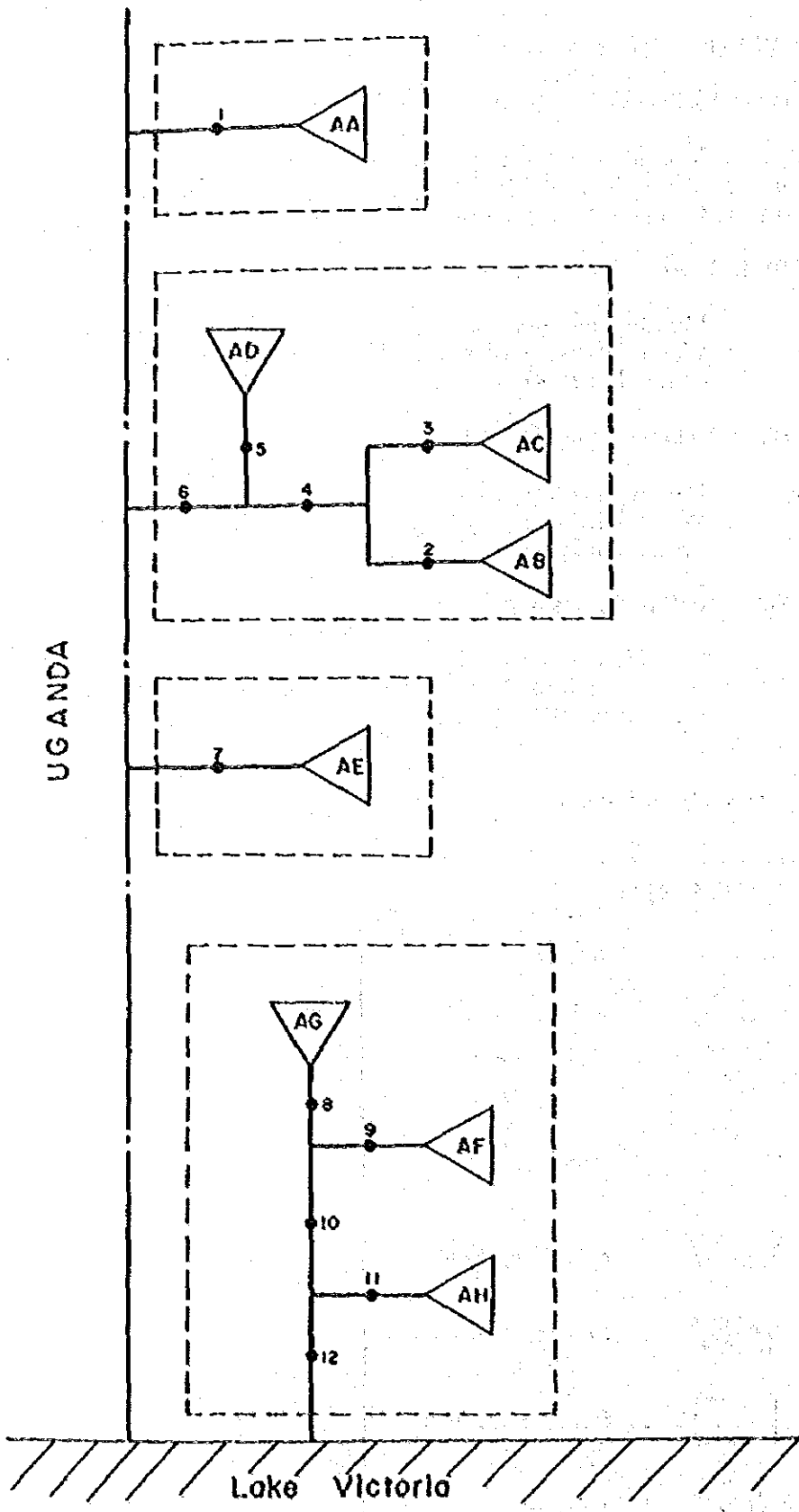


Figure 3.1 Tributaries of Malaba River and Sio River (Basin : 1A)

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Table 3.1 Tributaries of Malaba River and Sio River

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	1.58	.11	.10	1.55	-.03	1.53	-.04	1.51	-.07
2	1.89	.13	.12	1.85	-.02	1.83	-.05	1.79	-.08
3	.77	.05	.05	.74	-.03	.70	-.05	.66	-.05 *
4	2.78	.31	.17	2.69	.04	2.62	-.01	2.52	-.07
5	1.43	.09	.09	1.43	.00	1.43	.00	1.43	.00
6	4.21	.40	.26	4.12	.05	4.04	-.01	3.95	-.07
7	1.51	.03	.03	1.48	-.03	1.43	-.03	1.39	-.03 *
8	3.06	.05	.05	3.00	-.05	2.94	-.05	2.86	-.05 *
9	3.51	.06	.06	3.44	-.06	3.38	-.06	3.31	-.06 *
10	6.61	.16	.16	6.39	-.16	6.22	-.16	6.00	-.16 *
11	4.81	.08	.08	4.81	.00	4.81	.00	4.81	.00
12	11.42	.24	.24	11.20	-.16	11.03	-.16	10.81	-.16

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

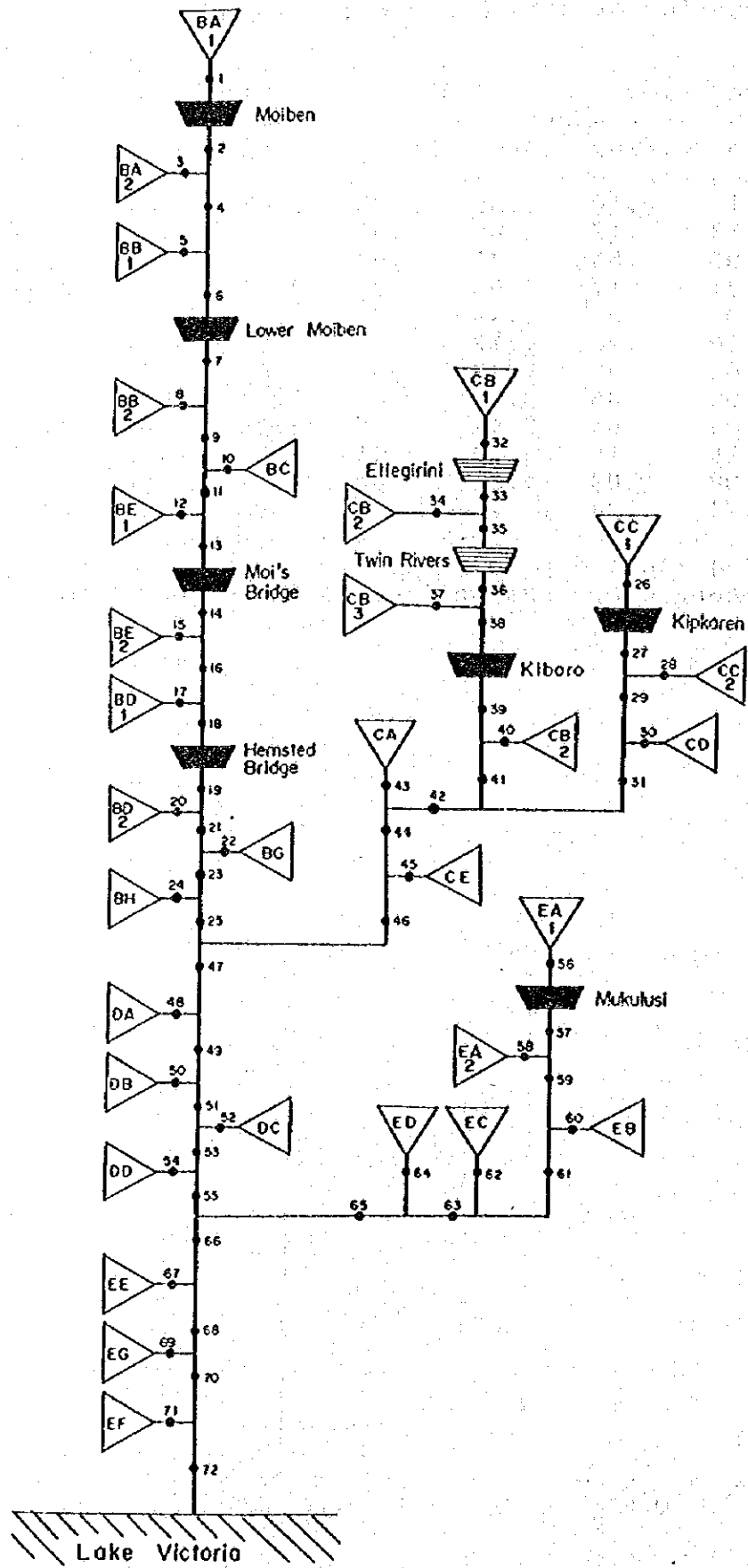


Figure 3.2 Nzoia River (Basin : 1B to 1E)

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Table 3.2 Nzoia River

Node	(Unit:cms)								
	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	.73	.28	.05	.69	.19	.68	.18	.64	.14
2	.73	.28	.05	.69	.19	.68	.18	.64	.14
3	1.71	.66	.11	1.71	.55	1.71	.55	1.71	.55
4	2.44	.94	.15	2.41	.75	2.39	.73	2.35	.70
5	2.11	.02	.01	2.11	.01	2.11	.01	2.11	.01
6	2.55	.96	.16	2.51	.76	2.49	.74	2.46	.71
7	2.55	.96	.16	2.51	.76	2.49	.74	2.46	.71
8	2.55	.96	.16	2.51	.76	2.49	.74	2.46	.71
9	8.28	1.04	.35	8.19	.65	8.15	.63	8.08	.59
10	7.93	2.00	.51	7.88	1.41	7.85	1.37	7.80	1.29
11	16.21	1.10	.49	16.07	.55	16.00	.53	15.88	.48
12	4.95	3.31	1.00	4.95	1.96	4.95	1.89	4.95	1.78
13	21.16	4.26	1.31	21.02	.81	20.95	.75	20.83	.63
14	21.16	4.26	1.31	21.02	.81	20.95	.75	20.83	.63
15	21.60	4.14	1.04	21.60	.10	21.60	.10	21.60	.10
16	21.76	4.40	1.35	21.50	.79	21.31	.60	21.02	.32
17	3.02	5.71	1.19	2.99	.49	2.98	.48	2.96	.46
18	24.78	5.12	1.54	24.48	.28	24.28	.08	23.98	.78
19	24.78	5.12	1.54	24.48	.28	24.28	.08	23.98	.78
20	24.70	5.16	1.04	24.70	.12	24.70	.12	24.70	.12
21	25.48	5.28	1.58	25.18	.41	24.98	.21	24.68	.90
22	5.87	1.23	.36	5.76	.77	5.67	.68	5.55	.55
23	31.34	6.51	1.94	30.94	.17	30.65	.38	30.23	.46
24	4.47	7.98	2.28	4.40	.63	4.36	.58	4.29	.52
25	35.82	7.49	2.22	35.35	.80	35.01	.46	34.52	.97
26	4.43	7.09	.03	4.38	.02	4.37	.00	4.34	.03
27	4.36	7.09	.03	4.36	.02	4.36	.00	4.34	.03
28	4.36	7.09	.03	4.36	.02	4.36	.00	4.34	.03
29	4.36	7.09	.03	4.36	.02	4.36	.00	4.34	.03
30	4.36	7.09	.03	4.36	.02	4.36	.00	4.34	.03
31	8.54	1.80	.53	8.46	.20	8.43	.17	8.38	.12
32	8.33	1.09	.02	8.38	.07	8.38	.07	8.38	.07
33	8.33	1.09	.02	8.38	.07	8.38	.07	8.38	.07
34	1.45	1.36	.09	1.45	.27	1.45	.27	1.45	.27
35	1.11	1.46	.11	1.11	.35	1.11	.35	1.11	.35
36	1.11	1.46	.11	1.11	.35	1.11	.35	1.11	.35
37	1.11	1.46	.11	1.11	.35	1.11	.35	1.11	.35
38	3.65	1.91	.23	3.38	.41	3.05	.08	2.63	.23
39	3.65	1.91	.23	3.38	.41	3.05	.08	2.63	.23
40	3.65	1.91	.23	3.38	.41	3.05	.08	2.63	.23
41	4.00	1.09	.02	3.75	.07	3.37	.07	3.01	.16
42	12.57	2.81	.78	12.22	.68	11.86	.32	11.39	.96
43	3.33	1.01	.21	3.30	.76	3.28	.75	3.26	.72
44	15.99	3.81	.99	15.51	.44	15.15	.07	14.64	.68
45	11.11	3.34	.07	11.13	.27	11.13	.27	11.13	.27
46	17.02	4.15	1.06	16.62	.69	16.25	.31	15.73	.91
47	52.84	11.64	3.28	51.97	.74	51.26	.67	50.25	.88
48	4.21	7.74	2.26	4.21	.48	4.21	.48	4.21	.48
49	57.05	12.38	3.54	56.11	.90	55.35	.74	54.28	.64
50	5.64	3.99	.35	5.64	.64	5.64	.64	5.64	.64
51	62.69	13.37	3.89	61.62	.41	60.74	.54	59.52	.42
52	33.92	14.73	4.20	33.17	.47	33.14	.44	33.10	.39
53	65.92	14.10	4.09	64.79	.88	63.89	.98	62.62	.81
54	33.12	14.68	4.19	33.12	.49	33.12	.49	33.12	.49
55	69.03	14.77	4.28	67.81	.27	66.82	.29	65.45	.02
56	8.59	5.53	.03	8.59	.03	8.59	.03	8.59	.03
57	8.59	5.53	.03	8.59	.03	8.59	.03	8.59	.03
58	8.59	5.53	.03	8.59	.03	8.59	.03	8.59	.03
59	8.59	5.53	.03	8.59	.03	8.59	.03	8.59	.03
60	10.88	7.70	.67	10.76	.02	10.72	.06	10.67	.11
61	9.58	6.62	.59	9.58	.03	9.58	.03	9.58	.03
62	20.39	1.33	1.26	20.19	.13	20.02	.30	19.80	.52
63	25.46	1.60	1.34	25.42	.22	25.41	.21	25.38	.18
64	25.85	1.92	1.60	25.62	.09	25.43	.09	25.18	.34
65	22.79	1.17	.13	22.79	.13	22.79	.13	22.79	.13
66	28.64	2.23	1.78	28.37	.18	28.16	.04	27.87	.32
67	8.76	17.00	6.06	8.76	.41	8.76	.41	8.76	.41
68	106.43	17.96	6.60	104.86	.79	103.64	.57	101.93	.96
69	111.88	11.29	7.74	111.88	.55	111.88	.55	111.88	.55
70	118.31	19.25	7.33	116.60	.21	115.31	.93	113.50	.72
71	8.41	7.92	5.52	8.41	.40	8.41	.40	8.41	.40
72	126.71	20.17	7.86	124.95	.54	123.64	.23	121.79	.49

Note : Marked (*) means dry up.
C.flow means compensation flow to the downstream.

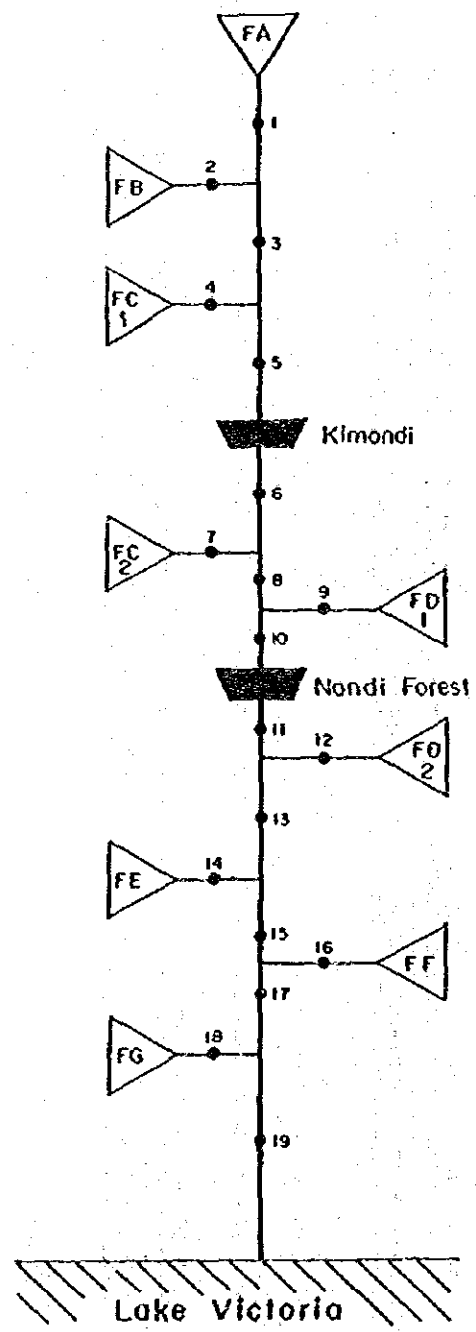


Figure 3.3 Yala River (Basin 1F)

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Table 3.3 Yala River

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	1.99	.55	.12	1.97	.42	1.97	.41	1.96	.40
2	5.57	.72	.35	5.57	.37	5.57	.37	5.57	.37
3	7.56	1.27	.47	7.52	.76	7.50	.74	7.46	.70
4	.94	.12	.06	.94	.06	.94	.06	.94	.06
5	8.51	1.40	.53	8.46	.82	8.44	.80	8.40	.76
6	8.51	1.40	.53	8.46	.82	8.44	.80	8.40	.76
7	3.07	.40	.19	3.07	.21	3.07	.21	3.07	.21
8	11.58	1.79	.72	11.49	.99	11.44	.94	11.37	.87
9	3.84	.75	.24	3.77	.44	3.74	.40	3.68	.34
10	15.42	2.54	.96	15.27	1.43	15.18	1.34	15.05	1.21
11	15.42	2.54	.96	15.27	1.43	15.18	1.34	15.05	1.21
12	.27	.05	.02	.27	.03	.27	.03	.27	.03
13	15.68	2.59	.97	15.53	1.47	15.45	1.38	15.32	1.25
14	8.70	1.40	.54	8.70	.86	8.70	.86	8.70	.86
15	24.39	3.99	1.51	24.07	2.16	23.90	2.00	23.64	1.74
16	3.63	.58	.23	3.49	.22	3.42	.14	3.30	.02
17	28.02	4.58	1.74	27.41	2.22	27.11	1.92	26.62	1.44
18	13.08	2.11	.81	13.08	1.30	13.08	1.30	13.08	1.30
19	41.10	6.68	2.55	40.49	3.52	40.19	3.22	39.71	2.74

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

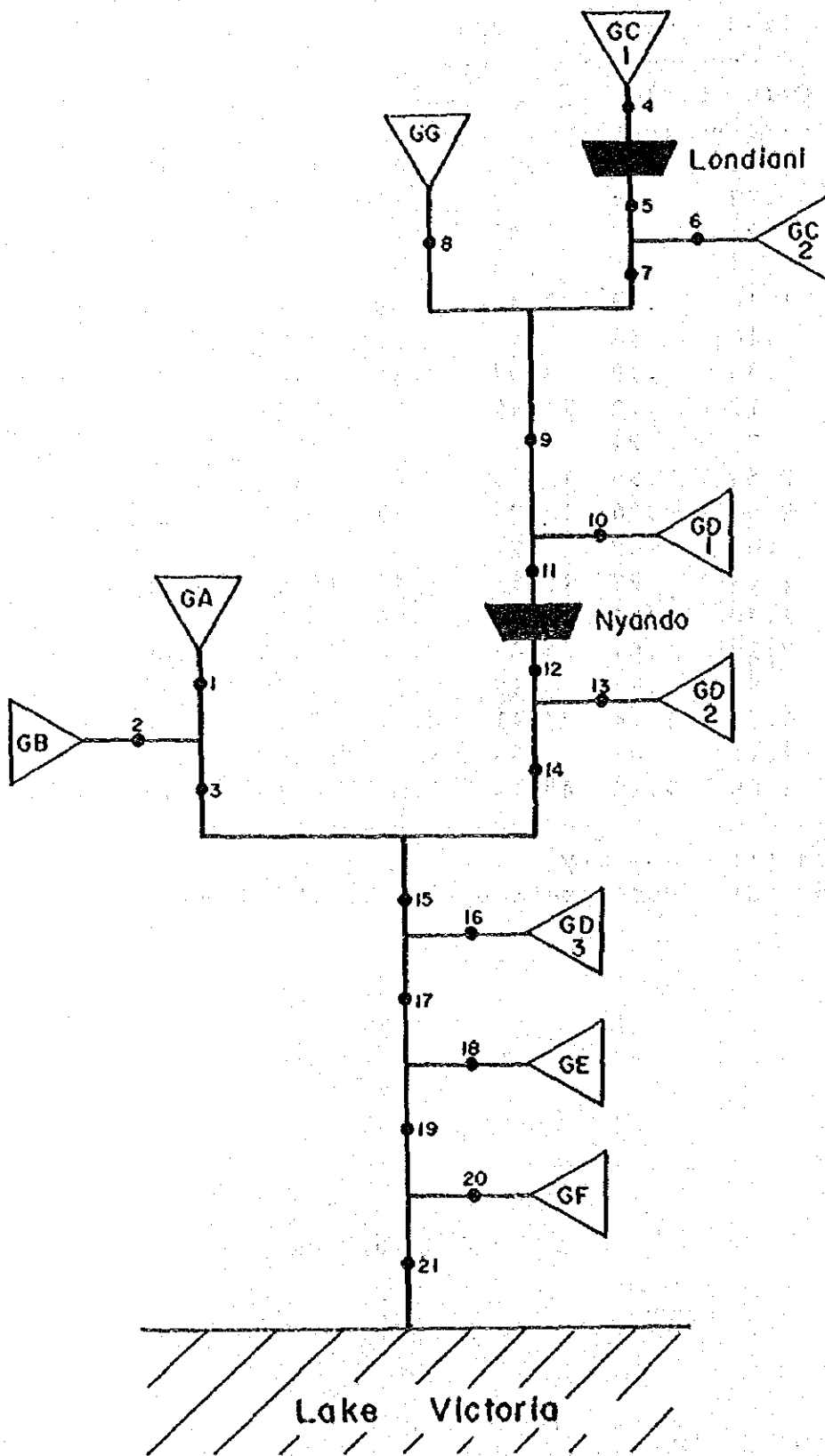


Figure 3.4 Nyando River
(Basin : 1G)

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Table 3.4 Nyando River

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	2.10	.41	.13	2.08	.25	2.07	.24	2.05	.22
2	2.41	.43	.15	2.41	.28	2.41	.28	2.41	.28
3	4.70	1.02	.29	4.62	.65	4.59	.62	4.53	.56
4	.49	.01	.01	.49	.00	.49	.00	.49	.00
5	.49	.01	.01	.49	.00	.49	.00	.49	.00
6	5.83	.15	.15	5.83	.00	5.83	.00	5.83	.00
7	6.49	.34	.34	6.41	-.08	6.37	-.13	6.29	-.20
8	2.59	.07	.07	2.56	-.03	2.55	-.05	2.52	-.07 *
9	9.09	.41	.41	8.97	-.12	8.91	-.17	8.82	-.27
10	.58	.02	.02	.58	.00	.58	.00	.58	.00
11	9.67	.55	.55	9.55	-.11	9.50	-.17	9.40	-.27
12	9.67	.55	.55	9.55	-.11	9.50	-.17	9.40	-.27
13	2.40	.09	.09	2.40	.00	2.40	.00	2.40	.00
14	12.13	1.22	.75	11.97	.31	11.89	.23	11.75	.09
15	16.84	2.34	1.04	16.55	1.02	16.41	.87	16.17	.63
16	2.45	.09	.09	2.45	.00	2.45	.00	2.45	.00
17	19.34	2.67	1.20	19.00	1.13	18.84	.97	18.56	.69
18	2.58	.04	.04	2.58	.00	2.58	.00	2.58	.00
19	21.93	4.02	1.36	21.55	2.28	21.38	2.11	21.07	1.80
20	1.71	.02	.02	1.71	.00	1.71	.00	1.71	.00
21	23.64	4.79	1.47	23.26	2.94	23.09	2.77	22.79	2.47

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

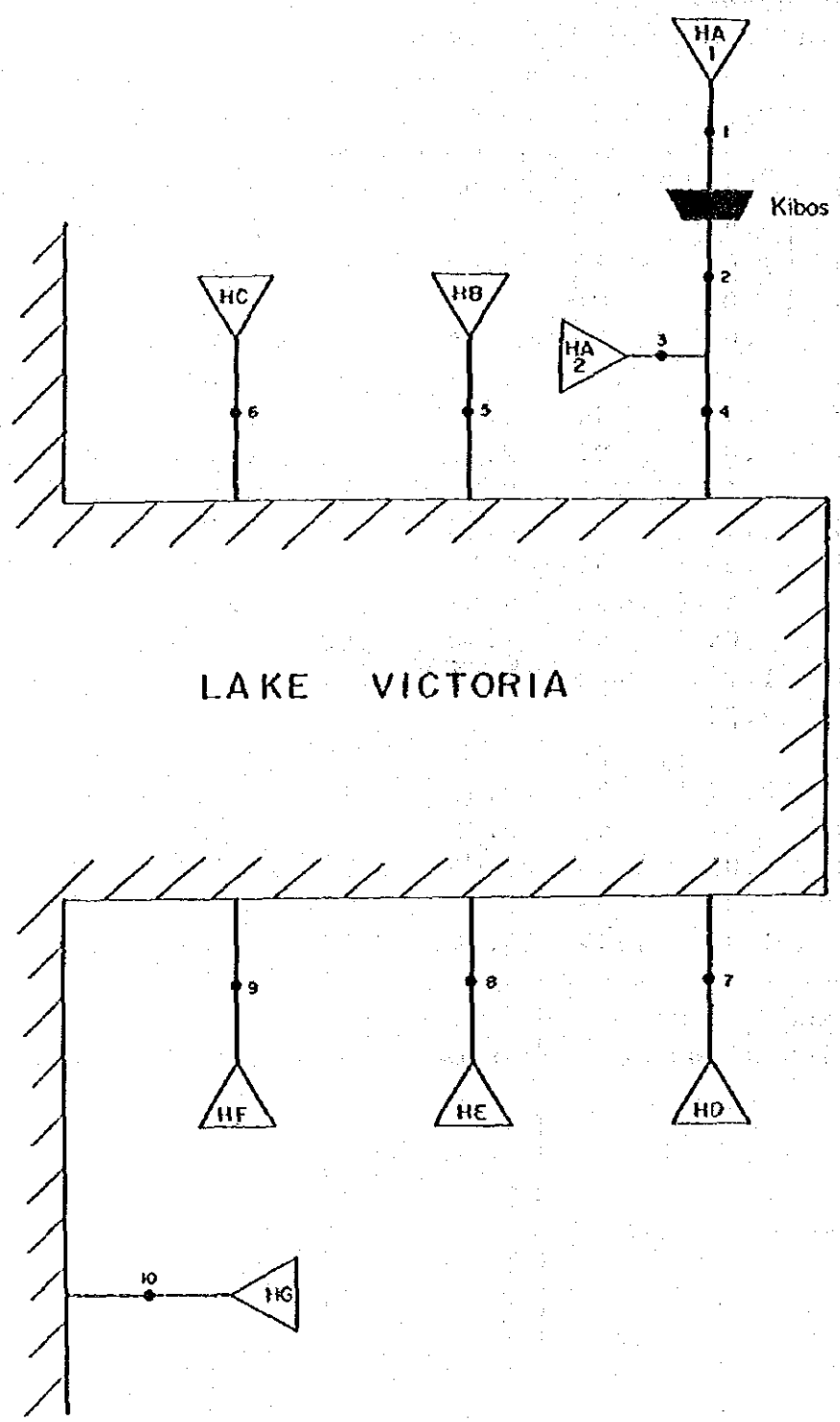


Figure 3.5 Lake Shore of the Lake Victoria
(Basin : 111)

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Table 3.5 Lake Shore of the Lake Victoria

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	2.25	.25	.14	2.25	.11	2.25	.11	2.25	.11
2	2.25	.25	.14	2.25	.11	2.25	.11	2.25	.11
3	8.68	.95	.54	8.68	.41	8.68	.41	8.68	.41
4	10.93	1.20	.68	10.64	.23	10.39	-.02	10.06	-.34
5	8.49	1.08	.53	8.16	.22	7.91	-.02	7.58	-.35
6	5.33	.90	.33	5.29	.52	5.27	.51	5.25	.49
7	9.66	1.10	.60	9.50	.33	9.44	.27	9.33	.17
8	8.52	1.10	.53	8.37	.42	8.31	.36	8.19	.24
9	7.34	1.16	.45	7.26	.64	7.20	.58	7.14	.52
10	2.55	.55	.16	2.54	.37	2.53	.37	2.53	.36

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

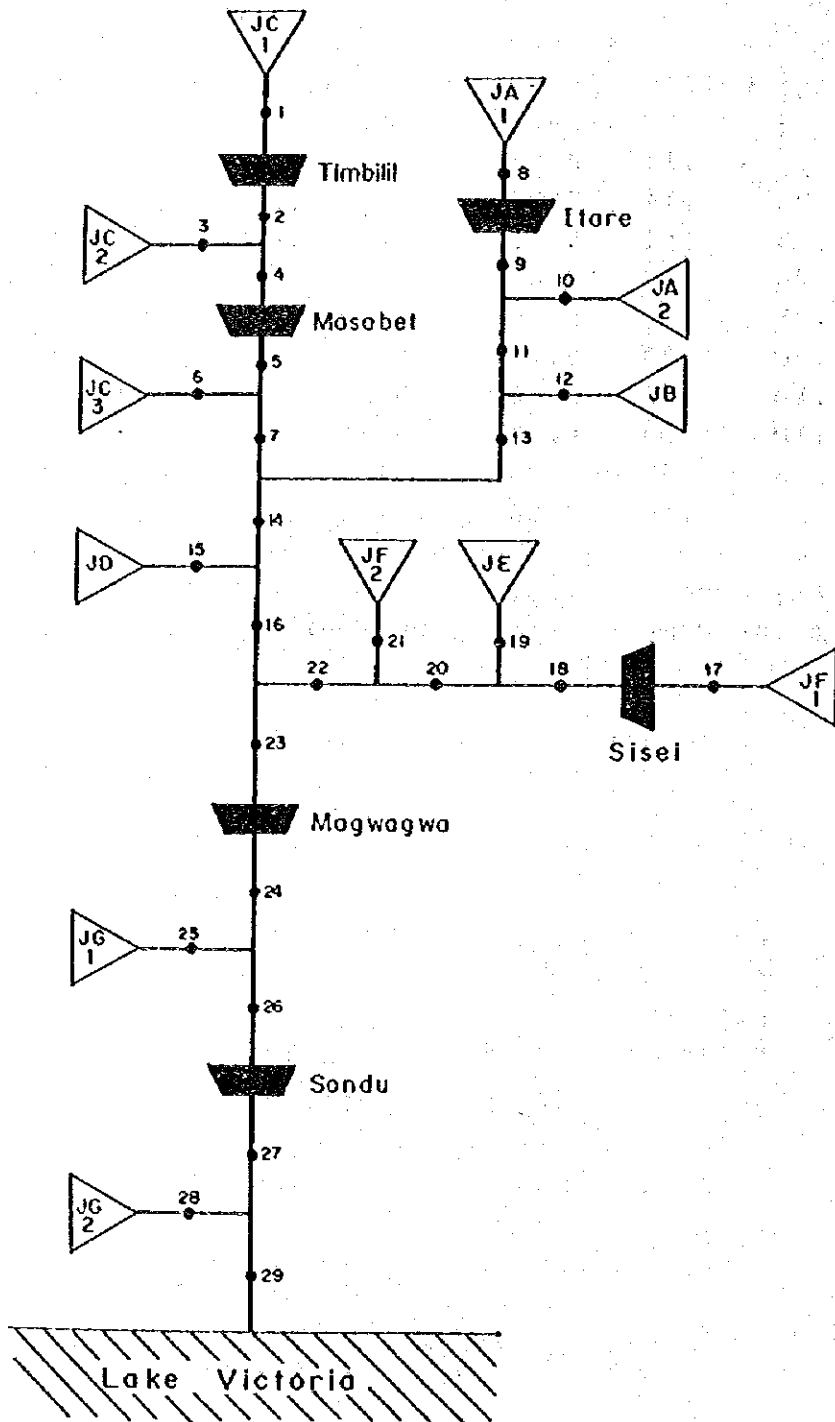


Figure 3.6 Sondu River
(Basin : 1J)

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Table 3.6 Sondu River

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	.55	.06	.03	.55	.03	.55	.03	.55	.03
2	.55	.06	.03	.55	.03	.55	.03	.55	.03
3	1.76	.20	.11	1.76	.09	1.76	.09	1.76	.09
4	2.31	.26	.14	2.31	.12	2.31	.12	2.31	.12
5	2.31	.26	.14	2.31	.12	2.31	.12	2.31	.12
6	3.36	.38	.21	3.36	.17	3.36	.17	3.36	.17
7	5.67	.65	.35	5.59	.21	5.50	.13	5.40	.02
8	3.80	.26	.24	3.80	.02	3.80	.02	3.80	.02
9	3.80	.26	.24	3.80	.02	3.80	.02	3.80	.02
10	11.58	.80	.72	11.58	.08	11.58	.08	11.58	.08
11	15.38	1.06	.95	15.33	.07	15.30	.04	15.25	-.02
12	5.44	.61	.34	5.44	.27	5.44	.27	5.44	.27
13	20.83	1.68	1.29	20.75	.31	20.71	.27	20.63	.19
14	26.50	2.32	1.64	26.34	.52	26.21	.39	26.02	.21
15	3.56	.41	.22	3.56	.19	3.56	.19	3.56	.19
16	30.06	2.73	1.86	29.84	.64	29.66	.47	29.41	.22
17	7.92	.75	.49	7.83	.17	7.79	.12	7.71	.05
18	7.92	.75	.49	7.83	.17	7.79	.12	7.71	.05
19	5.74	.94	.36	5.67	.51	5.64	.48	5.60	.44
20	13.66	1.68	.85	13.50	.67	13.43	.60	13.32	.49
21	6.38	.60	.40	6.38	.20	6.38	.20	6.38	.20
22	20.04	2.29	1.24	19.81	.81	19.71	.71	19.54	.54
23	50.11	5.02	3.11	49.65	1.45	49.37	1.17	48.95	.75
24	50.11	5.02	3.11	49.65	1.45	49.37	1.17	48.95	.75
25	2.95	.34	.18	2.95	.16	2.95	.16	2.95	.16
26	53.05	5.35	3.29	52.54	1.55	52.25	1.26	51.79	.80
27	53.05	5.35	3.29	52.54	1.55	52.25	1.26	51.79	.80
28	2.28	.26	.14	2.28	.12	2.28	.12	2.28	.12
29	55.33	5.61	3.43	54.82	1.67	54.52	1.38	54.07	.92

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

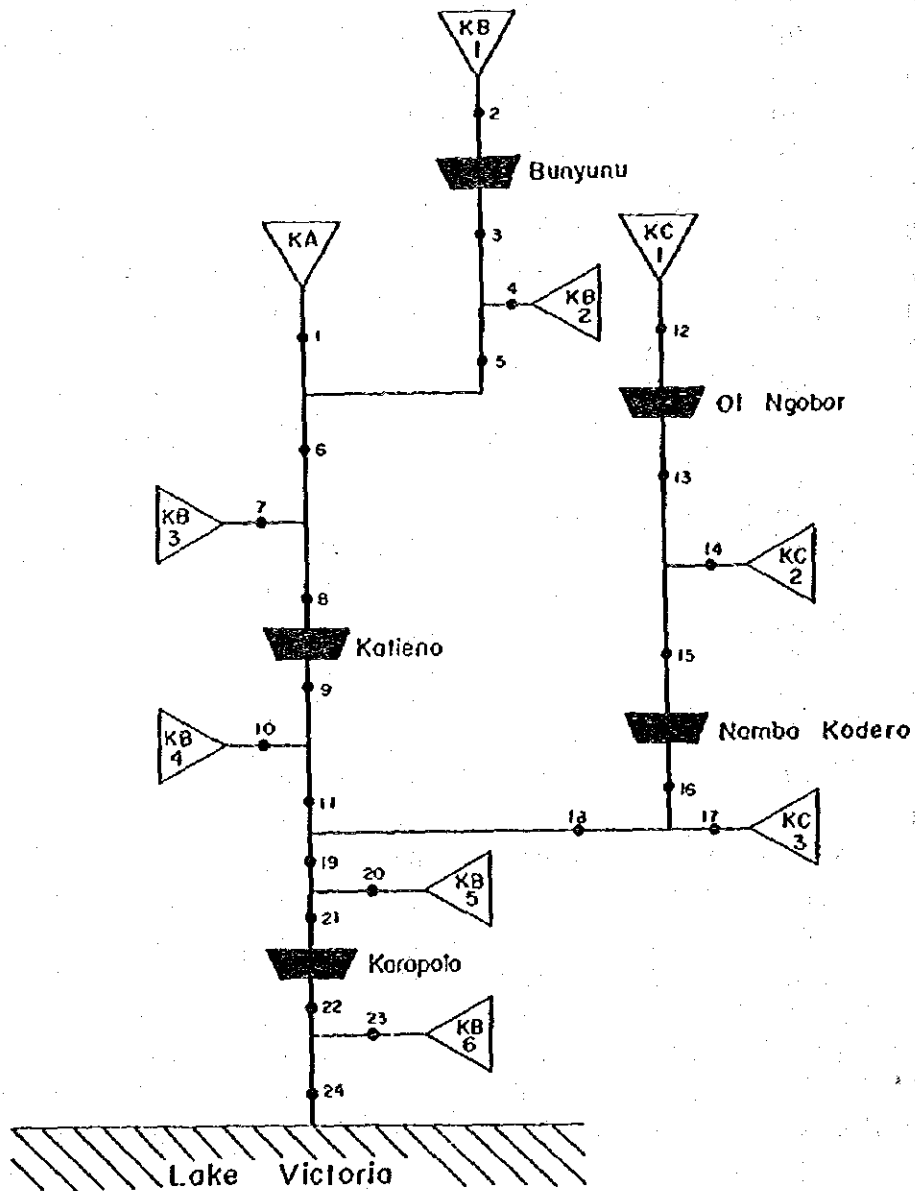


Figure 3.7 Kuja River
(Basin : 1K)

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Table 3.7 Kuja River

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	7.01	.77	.43	6.83	.17	6.72	.05	6.56	-.10
2	1.12	.13	.07	1.10	.04	1.10	.04	1.08	.02
3	1.12	.13	.07	1.10	.04	1.10	.04	1.08	.02
4	6.25	.74	.39	6.25	.35	6.25	.35	6.25	.35
5	7.38	.87	.46	7.25	.28	7.20	.23	7.11	.14
6	14.39	1.65	.89	14.08	.45	13.91	.28	13.67	.04
7	16.42	1.94	1.02	16.42	.92	16.42	.92	16.42	.92
8	30.81	3.59	1.91	30.21	1.08	29.93	.80	29.49	.37
9	30.81	3.59	1.91	30.21	1.08	29.93	.80	29.49	.37
10	5.82	.69	.36	5.82	.33	5.82	.33	5.82	.33
11	36.63	4.28	2.27	35.93	1.31	35.61	.99	35.10	.48
12	7.40	1.39	.46	7.29	.82	7.24	.77	7.17	.70
13	7.40	1.39	.46	7.29	.82	7.24	.77	7.17	.70
14	9.12	1.71	.57	8.99	1.01	8.92	.94	8.84	.86
15	16.51	3.10	1.02	16.27	1.84	16.15	1.72	16.01	1.57
16	16.51	3.10	1.02	16.27	1.84	16.15	1.72	16.01	1.57
17	.77	.14	.05	.76	.08	.75	.08	.75	.07
18	17.28	3.25	1.07	17.03	1.92	16.91	1.80	16.75	1.64
19	53.91	7.53	3.34	52.96	3.23	52.52	2.79	51.85	2.13
20	.26	.03	.02	.26	.01	.26	.01	.26	.01
21	54.18	7.56	3.36	53.22	3.24	52.78	2.80	52.12	2.14
22	54.18	7.56	3.36	53.22	3.24	52.78	2.80	52.12	2.14
23	3.47	.41	.22	3.47	.19	3.47	.19	3.47	.19
24	57.65	7.97	3.57	56.69	3.44	56.25	3.00	55.59	2.34

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

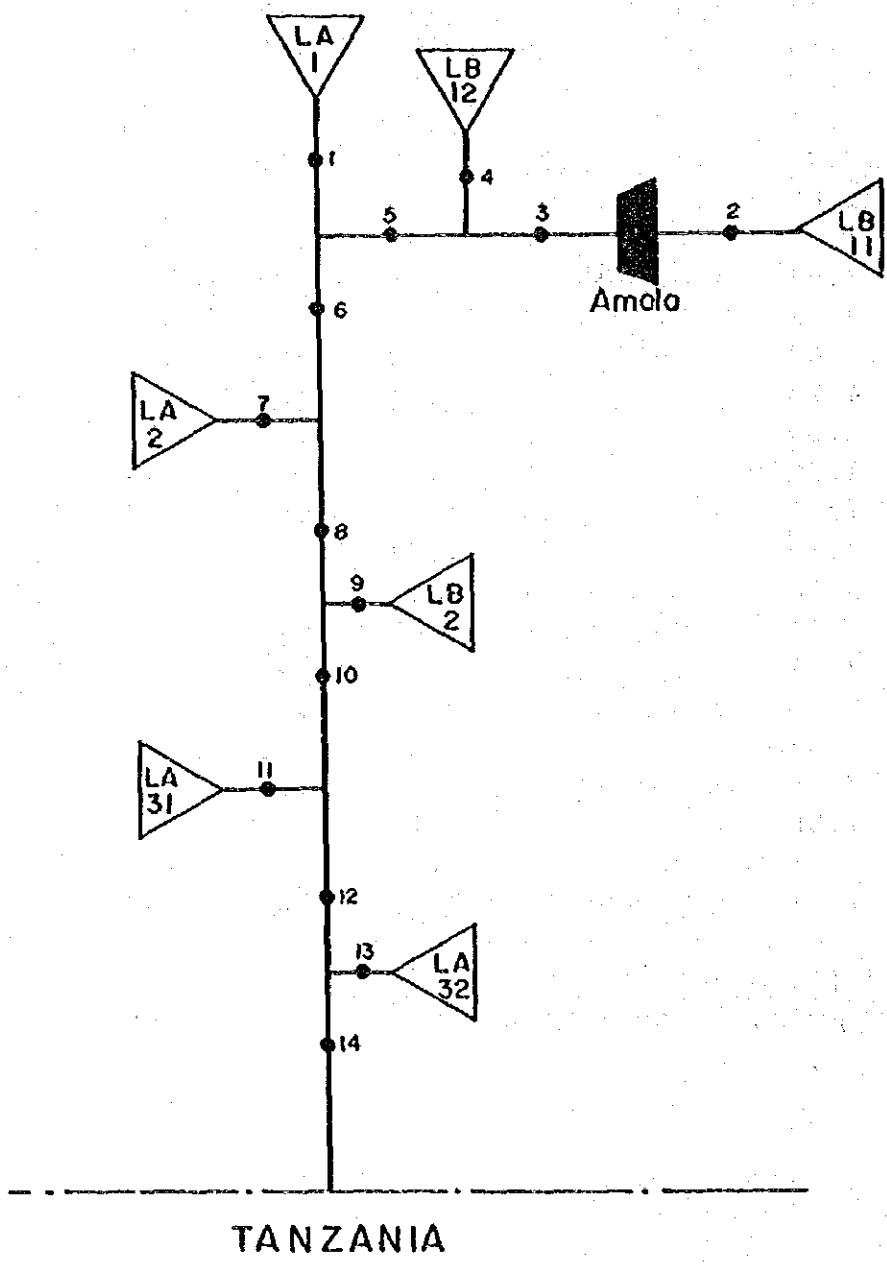


Figure 3.8 Mara River (Basin : 1L)

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Table 3.8 Mara River

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	13.55	1.18	.84	13.47	.26	13.44	.23	13.37	.16
2	6.16	.59	.38	6.16	.21	6.16	.21	6.16	.21
3	6.16	.59	.38	6.16	.21	6.16	.21	6.16	.21
4	12.63	1.21	.78	12.63	.43	12.63	.43	12.63	.43
5	18.78	1.80	1.16	18.78	.64	18.78	.64	18.78	.64
6	32.33	2.98	2.00	32.17	.82	32.10	.74	31.96	.60
7	4.09	1.13	.25	4.09	.88	4.09	.88	4.09	.88
8	36.42	4.11	2.26	36.23	1.66	36.13	1.56	35.98	1.41
9	11.07	3.07	.69	11.04	2.35	11.03	2.34	11.02	2.32
10	47.49	7.18	2.94	47.27	4.01	47.16	3.91	47.00	3.74
11	2.60	.72	.16	2.60	.56	2.60	.56	2.60	.56
12	50.09	7.90	3.11	49.84	4.53	49.72	4.41	49.54	4.23
13	9.17	2.54	.57	9.17	1.97	9.17	1.97	9.17	1.97
14	59.26	10.44	3.67	59.01	6.52	58.89	6.39	58.71	6.22

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

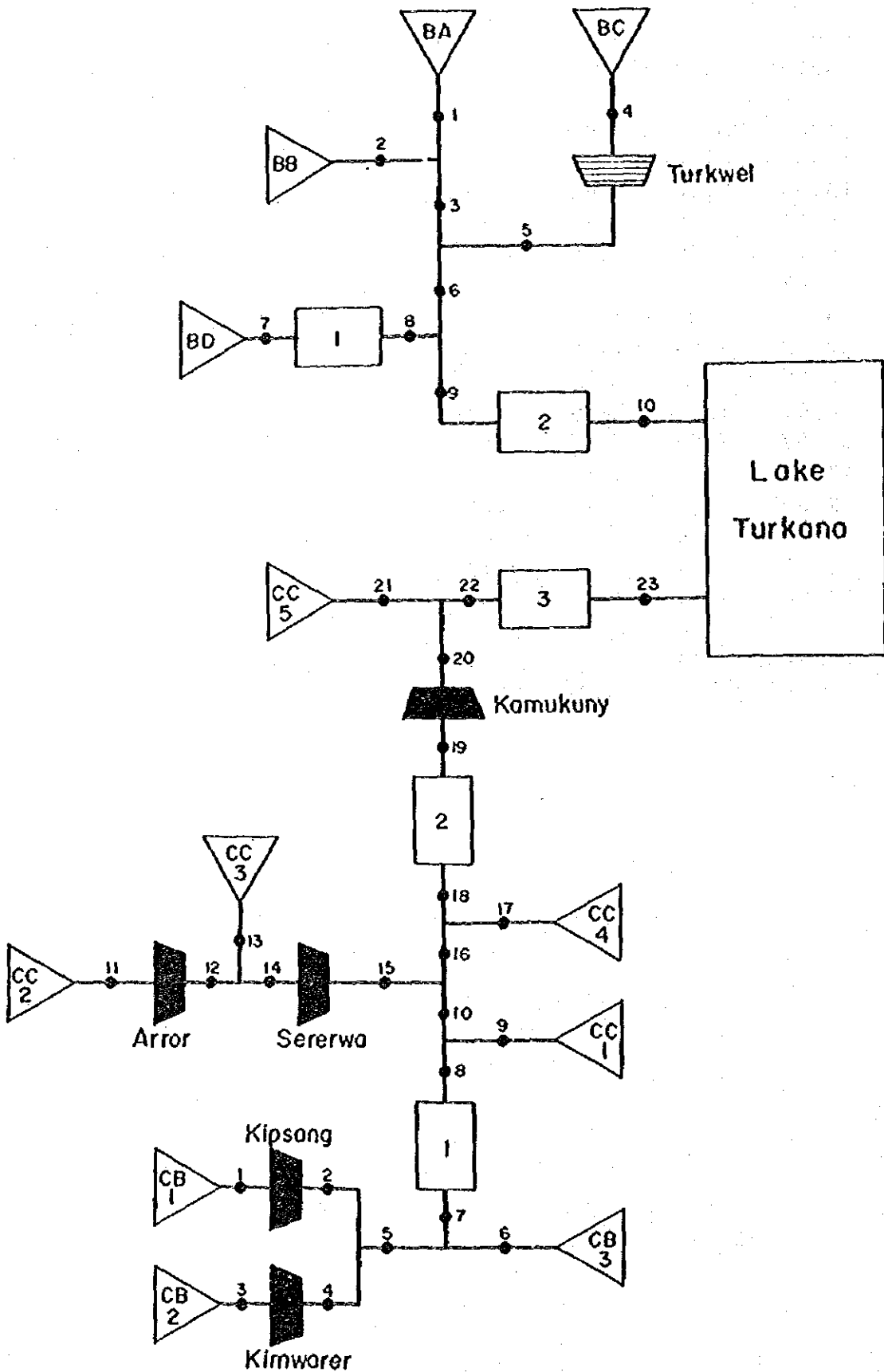


Figure 3.9 Turkwel and Kerio Rivers (Basin : 2B and 2C)

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Table 3.9.1 Turkwel River

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	6.03	.09	.09	6.00	-.03	5.99	-.04	5.97	-.06
2	7.54	.43	.43	7.52	-.02	7.52	-.03	7.51	-.03
3	13.57	4.65	.84	13.52	3.76	13.51	3.75	13.48	3.72
4	14.29	.40	.40	14.22	-.07	14.18	-.11	14.14	-.15
5	14.29	.40	.40	14.22	-.07	14.18	-.11	14.14	-.15
6	27.86	5.87	1.73	27.65	3.93	27.52	3.80	27.33	3.61
7	6.83	.53	.42	6.83	.11	6.83	.11	6.83	.11
8	.00	.00	.00	.00	.00	.00	.00	.00	.00 *
9	27.86	5.87	1.73	27.65	3.93	27.52	3.80	27.33	3.61
10	13.66	2.27	.85	13.55	1.32	13.48	1.25	13.39	1.15

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

Table 3.9.2 Kerio River

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	.73	.04	.04	.73	.00	.73	.00	.73	.00
2	.73	.04	.04	.73	.00	.73	.00	.73	.00
3	1.77	.09	.09	1.77	.00	1.77	.00	1.77	.00
4	1.77	.09	.09	1.77	.00	1.77	.00	1.77	.00
5	2.49	.12	.12	2.49	.00	2.49	.00	2.49	.00
6	32.70	.32	.32	32.60	-.10	32.54	-.16	32.46	-.24
7	35.20	1.05	1.05	35.09	-.10	35.04	-.15	34.96	-.24
8	31.47	.79	.79	31.38	-.10	31.33	-.15	31.25	-.22
9	5.45	.04	.04	5.45	.00	5.45	.00	5.45	.00
10	36.92	.83	.83	36.83	-.10	36.78	-.15	36.71	-.22
11	.39	.02	.02	.39	.00	.39	.00	.39	.00
12	.39	.02	.02	.39	.00	.39	.00	.39	.00
13	1.66	.08	.08	1.66	.00	1.66	.00	1.66	.00
14	2.04	.10	.10	2.04	.00	2.04	.00	2.04	.00
15	2.04	.10	.10	2.04	.00	2.04	.00	2.04	.00
16	38.96	1.42	1.42	38.78	-.18	38.67	-.29	38.51	-.45
17	1.60	.12	.10	1.60	.02	1.60	.02	1.60	.02
18	40.56	2.14	2.14	40.37	-.18	40.27	-.29	40.11	-.45
19	31.60	1.35	1.35	31.46	-.15	31.38	-.23	31.25	-.35
20	31.60	1.35	1.35	31.46	-.15	31.38	-.23	31.25	-.35
21	2.79	.22	.17	2.79	.05	2.79	.05	2.79	.05
22	34.40	2.16	2.13	34.25	-.11	34.17	-.20	34.04	-.32
23	21.46	.81	.81	21.36	-.09	21.31	-.14	21.23	-.22

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

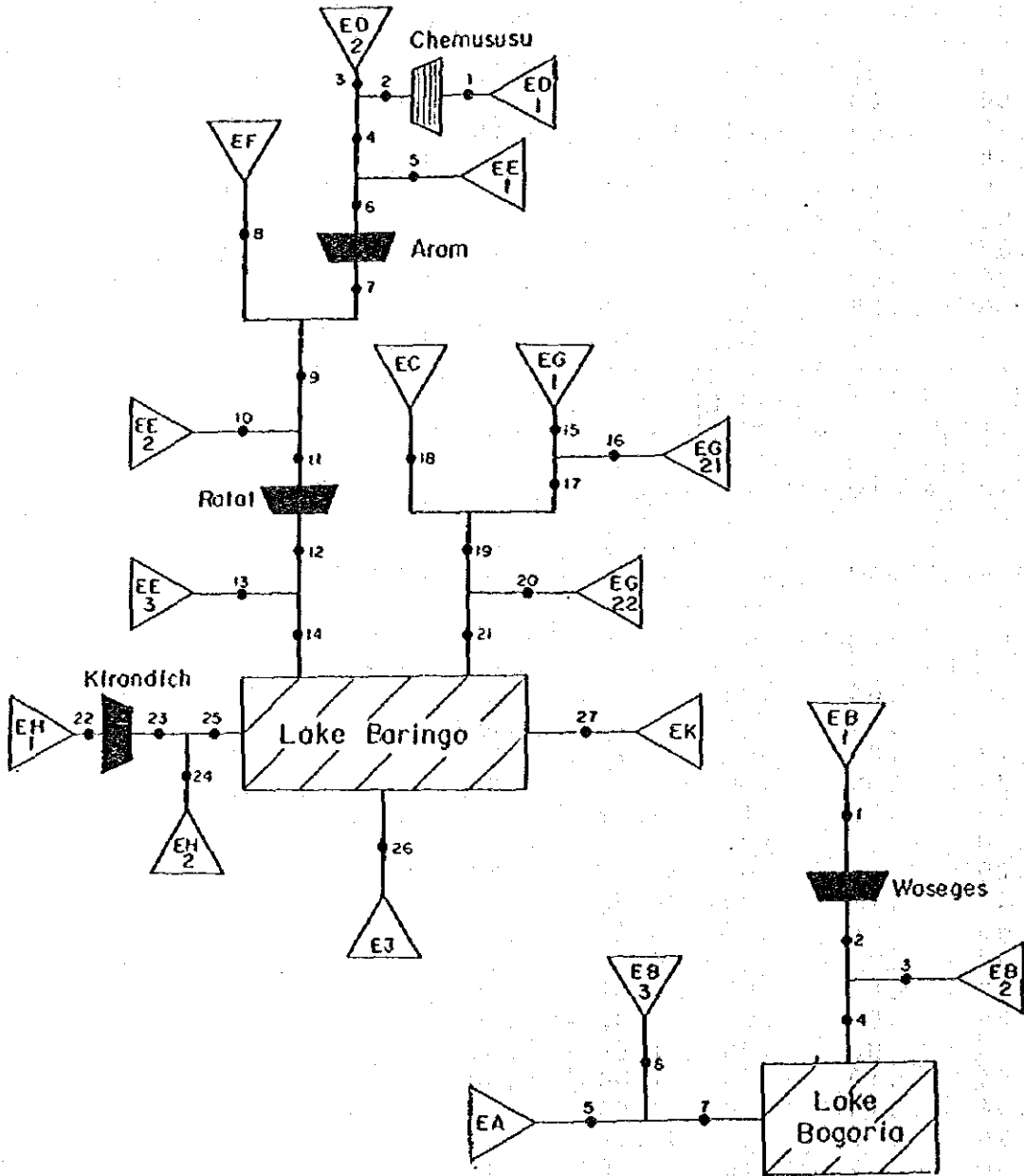


Figure 3.10 Lakes Baringo and Bogoria
(Basin : 2B)

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Table 3.10.1 Lake Baringo

Node	(Unit:cms)								
	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	.26	.01	.01	.26	.00	.26	.00	.26	.00
2	.26	.01	.01	.26	.00	.26	.00	.26	.00
3	1.45	.03	.03	1.45	.00	1.45	.00	1.45	.00
4	1.75	.08	.08	1.73	-.03	1.71	-.04	1.69	-.07
5	.33	.01	.01	.33	.00	.33	.00	.33	.00
6	2.08	.08	.08	2.05	-.02	2.04	-.04	2.01	-.06
7	2.08	.08	.08	2.05	-.02	2.04	-.04	2.01	-.06
8	1.58	.03	.03	1.56	-.02	1.54	-.03	1.52	-.03 *
9	3.70	.15	.15	3.64	-.06	3.60	-.09	3.54	-.12
10	.72	.01	.01	.72	.00	.72	.00	.72	.00
11	4.42	.17	.17	4.36	-.07	4.32	-.09	4.26	-.13
12	4.42	.17	.17	4.36	-.07	4.32	-.09	4.26	-.13
13	1.43	.03	.03	1.43	.00	1.43	.00	1.43	.00
14	5.85	.20	.20	5.79	-.07	5.75	-.09	5.69	-.13
15	1.65	.07	.07	1.60	-.05	1.56	-.07	1.48	-.07 *
16	1.85	.08	.08	1.84	-.01	1.84	-.02	1.83	-.03
17	3.51	.15	.15	3.44	-.06	3.40	-.09	3.30	-.10
18	3.50	.21	.21	3.43	-.07	3.37	-.13	3.12	-.21 *
19	7.01	.36	.36	6.87	-.14	6.77	-.22	6.42	-.31
20	3.41	.15	.15	3.39	-.02	3.38	-.03	3.36	-.05
21	10.42	.51	.51	10.26	-.16	10.15	-.25	9.79	-.35
22	.12	.00	.00	.12	.00	.12	.00	.12	.00 *
23	.12	.00	.00	.12	.00	.12	.00	.12	.00 *
24	2.33	.05	.05	2.33	.00	2.33	.00	2.33	.00
25	2.46	.05	.05	2.44	-.02	2.42	-.04	2.40	-.05 *
26	5.77	.12	.12	5.75	-.02	5.74	-.03	5.72	-.05
27	2.45	.05	.05	2.44	-.02	2.43	-.02	2.41	-.04

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

Table 3.10.2 Lake Bogoria

Node	(Unit:cms)								
	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	1.76	.03	.03	1.76	.00	1.76	.00	1.76	.00
2	1.76	.03	.03	1.76	.00	1.76	.00	1.76	.00
3	.67	.01	.01	.67	.00	.67	.00	.67	.00
4	2.45	.07	.07	2.42	-.04	2.40	-.05	2.36	-.07 *
5	1.70	.06	.06	1.67	-.03	1.66	-.04	1.63	-.06 *
6	.52	.01	.01	.52	.00	.52	.00	.52	.00
7	2.22	.07	.07	2.20	-.03	2.19	-.04	2.16	-.06

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

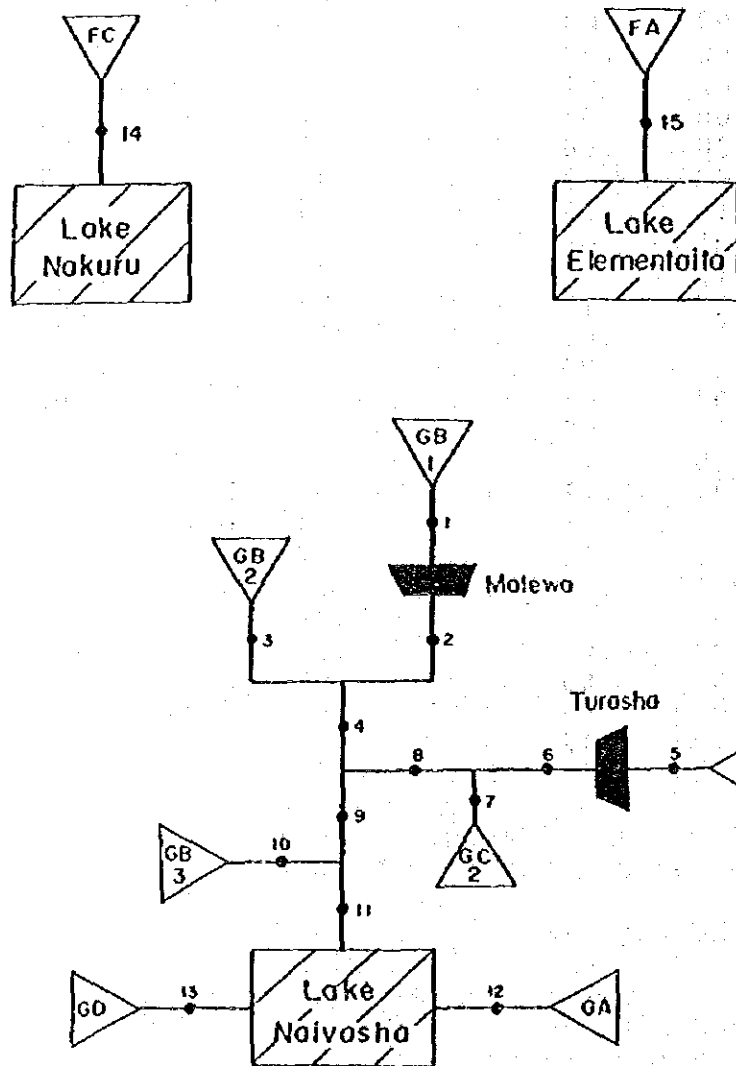


Figure 3.11 Lakes Nakuru, Elementaita and Naivasha
 (Basin : 2F and 2G)

Table 3.11 Lakes Nakuru, Elementaita and Naivasha

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	2.19	.18	.14	2.19	.04	2.19	.04	2.19	.04
2	2.19	.18	.14	2.19	.04	2.19	.04	2.19	.04
3	.54	.04	.03	.54	.01	.54	.01	.54	.01
4	2.73	.22	.17	2.73	.05	2.73	.05	2.73	.05
5	3.19	.17	.17	3.15	-.04	3.12	-.07	3.09	-.11
6	3.19	.17	.17	3.15	-.04	3.12	-.07	3.09	-.11
7	.18	.01	.01	.18	.00	.18	.00	.18	.00
8	3.38	.18	.18	3.34	-.05	3.31	-.07	3.27	-.11
9	6.11	.51	.38	6.07	.08	6.04	.06	6.01	.02
10	.23	.05	.01	.23	.04	.23	.04	.23	.04
11	6.34	.56	.39	6.21	.04	6.12	-.05	6.00	-.18
12	1.33	.04	.04	1.30	-.03	1.27	-.04	1.22	-.04 *
13	4.94	.35	.31	4.86	-.05	4.76	-.14	4.60	-.30
14	6.26	.23	.23	5.79	-.23	5.21	-.23	4.61	-.23 *
15	2.33	.15	.14	2.30	-.03	2.27	-.05	2.17	-.14 *

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

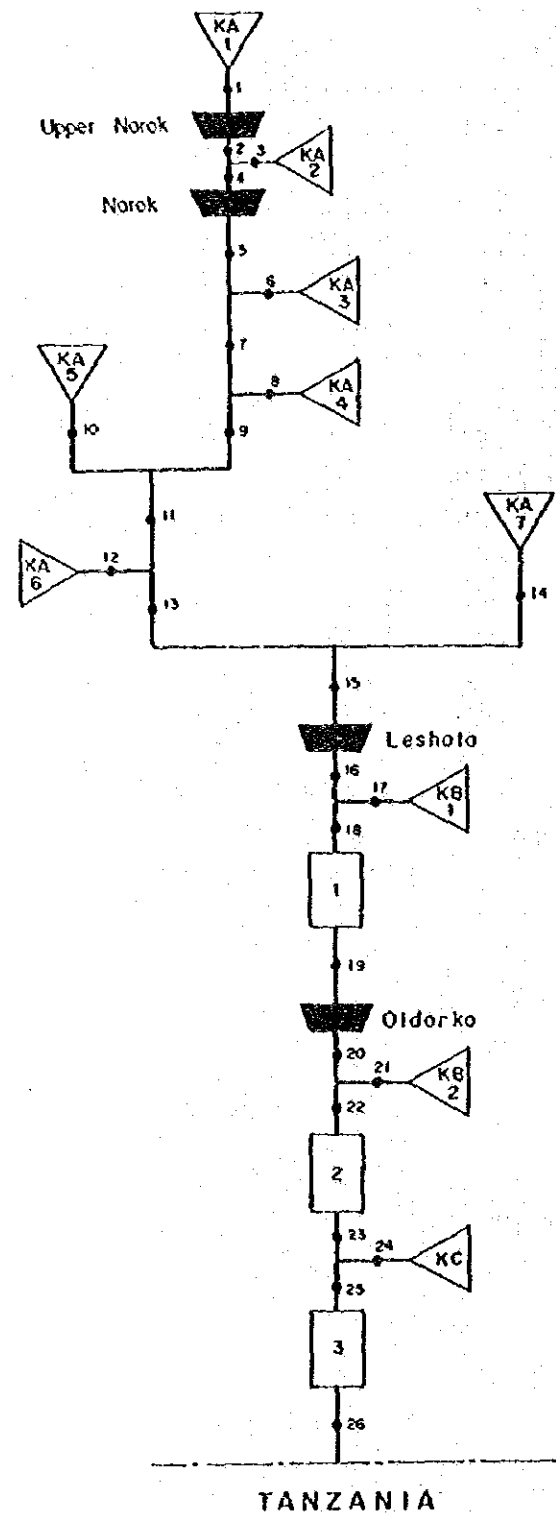


Figure 3.12 Ewaso N'giro (south) River (Basin : 2K)

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Table 3.12 Ewaso N'giro (south) River

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	2.32	.08	.08	2.32	.00	2.32	.00	2.32	.00
2	2.32	.08	.08	2.32	.00	2.32	.00	2.32	.00
3	.53	.02	.02	.53	.00	.53	.00	.53	.00
4	3.00	.26	.19	2.83	-.11	2.69	-.19	2.53	-.19 *
5	3.00	.26	.19	2.83	-.11	2.69	-.19	2.53	-.19 *
6	.89	.03	.03	.89	.00	.89	.00	.89	.00
7	3.90	.29	.24	3.72	-.13	3.59	-.21	3.42	-.21
8	1.64	.05	.05	1.64	.00	1.64	.00	1.64	.00
9	5.54	.34	.34	5.36	-.18	5.23	-.26	5.06	-.26
10	7.82	.18	.18	7.82	.00	7.82	.00	7.82	.00
11	13.36	.86	.83	13.18	-.14	13.05	-.28	12.88	-.41
12	.44	.03	.03	.44	.00	.44	.00	.44	.00
13	13.80	1.02	.86	13.62	-.02	13.49	-.15	13.32	-.28
14	7.06	.27	.27	7.06	.00	7.06	.00	7.06	.00
15	20.86	2.10	1.29	20.68	.64	20.55	.50	20.38	.38
16	20.86	2.10	1.29	20.68	.64	20.55	.50	20.38	.38
17	.30	.02	.02	.30	.00	.30	.00	.30	.00
18	21.16	2.21	1.31	20.98	.72	20.85	.59	20.68	.46
19	19.08	1.86	1.18	18.92	.52	18.80	.40	18.64	.28
20	19.08	1.86	1.18	18.92	.52	18.80	.40	18.64	.28
21	.55	.04	.03	.55	.01	.55	.01	.55	.01
22	19.62	2.05	1.22	19.46	.67	19.34	.55	19.19	.43
23	18.58	1.87	1.15	18.43	.57	18.32	.45	18.17	.34
24	1.03	.08	.06	1.03	.02	1.03	.02	1.03	.02
25	19.61	2.23	1.22	19.44	.84	19.31	.71	19.16	.59
26	15.18	1.43	.94	15.04	.36	14.94	.26	14.82	.16

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

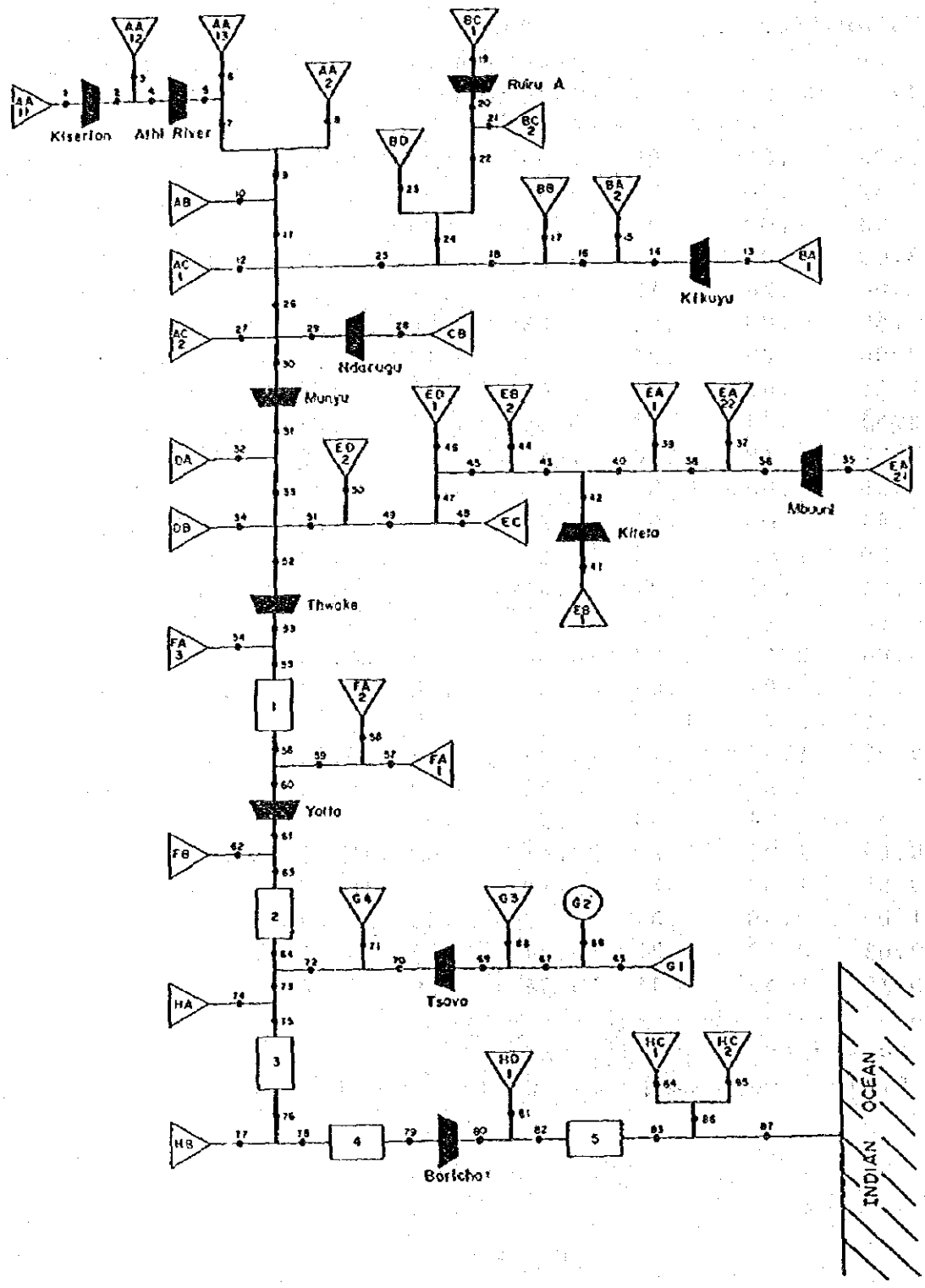


Figure 3.13 Athi River
(Basin : 3A to 3H)

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Table 3.13 Athi River

Node	(Unit:cms)								
	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	.13	.01	.01	.13	.00	.13	.00	.13	.00
2	.13	.01	.01	.13	.00	.13	.00	.13	.00
3	.92	.06	.06	.92	.00	.92	.00	.92	.00
4	1.04	.07	.06	1.04	.01	1.04	.01	1.04	.01
5	1.04	.07	.06	1.04	.01	1.04	.01	1.04	.01
6	1.26	.02	.02	1.26	.00	1.26	.00	1.26	.00
7	1.34	.12	.08	.83	-.08	.65	-.08	.50	-.08
8	.53	.05	.03	.33	-.03	.26	-.03	.20	-.03
9	1.86	.17	.12	1.13	-.12	.89	-.12	.68	-.12
10	4.67	.32	.29	4.67	.03	4.67	.03	4.67	.03
11	6.54	.49	.41	5.66	-.23	5.32	-.34	5.00	-.41
12	.58	.04	.04	.58	.00	.58	.00	.58	.00
13	.32	.02	.02	.32	.00	.32	.00	.32	.00
14	.32	.02	.02	.32	.00	.32	.00	.32	.00
15	2.92	.17	.17	2.92	.00	2.92	.00	2.92	.00
16	3.53	.47	.22	1.63	-.22	1.06	-.22	.71	-.22
17	1.36	.41	.08	1.22	.20	1.15	.12	1.05	.02
18	4.89	.88	.30	2.86	-.02	2.21	-.10	1.76	-.20
19	.82	.05	.05	.82	.00	.82	.00	.82	.00
20	.82	.05	.05	.82	.00	.82	.00	.82	.00
21	1.12	.06	.06	1.12	.00	1.12	.00	1.12	.00
22	2.27	.44	.14	2.18	.22	2.14	.17	2.06	.09
23	1.13	.29	.07	1.07	.16	1.04	.13	1.00	.09
24	3.40	.88	.21	3.26	.53	3.18	.45	3.06	.33
25	8.28	1.97	.51	6.11	.56	5.38	.41	4.82	.19
26	15.40	2.85	.95	11.94	.27	10.55	-.30	9.31	-.95
27	1.74	.12	.11	1.74	.01	1.74	.01	1.74	.01
28	3.33	.54	.21	3.22	.22	3.12	.13	3.01	.01
29	3.33	.54	.21	3.22	.22	3.12	.13	3.01	.01
30	20.47	3.82	1.27	16.83	.68	15.31	-.03	13.89	-.89
31	20.47	3.82	1.27	16.83	.68	15.31	-.03	13.89	-.89
32	.81	.11	.05	.81	.06	.81	.06	.81	.06
33	21.29	4.09	1.32	17.63	.90	16.10	.18	14.67	-.69
34	.79	.07	.05	.79	.02	.79	.02	.79	.02
35	.36	.03	.02	.36	.01	.36	.01	.36	.01
36	.36	.03	.02	.36	.01	.36	.01	.36	.01
37	.01	.00	.00	.01	.00	.01	.00	.01	.00
38	.37	.03	.02	.26	-.02	.18	-.02	.12	-.02
39	.43	.04	.03	.43	.01	.43	.01	.43	.01
40	.81	.07	.05	.57	-.05	.39	-.05	.27	-.05
41	.06	.00	.00	.06	.00	.06	.00	.06	.00
42	.06	.00	.00	.06	.00	.06	.00	.06	.00
43	.87	.07	.05	.59	-.05	.41	-.05	.28	-.05
44	.66	.06	.04	.66	.02	.66	.02	.66	.02
45	1.52	.12	.09	1.24	-.03	1.06	-.03	.93	-.03
46	.04	.00	.00	.04	.00	.04	.00	.04	.00
47	1.56	.13	.10	1.23	-.09	1.03	-.10	.88	-.10
48	.57	.02	.02	.57	.00	.57	.00	.57	.00
49	2.13	.14	.13	1.78	-.12	1.58	-.13	1.41	-.13
50	.27	.01	.01	.27	.00	.27	.00	.27	.00
51	2.40	.15	.15	2.05	-.13	1.85	-.14	1.69	-.14
52	24.47	4.64	1.52	20.47	1.02	18.73	.28	17.14	-.61
53	24.47	4.64	1.52	20.47	1.02	18.73	.28	17.14	-.61
54	.19	.01	.01	.19	.00	.19	.00	.19	.00
55	24.66	4.71	1.53	20.64	1.03	18.90	.29	17.30	-.60
56	22.39	4.16	1.39	18.72	.81	17.13	.14	15.67	-.68
57	1.77	.20	.11	1.66	-.03	1.61	-.08	1.54	-.11
58	.71	.08	.04	.66	-.01	.65	-.03	.62	-.04
59	2.48	.28	.15	2.32	-.04	2.25	-.10	2.16	-.15
60	24.87	5.29	1.54	21.04	1.45	19.38	.70	17.83	-.23
61	24.87	5.29	1.54	21.04	1.45	19.38	.70	17.83	-.23
62	1.08	.08	.07	1.08	.01	1.08	.01	1.08	.01
63	25.95	5.64	1.61	22.07	1.57	20.40	.80	18.82	-.16
64	19.70	4.00	1.22	16.70	.87	15.41	.28	14.18	-.46
65	1.96	.15	.12	1.96	.03	1.96	.03	1.96	.03
66	3.87	2.80	.24	3.87	2.56	3.87	2.56	3.87	2.56
67	5.83	3.56	.36	5.83	3.20	5.83	3.20	5.83	3.20
68	1.03	.08	.06	1.03	.02	1.03	.02	1.03	.02
69	6.86	3.80	.43	6.79	3.29	6.75	3.25	6.70	3.20
70	6.86	3.80	.43	6.79	3.29	6.75	3.25	6.70	3.20
71	.10	.01	.01	.10	.00	.10	.00	.10	.00
72	7.16	4.02	.44	7.08	3.50	7.04	3.46	6.99	3.41
73	26.86	8.65	1.67	23.78	5.03	22.45	4.40	21.18	3.61
74	.59	.15	.04	.59	.11	.58	.11	.58	.10
75	27.45	8.87	1.70	24.37	5.23	23.04	4.60	21.76	3.80
76	26.03	8.36	1.61	23.10	4.90	21.83	4.30	20.62	3.54
77	1.61	.42	.10	1.60	.31	1.60	.31	1.60	.31
78	27.63	8.95	1.71	24.70	5.39	23.43	4.79	22.21	4.03
79	20.09	6.23	1.25	17.91	3.60	16.97	3.16	16.07	2.60
80	20.09	6.23	1.25	17.91	3.60	16.97	3.16	16.07	2.60
81	.32	.03	.02	.32	.01	.32	.01	.32	.01
82	20.49	6.38	1.27	18.29	3.71	17.34	3.25	16.41	2.67
83	18.25	5.57	1.13	16.28	3.19	15.42	2.77	14.59	2.25
84	1.02	.27	.06	1.01	.20	1.01	.20	1.00	.19
85	.88	.23	.05	.87	.17	.87	.17	.87	.17
86	1.89	.12	.12	1.88	.36	1.88	.36	1.87	.35
87	20.15	6.27	1.25	18.16	3.75	17.30	3.34	16.46	2.81

Note : Marked (*) means dry up.
C.flow means compensation flow to the downstream.

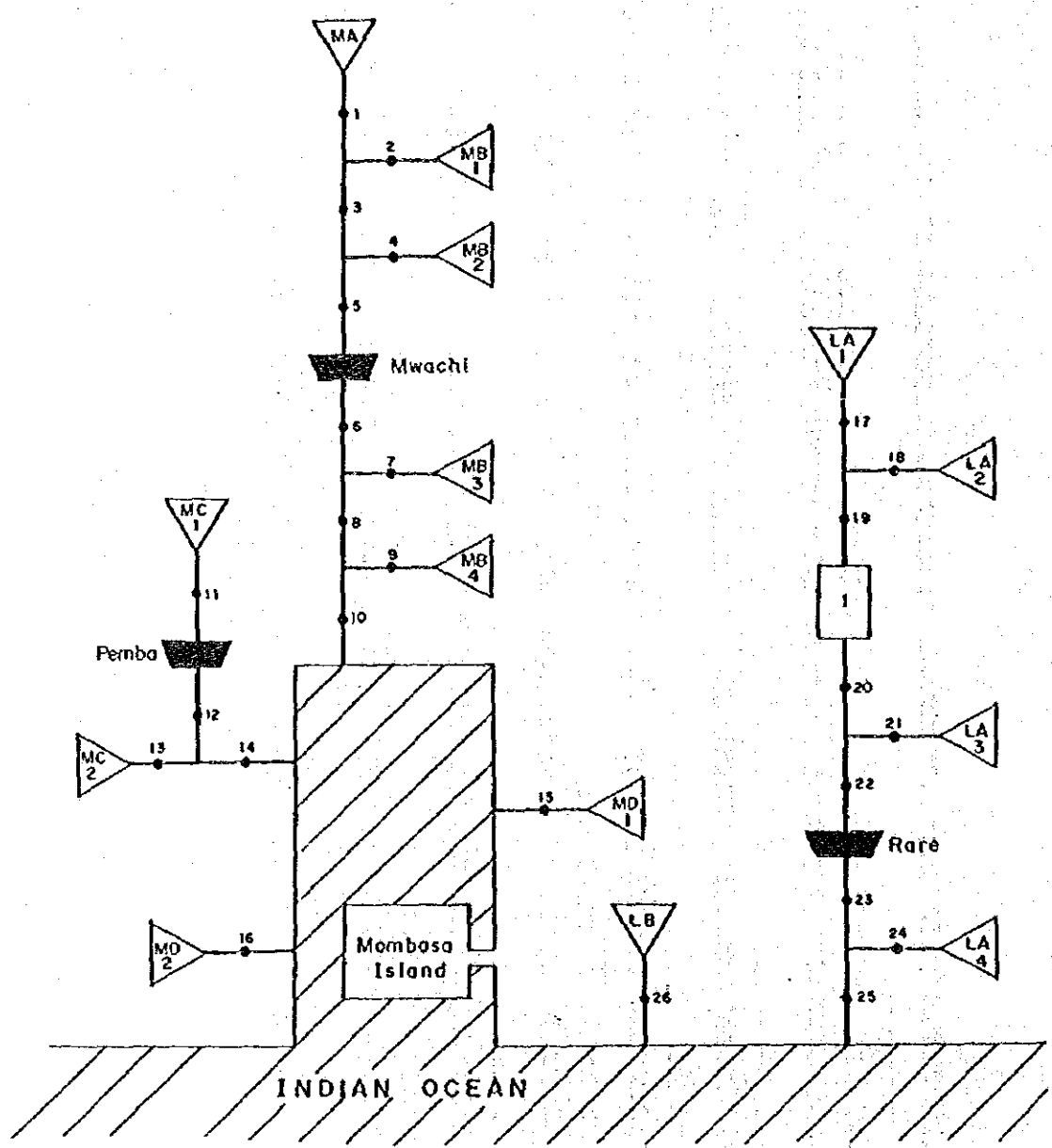


Figure 3.14 Rare, Pemba and Mwachi Rivers
(Basin : 3L and 3M)

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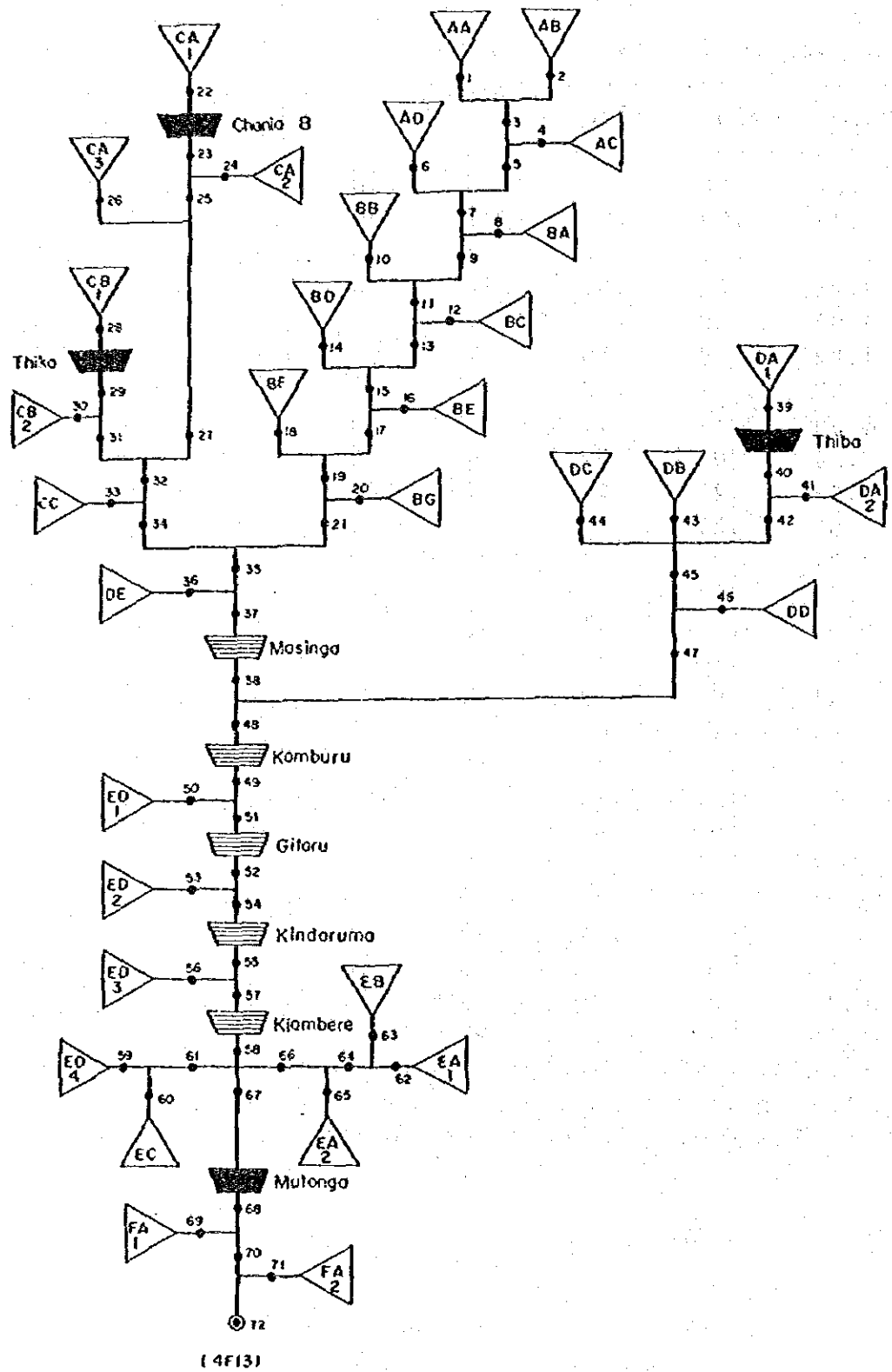
Table 3.14 Rare, Pemba and Mwachi Rivers

(Unit:cms)

Node	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	.87	.00	.00	.85	.00	.85	.00	.85	.00 *
2	.74	.02	.02	.74	.00	.74	.00	.74	.00
3	1.61	.02	.02	1.58	.00	1.58	.00	1.58	.00
4	2.21	.07	.07	2.21	.00	2.21	.00	2.21	.00
5	3.82	.10	.10	3.79	.00	3.79	.00	3.79	.00
6	3.82	.10	.10	3.79	.00	3.79	.00	3.79	.00
7	.57	.02	.02	.57	.00	.57	.00	.57	.00
8	4.39	.12	.12	4.36	.00	4.36	.00	4.36	.00
9	.54	.02	.02	.54	.00	.54	.00	.54	.00
10	5.03	.23	.23	4.94	-.06	4.91	-.09	4.88	-.12
11	2.07	.07	.07	2.07	.00	2.07	.00	2.07	.00
12	2.07	.07	.07	2.07	.00	2.07	.00	2.07	.00
13	.42	.01	.01	.42	.00	.42	.00	.42	.00
14	2.51	.10	.10	2.49	-.02	2.47	-.04	2.46	-.05
15	3.05	.10	.10	2.13	-.10	1.83	-.10	1.59	-.10 *
16	.41	.01	.01	.40	-.01	.40	-.01	.39	-.01 *
17	.81	.16	.05	.71	.02	.66	-.03	.60	-.05 *
18	1.72	.14	.11	1.72	.03	1.72	.03	1.72	.03
19	2.53	.30	.16	2.44	.05	2.39	.00	2.32	-.02
20	.33	.00	.00	.32	.00	.31	.00	.30	.00 *
21	3.58	.12	.12	3.58	.00	3.58	.00	3.58	.00
22	3.91	.12	.12	3.90	.00	3.89	.00	3.88	.00
23	3.91	.12	.12	3.90	.00	3.89	.00	3.88	.00
24	2.53	.08	.08	2.53	.00	2.53	.00	2.53	.00
25	6.44	.20	.20	6.43	.00	6.42	.00	6.41	.00
26	1.98	.20	.12	1.87	-.03	1.74	-.12	1.60	-.12 *

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.



(4F13)

Figure 3.15 Upper Tana River (Basin : 4A to 4F)

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Table 3.15 Upper Tana River

Node	(Unit:cms)								
	Naturalized Flow			1990		2000		2010	
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.
1	2.71	.66	.17	2.67	.46	2.66	.45	2.64	.42
2	3.18	.49	.20	3.04	.15	2.88	.01	2.67	.20
3	5.89	1.15	.37	5.72	.61	5.55	.44	5.32	.22
4	5.95	.17	.17	5.95	.00	5.95	.00	5.95	.00
5	12.03	3.10	.75	11.74	2.06	11.48	1.81	11.11	1.44
6	6.34	.40	.39	6.27	.07	6.23	.10	6.17	.17
7	18.37	3.68	1.14	18.00	2.17	17.72	1.88	17.28	1.45
8	4.17	.58	.26	4.17	.32	4.17	.32	4.17	.32
9	22.59	5.40	1.40	22.15	3.56	21.84	3.25	21.35	2.76
10	4.01	.52	.25	3.97	.23	3.96	.22	3.93	.19
11	26.60	6.02	1.65	26.12	3.89	25.79	3.57	25.28	3.05
12	2.99	.41	.19	2.99	.22	2.99	.22	2.99	.22
13	29.73	7.60	1.84	29.22	5.24	28.88	4.90	28.34	4.37
14	16.11	7.22	1.00	15.99	6.10	15.92	6.04	15.82	5.93
15	45.84	17.01	2.84	45.21	13.54	44.80	13.13	44.16	12.49
16	11.85	2.85	.73	11.85	2.12	11.85	2.12	11.85	2.12
17	58.11	20.62	3.60	57.35	16.26	56.87	15.78	56.13	15.04
18	8.38	2.30	.52	8.29	1.69	8.23	1.64	8.17	1.57
19	66.48	23.16	4.12	65.63	18.18	65.10	17.65	64.29	16.84
20	9.48	2.28	.59	9.48	1.69	9.48	1.69	9.48	1.69
21	75.98	25.73	4.71	75.11	20.15	74.58	19.62	73.76	18.80
22	5.79	.98	.36	5.79	.62	5.79	.62	5.79	.62
23	5.79	.98	.36	5.79	.62	5.79	.62	5.79	.62
24	5.55	.09	.03	5.55	.06	5.55	.06	5.55	.06
25	6.34	1.07	.39	6.34	.68	6.34	.68	6.34	.68
26	2.86	.48	.18	2.86	.30	2.86	.30	2.86	.30
27	10.42	2.78	.65	10.35	2.06	10.30	2.01	10.23	1.94
28	2.43	.41	.15	2.43	.26	2.43	.26	2.43	.26
29	2.43	.41	.15	2.43	.26	2.43	.26	2.43	.26
30	4.14	.70	.26	4.14	.44	4.14	.44	4.14	.44
31	7.05	1.59	.44	7.00	1.10	6.98	1.08	6.94	1.04
32	17.48	4.37	1.08	17.35	3.16	17.29	3.10	17.18	3.00
33	17.45	2.96	1.08	17.45	1.88	17.45	1.88	17.45	1.88
34	37.25	9.65	2.31	37.03	7.11	36.90	6.99	36.71	6.80
35	113.23	36.87	7.02	112.14	28.76	111.48	28.10	110.48	27.10
36	6.22	1.05	.39	6.22	.66	6.22	.66	6.22	.66
37	119.46	38.22	7.41	118.36	29.70	117.69	29.04	116.68	28.03
38	119.64	69.10	7.42	118.48	61.68	117.87	61.68	116.85	61.68
39	3.89	.52	.24	3.86	.25	3.84	.24	3.82	.21
40	11.79	1.23	.73	11.79	.50	11.79	.50	11.79	.50
41	16.06	2.14	1.00	15.95	1.03	15.89	.97	15.79	.87
42	9.90	1.08	.61	9.86	.44	9.84	.42	9.82	.39
43	8.08	1.19	.50	8.00	.61	7.93	.55	7.85	.46
44	34.04	4.42	2.11	33.82	2.08	33.66	1.93	33.45	1.71
45	4.27	.45	.26	4.27	.19	4.27	.19	4.27	.19
46	41.01	7.56	2.54	40.77	4.78	40.61	4.62	40.39	4.40
47	160.65	76.66	9.96	159.25	66.46	158.48	66.30	157.24	66.08
48	160.80	91.90	9.97	159.40	81.93	158.63	81.93	157.36	81.80
49	83.83	.08	.05	83.83	.03	83.83	.03	83.83	.03
50	161.63	91.98	10.02	160.22	81.96	159.46	81.96	158.19	81.96
51	161.62	91.90	10.02	160.22	81.88	159.46	81.88	158.19	81.88
52	1.71	.16	.11	1.71	.05	1.71	.05	1.71	.05
53	163.33	92.19	10.13	161.93	82.01	161.16	82.01	159.90	82.01
54	163.33	92.14	10.13	161.93	81.93	161.16	81.93	159.89	81.93
55	12.72	1.19	.79	12.72	.40	12.72	.40	12.72	.40
56	176.05	93.62	10.92	174.65	82.70	173.88	82.70	172.62	82.70
57	176.02	93.33	10.91	174.62	82.42	173.86	82.42	172.59	82.42
58	2.69	.25	.17	2.69	.08	2.69	.08	2.69	.08
59	4.65	.25	.25	4.59	.05	4.56	.08	4.53	.12
60	7.34	1.41	.46	7.21	.83	7.15	.77	7.07	.69
61	5.00	.51	.31	4.94	.14	4.91	.11	4.88	.08
62	9.26	.60	.57	9.14	.09	9.08	.15	9.00	.23
63	14.25	1.25	.88	14.08	.20	14.00	.12	13.87	.00
64	15.73	.01	.01	15.73	.00	15.73	.00	15.73	.00
65	15.05	1.34	.93	14.87	.23	14.78	.14	14.65	.01
66	198.65	99.35	12.32	196.85	86.63	195.85	86.39	194.26	86.07
67	198.65	99.35	12.32	196.85	86.63	195.85	86.39	194.26	86.07
68	3.54	.28	.22	3.54	.06	3.54	.06	3.54	.06
69	202.66	100.52	12.56	200.68	87.37	199.49	86.96	197.69	86.42
70	7.00	.55	.43	7.00	.12	7.00	.12	7.00	.12
71	209.66	101.90	13.00	207.67	88.31	206.49	87.90	204.68	87.36

Note : Marked (*) means dry up.
C.flow means compensation flow to the downstream.

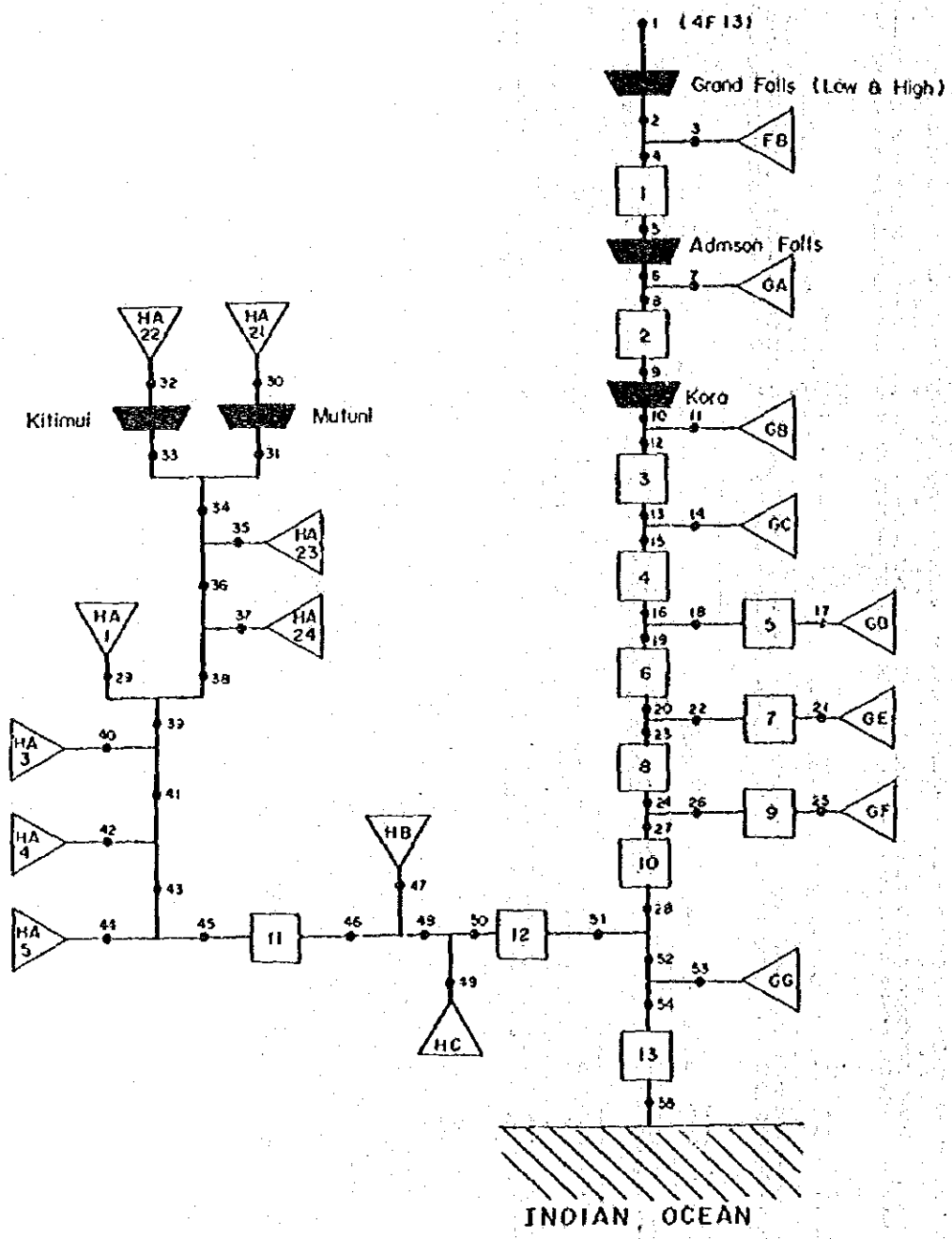


Figure 3.16 Lower Tana River
(Basin : 4F to 4H)

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Table 3.16 Lower Tana River

Node	(Unit:cms)									
	Naturalized Flow			1990		2000		2010		
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.	
1	209.66	101.90	13.00	207.58	88.21	206.49	87.90	204.68	87.40	
2	209.66	101.90	13.00	207.58	88.21	206.49	87.90	204.68	87.40	
3	209.66	101.90	13.00	207.58	88.21	206.49	87.90	204.68	87.40	
4	212.98	104.63	13.20	210.90	90.74	208.49	89.11	206.62	88.45	
5	200.89	101.89	12.46	199.00	88.80	196.79	87.31	195.09	86.70	
6	200.89	101.89	12.46	199.00	88.80	196.79	87.31	195.09	86.70	
7	202.02	102.63	12.58	201.01	89.42	198.80	87.92	197.08	87.31	
8	196.87	101.25	12.21	195.06	88.43	192.95	87.01	191.31	86.42	
9	196.87	101.25	12.21	195.06	88.43	192.95	87.01	191.31	86.42	
10	199.71	102.29	12.38	197.90	89.31	195.78	87.88	194.14	87.28	
11	184.56	98.77	11.44	182.97	86.80	181.11	85.54	179.66	85.02	
12	186.81	100.42	11.58	185.19	88.29	181.99	85.69	180.42	85.05	
13	176.83	98.01	10.96	175.36	86.54	172.44	84.17	171.00	83.58	
14	176.83	98.01	10.96	175.36	86.54	172.44	84.17	171.00	83.58	
15	178.80	98.38	11.09	177.30	86.76	174.39	84.40	172.93	83.79	*
16	157.17	87.85	9.74	155.87	77.65	153.37	75.62	152.11	75.09	
17	166.05	88.00	9.38	166.05	78.09	166.05	76.09	166.05	75.09	*
18	166.05	88.00	9.38	166.05	78.09	166.05	76.09	166.05	75.09	*
19	160.16	88.55	9.93	158.82	78.11	156.32	76.09	155.00	75.44	*
20	150.30	83.80	9.32	149.04	74.00	146.73	72.13	145.50	71.53	*
21	150.30	83.80	9.32	149.04	74.00	146.73	72.13	145.50	71.53	*
22	153.88	84.62	9.50	152.57	74.12	150.00	72.13	148.88	71.12	*
23	153.88	84.62	9.50	152.57	74.12	150.00	72.13	148.88	71.12	*
24	153.88	84.62	9.50	152.57	74.12	150.00	72.13	148.88	71.12	*
25	153.88	84.62	9.50	152.57	74.12	150.00	72.13	148.88	71.12	*
26	153.88	84.62	9.50	152.57	74.12	150.00	72.13	148.88	71.12	*
27	153.88	84.62	9.50	152.57	74.12	150.00	72.13	148.88	71.12	*
28	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
29	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
30	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
31	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
32	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
33	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
34	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
35	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
36	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
37	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
38	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
39	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
40	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
41	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
42	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
43	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
44	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
45	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
46	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
47	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
48	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
49	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
50	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
51	137.49	76.60	8.52	136.18	67.49	134.18	65.82	133.01	65.19	*
52	142.18	77.02	8.82	140.98	67.69	138.95	66.04	137.77	65.48	*
53	142.18	77.02	8.82	140.98	67.69	138.95	66.04	137.77	65.48	*
54	145.85	77.88	9.04	144.62	68.28	142.59	66.64	141.36	66.06	*
55	125.62	68.75	7.79	124.59	60.50	122.89	59.13	121.86	58.64	*

Note : Marked (*) means dry up.
C.flow means compensation flow to the downstream.

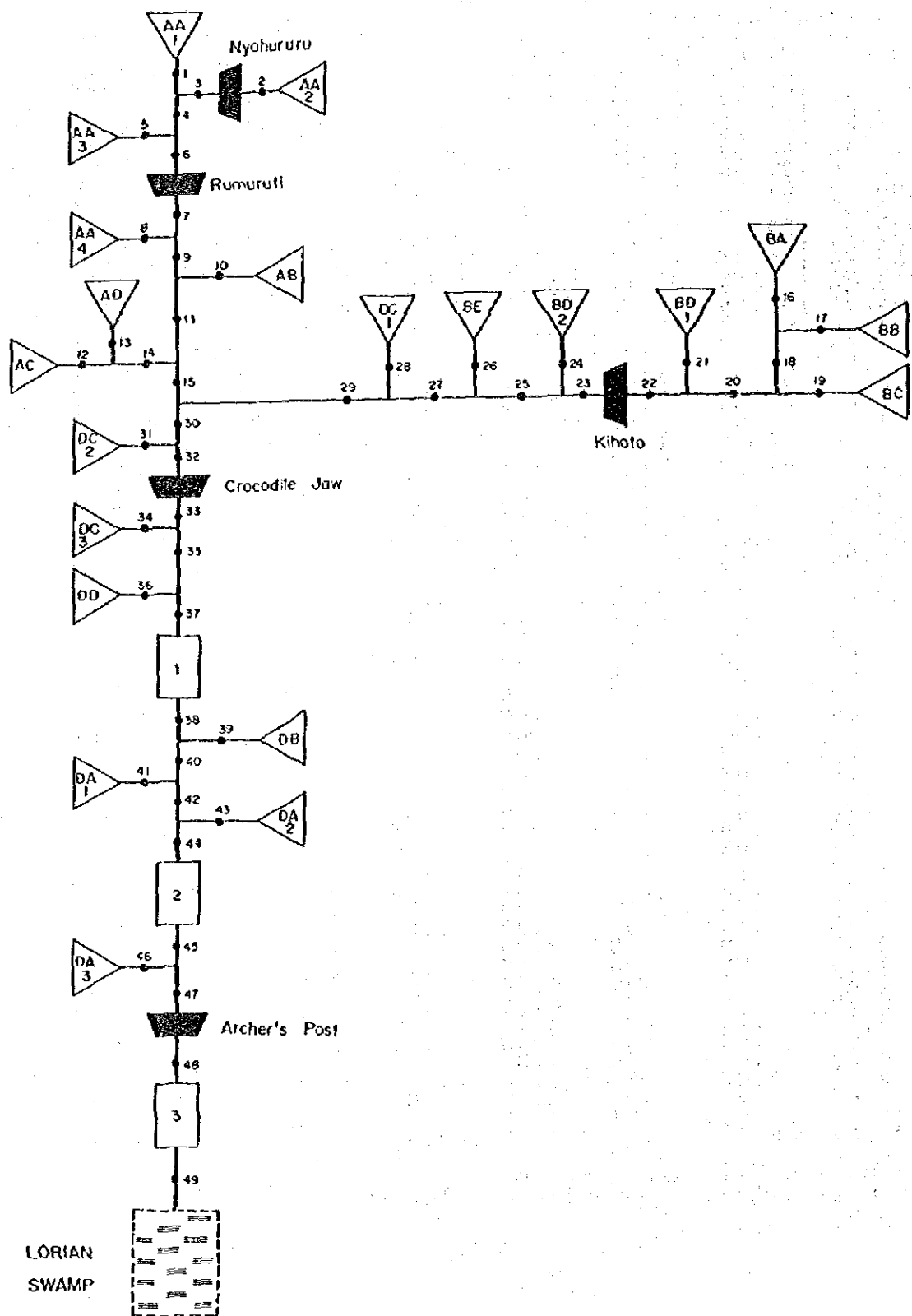


Figure 3.17 Ewaso N'giro (north) River
(Basin : 5A, 5B and 5D)

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Table 3.17 Ewaso N'giro (north) River

(Unit:cms)										
Node	Naturalized Flow			1990		2000		2010		
	Qave	Qmin	C.flow	Qave	Def.	Qave	Def.	Qave	Def.	
1	.14	.00	.00	.14	.00	.14	.00	.14	.00	*
2	.03	.00	.00	.03	.00	.03	.00	.03	.00	*
3	.03	.00	.00	.03	.00	.03	.00	.03	.00	*
4	.18	.01	.01	.18	.00	.18	.00	.18	.00	
5	1.29	.24	.08	1.29	.16	1.29	.16	1.29	.16	
6	1.51	.29	.09	1.40	.09	1.32	.01	1.20	-.09	*
7	1.51	.29	.09	1.40	.09	1.32	.01	1.20	-.09	*
8	.62	.02	.02	.62	.00	.62	.00	.62	.00	
9	2.16	.36	.13	2.04	.10	1.95	.02	1.83	-.10	
10	1.33	.28	.08	1.33	.20	1.33	.20	1.33	.20	
11	3.49	.63	.22	3.37	.29	3.28	.20	3.15	.09	
12	1.19	.03	.03	1.17	-.02	1.16	-.03	1.14	-.03	*
13	.59	.04	.04	.58	-.01	.58	-.01	.58	-.01	
14	1.82	.11	.11	1.80	-.03	1.78	-.04	1.76	-.04	
15	5.31	.79	.33	5.16	.31	5.06	.21	4.91	.07	
16	.79	.20	.05	.79	.15	.78	.15	.78	.14	
17	1.54	.56	.10	1.54	.45	1.53	.45	1.53	.44	
18	2.33	.76	.14	2.32	.60	2.32	.60	2.31	.59	
19	4.38	.80	.27	4.38	.53	4.38	.53	4.38	.53	
20	6.97	1.82	.43	6.92	1.34	6.89	1.30	6.83	1.24	
21	.38	.00	.00	.38	.00	.38	.00	.38	.00	*
22	7.35	1.83	.46	7.30	1.31	7.26	1.27	7.19	1.20	
23	7.35	1.83	.46	7.30	1.31	7.26	1.27	7.19	1.20	
24	.99	.02	.02	.99	.00	.99	.00	.99	.00	
25	8.34	1.86	.52	8.25	1.25	8.17	1.17	8.05	1.05	
26	2.68	.22	.17	2.68	.05	2.68	.05	2.68	.05	
27	11.02	2.58	.68	10.91	1.80	10.83	1.72	10.70	1.59	
28	.81	.01	.01	.81	.00	.81	.00	.81	.00	
29	11.84	2.68	.73	11.74	1.85	11.66	1.77	11.53	1.64	
30	17.16	3.64	1.06	16.90	2.32	16.71	2.14	16.41	1.84	
31	1.16	.01	.01	1.16	.00	1.16	.00	1.16	.00	
32	18.32	3.72	1.14	18.05	2.32	17.86	2.13	17.55	1.82	
33	18.32	3.72	1.14	18.05	2.32	17.86	2.13	17.55	1.82	
34	.57	.01	.01	.57	.00	.57	.00	.57	.00	
35	18.92	3.77	1.17	18.65	2.32	18.44	2.12	18.12	1.79	
36	3.67	.04	.04	3.67	.00	3.67	.00	3.67	.00	
37	22.67	3.88	1.41	22.39	2.18	22.17	1.97	21.83	1.63	
38	20.18	3.32	1.25	19.92	1.81	19.72	1.62	19.42	1.31	
39	2.01	.08	.08	2.01	.00	2.01	.00	2.01	.00	
40	22.18	3.41	1.38	21.90	1.75	21.69	1.53	21.35	1.19	
41	1.59	.02	.02	1.59	.00	1.59	.00	1.59	.00	
42	23.82	3.48	1.48	23.53	1.71	23.30	1.49	22.94	1.13	
43	.77	.01	.01	.77	.00	.77	.00	.77	.00	
44	24.61	3.52	1.53	24.30	1.68	24.06	1.44	23.67	1.06	
45	22.68	3.14	1.41	22.40	1.45	22.17	1.23	21.82	.87	
46	1.09	.01	.01	1.09	.00	1.09	.00	1.09	.00	
47	23.80	3.19	1.48	23.52	1.43	23.29	1.21	22.94	.85	
48	23.80	3.19	1.48	23.52	1.43	23.29	1.21	22.94	.85	
49	11.35	.85	.70	11.21	.01	11.09	-.11	10.91	-.29	

Note : Marked (*) means dry up.

C.flow means compensation flow to the downstream.

APPENDIX M.4

DATA AND PARAMETERS ASSESSED IN RURAL WATER SUPPLY

Fig.

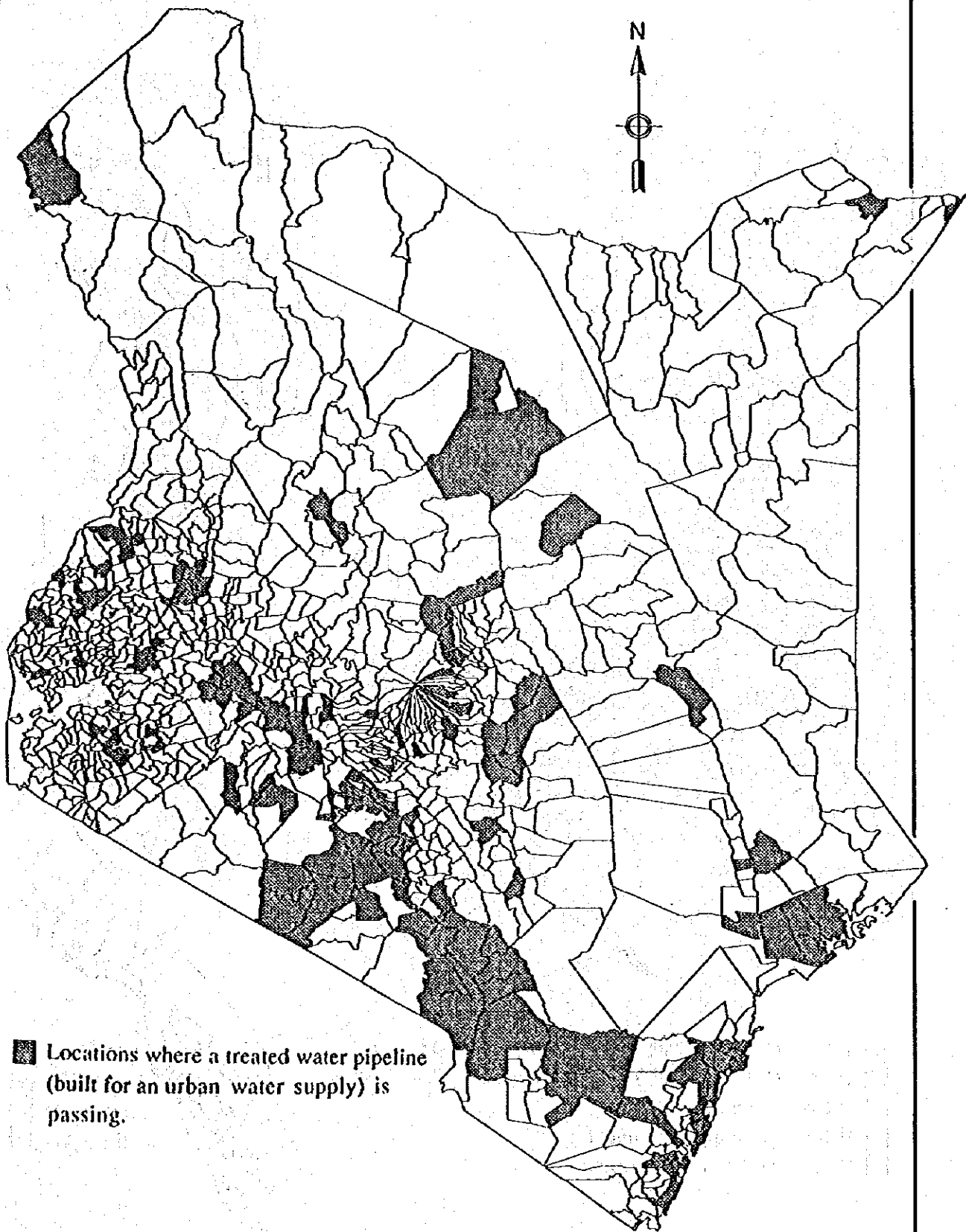


Figure 4.1 Existing Pipeline Coverage

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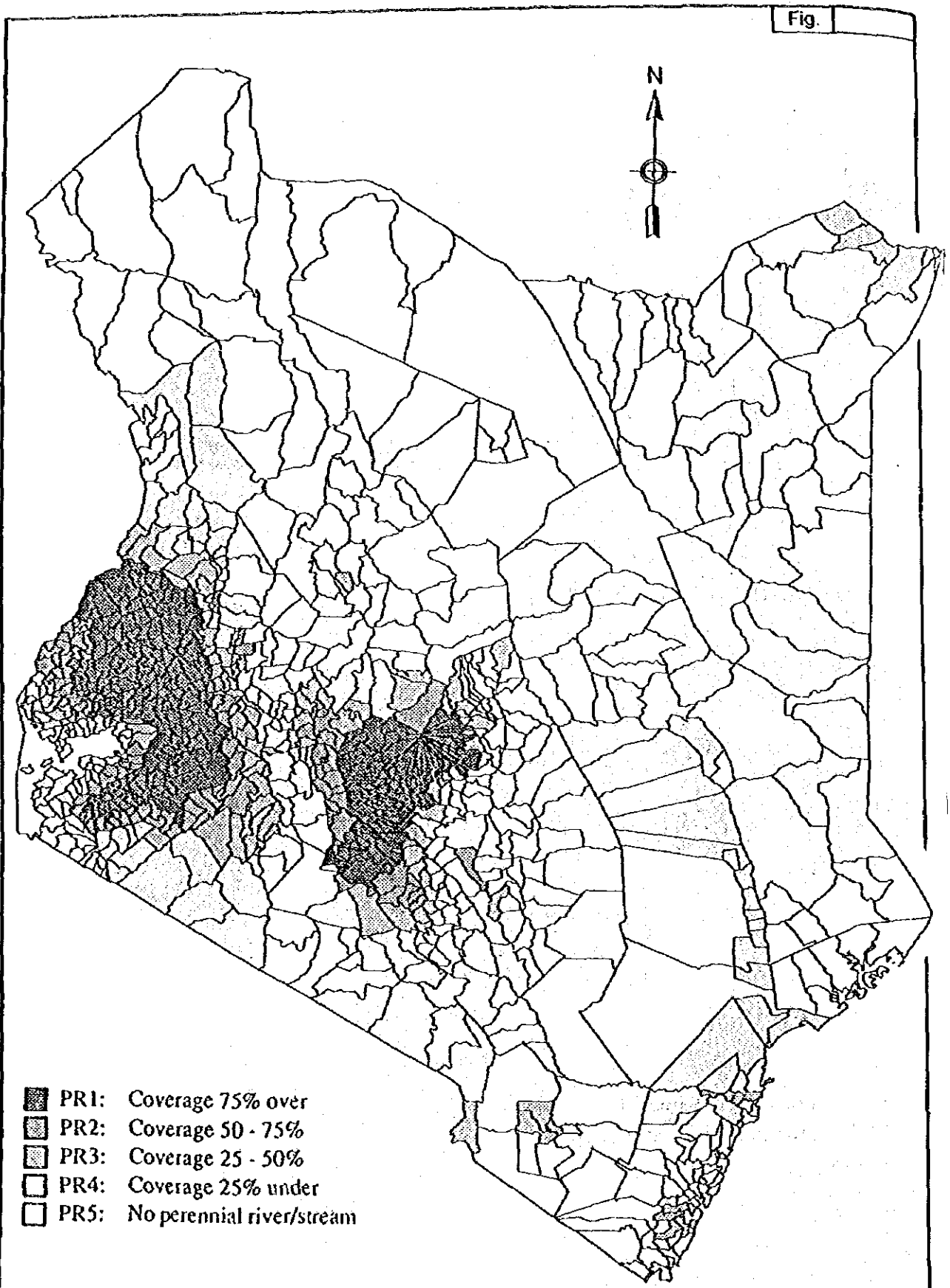
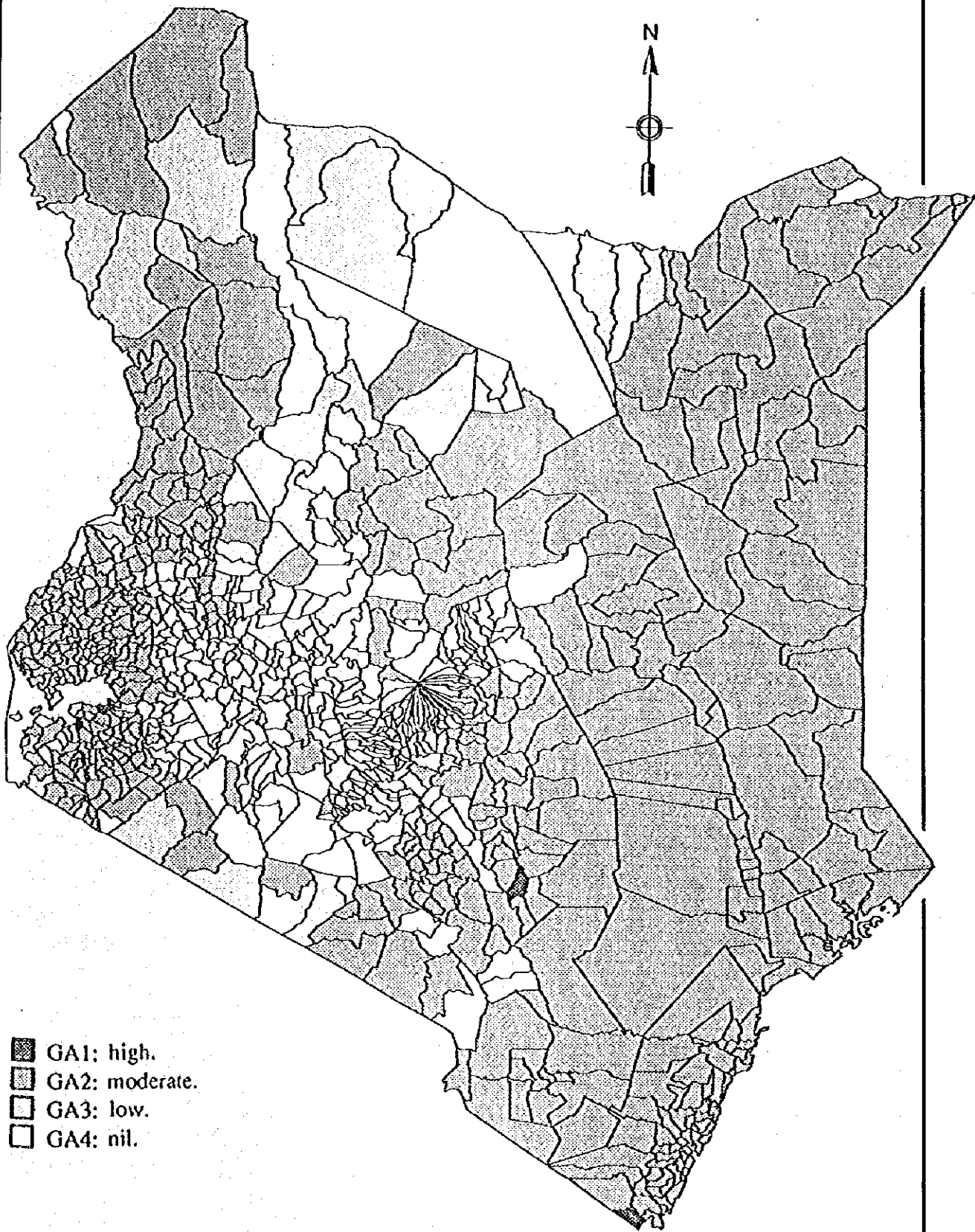


Figure 4.2 Perennial Rivers/Streams Coverages

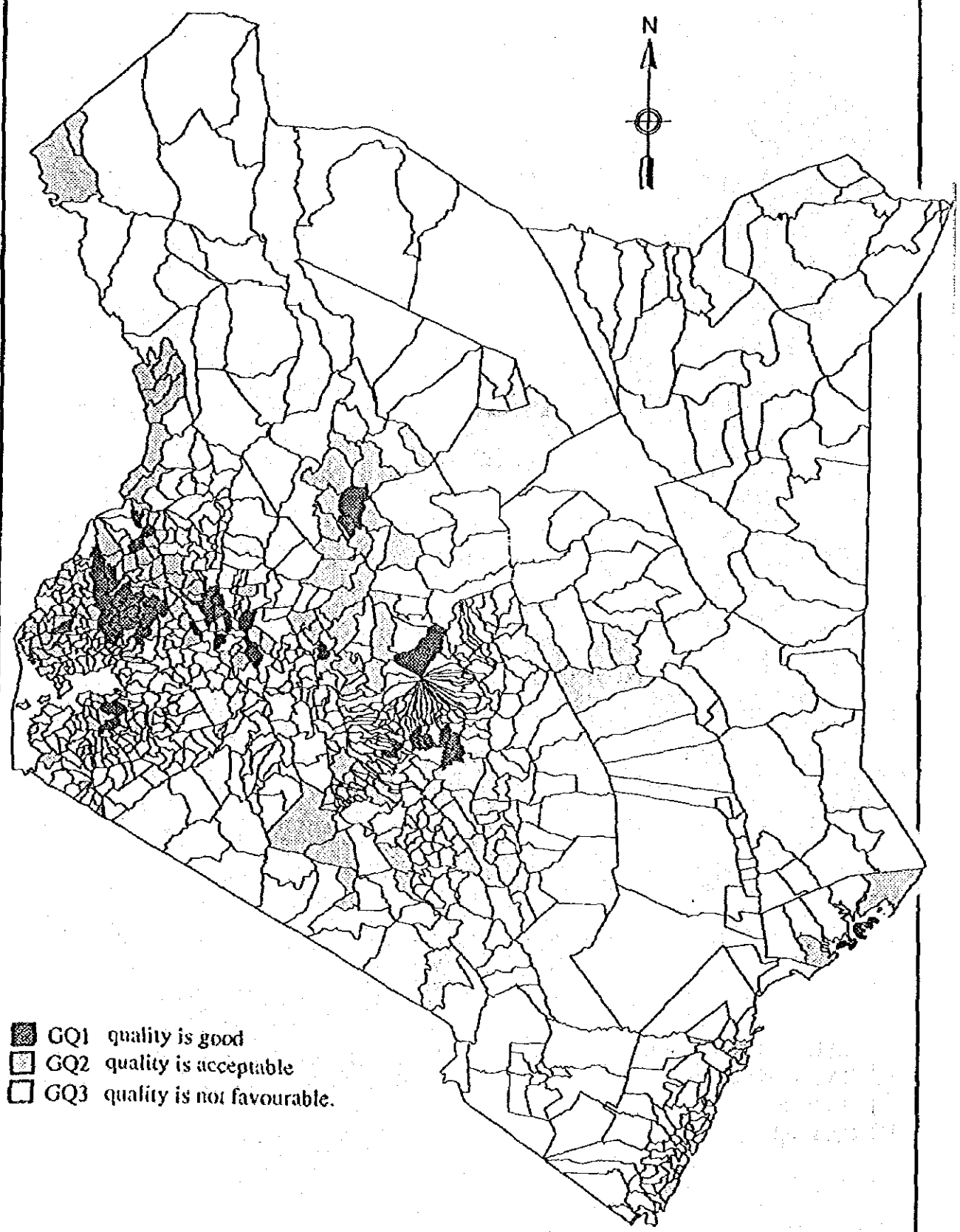
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- GA1: high.
- GA2: moderate.
- GA3: low.
- GA4: nil.

Figure 4.3 Groundwater Development Activity

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- GQ1 quality is good
- GQ2 quality is acceptable
- GQ3 quality is not favourable.

Figure 4.4 Groundwater Quality

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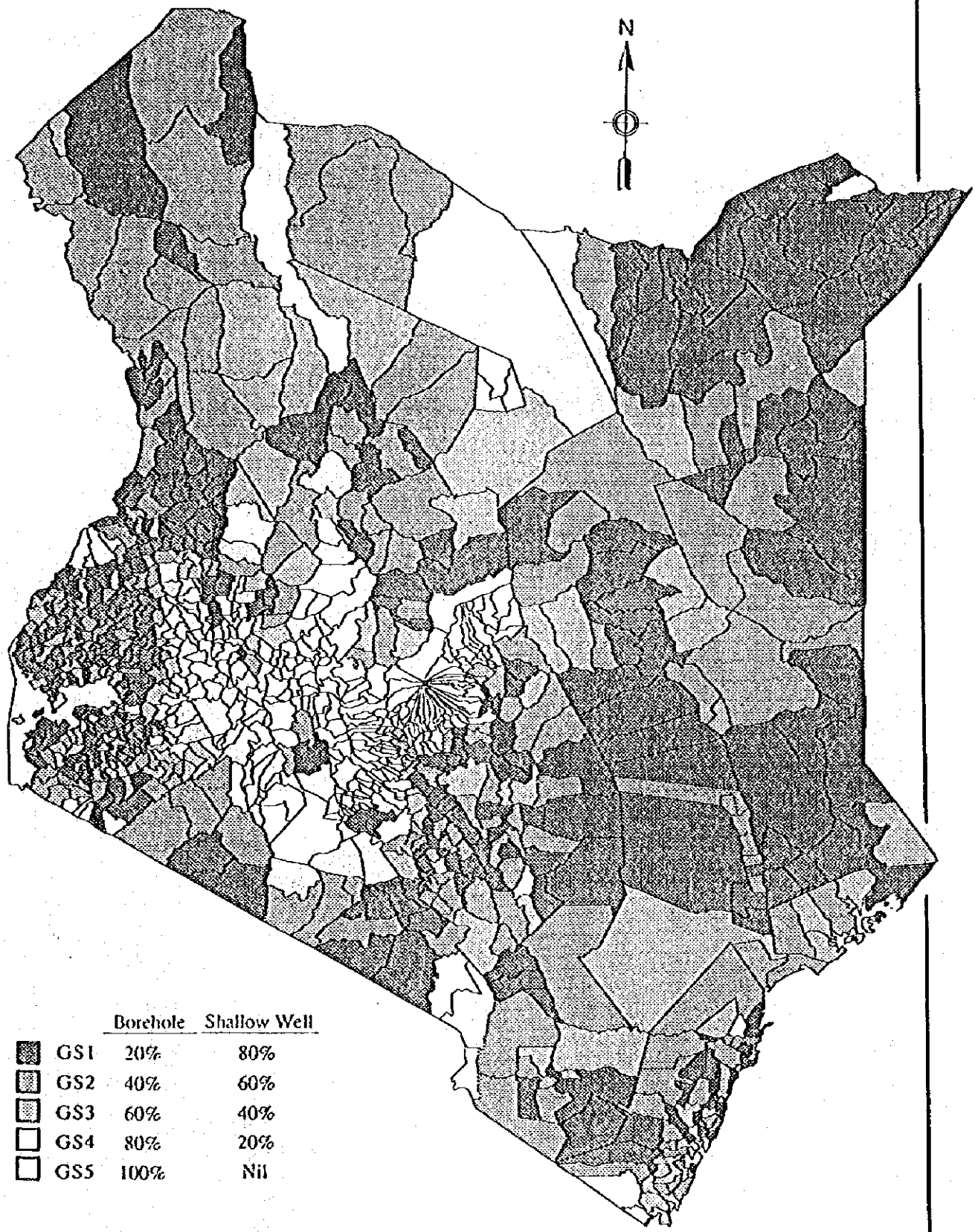
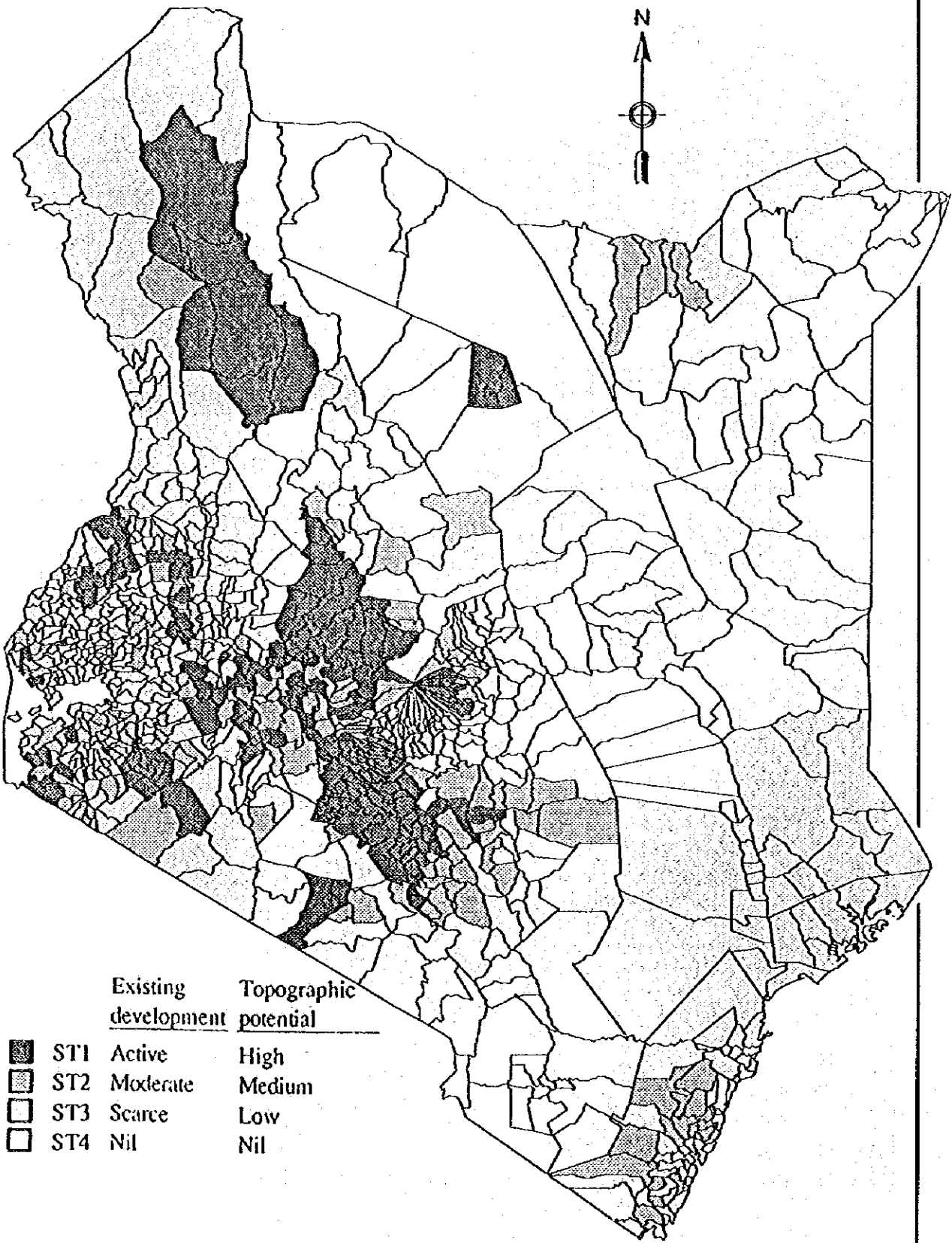


Figure 4.5 Share between Boreholes/Shallow Well Developments

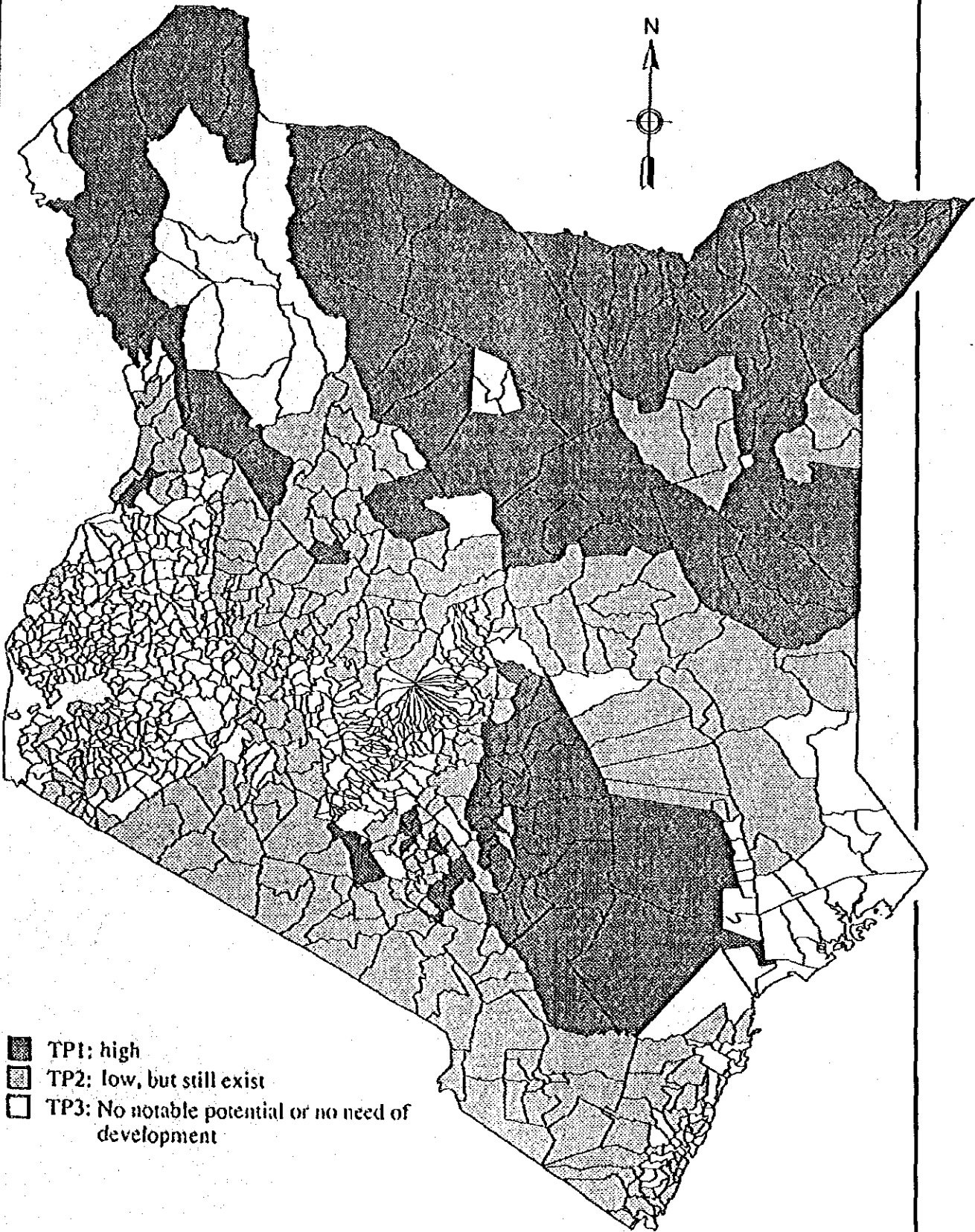
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	Existing development	Topographic potential
■	ST1 Active	High
▨	ST2 Moderate	Medium
□	ST3 Scarce	Low
□	ST4 Nil	Nil

Figure 4.6 Topographical Potential of Small Dam Development

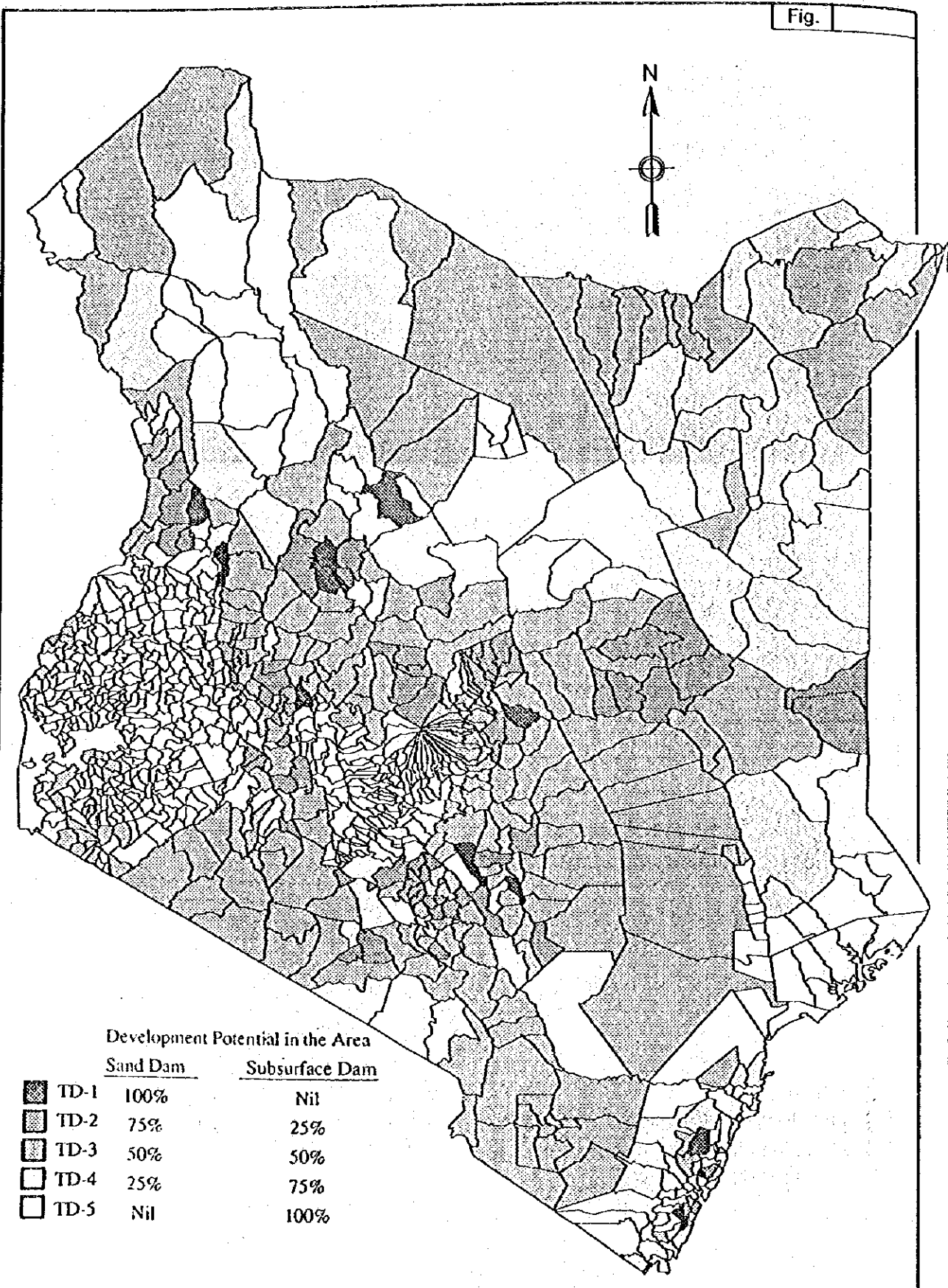
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- TP1: high
- TP2: low, but still exist
- TP3: No notable potential or no need of development

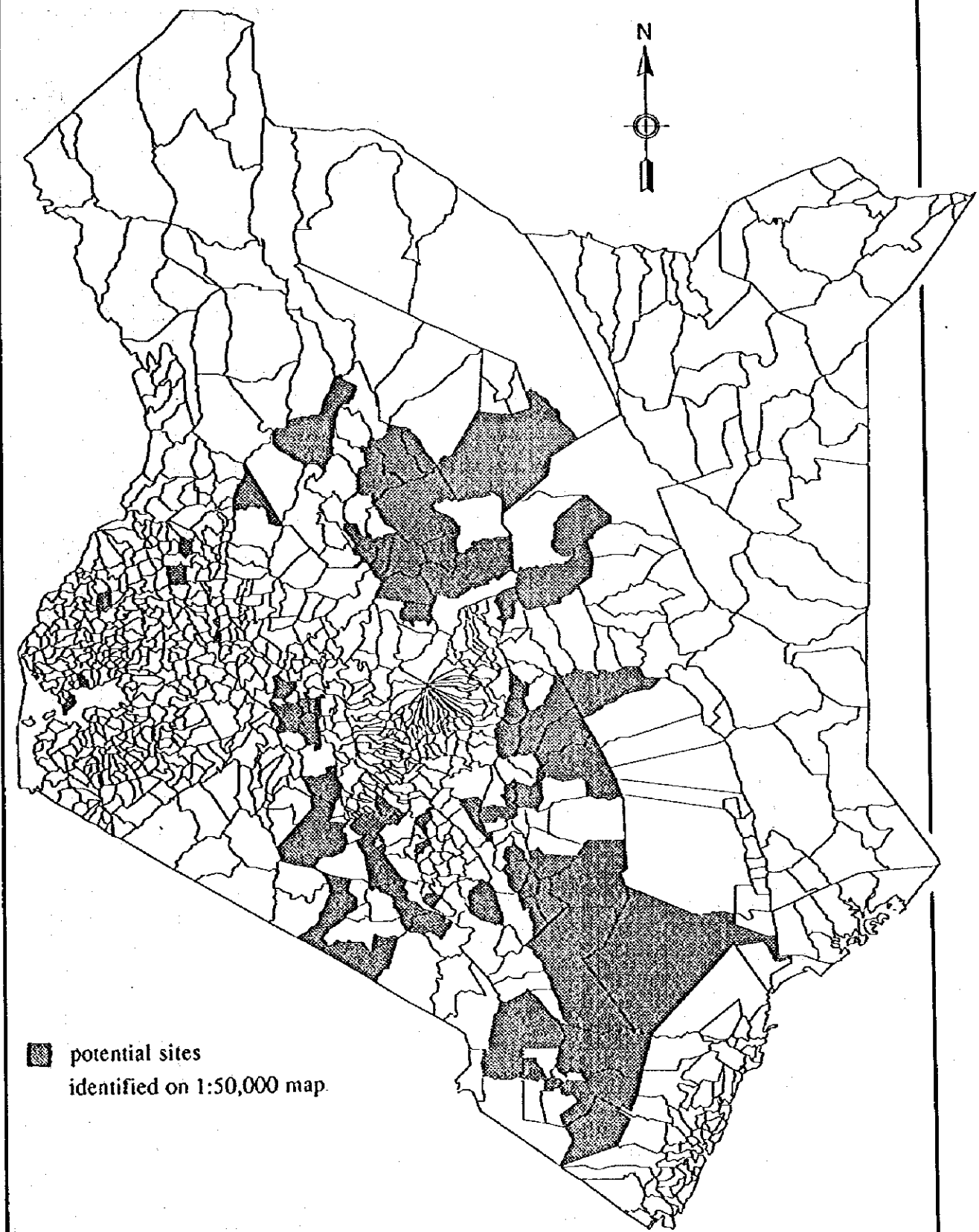
Figure 4.7 Topographical Potential of Subsurface Dam

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Development Potential in the Area		
	<u>Sand Dam</u>	<u>Subsurface Dam</u>
■ (Diagonal lines /)	TD-1 100%	Nil
■ (Diagonal lines \)	TD-2 75%	25%
■ (Cross-hatch)	TD-3 50%	50%
□ (Horizontal lines)	TD-4 25%	75%
□ (White)	TD-5 Nil	100%

Figure 4.8 Share between Subsurface Dam/Sand Dam Developments



■ potential sites
identified on 1:50,000 map.

Figure 4.9 Potential Sites of Rock Catchment

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Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
1	110.0	Nairobi	1	4	3	1	1	3		4	
2	211.1	Kiambaa	1	4	2	5	1	3			100
3	211.2	Kihara	1	4	2	5	1	3			
4	211.3	Tinganga	1	4	2	5	1	3			19
5	211.4	Kiambu Municipality	1	4	2	5	1	3			100
6	212.1	Ngenda	1	4	2	5	1	3			20
7	212.2	Mangu	1	3	2	5	1	3			
8	212.3	Kiganjo	1	4	2	5	1	3			
9	212.4	Chania	1	4	2	5	1	3			7
10	212.5	Ndarugu	1	4	2	5	1	3			6
11	213.1	Limuru	2	4	2	5	1	3			42
12	213.2	Tigoni	1	4	2	5	1	3			
13	213.3	Ngecha	3	4	2	5	1	3			63
14	213.4	Ndeiya	1	2	2	5	1	3			
15	214.1	Ruiru	1	4	2	4	1	3		3	44
16	214.2	Gatuanyaga	2	3	2	3	1	3			
17	214.3	Juja	1	3	2	5	1	3			26
18	214.4	Thika Municipality	1	4	2	5	1	3			
19	215.1	Githunguri	1	3	2	5	1	3			26
20	215.2	Ikinu	1	4	2	5	1	3			17
21	215.3	Komothai	1	3	2	5	1	3			14
22	216.1	Kabete	1	4	2	5	1	3			
23	216.2	Nyathuna	1	4	2	5	1	3			
24	216.3	Karai	4	4	2	5	1	3			44
25	216.4	Muguga	1	4	2	5	1	3			
26	216.5	Kinoo	1	4	2	5	1	3			
27	216.6	Kikuyu	1	4	2	5	1	3			56
28	217.1	Lari	2	4	2	5	1	3			45
29	217.2	Kijabe	2	4	2	5	1	3			
30	217.3	Gatamayu	1	4	2	5	1	3			100
31	221.1	Tebere	1	4	1	5	2	3			
32	221.2	Murinduko	3	4	2	4	2	3			
33	221.3	Nyagati	1	3	2	5	2	3			
34	221.4	Mutithi	1	3	1	5	2	3			
35	221.5	Thiba	1	4	1	5	2	3			47
36	222.1	Mulira	1	4	2	5	2	3			
37	222.2	Kiine	1	4	3	3	2	3			20
38	222.3	Inoi	1	4	2	5	2	3			
39	222.4	Mwerua	1	4	2	5	2	3			
40	223.1	Ngariama	1	2	2	5	2	3			
41	223.2	Kabare	1	4	2	5	2	3			
42	223.3	Baragwi	1	4	2	5	2	3			
43	231.1	Kariara	1	4	3	5	1	3			
44	231.2	Ruchu	1	4	2	5	1	3			
45	231.3	Gaichanjiru	1	2	2	5	1	3			

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter							TD	Rock	Pipe
	Code	Name	PR	GA	GQ	GS	ST	TP				
46	231.4	Muruka	1	4	2	5	1	3				
47	231.5	Gatanga	1	3	2	5	1	3				
48	232.1	Kinyona	1	4	3	5	1	3				
49	232.2	Kigumo	1	4	2	5	1	3			10	
50	232.3	Nginda	1	4	1	5	1	3				
51	232.4	Muthithi	1	4	2	5	1	3			7	
52	232.5	Samar	1	4	2	4	1	3				
53	232.6	Kamahuha	1	3	3	3	1	3				
54	232.7	Maragua Ridge	1	4	2	2	1	3				
55	233.1	Kiru	1	4	3	5	1	3				
56	233.2	Kiriti	1	2	3	5	1	3				
57	233.3	Gitugi	1	4	3	4	1	3				
58	233.4	Iyego	1	4	3	5	1	3				
59	233.5	Kanyenyaini	1	4	3	5	1	3				
60	234.1	Mugoiri	1	4	3	5	1	3				
61	234.2	Weithaga	1	4	2	5	1	3				
62	234.3	Mbiri	1	4	1	3	1	3				
63	234.4	Gaturi	1	3	2	2	1	3				
64	234.5	Gikindu	1	4	2	2	1	3				
65	234.6	Murang'a Old Town	1	2	1	2	1	3				
66	235.1	Makuyu	1	3	3	2	1	3				
67	235.2	Mitubiri	1	4	3	5	1	3				
68	235.3	Kakuzi/Ithanga	3	3	3	1	1	3				
69	241.1	Dundori	2	3	3	5	1	3				
70	241.2	Rurii	3	4	3	5	1	3				
71	241.3	Oi Kalou	3	4	3	5	1	3			2	
72	241.4	Tumaini	3	4	3	5	1	3			2	
73	241.5	Kaimbaga	3	3	3	5	1	3			2 33	
74	242.1	Oi'Joro Orok	3	4	3	5	2	3				
75	242.2	Gathanji	3	4	3	5	2	3				
76	243.1	Ndaragwa	2	4	2	4	2	3				
77	243.2	Shamata	2	4	3	4	1	3				
78	243.3	Kiriita	2	4	3	5	1	3				
79	243.4	Mathingira	2	4	1	5	1	3				
80	243.5	Leshau	2	4	1	5	1	3				
81	244.1	Wanjohi	2	4	3	4	2	3				
82	244.2	Geta	2	4	3	5	2	3			7	
83	244.3	Kipipiri	2	4	3	5	1	3				
84	244.4	Lereshwa	3	4	3	3	1	3				
85	245.1	North Kinangop	2	4	3	5	2	3				
86	245.2	Engincer	2	3	3	5	1	3				
87	245.3	South Kinangop	2	4	3	5	1	3				
88	245.4	Nyakio	2	4	2	5	1	3				
89	245.5	Magumu	2	4	2	5	2	3				
90	251.1	Gakawa	1	2	3	5	1	3				

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
91	251.2	Kamburaini	1	3	3	5	2	3			
92	251.3	Kabaru	1	4	3	5	2	3			
93	252.1	Mweiga	1	4	3	5	1	3			
94	252.2	Mwiyogo	1	4	2	5	1	3			
95	252.3	Endarasha	1	4	3	5	2	3			
96	252.4	Gatarakwa	1	3	2	5	2	3			
97	252.5	Mugunda	1	4	2	5	2	3			
98	253.1	Muhito	1	4	3	5	2	3			
99	253.2	Gakindu	1	4	3	5	2	3			
100	253.3	Gikondi	1	4	3	3	2	3			
101	253.4	Rutune	1	2	2	2	2	3			
102	253.5	Gethi	1	3	3	2	2	3			
103	254.1	Iria-Ini	1	4	3	5	2	3			
104	254.2	Konyu	1	4	3	4	2	3			
105	254.3	Kirimukuyu	1	4	3	5	2	3			
106	254.4	Ngorano	1	4	3	5	2	3			
107	254.5	Ruguru	1	4	3	5	2	3			
108	254.6	Magutu	1	4	2	5	2	3			
109	255.1	Aguthi	1	4	3	5	2	3			
110	255.2	Thigingi	1	4	3	5	2	3			
111	255.3	Tetu	1	4	3	5	2	3			
112	255.4	Muhoya	1	4	3	5	1	3			
113	256.1	Karima	1	4	3	5	1	3			
114	256.2	Chinga	1	4	3	5	2	3			
115	256.3	Iria-Ini	1	4	3	5	2	3			
116	256.4	Mahiga	1	4	3	5	2	3			
117	257.0	Nyeri Municipality	1	4	3	5	2	3			60
118	311.1	Kaloleni	5	2	3	1	2	3			
119	311.2	Kayafungo	5	2	3	3	2	2	3		
120	311.3	Mariakani	5	2	3	1	2	3			67
121	311.4	Mwarakaya	5	2	3	2	2	2	2		100
122	311.5	Chonyi	5	2	3	3	2	3			52
123	311.6	Rabai	5	2	3	1	3	3			100
124	311.7	Ruruma	5	2	3	3	3	3			
125	311.8	Kambe Ribe	5	2	3	1	3	3			
126	311.9	Jibana	5	2	3	2	3	2	1		
127	312.1	Ndingiria	5	2	3	2	2	2	5		
128	312.2	Bamba	5	2	3	1	2	2	3		
129	312.3	Ganze	5	2	3	2	2	2	1		
130	312.4	Kauma	5	2	3	1	2	3	5		100
131	312.5	Sokoke	5	2	3	1	3	2	4		100
132	312.6	Vitengeni	5	2	3	1	2	2	4		50
133	313.1	Roka	5	2	3	1	3	3			
134	313.2	Tezo	5	2	3	2	3	3			61
135	313.3	Takaungu/Mavueni	5	2	3	1	3	3			

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
136	313.4	Junju	5	2	3	2	3	3			31
137	313.5	Mtwara	5	2	3	1	3	3			100
138	314.1	Chakama	4	2	3	2	3	2	5		
139	314.2	Jilore	4	2	2	1	3	3			100
140	314.3	Gede	5	2	3	1	3	3			100
141	314.4	Malindi Town	4	2	2	2	3	3			51
142	314.5	Ganda	4	2	3	2	3	3			58
143	314.6	Magarini	3	2	2	2	3	3			39
144	314.7	Dagamra	3	2	3	2	3	3			95
145	314.8	Garashi	3	2	3	1	3	3			73
146	314.9	Baricho	4	2	3	3	3	2	3		
147	314.A	Marafa	5	2	3	1	3	2	4		
148	314.B	Fundisha	4	2	3	4	3	2	4		
149	314.C	Adu	4	2	3	2	3	3			
150	321.1	Shimba North	3	2	3	2	2	2	1		77
151	321.2	Waa	3	2	2	1	3	2	3		
152	321.3	Tiwi	5	2	2	3	3	2	3		
153	321.4	Ngombeni	5	2	3	4	3	2	2		38
154	322.1	Mkongani	4	2	3	3	3	2	4		
155	322.2	Mwaluphamba	5	2	3	3	2	3			
156	322.3	Lukore	4	2	3	2	2	2	3		
157	322.4	Majimboni	4	2	3	2	3	3			
158	322.5	Shimba Hills Nat. Reserve	3	2	3	3	3	3			
159	323.1	Kinango South	3	2	3	3	3	3			94
160	323.2	Kinango North	3	2	3	2	3	3			100
161	323.3	Kilibole West	5	2	3	2	3	2	4		
162	323.4	Kilibole East	5	2	3	3	3	3			
163	323.5	Puma	4	2	3	1	2	2	5		
164	323.6	North Samburu	5	2	3	2	3	2	5		50
165	323.7	South Samburu	5	2	3	1	2	2	4		
166	323.8	Ndavaya	4	2	3	2	3	2	5		
167	323.9	Mwavumbo	5	2	3	2	3	3			
168	324.1	Msambweni	5	2	3	3	3	2	4		58
169	324.2	Shirazi/Funzi	5	2	2	3	3	2	5		
170	324.3	Pongwe/Kidimu	5	2	3	3	3	3			
171	324.4	Vanga	5	2	2	1	3	3			
172	324.5	Lungalunga	4	1	2	4	3	2	4		
173	324.6	Mwereni	4	2	3	4	3	2	4		
174	324.7	Kikoneni	4	2	3	3	2	2	4		
175	324.8	Diani	5	2	2	2	3	2	4		23
176	331.0	Witu	5	2	3	2	3	3			68
177	332.1	Mkunumbi	5	2	3	3	3	3			17
178	332.2	Mpcketoni/Baharini	5	2	2	3	3	3			27
179	333.1	Mokowe	5	2	3	2	3	3			21
180	333.2	Lamu Town	5	2	1	2	3	3			

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
181	333.3	Lamu Island	5	2	1	3	3	3			
182	333.4	Manda/Shela Island	5	2	1	3	3	3			
183	334.1	Kiunga	5	2	2	1	3	3			
184	334.2	Milimani	5	2	3	3	3	3			
185	335.1	Ndau/Kuwayu Island	5	2	3	2	3	3			
186	335.2	Faza/Tchudwa/Kizingitini	5	3	1	1	3	3			
187	335.3	Siu	5	2	1	3	3	3			
188	340.0	Mombasa	5	2	3	4	3	3			10
189	351.1	Taveta	3	2	3	4	3	2	3		
190	351.2	Kimorigho	4	2	3	2	3	2	3		
191	351.3	Chala	4	2	3	2	3	2	3	29	100
192	352.1	Mbololo	4	2	3	3	3	2	3	10	100
193	352.2	Sagala	5	2	3	1	3	2	3	3	43
194	352.3	Kisigau	5	2	3	1	3	2	3	17	
195	352.4	Voi	4	2	3	3	3	2	3		58
196	353.1	Mbale	3	2	3	1	3	2	3		
197	353.2	Werugha	3	2	3	3	3	2	3		
198	353.3	Mwanda	3	2	3	2	3	2	3	4	
199	354.1	Chawia	4	2	3	2	3	2	3		
200	354.2	Bura	4	2	3	1	3	2	3		
201	361.1	Mbalambala	4	2	2	1	3	3	3	5	
202	361.2	Saka	4	2	3	1	0	2	3		
203	361.3	Madogo	4	2	3	1	0	2	3		
204	362.1	Nanighi	4	2	3	1	0	2	3		
205	362.2	Chewele	4	2	3	2	0	2	3		
206	362.3	Bura	4	2	3	2	0	2	3		
207	363.1	Wayu	5	2	3	1	3	1	3		
208	363.2	Milalulu	4	2	3	2	3	3			
209	363.3	Zabaki	4	2	3	2	3	3			
210	363.4	Ndura	4	2	3	2	3	3			37
211	363.5	Kinakomba	4	2	3	1	3	3			
212	363.6	Gwano	4	2	3	2	3	3			
213	364.1	Bilisa	5	2	3	3	3	1	3	3	
214	364.2	Ndera	4	2	3	1	3	3			
215	364.3	Salama	4	2	3	1	3	3			10
216	364.4	Mgao	4	2	3	2	3	3			
217	364.5	Chara	4	2	3	2	3	3			
218	411.1	Nginda	1	4	2	5	2	3			
219	411.2	Ngandori	1	3	2	5	2	3			
220	411.3	Gaturi North	1	4	2	5	2	3			
221	411.4	Gaturi South	3	3	2	4	2	3			
222	411.5	Kyeni North	1	3	2	5	2	3			
223	411.6	Kyeni South	1	4	2	5	2	3			
224	411.7	Kigaari North	1	3	2	5	2	3			
225	411.8	Kigaari South	3	4	2	4	2	3			20

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
226	412.1	Nihawa	4	2	2	1	3	3			18
227	412.2	Muminji	4	2	2	2	3	2	3		
228	412.3	Kiangombe	4	2	3	4	3	2	3		
229	412.4	Eyuröre	4	2	2	2	3	2	3		
230	413.1	Mbeti North	3	3	2	5	3	3			
231	413.2	Mbeti South	4	3	1	2	3	3			
232	413.3	Mavuria	4	2	1	1	3	2	3		
233	413.4	Kiambere	4	2	2	1	3	2	3		
234	413.5	Marima	4	2	1	1	3	2	3		
235	413.6	Karaba	3	3	3	1	3	3			
236	413.7	Embu Municipality	3	4	2	5	3	3			
237	421.1	Central	4	2	3	5	3	2	3		3
238	421.2	Oldonyonyiro	4	3	3	1	3	2	3	3	
239	422.1	Garbatula	4	2	3	3	0	2	3		
240	422.2	Kinna	4	2	2	3	3	2	3		
241	422.3	Kulamawe	4	3	3	2	0	2	3	13	
242	422.4	Madogashe/Eldera	5	2	3	1	0	2	3		
243	422.5	Sericho	5	2	3	1	0	1	4		
244	423.1	Merti	5	2	3	2	0	1	5	1	3
245	423.2	Bisani Kiliku	4	2	3	1	0	1	5		
246	423.3	Malragalla	4	2	3	2	0	1	4		
247	431.1	Mufango	3	2	2	2	2	1	4		
248	431.2	Kisasi	5	2	2	1	3	1	3	5	
249	431.3	Matinyani	5	2	3	2	2	1	3		24
250	431.4	Changwithya	5	2	2	1	2	1	3		51
251	431.5	Miambani	5	2	3	2	3	2	3		
252	431.6	Nzambani	5	2	3	2	3	2	1		
253	431.7	Yatta	5	3	2	1	3	2	2		
254	431.8	Yatta B2	5	2	2	1	2	1	4		
255	432.1	Mutito	5	2	3	1	2	1	3		
256	432.2	Endau	5	2	3	1	2	1	3		
257	432.3	Mui	5	2	3	3	2	1	2	3	
258	432.4	Zombe	5	2	3	2	3	1	3		
259	432.5	Nuu	5	2	3	2	2	1	3		
260	433.1	Ikanga	5	2	2	2	2	1	3	14	
261	433.2	Mutomo	5	1	3	4	3	1	3	8	37
262	433.3	Athi	5	2	3	2	3	1	4		
263	433.4	Ikutha	5	2	3	3	3	1	3	1	
264	433.5	Kanziku	5	2	3	1	3	1	2	12	
265	433.6	Voo	5	2	3	1	3	1	3	10	
266	433.7	Mutha	5	2	3	1	3	1	3	1	
267	434.1	Mutonguni	5	2	2	1	1	1	2	2	
268	434.2	Migwani	5	2	2	3	2	1	3	11	
269	434.3	Migwani West	5	2	2	2	2	1	3		
270	434.4	Mwingi	5	2	2	1	3	1	3		15

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter									Pipe
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock		
271	434.5	Endui	5	2	2	1	3	1	3			32
272	435.1	Mivukoni	4	2	3	2	3	1	3	11		29
273	435.2	Katse	4	2	3	1	3	1	3	1		84
274	435.3	Tseikuru	4	2	2	3	3	1	3			8
275	435.4	Tharaka	4	2	3	2	3	2	3	3		
276	435.5	Ngomeni	5	2	3	2	3	1	3	8		
277	435.6	Ukasi	5	2	3	1	3	1	3	5		
278	436.0	Tsavo National Park	5	2	3	2	3	1	4	1		
279	441.1	Muvuti	2	2	3	1	1	2	2			
280	441.2	Mutitoni	2	4	3	4	1	2	2			6
281	441.3	Mumbuni	2	2	2	2	1	2	2			21
282	442.1	Iveti	2	2	3	2	1	1	2	1		49
283	442.2	Mitaboni	2	3	3	2	1	1	2			
284	442.3	Settlement Area	2	3	3	2	1	2	3			61
285	443.1	Mbiuni	4	2	3	1	1	2	2			
286	443.2	Mwala	4	2	3	2	1	2	3			
287	443.3	Masii	3	2	3	1	1	2	3			
288	443.4	Wamunyu	4	2	3	2	2	2	3			
289	443.5	Mutheteni	4	2	3	2	1	1	3			
290	443.6	Kibaoni	4	2	2	2	2	2	2			
291	443.7	Kalawa	4	2	2	1	2	1	3			
292	444.1	Iulimani	3	2	3	2	1	2	2			
293	444.2	Mbooni	4	2	3	3	2	2	2			
294	444.3	Kiteta	4	2	2	1	2	2	2			
295	444.4	Kisau	4	2	2	1	2	2	2			
296	445.1	Kangundo	3	3	3	1	1	1	2			
297	445.2	Matungulu	3	3	3	3	1	1	2	4		67
298	445.3	Donyo Sabuk	3	3	3	3	1	3				
299	446.1	Kinyaata	5	3	3	1	2	3				
300	446.2	Matuu	4	3	2	1	1	2	3			
301	446.3	Ndalani	4	3	2	1	3	2	3			
302	446.4	Ndithini	4	2	3	2	2	3				
303	446.5	North Yatta	5	2	2	3	2	2	3			
304	447.1	Okia	4	2	3	2	2	2	3			
305	447.2	Kalama	3	2	3	1	1	2	3			
306	447.3	Kithembe	3	2	3	1	1	2	3			
307	447.4	Kilungu	4	2	3	2	2	2	3			
308	447.5	Mukaa	4	2	3	1	1	2	3			
309	447.6	Kasikeu	4	2	3	2	1	2	3	1		
310	447.7	Konza South	4	2	2	1	2	2	3			100
311	447.8	Konza North	3	2	2	3	1	3				67
312	448.1	Makueni	5	2	3	1	2	1	3			
313	448.2	Kathonzweni	4	2	3	2	2	2	3	6		
314	448.3	Nzau	5	2	3	2	2	1	3			5
315	448.4	Mbitini	5	2	3	2	2	2	2			

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter									
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe	
316	449.1	Makindu	4	2	3	3	3	2	3		2	
317	449.2	Kikumbulyu	4	2	3	2	3	2	3		49	
318	449.3	Ngwata	4	3	3	1	3	2	3		27	
319	449.4	Mtito Andei	4	3	3	1	3	2	3		30	
320	440.A	Tsavo National Park	4	2	2	1	3	2	3			
321	451.1	North Horr	5	3	3	2	0	1	4			
322	451.2	Dukana	5	3	3	2	0	1	3			
323	451.3	Maikona	5	4	3	4	0	1	3			
324	452.1	Loiyangalani	5	4	3	3	0	1	3			
325	452.2	Kargi	5	2	3	2	0	1	3			
326	453.1	Korr	5	3	3	2	0	1	3			
327	453.2	Logologo	5	2	2	3	0	1	5	3	13	
328	454.1	Mountain	4	4	3	5	1	3			40	
329	454.2	Karare	4	4	3	5	1	3			78	
330	454.3	Sagante	4	4	2	5	1	3				
331	455.1	Uran	5	3	3	4	3	1	3			
332	455.2	Sololo	5	3	3	2	3	1	3			
333	456.1	Moyale	5	2	2	1	2	1	3			
334	456.2	Butiye	5	4	3	1	2	1	3			
335	456.3	Godoma	5	3	3	1	2	1	3			
336	461.1	Kiirua	1	4	2	5	2	3			47	
337	461.2	Giaki	3	3	3	5	3	3	3			
338	461.3	Nyaki	3	4	3	5	2	3	3		61	
339	461.4	Ntima	3	4	3	5	2	3	3		18	
340	462.1	Mwanganthia	3	4	3	2	2	3	3			
341	462.2	Gatimbi	3	4	3	5	2	3	3			
342	462.3	Abochuguchi	1	3	2	5	2	3	3			
343	462.4	Kibirichia	3	4	3	5	2	3	3			
344	463.1	Nkuçene	1	4	3	5	1	3	3		11	
345	463.2	Igoki	1	3	3	5	1	3	3			
346	463.3	Abogeta	1	4	3	5	1	3	3			
347	463.4	Mitine	1	4	3	3	1	3	3			
348	463.5	Igoji	1	4	3	5	1	3	3			
349	463.6	Kanyakine	3	3	3	3	2	3	3			
350	463.7	Mitunguu	3	3	3	2	2	3	3			
351	464.1	Chogoria	1	4	3	5	1	3	3		25	
352	464.2	Muthambe	1	4	3	5	1	3	3			
353	464.3	Karingani	1	2	3	5	1	3	3		11	
354	464.4	Mwonge	1	4	3	5	2	3	3			
355	464.5	Magumoni	1	4	2	4	2	3	3			
356	464.6	Kanjuki	3	2	3	1	3	3	3			
357	464.7	Kiera	3	2	3	4	2	3	3			
358	465.1	Thangatha	4	4	3	3	2	3	3			
359	465.2	Mbeu	3	4	3	3	2	3	3			
360	465.3	Mikinduri	3	4	3	2	2	3	3			

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
361	465.4	Uringu	3	4	3	5	3	3	3		
362	465.5	Kianjai	3	4	3	5	3	3	3		
363	465.6	Akithi	4	4	3	5	3	2	2		
364	465.7	Muthara	4	4	3	5	3	2	2		
365	465.8	Mituntu	4	4	2	5	3	3	3		
366	466.1	Gikingo	4	3	2	1	3	1	1		
367	466.2	Gatue	4	2	3	1	3	2	2	4	
368	466.3	Marimanti	4	2	3	2	3	2	2		
369	466.4	South Tharaka	4	3	3	1	3	2	2		
370	467.1	Akachiu	4	3	2	2	3	3	3		
371	467.2	Maua	4	4	2	5	3	3	3		
372	467.3	Njia	4	3	3	5	3	2	2		
373	468.1	Uthiru/Rujine	4	3	3	5	3	2	2		
374	468.2	Ithima	4	3	3	5	3	2	2		
375	468.3	Mutuati	3	4	3	5	3	2	2	1	
376	469.0	Timau	5	4	1	5	3	2	2		
377	511.1	Jara Jara Rahole	5	2	2	2	0	2	2		
378	511.2	Mbalambala	5	2	2	1	0	2	2		
379	511.3	Saka	5	2	3	1	0	2	2		
380	512.1	Liboi	5	2	3	2	0	2	2		
381	512.2	Damajare	5	2	3	1	0	2	2		
382	513.1	Madogashe	5	2	3	1	0	2	2		
383	513.2	Garufa	5	2	3	3	0	2	2		
384	513.3	Goreale	5	2	3	3	0	2	2		
385	513.4	Benane	5	2	3	1	0	2	3		
386	514.1	Hulugbo	5	2	3	3	3	3			
387	514.2	Galma Galla	5	2	3	1	3	3			
388	515.1	Sangailu	5	2	3	1	3	3			
389	515.2	Ijara	5	2	3	1	3	3			
390	515.3	Kotile	5	2	3	1	3	3			
391	515.4	Masalani	5	2	3	1	3	2	4		3
392	516.0	Bura	5	2	3	1	3	2	4		
393	517.1	Jara Jita	5	2	3	1	3	3			
394	517.2	Welmerer	5	2	3	1	3	3			
395	518.0	Dadaab	5	2	3	2		2	3		
396	519.1	Sankuri	4	2	3	2		2	3		2
397	519.2	Korakora	5	2	3	2		2	3		
398	521.1	Mandera	4	2	3	1		1	4		10
399	521.2	Neboi	4	2	3	1		1	4		
400	521.3	Kalaliyo	4	2	3	1		1	4		
401	522.1	Arabia	5	2	3	1		1	3		
402	522.2	Libehia	4	2	3	1		1	4		
403	523.1	Elwak	5	2	3	1		1	3		
404	523.2	Kotulo	5	2	3	3		1	3		
405	524.1	Ashabito	5	2	3	1		1	3		

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
406	524.2	Rhamu	4	2	3	1		1	4		4
407	524.3	Rhamu Dimtu	4	4	3	5		1	4		
408	525.1	Banisa	5	2	3	1		1	4		
409	525.2	Malka Mari	4	2	3	1		1	4		
410	526.1	takaba	5	2	3	1		1	4		
411	526.2	Dandu	5	2	3	1		1	4		
412	531.1	Habaswein	5	2	3	2		1	4		
413	531.2	Banane	5	2	3	1		1	4		
414	531.3	Sabule	5	2	3	2		1	4		
415	532.1	Kulaley	5	2	3	2		1	4		
416	532.2	Wargadud	5	2	3	1		1	4		
417	532.3	Tarbaj	5	2	3	2		1	4		
418	532.4	Wajir Township	5	2	3	1		3			
419	533.1	Khorof/Hifarar	5	2	3	1		2	4		
420	533.2	Wajir Bor	5	2	3	1		2	4		
421	534.0	Dif	5	2	3	1		1	4		
422	535.1	Wagala	5	2	3	1		2	3		
423	535.2	Arbajahan	5	2	3	3		2	4		
424	535.3	Griftu	5	2	3	2		2	4		
425	535.4	Eidas	5	2	3	1		2	4		
426	536.1	Korondife	5	2	3	1		1	4		
427	536.2	Buna	5	2	3	1		1	4		
428	537.1	Gurar	5	2	3	1	3	1	3		
429	537.2	Bute	5	2	3	1	2	1	3		
430	537.3	Godoma	5	2	3	1	2	1	3		
431	611.1	Central Kitutu	1	2	2	3	3	3			30
432	611.2	Eronge	1	2	2	1	3	3			23
433	611.3	Marani	1	2	1	3	3	3			
434	611.4	Nyakoc	1	2	1	2	3	3			
435	611.5	East Kitutu	1	2	3	1	2	3			5
436	611.6	North Kitutu	1	2	2	1	2	3			
437	612.1	West Mugirango	1	2	2	1	2	3			
438	612.2	East Mugirango	1	2	2	1	2	3			
439	612.3	North Mugirango	1	2	3	1	2	3			
440	612.4	North Mugirango Chache	1	2	3	1	2	3			
441	613.1	North Borabu	1	2	3	1	1	3			
442	613.2	Borabu	2	2	3	2	1	3			
443	614.1	Nyaribari Chache West	1	2	2	3	1	3			22
444	614.2	Nyaribari Chache East	1	2	3	1	2	3			35
445	614.3	Nyaribari Central	2	2	3	1	2	3			16
446	614.4	Nyaribari Masaba	2	2	3	3	1	3			
447	615.0	Kisii Municipality	1	2	2	1	3	3			43
448	616.1	North Wanjare	1	2	1	1	3	3			
449	616.2	South Wanjare	1	2	2	2	3	3			
450	616.3	South Mugirango Chache	1	2	3	1	3	3			

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
451	616.4	South Mugirango Borabu	2	2	3	2	2	3			
452	617.1	Majoge Chache	1	2	3	2	3	3			
453	617.2	Majoge Masaba	2	2	3	1	3	3			
454	617.3	Majoge Borabu	2	2	3	3	2	3			
455	617.4	Bassi Chache	1	2	3	1	3	3			
456	617.5	Kioyo	2	2	3	3	3	3			
457	617.6	Bassi borabu	2	2	3	3	3	3			
458	621.1	East Seme	4	2	3	1	3	3			
459	621.2	Central Seme	4	2	3	3	3	3			
460	621.3	West seme	4	2	3	1	3	3			7
461	622.1	West Kisumu	3	3	3	2	3	3			
462	622.2	Central Kisumu	3	2	3	3	3	3			
463	622.3	East Kisumu	3	3	3	3	3	3			
464	622.4	Kajulu	3	2	2	2	3	3			
465	622.5	Koiwa	4	2	3	3	3	3			
466	623.1	North East Kano	3	2	3	1	3	3			
467	623.2	South East Kano	3	2	3	1	3	3			
468	624.1	North West Kano	4	2	3	1	3	3			
469	624.2	South West Kano	4	2	3	2	3	3			
470	625.1	Koru	1	3	3	3	3	3			
471	625.2	Muhoroni	1	2	3	2	3	3			
472	625.3	Chemelil	1	2	3	2	3	3			
473	625.4	Miwani	2	2	2	2	3	3			
474	626.1	North Nyakach	2	2	3	1	3	3			
475	626.2	South Nyakach	2	3	3	4	3	3			
476	626.3	West Nyakach	4	2	2	2	3	3			
477	631.1	east Uyoma	4	4	3	5	3	3			7
478	631.2	Central Uyoma	4	3	2	1	3	3			
479	631.3	West Uyoma	4	4	3	2	3	3			
480	631.4	West Asembo	4	2	2	1	3	3			
481	631.5	Central Asembo	4	2	2	2	3	3			
482	631.6	East Asembo	4	2	2	2	3	3			
483	632.1	South Sakwa	4	2	2	1	3	3			
484	632.2	North Sakwa	3	2	2	1	2	3			
485	632.3	Central Sakwa	4	2	2	3	1	3			
486	632.4	West Sakwa	3	2	2	1	2	3			56
487	632.5	East Yimbo	4	2	2	1	2	3			
488	632.6	Central Yimbo	4	2	2	1	2	3			
489	632.7	West Yimbo	4	2	2	2	1	3			
490	633.1	South Gem	2	2	3	3	3	3			
491	633.2	East Gem	2	2	3	1	3	3			21
492	633.3	Central Gem	2	2	3	1	3	3			
493	633.4	North Gem	2	2	3	2	3	3			
494	634.1	East Alego	3	2	2	1	3	3			
495	634.2	North Alego	3	2	2	1	3	3			

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
496	634.3	South Alego	3	2	2	1	3	3			
497	634.4	Central Alego	3	2	2	2	2	3			
498	634.5	West Alego	3	2	2	1	2	3			
499	634.6	Usonga	3	2	2	1	1	3			
500	635.1	South Ugenya	2	2	2	1	1	3			
501	635.2	Uholo	2	2	1	3	3	3			
502	635.3	East Ugenya	2	2	2	1	3	3			
503	635.4	North Ugenya	3	2	2	1	3	3			
504	635.5	West Ugenya	3	2	2	1	2	3			
505	641.1	Kanyada West	4	3	3	2	1	3			
506	641.2	Kanyada East	4	3	3	2	1	3			
507	641.3	Kochia	4	1	3	4	2	3			
508	641.4	Kagan	4	2	2	1	2	3			
509	641.5	Gem	2	2	2	1	2	3			
510	642.1	Kaksingri	4	2	3	1	3	3			
511	642.2	Rusinga	4	2	3	1	3	3			
512	642.3	Mfangano	4	3	2	2	3	3			
513	642.4	Gembe	4	3	3	1	3	3			
514	642.5	Gwasi North	4	4	2	4	3	3			
515	642.6	Gwasi South	4	3	3	1	3	3			
516	642.7	Olabwwe	4	2	3	1	2	2	3		
517	643.1	Kabuoch North	2	2	3	3	3	3			
518	643.2	Kabuoch South	2	2	3	1	3	3			
519	643.3	Kanyamwa Kologi	4	3	2	2	2	3			
520	643.4	Kanyamwa Kosewe	4	4	3	3	2	3			
521	643.5	Karungu	4	3	3	1	1	3			
522	643.6	Kwabwai	4	4	3	2	1	2	3		
523	643.7	Kanyidoto	4	2	3	4	2	3			
524	644.1	North Kanyamkago	4	2	3	1	1	3			
525	644.2	South Kanyamkago	4	2	3	2	2	2	3		
526	644.3	Suna East	4	2	3	2	2	2	3		
527	645.1	Suna West	4	2	3	2	1	2	3		
528	645.2	Muhuru/South Kadem	4	3	3	2	1	3			
529	645.3	North Kadem	4	2	2	2	2	3			
530	646.1	Nyabasi West	4	2	3	1	2	3			
531	646.2	Nyabasi East	4	2	3	1	2	3			
532	646.3	Bukira East	4	4	3	4	2	2	3		
533	646.4	Bukira West	4	2	2	5	2	2	3		
534	646.5	Bwirege West	4	2	2	1	3	3			
535	646.6	Bwirege East	4	4	3	5	2	3			
536	646.7	Bugembe East	4	2	2	3	2	2	3		
537	646.8	Bugembe West	4	2	3	5	2	2	3		
538	647.1	Kabondo East	2	2	3	2	2	3			
539	647.2	Kabondo West	2	2	2	1	2	3			
540	647.3	East Kasipul	2	2	1	1	2	2	3		

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
541	647.4	Central Kasipul	2	2	1	1	2	2	3		
542	647.5	West Kasipul	2	2	2	1	2	2	3		12
543	648.1	Central Karachuonyo	4	2	2	1	3	2	3		
544	648.2	Kanyaluo	4	4	2	3	3	2	3		
545	648.3	Wang Chieng	4	1	3	3	3	2	3		
546	648.4	West Karachuonyo	4	3	3	1	3	2	3		
547	648.5	Kibiri	4	2	3	1	3	2	3		
548	649.1	North Sakwa	1	2	3	1	3	3			
549	649.2	West Sakwa	2	2	3	2	3	2	3		
550	649.3	Central Sakwa	2	2	3	1	3	2	3		
551	649.4	South Sakwa	2	2	3	1	3	2	3		
552	649.5	North Kamagambo	1	2	3	1	3	2	3		
553	649.6	Central Kamagambo	1	2	3	1	3	2	3		
554	649.7	West Kamagambo	2	2	3	1	3	3			
555	649.8	South Kamagambo	2	2	3	2	3	3			
556	711.1	Odomongi	4	4	3	4	3	2	3		5
557	711.2	Orok Kiteng	4	2	2	4	3	2	4		34
558	711.3	Entonet	4	2	3	1	3	2	4		
559	712.1	Ngong	2	4	3	5	2	1	2		48
560	712.2	Keekonyokie North	5	4	2	5	3	2	3	2	
561	712.3	Keekonyokie South	4	4	2	4	3	2	3		34
562	713.1	Ildamat	4	3	2	2	1	2	4		32
563	713.2	Purko	5	2	2	1	2	2	2		
564	713.3	Dafalekutuk	5	2	3	1	2	2	2		4
565	713.4	Matapato	5	2	3	2	3	2	3		
566	713.5	Namanga	4	2	3	1	3	2	4	3	
567	713.6	Loodokilani	5	3	3	2	1	2	3	1	20
568	713.7	Kenyawa	5	3	3	2	3	2	3		20
569	713.8	Nkama	5	3	3	1	3	2	3	1	61
570	713.9	Central Kaputei	4	2	3	1	3	2	3		2
571	713.A	North Kaputei	3	4	3	4	3	1	4	1	12
572	714.1	Magadi	5	3	3	2	3	2	3		21
573	714.2	Olkiramatian	5	2	3	4	3	2	3		25
574	721.1	Sigor South	2	2	3	3	1	3			
575	721.2	Sigor North	1	4	3	2	1	3			
576	721.3	Kongasis	2	4	3	2	1	3			
577	721.4	Abosi	2	2	3	3	1	3			
578	721.5	Ndanai	2	2	3	2	1	3			
579	721.6	Mutorokwo	1	4	3	3	1	3			
580	722.1	Ekwen	1	4	3	5	2	3			
581	722.2	Longisa	2	3	3	3	2	3			
582	722.3	Merigi	2	4	3	3	2	3			
583	723.1	Kepletudo	1	3	3	3	2	3			8
584	723.2	Techoget	1	2	3	5	3	3			
585	723.3	Litein	1	3	3	2	3	3			11

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter									
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe	
586	723.4	Kislarā	1	3	3	1	3	3				
587	724.1	Mogogosiek	1	4	3	5	3	3				
588	724.2	Cheptalal	1	4	3	4	3	3				
589	724.3	Kimulot	1	4	3	5	2	3				
590	724.4	Saosa	1	4	3	5	2	3				
591	725.1	Waldai	1	3	3	5	3	3				
592	725.2	Kiptere	1	3	3	3	3	3				
593	725.3	Soin	1	2	3	3	3	3				
594	725.4	Mosop	1	4	3	5	3	3				
595	725.5	Kericho Township	1	3	3	5	3	3				
596	725.6	Chaik	1	4	3	5	3	3				
597	726.1	Kipkelion	1	4	3	5	2	3				
598	726.2	Chilchila	1	4	3	5	2	3				
599	726.3	Kipchoria	1	4	3	5	2	3				
600	727.1	Londiani	1	4	3	5	1	3			28	
601	727.2	Sorget	1	4	3	5	1	3				
602	731.1	Tigithi	1	4	2	4	1	2	3			
603	731.2	Ngobit	3	4	2	5	1	2	3			
604	731.3	Sirima	3	4	3	2	1	2	3			
605	731.4	Segera	4	3	3	3	1	2	3			
606	731.5	Nanyuki	4	2	2	2	1	2	3			
607	731.6	Daiga	3	3	3	3	1	2	2			
608	732.1	Ilgwesi	3	3	3	1	2	2	2			
609	732.2	Mukogodo	4	2	3	2	2	2	2	1		
610	732.3	Ildingiri	4	2	2	1	1	2	2			
611	733.1	Mutara	4	3	2	5	1	2	3			
612	733.2	Sosiani	4	3	2	4	1	2	3			
613	733.3	Oi-Moran	4	4	2	5	1	2	3			
614	733.4	Rumuruti	4	4	2	4	1	2	3			
615	733.5	Marmamet	3	3	2	5	1	2	3			
616	733.6	Salama	3	3	3	5	1	2	3			
617	733.7	Mutitu	3	4	3	5	1	2	1			
618	733.8	Igwamiti	3	4	3	5	1	2	1			
619	733.9	Nyahururu Township	3	3	3	5	1	2	1			
620	734.1	Gituamba	4	4	2	5	1	2	3			
621	734.2	Sipili	4	4	3	5	1	2	3			
622	734.3	Kinamba	4	4	3	5	1	2	3			
623	741.1	Weseges	4	4	3	5	1	2	2			
624	741.2	Maji Tamu	4	4	3	5	1	2	2			
625	741.3	Subukia	4	4	3	5	1	2	2			
626	742.1	Kabazi	4	3	3	5	2	2	3			
627	742.2	Bahati	4	4	3	5	2	2	3	2		
628	742.3	Dundori	4	3	2	5	2	2	2			
629	742.4	Solai	4	4	3	5	1	2	2			
630	743.1	Miti Mingi	4	3	3	5	2	2	3	3	47	

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
631	743.2	Gilgil	4	2	3	2	2	2	2	1	70
632	743.3	Kiambogo	4	4	3	5	1	2	2		
633	744.1	Naivasha	4	2	3	1	2	2	3		85
634	744.2	Maiela	4	3	3	2	2	2	3		
635	744.3	Longonot	5	4	3	4	3	2	3	2	
636	745.1	Kampi ya Moto	4	4	3	5	1	2	3		
637	745.2	Rongai	3	3	3	5	1	3			100
638	745.3	Shawa	3	4	3	5	2	3			100
639	746.1	Njoro	3	4	3	5	1	2	2		100
640	746.2	Kihingu	3	2	3	5	1	2	2		
641	746.3	Lare	3	4	3	5	2	3			
642	746.4	Mau Narok	3	4	3	5	1	2	3		
643	747.1	Kamara	1	4	3	4	2	3			34
644	747.2	Mau Summit	2	4	3	5	1	3			18
645	747.3	El Burgon	2	4	3	5	3	3			
646	747.4	Mar Ashioni	2	3	3	5	2	3			
647	747.5	Molo South	1	4	3	5	1	3			
648	748.1	Cheptuechi	2	3	3	5	3	3			
649	748.2	Amalo	2	4	3	5	3	3			
650	749.0	Nakuru Municipality	3	4	3	5	3	3			100
651	751.1	Olokurto	2	4	3	4	3	3			
652	751.2	Olpusmoru	2	4	3	5	3	3			
653	751.3	Nkareta	3	2	3	5	3	2	3		11
654	751.4	Enabelbel	3	4	3	5	3	3			
655	751.5	Olorropil	3	3	3	5	1	3			
656	752.1	Lower Melili	3	4	3	5	3	2	3		
657	752.2	Upper Melili	3	4	3	5	3	3			
658	752.3	Olopironito	3	4	3	5	3	3			14
659	752.4	Enoosupukia	4	4	3	4	3	2	2		
660	752.5	Keckonyokie	4	4	3	5	3	2	3		21
661	752.6	Mosiro	4	4	3	5	2	2	3		
662	752.7	Oletukat	4	4	3	5	3	2	3		
663	752.8	Ildamat	3	4	3	5	2	3			47
664	753.1	Mulot	2	4	3	3	2	3			
665	753.2	Olulunga	3	4	3	2	3	2	3		
666	753.3	Olkinyyie	4	2	3	2	1	2	3		
667	753.4	Naikara	4	2	3	1	3	2	3		
668	753.5	Naroosura	4	4	3	2	3	2	3		
669	753.6	Loita	4	3	3	1	3	2	3		
670	753.7	Masai Mara	4	3	3	2	2	2	3		
671	754.1	Emarti	3	2	3	2	1	3			
672	754.2	Moitanik East	4	2	3	1	1	3			
673	754.3	Moitanik West	4	2	3	2	2	3			
674	754.4	Uasin Gishu East	4	2	3	1	2	2	3		
675	754.5	Uasin Gishu West	4	2	3	2	3	2	3		

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
676	755.1	Siria East	4	2	3	1	3	3			
677	755.2	Siria Central	4	4	3	5	3	2	3		
678	755.3	Siria West	4	2	3	1	3	3			
679	761.1	Chepsiro	1	2	3	1	2	3		3	
680	761.2	Cherangany	1	2	3	1	3	3			
681	761.3	Makutano	1	2	3	1	3	3			
682	761.4	Kaplamai	1	2	2	1	3	3			
683	761.5	Sinyérere	1	2	3	3	3	3			
684	762.1	Waitaluk	1	2	2	1	3	3			
685	762.2	Kibomet	1	2	1	1	3	3			47
686	762.3	Kitale	1	2	1	1	3	3			100
687	762.4	Kiminini	1	2	1	1	1	3			14
688	762.5	Saboti	1	3	2	2	1	3			
689	762.6	Kiboroa	1	4	3	5	3	3			
690	763.1	Kaisagat	1	2	2	1	2	3			
691	763.2	Kwanza	1	2	2	2	2	3			
692	763.3	Kapomboi	1	2	1	1	1	3			
693	763.4	Kolongolo	1	2	2	3	2	3			
694	763.5	Endebess	1	3	3	2	1	3			8
695	763.6	Chepchoina	1	4	3	1	1	3			
696	771.1	Moibeki	1	2	3	3	1	3			
697	771.2	Moi's Bridge	1	2	3	3	1	3			
698	771.3	Moiben	1	4	3	3	1	3			21
699	771.4	Karuna	1	3	3	3	1	3			100
700	771.5	Sergoit	1	4	2	4	2	3			100
701	771.6	Tembeleo	1	3	2	5	1	3			20
702	772.1	Soi	1	4	2	5	2	3		2	
703	772.2	Kiplombe	1	4	2	4	3	3			
704	772.3	Turbo East	1	4	2	3	3	3			
705	772.4	Turbo West	1	2	2	1	3	3			
706	772.5	Eldoret Municipality	1	4	2	5	3	3			61
707	773.1	Kapsaret	1	4	2	4	3	3			
708	773.2	Ngeria	1	4	2	5	3	3			
709	773.3	Tulwet	1	4	2	5	1	3			
710	774.1	Cheptüret	1	4	3	5	1	3			
711	774.2	Kaptagat	1	4	2	5	2	3			
712	774.3	Kapsinende	1	4	1	5	2	3			
713	774.4	Kipkabus Kaptagat	1	4	1	5	2	3			
714	774.5	Tarakwa	1	4	1	5	1	3			
715	774.6	Olare	1	4	3	5	1	3			
716	774.7	Lainguse	1	4	2	5	3	3			
717	774.8	Timboroa	1	4	3	5	3	3			
718	774.9	Ainabkoi	1	4	3	5	2	3			
719	811.1	Kamnarok Soi	4	3	3	1	3	2	3		
720	811.2	Kamnarok Mosop	3	4	3	5	3	2	3		

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
721	811.3	Saimo Mosop	3	4	3	5	3	3			
722	811.4	Saimo Soi	4	4	3	3	3	2	3		
723	811.5	Kaboskei	4	4	3	2	3	2	3		
724	811.6	Ngorora	4	4	3	4	3	2	3		
725	812.1	Kabamet Soi	3	2	3	5	3	2	2		
726	812.2	Sacho-Soi	3	3	2	5	3	2	2		
727	812.3	Sacho Mosop	3	4	2	5	3	2	2		
728	812.4	Kabasis	3	4	2	5	3	2	2		
729	812.5	Kabamet Mosop	3	4	2	5	3	2	2		
730	812.6	Orokwo	3	4	2	5	3	2	2		
731	812.7	Ewalel	2	4	2	4	3	2	3		
732	813.1	Sirwa	3	4	3	5	3	2	2		
733	813.2	Enom	3	4	2	5	3	2	2		
734	813.3	Pokor Keben	4	4	1	5	3	2	3		
735	814.1	Lembus Mosop	2	4	1	5	3	3			
736	814.2	Lembus Central	2	4	3	5	3	3			
737	814.3	Maji Mazuri	2	4	2	4	3	3			100
738	814.4	Koibatek	3	4	2	4	3	3			100
739	814.5	Eldama Ravine	3	4	3	5	1	2	3		
740	814.6	Kabi Moi	3	2	3	1	2	2	3		
741	815.1	Lembus Soi	3	3	1	2	1	2	3		
742	815.2	Kakamor	3	2	1	2	2	3			
743	815.3	Pokor Keben	4	3	2	3	2	2	3		
744	815.4	Pokor Keben Soi	4	4	2	5	3	2	2		
745	815.5	Kisanana	4	4	3	5	3	3	3		
746	815.6	Endorois	4	4	3	3	3	2	2		
747	816.1	Chapchap	3	4	3	5	3	2	2		
748	816.2	Marigat	4	3	3	1	3	2	3		
749	816.3	Loboi	4	3	3	2	3	2	2		
750	816.4	Mukutani	4	3	3	2	3	2	3		
751	816.5	Njemps	4	2	3	1	3	2	4		
752	817.1	Korosi	5	2	3	3	3	2	3		
753	817.2	Loiyamarok	5	3	3	2	3	2	3		
754	817.3	Ribkwo	5	2	3	5	3	2	3		
755	817.4	Tiriko	5	4	3	3	3	2	3		1
756	821.1	Metkei	2	3	3	5	3	3			
757	821.2	Kamwosor	2	4	3	5	3	3			1
758	821.3	Kocholwa	2	4	2	5	3	3			
759	821.4	Chemoiben	2	4	1	5	3	3			
760	821.5	Marichor	2	4	1	5	3	3			
761	821.6	Soy	2	2	1	1	3	3			
762	821.7	Mosop	2	2	1	5	3	3			
763	821.8	Kibargoi	3	2	1	1	3	3			
764	822.1	Kitany	3	2	1	1	3	3			
765	822.2	Mutei	3	4	1	4	3	3			

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter									
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe	
766	822.3	Irong	3	3	2	4	3	3			100	
767	822.4	Kiptuilong	3	2	3	1	3	3			33	
768	822.5	Kapchemutwa	3	4	2	2	3	3			13	
769	822.6	Keu	4	2	3	2	3	3				
770	823.1	Koibarak	3	2	3	1	3	3				
771	823.2	Moiben	3	3	3	1	3	3				
772	823.3	Arror	2	2	3	1	3	3				
773	824.1	Cherangani	1	2	3	1	3	3				
774	824.2	Sengwer	3	2	3	1	3	3				
775	824.3	Lelan	3	2	3	1	3	3				
776	825.1	Mon	4	2	3	1	3	2	1			
777	825.2	Mokoro	4	2	3	1	3	2	1			
778	825.3	Endo	3	2	3	1	3	2	1			
779	825.4	Embobut	4	2	3	1	3	3				
780	825.5	Sambirir	3	2	3	1	3	3				
781	831.1	Mogobich	1	4	3	5	3	3				
782	831.2	Chebarus	1	4	3	2	3	3				
783	831.3	Chemelil	1	3	3	1	3	3			7	
784	831.4	Songhor	1	4	3	3	3	3				
785	831.5	Miteitei	1	4	3	5	3	3				
786	832.1	Kaptumo	1	2	3	1	2	3			2	
787	832.2	Chemundu	1	2	2	1	2	3				
788	832.3	Kaptel	1	2	1	1	2	3				
789	832.4	Kapkangani	1	2	1	1	3	3				
790	832.5	Chepkumia	1	2	1	1	3	3				
791	832.6	Kemeloi	1	2	2	1	3	3				
792	832.7	Maraba	1	2	2	1	3	3				
793	833.1	Sangalo	1	2	1	1	2	3				
794	833.2	Kurgung	1	2	1	1	2	3				
795	833.3	Kipngoror	1	2	1	1	3	3				
796	833.4	Chepterwai	1	2	2	1	3	3				
797	834.1	Kosirai	1	4	2	4	2	3				
798	834.2	Lelmokwo	1	3	1	2	2	3				
799	834.3	Kabiyet	1	2	1	1	2	3				
800	834.4	Kablemit	1	2	2	1	3	3				
801	835.1	Kaplamai	1	3	3	2	2	3			26	
802	835.2	Olessos	1	4	3	5	3	3				
803	835.3	Kilibwoni	1	3	3	5	3	3				
804	841.1	Suguta Marmar	4	4	2	4	1	1	3			
805	841.2	Loosuk	4	4	2	5	1	2	1			
806	841.3	Poro	4	4	2	3	2	2	1		4	
807	841.4	Maralal Urban	3	2	1	1	2	2	2	1	45	
808	841.5	Angata Nanyukie	4	2	1	2	3	2	2			
809	841.6	Opiroi	5	2	2	2	3	2	3			
810	841.7	Kisima	4	3	2	1	3	2	4	2		

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
811	841.8	Lodokejek	5	2	3	2	3	2	4	4	
812	842.1	Serolevi	5	2	3	3		2	4		
813	842.2	Ngilai	5	2	3	2	3	1	4	5	
814	842.3	Lodungokwe	5	2	2	2	2	2	3	17	
815	842.4	Wamba	5	2	3	1	3	2	2	3	
816	842.5	Wasa	4	2	3	1	3	2	3	4	
817	843.1	Marti	5	4	2	4	3	2	3		
818	843.2	Nachola	5	3	2	2	3	2	4		
819	843.3	Kowop	5	3	3	2	3	2	4		
820	843.4	Nyiro	5	3	3	1	3	2	4		
821	843.5	Ndooto	5	2	3	2	3	2	1	8	
822	843.6	Elbarta	5	2	2	1	3	2	5	1	
823	843.7	Arsim	5	2	2	1		3		13	
824	851.1	Lokichoggio	5	2	2	2	3	3			2
825	851.2	Kalobeyei	5	3	3	2	3	1	3		
826	851.3	Pelekech	5	2	3	1	3	1	3		
827	851.4	Mogila	5	4	2	3	3	3			
828	852.1	Ngikwatela	5	2	3	2	3	1	3		
829	852.2	Kaaling	5	3	3	2		1	3		
830	852.3	Ngisiger	5	2	3	1	3	1	4		
831	853.1	Ngikajik	5	3	3	2	3	1	4		
832	853.2	Ngisir	5	3	3	1		1	3		
833	853.3	Kalokol	5	2	3	2		1	3		
834	853.4	Kangatotha	5	2	3	3		1	3		
835	853.5	Lodwar	5	2	3	2		2	3		
836	853.6	Kerio	5	4	3	3		1	3		
837	854.1	Lorengippi	4	2	3	2	3	1	3		
838	854.2	Kalapata	4	2	3	2		1	3		
839	854.3	Kuputer/Ngingboto	4	2	3	2	3	1	4		
840	854.4	Lobokat	5	2	3	3		1	4		
841	855.1	Lomelo	5	3	3	3	3	1	4		
842	855.2	Loriu	5	3	3	1	3	2	3	2	
843	855.3	Ngibila	5	3	3	2	3	2	2		
844	861.1	Kapenguria	3	2	3	2	3	3			
845	861.2	Riwa	3	2	2	1	3	1	3		
846	861.3	Lelan	3	2	3	1	3	3			
847	862.1	Kipkomo	4	2	3	1	3	2	2		
848	862.2	Sook	4	2	3	1	3	2	2		
849	862.3	Batei	4	2	3	1	3	2	2		
850	863.1	Weiwei	4	2	3	1	3	3			
851	863.2	Lomut	4	2	3	1	3	3			
852	863.3	Sekerr	4	2	3	1	3	2	1		
853	863.4	Mwino	4	2	3	1	3	3			
854	863.5	Masol	4	2	3	1	3	2	3		
855	863.6	Cheptutiel	4	2	3	1	3	2	1		

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
856	864.1	Suam	3	2	2	1	3	2	3		
857	864.2	Kapchok	4	2	2	2	3	2	3		
858	864.3	Kasci	4	2	3	1	3	2	2		
859	865.1	Kiwawa	5	2	2	2	3	2	3		
860	865.2	Kases	5	2	2	1	3	2	3		
861	865.3	Alale	5	2	2	1	3	3			
862	865.4	Akoret	5	2	2	1	3	3			
863	865.5	Chemorongit	5	2	2	2	3	3			
864	911.1	Lwandanyi	2	2	3	1	3	3			
865	911.2	Lwakhakha	2	2	2	1	3	3			
866	911.3	Sirisia	2	2	2	2	3	3			
867	911.4	Malakisi	2	2	2	1	2	3			
868	911.5	North Bukusu	1	3	1	1	1	3			
869	912.1	West Bukusu	2	2	2	1	2	3			
870	912.2	Bumala	2	2	2	1	2	3			
871	912.3	South Bukusu	2	2	2	2	2	3			
872	912.4	Kanduyi	2	2	2	3	1	3			9
873	912.5	East bukusu	1	2	1	1	1	3		14	12
874	913.1	Kimilili	1	3	2	1	2	3			3
875	913.2	Bokoli	11	2	1	1	1	3			
876	914.1	Ndivisi	1	2	2	3	1	3			
877	914.2	Webuye	1	2	1	2	2	3			7
878	915.1	Naitiri	1	2	2	1	1	3			
879	915.2	Ndatu	1	2	2	1	1	3			
880	916.1	Cheptais	1	4	3	5	3	3			
881	916.2	Elgon Central	1	4	1	5	3	3			
882	917.0	Elgon	1	2	2	5	3	3			
883	921.1	North Teso	2	2	2	1	3	2	3		17
884	921.2	Central Teso	2	2	2	1	3	2	3		
885	921.3	East Teso	2	2	2	2	3	2	3		
886	921.4	West Teso	2	2	2	1	3	2	2		
887	921.5	South Teso	2	2	2	2	3	2	3		
888	922.1	East Bukhayo	2	2	2	2	3	3			
889	922.2	Central Bukhayo	2	2	2	1	3	3			
890	922.3	West Bukhayo	2	2	3	3	3	3			12
891	922.4	Marachi East	2	2	2	1	3	3			
892	922.5	Marachi Central	2	2	3	2	3	3			7
893	922.6	Marachi West	2	2	3	2	3	3			
894	923.1	Samia North	4	2	3	2	3	2	3		
895	923.2	Samia South	4	2	2	1	2	3			
896	924.1	East Bunyala	4	2	2	1	3	3			
897	924.2	West Bunyala	4	2	2	1	3	3			
898	924.3	South Bunyala	4	2	2	1	3	3			
899	931.1	North Bunyore	1	2	3	1	3	3			
900	931.2	East Bunyore	1	2	3	1	3	3			

Table 4.1 Data and Parameters assessed in Rural and Livestock Water Supply

No.	Location		Parameter								
	Code	Name	PR	GA	GQ	GS	ST	TP	TD	Rock	Pipe
901	931.3	West Bunyore	1	2	3	1	3	3			
902	931.4	South Bunyore	1	2	3	1	3	3			22
903	932.1	East Maragoli	1	2	1	1	3	3			
904	932.2	North Maragoli	1	2	2	1	3	3			
905	932.3	West Maragoli	1	2	1	1	3	3			
906	932.4	Esava	1	2	1	1	3	3			
907	932.5	Central Maragoli	1	2	2	1	3	3			
908	932.6	South Maragoli	1	3	2	1	3	3			
909	933.1	Shamakhokho	1	2	2	2	2	3			
910	933.2	Banja	1	2	2	1	3	3			
911	933.3	Tambua	1	1	2	5	3	3			
912	933.4	Gisambai	1	2	2	2	3	3			
913	934.1	East Isukha	1	2	1	1	3	3			
914	934.2	Central Isukha	1	2	1	2	3	3			
915	934.3	West Isukha	1	2	1	1	3	3			
916	934.4	North Idakho	1	2	1	1	3	3			
917	934.5	South Idakho	1	2	1	1	3	3			
918	935.1	Bunyala	1	2	1	1	3	3			
919	935.2	North Butso	1	2	1	1	3	3			
920	935.3	South butso	1	2	1	2	3	3			
921	935.4	Kakamega Municipality	1	2	1	1	3	3			
922	936.1	North Kabras	1	2	2	1	3	3			
923	936.2	Central Kabras	1	2	1	1	3	3			
924	936.3	West Kabras	1	2	1	1	3	3			
925	936.4	South Kabras	1	2	1	1	3	3			
926	937.1	Nzoia	1	2	2	2	3	3			
927	937.2	Soy	1	3	2	2	3	3			
928	937.3	Lumakanda	1	3	2	2	3	3			
929	937.4	Chekalini	1	3	2	2	3	3			
930	938.1	East Kisa	1	2	2	1	3	3			
931	938.2	Mundeku	1	2	3	2	3	3			
932	938.3	Isika	1	2	3	1	3	3			
933	939.1	North Marama	1	2	2	2	3	3			
934	939.2	Central Marama	1	2	2	1	3	3			
935	939.3	South Marama	1	2	3	3	3	3			
936	930.A.1	North Wanga	1	2	2	1	3	3			9
937	930.A.2	East Wanga	1	2	2	2	3	3			
938	930.A.3	West Wanga	1	2	2	1	3	3			
939	930.A.4	Central Wanga	1	2	2	1	3	3			
940	930.A.4	South Wanga	1	2	2	2	3	3			