

## ***APPENDIXES***



## **APPENDIX H.1**

### **Dam Schemes Identified by Previous Studies**



## Appendix H.1

## Dam Schemes Identified by Previous Studies (1/5)

Item No.	Name of Damsite	River Basin	River	Sub-basin (Dam Area -site)(Km2)	Catch. Purpose	Related Agency/ Owner	Stage	Dam				Reservoir				Source		
								Type	Height (m)	Crest Width (m)	Length (m)	Embank. Volume (103 m3)	Gross Storage (mcm)	Active Storage (mcm)	Dead Storage (mcm)		Surface Area (Km2)	
1	Molben	Nozia	Molbem	1BA	188	W	MWCPC	Pre-F/S	R	35	10.0	137	217	6	5	1	6.6	MWCPC
2	Lower Molben	Nozia	Nozia	1BB	644	P	KVDA	M/P	R	47	6.0	-	-	80	53	-	-	Ref.No.H.16
3	Hemsted's Brg.	Nozia	Nozia	1BD	3,752	I,P	KPC,LBDE	M/P	R	49	-	-	-	130	83	-	11	Ref.No.H.5
4	Moi's Brg.	Nozia	Nozia	1BE	858	W	MWCPC	Pre-F/S	-	-	-	-	-	-	-	-	-	Ref.No.H.26
5	Rongai	Nozia	Nozia	1BG	4,709	I,P,(W)	LBDE	M/P	R	45	-	-	-	240	172	-	18	Ref.No.H.5 Ref.No.H.14
6	Sergoit (No.2)	Nozia	Sergoit	1CA	390	W	MOWD	M/P	R	-	-	-	-	29	6	-	-	Ref.No.H.10
7	Sergoit (No.1)	Nozia	Sergoit	1CA	659	W	MOWD	M/P	R	-	-	-	-	6	29	-	-	Ref.No.H.10
8	Kerita (No.8)	Nozia	Kerita	1CC	104	W	MOWD	M/P	R	-	-	-	-	18	-	-	-	Ref.No.H.10
9	Kisong'i (No.7)	Nozia	Kisong'i	1CC	119	W	MOWD	M/P	R	-	-	-	-	5	-	-	-	Ref.No.H.10
10	Webuye Falls	Nozia	Nozia	1DA	8,420	P,(I)	LBDA	M/P	Weir	4	-	-	-	-	FOR	-	-	Ref.No.H.5
11	Lugari	Nozia	Nozia	1DA	8,300	I,P	LBDA	M/P	R	62	-	-	-	270	140	-	15	Ref.No.H.5
12	Teremi	Nozia	Kuywa	1DB	138	P	LBDA	F/S	Weir	-	-	-	-	-	FOR	-	-	Ref.No.H.5
13	Rambula	Nozia	Nozia	1EE	11,849	I,F,P	MOWD	-	-	-	-	-	-	-	-	-	-	Ref.No.H.5
14	Ukuru	Yala	Nderuquit	1FA	45	W	-	-	-	-	-	-	-	-	-	-	-	Ref.No.H.2
15	Handi Forest	Yala	Yala	1FD	1,339	I,P	LBDA	M/P	R	59	-	-	-	-	59	-	-	Ref.No.H.5
		Yala	Yala	1FD	1,339	P	MOE	M/P	R	58	-	-	3,100	305	275	30	13	Ref.No.H.2
16	Mushagumbo	Yala	Yala	1FE	1,987	I,P	LBDA	M/P	R	36	-	-	-	170	111	-	15	Ref.No.H.5
17	Gongo	Yala	Yala	1FG	2,323	I,P	LBDA	M/P	R	74	-	-	-	120	85	-	6	Ref.No.H.5
18	Tinderet Forest	Nyando	Ainobnetuny	1GA	30	P	-	-	-	-	-	-	-	-	-	-	-	-
19	Twin Brg.	Nyando	Ainoonetui	1GB	584	I,P,F	LBDA	M/P	R	44	-	-	-	70	49	-	4	Ref.No.H.5
20	Londiani	Nyando	Kidchorian	1GC	71	W	MOWD	F/S	R	28	8.0	800	470	24	20	-	-	Ref.No.H.5
21	Awasi	Nyando	Nyando	1GD	1,509	I,P,F	LBDA	M/P	R	50	-	-	-	150	121	-	10	Ref.No.H.5
22	Nyando	Nyando	Nyando	1GD	1,363	W,I	MWCPC, LBDA	Pre-F/S	R	85	-	-	3,600	250	-	-	-	Ref.No.H12
23	Kibos	Kibos	Kibos	1HA	179	P	MOWD	M/P	R	100	5.5	540	3,250	80	82	-	4	Ref.No.H.9 Ref.No.H.14
24	Itare	Sondu	Itare	1JA	185	W	MWCPC	M/P	R	50	-	-	-	-	-	-	-	MWCPC
25	Timbilili	Sondu	Timbilili	1JC	33	W	MOWD	Pre-F/S	E	16	-	-	57	8	3	5	-	Ref.No.H.13
26	Yurith	Sondu	Yurith	1JD	1,358	W,P	MOWD	M/P	-	80	-	-	-	225	-	-	-	Ref.No.H.5
27	Orokiet	Sondu	Kisongoi	1JF	1,081	W,P	MOWD,LBDA	M/P	R	47	-	-	-	160	-	-	10	Ref.No.H.5
28	Sisei	Sondu	Sisei	1JF	557	W	MOWD	Pre-F/S	R	40	-	-	-	27	23	2	-	-
29	Magwagwa	Sondu	Sondu	1JG	3,160	P,I	KPC,LBDA	F/S	R	110	10.0	634	4,753	808	701	107.0	25	Ref.No.H.11
30	Oi Ngobor	Kuja	Migori	1KC	1,240	P	LBDA	M/P	-	59	-	-	-	50	-	-	-	Ref.No.H.5
31	Namba Kadero	Kuja	Migori	1KC	2,769	I,P,F	LBDA	M/P	R	59	-	-	-	150	50	-	8	Ref.No.H.5
32	Temek	Mara	Nyangores	1LA1	635	P	MOWD,LBDA	M/P	-	91	-	-	-	300	-	-	-	Ref.No.H.5
33	Nyangores	Mara	Nyangores	1LA1	681	W,I	MOWD	M/P	-	60	-	-	-	167	-	-	-	-
34	Bomet	Mara	Nyangores	1LA1	678	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	-
35	Mara Bridge	Mara	Mara	1LA2	2,812	W,I	MOWD	M/P	-	-	-	-	-	-	-	-	-	-
36	Amala	Mara	Amala	1LB1	475	W	MOWD	Pre-F/S	R	34	6.0	-	39	4	-	-	-	Ref.No.H.8

Source: MOWD, MWPC, LBDA, KVDA, MOE

Notes: Abbreviation for dam type R= Rockfill, E= Earth fill, G= Concrete Gravity

W= Water supply, I= Irrigation, P= Hydropower generation

M/P=Master Plan, Pre-F/S=Pre-Feasibility Study, F/S= Feasibility Study

## Appendix H.1

## Dam Schemes Identified by Previous Studies (2/5)

Item No.	Name of Damsite	River Basin	River	Sub-basin (Dam -site)	Catch. Area (Km2)	Purpose	Related Agency/ Owner	Stage	Dam					Reservoir				Source
									Type	Height (m)	Crest Width (m)	Length (m)	Embank. Volume (103 m3)	Gross Storage (mcm)	Active Storage (mcm)	Dead Storage (mcm)	Surface Area (Km2)	
1	Horuny	Turkwal	Morun	2BA	388	W,I	KVDA	M/P	R	65	8.0	-	1,300	40	-	-	-	Ref.No.H.16
2	Kimwarer	Kerio	Kimwarer	2CB	136	P,I	KVDA	F/S	R/E	40	8.0	445	1	26	21	5	2	Ref.No.H.23
3	Kerio A	Kerio	Kerio	2CB/2CC	2,416	P,I	MOE/KPLC	M/P	-	36	-	-	-	465	275	-	-	Ref.No.H.1
4	Sererwa	Kerio	Kerio	2CC	185	P,I	KVDA	F/S	R	97	12.0	615	4	61	61	10	3	Ref.No.H.25
5	Waseges	Waseges	Waseges	2EB	440	W,I	HOWD	M/P	R	49	6.0	-	750	35	-	-	-	Ref.No.H.16
6	Ratat	Perkera	Perkera	2EE	1,068	W,I	HOWD	M/P	E	38	6.0	-	500	100	28	-	-	Ref.No.H.16
7	Mau Stream	Molo	Mau Stream	2EG1	108	W	HOWD	F/S	E	29	8.0	210	240	1	1	0	-	Ref.No.H.18
8	Molo	Molo	Molo	2EG1	395	W,I	HOWD	M/P	-	50	-	-	-	16	-	-	-	Ref.No.H.18
9	Sitat	Molo	Molo	2EG2	1,365	W	HOWD	M/P	E	52	6.0	-	1,100	70	-	-	-	Ref.No.H.16
10	Mutaran	Mutaran	Mutaran	2EK	403	W,I	HOWD	M/P	-	-	-	-	-	-	-	-	-	Ref.No.H.16
11	Malewa	Malewa	Malewa	2GB	635	W	NHCPC	F/S	R	80	10.0	360	1,001	72	16	56	4	Ref.No.H.24
12	Upper Narok	E.Ngiro S.	E.Narok	2KB	516	W	HOWD	M/P	-	-	-	-	-	-	-	-	-	Ref.No.H.27
13	Oldorko	E.Ngiro S.	E.Ngiro S.	2KB	5,696	P,I	MOE/KPLC	F/S	R	55	10.0	1,500	4,480	904	785	-	51	Ref.No.H.2
14	Leshota	E.Ngiro S.	E.Ngiro S.	2KB	5,119	P,I	MOE/KPLC	F/S	R	110	10.0	2,100	8,430	522	360	-	18	Ref.No.H.2

Source: HOWD, NWCPC, LBDA, KVDA, MOE

Notes : Abbreviation for dam type R= Rockfill, E= Earth fill, G= Concrete Gravity

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M/P=Master Plan, Pre-F/S=Pre-Feasibility Study, F/S= Feasibility Study

## Appendix H.1

## Dam Schemes Identified by Previous Studies (3/5)

Item No.	Name of Damsite	River Basin	River	Sub-basin (Dam site)	Catch. Area (Km2)	Purpose	Related Agency/ Owner	Stage	Dam				Reservoir				Source	
									Type	Height (m)	Crest Width (m)	Length (m)	Embank. Volume (103 m3)	Gross Storage (mcm)	Active Storage (mcm)	Dead Storage (mcm)		Surface Area (Km2)
1	Upper Athi	Athi	Athi	3AA	400	W	MOWD	M/P	R	36	-	1,556	-	27	25	2	-	Ref.No.H.34
2	Ruaka	Athi	Ruaka	3BA	95	W	MOWD	Pre-F/S	E	16	-	-	-	-	-	-	-	NWCPC
3	Ruiru A	Athi	Ruiru	3BC	202	W	NCC	M/P	R	-	-	-	-	-	-	-	-	Ref.No.H.30
4	Ndarugu 1	Athi	Ndarugu	3CB	360	W,I	NCC,TARDA	M/P	R	43.5	6.0	870	1,900	425	395	50	28	Ref.No.H.29 No.H.30,36
5	Ndarugu 2	Athi	Ndarugu	3CB	84	W	NCC,TARDA	M/P	-	-	-	-	-	-	-	-	-	Ref.No.H.30
6	Nyamangara	Athi	Ndarugu	3CB	198	W	NCC,TARDA	M/P	-	-	-	-	-	-	-	-	-	Ref.No.H.30
7	Munyu	Athi	Athi	3DA	5,590	W,I,P	MOWD,TARDA	M/P	R	49.0	8.0	840	2,420	625	575	50	44	Ref.No.H.29
8	Kiteta	Athi	Kiteta	3EB	72	W	MOWD	F/S	R	34.0	7.0	780	792	14	9.7	3	-	Ref.No.H.32 H.31
9	Thwake	Athi	Athi	3FA	10,276	I,P	MOWD,TARDA KPLC	M/P	R	84.0	-	1,560	10,700	-	840	-	49	Ref.No.H.1
10	Yatta	Athi	Yatta	3FB	20,000	I,W,P	MOWD,TARDA KPLC	M/P	E	65.3	6.0	2,470	5,820	500	450	50	36	Ref.No.H.29
11	Tsavo	Athi	Tsavo	3G	4,050	W	MOWD	F/S	R(Aso)	34.0	10.0	370	450	37	21	17	-	Ref.No.H.1 H.29,33
12	Baricho	Athi	Sakaki	3HD	32,240	W,P	NWCPC	M/P	R	48.0	-	900	1,720	1,290	840	450	88	Ref.No.H.1
13	Rare	Rare	Rare	3LA	1,500	W	MOWD	F/S	R	33.0	10.0	554	380	-	27.6	12	-	Ref.No.H.33
14	Magononi	Rare	Magononi	3LA	6,554	I,W	MOWD	M/P	R	57.0	-	755	1,300	-	370	-	33	Ref.No.H.1
15	Konjara	Rare	Konjara	3LA	6,574	I,W	MOWD	M/P	R	52.0	-	1,125	2,700	-	370	-	26	Ref.No.H.1
16	Mwachi	Mwachi	Mwachi	3MB	2,090	W	MOWD	M/P	R	85.0	10.0	1,000	3,874	-	98	-	-	Ref.No.H.33
17	Pemba	Pemba	Pemba	3MC	637	W,I	MOWD	M/P	R	72.0	-	433	1,900	-	90	-	9	Ref.No.H.1 H.33

Source: MOWD, TARDA, NWCPC, KPC

Notes: TARDA advises the Government on all development within the Tana and Athi basins, and coordinates and monitor all development projects in the basin, where necessary, under the execution of development of Tana and Athi basins.

Abbreviation: R= Rockfill, E=Earthfill, G= Concrete Gravity

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M/P=Master Plan, Pre-F/S=Pre-Feasibility Study, F/S=Feasibility Study

## Appendix H.1

## Dam Schemes Identified by Previous Studies (4/5)

Item No.	Name of Damsite	River Basin	River	Sub-basin (Dam -site)	Catch. Area (Km2)	Purpose	Related Agency/ Owner	Stage	Dam				Reservoir				Source	
									Type	Height (m)	Crest Width (m)	Length (m)	Embank. Volume (103 m3)	Gross Storage (mcm)	Active Storage (mcm)	Dead Storage (mcm)		Surface Area (Km2)
1	Chania B	Tana	Chania	4CA	233	W	NCC/MOWD	M/P	R	70	10.0	-	1,400	15	-	-	-	Ref.No.H.30
2	Kimakia	Tana	Kimakia	4CA	28	W	MOWD	M/P	-	51	10.0	-	1,100	10	-	-	-	Ref.No.H.30
3	Ndiara	Tana	Ndiara	4CA	43	W	TARDA	M/P	-	-	-	-	-	33	-	-	-	TARDA
4	Thika 3A	Tana	Thika	4CA	296	W	NCC/MOWD	M/P	E	50	10.0	-	2,000	25	-	-	-	Ref.No.H.30
5	Maragua 4	Tana	Naragua	4BE	76	W	NCC/MOWD	M/P	R	-	10.0	-	-	-	-	-	-	Ref.No.H.36
6	Maragua 8	Tana	Naragua	4BE	210	W	NCC/MOWD	M/P	R	-	10.0	-	-	-	-	-	-	Ref.No.H.36
7	Thiba	Tana	Thiba	4DA	173	I	NIB	F/S	R	35	8.0	1,350	1,200	18	15	2.6	1.2	Ref.No.H.35
8	Kerura	Tana	Tana	4ED	11,802	P	MOE/TARDA/ KPLC	M/P	R	31	-	2,700	800	74	12	62	8.2	Ref.No.H.1
9	Mutonga	Tana	Tana	4FA	15,329	P	MOE/KPLC/ TARDA	Pre-F/S	R	42	10.0	540	870	122	63	(20)	-	Ref.No.H.2
10	Grand Falls (High)	Tana	Tana	4FB	17,459	P,W,I,F	MOE/KPLC/ TARDA	Pre-F/S	R	117	10.0	2,150	22,000	5,325	1,925	-	-	Ref.No.H.2
11	Grand Falls (Low)	Tana	Tana	4FB	17,459	P,W,I,F	MOE/KPLC/ TARDA	Pre-F/S	R	79	10.0	850	5,820	1,130	701	-	-	Ref.No.H.2
12	Usenzi	Tana	Tana	4FB	18,690	P,W	MOE/KPLC/ TARDA	M/P	R	41	10.0	755	-	330	-	-	-	Ref.No.H.2
13	Adamson Falls	Tana	Tana	4GA	21,462	P	MOE/KPLC/ TARDA	M/P	R	50	10.0	1,700	2,230	1,009	379	-	-	Ref.No.H.2
14	Kora	Tana	Tana	4GB	26,500	P,W,I,F	MOE/KPLC/ TARDA	M/P	R	55	10.0	780	3,040	1,172	392	-	-	Ref.No.H.2
15	Umaa	Tiva	-	4HA	-	W	MOWD	Pre-F/S	E	-	-	-	-	-	-	-	-	MOWD
16	Kitumui	Tiva	Kitumui	4HA	8	W	MOWD	M/P	E	37	-	-	-	-	-	-	-	Ref.No.H.40
17	Mutuni	Tiva	Mutuni	4HA	12	W	MOWD	M/P	E	-	-	-	-	-	-	-	-	Ref.No.H.40
18	Ijara	Tana	stream	4KB	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD

Source: MOHD, NHCP, TARDA, MOE, NIB

Notes : TARDA advises the Government on all development within the Tana and Athi basins, and coordinates and monitor all development projects in the basin, where necessary, under the execution of development of Tana and Athi basins

Abbreviation: R= Rockfill, E=Earthfill, G= Concrete Gravity

W= Water supply, I=Irrigation, P=Hydropower generation

H/P= Master Plan, Pre-F/S= Prefeasibility Study, F/S=Feasibility Study



## Appendix H.1

## Dam Schemes Identified by Previous Studies (5/5)

Item No.	Name of Damsite	River Basin	River	Sub-basin (Dam -site)	Catch. Area (Km2)	Purpose	Related Agency/ Owner	Stage	Dam				Reservoir					Source
									Type	Height (m)	Crest Length (m)	Embank. Volume (103 m3)	Gross Storage (mcm)	Active Storage (mcm)	Dead Storage (mcm)	Surface Area (Km2)		
1	Rumuruti	E.Ngiro	E. Narok	5AA	680	W,I,P	MOWD	M/P	R	22	10.0	230	106	6	44	9	2	Ref.No.H.41
2	Gage	E.Ngiro	E.Ngiro	5AC	3,290	W,I,P	MOWD	M/P	R	-	-	-	-	-	-	-	-	Ref.No.H.1
3	Ngdurumitu	E.Ngiro	E.Ngiro	5DC/5BC 5BE	4,230	I,P	MOWD	M/P	R	39	-	3,120	1,400	100	70	30	10	Ref.No.H.1
4	Kihoto	E.Ngiro	E.Ngiro	5BC	2,842	P,I	MOWD	M/P	R	-	-	-	-	66	50	16	10	Ref.No.H.1
5	Nundoto	Seiyia	Nundoto	5CA	60	W	MOWD	M/P	E	-	-	-	-	-	-	-	-	MOWD
6	Isiolo	E.Ngiro	Isiolo	5DA	-	W	MOWD	M/P	E	-	-	-	-	-	-	-	-	Ref.No.H.42
7	Kirimun	E.Ngiro	E.Ngiro	5DC	8,825	P	MOWD/KPC	M/P	R	-	-	-	-	-	-	-	-	MOE/KPLC
8	Crocodile Jaws	E.Ngiro	E.Ngiro	5DC	8,583	P	MOWD/KPC	M/P	R	-	-	-	-	-	-	-	-	MOE/KPLC
9	Archers Post	E.Ngiro	E.Ngiro	5DA	15,300	P,W	MOWD	M/P	R	80	-	3,400	3,400	-	240	-	-	Ref.No.H.1
10	Lag-Bor	E.Ngiro	Lag-Bor	5EA	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
11	Buna	E.Ngiro	Lag-Bor	5EA	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
12	Habaswein	E.Ngiro	E.Ngiro	5EC	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
13	Meri	E.Ngiro	E.Ngiro	5EC	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
14	Modogashe	E.Ngiro	Togweine	5FA	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
15	Dadab	E.Ngiro	E.Ngiro	5FA	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
16	Kutulo-Elwak	Katulo	Katulo	5GA	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
17	Takaba	Katulo	Katulo	5GA	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
18	Mandera	Dana	Dana	5GB	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
19	Neboi-Mandera	Dana	Dana	5GB	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
20	Rham Mandera	Dana	stream	5GB	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
21	Arabic	Dana	stream	5GB	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
22	Fino	Dana	stream	5GB	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
23	Kalatiyo	Dana	stream	5H	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD
24	Markamari	Dana	stream	5H	-	W	MOWD	M/P	-	-	-	-	-	-	-	-	-	MOWD

Source: MOWD, MOE

Notes : Abbreviation: R= Rockfill Type, E= Earthfill

W= Water supply, I=Irrigation, P=Hydropower generation

M/P= Master Plan, Pre-F/S=Prefeasibility Study, F/S= Feasibility Study



## **APPENDIX H.2**

### **Principal Features of Small Dam/Water Pan Schemes**



## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (1/25)

NO.	Name of Dam	No. of Folio	Surface/ Sub-	Location	Main River	Basin Code	Grid Code	Stage of Project	Catchment Area (km2)	Dam Type	Dam Height (m)	Dam Crest Length (m)	Slope Up-Down	Embankment Volume (m3)	Reserv. Storage Area (1000ms)	Reserv. Construction Cost (1000ksh)	Dated	Remarks
WD/2/8/27																		
1	Bandari		surface	Coast	Kilifi		576160	Construct 1985									New Dam	
2	Munago Wa Dola		surface	Coast	Kilifi		386022	surv.comp 1984									1,500 1984 To be Rehabilitated	
3	Kinagoni		surface	Coast	Kwale			Completed 1985									10,000 1985 New Dam	
4	Mnyenzi		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
5	Mtumbi		surface	Coast	Kwale			Proposal 1985									1985 New Dam	
6	Dunbulu		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
7	Dupharo		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
8	Mtaa		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
9	Chilumachatsiki		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
10	Mabesheni		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
11	Bomani		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
12	Gandini		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
13	Sitaloni		surface	Coast	Kwale			Planning 1984									518 1984 To be Rehabilitated	
14	Vigurugani		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
15	Kwagoda		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
16	Ngalakabisa		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
17	Gulanze		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
18	Mwarophesa		surface	Coast	Kwale			Construct 1985									3,500 1985 Rehabilitation Ongoing	
19	Bofu		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
20	Kibandaoggo		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
21	Nyalini		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
22	Chifyonzo		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
23	Chougomandu		surface	Coast	Kwale			Existing 1985									1985 To be Rehabilitated	
24	Maphosa		surface	Eastern	Kwale			Proposal 1982									422 1982 New Dam	
25	Begoda		surface	Eastern	Kwale			Existing 1982									23 1982 To be Rehabilitated	
26	Mwabila		surface	Eastern	Kwale			Existing 1982									427 1982 To be Rehabilitated	
27	Makulani		surface	Eastern	Machakos			Completed 1980									915 1981 New Dam	
28	Kalus		surface	Eastern	Machakos		224288	Completed 1980									915 1981 New Dam	
average																		
										2.44	Earth	12.0	5.0	165 1:3	1:2	26,000	27	3.20
										2.4	Earth	9.1	5.0	165 1:3	1:2	16,167	38	3.2
WD/2/8/13 Vol II																		
29	Kisasi		surface	Eastern	Kitui			Existing 1978									1978	
30	Mukooni		Surface	Eastern	Kitui			Existing 1978									1978 Re-embankment	
31	Mzangathi		Surface	Eastern	Kitui		002334	Existing 1978									1978 To be Desilted	
32	Kwangula		Surface	Eastern	Kitui		824829	Existing 1978									1978 Desilting.Hand-made	
33	Kwasingu		Surface	Eastern	Kitui			Existing 1978									1978 Desilting.Hand-made	
34	Kemulu		surface	Eastern	Kitui		002290	Proposal 1978									1978 New Dam	
35	Masimbini		surface	Eastern	Kitui			Proposal 1988									1988 New Dam	
36	Kasungwa		surface	Eastern	Kitui			Existing 1988									1988 To be Desilted	
37	Kwa Mutonga		surface	Eastern	Kitui		724562	Existing 1978									1978 New Dam	
38	Kabla-Mutanda		surface	Eastern	Kitui		977427	Proposal 1978									1978 New Dam	
39	Kwa Kitusi		Surface	Eastern	Kitui		867364	Existing 1978									1978 Desilting,Re-embankment	
40	Ithiani		surface	Eastern	Kitui			Existing 1988									1988 To be Desilted	
41	Kangalu		surface	Eastern	Kitui		869397	Designed 1978									1978 Re-construction of Hand-made	
42	Muthongue		surface	Eastern	Kitui			Existing 1988									1988 To be Desilted	
43	Kamondio		surface	Eastern	Kitui			Existing 1988									1988 To be Desilted	
44	Kyaani		surface	Eastern	Kitui			Existing 1988									1988 To be Desilted	
45	Mandaiba		surface	Eastern	Kitui			Proposal 1988									1988 New Dam	

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (2/25)

No.	No. of Folio	Sub-Surface	Province	Location	Main River	River Basin	Basin Code	Grid Code	X	Y	Stage of Project	Area (km <sup>2</sup> )	Catchment Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Crest Length (m)	Up-Stream Volume (m <sup>3</sup> )	Down-Stream Volume (m <sup>3</sup> )	Storage Area (km <sup>2</sup> )	Reserv. Construction Cost (1000ksh)	Remarks
46	Mumbuni	surface	Eastern	Kitui	Central						Proposal 1988									1988 New Dam	
47	Kwa Manguila	surface	Eastern	Kitui	Kitui						Proposal 1978			Earth						1978 New Dam	
48	Mwasuma	surface	Eastern	Kitui	Kyuso			499055			Proposal 1978			Earth						1978 New Dam	
49	Kwangava	Surface	Eastern	Kitui	Kyuso			155666			Existing 1978			Earth						1978 Desilting, Hand-made	
50	Kwamombe	Surface	Eastern	Kitui	Kyuso			133666			Existing 1978			Earth						1978 Desilting, Hand-made	
51	Manzui	surface	Eastern	Kitui	Kyuso						Existing 1988									1988 To be Desilted	
52	Kyusiani	surface	Eastern	Kitui	Kyuso						Existing 1988									1988 To be Desilted	
53	Katuka	surface	Eastern	Kitui	Kyuso			798449			Existing 1978			Earth						1978 Re-embarkment, Hand-made	
54	Syundu	surface	Eastern	Kitui	Kyuso			139779			Existing 1978			Earth						1978 New Dam	
55	Muringwa	surface	Eastern	Kitui	Kyuso						Existing 1988									1988 To be Desilted	
56	Ngalange	surface	Eastern	Kitui	Kyuso			123701			Proposal 1978			Earth						1978 New Dam	
57	Katia	surface	Eastern	Kitui	Kyuso						Existing 1988									1988 To be Desilted	
58	Kwasuyu Kathenge	surface	Eastern	Kitui	Kyuso						Existing 1988									1988 To be Desilted	
59	Kamwerini	surface	Eastern	Kitui	Kyuso						Existing 1988									1988 To be Desilted	
60	Kichumula	surface	Eastern	Kitui	Kyuso			174201			Proposal 1978			Concrete						1978 New Dam	
61	Sombe	surface	Eastern	Kitui	Kyuso			167680			Proposal 1978			Earth						1978 New Dam	
62	Kanganya	surface	Eastern	Kitui	Kyuso						Existing 1988									1988 To be Desilted	
63	Makathie	surface	Eastern	Kitui	Matinyani						Design 1978			Earth						1978 New Dam	
64	Kichumula	surface	Eastern	Kitui	Matinyani						Completed			Earth						1978 New Dam	
65	Ngendeni	surface	Eastern	Kitui	Mutito			350623			Proposal 1978			Earth						1978 New Dam	
66	Kasunguni	surface	Eastern	Kitui	Mutito			192575			Proposal 1978			Earth						1978 New Dam	
67	Kwa Muthiani	surface	Eastern	Kitui	Mutito			246004			Proposal 1978			Earth						1978 New Dam	
68	Kandanga	surface	Eastern	Kitui	Mutito						Proposal 1978			Earth						1978 New Dam	
69	Vombo	surface	Eastern	Kitui	Mutito						Existing 1978			Earth						1978 Re-embarkment	
70	Ngeleni	surface	Eastern	Kitui	Mutito			208450			Existing 1978			Earth						1978 New Dam	
71	Katu	surface	Eastern	Kitui	Mutito			364777			Proposal 1978			Earth						1978 New Dam	
72	Engamba	surface	Eastern	Kitui	Mutitu						Existing 1988									1988 To be Desilted	
73	Kaslu	surface	Eastern	Kitui	Mutitu						Existing 1988									1988 To be Desilted	
74	Yulamba	surface	Eastern	Kitui	Mutitu						Existing 1988									1988 To be Desilted	
75	Usungieni	surface	Eastern	Kitui	Mutitu						Existing 1988									1988 To be Desilted	
76	Kikuu	surface	Eastern	Kitui	Mutitu						Existing 1988									1988 To be Desilted	
77	Mitwi Kano	surface	Eastern	Kitui	Mutitu						Proposal 1988									1988 New Dam	
78	Kanzokea	surface	Eastern	Kitui	Mutomo						Proposal 1978			Earth						1978 New Dam	
79	Kikwa	surface	Eastern	Kitui	Mutomo			976123			Existing 1965									1983 Washed away	
80	Tutu	surface	Eastern	Kitui	Mutomo			973114			Existing 1965									1983 Silted	
81	Kasy Elia	surface	Eastern	Kitui	Mutomo						Existing 1988									1988 To be Desilted	
82	Mukoo	surface	Eastern	Kitui	Mutomo			996106			Existing 1965									1983 No report	
83	Ndi a Ndaasa	surface	Eastern	Kitui	Mutomo						Existing 1988									1988 To be Desilted	
84	Kanguli	surface	Eastern	Kitui	Mutomo			013110			Existing 1965									1983 Washed away	
85	Unkown	Surface	Eastern	Kitui	Mutomo			956166			Existing 1965									1983 No report	
86	Mie	surface	Eastern	Kitui	Mutomo			995104			Existing 1965									1983 Washed away	
87	Dyandara	surface	Eastern	Kitui	Mutomo			942146			Existing 1965									1983 Washed away	
88	Ngu lungu	surface	Eastern	Kitui	Mutomo			050950			Existing 1965									1983 Breached	
89	Membo 2	surface	Eastern	Kitui	Mutomo			041886			Existing 1965									1983 No report	
90	Kaane	surface	Eastern	Kitui	Mutomo						Existing 1988									1988 To be Desilted	
91	Syomikethi	surface	Eastern	Kitui	Mutomo						Existing 1988									1988 To be Desilted	
92	Kyome	surface	Eastern	Kitui	Mutomo			128985			Existing 1965									1983 Breached	
93	Membo 1	surface	Eastern	Kitui	Mutomo			068903			Existing 1965									1983 Washed away	
94	Kituto	surface	Eastern	Kitui	Mutomo						Existing 1988									1988 To be Desilted	

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (3/25)

No. of Folio	No. Name of Dam	Sub-Surface	Province	Location	Main River	Basin Code	Grid Code	Project Stage of (as of year)	Catchment Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Crest Length (m)	Up-Stream Volume (m <sup>3</sup> )	Down-Stream Volume (m <sup>3</sup> )	Embankment Storage Area (km <sup>2</sup> )	Reserv. Construction Cost	Remarks
95	Kisayani	surface	Eastern	Kitui	Mutomo	432002	Existing 1988	Proposal 1978	Earth	Earth						1988 To be Desilted	
96	Kitumbini	surface	Eastern	Kitui	Mutomo	960119	Existing 1965	Proposal 1978	Earth	Earth						1978 New Dam	
97	Kasambuya	surface	Eastern	Kitui	Mutomo	380883	Existing 1965	Proposal 1978	Earth	Earth						1983 Washed away	
98	Kabuku	surface	Eastern	Kitui	Mutomo	084117	Existing 1965	Proposal 1978	Earth	Earth						1978 New Dam	
99	Ngunya	surface	Eastern	Kitui	Mutomo	043100	Existing 1965	Proposal 1978	Earth	Earth						1983 Washed away	
100	Kwa Ngakithili	surface	Eastern	Kitui	Mutomo	048115	Existing 1965	Proposal 1978	Earth	Earth						1978 New Dam	
101	Itoangi	surface	Eastern	Kitui	Mutomo	088030	Existing 1965	Proposal 1978	Earth	Earth						1983 Silted	
102	Ndatani	surface	Eastern	Kitui	Mutomo	897171	Existing 1965	Proposal 1978	Earth	Earth						1978 New Dam	
103	Syothi	surface	Eastern	Kitui	Mutomo	137943	Existing 1965	Proposal 1978	Earth	Earth						1983 Silted	
104	Uwaii	surface	Eastern	Kitui	Mutomo	889164	Existing 1965	Proposal 1978	Earth	Earth						1983 Breached	
105	Nzalani	surface	Eastern	Kitui	Mutomo	982058	Existing 1965	Proposal 1978	Earth	Earth						1983 Washed away	
106	Kanzaa	surface	Eastern	Kitui	Mutomo	895167	Existing 1965	Proposal 1978	Earth	Earth						1983 Sub-standard	
107	Koma 1	surface	Eastern	Kitui	Mutomo	132038	Existing 1965	Proposal 1978	Earth	Earth						1983 No report	
108	Mukoo 2	surface	Eastern	Kitui	Mutomo	050950	Existing 1965	Proposal 1978	Earth	Earth						1983 Washed away	
109	Koma 2	surface	Eastern	Kitui	Mutomo	607035	Existing 1965	Proposal 1978	Earth	Earth						1983 Washed away	
110	Kitenzele	surface	Eastern	Kitui	Mutomo	120993	Existing 1965	Proposal 1978	Earth	Earth						1983 Washed away	
111	Kyangope	surface	Eastern	Kitui	Mutomo	005034	Existing 1965	Proposal 1978	Earth	Earth						1978 New Dam	
112	Ngunungu	surface	Eastern	Kitui	Mutomo	984135	Existing 1965	Proposal 1978	Earth	Earth						1983 Washed away	
113	Kyrtune	surface	Eastern	Kitui	Mutomo	080170	Existing 1965	Proposal 1978	Earth	Earth						1983 Washed away	
114	Syonyaa	surface	Eastern	Kitui	Mutomo	142970	Existing 1965	Proposal 1978	Earth	Earth						1983 Washed away	
115	Ilanba	surface	Eastern	Kitui	Mutomo	860824	Existing 1965	Proposal 1978	Earth	Earth						1983 Washed away	
116	Unknown	surface	Eastern	Kitui	Mutomo	797804	Existing 1965	Proposal 1978	Earth	Earth						1983 No report	
117	Unknown	surface	Eastern	Kitui	Mutomo	717622	Existing 1965	Proposal 1978	Earth	Earth						1983 No report	
118	Matinga	surface	Eastern	Kitui	Mutomo		Existing 1988	Design 1978	Earth	Earth						1983 No report	
119	Mutomo	surface	Eastern	Kitui	Mutomo		Existing 1965	Design 1978	Earth	Earth						1983 No report	
120	Ndalan	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
121	Manguva	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
122	Maukuni	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
123	Iko	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
124	Mthifi Kwani	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
125	Kita	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
126	Kanzu	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
127	Mithini	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
128	Nzeluni	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
129	Migwani	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
130	Kyoni	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
131	Kathamba	surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
132	Musosya	Sub-surface	Eastern	Kitui	Mwingi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
133	Kyangavi	average	Eastern	Kitui	Kyuso		Existing 1965	Design 1978	Earth	Earth						1983 No report	
134	Unknown	surface	Nairobi	Nairobi	Athi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
135	Unknown	surface	Nairobi	Nairobi	Athi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
136	Unknown	surface	Nairobi	Nairobi	Athi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
137	Unknown	surface	Nairobi	Nairobi	Athi		Existing 1965	Design 1978	Earth	Earth						1983 No report	
138	Nkame-Naagum	surface	R/Valley	Kajiado	Athi		Existing 1965	Design 1978	Earth	Earth						1983 No report	

## Appendix H2

H. 2-4



## Appendix H.2

H. 2-5

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (6/25)

No. of Folio	No. Name of Dam	Surface/ Sub-	Location	Main River	Province	District	Division	Basin Code	Basin Code	Grid Code	Stage of Project	Catch-Dam Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Crest Length (m)	Slope Down- stream	Reserv. Area Storage (m <sup>3</sup> )	Reserv. Construction Cost (1000ksh)	Remarks
								X	Y	(as of year)		(km <sup>2</sup> )		(m)	(m)	(m)	(1000m <sup>3</sup> )	(1000ksh)	Dated
234	*Unknown	Surface	Eastern	Machakos				897406		Existing	1977						5		1977 Condition Unknown
235	*Makaveti 2	Surface	Eastern	Machakos				121256		Existing	1977						5		1977 Condition Unknown
236	*Unknown	Surface	Eastern	Machakos				945467		Existing	1977						10		1977 Condition Unknown
237	*Makaveti 3	Surface	Eastern	Machakos				126254		Existing	1977						5		1977 Condition Unknown
238	*Unknown	Surface	Eastern	Machakos				973447		Existing	1977						10		1977 Condition Unknown
239	*Makaveti	Surface	Eastern	Machakos				139257		Existing	1977						5		1977 Condition Unknown
240	*Unknown	Surface	Eastern	Machakos				990433		Existing	1977						10		1977 Condition Unknown
241	*Kwama ingi	Surface	Eastern	Machakos				133261		Existing	1977						5		1977 Condition Unknown
242	*LR 9466	Surface	Eastern	Machakos				935416		Existing	1977						5		1977 Condition Unknown
243	*Ithembani	Surface	Eastern	Machakos				158275		Existing	1977						5		1977 Condition Unknown
244	*LR 9466	Surface	Eastern	Machakos				939413		Existing	1977						5		1977 Condition Unknown
245	*Ikiyiluni	Surface	Eastern	Machakos				163279		Existing	1977						5		1977 Condition Unknown
246	*Unknown	Surface	Eastern	Machakos				907408		Existing	1977						5		1977 Condition Unknown
247	*Kitulu 1	Surface	Eastern	Machakos				161295		Existing	1977						5		1977 Condition Unknown
248	*Unknown	Surface	Eastern	Machakos				934423		Existing	1977						10		1977 Condition Unknown
249	*Kitulu 2	Surface	Eastern	Machakos				164293		Existing	1977						5		1977 Condition Unknown
250	*Kamuthanya Mis.1	Surface	Eastern	Machakos				013469		Existing	1977						15		1977 Condition Unknown
251	*Iiani	Surface	Eastern	Machakos				183296		Existing	1977						15		1977 Condition Unknown
252	*Kamuthanya Mis.3	Surface	Eastern	Machakos				003473		Existing	1977						15		1977 Condition Unknown
253	*Ikumoni No. 2	Surface	Eastern	Machakos				182273		Existing	1977						15		1977 Condition Unknown
254	*Kamuthanya Mis.5	Surface	Eastern	Machakos				000468		Existing	1977						15		1977 Condition Unknown
255	*Ikumoni No. 1	Surface	Eastern	Machakos				205272		Existing	1977						10		1977 Condition Unknown
256	*Kamuthanya Mis.7	Surface	Eastern	Machakos				002463		Existing	1977						25		1977 Condition Unknown
257	*Ikumoni 1	Surface	Eastern	Machakos				187266		Existing	1977						5		1977 Condition Unknown
258	*Mwa Hills Sett.1	Surface	Eastern	Machakos				019434		Existing	1977						15		1977 Condition Unknown
259	*Ikumoni 2	Surface	Eastern	Machakos				189268		Existing	1977						5		1977 Condition Unknown
260	*Mwa Hills Sett.3	Surface	Eastern	Machakos				003406		Existing	1977						5		1977 Condition Unknown
261	*Ikumoni 3	Surface	Eastern	Machakos				173263		Existing	1977						5		1977 Condition Unknown
262	*LR 6989	Surface	Eastern	Machakos				831382		Existing	1977						15		1977 Condition Unknown
263	*Kyambu lu	Surface	Eastern	Machakos				178254		Existing	1977						5		1977 Condition Unknown
264	*GL 8857 2	Surface	Eastern	Machakos				864383		Existing	1977						5		1977 Condition Unknown
265	*Kyakamunaka	Surface	Eastern	Machakos				180250		Existing	1977						5		1977 Condition Unknown
266	*LR 7885	Surface	Eastern	Machakos				849347		Existing	1977						10		1977 Condition Unknown
267	*Kisueni	Surface	Eastern	Machakos				168244		Existing	1977						5		1977 Condition Unknown
268	*GL 4737 2	Surface	Eastern	Machakos				883371		Existing	1977						5		1977 Condition Unknown
269	*Hiukoni	Surface	Eastern	Machakos				198247		Existing	1977						5		1977 Condition Unknown
270	*Mhatatani E.1	Surface	Eastern	Machakos				924358		Existing	1977						15		1977 Condition Unknown
271	*Hiukoni 1	Surface	Eastern	Machakos				194246		Existing	1977						5		1977 Condition Unknown
272	*Mhatatani E.3	Surface	Eastern	Machakos				897358		Existing	1977						20		1977 Condition Unknown
273	*Mbatani	Surface	Eastern	Machakos				202296		Existing	1977						5		1977 Condition Unknown
274	*LR 9466	Surface	Eastern	Machakos				936399		Existing	1977						10		1977 Condition Unknown
275	*Malawa	Surface	Eastern	Machakos				213299		Existing	1977						10		1977 Condition Unknown
276	*Lukunya Sett.2	Surface	Eastern	Machakos				991384		Existing	1977						5		1977 Condition Unknown
277	*Kinyani	Surface	Eastern	Machakos				202278		Existing	1977						5		1977 Condition Unknown
278	*Katieka Sett.2	Surface	Eastern	Machakos				002356		Existing	1977						15		1977 Condition Unknown
279	*Syonthaa	Surface	Eastern	Machakos				213268		Existing	1977						5		1977 Condition Unknown
280	*Mhatatani Farm 1	Surface	Eastern	Machakos				994343		Existing	1977						5		1977 Condition Unknown
281	*Kinyanyani	Surface	Eastern	Machakos				203262		Existing	1977						5		1977 Condition Unknown
282	*Mhatatani Farm 3	Surface	Eastern	Machakos				999343		Existing	1977						5		1977 Condition Unknown

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (7/25)

No. of Folio	Surface/ Sub-	Location	Main River	Basin Code	Stage of Project	Catchment Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Dam Crest Length (m)	Slope Down- stream	Embankment Volume (m <sup>3</sup> )	Reserv. Storage Area (1000m <sup>2</sup> )	Reserv. Construction Cost (1000ksh)	Dated	Remarks
283 *Koy	Surface	Eastern	Machakos	266269	Existing	1977						5		1977	Condition Unknown
284 *Mathatani Farm 5	Surface	Eastern	Machakos	004343	Existing	1977						5		1977	Condition Unknown
285 *Kali	Surface	Eastern	Machakos	251245	Existing	1977						5		1977	Condition Unknown
286 *luwongoni	Surface	Eastern	Machakos	037375	Existing	1977						10		1977	Condition Unknown
287 *Mboco	Surface	Eastern	Machakos	088195	Existing	1977						5		1977	Condition Unknown
288 *Kandani 2	Surface	Eastern	Machakos	052348	Existing	1977						5		1977	Condition Unknown
289 *Kathumo	Surface	Eastern	Machakos	097188	Existing	1977						5		1977	Condition Unknown
290 *Rian	Surface	Eastern	Machakos	072550	Existing	1977						5		1977	Condition Unknown
291 *Kityoni 1	Surface	Eastern	Machakos	089179	Existing	1977						5		1977	Condition Unknown
292 *Kathama 2	Surface	Eastern	Machakos	062175	Existing	1977						15		1977	Condition Unknown
293 *Lumbwa 1	Surface	Eastern	Machakos	103505	Existing	1977						10		1977	Condition Unknown
294 *Chief Uku	Surface	Eastern	Machakos	058163	Existing	1977						15		1977	Condition Unknown
295 *Lumbwa 2	Surface	Eastern	Machakos	140586	Existing	1977						5		1977	Condition Unknown
296 *Misuuni	Surface	Eastern	Machakos	068167	Existing	1977						5		1977	Condition Unknown
297 *Lumbwa 3	Surface	Eastern	Machakos	115575	Existing	1977						20		1977	Condition Unknown
298 *Ratine 2	Surface	Eastern	Machakos	082169	Existing	1977						5		1977	Condition Unknown
299 *Lumbwa 4	Surface	Eastern	Machakos	143573	Existing	1977						5		1977	Condition Unknown
300 *Kwa Kyole	Surface	Eastern	Machakos	095167	Existing	1977						5		1977	Condition Unknown
301 *Lumbwa 5	Surface	Eastern	Machakos	130538	Existing	1977						5		1977	Condition Unknown
302 *Matetani	Surface	Eastern	Machakos	072142	Existing	1977						5		1977	Condition Unknown
303 *Mutisiya 1	Surface	Eastern	Machakos	147513	Existing	1977						5		1977	Condition Unknown
304 *Kakuyuni	Surface	Eastern	Machakos	075151	Existing	1977						5		1977	Condition Unknown
305 *Mutisiya 2	Surface	Eastern	Machakos	193502	Existing	1977						5		1977	Condition Unknown
306 *Kathini 1	Surface	Eastern	Machakos	075146	Existing	1977						5		1977	Condition Unknown
307 *Mutisiya 3	Surface	Eastern	Machakos	200533	Existing	1977						5		1977	Condition Unknown
308 *Kitwii	Surface	Eastern	Machakos	063153	Existing	1977						15		1977	Condition Unknown
309 *Konza sett.1	Surface	Eastern	Machakos	235611	Existing	1977						10		1977	Condition Unknown
310 *Nyanyaya	Surface	Eastern	Machakos	062148	Existing	1977						5		1977	Condition Unknown
311 *Konza sett.2	Surface	Eastern	Machakos	263604	Existing	1977						5		1977	Condition Unknown
312 *Kunau	Surface	Eastern	Machakos	064135	Existing	1977						5		1977	Condition Unknown
313 *Konza sett.3	Surface	Eastern	Machakos	255568	Existing	1977						5		1977	Condition Unknown
314 *Marolo 1	Surface	Eastern	Machakos	066127	Existing	1977						10		1977	Condition Unknown
315 *Konza sett.4	Surface	Eastern	Machakos	255563	Existing	1977						15		1977	Condition Unknown
316 *Muini	Surface	Eastern	Machakos	071123	Existing	1977						5		1977	Condition Unknown
317 *Konza sett.5	Surface	Eastern	Machakos	274523	Existing	1977						5		1977	Condition Unknown
318 *Unknown	Surface	Eastern	Machakos	073134	Existing	1977						5		1977	Condition Unknown
319 *Konza sett.6	Surface	Eastern	Machakos	277517	Existing	1977						20		1977	Condition Unknown
320 *Kibau	Surface	Eastern	Machakos	078134	Existing	1977						5		1977	Condition Unknown
321 *Konza sett.7	Surface	Eastern	Machakos	307574	Existing	1977						5		1977	Condition Unknown
322 *Isinya	Surface	Eastern	Machakos	081134	Existing	1977						5		1977	Condition Unknown
323 *Konza sett.8	Surface	Eastern	Machakos	055485	Existing	1977						5		1977	Condition Unknown
324 *Hitaboni	Surface	Eastern	Machakos	073126	Existing	1977						5		1977	Condition Unknown
325 *Konza sett.9	Surface	Eastern	Machakos	079464	Existing	1977						5		1977	Condition Unknown
326 *Matunya	Surface	Eastern	Machakos	064119	Existing	1977						5		1977	Condition Unknown
327 *Konza sett.10	Surface	Eastern	Machakos	130440	Existing	1977						5		1977	Condition Unknown
328 *Muilandi	Surface	Eastern	Machakos	057113	Existing	1977						10		1977	Condition Unknown
329 *Konza sett.11	Surface	Eastern	Machakos	152487	Existing	1977						10		1977	Condition Unknown
330 *Kakuyuni	Surface	Eastern	Machakos	068114	Existing	1977						5		1977	Condition Unknown
331 *Konza sett.12	Surface	Eastern	Machakos		Existing	1977								1977	Condition Unknown

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (8/25)

NO.	No. of Folio	Surface/ Sub-surface	Location	Main River	Basin	River	Basin Code	Grid Code	Stage of Project	Catchment Area (km2)	Dam Type	Dam Height (m)	Dam Crest Length (m)	Slope	Embankment Volume (m3)	Reserv. Storage Area (1000m3)	Reserv. Construction Cost (1000Ksh)	Remarks
332	*Hathithini	Surface	Eastern	Machakos			212483		Existing	1977						5		1977 Condition Unknown
333	*Konza sett.13	Surface	Eastern	Machakos			075112		Existing	1977						5		1977 Condition Unknown
334	*Kathaka 2	Surface	Eastern	Machakos			224435		Existing	1977						5		1977 Condition Unknown
335	*Konza sett.14	Surface	Eastern	Machakos			092114		Existing	1977						5		1977 Condition Unknown
336	*Mithini	Surface	Eastern	Machakos			236421		Existing	1977						5		1977 Condition Unknown
337	*Konza sett.15	Surface	Eastern	Machakos			094125		Existing	1977						5		1977 Condition Unknown
338	*Kwa Mauuno	Surface	Eastern	Machakos			236415		Existing	1977						5		1977 Condition Unknown
339	*Konza sett.16	Surface	Eastern	Machakos			062100		Existing	1977						5		1977 Condition Unknown
340	*Manyo 2	Surface	Eastern	Machakos			266492		Existing	1977						5		1977 Condition Unknown
341	*Konza sett.17	Surface	Eastern	Machakos			063101		Existing	1977						5		1977 Condition Unknown
342	*Kyulul	Surface	Eastern	Machakos			262405		Existing	1977						5		1977 Condition Unknown
343	*Konza sett.18	Surface	Eastern	Machakos			072102		Existing	1977						5		1977 Condition Unknown
344	*Kynluni	Surface	Eastern	Machakos			242480		Existing	1977						5		1977 Condition Unknown
345	*Konza sett.19	Surface	Eastern	Machakos			082104		Existing	1977						5		1977 Condition Unknown
346	*Manyo 4	Surface	Eastern	Machakos			244463		Existing	1977						5		1977 Condition Unknown
347	*Konza sett.20	Surface	Eastern	Machakos			083090		Existing	1977						5		1977 Condition Unknown
348	*Manyo 6	Surface	Eastern	Machakos			245451		Existing	1977						5		1977 Condition Unknown
349	*Konza sett.21	Surface	Eastern	Machakos			067084		Existing	1977						5		1977 Condition Unknown
350	*Hakutano	Surface	Eastern	Machakos			288468		Existing	1977						5		1977 Condition Unknown
351	*Konza sett.22	Surface	Eastern	Machakos			087083		Existing	1977						5		1977 Condition Unknown
352	*Nthunguni 1	Surface	Eastern	Machakos			295448		Existing	1977						15		1977 Condition Unknown
353	*Konza sett.23	Surface	Eastern	Machakos			060078		Existing	1977						5		1977 Condition Unknown
354	*Metaa 1	Surface	Eastern	Machakos			247434		Existing	1977						5		1977 Condition Unknown
355	*Konza sett.24	Surface	Eastern	Machakos			082089		Existing	1977						10		1977 Condition Unknown
356	*Metaa 3	Surface	Eastern	Machakos			264430		Existing	1977						5		1977 Condition Unknown
357	*Konza sett.25	Surface	Eastern	Machakos			084086		Existing	1977						5		1977 Condition Unknown
358	*Embul	Surface	Eastern	Machakos			293427		Existing	1977						5		1977 Condition Unknown
359	*Konza sett.26	Surface	Eastern	Machakos			085085		Existing	1977						5		1977 Condition Unknown
360	*Kinyathuani 2	Surface	Eastern	Machakos			257416		Existing	1977						5		1977 Condition Unknown
361	*Konza sett.27	Surface	Eastern	Machakos			092087		Existing	1977						5		1977 Condition Unknown
362	*Kilungani 1	Surface	Eastern	Machakos			277414		Existing	1977						5		1977 Condition Unknown
363	*Konza sett.28	Surface	Eastern	Machakos			099086		Existing	1977						5		1977 Condition Unknown
364	*Kilungani 3	Surface	Eastern	Machakos			277414		Existing	1977						5		1977 Condition Unknown
365	*Konza sett.29	Surface	Eastern	Machakos			064079		Existing	1977						5		1977 Condition Unknown
366	*Unknown	Surface	Eastern	Machakos			297412		Existing	1977						5		1977 Condition Unknown
367	*Konza sett.30	Surface	Eastern	Machakos			078078		Existing	1977						5		1977 Condition Unknown
368	*Ngatini	Surface	Eastern	Machakos			277406		Existing	1977						5		1977 Condition Unknown
369	*Konza sett.31	Surface	Eastern	Machakos			091076		Existing	1977						10		1977 Condition Unknown
370	*Mbaani 2	Surface	Eastern	Machakos			294406		Existing	1977						15		1977 Condition Unknown
371	*Konza sett.32	Surface	Eastern	Machakos			099077		Existing	1977						5		1977 Condition Unknown
372	*Mbaani 4	Surface	Eastern	Machakos			299402		Existing	1977						5		1977 Condition Unknown
373	*Konza sett.33	Surface	Eastern	Machakos			087062		Existing	1977						5		1977 Condition Unknown
374	*Mbeek 2	Surface	Eastern	Machakos			310495		Existing	1977						10		1977 Condition Unknown
375	*Konza sett.34	Surface	Eastern	Machakos			092068		Existing	1977						5		1977 Condition Unknown
376	*Unknown	Surface	Eastern	Machakos			306464		Existing	1977						15		1977 Condition Unknown
377	*Konza Ranch	Surface	Eastern	Machakos			068068		Existing	1977						5		1977 Condition Unknown
378	*Kwanthula 2	Surface	Eastern	Machakos			322463		Existing	1977						5		1977 Condition Unknown
379	*LR 1696/4	Surface	Eastern	Machakos			066066		Existing	1977						5		1977 Condition Unknown
380	*Embul 2	Surface	Eastern	Machakos			325434		Existing	1977						5		1977 Condition Unknown

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (9/25)

NO.	No. of Folio	Name of Dam	Sub-surface	Province	Location	Main River	Basin Code	Grid Code	Stage of Project	Catchment Area (km2)	Dam Type	Dam Height (m)	Crest Length (m)	Slope	Embankment Volume (m3)	Reserv. Storage Area (1000m3)	Construction Cost (1000K.sh)	Dated	Remarks
381		*Kiatuni	Surface	Eastern	Machakos		152181		Existing 1977							5		1977	Condition Unknown
382		*Kalyambeu	Surface	Eastern	Machakos		316402		Existing 1977							5		1977	Condition Unknown
383		*Kiatuni 1	Surface	Eastern	Machakos		155179		Existing 1977							5		1977	Condition Unknown
384		*Nyalya	Surface	Eastern	Machakos		194389		Existing 1977							5		1977	Condition Unknown
385		*Kya Munyu	Surface	Eastern	Machakos		101174		Existing 1977							5		1977	Condition Unknown
386		*Iundi	Surface	Eastern	Machakos		244400		Existing 1977							5		1977	Condition Unknown
387		*Hwani	Surface	Eastern	Machakos		316474		Existing 1977							5		1977	Condition Unknown
388		*Kwanchula 1	Surface	Eastern	Machakos		317458		Existing 1977							5		1977	Condition Unknown
389		*Iiani	Surface	Eastern	Machakos		206382		Existing 1977							5		1977	Condition Unknown
390		*Embu 1	Surface	Eastern	Machakos		322436		Existing 1977							5		1977	Condition Unknown
391		*Kithangani	Surface	Eastern	Machakos		226365		Existing 1977							5		1977	Condition Unknown
392		*Mbondoni	Surface	Eastern	Machakos		308423		Existing 1977							5		1977	Condition Unknown
393		*Kyenhei	Surface	Eastern	Machakos		243517		Existing 1977							5		1977	Condition Unknown
394		*Iveti	Surface	Eastern	Machakos		059356		Existing 1977							10		1977	Condition Unknown
395		*Witoni	Surface	Eastern	Machakos		250390		Existing 1977							5		1977	Condition Unknown
396		*Unknown	Surface	Eastern	Machakos		213398		Existing 1977							10		1977	Condition Unknown
397		*Mbaani 1	Surface	Eastern	Machakos		276395		Existing 1977							5		1977	Condition Unknown
398		*Yuni 1	Surface	Eastern	Machakos		224387		Existing 1977							5		1977	Condition Unknown
399		*Masii 1	Surface	Eastern	Machakos		263385		Existing 1977							5		1977	Condition Unknown
400		*Yuni 2	Surface	Eastern	Machakos		222386		Existing 1977							5		1977	Condition Unknown
401		*Masii 3	Surface	Eastern	Machakos		278379		Existing 1977							5		1977	Condition Unknown
402		*Unknown	Surface	Eastern	Machakos		104150		Existing 1977							5		1977	Condition Unknown
403		*Unknown	Surface	Eastern	Machakos		271364		Existing 1977							5		1977	Condition Unknown
404		*Matotopo	Surface	Eastern	Machakos		890164		Existing 1977							10		1977	Condition Unknown
405		*Kyaicha No. 1	Surface	Eastern	Machakos		272348		Existing 1977							5		1977	Condition Unknown
406		*Kibwezi	Surface	Eastern	Machakos		885359		Existing 1977							5		1977	Condition Unknown
407		*Kythiuo	Surface	Eastern	Machakos		324367		Existing 1977							5		1977	Condition Unknown
408		*Ndio	Surface	Eastern	Machakos		128153		Existing 1977							5		1977	Condition Unknown
409		*Kitangani	Surface	Eastern	Machakos		496854		Existing 1977							15		1977	Condition Unknown
410		*Katuma	Surface	Eastern	Machakos		131141		Existing 1977							5		1977	Condition Unknown
411		*Katulani	Surface	Eastern	Machakos		422772		Existing 1977							5		1977	Condition Unknown
412		*Hanza 3	Surface	Eastern	Machakos		137143		Existing 1977							5		1977	Condition Unknown
413		*Matuu	Surface	Eastern	Machakos		392742		Existing 1977							5		1977	Condition Unknown
414		*Iuni 1	Surface	Eastern	Machakos		136148		Existing 1977							1		1977	Condition Unknown
415		*Unknown	Surface	Eastern	Machakos		399721		Existing 1977							5		1977	Condition Unknown
416		*Iuni 2	Surface	Eastern	Machakos		137155		Existing 1977							1		1977	Condition Unknown
417		*Kikwa	Surface	Eastern	Machakos		360741		Existing 1977							5		1977	Condition Unknown
418		*Iuni 3	Surface	Eastern	Machakos		140143		Existing 1977							1		1977	Condition Unknown
419		*Makioenzi	Surface	Eastern	Machakos		396697		Existing 1977							25		1977	Condition Unknown
420		*Iuni 4	Surface	Eastern	Machakos		150139		Existing 1977							1		1977	Condition Unknown
421		*Kausau 2	Surface	Eastern	Machakos		433700		Existing 1977							20		1977	Condition Unknown
422		*Iuni 5	Surface	Eastern	Machakos		151144		Existing 1977							1		1977	Condition Unknown
423		*Kwa Ndoto	Surface	Eastern	Machakos		408419		Existing 1977							5		1977	Condition Unknown
424		*Iuni 6	Surface	Eastern	Machakos		145146		Existing 1977							1		1977	Condition Unknown
425		*Ndooni	Surface	Eastern	Machakos		627803		Existing 1977							5		1977	Condition Unknown
426		*Iuni 7	Surface	Eastern	Machakos		147157		Existing 1977							1		1977	Condition Unknown
427		*Kwa Matuki	Surface	Eastern	Machakos		668818		Existing 1977							5		1977	Condition Unknown
428		*Mangeili 1	Surface	Eastern	Machakos		154126		Existing 1977							5		1977	Condition Unknown
429		*Machingau	Surface	Eastern	Machakos		427612		Existing 1977							5		1977	Condition Unknown

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (10/25)

NO.	Name of Dam	No. of Folio	Surface/ Sub-surface	Location	Main River	Basin Code	X	Y	Stage of Project (as of year)	Catch. Dam Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Dam Crest Length (m)	Slope Up-Down	Embank- ment Volume (m <sup>3</sup> )	Reserv. Storage Area (1000m <sup>3</sup> )	Reserv. Construction Cost (1000sh)	Dated	Remarks
430	*Mangeli 2		Surface	Eastern	Machakos		157127		Existing	1977						5		1977	Condition Unknown
431	*Ikombe		Surface	Eastern	Machakos		495555		Existing	1977						5		1977	Condition Unknown
432	*Patia		Surface	Eastern	Machakos		162123		Existing	1977						5		1977	Condition Unknown
433	*Kinyeata No. 2		Surface	Eastern	Machakos		563577		Existing	1977						5		1977	Condition Unknown
434	*Kola		Surface	Eastern	Machakos		164117		Existing	1977						5		1977	Condition Unknown
435	*Syano		Surface	Eastern	Machakos		608499		Existing	1977						5		1977	Condition Unknown
436	*Katanga		Surface	Eastern	Machakos		200134		Existing	1977						30		1977	Condition Unknown
437	*Katangi		Surface	Eastern	Machakos		543445		Existing	1977						5		1977	Condition Unknown
438	*Masuni		Surface	Eastern	Machakos		193133		Existing	1977						5		1977	Condition Unknown
439	*Kwangie		Surface	Eastern	Machakos		344538		Existing	1977						5		1977	Condition Unknown
440	*Katanga		Surface	Eastern	Machakos		182133		Existing	1977						5		1977	Condition Unknown
441	*Kilimbwa		Surface	Eastern	Machakos		374507		Existing	1977						10		1977	Condition Unknown
442	*Mumabatu		Surface	Eastern	Machakos		103150		Existing	1977						5		1977	Condition Unknown
443	*Kwa Muathe 1		Surface	Eastern	Machakos		359447		Existing	1977						5		1977	Condition Unknown
444	*Ng'izi		Surface	Eastern	Machakos		101133		Existing	1977						5		1977	Condition Unknown
445	*Hamuyi 1		Surface	Eastern	Machakos		393447		Existing	1977						10		1977	Condition Unknown
446	*Ng'izi 1		Surface	Eastern	Machakos		103135		Existing	1977						5		1977	Condition Unknown
447	*Kwa Maeto		Surface	Eastern	Machakos		382434		Existing	1977						5		1977	Condition Unknown
448	*Kauyuni 1		Surface	Eastern	Machakos		107115		Existing	1977						5		1977	Condition Unknown
449	*Mangotota 2		Surface	Eastern	Machakos		374428		Existing	1977						5		1977	Condition Unknown
450	*Kauyuni 2		Surface	Eastern	Machakos		111122		Existing	1977						5		1977	Condition Unknown
451	*Munga 2		Surface	Eastern	Machakos		366429		Existing	1977						5		1977	Condition Unknown
452	*Matulani		Surface	Eastern	Machakos		116114		Existing	1977						5		1977	Condition Unknown
453	*Kilaatu		Surface	Eastern	Machakos		420482		Existing	1977						15		1977	Condition Unknown
454	*Matulani 1		Surface	Eastern	Machakos		117102		Existing	1977						5		1977	Condition Unknown
455	*Hakalu		Surface	Eastern	Machakos		410424		Existing	1977						5		1977	Condition Unknown
456	*Matulani 2		Surface	Eastern	Machakos		123103		Existing	1977						5		1977	Condition Unknown
457	*Kiyumu		Surface	Eastern	Machakos		385364		Existing	1977						5		1977	Condition Unknown
458	*Kiboko		Surface	Eastern	Machakos		585561		Existing	1977						5		1977	Condition Unknown
459	*Kutano		Surface	Eastern	Machakos		454347		Existing	1977						5		1977	Condition Unknown
460	*Ngalyuka		Surface	Eastern	Machakos		134135		Existing	1977						5		1977	Condition Unknown
461	*Kyua		Surface	Eastern	Machakos		617438		Existing	1977						5		1977	Condition Unknown
462	*Katungwi No. 3		Surface	Eastern	Machakos		134131		Existing	1977						5		1977	Condition Unknown
463	*Kenplains E.1		Surface	Eastern	Machakos		794320		Existing	1977						20		1977	Condition Unknown
464	*Kaleli		Surface	Eastern	Machakos		140131		Existing	1977						5		1977	Condition Unknown
465	*Kenplains E.3		Surface	Eastern	Machakos		847325		Existing	1977						5		1977	Condition Unknown
466	*Malone 1		Surface	Eastern	Machakos		132128		Existing	1977						5		1977	Condition Unknown
467	*LR 8231		Surface	Eastern	Machakos		823237		Existing	1977						5		1977	Condition Unknown
468	*Malone 2		Surface	Eastern	Machakos		133127		Existing	1977						5		1977	Condition Unknown
469	*LR 7590/6		Surface	Eastern	Machakos		865314		Existing	1977						5		1977	Condition Unknown
470	*Malone 3		Surface	Eastern	Machakos		134126		Existing	1977						5		1977	Condition Unknown
471	*LR 4379 1		Surface	Eastern	Machakos		896317		Existing	1977						5		1977	Condition Unknown
472	*Malone 4		Surface	Eastern	Machakos		130123		Existing	1977						5		1977	Condition Unknown
473	*LR 4379 3		Surface	Eastern	Machakos		915306		Existing	1977						10		1977	Condition Unknown
474	*Malone 5		Surface	Eastern	Machakos		132119		Existing	1977						5		1977	Condition Unknown
475	*Potha Estate 1		Surface	Eastern	Machakos		957289		Existing	1977						5		1977	Condition Unknown
476	*Malone 6		Surface	Eastern	Machakos		134117		Existing	1977						5		1977	Condition Unknown
477	*Potha Estate 3		Surface	Eastern	Machakos		968285		Existing	1977						5		1977	Condition Unknown
478	*Malone 7		Surface	Eastern	Machakos		137120		Existing	1977						5		1977	Condition Unknown

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (11/25)

NO.	Name of Dam	Sub-surface	No. of Folio	Location	Province	District	Main River	Basin Code	Grid Code	Stage of Project	Catchment Area (km <sup>2</sup> )	Dam Type	Height (m)	Dam Crest Length (m)	Slope	Embankment Volume (m <sup>3</sup> )	Reserv. Storage Area (km <sup>2</sup> )	Reserv. Storage Volume (1000m <sup>3</sup> )	Construction Cost (1000ksh)	Remarks
479	*LR 3879	Surface		Eastern					970271	Existing	1977							10		1977 Condition Unknown
480	*Matone 8	Surface		Eastern					142122	Existing	1977							5		1977 Condition Unknown
481	*LR 7374/4 1	Surface		Eastern					913229	Existing	1977							5		1977 Condition Unknown
482	*Matone 9	Surface		Eastern					143136	Existing	1977							5		1977 Condition Unknown
483	*LR 7374/4 3	Surface		Eastern					955224	Existing	1977							5		1977 Condition Unknown
484	*Kola	Surface		Eastern					155113	Existing	1977							5		1977 Condition Unknown
485	*Kitanga Sett.2	Surface		Eastern					960337	Existing	1977							10		1977 Condition Unknown
486	*Kee	Surface		Eastern					155101	Existing	1977							5		1977 Condition Unknown
487	*Kitanga Sett.4	Surface		Eastern					947330	Existing	1977							5		1977 Condition Unknown
488	*Kivani	Surface		Eastern					187100	Existing	1977							5		1977 Condition Unknown
489	*Kitanga Sett.6	Surface		Eastern					963311	Existing	1977							5		1977 Condition Unknown
490	*Hunter's Lodge	Surface		Eastern					564557	Existing	1977							30		1977 Condition Unknown
491	*Kitanga Sett.8	Surface		Eastern					974317	Existing	1977							5		1977 Condition Unknown
492	*Samba Ranch 2	Surface		Eastern					515677	Existing	1977							5		1977 Condition Unknown
493	*LR 4997/2 1	Surface		Eastern					979333	Existing	1977							5		1977 Condition Unknown
494	*Kasungun 1	Surface		Eastern					123085	Existing	1977							5		1977 Condition Unknown
495	*LR 4997/2 3	Surface		Eastern					985318	Existing	1977							5		1977 Condition Unknown
496	*Samba Ranch 1	Surface		Eastern					498685	Existing	1977							5		1977 Condition Unknown
497	*LR 4997/2 5	Surface		Eastern					999317	Existing	1977							5		1977 Condition Unknown
498	*Ititani	Surface		Eastern					541737	Existing	1977							10		1977 Condition Unknown
499	*Settlement 294 2	Surface		Eastern					997321	Existing	1977							5		1977 Condition Unknown
500	*Matema	Surface		Eastern					135083	Existing	1977							5		1977 Condition Unknown
501	*Kathaka Kai S.1	Surface		Eastern					029339	Existing	1977							15		1977 Condition Unknown
502	*Kicandi	Surface		Eastern					150070	Existing	1977							5		1977 Condition Unknown
503	*Kathaka Kai S.3	Surface		Eastern					015327	Existing	1977							25		1977 Condition Unknown
504	*LR 10064 1	Surface		Eastern					940064	Existing	1977							5		1977 Condition Unknown
505	*K111ha Farm 2	Surface		Eastern					977291	Existing	1977							5		1977 Condition Unknown
506	*LR 10064 2	Surface		Eastern					951060	Existing	1977							5		1977 Condition Unknown
507	*LR 10255	Surface		Eastern					024310	Existing	1977							35		1977 Condition Unknown
508	*LR 10064 3	Surface		Eastern					945055	Existing	1977							5		1977 Condition Unknown
509	*K11ma Kimwe 2	Surface		Eastern					027287	Existing	1977							5		1977 Condition Unknown
510	*LR 10064 4	Surface		Eastern					965064	Existing	1977							5		1977 Condition Unknown
511	*K11ma Kimwe 4	Surface		Eastern					033257	Existing	1977							5		1977 Condition Unknown
512	*LR 5811 1	Surface		Eastern					973040	Existing	1977							5		1977 Condition Unknown
513	*K11ma Kimwe 6	Surface		Eastern					026245	Existing	1977							5		1977 Condition Unknown
514	*LR 5811 2	Surface		Eastern					004030	Existing	1977							10		1977 Condition Unknown
515	*LR 7374/4 West 2	Surface		Eastern					902189	Existing	1977							10		1977 Condition Unknown
516	*LR 4916 1	Surface		Eastern					905038	Existing	1977							35		1977 Condition Unknown
517	*LR 7374/4 East 1	Surface		Eastern					953195	Existing	1977							15		1977 Condition Unknown
518	*LR 4916 2	Surface		Eastern					003051	Existing	1977							5		1977 Condition Unknown
519	*LR 7374/4 East 3	Surface		Eastern					938177	Existing	1977							5		1977 Condition Unknown
520	*LR 4916 3	Surface		Eastern					008046	Existing	1977							5		1977 Condition Unknown
521	*Mbondoni	Surface		Eastern			Tana		372062	Design	1977							22	0.01	800 1977 New Dam
522	*LR 4916 4	Surface		Eastern					011055	Existing	1977							5		1977 Condition Unknown
523	*Kitangani	Surface		Eastern					494858	construct	1976									442 1976 New Dam
524	*K111ha Kiu 1	Surface		Eastern					051064	Existing	1977							5		1977 Condition Unknown
525	*Kimundi	Surface		Eastern			Tharu		830721	Tender	1977							51	0.04	460 1977 Re-construction
526	*K111ha Kiu 2	Surface		Eastern					053059	Existing	1977							5		1977 Condition Unknown
527	*Braemar Estate	Surface		Eastern					714533	Existing	1977							30		1977 Condition Unknown

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (12/25)

NO.	No. of Folio	Name of Dam	Surface/ Sub-surface	Location	Main -River	Basin Code	Grid Code	Stage of Project	Catch. Dam Area (km <sup>2</sup> )	Dam Height (m)	Dam Crest Length (m)	Slope	Embank- ment Volume (m <sup>3</sup> )	Reserv. Area Storage (1000m <sup>3</sup> )	Reserv. Construction Cost (1000ksh)	Remarks
528	*Kiliwa Kiu 3	Surface	Eastern	Hachakos		082056	Existing 1977						5		1977	Condition Unknown
529	*Agric. R. Sta.	Surface	Eastern	Hachakos		746383	Existing 1977						10		1977	Condition Unknown
530	*Kiliwa Kiu 4	Surface	Eastern	Hachakos		042047	Existing 1977						5		1977	Condition Unknown
531	*Mazani Ranch 2	Surface	Eastern	Hachakos		313701	Existing 1977						3		1977	Condition Unknown
532	*Kiliwa Kiu 5	Surface	Eastern	Hachakos		044046	Existing 1977						5		1977	Condition Unknown
533	*Donyo Sabuk E.1	Surface	Eastern	Hachakos		055776	Existing 1977						10		1977	Condition Unknown
534	*Kiliwa Kiu 6	Surface	Eastern	Hachakos		045045	Existing 1977						5		1977	Condition Unknown
535	*Kianzabe E.1	Surface	Eastern	Hachakos		112713	Existing 1977						5		1977	Condition Unknown
536	*Kiliwa Kiu 7	Surface	Eastern	Hachakos		023049	Existing 1977						5		1977	Condition Unknown
537	*Matuu Estate 2	Surface	Eastern	Hachakos		057606	Existing 1977						50		1977	Condition Unknown
538	*Kiliwa Kiu 8	Surface	Eastern	Hachakos		025053	Existing 1977						5		1977	Condition Unknown
539	*LR 5046/3 1	Surface	Eastern	Hachakos		092692	Existing 1977						5		1977	Condition Unknown
540	*Kiliwa Kiu 9	Surface	Eastern	Hachakos		028048	Existing 1977						5		1977	Condition Unknown
541	*Tuoioni Estate 3	Surface	Eastern	Hachakos		077657	Existing 1977						10		1977	Condition Unknown
542	*Kiliwa Kiu 10	Surface	Eastern	Hachakos		032046	Existing 1977						10		1977	Condition Unknown
543	*Rwati	Surface	Eastern	Hachakos		082644	Existing 1977						10		1977	Condition Unknown
544	*Kiliwa Kiu 11	Surface	Eastern	Hachakos		034037	Existing 1977						5		1977	Condition Unknown
545	*Kwa Ngwa	Surface	Eastern	Hachakos		119639	Existing 1977						10		1977	Condition Unknown
546	*Kiliwa Kiu 12	Surface	Eastern	Hachakos		044034	Existing 1977						5		1977	Condition Unknown
547	*Tikoni	Surface	Eastern	Hachakos		202654	Existing 1977						10		1977	Condition Unknown
548	*LR 1694 1	Surface	Eastern	Hachakos		047008	Existing 1977						5		1977	Condition Unknown
549	*Dumale E.1	Surface	Eastern	Hachakos		816561	Existing 1977						30		1977	Condition Unknown
550	*LR 1694 2	Surface	Eastern	Hachakos		017037	Existing 1977						10		1977	Condition Unknown
551	*LR 7283/1 2	Surface	Eastern	Hachakos		821542	Existing 1977						10		1977	Condition Unknown
552	*LR 1212 1	Surface	Eastern	Hachakos		036023	Existing 1977						5		1977	Condition Unknown
553	*LR 0529/1 2	Surface	Eastern	Hachakos		825520	Existing 1977						5		1977	Condition Unknown
554	*LR 1212 2	Surface	Eastern	Hachakos		038023	Existing 1977						5		1977	Condition Unknown
555	*Hitaboni	Surface	Eastern	Hachakos		049512	Existing 1977						5		1977	Condition Unknown
556	*LR 1212 3	Surface	Eastern	Hachakos		034015	Existing 1977						5		1977	Condition Unknown
557	*Renani Estate 2	Surface	Eastern	Hachakos		839469	Existing 1977						20		1977	Condition Unknown
558	*LR 1212 4	Surface	Eastern	Hachakos		023011	Existing 1977						10		1977	Condition Unknown
559	*Moutolew E.2	Surface	Eastern	Hachakos		877416	Existing 1977						20		1977	Condition Unknown
560	*LR 1212 5	Surface	Eastern	Hachakos		024024	Existing 1977						10		1977	Condition Unknown
561	*LR 0529/R 4	Surface	Eastern	Hachakos		836495	Existing 1977						15		1977	Condition Unknown
562	*LR 5835 1	Surface	Eastern	Hachakos		997036	Existing 1977						5		1977	Condition Unknown
563	*Unknown	Surface	Eastern	Hachakos		902461	Existing 1977						10		1977	Condition Unknown
564	*LR 5835 2	Surface	Eastern	Hachakos		010028	Existing 1977						5		1977	Condition Unknown
565	*Unknown	Surface	Eastern	Hachakos		955409	Existing 1977						15		1977	Condition Unknown
566	*LR 5835 3	Surface	Eastern	Hachakos		014016	Existing 1977						5		1977	Condition Unknown
567	*LR 9466	Surface	Eastern	Hachakos		940413	Existing 1977						5		1977	Condition Unknown
568	*LR 5835 4	Surface	Eastern	Hachakos		003006	Existing 1977						5		1977	Condition Unknown
569	*EL 3628	Surface	Eastern	Hachakos		949437	Existing 1977						15		1977	Condition Unknown
570	*LR 5835 5	Surface	Eastern	Hachakos		974021	Existing 1977						5		1977	Condition Unknown
571	*Kamathanya Mis.4	Surface	Eastern	Hachakos		002471	Existing 1977						20		1977	Condition Unknown
572	*LR 5835 6	Surface	Eastern	Hachakos		976994	Existing 1977						5		1977	Condition Unknown
573	*Hitaboni	Surface	Eastern	Hachakos		046487	Existing 1977						15		1977	Condition Unknown
574	*LR 5835 7	Surface	Eastern	Hachakos		994028	Existing 1977						10		1977	Condition Unknown
575	*Ndila Estate	Surface	Eastern	Hachakos		809360	Existing 1977						30		1977	Condition Unknown
576	*LR 5835 8	Surface	Eastern	Hachakos		992026	Existing 1977						10		1977	Condition Unknown



## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (13/25)

No. of Folio	No. Name of Dam	Surface/ Sub-surface	Location	Main River	Basin Code	Grid Code	Stage of Project	Catchment Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Crest Length (m)	Slope Up- stream	Embankment Volume (m <sup>3</sup> )	Reserv. Area Storage (m <sup>3</sup> )	Reserv. Construction Cost (1000ksh)	Remarks
			Province	Division		X	Y	(as of year)								
577	*GL 8857 3	Surface	Eastern	Machakos		861360		Existing 1977						10		1977 Condition Unknown
578	*LR 5835 9	Surface	Eastern	Machakos		984007		Existing 1977						10		1977 Condition Unknown
579	*LR 10219	Surface	Eastern	Machakos		923344		Existing 1977						15		1977 Condition Unknown
580	*LR 1745 1	Surface	Eastern	Machakos		964993		Existing 1977						5		1977 Condition Unknown
581	*Mathatani E.4	Surface	Eastern	Machakos		892543		Existing 1977						15		1977 Condition Unknown
582	*LR 1745 2	Surface	Eastern	Machakos		939990		Existing 1977						5		1977 Condition Unknown
583	*Kathaka Sett.1	Surface	Eastern	Machakos		005360		Existing 1977						15		1977 Condition Unknown
584	*LR 1745 3	Surface	Eastern	Machakos		957982		Existing 1977						5		1977 Condition Unknown
585	*Mathatani Farm 2	Surface	Eastern	Machakos		997343		Existing 1977						5		1977 Condition Unknown
586	*LR 1745 4	Surface	Eastern	Machakos		951997		Existing 1977						10		1977 Condition Unknown
587	*Mutituni	Surface	Eastern	Machakos		041392		Existing 1977						15		1977 Condition Unknown
588	*LR 1745 5	Surface	Eastern	Machakos		962990		Existing 1977						10		1977 Condition Unknown
589	*Ngutuni	Surface	Eastern	Machakos		071521		Existing 1977						5		1977 Condition Unknown
590	*LR 1744 1	Surface	Eastern	Machakos		027002		Existing 1977						5		1977 Condition Unknown
591	*Whitaboni	Surface	Eastern	Machakos		092508		Existing 1977						5		1977 Condition Unknown
592	*LR 1744 2	Surface	Eastern	Machakos		033987		Existing 1977						5		1977 Condition Unknown
593	*Ratine 1	Surface	Eastern	Machakos		123570		Existing 1977						10		1977 Condition Unknown
594	*LR 1744 3	Surface	Eastern	Machakos		038994		Existing 1977						5		1977 Condition Unknown
595	*Kithongoni	Surface	Eastern	Machakos		113553		Existing 1977						25		1977 Condition Unknown
596	*LR 1744 4	Surface	Eastern	Machakos		999999		Existing 1977						15		1977 Condition Unknown
597	*Kikambiani	Surface	Eastern	Machakos		194567		Existing 1977						5		1977 Condition Unknown
598	*LR 1744 5	Surface	Eastern	Machakos		008995		Existing 1977						30		1977 Condition Unknown
599	*Makiliwa	Surface	Eastern	Machakos		234584		Existing 1977						5		1977 Condition Unknown
600	*LR 1744 6	Surface	Eastern	Machakos		006980		Existing 1977						30		1977 Condition Unknown
601	*Kalia	Surface	Eastern	Machakos		263588		Existing 1977						10		1977 Condition Unknown
602	*LR 1743 1	Surface	Eastern	Machakos		048995		Existing 1977						5		1977 Condition Unknown
603	*Kwa Huang	Surface	Eastern	Machakos		278534		Existing 1977						5		1977 Condition Unknown
604	*LR 1743 2	Surface	Eastern	Machakos		042965		Existing 1977						5		1977 Condition Unknown
605	*Linya	Surface	Eastern	Machakos		306584		Existing 1977						5		1977 Condition Unknown
606	*LR 1743 3	Surface	Eastern	Machakos		053967		Existing 1977						5		1977 Condition Unknown
607	*Muua	Surface	Eastern	Machakos		066476		Existing 1977						5		1977 Condition Unknown
608	*Riu Estate 1	Surface	Eastern	Machakos		003974		Existing 1977						5		1977 Condition Unknown
609	*Mbusanyi	Surface	Eastern	Machakos		142475		Existing 1977						15		1977 Condition Unknown
610	*Riu Estate 2	Surface	Eastern	Machakos		016956		Existing 1977						5		1977 Condition Unknown
611	*Kathaka 1	Surface	Eastern	Machakos		215438		Existing 1977						5		1977 Condition Unknown
612	*Riu Estate 3	Surface	Eastern	Machakos		989963		Existing 1977						5		1977 Condition Unknown
613	*Kimanu	Surface	Eastern	Machakos		233415		Existing 1977						5		1977 Condition Unknown
614	*Riu Estate 4	Surface	Eastern	Machakos		997950		Existing 1977						5		1977 Condition Unknown
615	*Kwakamelo	Surface	Eastern	Machakos		250407		Existing 1977						5		1977 Condition Unknown
616	*Riu Estate 5	Surface	Eastern	Machakos		977930		Existing 1977						15		1977 Condition Unknown
617	*Manyo 3	Surface	Eastern	Machakos		236464		Existing 1977						5		1977 Condition Unknown
618	*Riu Estate 6	Surface	Eastern	Machakos		976933		Existing 1977						15		1977 Condition Unknown
619	*Unkown	Surface	Eastern	Machakos		280462		Existing 1977						5		1977 Condition Unknown
620	*Riu Estate 7	Surface	Eastern	Machakos		979878		Existing 1977						10		1977 Condition Unknown
621	*Mthunguni 2	Surface	Eastern	Machakos		290446		Existing 1977						5		1977 Condition Unknown
622	*LR 1750 1	Surface	Eastern	Machakos		027906		Existing 1977						15		1977 Condition Unknown
623	*Wetara 4	Surface	Eastern	Machakos		267438		Existing 1977						5		1977 Condition Unknown
624	*LR 1750 2	Surface	Eastern	Machakos		020894		Existing 1977						10		1977 Condition Unknown
625	*Kinyathuan 1 3	Surface	Eastern	Machakos		257417		Existing 1977						5		1977 Condition Unknown

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (14/25)

NO.	Name of Dam	No. of Folio	Sub-Surface	Location	Main River	Basin	Grid Code	Stage of Project	Catch. Dam Area Type	Dam Height (m)	Dam Crest Length (m)	Slope	Embankment Volume (m3)	Reserv. Storage Area (1000ms)	Reserv. (1000ksh)	Construction Cost	Remarks
626	*K'ima Estate 1		Surface	Eastern	Hachakos		045920	Existing	1977					5		1977	Condition Unknown
627	*K'ilungani 4		Surface	Eastern	Hachakos		287413	Existing	1977					5		1977	Condition Unknown
628	*K'ima Estate 2		Surface	Eastern	Hachakos		053906	Existing	1977					5		1977	Condition Unknown
629	*Mbaani 1		Surface	Eastern	Hachakos		287403	Existing	1977					5		1977	Condition Unknown
630	*Mama Estate		Surface	Eastern	Hachakos		043868	Existing	1977					5		1977	Condition Unknown
631	*Maek'i 1		Surface	Eastern	Hachakos		300495	Existing	1977					5		1977	Condition Unknown
632	*LR 1693/2		Surface	Eastern	Hachakos		057044	Existing	1977					5		1977	Condition Unknown
633	*Makaiani		Surface	Eastern	Hachakos		218368	Existing	1977					5		1977	Condition Unknown
634	*Konza Ranch 1		Surface	Eastern	Hachakos		065063	Existing	1977					5		1977	Condition Unknown
635	*Masii		Surface	Eastern	Hachakos		242387	Existing	1977					5		1977	Condition Unknown
636	*Konza Ranch 2		Surface	Eastern	Hachakos		074055	Existing	1977					10		1977	Condition Unknown
637	*Mbaani 2		Surface	Eastern	Hachakos		287395	Existing	1977					5		1977	Condition Unknown
638	*Konza Ranch 3		Surface	Eastern	Hachakos		073054	Existing	1977					5		1977	Condition Unknown
639	*Utithini No. 3		Surface	Eastern	Hachakos		262362	Existing	1977					10		1977	Condition Unknown
640	*Konza Ranch 4		Surface	Eastern	Hachakos		092054	Existing	1977					5		1977	Condition Unknown
641	*Kyatitha No. 2		Surface	Eastern	Hachakos		275346	Existing	1977					5		1977	Condition Unknown
642	*Konza Sett. 1		Surface	Eastern	Hachakos		082065	Existing	1977					5		1977	Condition Unknown
643	*Kanjondi		Surface	Eastern	Hachakos		533815	Existing	1977					5		1977	Condition Unknown
644	*Konza Sett. 2		Surface	Eastern	Hachakos		095065	Existing	1977					5		1977	Condition Unknown
645	*Mathanta		Surface	Eastern	Hachakos		413740	Existing	1977					10		1977	Condition Unknown
646	*Konza Sett. 3		Surface	Eastern	Hachakos		103061	Existing	1977					5		1977	Condition Unknown
647	*K'hwatuno No. 1		Surface	Eastern	Hachakos		362710	Existing	1977					5		1977	Condition Unknown
648	*Konza Sett. 4		Surface	Eastern	Hachakos		105063	Existing	1977					25		1977	Condition Unknown
649	*Kaikunji		Surface	Eastern	Hachakos		337653	Existing	1977					10		1977	Condition Unknown
650	*LR 1696/2 1		Surface	Eastern	Hachakos		067017	Existing	1977					5		1977	Condition Unknown
651	*Jezantchi		Surface	Eastern	Hachakos		658803	Existing	1977					10		1977	Condition Unknown
652	*LR 1696/2 2		Surface	Eastern	Hachakos		065003	Existing	1977					5		1977	Condition Unknown
653	*Ngangani		Surface	Eastern	Hachakos		452575	Existing	1977					5		1977	Condition Unknown
654	*Ulu Sett. 1		Surface	Eastern	Hachakos		078030	Existing	1977					5		1977	Condition Unknown
655	*Kamambo		Surface	Eastern	Hachakos		589567	Existing	1977					5		1977	Condition Unknown
656	*Ulu Sett. 2		Surface	Eastern	Hachakos		084037	Existing	1977					5		1977	Condition Unknown
657	*Kisauni		Surface	Eastern	Hachakos		580430	Existing	1977					10		1977	Condition Unknown
658	*Ulu Sett. 3		Surface	Eastern	Hachakos		095036	Existing	1977					5		1977	Condition Unknown
659	*Nyaani		Surface	Eastern	Hachakos		343455	Existing	1977					5		1977	Condition Unknown
660	*Ulu Sett. 4		Surface	Eastern	Hachakos		105044	Existing	1977					5		1977	Condition Unknown
661	*Mamuyu 2		Surface	Eastern	Hachakos		400452	Existing	1977					10		1977	Condition Unknown
662	*Ulu Sett. 5		Surface	Eastern	Hachakos		104053	Existing	1977					5		1977	Condition Unknown
663	*Munga 1		Surface	Eastern	Hachakos		364431	Existing	1977					5		1977	Condition Unknown
664	*Ulu Sett. 6		Surface	Eastern	Hachakos		115052	Existing	1977					5		1977	Condition Unknown
665	*Kambiti		Surface	Eastern	Hachakos		430467	Existing	1977					10		1977	Condition Unknown
666	*Ulu Sett. 7		Surface	Eastern	Hachakos		103025	Existing	1977					5		1977	Condition Unknown
667	*Ngangani		Surface	Eastern	Hachakos		456376	Existing	1977					5		1977	Condition Unknown
668	*Ulu Sett. 8		Surface	Eastern	Hachakos		093018	Existing	1977					5		1977	Condition Unknown
669	*Jai		Surface	Eastern	Hachakos		610375	Existing	1977					5		1977	Condition Unknown
670	*Ulu Sett. 9		Surface	Eastern	Hachakos		100015	Existing	1977					15		1977	Condition Unknown
671	*LR 8230		Surface	Eastern	Hachakos		845291	Existing	1977					10		1977	Condition Unknown
672	*Mweini		Surface	Eastern	Hachakos		494715	Existing	1977					5		1977	Condition Unknown
673	*Mathalani Estate		Surface	Eastern	Hachakos		885339	Existing	1977					5		1977	Condition Unknown
674	*Ulu Sett. 11		Surface	Eastern	Hachakos		092997	Existing	1977					5		1977	Condition Unknown

## Appendix H2

H. 2-15

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (16/25)

No. of Folio	No. Name of Dam	Surface/ Sub-	Location	Main River	Basin Code	Grid Code	Stage of Project	Catchment Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Dam Length (m)	Slope Down-	Embankment Volume (m <sup>3</sup> )	Reserv. Storage Area (1000m <sup>2</sup> )	Reserv. Construction Cost	Remarks
		surface	Province District Division	Basin			(as of year)			(m)	(m)	-stream-		(1000m <sup>2</sup> )	(km <sup>2</sup> )	Dated
724	*Kima Estate 2	Surface	Eastern	Hachakos		079884	Existing 1977							15		1977 Condition Unknown
725	*Mwa Hills Sett. 2	Surface	Eastern	Hachakos		019424	Existing 1977							15		1977 Condition Unknown
726	*Kima Estate 3	Surface	Eastern	Hachakos		077867	Existing 1977							5		1977 Condition Unknown
727	*GL 4737 1	Surface	Eastern	Hachakos		905378	Existing 1977							15		1977 Condition Unknown
728	*Kima Estate 4	Surface	Eastern	Hachakos		084867	Existing 1977							5		1977 Condition Unknown
729	*Lukenya Sett. 1	Surface	Eastern	Hachakos		904386	Existing 1977							5		1977 Condition Unknown
730	*Kima Estate 5	Surface	Eastern	Hachakos		097853	Existing 1977							25		1977 Condition Unknown
731	*Mathatani Farm 4	Surface	Eastern	Hachakos		002343	Existing 1977							5		1977 Condition Unknown
732	*LR 1756	Surface	Eastern	Hachakos		114824	Existing 1977							10		1977 Condition Unknown
733	*Kathama 1	Surface	Eastern	Hachakos		062545	Existing 1977							10		1977 Condition Unknown
734	*LR 1757 1	Surface	Eastern	Hachakos		147816	Existing 1977							10		1977 Condition Unknown
735	*Syantby	Surface	Eastern	Hachakos		102564	Existing 1977							10		1977 Condition Unknown
736	*LR 1757 2	Surface	Eastern	Hachakos		160811	Existing 1977							5		1977 Condition Unknown
737	*Kathini 2	Surface	Eastern	Hachakos		182494	Existing 1977							5		1977 Condition Unknown
738	*LR 1757 3	Surface	Eastern	Hachakos		129810	Existing 1977							5		1977 Condition Unknown
739	*Matolo 2	Surface	Eastern	Hachakos		262559	Existing 1977							5		1977 Condition Unknown
740	*LR 1757 4	Surface	Eastern	Hachakos		112792	Existing 1977							5		1977 Condition Unknown
741	*Unknown	Surface	Eastern	Hachakos		332533	Existing 1977							5		1977 Condition Unknown
742	*Kiongwani 1	Surface	Eastern	Hachakos		104898	Existing 1977							5		1977 Condition Unknown
743	*Kivani	Surface	Eastern	Hachakos		214500	Existing 1977							5		1977 Condition Unknown
744	*Ithumba 2	Surface	Eastern	Hachakos		460724	Existing 1977							5		1977 Condition Unknown
745	*Mnyo 1	Surface	Eastern	Hachakos		237484	Existing 1977							5		1977 Condition Unknown
746	*Tuunini	Surface	Eastern	Hachakos		117893	Existing 1977							5		1977 Condition Unknown
747	*Mnyo 5	Surface	Eastern	Hachakos		257464	Existing 1977							30		1977 Condition Unknown
748	*Mangala	Surface	Eastern	Hachakos		134881	Existing 1977							5		1977 Condition Unknown
749	*Mecaa 2	Surface	Eastern	Hachakos		262440	Existing 1977							5		1977 Condition Unknown
750	*Mathini	Surface	Eastern	Hachakos		167897	Existing 1977							10		1977 Condition Unknown
751	*Kilungani 2	Surface	Eastern	Hachakos		277414	Existing 1977							5		1977 Condition Unknown
752	*Muanini	Surface	Eastern	Hachakos		183840	Existing 1977							5		1977 Condition Unknown
753	*Mbaani 3	Surface	Eastern	Hachakos		292401	Existing 1977							15		1977 Condition Unknown
754	*Kiteta	Surface	Eastern	Hachakos		350330	Existing 1977							5		1977 Condition Unknown
755	*Isiuni	Surface	Eastern	Hachakos		234355	Existing 1977							5		1977 Condition Unknown
756	*Masili	Surface	Eastern	Hachakos		383338	Existing 1977							5		1977 Condition Unknown
757	*Masili 2	Surface	Eastern	Hachakos		267383	Existing 1977							10		1977 Condition Unknown
758	*Mikoleya	Surface	Eastern	Hachakos		395326	Existing 1977							10		1977 Condition Unknown
759	*Kwa Mando	Surface	Eastern	Hachakos		543865	Existing 1977							5		1977 Condition Unknown
760	*Kamutha 1	Surface	Eastern	Hachakos		502331	Existing 1977							5		1977 Condition Unknown
761	*Unknown	Surface	Eastern	Hachakos		396718	Existing 1977							5		1977 Condition Unknown
762	*Kamutha 2	Surface	Eastern	Hachakos		509310	Existing 1977							5		1977 Condition Unknown
763	*Mathingau	Surface	Eastern	Hachakos		440622	Existing 1977							15		1977 Condition Unknown
764	*Kaalasa	Surface	Eastern	Hachakos		510313	Existing 1977							5		1977 Condition Unknown
765	*Kinyata No. 1	Surface	Eastern	Hachakos		509515	Existing 1977							5		1977 Condition Unknown
766	*Kyamise	Surface	Eastern	Hachakos		375293	Existing 1977							5		1977 Condition Unknown
767	*Mthekethe	Surface	Eastern	Hachakos		341514	Existing 1977							5		1977 Condition Unknown
768	*Kanze	Surface	Eastern	Hachakos		365217	Existing 1977							50		1977 Condition Unknown
769	*Mangolota 1	Surface	Eastern	Hachakos		376428	Existing 1977							15		1977 Condition Unknown
770	*Mbumbuni No. 1	Surface	Eastern	Hachakos		404222	Existing 1977							5		1977 Condition Unknown
771	*Kyetihuo	Surface	Eastern	Hachakos		339367	Existing 1977							5		1977 Condition Unknown
772	*Mbumbuni No. 2	Surface	Eastern	Hachakos		398200	Existing 1977							5		1977 Condition Unknown

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (17/25)

NO.	Name of Dam	No. of Folio	Surface/ Sub-	Location	Main River	Basin Code	Grid Code	Stage of Project	Catch. Dam Area (km2)	Dam Type	Dam Height (m)	Dam Crest Length (m)	Slope	Embank- ment Volume	Reserv.- Storage Area (1000m3)	Reserv. Construction Cost (1000ksh)	Dated	Remarks
773	*Kenplains E.2		Surface	Eastern	Machakos		838306	Existing	1977						15		1977	Condition Unknown
774	*Maiya		Surface	Eastern	Machakos		445240	Existing	1977						20		1977	Condition Unknown
775	*LR 4379 2		Surface	Eastern	Machakos		915302	Existing	1977						5		1977	Condition Unknown
776	*Kwa Ntulu		Surface	Eastern	Machakos		425257	Existing	1977						5		1977	Condition Unknown
777	*LR 7374/3		Surface	Eastern	Machakos		954246	Existing	1977						5		1977	Condition Unknown
778	*Murula		Surface	Eastern	Machakos		503243	Existing	1977						5		1977	Condition Unknown
779	*Kitanga Sett.5		Surface	Eastern	Machakos		963308	Existing	1977						5		1977	Condition Unknown
780	*Kanza		Surface	Eastern	Machakos		545263	Existing	1977						15		1977	Condition Unknown
781	*LR 4997/2 4		Surface	Eastern	Machakos		989321	Existing	1977						5		1977	Condition Unknown
782	*Mubu Koni		Surface	Eastern	Machakos		527294	Existing	1977						5		1977	Condition Unknown
783	*Kiliwa Farm 1		Surface	Eastern	Machakos		977290	Existing	1977						5		1977	Condition Unknown
784	*Kavumbu		Surface	Eastern	Machakos		588257	Existing	1977						5		1977	Condition Unknown
785	*Kina Kime 5		Surface	Eastern	Machakos		030253	Existing	1977						5		1977	Condition Unknown
786	*Hawani		Surface	Eastern	Machakos		592254	Existing	1977						5		1977	Condition Unknown
787	*LR 10064 1		Surface	Eastern	Machakos		957104	Existing	1977						10		1977	Condition Unknown
788	*Kalawa		Surface	Eastern	Machakos		557210	Existing	1977						15		1977	Condition Unknown
789	*Beacon R. F.		Surface	Eastern	Machakos		721445	Existing	1977						20		1977	Condition Unknown
790	*Itumbwa 1		Surface	Eastern	Machakos		442715	Existing	1977						5		1977	Condition Unknown
791	*Kianzabe E.3		Surface	Eastern	Machakos	Kyanutwa	132706	Existing	1977						25		1977	Condition Unknown
792	*Hangani		Surface	Eastern	Machakos		376164	Existing	1977						15		1977	Condition Unknown
793	*Matungulu E.2		Surface	Eastern	Machakos		122679	Existing	1977						5		1977	Condition Unknown
794	*Kakili 6		Surface	Eastern	Machakos		458751	Existing	1977						5		1977	Condition Unknown
795	*LR 7283/1 4		Surface	Eastern	Machakos		824530	Existing	1977						15		1977	Condition Unknown
796	*Kyaji		Surface	Eastern	Machakos		404185	Existing	1977						5		1977	Condition Unknown
797	*LR 0529/R 2		Surface	Eastern	Machakos		900490	Existing	1977						15		1977	Condition Unknown
798	*Kakili 5		Surface	Eastern	Machakos		456748	Existing	1977						5		1977	Condition Unknown
799	*Unknown		Surface	Eastern	Machakos		922413	Existing	1977						20		1977	Condition Unknown
800	*Makila		Surface	Eastern	Machakos		567174	Existing	1977						5		1977	Condition Unknown
801	*GL 8857 1		Surface	Eastern	Machakos		862383	Existing	1977						5		1977	Condition Unknown
802	*Ivitu		Surface	Eastern	Machakos		567167	Existing	1977						15		1977	Condition Unknown
803	*Katheka Sett.3		Surface	Eastern	Machakos		008353	Existing	1977						10		1977	Condition Unknown
804	*Itungoni		Surface	Eastern	Machakos		578137	Existing	1977						40		1977	Condition Unknown
805	*Tala		Surface	Eastern	Machakos		128596	Existing	1977						40		1977	Condition Unknown
806	*Kaumoni 1		Surface	Eastern	Machakos		421085	Existing	1977						15		1977	Condition Unknown
807	*Morukuyu		Surface	Eastern	Machakos		263616	Existing	1977						5		1977	Condition Unknown
808	*Okia		Surface	Eastern	Machakos		334055	Existing	1977						10		1977	Condition Unknown
809	*Hiambuni		Surface	Eastern	Machakos		107487	Existing	1977						5		1977	Condition Unknown
810	*Kilala		Surface	Eastern	Machakos		364057	Existing	1977						5		1977	Condition Unknown
811	*Mwala		Surface	Eastern	Machakos		274485	Existing	1977						25		1977	Condition Unknown
812	*Nziu		Surface	Eastern	Machakos		373005	Existing	1977						5		1977	Condition Unknown
813	*Kinyasthuan 1		Surface	Eastern	Machakos		257413	Existing	1977						5		1977	Condition Unknown
814	*Kaumoni 2		Surface	Eastern	Machakos		442056	Existing	1977						5		1977	Condition Unknown
815	*Kakili 3		Surface	Eastern	Machakos		445746	Existing	1977						5		1977	Condition Unknown
816	*Hilibani		Surface	Eastern	Machakos		423024	Existing	1977						10		1977	Condition Unknown
817	*Utithini No. 2		Surface	Eastern	Machakos		271350	Existing	1977						5		1977	Condition Unknown
818	*Makayoya 1		Surface	Eastern	Machakos		453017	Existing	1977						5		1977	Condition Unknown
819	*Kwauau 1		Surface	Eastern	Machakos		404699	Existing	1977						5		1977	Condition Unknown
820	*Mate 1		Surface	Eastern	Machakos		465034	Existing	1977						5		1977	Condition Unknown
821	*Kikunyi		Surface	Eastern	Machakos		557476	Existing	1977						15		1977	Condition Unknown

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (18/25)

NO.	No. of Folio	Name of Dam	Surface/ Sub-	Location	Main River	Basin Code	Grid Code	Stage of Project	Catch. Dam Area Type	Dam Height (m)	Dam Length (m)	Slope	Embank- ment Volume	Reserv. Storage Area (1000m2)	Reserv. Construction Cost (1000ksh)	Dated	Remarks
822	*Wate 2		Surface	Eastern	Hachakos		481033	Existing	1977					5		1977	Condition Unknown
823	*Musini		Surface	Eastern	Hachakos		348402	Existing	1977					5		1977	Condition Unknown
824	*Makueni		Surface	Eastern	Hachakos		474018	Existing	1977					5		1977	Condition Unknown
825	*LR 7374/4		Surface	Eastern	Hachakos		853213	Existing	1977					15		1977	Condition Unknown
826	*Kaminyoo 1		Surface	Eastern	Hachakos		490019	Existing	1977					15		1977	Condition Unknown
827	*Kitanga Sett.1		Surface	Eastern	Hachakos		960336	Existing	1977					5		1977	Condition Unknown
828	*Kaminyoo 2		Surface	Eastern	Hachakos		469021	Existing	1977					10		1977	Condition Unknown
829	*Ratelempu Farm		Surface	Eastern	Hachakos		002327	Existing	1977					15		1977	Condition Unknown
830	*Kaminyoo 3		Surface	Eastern	Hachakos		474002	Existing	1977					15		1977	Condition Unknown
831	*LR 7374/4 West 3		Surface	Eastern	Hachakos		876180	Existing	1977					10		1977	Condition Unknown
832	*Ngumi		Surface	Eastern	Hachakos		538006	Existing	1977					15		1977	Condition Unknown
833	*Ngoliba Estate 1		Surface	Eastern	Hachakos		239791	Existing	1977					10		1977	Condition Unknown
834	*Wakayoa 2		Surface	Eastern	Hachakos		447998	Existing	1977					5		1977	Condition Unknown
835	*Ratan'i Sisaal E.1		Surface	Eastern	Hachakos		777537	Existing	1977					50		1977	Condition Unknown
836	*Wakayoa 3		Surface	Eastern	Hachakos		445995	Existing	1977					5		1977	Condition Unknown
837	*Unknown		Surface	Eastern	Hachakos		906447	Existing	1977					10		1977	Condition Unknown
838	*K11111		Surface	Eastern	Hachakos		456925	Existing	1977					5		1977	Condition Unknown
839	*Mathatani E.2		Surface	Eastern	Hachakos		914366	Existing	1977					15		1977	Condition Unknown
840	*Kampi ya Mawe 1		Surface	Eastern	Hachakos		504967	Existing	1977					15		1977	Condition Unknown
841	*Uthini		Surface	Eastern	Hachakos		116526	Existing	1977					5		1977	Condition Unknown
842	*Kampi ya Mawe 2		Surface	Eastern	Hachakos		504985	Existing	1977					5		1977	Condition Unknown
843	*Duni		Surface	Eastern	Hachakos		212413	Existing	1977					5		1977	Condition Unknown
844	*Kikumini		Surface	Eastern	Hachakos		540991	Existing	1977					5		1977	Condition Unknown
845	*Unknown		Surface	Eastern	Hachakos		266411	Existing	1977					5		1977	Condition Unknown
846	*Ngosini West		Surface	Eastern	Hachakos		553981	Existing	1977					10		1977	Condition Unknown
847	*Kilango		Surface	Eastern	Hachakos		405751	Existing	1977					5		1977	Condition Unknown
848	*Ngosini 1		Surface	Eastern	Hachakos		596990	Existing	1977					15		1977	Condition Unknown
849	*Kwa Muathe 2		Surface	Eastern	Hachakos		364448	Existing	1977					5		1977	Condition Unknown
850	*Mavindi		Surface	Eastern	Hachakos		605995	Existing	1977					20		1977	Condition Unknown
851	*Potha Estate 2		Surface	Eastern	Hachakos		962293	Existing	1977					5		1977	Condition Unknown
852	*Ngosini 2		Surface	Eastern	Hachakos		557948	Existing	1977					10		1977	Condition Unknown
853	*Kima Kime 1		Surface	Eastern	Hachakos		006280	Existing	1977					5		1977	Condition Unknown
854	*Tittu		Surface	Eastern	Hachakos		350817	Existing	1977					10		1977	Condition Unknown
855	*Tuoloni Estate 1		Surface	Eastern	Hachakos		077677	Existing	1977					5		1977	Condition Unknown
856	*Hithumoni		Surface	Eastern	Hachakos		383791	Existing	1977					5		1977	Condition Unknown
857	*Kamuthanya Mis.6		Surface	Eastern	Hachakos		000465	Existing	1977					5		1977	Condition Unknown
858	*Kakili 4		Surface	Eastern	Hachakos		446743	Existing	1977					5		1977	Condition Unknown
859	*Kwa guzo		Surface	Eastern	Hachakos		264516	Existing	1977					5		1977	Condition Unknown
860	*Kyunyu		Surface	Eastern	Hachakos		567895	Existing	1977					10		1977	Condition Unknown
861	*Emwea		Surface	Eastern	Hachakos		265397	Existing	1977					5		1977	Condition Unknown
862	*LR 1757		Surface	Eastern	Hachakos		112788	Existing	1977					15		1977	Condition Unknown
863	*Masaa		Surface	Eastern	Hachakos		627500	Existing	1977					5		1977	Condition Unknown
864	*LR 9730		Surface	Eastern	Hachakos		207775	Existing	1977					5		1977	Condition Unknown
865	*Kwakameio		surface	Eastern	Hachakos			construct	1976							1976	Rehabilitation
866	*Mulaia		Surface	Eastern	Hachakos		313769	Existing	1977					5		1977	Condition Unknown
867	*Kiandani 1		Surface	Eastern	Hachakos		035354	Existing	1977					10		1977	Condition Unknown
868	*Iigoni		Surface	Eastern	Hachakos		347759	Existing	1977					5		1977	Condition Unknown
869	*Kithiko		Surface	Eastern	Hachakos		668842	Existing	1977					5		1977	Condition Unknown
870	*Kakili 1		Surface	Eastern	Hachakos		433749	Existing	1977					5		1977	Condition Unknown

## Appendix H.2

WD/2/8/84Average

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (20/25)

No. of Folio	Surface/ Sub-	Location	Main River	Basin Code	Grid Code	Stage of Project	Catchment Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Dam Crest Length (m)	Slope	Embankment Volume (m <sup>3</sup> )	Reserv. Storage Area (1000m <sup>2</sup> )	Construction Cost (1000ksh)	Remarks
No. Name of Dam	surface	Province District Division Basin			X Y	(as of year)					Up- stream	Down- stream			Dated
WD/2/8/74															
911 Otchoro	Surface	R/Valley Narok	Mau	Lekilel		F/Study	1983								1983 New Dam
912 Entotol	Surface	R/Valley Narok	Mau	Entotol		F/Study	1983								1983 New Dam
913 Otrop11	Surface	R/Valley Narok	Mau	Olorop11		F/Study	1983								1983 New Dam
914 Enosupukia	Surface	R/Valley Narok	Mau	Sarbarbur		F/Study	1983								1983 New Dam
915 Enesampulai	Surface	R/Valley Narok	Mau	Nasampolai		F/Study	1983								1983 New Dam
916 Sekutiek	Surface	R/Valley Narok	Mau	Nasampolai		F/Study	1983								1983 New Dam
917 Suswa	Surface	R/Valley Narok	Mau	Lelong		F/Study	1983								1983 New Dam
918 Empash	Surface	R/Valley Narok	Mau	Lelong		F/Study	1983								1983 New Dam
WD/2/8/73															
919 Tigoni	Surface	Central Kiambu		Ithanj		Existing									
920 Ngutiko	Surface	Central Kiambu													
921 Irigitthathi	Surface	Central Kiambu													
922 Mangu	Surface	Central Muranga													
923 Mianyani	Surface	Central Muranga													
924 Belingwe	Surface	Central Muranga													
WD/2/8/80															
WD/2/8/76															
WD/2/8/58															
925 Kisames	Surface	R/Valley Kajjado Ngong		Kisames		Complete	1986	6 Earth	7.0	4.0	63 1:3	1:2	8,314	27 0.01	2,059 1986 New Dam
WD/2/8/60															
926 Ortwo	Surface	Nyanza	S. Nyanza			Existing	1982	Earth	1.5				30		1982 To be Desilted
927 Achune	Surface	Nyanza	S. Nyanza												
928 Kogeta	Surface	Nyanza	S. Nyanza												
929 Rabware	Surface	Nyanza	S. Nyanza			Proposal	1982								1982 New Dam
930 Okita	Surface	Nyanza	S. Nyanza			Proposal	1982	Concrete	10.0				40		1982 New Dam
931 Riwa	Surface	Nyanza	S. Nyanza												
932 Kaluoch	Surface	Nyanza	S. Nyanza			Proposal	1982		6-7				25		1982 New Dam
933 Oduana	Surface	Nyanza	S. Nyanza			Proposal	1982	Concrete	5.0				45		1982 New Dam
934 Adita Opong	Surface	Nyanza	S. Nyanza			Proposal	1982		10.0				70		1982 New Dam
935 Kasao	Surface	Nyanza	S. Nyanza			Proposal	1982		10.0				30		1982 New Dam
936 Bware	Surface	Nyanza	S. Nyanza			Proposal	1982						15		1982 New Dam
937 Apuko SDA 1	Surface	Nyanza	S. Nyanza			Proposal	1982						30		1982 New Dam
938 Apuko SDA 2	Surface	Nyanza	S. Nyanza			Proposal	1982						30		1982 New Dam
939 Tinga	Surface	Nyanza	S. Nyanza			Existing	1982						60	0.01	1982 To be Desilted
940 Japata	Surface	Nyanza	S. Nyanza			Proposal	1977	Concrete	1.5				25		1977 New Dam
941 Got Nyapong	Surface	Western				F/Study	1977								1977 New Dam
942 Tea Camp No. 5	Surface	R/Valley Kericho			292355	Proposal	1977	1	7.9						1977 New Dam
943 Estate No. 2	Surface	R/Valley Kericho			279350	Proposal	1977	2	2.0				600		1977 New Dam
average															
WD/2/8/59															
944 Mau Narok	Surface	R/Valley Nakuru				Design	1985 7	Earth	4.0		1:3	1:2	22,275	41 0.30	1,680 1985 New Dam



## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (21/25)

No. of Folio	Sub- surface	Location	Main River	Basin Code	Grid Code	Stage of Project	Catchment Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Dam Crest Length (m)	Slope Down- stream	Embankment Storage Area Volume (m <sup>3</sup> )	Reserv. Construction Cost (1000ksh)	Dated	Remarks
NO. Name of Dam		Province District Division	Basin		X Y	(as of year)	(km <sup>2</sup> )	(m)	(m)	(m)	(m)	(m <sup>3</sup> )	(1000ksh)	(m <sup>3</sup> )	
WD/2/8/54															
945 Chebunyo	Surface	R/Valley Kericho	Chepalungu	S 0-57-53,E 35-11-23	Completed	1985						84	3,225	1985	New Dam
946 Chesinde	Surface	R/Valley Kericho	Chepalungu		Existing	1987			8.5			9		1987	1987 Rehabilitation
947 Kelichek	Surface	R/Valley Kericho	Chepalungu	S 0-57-10,E 35-09-10	Construct	1987						10		1987	1987 Re-construction, Desilting
948 Chemalal	Surface	R/Valley Kericho	Chepalungu	S 0-50-1,-E 35-23-40	Existing	1987								1987	1987 Desilting, Removal of reeds
949 Kerimet	Surface	R/Valley Kericho	Chepalungu		Existing	1987						4		1987	1987 (Seasonal Dam) Desilting
950 Biribei	Surface	R/Valley Kericho	Chepalungu	S 0-47-36,E 35-14-20	Existing	1987						40		1987	1987 To be Desilted
951 Kaptarakwo	Surface	R/Valley Kericho	Chepalungu		Existing	1987						7		1987	1987 Rehabilitation
952 Kanusim	Surface	R/Valley Kericho	Chepalungu		Existing	1987						5		1987	1987 Re-construction, Desilting
953 Chemsingut	Surface	R/Valley Kericho	Chepalungu	S 0-56-48,E 35-10-20	Existing	1987						6		1987	1987 To be Desilted
954 kapscheruse	Surface	R/Valley Kericho	Chepalungu	S 0-57-53,E 35-12-27	Existing	1987						5		1987	1987 To be Desilted
955 Siongiroi	Surface	R/Valley Kericho	Chepalungu	S 0-54-11,E 35-12-23	Existing	1987						5		1987	1987 To be Desilted
956 Siongohek	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 To be Desilted
957 Ndanai	Surface	R/Valley Kericho	Chepalungu	S 0-50-13,E 35-05-23	Existing	1987								1987	1987 Enlargement, Removal of reeds
958 Getegele	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Enlargement, Removal of reeds
959 Gorgor	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 To be Desilted
960 Cheptenei	Surface	R/Valley Kericho	Chepalungu	S 0-47-49,E 35-07-30	Existing	1987								1987	1987 Desilting, Removal of reeds
961 Koiimet	Surface	R/Valley Kericho	Chepalungu	S 0-50-10,E 35-07-27	Existing	1987								1987	1987 Removal of reeds
962 Chesambai	Surface	R/Valley Kericho	Chepalungu	S 0-53-19,E 35-06-05	Existing	1987								1987	1987 Desilting, Removal of reeds
963 Chebugo	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Re-construction, Desilting
964 Kapewor	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
965 Kapken	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
966 Itembe	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
967 Kapsogut	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
968 Watkeri	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
969 Ngocno	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
970 Saramek	Surface	R/Valley Kericho	Chepalungu	S 0-49-08,E 35-15-05	Existing	1987								1987	1987 Rehabilitation
971 Kanusin	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
972 Kaptarakwo	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
973 Kipkelat	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
974 Cheboin	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
975 Siwot	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
976 Olongisa	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
977 Mutarakwa	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
978 Kataret	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
979 Jujuiriet (Salanga)	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
980 Kiptule (Jehilat)	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
981 Barotion	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
982 Tuqunon (Kapsagar)	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
983 Mugut (Chesinende)	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
984 Saoset (Chepsir)	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
985 Sugutek	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
986 Chepketgei	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
987 Chepingatat	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
988 Mosonik	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
989 Otitarakwa	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
990 Chebugon	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation
991 Sogororbei	Surface	R/Valley Kericho	Chepalungu		Existing	1987								1987	1987 Rehabilitation

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (22/25)

No. of Folio	Surface/ Sub-	Location	Main River	Basin Code	Grid Code	Stage of Project	Catchment Area (km <sup>2</sup> )	Dam Height (m)	Dam Length (m)	Slope Down- stream	Embank- ment Volume (m <sup>3</sup> )	Reserv. Storage Area (1000km <sup>2</sup> )	Construction Cost (1000ksh)	Dated	Remarks
No. Name of Dam	surface	Province District Division Basin	River		X	Y	(as of year)	(m)	(m)	(m)	(m <sup>3</sup> )	(1000km <sup>2</sup> )	(1000ksh)	Dated	
992 Sigor	Surface	R/Valley Kericho		S 0-55-03,E	35-1	Existing	1985							1985	
993 Kivno	Surface	R/Valley Kericho		S 0-05-42,E	35-3	Existing	1985							1985	
994 Hawi/Kamung'i	Surface	R/Valley Kericho		S 0-05-10,E	35-3	Existing	1985							1985	
995 Gatui	Surface	R/Valley Kericho		S 0-05-32,E	35-3	Existing	1985							1985	
average															19
WD/2/8/63															
996 Hatwara	Surface	Central Kiambu													
997 Ranga Kihoto	Surface	Central Kiambu													
998 Ngenya	Surface	Central Kiambu													
999 Kenya Cannors	Surface	Central Kiambu													
1000 Tatu	Surface	Central Kiambu													
1001 Muthaita	Surface	Central Kiambu													
1002 Matundu	Surface	Central Kiambu													
1003 Upper Kitito	Surface	Central Kiambu													
1004 Upper Mugutwani	Surface	Central Kiambu													
1005 Dimboili	Surface	Central Kiambu													
1006 Koorali Estate	Surface	Central Kiambu													
1007 Tuoloni	Surface	Central Kiambu													
1008 Ndera No.2 2	Surface	Central Kiambu													
1009 Ndera No.2 1	Surface	Central Kiambu													
1010 Maboko	Surface	Central Kiambu													
1011 Chemamui	Surface	Central Kiambu													
1012 Barua Estate	Surface	Central Kiambu													
average															
WD/2/8/82															
1013 Egerton Univ. 1	Surface	R/Valley Nakuru	Njoro												
1014 Egerton Univ. 2	Surface	R/Valley Nakuru	Njoro												
1015 Egerton Univ. 3	Surface	R/Valley Nakuru	Njoro												
average															
WD/2/8/81															
1016 Moi U.Option 1	Surface	R/Valley U.Gishu	Njoro												
1017 Moi U.Option 2	Surface	R/Valley U.Gishu	Njoro												
average															
WD/2/8/86															
1018 Bartabwa	Surface	R/Valley Baringo	Kabartonjo												
WD/2/8/83															
1019 Ikaasu	Surface	Eastern Machakos	Makueni												
1020 Kathamboni	Surface	Eastern Machakos	Makueni												
1021 Syathi	Surface	Eastern Machakos	Makueni												
1022 Kitumbi	Surface	Eastern Machakos	Makueni												
1023 Kavilela A	Surface	Eastern Machakos													

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (23/25)

No.	Name of Dam	Surface/ Sub-surface	Province	District	Division	Main River	Basin Code	Grid Code	Stage of Project	Catchment Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Crest Length (m)	Up- stream Volume (m <sup>3</sup> )	Slope	Embankment Storage Area (km <sup>2</sup> )	Construction Cost (1000Ksh)	Remarks
							X	Y	(as of year)			(m)	(m)					
							29940	98397	Existing	1990	14	12.0				14	1,250	1990 Rehabilitation
1024	Kavilela B	Surface	Eastern	Machakos					Existing	1985								1985 Rehabilitation
1025	Kithongoni	Surface	Eastern	Machakos					Existing	1985								1985 Rehabilitation
1026	Kithongoni	Surface	Eastern	Machakos					Existing	1985								1985 Rehabilitation
1027	Kwakithu	Surface	Eastern	Machakos					Existing	1985								1985 Rehabilitation
1028	Kwakithu	Surface	Eastern	Machakos					Existing	1985								1985 Rehabilitation
1029	Kwambai	Surface	Eastern	Machakos	Mwala				Existing	1985								1985 Rehabilitation
1030	Kwakamele	Surface	Eastern	Machakos					Existing	1985								1985 Rehabilitation
WD/2/8/1																		
1031	Kishenyi	Surface	Coast	T. Taveta					Tender	1983								1983 Rehabilitation
1032	Mondambogo	Surface	Coast	T. Taveta														
1033	Kiserenyi	Surface	Coast	T. Taveta														
1034	Kiserenyi	Surface	Coast	T. Taveta														
1035	Paranga	Surface	Coast	T. Taveta														
1036	Mwashamba	Surface	Coast	T. Taveta														
1037	Ikanga	Surface	Coast	T. Taveta														
1038	Ganze	Surface	Coast	T. Taveta	Vo	Njora			Existing	50						20		Rehabilitation
WD/2/8/10																		
1039	Kamiti	Surface	Central	Kiambu		Kamiti			Existing									To be Desilted
1040	Gakomo	Surface	Central	Kiambu		Marangata			Existing			9.0						Rehabilitation
1041	Ngenya	Surface	Central	Muranga		Ngenya	956895		Construct	1986		Earth	12.0			15		1986 New Dam
1042	Kegwa	Surface	Central	Kiambu					Design			Earth	1.5		1:2	1:2		Rehabilitation
1043	Makindi No. 7	Surface	Central	Kiambu		Makindi												New Dam
1044	Gitura	Surface	Central	Kiambu	Langata													
1045	Mutundu	Surface	Central	Kiambu														
1046	Tatu	Surface	Central	Kiambu														
1047	Mr. Maina's farm	Surface	Central	Kiambu														
1048	Ngeta	Surface	Central	Kiambu														
1049	Kanyidiri	Surface	Central	Kiambu														
1050	Kadinda	Surface	Central	Kiambu														
1051	Kabuya	Surface	Central	Kiambu														
1052	Got Okii	Surface	Central	Kiambu														
1053	Endoroto	Surface	Central	Kiambu														
1054	Bargoni	Surface	Central	Kiambu														
1055	Mkumbi	Surface	Central	Kiambu														
1056	Ikasuu	Surface	Central	Kiambu														
1057	Maivasha Prison 1	Surface	Central	Kiambu														
1058	Maivasha Prison 2	Surface	Central	Kiambu														
1059	Engakha Farm	Surface	Central	Kiambu														
WD/2/8/75																		
1060	Kishushe	Surface	Coast	T. Taveta					Construct	1986								1,996 1986 Rehabilitation
1061	Bandari	Surface	Coast	Kilifi					Proposed	1984								1984 New Dam
1062	Machakos	Surface	Eastern	Machakos					Proposed	1984								1984 New Dam
1063	Mamoni	Surface	Eastern	Machakos					Construct	1986								8,700 1984 Rehabilitation

## Appendix H.2

## Principal Features of Small Dam/Water Pan Schemes (24/25)

No.	Name of Dam	Surface/ Sub-surface	Location	Main River	Basin Code	Grid Code	Stage of Project	Catchment Area (km <sup>2</sup> )	Dam Type	Dam Height (m)	Dam Crest Length (m)	Slope Up- stream	Slope Down- stream	Embankment Volume (m <sup>3</sup> )	Reserv. Storage Area (1000m <sup>2</sup> )	Reserv. Storage Volume (1000m <sup>3</sup> )	Construction Cost (1000ksh)	Remarks
1064	Nzeluni	Surface	Eastern Kintu				Completed 1984								43	1,900	1984 New Dam	
1065	Kyoani	Surface	Eastern Kintu				Completed 1984								201	3,500	1984 New Dam	
1066	Muthetheni	Surface	Eastern Machakos				Construct 1985		Earth							4,298	1985 Rehabilitation	
1067	Monjo	Surface	R/Valley Samburu				Completed 1984								5		1984 Desilting Completed	
1068	Bawa	Surface	R/Valley Samburu				Completed 1984								25		1984 Desilting Completed	
1069	Loloi 1	Surface	R/Valley Baringo				Completed 1984								60		1984 New Dam	
1070	Bartaquest	Surface	R/Valley Samburu				Completed 1984								5		1984 Desilting Completed	
1071	Lestiteti	Surface	R/Valley Samburu				Completed 1984								48		1984 New Dam	
1072	Sharde	Surface	R/Valley Samburu				Completed 1984										1984	
1073	Baswa dam	Surface	R/Valley Laikipia				Completed 1984								12		1984 New Dam	
1074	Kostle	Surface	R/Valley Baringo				Design 1984										1984 New Dam	
1075	Nafvasha	Surface	R/Valley Nakuru				Completed 1984								60	200	1984 New Dam	
1076	Mura mur	Surface	R/Valley Samburu				To Start 1984										1984	
1077	Cepkoi	Surface	R/Valley Baringo				Completed 1984								5		1984 Desilting Completed	
1078	Nalunga	Surface	R/Valley Samburu				Proposal 1984										1984 New Dam	
1079	Kiserian	Surface	R/Valley Kajiado				Completed 1984										1984	
1080	Noara Tuku	Surface	R/Valley Baringo				Completed 1985										1985	
1081	Loloi Chepkomet	Surface	R/Valley Baringo				Completed 1985										1985	
1082	Tirwangoning	Surface	R/Valley Baringo				Completed 1984										1984	
1083	Loloi 11	Surface	R/Valley Baringo				Completed 1985										1985	
1084	Dol-dol	Surface	R/Valley Laikipia				Construct 1985										1985	
1085	Togemb	Surface	R/Valley Kericho				Completed 1984										1984	
1086	Kamungei	Surface	R/Valley Baringo				Construct 1985										1985	
1087	Kijabe	Surface	R/Valley Laikipia				Construct 1985										1985	
1088	Namanyara	Surface	R/Valley Samburu				Completed 1984								4		1984 Desilting Completed	
1089	Agusita	Surface	R/Valley Samburu				Completed 1984								16		1984 New Dam	
1090	Bargoi	Sub-Surface	R/Valley Samburu				Construct 1985								40		1985	
average																		
1091	Adiah	Surface	R/Valley Baringo				Existing								14			
1092	Chebozo	Surface	R/Valley Baringo				Existing								10			
1093	Chemening Munien	Surface	R/Valley Baringo				Existing								8			
1094	Chesha	Surface	R/Valley Baringo				Existing			3.0								Rehabilitation of Hand-made Dam
1095	Kabarnet	Surface	R/Valley Baringo				Proposal 1989											
1096	Kabarconjo 3	Surface	R/Valley Baringo				Construct 1989		Concre	3.3								1989 New dam
1097	Kapchaluguny	Surface	R/Valley Baringo				Existing								4			1989 New Dam
1098	Kapokei	Surface	R/Valley Baringo				Existing								8			Rehabilitation of Hand-made Dam
1099	Katowit	Surface	R/Valley Baringo				Existing											
1100	Lohwat	Surface	R/Valley Baringo				Existing											
1101	Lokot	Surface	R/Valley Baringo				Existing											
1102	Namudet	Surface	R/Valley Baringo				Existing											
1103	Ngailekan	Surface	R/Valley Baringo				Existing											
1104	Osus Chamusek	Surface	R/Valley Baringo				Existing								20			Rehabilitation of Hand-made Dam
1105	Seretion	Surface	R/Valley Baringo				Existing											
1106	Tanguibel	Surface	R/Valley Baringo				Existing											
1107	Togoni	Surface	R/Valley Baringo				Existing								8			
1108	Upper Chemeron	Surface	R/Valley Baringo				Construct 1986			10.0								
1109	Barsemo	Sub-Surface	R/Valley Baringo				Existing			63 Zoned								
Perkerra Chemeron 2F																		
5-6 1986 New Dam																		
730 Rehabilitation																		

## Remarks

NO/2/8/15	Existing	1987
11126 Bare Ngiro	Surface R/Valley Samburu	Baragoi
11127 Bartakwet	Surface R/Valley Samburu	Baragoi
11128 Bartakwet	Surface R/Valley Samburu	Baragoi
11129 Dalambo	Surface R/Valley Samburu	Wamba
11130 Gilai	Surface R/Valley Samburu	Baragoi
11131 Lamerok	Surface R/Valley Samburu	Baragoi
11132 Larrikkorok	Surface R/Valley Samburu	Baragoi
11133 Lchoro	Surface R/Valley Samburu	Baragoi
11134 Lerengiro	Surface R/Valley Samburu	Baragoi
11135 Loitongo	Surface R/Valley Samburu	Baragoi
11136 Longewan	Surface R/Valley Samburu	Baragoi
11137 Longorate	Surface R/Valley Samburu	Baragoi
11138 Losuk	Surface R/Valley Samburu	Baragoi
11139 Lporos	Surface R/Valley Samburu	Baragoi
11140 Morijo	Surface R/Valley Samburu	Baragoi
11141 Natsunyai	Surface R/Valley Samburu	Wamba
11142 Namanyarobo	Surface R/Valley Samburu	Wamba
11143 Ngomeni	Surface R/Valley Samburu	Baragoi
11144 Ngorka B	Surface R/Valley Samburu	Baragoi
11145 Ntashata	Surface R/Valley Samburu	Baragoi
11146 Nundito(Maralal)	Surface R/Valley Samburu	Baragoi
11147 Poru	Surface R/Valley Samburu	Baragoi
11148 S'itanga Hanyeki	Surface R/Valley Samburu	Wamba
11149 S'itanga	Surface R/Valley Samburu	Wamba
11150 Suradoru	Surface R/Valley Samburu	Baragoi
11151 Barsalanga	Sub-Surface/Valley Samburu	Baragoi
11152 Iilaut	Sub-Surface/Valley Samburu	Baragoi
average		

Source : MOVID, HWCPC



## **APPENDIX H.3**

### **Existing and Proposed Small Dams in Kitui District**





Existing and Proposed Small Dams in Kitui District (1/2)

No.	Name of Reservoir	River/ Location	Surface/ Sub-surface	Catchment Area (km <sup>2</sup> )	Dam Height (m)	Dam Type	Reservoir Area (m <sup>2</sup> )	G.Storage Capacity (M3)	Purpose of W/S	Completion Year	Funding Agents	Estimated Cost (Kshs.) As of Compl. year	As of /1 1991
Surface Dam													
1	unknown	Changwithya	Surface	0.5	1.0	Earth	30	100	D,R		Not Known		
2	Waita	Endui	Surface	0.2	3.0	concrete	1,000	3,000	D,R	1980	RDF,MOWD	70,000	175,580
3	Mwaanwiya	Changwithya	Surface	0.5	1.0	Earth	30	100	D,R		RDF		
4	Maluma	Mutomo	Surface	0.1	2.5	concrete	500	800	D,R	1980	RDF	80,000	200,662
5	Kawaluni	Matinyani	Surface	0.5	1.0	Earth	30	100	D,R				
6	Ngunguni	Yatta	Surface	2.0	6.0	Concrete	1,000	11,000	D,R	50%complet	ASAL/MOWD	514,000	
7	unknown	Mutonguni	Surface	0.5	1.0	Earth	100	300	D,R	1979	ASAL/MOWD	131,400	430,058
8	Mwana/Umwu	Mutomo	Surface	1.0	2.0	concrete	500	1,000	D,R	1977	RDF	60,000	264,959
9	Muthale	Mutonguni	Surface	5.0	2.0	Earth	20,000	800,000	D,I	1980	RDF	141,600	355,173
10	Kaliku	Huu	Surface	1.0	4.0	concrete	4,000	100,000	D,R	1975	RDF	200,000	1,357,215
11	Kithioko	Mutonguni	Surface	5.0	2.0	Earth	300	500	D,R	1978	MOWD/RDF	76,580	287,900
12	Kanyangia	Kyuso	Surface			concrete			D,R	1977	RDF	50,000	220,799
13	Kila	Endui	Surface	0.5	1.0	Earth	40	200	D,R		RDF		
14	Ukasi	Ukasi	Surface	1.0	3.0	concrete	40	100	D,R	1978	RDF	35,000	131,581
15	Hdegea	Tharaka	Surface	1.0	1.0	Earth	50	200	D,R		Not Known		
16	Kathuthu	Ngomeni	Surface	1.0	1.5	Concrete			D,R	1977	RDF	43,700	192,978
17	Kanyole	Ngomeni	Surface	0.5	1.0	Earth	40	200	D,R		MOA		
18	Kwakalia	Yatta	Surface	1.0	2.0	Earth			D,R	1980	RDF	50,000	125,414
19	unknown	Ngomeni	Surface	0.5	1.0	Concrete	40	200	D,R		Not Known		
20	Kamwarini	Tharaka	Surface	1.0	1.5	Concrete			D,R	1981	RDF	86,000	186,557
21	Kwakimeu	Matinyani	Surface	0.5	1.0	Earth	40	150	D,R		MOA		
22	Kathamba	Ikanga	Surface	3.0	5.0	Earth	10,000	300,000	D,R	1983	MOWD	2,100,000	4,328,879
23	Ngamfene	Mutomo	Surface	0.2	2.5	concrete	500	1,000	D,R	1980	RDF	78,260	196,298
24	Higwani	Higwani	Surface	2.0	3.0	Earth	8,000	400,000	D,R	1983	MOWD	2,400,000	4,947,290
25	Itumu/Huthue	Mutomo	Surface	0.2	3.0	concrete	500	10,000	D,R	1980	RDF	80,000	200,662
26	Kwemunya	Mutomo	Surface	0.5	4.0	Concrete	3,000	6,000	D,R	1985	MOWD	500,000	824,263
27	Katothya	Mutomo	Surface	0.1	3.0	concrete	500	800	D,R	1975	RDF	53,000	359,662
28	Kithumula	Matinyani	Surface	2.0	4.0	Concrete	1,200	4,500	D,R	1985	MOWD,ASAL	1,254,000	2,067,251
29	Kwakovali	Matinyani	Surface	0.5	2.0	Earth	100	300	D,R	Not known			
30	Ndatani Phase	Ngomeni	Surface	0.5	4.0	Concrete	3,000	7,500	D,R	1985	MOWD,ASAL	1,134,000	1,869,428
31	Kyemuyo	Changwithya	Surface	0.5	1.0	Earth	30	100	D,R				
32	Tombi	Mwingi	Surface	0.5	4.0	Concrete	100	1,500	D,R	1986	MOWD,ASAL	193,000	297,886
33	Malutu	Changwithya	Surface	0.5	1.0	Earth	40	100	D,R		MOA		
34	Ndatani Phase	Ngomeni	Surface	0.1	2.0	Concrete	500	1,000	D,R	1986	MOWD,ASAL	68,000	104,955
35	Kwamutie	Changwithya	Surface	0.5	1.0	Earth	40	100	D,R		MOA		
36	Kilo	Mwingi	Surface	0.5	5.0	Concrete	3,500	10,000	D,R	1987	ASAL	1,010,000	1,392,239
37	Syetineilnza	Changwithya	Surface	0.8	1.0	Earth	40	100	D,R		Not known		
38	Kyatune	Ikanga	Surface			Earth	150	400	D,R		MOA		
39	Kwakiteku	Mulango	Surface	0.5	2.0	Earth	100	300	D,R	Not known			
40	Kwandulu	Matinyani	Surface	1.0	1.5	Earth	100	300	D,R	Not known			
41	Kwamunyika	Changwithya	Surface	0.5	1.0	Concrete	40	100	D,R		MOA		
42	Konzenyu	Matinyani	Surface			Earth	100	300	D,R	Not known			
43	Kiluluna	Matinyani	Surface	0.5	1.0	Earth	40	100	D,R		Not known	Not known	
44	unknown	Mutitu	Surface	3.0	2.0	Earth		350,000	D,R	1986	MOWD,ASAL	2,165,000	3,341,569
45	Kyuso III	Kyuso	Surface	0.5	3.0	Concrete	100	800	D,R		MOWD	513,000	
46	Ikima Phase I	Ngomeni	Surface	0.1	1.0	Concrete	1,000	450	D,R	1986	ASAL	134,000	206,822
47	Kangenyu	Tsekuru	Surface	0.5	1.0	Earth	40	100	D,R			Not known	
48	Kaliluni	Ngomeni	Surface	0.5	4.0	Concrete	300	7,000	D,R	70%complet	ASAL	414,000	
49	Ndumi	Yatta B2	Surface	1.0	1.5	Earth	100	400	D,R	1979	RDF		
50	Kavuti	Mulango	Surface	1.0	1.0	Earth	30	100	D,R				
51	Kaseve	Mutomo	Surface	0.5	3.0	Concrete	100	400	D,R		MOWD/MOA		
52	Champlu	Endau	Surface	0.3	2.0	Concrete	100	400	D,R	1979	MOA	80,000	261,832
53	Kamanyi	Yatta	Surface	1.0	1.0	Concrete	50	200	D,R	1978	MOA	Not known	
54	Kiasyoni	Katse	Surface	1.0	1.5	Concrete	40	100	D,R	1979	RDF	14,000	45,821
55	Katiya	Katse	Surface	1.0	1.0	Earth	50	200	D,R				
56	Kwangula	Mwingi	Surface	1.0	1.5	Earth			D,R	1980	RDF	50,000	125,414
57	Nzuki Imwe	Yatta	Surface	1.0	1.0	Concrete	100	100	D,R	1970		Not known	
58	Nzeluni	Mwingi	Surface	1.0	3.0	Earth	10,000	500,000	D,R	1983	MOWD	2,500,000	5,153,427
59	Kamulu	Kisasi	Surface	1.0	1.0	Earth	50	150	D,R				
60	Yambio	Mwingi	Surface	0.8	4.0	Concrete	5,000	8,000	D,R	1984	MOWD	300,000	548,628
61	Ngengi	Yatta B2	Surface	0.5	1.0	Earth	40	150	D,R				
62	Kinanie	Endau	Surface	1.0	3.0	Concrete	1,500	5,000	D,R	1985	MOWD,ASAL	415,000	684,138
63	unknown	Mutitu	Surface	0.5	1.0	Earth	50	200	D,R				
64	Twinyua	Mivukoni	Surface	1.0	3.0	Earth	4,000	3,000	D,R	1986	ASAL	105,000	162,062
65	Kwanzuki	Mutinyani	Surface	0.5	1.0	Earth	40	100	D,R				
66	Kakumuti	Maatinyani	Surface	1.0	2.0	Earth	100	300	D,R	Not known			

Existing and Proposed Small Dams in Kitui District (2/2)

Name of No. Reservoir	River/ Location	Surface/ Sub-surface	Catchment Area (km <sup>2</sup> )	Dam Height (m)	Dam Type	Reservoir Area (m <sup>2</sup> )	G.Storage Capacity (M3)	Purpose of W/S	Completion Year	Funding Agents	Estimated Cost (Kshs.) As of Compl. As of /1 year 1991	
67 Vutu	Matinyani	Surface	0.5	1.0	Earth	30	80	D,R				
68 Masungwa	Mivukoni	Surface	2.0	2.0	Earth	500	10,000	D,R	1986	MOWD,ASAL	150,000	231,518
69 Tvambui	Endau	Surface	2.0	1.5	Earth	100	300	D,R				
70 Kamululu	Kisasi	Surface	1.0	2.0	Concrete	100	500	D,R	Not known			
71 Ngai-Ndathye	Mul	Surface	1.0	1.0	Earth	40	150	D,R				
72 Katothya 11	Mutomo	Surface	0.1	5.0	concrete	1,500	7,500	D,R	1984	MOWD,RDF	200,000	365,752
73 Wenzela	Ikutha	Surface	0.5	1.0	Earth	40	150	D,R	1984	MOA		
74 Malikuni	Nuu	Surface	1.0	2.0	Earth			D,R	1980	RDF	120,000	300,994
75 Membo	Mutomo	Surface	0.5	1.5	Concrete	30	200	D,R				
76 Kyoani	Mutomo	Surface	2.0	3.0	Earth	6,500	350,000	D,R	1984	MOWD	2,500,000	4,571,899
77 Ndilili	Kanziko	Surface	0.5	2.0	Concrete	30	200	D,R	1984	MOA		
78 Syeluluku	Endui	Surface	0.8	5.0	Concrete	3,000	10,000	D,R	1986	MOWD,ASAL	830,000	1,281,064
79 Twonoa	Kanziko	Surface	0.5	1.0	Earth	30	200	D,R	1983	MOA		
80 Kameta	Changwithya	Surface	0.5	2.0	Earth	50	200	D,R	Not known			
81 Ndamusa	Endau	Surface	1.0	1.5	Earth	100	300	D,R				
82 Kyuso	Kyuso	Surface	0.8	6.0	Concrete	7,000	20,000	D,R	70%complete	ASAL	1,193,000	
83 Kwakivondo	Nzambani	Surface	0.1	1.0	Earth	50	100	D,R				
84 Uveta	Katse	Surface	0.1	3.0	Concrete	500	700	D,R	1981	MOWD,RDF	90,000	195,234
85 Maini-Kamau	Mulango	Surface	0.1	1.0	Earth	50	100	D,R				
86 Kyimuu Phase 1	Ukasi	Surface	0.5	3.0	Concrete	1,000	1,700	D,R	1986	ASAL	433,000	668,314
87 Syokimuu	Nzambani	Surface	2.0	2.0	Earth	150	10,000	D,R		ALDEV		
88 Manda	Mutomo	Surface	0.5	1.5	concrete		3,500	D,R	1977	RDF	44,500	196,511
89 Kanyiriri	Matinyani	Surface	1.0	2.0	Earth	100	300	D,R	Not known			
90 Kiini	Mwingi	Surface	0.5	4.0	Concrete	2,000	4,700	D,R	1985	MOWD,ASAL	325,000	535,771
91 Kwa-Ndulya	Nzambani	Surface	1.0	1.0	Earth	50	100	D,R				
Average		small dam/pan	0.9	2.1		1,281	32,895				960,840	
		small dam	1.2	3.5		4,629	98,230				1,389,336	
		pan	1.3	3.4		127	249				223,352	

Note : D = Domestic water supply, R = Ranching

## **APPENDIX H.4**

### **Existing Sub-surface Flow Dams in Kitui District**



# Existing Sub-surface Flow Dams in Kitui District

No.	Name of Reservoir	River/ Location	Surface/ Sub-surface	Catchment Area (km <sup>2</sup> )	Dam Height (m)	Dam Type	Reservoir Area (m <sup>2</sup> )	Storage Capacity (M3)	Purpose of W/S	Completion Year	Funding Agents	Estimated Cost (Kshs.)	
												As of year	As of /1 1991
Sub-Surface Dam													
1	Masasi 1	Yatta B2	Sub-surface	3.0	2.0	concrete	500	1,000	D,R	1975	RDF	80,000	542,886
2	Kwakitui	Matinyani	Sub-surface	25.0	1.5	Concrete	40	100	D,R				
3	Kinuthuko	Zomba	Sub-surface	0.3	1.5	Concrete	40	80	D,R	Not known		Not known	
4	Ndunoni	Zambani	Sub-surface	1.0	1.5	Concrete	200	400	D,R	1986	ASAL	24,000	37,043
5	unknown	Mui	Sub-surface	0.5	1.0	Concrete	50	200	D,R			Not known	
6	Masaai	Yatta B2	Sub-surface	1.0	4.0	Concrete	200	3,700	D,R	1986	ASAL	292,000	450,687
7	Katse	Katse	Sub-surface	1.0	1.5	Concrete	50	200	D,R				
8	Kathiluni	Migwani	Sub-surface	2.0	3.0	Concrete	100	950	D,R	1986	ASAL	37,000	57,108
9	Thavu Weir	Ikutha	Sub-surface	0.5	1.5	Concrete	50	200	D,R		ALDEV		
10	Kyanduu	Yatta B2	Sub-surface	2.0	2.0	Concrete	100	3,150	D,R	1986	ASAL	514,000	793,333
11	Kwakisilu	Mutha	Sub-surface	1.0	2.0	Earth	100	300	D,R	1979	MOA		
12	Kinyuri Matah	Mivukoni	Sub-surface	1.0	1.6	Concrete	100	200	D,R	Not known			
13	Kwanzamba	Changwithya	Sub-surface	1.0	1.5	Concrete	30	150	D,R		MOA		
14	Kangalu	Zambani	Sub-surface	1.0	2.0	Concrete	50	900	D,R	1986	ASAL	460,000	709,987
15	Musosya	Katse	Sub-surface	0.5	1.5	Concrete	40	100	D,R				
16	Kaningo	Tseikuru	Sub-surface	2.0	2.5	Concrete	100	2,500	D,R	1987	ASAL	92,000	126,818
17	Kangili-Mui	Mui	Sub-surface	0.5	1.5	Concrete	50	200	D,R	1975	ALDEV		
18	Kwa Kavou	Changwithya	Sub-surface	3.0	2.0	Concrete	100	3,600	D,R	1986	ASAL	562,000	867,419
19	Itikoo	Mui	Sub-surface	1.0	1.5	Concrete	40	100	D,R				
20	Manzui	Mivukoni	Sub-surface	0.5	1.0	Concrete	40	100	D,R				
21	Nguni-Enziu	Ngomeni	Sub-surface	0.5	1.5	Concrete	40	100	D,R				
22	Kanyonyo	Changwithya	Sub-surface	2.0	1.5	Concrete	100	200	D,R	1980	RDF/MOA	80,000	206,892
23	Kanyonyo	Changwithya	Sub-surface	2.0	2.0	Concrete	100	500	D,R	1977	RDF	30,000	132,479
Average				2.3	1.9		97	823					392,465

Note : D = Domestic water supply, R = Ranching



## **APPENDIX H.5**

### **Coordinates of Identified Damsites**

**(Lake Victoria Drainage Area)**

**(Rift Valley Drainage Area)**

**(Athi River Drainage Area)**

**(Tana River Drainage Area)**

**(Ewaso Ngiro North River Drainage Area)**





## Appendix H.5

## Coordinates of Identified Damsites (Lake Victoria Drainage Area)

## I. Lake Victoria Drainage Area

No.	Name of Dam	River Basin	River (damsite)	Basin Code (Dam-site)	Province	District	Nearest Town	Apoxi. Dist (Km)	U.T.M. Zone	Coordinates (Damsite)		Ref. Sheet No.	
										X	Y	Damsite Reservoir	
1 *	Kipnai	Nzoia	Molben	1BA	R.Valley	-	Kipwai	-	36	775,600	111,150	75/4	75/4
2 *	Chebara	Nzoia	Molben	1BA	R.Valley	Uasin Gishu	Chebiemit	3	36	777,600	97,700	89/2	90/1
3	Molben	Nzoia	Molben	1BA	R.Valley	Uasin Gishu	Chebara	1	36	777,700	97,900	89/2	90/1
4 *	Chebiemit	Nzoia	Molben	1BA	R.Valley	Uasin Gishu	Chebiemit	7	36	774,350	88,300	89/2	89/2
5 *	Makutano	Nzoia	Molben	1BA	R.Valley	E.Marakwet	Molben	10	36	773,000	119,600	75/4	75/4
6 *	Chebororwa	Nzoia	Nzoia/Molben	1BB	R.Valley	Uasin Gishu	Molben	9	36	756,800	97,200	89/2	89/2
7	Lower Molben	Nzoia	Nzoia/Molben	1BB	R.Valley	Uasin Gishu	Chebiemit	9	36	769,300	93,000	89/2	89/2
8 *	Losorua	Nzoia	Losorua	1BB	R.Valley	T. Nzoia	Kapcherop	5	36	754,600	111,700	75/4	75/4
9 *	Kiptaberr	Nzoia	Losorua	1BB	R.Valley	E.Marakwet	Kapcherop	5	36	758,000	119,800	75/4	75/4
10 *	Kapcherop	Nzoia	Losorua	1BB	R.Valley	Uasin Gishu	Kapcherop	4	36	758,100	111,750	75/4	75/4
11 *	Maji Mazuri	Nzoia	Nzoia	1BB	R.Valley	Trans-Nzoia /Uasin Gishu	Molben	10	36	747,150	101,900	89/1	89/1
12 *	Moigameget	Nzoia	Moigameget	1BC	R.Valley	Trans-Nzoia	Kitale	18	36	741,850	112,300	75/3	75/3
13 *	Longleat	Nzoia	Moigameget	1BC	R.Valley	Trans-Nzoia	Kitale	18	36	739,950	114,950	75/3	75/3
14	Hemsted's Brg.	Nzoia	Nzoia	1BD	Western	Bungoma/Kakamega	Moi's Brg.	13	36	729,000	85,650	89/1	89/1,2
15	Moi's Brg.	Nzoia	Nzoia	1BE	R.Valley	Uasin Gishu /Trans-Nzoia	Moi's Brg.	1	36	735,400	99,150	89/1	89/1
16 *	Naisabu	Nzoia	Koitobu	1BE	R.Valley	Trans-Nzoia	Kitale	7	36	730,150	114,100	75/3	75/3,74/4
17	Rongai	Nzoia	Nzoia	1BG	Western	Kakamega	Kamakolwa	7	36	713,900	80,000	88/4	88/4
18 *	Kaptama	Nzoia	Sosio	1BH	R.Valley	T. Nzoia	-	-	36	696,050	95,800	88/2	88/2
19	Sergoit (No.1)	Nzoia	Sergoit	1CA	R.Valley	Uasin Gishu	Turbo	8	36	735,600	71,800	89/3	89/3
20	Sergoit (No.2)	Nzoia	Sergoit	1CA	R.Valley	Uasin Gishu	Eldoret	16	36	752,700	74,200	89/4	89/4
21	Endoroto	Nzoia	Endoroto	1CB	R.Valley	Uasin Gishu	Eldoret	-	36	774,950	43,500	103/2	103/2
22 *	Kiboro	Nzoia	Sosiani	1CB	R.Valley	Handi/Uasin Gishu	Turbo	8	36	733,500	62,000	89/3	89/3
23	Kisongi (No.7)	Nzoia	Kisongi	1CC	R.Valley	Uasin Gishu	Eldoret	30	36	773,600	29,700	103/2	103/2
24	Kerita (No.8)	Nzoia	Kerita	1CC	R.Valley	Uasin Gishu	Eldoret	22	36	769,000	28,450	103/2	103/2
25 *	Nureri	Nzoia	Nureri	1CC	R.Valley	Handi	-	-	36	774,500	44,150	103/1	103/1
26 *	Kormanet	Nzoia	Kipkaren	1CD	R.Valley	Handi	Eldoret	14	36	737,500	49,900	103/1	103/1
27	Lugari	Nzoia	Nzoia	1DA	Western	Bungoma/Kakamega	Lugari	5	36	704,100	71,300	88/4	88/1,4
28	Webuye Falls	Nzoia	Nzoia	1DA	Western	Bungoma/Kakamega	Webuye	3	36	700,700	66,900	88/4	88/2,4
29	Teremi	Nzoia	Kuywa	1DB	Western	Bungoma	Kimilili	16	36	676,250	91,250	88/1	88/1
30 *	Mukulusi	Nzoia	Isiukhu	1EA	Western	Kakamega	Kakamega	6	36	701,550	32,000	102/2	102/2
31 *	Shibe	Nzoia	Isiukhu	1EB	Western	Kakamega	Kakamega	-	36	682,100	29,800	102/1	102/1
32 *	Indangalasia	Nzoia	Lusumu	1ED	Western	Kakamega	Kakamega	-	36	669,250	30,400	102/1	102/1
33	Rambula	Nzoia	Nzoia	1EE	Nyanza	Siaya	Rangala	8	36	642,050	22,300	101/4	101/2
34	Ukuru	Yala	Nderuguti	1FA	R.Valley	Uasin Gishu	Nabkoi	6	36	767,600	21,600	103/4	103/4
35 *	Kosira	Yala	Kingwal/Yala	1FB	R.Valley	Handi	Kapsabet	7	36	738,150	28,800	103/1	103/1
36 *	Kabongwa	Yala	Kaboen	1FC	R.Valley	Handi	Kapsabet	7	36	740,450	23,500	103/3	103/3
37	Kimondi	Yala	Kimondi	1FC	R.Valley	Handi	Kapsabet	-	36	729,100	27,850	103/1	103/1
38	Handi Forest	Yala	Yala	1FD	R.Valley	Handi	Kapsabet	15	36	722,900	16,100	103/3	103/3
39 *	Shikondi	Yala	Yala	1FE	Western	Kakamega	Kakamega	-	36	698,150	19,600	102/4	102/4
40	Mushangumbo	Yala	Yala	1FE	Western	Kakamega	Yala	5	36	675,000	14,500	102/3	102/3
41	Gongo	Yala	Yala	1FG	Nyanza	Siaya	Yala	6	36	666,800	6,500	101/4	102/3
42 *	Uranga	Yala	Yala	1FG	Nyanza	Siaya	Yala	10	36	663,850	4,300	101/4	101/4
43 *	Songhor	Nyando	Ainobngetuny	1GA	R.Valley	Handi	Songhor	14	36	759,600	1,800	103/4	103/4
44 *	Old Sikh	Nyando	Kipkurere	1GA	R.Valley	Handi	Songhor	-	36	762,700	7,650	103/4	103/4
45	Tinderet Forest	Nyando	Ainobngetuny	1GA	R.Valley	Handi/Kericho	Timboroa	8	36	769,600	1,100	103/4	103/4
46	Twin Brg.	Nyando	Ainopngetui	1GB	R.Valley	Kisumu	Muhoroni	14	36	741,900	9,997,000	117/1	117/1
47 *	Tuguon	Nyando	Nyando	1GC	R.Valley	Kericho	Lumbwa	8	36	767,300	9,974,000	117/2	117/2
48 *	Kimasian	Nyando	Nyando	1GC	R.Valley	Kericho	Londiani	8	36	782,650	9,976,300	118/1	118/1
49 *	Kipkoyo	Nyando	Kipkoyo	1GC	R.Valley	Kericho	Londiani	7	36	793,200	9,975,850	118/1	118/1
50	Londiani	Nyando	Kipchorian	1GC	R.Valley	Kericho	Londiani	5	36	786,800	9,986,800	118/1	118/1
51	Nyando	Nyando	Nyando	1GC	Nyanza/R.Valley	Kisumu/Kericho	Muhoroni	6	36	747,100	9,978,800	117/2	117/2
52	Koru	Nyando	Nyando	1GD1	R.Valley	Kisumu	Koru	8	36	751,900	9,974,300	117/1	117/1,2
53	Awasi	Nyando	Nyando	1GD1	R.Valley	Kisumu	Muhoroni	9	36	735,900	9,984,500	117/1	117/1
54 *	Fort Ternan	Nyando	unknown	1GG	R.Valley	Kericho	Koru	5	36	756,050	9,976,800	117/2	117/2
55 *	Hamilton	Nyando	unknown	1GG	R.Valley	Kericho	-	-	36	772,200	9,980,750	117/2	117/2
56 *	Masibun	Nyando	unknown	1GG	R.Valley	Kericho	Lubwa	-	36	774,200	9,982,600	117/2	117/2

## Appendix H.5

## Coordinates of Identified Damsites (Lake Victoria Drainage Area)

## I. Lake Victoria Drainage Area

No.	Name of Dam	River Basin	River (damsite)	Basin Code (Dam -site)	Province	District	Nearest Town	Apoxi. Dist U.T.M. (Km)	Zone	Coordinates (Damsite)		Ref. Sheet No.	
										X	Y	Damsite	Reservoir
54 *	Fort Ternan	Nyando	unknown	1GG	R.Valley	Kericho	Koru	5	36	756,050	9,976,800	117/2	117/2
55 *	Hamilton	Nyando	unknown	1GG	R.Valley	Kericho	-	-	36	772,200	9,980,750	117/2	117/2
56 *	Masibun	Nyando	unknown	1GG	R.Valley	Kericho	Lubwa	-	36	774,200	9,982,600	117/2	117/2
57 *	Sirat	Nyando	unknown	1GG	R.Valley	Kericho	-	-	36	764,700	9,977,000	117/2	117/2
58	Kibos	Kibos	Kibos	1HA	R.Valley	Nandi	Kisumu	10	36	703,500	500	102/4	102/4
59	Itare	Sondu	Itare	1JA	R.Valley	Kericho	Kaptebengwet	5	36	780,500	9,951,500	118/3	118/3
60 *	Kofwa	Sondu	Itare	1JA	R.Valley	Kericho	Kaptebengwet	3	36	757,700	9,934,300	131/2	131/2
61 *	Chemosit	Sondu	Chemosit	1JB	R.Valley	Kericho	Kericho	9	36	752,200	9,950,600	117/4	117/4
62 *	Chemelet	Sondu	Itare	1JB	R.Valley	Kericho	Kitio	14	36	748,700	9,939,300	131/1	131/2
63 *	Cheyman	Sondu	Timbilili	1JC	R.Valley	Kericho	Kericho	7	36	760,800	9,958,400	117/4	117/4
64 *	Sambret	Sondu	Timbilili	1JC	R.Valley	Kericho	Kericho	14	36	767,750	9,959,600	117/4	117/4
65 *	Hajengo	Sondu	Dimlitch	1JC	R.Valley	Kericho	Kericho	5	36	756,550	9,956,050	117/4	117/4
66 *	Masabet	Sondu	Kitoi	1JC	R.Valley	Kericho	Kitio	9	36	765,000	9,958,100	117/4	117/4
67	Hau Forest	Sondu	Timbilili	1JC	R.Valley	Kericho	Kericho	-	36	767,800	9,958,600	117/4	117/4
68 *	Kaitet	Sondu	Sisei	1JE	R.Valley	Kericho	Sotik	4	36	734,900	9,920,300	131/1	131/1,3
69 *	Kapkoros	Sondu	Kipsonoi	1JF	R.Valley	Kericho	Kipkoros	1	36	757,100	9,928,000	131/2	131/2
70	Orokiet	Sondu	Kipsonoi	1JF	R.Valley	Kericho	Sotik	8	36	732,000	9,931,800	131/1	131/1
71 *	Satiet	Sondu	Kipsonoi	1JF	R.Valley	Kericho	Kipkoros	11	36	766,800	9,929,000	131/2	131/2
72	Yurith	Sondu	Yurith	1JD	R.Valley	Kericho	Kitio	4	36	737,500	9,948,850	117/3	117/3
73 *	Sisei	Sondu	Kipsonoi	1JF	R.Valley	Kericho	Sotik	2	36	733,150	9,924,000	131/1	131/1
74	Magwagwa	Sondu	Sondu	1JG	R.Valley	Kericho	Sondu	11	36	727,100	9,947,100	117/3	131/1
75 *	Bunyonyu	Kuja	Kuja	1KB	Nyanza	Kisii	Kisii	11	36	708,700	9,922,700	130/2	130/2
76 *	Macalder	Kuja	Kuja	1KB	Nyanza	S.Nyanza	Macalder	2	36	640,700	9,893,300	129/4	129/4
77 *	Nyakorere	Kuja	Kuja	1KB	Nyanza	Kisii	Ogembo	9	36	686,200	9,907,600	130/3	130/3
78 *	Mochengo	Kuja	Kuja	1KB	Nyanza	S.Nyanza	Awendo	13	36	680,000	9,907,200	130/3	130/3
79 *	Katieno	Kuja	Kuja	1KB	Nyanza	S.Nyanza	Macalder	10	36	652,100	9,899,700	129/4	129/4
80 *	Nyamagwa	Kuja	Kuja	1KB	Nyanza	Kisii	Kisii	13	36	697,900	9,911,900	130/4	130/4
81 *	Karapolo	Kuja	Kuja	1KB	Nyanza	Kisii	Macalder	7	36	638,350	9,890,800	129/3	129/4
82	Namba Kodero	Kuja	Higori	1KC	Nyanza	S.Nyanza	Macalder	2	36	643,600	9,890,900	129/4	143/2
83	Ol Ngobor	Kuja	Higori	1KC	R.Valley	Narok	Kilkoris	20	36	698,000	9,873,200	144/2	144/2
84	Nyangores	Hara	Nyangores	1LA1	R.Valley	Kericho	Bomet	-	36	760,100	9,912,100	131/2	131/2
85	Bomet	Hara	Nyangores	1LA1	R.Valley	Kericho	Bomet	2	36	762,400	9,915,300	131/4	131/4
86	Tenwek	Hara	Nyangores	1LA1	R.Valley	Kericho	Tenwek	1	36	762,900	9,918,800	131/2	131/2
87 *	Merigit	Hara	Chepkositonik	1LA1	R.Valley	Kericho	Tenwek	5	36	768,100	9,916,200	131/4	131/4
88	Hara Bridge	Hara	Hara	1LA2	R.Valley	Narok	Narok	-	36	726,750	9,865,600	145/1	145/1
89 *	Ngobor	Hara	Ol Onganiet	1LA3	R.Valley	Narok	-	-	36	778,600	9,811,000	159/1	159/1
90 *	Kapkimolwa	Hara	Amala	1LB1	R.Valley	Kericho/Narok	Bomet	11	36	773,500	9,903,200	131/4	131/4
91 *	Sitotwet	Hara	Amala	1LB1	R.Valley	Narok	-	-	36	779,200	9,909,000	132/3	132/3
92	Amala	Hara	Amala	1LB1	R.Valley	Kericho/Narok	Bomet	15	36	788,150	9,917,600	132/1	132/1
93 *	Regero	Hara	Regero	1LB2	R.Valley	Narok	Lemek	18	36	761,950	68,000	145/2	145/2

Source: MOWD, NWCP, LBDA, KVDA, MOE, Ref. Nos. H.2, 5, 9, 10, 11, 12, 13, 14, 16, 26

Note : "\*" A dams site newly identified in the Study.

## Appendix H.5

## Coordinates of Identified Damsites (Rift Valley Drainage Area)

## II. Rift Valley Drainage Area

Item No.	Name of Damsite	River Basin	River (damsite)	Sub-basin (Dam-site)	Province	District	Nearest Town	Apoxi. Dist. (Km)	Coordinates (Damsite)		Ref. sheet No.	
									U.T.M. Zone	X	Y	DamsiteReservoir
1 *	Mbanga	Turkwe	Morun	2BA	R.Valley	West Pokot	-	-	36	759,800	130,100	75/4 75/4
2	Moruny	Turkwe	Morun	2BA	R.Valley	West Pokot	-	-	36	758,000	152,100	75/2 75/2
3 *	Marun	Turkwe	Lang	2BA	R.Valley	West Pokot	-	-	36	766,500	170,150	62/4 62/4
4 *	Kabichich	Turkwe	Morun	2BA	R.Valley	West Pokot	-	-	36	756,200	135,000	75/4 75/4
5 *	Ortum	Turkwe	Morun	2BA	R.Valley	West Pokot	-	-	36	760,800	159,200	75/2 75/2
6	Wei Wei	Turkwe	Wei Wei	2BB	R.Valley	West Pokot	-	-	36	774,150	159,400	75/2 75/2
7 *	Kipsang	Kerio	Kipsang	2CB	R.Valley	Baringo	Eldama Ravine	25	36	803,500	36,100	104/1 104/1
8 *	Tuyobet	Kerio	Kerio	2CB	R.Valley	Elgeyo M./Baringo	Eldama Ravine	20	36	796,200	43,300	104/1 104/1
9 *	Kiptunol 1	Kerio	Kiptunol	2CB	R.Valley	Baringo	Eldama Ravine	25	36	803,450	39,300	104/1 104/1,2
10 *	Kiptunol 2	Kerio	Kiptunol	2CB	R.Valley	Baringo	Eldama Ravine	-	36	805,600	38,800	104/1 104/1
11	Kimwarer	Kerio	Kimwarer	2CB	R.Valley	Elgeyo Marakwet	Eldama Ravine	8	36	785,850	30,100	104/1 104/1
12 *	Kapkaletwa	Kerio	Chemossusu	2CB	R.Valley	Baringo	Eldama Ravine	-	36	804,400	41,900	104/1 104/1
13	Kerio A	Kerio	Kerio	2CB/2CC	R.Valley	Elgeyo M./Baringo	-	-	36	792,450	98,800	90/1 90/1,3
14 *	Arror	Kerio	Arror	2CC	R.Valley	Elgeyo Marakwet	Moiben	-	36	776,800	132,800	75/4 75/4
15 *	Kapsowar	Kerio	Arror	2CC	R.Valley	Elgeyo Marakwet	Kapsowar	-	36	787,400	106,900	90/1 90/1
16	Sererwa	Kerio	Arror	2CC	R.Valley	Elgeyo Marakwet	-	-	36	784,900	111,300	76/3 76/3
17 *	Lokori	Kerio	Kerio	2CC	R.Valley	Turkana	Lokori	9	36	831,600	208,300	63/2 63/2
18 *	Embobut	Kerio	Embobut	2CC	R.Valley	Elgeyo Marakwet	-	-	36	787,300	135,500	76/3 76/3
19 *	Kamukuny	Kerio	Kerio	2CC	R.Valley	Turkana	-	-	36	820,200	95,600	63/2 63/4
20 *	Tirioko	Suguta	Kapedo	2D	R.Valley	Baringo	-	-	36	170,200	131,500	77/3 77/3
21	Waseges No.3	Waseges	Waseges	2EB	R.Valley	Baringo	-	-	37	189,950	21,000	105/3 105/3
22	Waseges Alts	Waseges	Waseges	2EB	R.Valley	Baringo/Nakuru	-	-	37	186,300	25,000	105/3 105/3
23 *	Siracho	Waseges	Waseges	2EB	R.Valley	Baringo	-	-	37	181,100	35,800	105/1 105/1
24	Waseges	Waseges	Waseges	2EB	R.Valley	Baringo	-	-	37	183,950	31,800	105/1 105/1
25 *	Chepkungul	Perkerra	Chemussusu	2ED	R.Valley	Baringo	Eldama Ravine	7	36	797,800	11,450	104/3 104/3
26 *	Sigoro	Perkerra	Perkerra	2ED	R.Valley	Baringo	Eldama Ravine	7	36	805,750	11,500	104/3 104/3
27 *	Sabor	Maoi	Maoi	2EE	R.Valley	Baringo	Marigat	18	36	816,700	42,600	104/2 104/2
28	Kibias	Perkerra	Perkerra	2EE	R.Valley	Baringo	Marigat	-	36	809,900	14,300	104/4 104/4
29	Ratat 1	Perkerra	Perkerra	2EE	R.Valley	Baringo	Marigat	19	36	824,500	32,200	104/2 104/2,4
30	Ratat 2	Perkerra	Perkerra	2EE	R.Valley	Baringo	Marigat	-	36	821,500	30,300	104/2 104/2,4
31	Aram	Perkerra	Perkerra	2EE	R.Valley	Baringo	Marigat	-	36	814,500	19,600	104/4 104/4
32 *	Marigat	Perkerra	Perkerra	2EE	R.Valley	Baringo	Marigat	1	36	830,300	51,200	104/2 104/2
33	Mau Stream	Molo	Mau Stream	2EG1	R.Valley	Nakuru	Elburgon	4	36	809,450	9,967,600	118/4 118/4
34	Molo	Molo	Molo	2EG1	R.Valley	Nakuru	Rongai	8	36	813,000	9,976,600	118/2 118/2
35	Sitat	Molo	Molo	2EG2	R.Valley	Baringo	Emining	14	36	831,900	26,600	104/4 104/4
36 *	Kapsongat	Molo	Molo	2EG2	R.Valley	Baringo	Marigat	10	36	833,200	41,500	104/2 104/2
37 *	Lolen	Molo	Molo	2EG2	R.Valley	Baringo	Marigat	16	36	832,700	36,300	104/2 104/2
38	Mutaran	Mutaran	Mutaran	2EK	R.Valley	Baringo	-	-	37	186,800	52,200	105/1 105/1
39 *	Marmanet F.	Ol Arabel	Ol Arabel	2EK	R.Valley	Laikipia	-	-	37	203,000	28,350	105/2 105/2,4
40 *	Enderit No.1	Enderit	Enderit	2FC	R.Valley	Nakuru	Nakuru	35	37	176,250	9,934,400	133/1 133/1
41 *	Enderit No.2	Enderit	Enderit	2FC	R.Valley	Nakuru	Nakuru	35	37	172,800	9,934,700	133/1 133/1
42 *	Gitanguin	Enderit	Gitanguin	2FC	R.Valley	Nakuru	Nakuru	38	37	175,700	9,926,000	133/1 133/1
43	Malewa	Melawa	Melawa	2GB	Central	Ryandarua	Gilgil	11	37	211,400	9,951,950	119/4 119/4
44	Upper Narok	E.Ngiro S.	Engare Narok	2KA	R.Valley	Narok	Narok	20	36	814,100	9,894,600	132/4 132/4
45 *	Lower Narok	E.Ngiro S.	Ewaso Narok	2KA	R.Valley	Narok	Narok	3	36	817,300	9,882,600	146/2 146/2
46 *	Olosoisho	E.Ngiro S.	Engare Narok	2KA	R.Valley	Narok	Narok	-	-	813,100	9,896,850	132/4 132/4
47	Leshota	E.Ngiro S.	E.Ngiro S.	2KB	R.Valley	Narok	-	-	37	167,900	9,847,550	147/3 146/4
48	Oldorko	E.Ngiro S.	E.Ngiro S.	2KB	R.Valley	Kajiado	-	-	37	174,150	9,832,400	150/1 147/3

Source: MOWD, NWCP, LBDA, KVDA, MOE, Ref. Nos. H.1, 2, 16, 18, 23, 24, 25, 27

Note : \*\*\* A damsites newly identified in the Study.

## Appendix H.5

## Coordinates of Identified Damsites (Athi River Drainage Area)

## III. Athi River Drainage Area

Item No.	Name of Dam	River Basin	River	Sub-basin (Dam-site)	Province	District	Nearest Town	Approx. Dist. (Km)	U.T.M. Zone	Coordinates (damsite)		Ref. sheet No.	
										X	Y	Damsite	Reservoir
1	Upper Athi	Athi	Athi	3AA	Central	Nairobi	Nairobi	12	37	264,700	9,844,600	148/4	148/4
2 *	Kikuyu	Athi	Nairobi	3BA	Central	Kiambu	Nairobi	10	37	239,900	9,861,800	148/1	148/1,3
3	Ruaka	Athi	Ruaka	3BA	Central	Kiambu	Kiambu	5	37	252,900	9,867,300	148/2	148/2
4	Ruiru A	Athi	Ruiru	3BC	Central	Kiambu	Githunguri	2	37	252,700	9,885,600	148/2	148/2
5	Nyamangara	Athi	Ndarugu	3CB	Central	Kiambu	Githunguru	4	37	271,600	9,886,700	148/2	148/2
6	Ndarugu 1	Athi	Ndarugu	3CB	Central	Kiambu	Thika	14	37	296,400	9,876,500	149/1	149/1
7	Ndarugu 2	Athi	Ndarugu	3CB	Central	Kiambu			37	264,500	9,895,000	134/4	134/4
8	Munyu	Athi	Athi	3DA	Central/East	Kiambu/Machakos	Thika	15	37	297,500	9,877,500	149/1	149/1
9 *	Thwake 1	Athi	Athi	3DB	Eastern	Kitui/Machakos	-	-	37	372,500	9,805,000	163/4	163/2,4
10 *	Ikiwe	Athi	Ikiwe	3EA	Eastern	Machakos	Machakos	8	37	315,100	9,830,600	162/2	162/2
11 *	Maluwa	Athi	Thwake	3EA	Eastern	Machakos	Machakos	14	37	320,700	9,831,900	162/2	162/2
12 *	Mbuuni	Athi	Thwake	3EA	Eastern	Machakos	Machakos	37	318,500	9,836,600	149/4	149/4	
13	Kiteta	Athi	Kiteta	3EB	Eastern	Machakos	Machakos	37	336,500	9,826,000	163/1	163/1	
14 *	Ngwani	Athi	Thwake	3EB	Eastern	Machakos	Machakos	24	37	330,300	9,832,250	162/2	162/2
15	Thwake	Athi	Athi	3FA	Eastern	Kitui/Machakos	-	-	37	371,300	9,802,500	163/4	163/2,4
16	Yatta	Athi	Athi	3FB	Eastern	Kitui/Machakos	-	-	37	384,700	9,762,300	174/2	174/2
17 *	Yatta 1	Athi	Athi	3FB	Eastern	Kitui/Machakos	-	-	37	383,600	9,764,600	174/2	174/2
18	Tsavo	Athi	Tsavo	3G	Coast	Taita	Tsavo	2	37	438,450	9,968,350	189/2	183/4,189/2
19	Tsavo I	Athi	Tsavo	3G	Coast	Taita	Tsavo		37	422,300	9,962,000	189/1	189/1,2
20	Baricho	Athi	Sabaki	3HD	Coast	Kilifi	Kilifi	-	37	585,800	9,655,300	192/2	192/1,2
21	Konjora	Rare	Konjora	3LA	Coast	Kilifi	-	-	37	587,000	9,606,700	198/2	198/2
22	Magononi	Rare	Magononi	3LA	Coast	Kilifi	-	-	37	587,100	9,608,200	198/2	198/2
23 *	Mdzobuni	Rare	Mdzobuni	3LA	Coast	Kilifi	-	-	37	579,100	9,598,400	198/1	198/1
24	Rare	Rare	Voi/Rare	3LA	Coast	Kilifi	-	-	37	581,200	9,620,200	192/3	192/3
25	Mwachi	Mwachi	Mwachi	3MB	Coast	Kwale	Mombasa	16	37	557,700	9,559,200	198/3	198/3
26 *	Kadingo	Pemba	Pemba	3MC	Coast	Kwale	Kwale		37	550,200	9,544,800	200/2	200/2
27	Pemba	Pemba	Pemba	3MC	Coast	Kwale	Kwale	7	37	551,900	9,545,400	200/2	200/2

Source: MOWD, TARDA, MWCPC, Ref. Nos. H.1, H.29, H.30, H.31, H.32, H.33, H.34, H.36

Note: "\*" A dams site newly identified in the study.

## Appendix H.5

## Coordinates of Identified Damsites (Tana River Drainage Area)

## IV. Tana River Drainage Area

Item No.	Name of Damsite	River Basin	River	Sub-basin (Dam-site)	Province	District	Nearest Town	Apoxl. Dist. (Km)	U.T.M. Zone	Coordinates (Damsite)		Ref. Sheet No.	
										X	Y	Damsite	Reservoir
1 *	Gitumbi	Tana	Amboni	4AB	Central	Nyeri	Nyeri	6	37	277,200	9,955,400	120/4	120/4
2 *	Nderitu	Tana	Amboni	4AB	Central	Nyeri	Nyeri	11	37	273,500	9,963,900	120/4	120/4
3 *	Rutura	Tana	Chanya	4AC	Central	Nyeri	Nyeri	6	37	266,200	9,953,500	120/4	120/4
4 *	Kirurumi	Tana	Chanya	4AC	Central	Nyeri	Nyeri	8	37	260,900	9,952,500	120/4	120/4
5 *	Gatitu	Tana	Chanya	4AC	Central	Nyeri	Nyeri	4	37	276,200	9,952,500	120/4	120/4
6	Kigoini	Tana	Chinga	4AD	Central	Muranga	-	-	37	268,500	9,935,700	134/2	134/2
7 *	Gikira	Tana	Gikira	4AD	Central	Nyeri	-	-	37	276,750	9,939,300	134/2	134/2
8 *	S.Mathioya	Tana	S.Mathioya	4BD	Central	Muranga	-	-	37	268,500	9,926,000	134/2	134/2
9 *	Muhitu	Tana	Gondo	4BD	Central	Muranga	-	-	37	272,800	9,927,500	134/2	134/2
10 *	Koimbi	Tana	Mukungai	4BD	Central	Muranga	-	-	37	276,300	9,923,000	134/2	134/2
11 *	Muringaini	Tana	S.Mathioya	4BD	Central	Muranga	-	-	37	276,800	9,927,000	134/2	134/2
12 *	Kamukabi	Tana	Irati	4BE	Central	Muranga	-	-	37	270,300	9,913,700	134/4	134/4
13 *	Kiringa	Tana	Kiahuha	4BE	Central	Muranga	-	-	37	266,900	9,914,500	134/4	134/4
14	Maragua 8	Tana	Maragua	4BE	Central	Muranga	-	-	37	285,000	9,913,900	135/3	135/3
15	Maragua 4	Tana	Maragua	4BE	Central	Muranga	-	-	37	264,600	9,917,500	134/2	134/2
16 *	Kiriangoro	Tana	Irati	4BE	Central	Muranga	-	-	37	275,900	9,912,500	134/4	134/4
17 *	Saba Saba	Tana	Saba Saba	4BF	Central	Muranga	-	-	37	298,100	9,913,100	135/3	135/3
18 *	Githima	Tana	Githima	4BF	Central	Muranga	-	-	37	277,300	9,909,500	134/4	134/4
19	Chania B	Tana	Chania	4CA	Central	Kiambu/Muranga	-	-	37	265,300	9,899,900	134/4	134/4
20 *	Sasumua A	Tana	Chania	4CA	Central	Kiambu/Nyandarua	-	-	37	244,900	9,913,300	134/3	134/3
21	Chania A	Tana	Chania	4CA	Central	Kiambu/Muranga	-	-	37	249,300	9,908,600	134/3	134/3
22	Kimakia	Tana	Kimakia	4CA	Central	Muranga	-	-	37	249,500	9,912,300	134/3	134/3
23	Ndiara	Tana	Ndiara	4CA	Central	Kiambu	-	-	37	244,500	9,912,000	134/3	134/3
24 *	Kigoro	Tana	Thika	4CB	Central	Muranga	-	-	37	267,800	9,907,000	134/4	134/4
25	Thika 3A	Tana	Thika	4CB	Central	Muranga	-	-	37	282,000	9,892,100	135/3	135/3
26 *	Ndakaini	Tana	Thika	4CB	Central	Muranga	-	-	37	260,800	9,906,950	134/4	134/4
27 *	Mukurue	Tana	Thika	4CB	Central	Muranga	-	-	37	274,100	9,900,500	134/4	134/4
28 *	Kiketani	Tana	Thika	4CC	Eastern	Machakos	Thika	-	37	331,400	9,881,100	149/2	149/2
29	Thiba	Tana	Thiba	4DA	Central	Kirinyaga	Embu	13	37	314,800	9,941,500	135/2	135/2
30 *	Siakago	Tana	Ena	4EC	Eastern	Embu	-	-	37	353,500	9,943,100	136/1	136/1
31	Karura	Tana	Tana	4ED	Eastern	Embu/Kitui	-	-	37	379,050	9,921,000	136/2	136/2,4
32 *	Kamogo	Tana	Thura	4ED	Eastern	Embu	-	-	37	350,000	9,930,450	136/1	136/1
33 *	Karambari	Tana	Thura	4ED	Eastern	Embu	-	-	37	357,750	9,926,950	136/1	136/1
34	Mutonga	Tana	Tana	4FA	Eastern	Meru/Kitui	-	-	37	382,250	9,952,900	122/4	122/4
35	Grand Falls (High)	Tana	Tana	4FB	Eastern	Meru/Kitui	-	-	37	392,650	9,969,800	123/3	123/3
35	Grand Falls (Low)	Tana	Tana	4FB	Eastern	Meru/Kitui	-	-	37	392,900	9,969,750	123/3	123/3
36	Usueni	Tana	Tana	4FB	Eastern	Meru/Kitui	-	-	37	411,700	9,985,500	123/1	123/1
37	Adamson Falls	Tana	Tana	4GA	East/Coast	Isiolo/Tana	-	-	37	436,600	9,991,500	123/2	123/2
38	Kora	Tana	Tana	4GB	Coast	Tana	-	-	37	474,350	9,992,300	124/2	124/1,2
39 *	Kavgongo	Tana	Tiva	4HA	Eastern	Kitui	Kitui	-	37	375,700	9,824,800	163/2	163/2
40	Kitimui	Tana	Tiva	4H	Eastern	Kitui	Kitui	-	37	391,300	9,860,000	151/1	151/1

Source: MOWD, TARDA, NIB, NCC, Ref.Nos.H.1,2,30,35,36,40

Notes : "\*" A dams site newly identified in the Study.

## Appendix H.5 Coordinates of Identified Damsites (Ewaso Ngiro North River Drainage Area)

## V. Ewaso Ngiro North River Drainage Area

Item of No. Damsite	Name River Basin	River (damsite)	Sub -basin (Dam site)	Province	District	Nearest Town	Apoxi. Dist. (Km)	U.T.M. Zone	Coordinates (damsite)		Ref. sheet No.	
									X	Y	Damsite	Reservoir
1 * 01 Bolossat	E.Ngiro	01 Bolossat	5AA	Central	Nyandarua	-	-	37	204,000	9,995,400	119/2	119/2
2 Rumuruti	E.Ngiro	E.Narok	5AA	R.Valley	Laikipia	Rumuruti	14	37	216,500	16,650	105/4	105/4
3 Nyahururu	E.Ngiro	Nyahururu	5AA	R.Valley	Laikipia	Nyahururu	5	37	201,900	3,950	105/4	105/4
4 * Oralmutia	E.Ngiro	E.Narok	5AA	Central	Nyandarua	-	-	37	200,600	9,986,300	119/2	119/2
5 Gage	E.Ngiro	E.Narok	5AC	R.Valley	Laikipia	-	-	37	261,000	57,200	92/4	92/4, 106/2
6 Kihoto	E.Ngiro	E.Ngiro	5BC	R.Valley	Laikipia	-	-	37	267,600	27,650	106/4	106/4
7 * Swari	E.Ngiro	E.Ngiro	5CB	R.Valley	Samburu	-	-	37	289,800	28,900	79/3	79/3
8 * Trilo	E.Ngiro	E.Ngiro	5CB	R.Valley	Samburu	-	-	37	280,500	23,000	79/3	79/3
9 * Barsaloi	E.Ngiro	Barsaloi	5CC	R.Valley	Samburu	-	-	37	275,900	164,200	78/2	78/2, 65/4
10 * Hilgis	E.Ngiro	Hilgis	5CC	R.Valley	Samburu	-	-	37	295,900	168,300	66/3	66/3
11 Archers Post	E.Ngiro	E.Ngiro	5DA	R.V./East.	Samburu/Isiolo	Archers Post	19	37	335,500	63,200	94/3	93/4, 94/3
12 * Sinyai	E.Ngiro	Sinyai	5DB	R.Valley	Laikipia	-	-	37	288,900	54,100	107/1	107/1
13 Crocodile Jaws	E.Ngiro	E.Ngiro	5DC	R.V./East.	Laikipia/Isiolo	-	-	37	264,000	67,000	92/4	92/4
14 Kirimun	E.Ngiro	E.Ngiro	5DC	R.V./East.	Laikipia/Isiolo	-	-	37	269,750	82,500	92/4	92/4
15 Ngadurumuto	E.Ngiro	E.Ngiro	5DC/5BC /5BE	R.Valley	Laikipia	-	-	37	269,000	39,800	106/2	106/2
16 * Tulolong	E.Ngiro	E.Ngiro	5DD	R.Valley	Samburu	-	-	37	279,300	83,750	93/1	93/1
17 * Longopito	E.Ngiro	E.Ngiro	5DD	R.Valley	Laikipia/Isiolo	-	-	37	274,100	82,400	92/4	92/2
18 * Lokomon	E.Ngiro	E.Ngiro	5DD	R.Valley	Samburu	-	-	37	301,200	81,900	93/3	93/3

Source: MOWD, MOE, Ref.No.H.1,41,42

Note : \* A damsites newly identified in the Study.

## **APPENDIX H.6**

### **Results of First Screening for Prospective Damsites**





## Appendix H.6

## Results of First Screening for Prospective Damsites (1/5)

## I. Lake Victoria Drainage Area

## FIRST SCREENING (TOPO-MAX.)

No.	Damsites	River		River Scheme		Purpose	Catchment Area	Reservoir Storage					Dam Storage	Efficiency (SE)	Results	
		Basin	River	Basin Code (Dam-site)	Stage			W/I P/F	Gross Storage (1) (km2)	Specific Sediment (m3/Km2 /yr)	Dead Storage (2) (mcm)	Active Storage (1)-(2) (mcm)				Embankment Volume (3) (1000m3)
1 *	Kipnai	Nzoia	Molben	1BA	-	W	76	62.5	120	0.5	62.0	5,588	11			
2 *	Chebara	Nzoia	Molben	1BA	-	W	190	15.0	120	1.1	13.9	568	24	to 2nd Screening		
3	Molben	Nzoia	Molben	1BA	(D/D)	W	188	24.7	120	1.1	23.6	501	47	to 2nd Screening		
4 *	Chebiemit	Nzoia	Molben	1BA	-	W	229	43.0	120	1.4	41.6	2,975	14			
5 *	Makutano	Nzoia	Molben	1BA	-	-	48	15.5	120	0.3	15.2	1,188	13			
6 *	Chebororwa	Nzoia	Nzoia/Molben	1BB	-	W	814	27.5	406	16.5	11.0	1,010	11			
7	Lower Molben	Nzoia	Nzoia/Molben	1BB	M/P	P	644	55.0	70	2.3	52.7	1,658	32	to 2nd Screening		
8 *	Losorua	Nzoia	Losorua	1BB	-	-	89	16.0	406	1.8	14.2	1,027	14			
9 *	Kiptaberr	Nzoia	Losorua	1BB	-	-	60	19.0	120	0.4	18.6	300	62	to 2nd Screening		
10 *	Kapcherop	Nzoia	Losorua	1BB	-	W	75	13.0	120	0.5	12.6	325	39	to 2nd Screening		
11 *	Maji Mazuri	Nzoia	Nzoia	1BB	-	W	1,343	30.0	406	27.3	2.7	547	5			
12 *	Noigameget	Nzoia	Noigameget	1BC	-	W	546	42.0	406	11.1	30.9	129	240	to 2nd Screening		
13 *	Longleat	Nzoia	Noigameget	1BC	-	W	191	50.0	406	3.9	46.1	339	136	to 2nd Screening		
14	Hemsted's Brg.	Nzoia	Nzoia	1BD	M/P	I,P	3,825	260.0	350	66.9	193.1	5,853	33	to 2nd Screening		
15	Moi's Brg.	Nzoia	Koitobos	1BE	Pre-F/S	W	858	2,200.0	406	17.4	2,182.6	4,700	464	to 2nd Screening		
16 *	Naibabu	Nzoia	Koitobos	1BE	-	W	739	160.0	406	15.0	145.0	207	702	to 2nd Screening		
17	Rongai	Nzoia	Nzoia	1BG	M/P	W,I,P	4,916	485.0	290	71.3	413.7	5,791	71	to 2nd Screening		
18 *	Kaptama	Nzoia	Sosio	1BH	-	-	99	5.0	120	0.6	4.4	1,227	4			
19	Sergoit (No.1)	Nzoia	Sergoit	1CA	M/P	W	659	51.0	352	11.6	39.4	3,557	11			
20	Sergoit (No.2)	Nzoia	Sergoit	1CA	M/P	W	390	2.7	352	6.9	(4.2)	82	(51)			
21	Endoroto	Nzoia	Endoroto	1CB	M/P	W	58	0.4	120	0.3	0.1	30	2			
22 *	Kibolo	Nzoia	Sosiani	1CB	-	W	609	70.0	515	15.7	54.3	1,151	47	to 2nd Screening		
23	Kisongi (No.7)	Nzoia	Kisongi	1CC	M/P	W	119	2.4	120	0.7	1.7	172	10			
24	Kerita (No.8)	Nzoia	Kerita	1CC	M/P	W	104	0.6	120	0.6	(0.0)	27	(1)			
25 *	Nureri	Nzoia	Nureri	1CC	-	W	493	15.0	406	10.0	5.0	653	8			
26 *	Kormaet	Nzoia	Kipkaren	1CD	-	W	807	40.0	515	20.8	19.2	105	184	to 2nd Screening		
27	Lugari	Nzoia	Nzoia	1DA	M/P	I,P	8,300	440.0	315	130.7	309.3	9,382	33	to 2nd Screening		
28	Webuye Falls	Nzoia	Nzoia	1DA	M/P	I,P	8,420	15.5	570	239.8	(224.3)	302	(744)	/1		
29	Teremi	Nzoia	Kuywa	1DB	F/S	P	138	3.8	120	0.8	3.0	530	6	/2		
30 *	Mukulusi	Nzoia	Isiukhu	1EA	-	P	341	40.0	678	11.6	28.4	80	354	to 2nd Screening		
31 *	Shibei	Nzoia	Isiukhu	1EB	-	-	142	14.0	678	4.8	9.2	235	39	to 2nd Screening		
32 *	Indangalasia	Nzoia	Lusumu	1ED	-	W	644	5.0	624	20.1	(15.1)	77	(197)			
33	Rambula	Nzoia	Nzoia	1EE	M/P	I,F,P	11,849	300.0	230	136.3	163.7	2,507	65	to 2nd Screening		
34	Ukiru	Yala	Nderuguti	1FA	M/P	W	45	16.0	120	0.3	15.7	1,761	9			
35 *	Kosirai	Yala	Kingwal/Yala	1FB	-	W	346	190.0	515	8.9	181.1	455	398	to 2nd Screening		
36 *	Kabongwa	Yala	Kabon	1FC	-	W	63	32.0	515	1.6	30.4	79	386	to 2nd Screening		
37	Kimondi	Yala	Kimondi	1FC	-	W	692	792.0	515	17.8	774.2	4,406	176	to 2nd Screening		
38	Nandi Forest	Yala	Yala	1FD	M/P	I,P	1,339	475.0	120	8.0	467.0	6,279	74	to 2nd Screening		
39 *	Shikondi	Yala	Yala	1FE	-	W	1,693	160.0	450	38.1	121.9	1,025	119	to 2nd Screening		
40	Mushangumbo	Yala	Yala	1FE	M/P	I,P	1,987	250.0	400	39.7	210.3	1,852	114	to 2nd Screening		
41	Gongo	Yala	Yala	1FG	M/P	I,P	2,351	195.0	250	29.4	165.6	6,631	25	to 2nd Screening		
42 *	Uranga	Yala	Yala	1FG	-	W	2,385	260.0	350	41.7	218.3	9,087	24	to 2nd Screening		
43 *	Songhor	Nyando	Ainobnetuny	1GA	-	W	50	35.0	120	0.3	34.7	2,537	14			
44 *	Old Sikh	Nyando	Kipkurere	1GA	-	W	141	8.0	120	0.8	7.2	772	9			
45	Tinderet Forest	Nyando	Ainobnetuny	1GA	M/P	P	30	15.0	120	0.2	14.8	1,505	10			
46	Twin Brg.	Nyando	Ainopnetui	1GB	M/P	I,P,F	584	470.0	570	16.6	453.4	20,623	22	to 2nd Screening		
47 *	Tugunon	Nyando	Nyando	1GC	-	W	605	82.5	120	3.6	78.9	3,424	23	to 2nd Screening		
48 *	Kimasian	Nyando	Nyando	1GC	-	P,I,W	186	63.0	120	1.1	61.9	1,154	54	to 2nd Screening		
49 *	Kipkoyo	Nyando	Kipkoyo	1GC	-	W	58	79.0	120	0.3	78.7	9,324	8			
50	Londiani	Nyando	Kipchorian	1GC	Pre-F/S	W	71	83.0	461	1.6	81.4	434	187	to 2nd Screening		

## Appendix H.6

## Results of First Screening for Prospective Damsites (1/5)

## I. Lake Victoria Drainage Area

## FIRST SCREENING (TOPO-MAX.)

No.	Damsites	River		River Scheme		Purpose	Catchment- Area	Reservoir Storage					Dam Storage Volume (3) (1000m3)	Efficiency (SE) (1)-(2) (3) (1)-(2) (3)	Results
		Basin	River	Basin Stage Code (Dam- site)	W/I P/F			Gross Storage (1) (km2)	Specific Sediment (2) (m3/Km2 /yr)	Dead Storage (3) (mcm)	Active Storage (4) (mcm)				
51	Koru	Nyando	Nyando	1GC	M/P	W,I,P	784	59.0	515	20.2	38.8	4,412	9		
52	Nyando	Nyando	Nyando	1GD	F/S	W,I,P,F	1,322	325.0	515	34.0	291.0	14,272	20	to 2nd Screening	
53	Awasi	Nyando	Nyando	1GD	M/P	I,P,F	1,509	200.0	570	43.0	157.0	8,956	18	to 2nd Screening	
54	* Fort Ternan	Nyando	unknown	1GG	-	W	341	4.9	406	6.9	(2.0)	536	(4)		
55	* Hamilton	Nyando	unknown	1GG	-	W	99	20.5	406	2.0	18.5	1,671	11		
56	* Masibun	Nyando	unknown	1GG	-	W	92	3.2	406	1.9	1.3	531	3		
57	* Siret	Nyando	unknown	1GG	-	W	113	21.0	406	2.3	18.7	3,152	6		
58	Kibos	Kibos	Kibos	1HA	M/P	W	179	28.9	250	2.2	26.7	415	64	to 2nd Screening	
59	Itare	Sondu	Itare	1JA	M/P	W	185	270.0	120	1.1	268.9	9,700	28	to 2nd Screening	
60	* Koiwa	Sondu	Itare	1JA	-	W	522	24.5	120	3.1	21.4	302	71	to 2nd Screening	
61	* Chemelet	Sondu	Itare	1JB	-	W	767	16.0	120	4.6	11.4	1,128	10		
62	* Chemosit	Sondu	Chemosit	1JB	-	W	19	42.5	120	0.1	42.4	3,762	11		
63	Mau Forest	Sondu	Timbiliti	1JC	M/P	W	45	20.5	120	0.3	20.2	1,345	15	to 2nd Screening	
64	Timbiliti	Sondu	Timbiliti	1JC	Pre-F/S	W	33	15.0	120	0.2	14.8	1,100	13	to 2nd Screening	
65	* Sambret	Sondu	Timbiliti	1JC	-	W	50	5.8	120	0.3	5.5	953	6		
66	* Cheyemen	Sondu	Timbiliti	1JC	-	W	71	6.0	120	0.4	5.6	831	7		
67	* Masabet	Sondu	Kitoi	1JC	-	W	138	20.5	570	3.9	16.6	1,242	13		
68	* Majengo	Sondu	Dimlitch	1JC	-	W	88	14.0	120	0.5	13.5	2,472	5		
69	Sisei	Sondu	Sisei	1JE	Pre-F/S	W	557	45.0	500	13.9	31.1	322	97	to 2nd Screening	
70	Yurith	Sondu	Yurith	1JD	M/P	P	1,358	41.0	570	38.7	2.3	1,036	2		
71	Orokiet	Sondu	Kipsonoi/Sondu	1JF	M/P	W,P	1,081	110.0	678	36.7	73.3	922	80	to 2nd Screening	
72	* Kapkoros	Sondu	Kipsonoi	1JF	-	W	327	63.0	120	2.0	61.0	1,797	34	to 2nd Screening	
73	* Satiet	Sondu	Kipsonoi	1JF	-	W	234	41.0	120	1.4	39.6	3,909	10		
74	* Sotik	Sondu	Kipsonoi	1JF	-	W,I	1,131	36.0	570	32.2	3.8	270	14		
75	Magwagwa	Sondu	Sondu	1JG	F/S	P,I	3,160	975.0	640	101.1	873.9	9,395	93	to 2nd Screening	
76	* Bunyunyu	Kuja	Kuja	1KB	-	W	120	16.5	570	3.4	13.1	221	59	to 2nd Screening	
77	* Macalder	Kuja	Kuja	1KB	-	W	3,080	43.0	678	104.5	(61.5)	541	(114)		
78	* Nyakorere	Kuja	Kuja	1KB	-	W	906	21.0	515	23.3	(2.3)	1,086	(2)		
79	* Mochengo	Kuja	Kuja	1KB	-	W	1,042	320.0	515	26.8	293.2	3,776	78	to 2nd Screening	
80	* Katieno	Kuja	Kuja	1KB	-	W	3,002	1,480.0	515	77.3	1,402.7	3,287	427	to 2nd Screening	
81	* Nyamagwa	Kuja	Kuja	1KB	-	W	457	12.5	515	11.8	0.7	1,615	0		
82	* Karapolo	Kuja	Kuja	1KB	-	W	6,032	321.0	624	188.2	132.8	3,890	34	to 2nd Screening	
83	Namba Kodero	Kuja	Higori	1KC	M/P	P,I,F	2,769	305.0	250	34.6	270.4	1,578	171	to 2nd Screening	
84	Oi Ngobor	Kuja	Higori	1KC	M/P	P	1,240	650.0	352	21.8	628.2	6,129	102	to 2nd Screening	
85	Nyangores	Mara	Nyangores	1LA1	M/P	W,I	681	1.2	120	4.1	(2.9)	11	(262)		
86	Bomet	Mara	Nyangores	1LA1	M/P	W	678	5.5	120	4.1	1.4	90	16	to 2nd Screening	
87	Tenwek	Mara	Nyangores	1LA1	M/P	P	635	295.0	120	3.8	291.2	5,543	53	to 2nd Screening	
88	* Merigit	Mara	Chepkositonik	1LA1	-	W	83	290.0	120	0.5	289.5	3,617	80	to 2nd Screening	
89	Mara Bridge	Mara	Mara	1LA2	M/P	W,I	2,812	200.0	120	16.9	183.1	4,319	42	to 2nd Screening	
90	* Ngobor	Mara	Oi Ongafaniet	1LA3	-	P,W	731	790.0	120	4.4	785.6	4,291	183	to 2nd Screening	
91	* Kapkimolwa	Mara	Amala	1LB1	-	W	655	12.0	120	3.9	8.1	149	54	to 2nd Screening	
92	* Sitotwet	Mara	Amala	1LB1	-	W	473	45.0	120	2.8	42.2	2,402	18	to 2nd Screening	
93	Amala	Mara	Amala	1LB1	Pre-F/S	W	475	37.0	25	0.6	36.4	1,853	20	to 2nd Screening	
94	* Regero	Mara	Regero	1LB2	-	W	5	72.0	406	0.1	71.9	1,558	46	to 2nd Screening	

Source: MOHD, NWCP, LBDA, KVDA, MOE

Notes : \* Damsites newly identified in the Study.

/1 The damsites was recommended as a run-of-river type hydropower scheme in the previous study (Ref.H.5).

/2 The damsites was recommended as a run-of-river type hydropower scheme in the previous study (Ref.H.5).

SE index in the parenthesis above shows negative, i.e., active storage capacity is evaluated to be negative.

## Appendix H.6

## Results of First Screening for Prospective Damsites (2/5)

## II. Rift Valley Drainage Area

FIRST SCREENING (TOPO-MAX.)																	
Item No.	Damsite	River Basin	River	Sub-basin (Dam-site)	Scheme Purpose	Stage	Catchment Area	FIRST SCREENING (TOPO-MAX.)					Dam Storage	Efficiency (SE)	Results		
								W/I P/F	Gross Storage (1)	Specific Sediment (m3/Km2 /yr)	Dead Storage (2)	Active Storage (1)-(2)					
																Embankment Volume (3)	((1)-(2)) / (3)
1	* Mbanga	Turkwe	Morun	2BA	-	W	109	125.0	406	2.2	122.8	4,741	26	to 2nd Screening			
2	Moruny	Turkwe	Morun	2BA	M/P	W, I	388	105.0	406	7.9	97.1	3,593	27	to 2nd Screening			
3	* Marun	Turkwe	Lang	2BA	-	W, I	564	740.0	406	11.5	728.5	17,087	43	/1			
4	* Kabichich	Turkwe	Morun	2BA	-	W	133	32.5	406	2.7	29.8	1,842	16	to 2nd Screening			
5	* Ortum	Turkwe	Morun	2BA	-	W	615	28.0	406	12.5	15.5	894	17	to 2nd Screening			
6	Wei Wei	Turkwe	Wei Wei	2BB	M/P	W	200	16.5	406	4.1	12.4	845	15	to 2nd Screening			
7	* Kipsang	Kerio	Kipsang	2CB	-	W	66	18.8	1,035	3.4	15.4	900	17	to 2nd Screening			
8	* Tuyobet	Kerio	Kerio	2CB	-	W	674	58.0	1,273	42.9	15.1	1,016	15	to 2nd Screening			
9	* Kiptunol 1	Kerio	Kiptunol	2CB	-	W	64	65.0	1,035	3.3	61.7	2,883	21	to 2nd Screening			
10	* Kiptunol 2	Kerio	Kiptunol	2CB	-	W	59	20.0	1,035	3.1	16.9	1,469	12				
11	Kimwarer	Kerio	Kimwarer	2CB	F/S	P, I, W	160	137.0	920	7.4	129.6	4,425	29	to 2nd Screening			
12	* Kapkalelwa	Kerio	Chemosusu	2CB	-	W	21	1.1	1,035	1.1	(0.0)	65	(0)				
13	Kerio A	Kerio	Kerio	2CB/2CC	M/P	P	2,442	450.0	1,273	155.5	294.5	1,328	222	/2			
14	* Arror	Kerio	Arror	2CC	-	W	35	8.0	120	0.2	7.8	263	30	to 2nd Screening			
15	* Kapsowar	Kerio	Arror	2CC	-	W	256	20.0	120	1.5	18.5	2,648	7				
16	Sererwa	Kerio	Arror	2CC	F/S	P, I	185	150.0	950	8.8	141.2	8,952	16	to 2nd Screening			
17	* Lokori	Kerio	Kerio	2CC	-	I, W	6,507	150.0	406	132.2	17.8	576	31	to 2nd Screening			
18	* Embobut	Kerio	Embobut	2CC	-	P, I, W	18	36.0	120	0.1	35.9	3,131	11				
19	* Kamukuny	Kerio	Kerio	2CC	-	W	6,024	720.0	406	122.3	597.7	1,923	311	to 2nd Screening			
20	* Tirioke	Suguta	Kapedo	2D	-	W	53	70.0	406	1.1	68.9	2,996	23	to 2nd Screening			
21	Waseges No.3	Waseges	Waseges	2EB	M/P	W	321	72.5	624	10.0	62.5	1,403	45	to 2nd Screening			
22	Waseges	Waseges	Waseges	2EB	M/P	W, I	433	27.0	624	13.5	13.5	846	16	to 2nd Screening			
23	* Siracho	Waseges	Waseges	2EB	-	W	473	42.5	624	14.8	27.7	3,207	9				
24	Waseges Alts	Waseges	Waseges	2EB	M/P	W	361	112.5	624	11.3	101.2	7,485	14				
25	* Chepkungul	Perkerra	Chemosusu	2ED	-	W	148	27.5	406	3.0	24.5	2,033	12				
26	* Sigoro	Perkerra	Perkerra	2ED	-	W	419	45.0	406	8.5	36.5	5,965	6				
27	* Sabor	Maoi	Maoi	2EE	-	W	81	33.5	624	2.5	31.0	3,220	10				
28	Aram	Perkerra	Perkerra	2EE	M/P	W	501	185.0	624	15.6	169.4	7,480	23	to 2nd Screening			
29	* Kibias	Perkerra	Perkerra	2EE	-	W	496	12.5	624	15.5	(3.0)	363	(8)				
30	* Marigat	Perkerra	Perkerra	2EE	-	W	1,352	2.0	624	42.2	(40.2)	85	(473)				
31	Ratat 2	Perkerra	Perkerra	2EE	M/P	W, I	1,001	29.3	624	31.2	(1.9)	878	(2)				
32	Ratat 1	Perkerra	Perkerra	2EE	M/P	W, I	1,068	96.0	624	33.3	62.7	1,697	37	to 2nd Screening			
33	Molo	Molo	Molo	2EG1	M/P	W, I	395	26.2	406	8.0	18.2	2,442	7				
34	Mau Stream	Molo	Mau Stream	2EG1	Pre-F/S	W	108	4.7	120	0.6	4.1	1,303	3	to 2nd Screening			
35	* Lelen	Molo	Molo	2EG2	-	W	1,407	30.0	624	43.9	(13.9)	1,242	(11)				
36	* Kapsonget	Molo	Molo	2EG2	-	W	1,444	13.0	624	45.1	(32.1)	567	(56)				
37	Sitet	Mutaran	Mutaran	2EG2	M/P	W	1,365	18.0	624	42.6	(24.6)	223	(110)				
38	Mutaran	Mutaran	Ol Arabel	2EK	M/P	W, I	403	28.5	515	10.4	18.1	622	29	to 2nd Screening			
39	* Marmanet F.	Ol Arabel	Ol Arabel	2EK	-	-	121	26.0	120	0.7	25.3	2,130	12				
40	* Enderit No.1	Enderit	Enderit	2FC	-	W	136	25.0	120	0.8	24.2	2,078	12				
41	* Enderit No.2	Enderit	Enderit	2FC	-	W	50	25.0	120	0.3	24.7	1,142	22	to 2nd Screening			
42	* Gitanguin	Enderit	Gitanguin	2FC	-	W	30	117.0	120	0.2	116.8	7,821	15	to 2nd Screening			
43	Malawa	Malawa	Malawa	2GB	F/S	W	635	74.0	406	12.9	61.1	1,092	56	to 2nd Screening			
44	Upper Narok	E.Ngiro S.	Enkare Narok	2KA	Pre-F/S	W	516	92.5	120	3.1	89.4	4,306	21	to 2nd Screening			
45	* Lower Narok	E.Ngiro S.	Ewaso Narok	2KA	-	W	633	40.0	120	3.8	36.2	1,456	25	to 2nd Screening			
46	* Olosoisho	E.Ngiro S.	Enkare Narok	2KA	-	-	329	25.0	150	2.5	22.5	585	39	to 2nd Screening			
47	Leshota	E.Ngiro S.	E.Ngiro S.	2KB	Pre-F/S	P, I	5,119	515.0	250	64.0	451.0	14,190	32	to 2nd Screening			
48	Oldorko	E.Ngiro S.	E.Ngiro S.	2KB	Pre-F/S	P, I	5,696	600.0	250	71.2	528.8	5,885	90	to 2nd Screening			

Source: MOWD, NWCPC, LBDA, KVDA, MOE

Notes : \* Damsites newly identified in the Study.

SE index in the parenthesis above shows negative, i.e., active storage capacity is evaluated to be negative.

/1 Limestone dam foundation (refer to Sectoral Report (J))

/2 Fault problem at the damsites (refer to Sectoral Report (J))

## Appendix H.6

## Results of First Screening for Prospective Damsites (3/5)

## III. Athi River Drainage Area

FIRST SCREENING (TOPO-MAX.)														
No.	Damsites	River Basin	River	Sub-basin	Scheme Purpose	Catchment	Area							
							W/I P/F	Reservoir Storage	Storage Capacity			Dam Embankment Volume (3)	Storage Efficiency (SE) ((1)-(2)) /(3)	Results
									Gross Storage (1) (km2)	Specific Sediment (m3/Km2 /yr)	Dead Storage (2) (mcm)			
1	Upper Athi	Athi	Nairobi	3AA	Pre-F/S	W	400	27	120	3.0	24.0	171	140	to 2nd Screening
2	* Kikuyu	Athi	Nairobi	3BA	-	-	81	21	120	0.5	20.0	250	80	to 2nd Screening
3	Ruiru A	Athi	Ruiru	3BC	M/P	W	202	20	120	1.2	18.5	1,528	12	
4	* Kiarie	Athi	Ruabura	3BD	-	-	55	11	120	0.3	10.2	443	23	to 2nd Screening
5	Nyamangara	Athi	Ndarugu	3CB	M/P	W	198	12	120	1.2	10.3	345	30	to 2nd Screening
6	Ndarugu 1	Athi	Ndarugu	3CB	M/P	W, I	360	280	515	9.3	270.7	1,635	166	to 2nd Screening
7	Ndarugu 2	Athi	Ndarugu	3CB	M/P	W	84	21	515	2.2	18.3	808	23	to 2nd Screening
8	Munyu	Athi	Athi	3DA	F/S	W, I, P	5,590	625	200	55.9	569.1	2,960	192	to 2nd Screening
9	* Thwake 1	Athi	Athi	3DB	-	-	7,230	70	250	90.4	(20.4)	2,738	(7)	
10	* Ikiwe	Athi	Ikiwe	3EA	-	-	373	50	1,000	18.7	31.4	1,207	26	to 2nd Screening
11	* Maluva	Athi	Thwake	3EA	-	-	883	22	1,000	44.2	(22.2)	781	(28)	
12	* Mbuuni	Athi	Thwake	3EA	-	-	398	19	1,000	19.9	(0.9)	235	(4)	
13	Kiteta	Athi	Nga	3EB	F/S	W	72	19	1,000	3.6	14.9	438	34	to 2nd Screening
14	* Ngwani	Athi	Thwake	3EB	-	-	1,178	28	1,000	58.9	(30.9)	296	(104)	
15	Thwake	Athi	Athi	3FA	M/P	I, P	10,276	615	230	118.2	496.8	8,765	57	to 2nd Screening
16	Yatta	Athi	Athi	3FB	M/P	I, W, P	20,000	500	100	100.0	400.0	7,016	57	to 2nd Screening
17	* Yatta 1	Athi	Athi	3FA	-	-	10,918	133	200	109.2	23.8	2,006	12	
18	Tsavo	Athi	Tsavo	3G	F/S	W	4,050	39	40	8.1	30.9	274	113	to 2nd Screening
19	Tsavo I	Athi	Tsavo	3G	M/P	W	5,514	135	624	172.0	(37.0)	1,023	(36)	
20	Baricho	Athi	Sebak	3HD	M/P	W, P	34,240	1,930	650	1,112.8	817.2	3,333	245	to 2nd Screening
21	Konjora	Voi/Rare	Rare	3LA	M/P	I, W	6,574	43	1,060	348.3	(305.3)	367	(833)	
22	Hagononi	Voi/Rare	Rare	3LA	M/P	I, W	6,554	29	1,060	347.2	(318.2)	413	(771)	
23	* Ndzobuni	Voi/Rare	Ndzobuni	3LA	-	-	604	90	1,060	32.0	58.0	1,904	30	to 2nd Screening
24	Rare	Voi/Rare	Voi/Rare	3LA	F/S	W	1,500	40	80	6.0	34.0	337	101	to 2nd Screening
25	Mwachi	Mwachi	Mwachi	3MB	M/P	W	7,141	118	100	35.7	82.3	3,060	27	to 2nd Screening
26	Kadingo	Penba	Penba	3MC	-	W	825	120	624	25.7	94.3	2,333	40	to 2nd Screening
27	Penba	Penba	Penba	3MC	M/P	W, I	866	150	624	27.0	123.0	2,368	52	to 2nd Screening

Source: HOWD, NWCP, TARD

Notes : \* Damsites newly identified in the Study.

SE index in the parenthesis above shows negative, i.e., active storage capacity is evaluated to be negative.

## Appendix H.6

## Results of First Screening for Prospective Damsites (4/5)

## IV. Tana River Drainage Area

FIRST SCREENING (TOPO-MAX.)																	
No.	Damsites	River Basin	River	Sub-basin	Scheme Stage	Purpose	Catchment Area	Reservoir Storage Capacity				Dam Storage	Efficiency	Results			
								W/I P/F	Gross Storage (1)	Specific Sediment (m3/Km2 /yr)	Dead Storage (2)				Active Storage (1)-(2)		
																Embankment Volume (3)	(SE) ((1)-(2)) / (3)
				(Dam-site)			(km2)	(mcm)	(mcm)	(mcm)	(1000m3)						
1	* Gitumbi	Tana	Amboni	4AB	-	W	666	130	120	4	126	2,980	42	to 2nd Screening			
2	* Nderitu	Tana	Amboni	4AB	-	W	374	90	120	2	88	2,606	34	to 2nd Screening			
3	* Rutura	Tana	Chanya	4AC	-	W	195	14	120	1	13	2,772	5				
4	* Kirurumi	Tana	Chanya	4AC	-	W	177	7	120	1	6	954	6				
5	* Gatitu	Tana	Chanya	4AC	-	W	231	53	120	1	52	1,875	28	to 2nd Screening			
6	* Kigoini	Tana	Chinga	4AD	M/P	W	31	7	120	0	7	225	29	to 2nd Screening			
7	* Gikira	Tana	Gikira	4AD	-	W	114	36	120	1	35	2,501	14				
8	* S.Mathioya	Tana	S.Mathioya	4BD	-	W	55	9	250	1	8	818	10				
9	* Muhitu	Tana	Gondo	4BD	-	W	65	22	250	1	21	2,650	8				
10	* Koimbi	Tana	Mukungai	4BD	-	W	23	19	250	0	19	4,131	5				
11	* Muringaini	Tana	S.Mathioya	4BD	-	W	141	44	250	2	42	5,828	7				
12	* Kamukabi	Tana	Iratl	4BE	-	W	77	105	250	1	104	10,568	10				
13	* Kiringa	Tana	Kiahuha	4BE	-	W	50	12	250	1	11	3,211	4				
14	Maragua 8	Tana	Maragua	4BE	M/P	W	210	140	250	3	137	7,668	18	to 2nd Screening			
15	Maragua 4	Tana	Maragua	4BE	M/P	W	76	26	250	1	25	3,595	7				
16	* Kiiriangoro	Tana	Iratl	4BE	-	W	96	38	250	1	37	3,947	9				
17	* Saba Saba	Tana	Saba Saba	4BF	-	W	180	54	350	3	51	2,130	24	to 2nd Screening			
18	* Githima	Tana	Githima	4BF	-	W	5	19	350	0	19	1,406	13				
19	Chania B	Tana	Chania	4CA	M/P	W	338	56	120	2	54	4,193	13				
20	* Sasumua A	Tana	Chania	4CA	-	W	130	11	120	1	10	1,113	9				
21	Chania A	Tana	Chania	4CA	M/P	W	233	16	120	1	15	2,764	5				
22	Kimakia	Tana	Kimakia	4CA	M/P	W	28	24	120	0	24	3,040	8				
23	Ndiara	Tana	Ndiara	4CA	M/P	W	43	12	120	0	12	1,500	8				
24	* Kigoro	Tana	Thika	4CB	-	W	119	53	250	1	51	8,036	6				
25	Thika 3A	Tana	Thika	4CB	M/P	W	296	23	270	4	19	842	23	to 2nd Screening			
26	* Ndakaini	Tana	Thika	4CB	-	-	27	15	250	0	14	1,605	9				
27	* Mukurue	Tana	Thika	4CB	-	W	134	12	250	2	10	909	11				
28	* Kiketani	Tana	Thika	4CC	-	W	1,430	130	250	18	112	4,153	27	to 2nd Screening			
29	Thiba	Tana	Thiba	4DA	F/S	I	173	18	150	1	17	1,350	12	to 2nd Screening (F/S)			
30	* Siakago	Tana	Ena	4EC	-	-	408	1,120	350	7	1,113	10,262	108	to 2nd Screening			
31	Karura	Tana	Tana	4ED	M/P	P	11,802	72	300	177	(105)	1,050	(100)				
32	* Kamogo	Tana	Thura	4ED	-	-	250	53	350	4	49	1,866	26	to 2nd Screening			
33	* Karambari	Tana	Thura	4ED	-	-	130	73	350	2	71	2,295	31	to 2nd Screening			
34	Mutonga	Tana	Tana	4FA	Pre-F/S	P	15,329	122	350	59	63	700	90	to 2nd Screening			
35	Grand Falls (High)	Tana	Tana	4FB	Pre-F/S	P,W,I,F	17,459	5,325	842	231	5,094	30,000	170	to 2nd Screening			
35	Grand Falls (Low)	Tana	Tana	4FB	Pre-F/S	P,W,I,F	17,459	1,359	842	231	1,128	8,000	141	to 2nd Screening			
36	Usueni	Tana	Tana	4FB	M/P	P,W	18,690	800	842	283	517	10,000	52	to 2nd Screening			
37	Adamson Falls	Tana	Tana	4GA	M/P	P	21,462	1,009	842	400	609	2,910	209	to 2nd Screening			
38	Kora	Tana	Tana	4GB	M/P	P,W,I,F	24,874	1,172	842	543	629	3,600	175	to 2nd Screening			
39	* Kavgongo	Tana	Tiva	4HA	-	-	1,644	32	350	29	3	305	11				

Source : MOWD, NWCPD, MOE, TARDA, NIB, NCC

Notes : \* Damsites newly identified in the Study.

SE index in the parenthesis above shows negative, i.e., active storage capacity is evaluated to be negative.

## Appendix H.6

## Results of First Screening for Prospective Damsites (5/5)

## V. Ewaso Ng'iro North River Drainage Area

FIRST SCREENING (TOPO-MAX.)														
No.	Damsites	River Basin	River	River Basin Code (Dam-site)	Scheme Stage	Purpose W/I P/F	Catchment Area (km2)	Reservoir Storage Capacity				Dam Embankment Volume (1000m3)	Storage Efficiency (SE) ((1)-(2))/(3)	Results
								Gross Storage (1) (mcm)	Specific Sediment (2) (m3/Km2 /yr)	Dead Storage (3) (mcm)	Active Storage (1)-(2) (mcm)			
1 *	Oi Bolossat	E.Ngiro	Oi Bolossat	5AA	-	-	77	6.3	120	0.5	5.8	410	14	
2	Rumuruti	E.Ngiro	E.Narok	5AA	F/S	W,I,P	680	18.6	45	1.5	17.1	873	20	to 2nd Screening
3	Nyahururu	E.Ngiro	Nyahururu	5AA	M/P	W	29	10.0	120	0.2	9.8	67	146	to 2nd Screening
4 *	Oraimutia	E.Ngiro	Oraimutia	5AA	-	-	35	21.0	120	0.2	20.8	636	33	to 2nd Screening
5	Gage	E.Ngiro	E.Narok	5AC	M/P	W,I,P	3,290	53.0	406	66.8	(13.8)	654	(21)	
6	Kihoto	E.Ngiro	E.Ngiro	5BC	M/P	P,I	2,842	730.0	406	57.7	672.3	6,756	100	to 2nd Screening
7 *	Swari	E.Ngiro	E.Ngiro	5CB	-	-	3,983	180.0	406	80.9	99.1	3,466	29	to 2nd Screening
8 *	Trillo	E.Ngiro	E.Ngiro	5CB	-	-	209	37.0	406	4.2	32.8	1,196	27	to 2nd Screening
9 *	Barsaloi	E.Ngiro	Barsaloi	5CC	-	I,W	2,059	250.0	406	41.8	208.2	4,640	45	to 2nd Screening
10 *	Milgis	E.Ngiro	Milgis	5CC	-	I,W	7,878	520.0	406	160.0	360.0	4,209	86	to 2nd Screening
11	Archers Post	E.Ngiro	E.Ngiro	5DA	M/P	P	15,300	525.0	406	310.7	214.3	10,620	20	to 2nd Screening
12 *	Sinyai	E.Ngiro	Sinyai	5DB	-	W,I	557	110.0	406	11.3	98.7	6,390	15	to 2nd Screening
13	Crocodile Jaws	E.Ngiro	E.Ngiro	5DC	M/P	P	8,583	196.0	406	174.3	21.7	4,104	5	
14	Kirimun	E.Ngiro	E.Ngiro	5DC	M/P	P	8,825	117.0	406	179.2	(62.2)	19,629	(3)	
15	Ngadurumuto	E.Ngiro	E.Ngiro	5DC/5BC/5BE	M/P	I,P	4,230	160.0	406	85.9	74.1	2,384	31	to 2nd Screening
16 *	Tulolong	E.Ngiro	E.Ngiro	5DD	-	I,W	9,052	270.0	406	183.8	86.2	4,340	20	to 2nd Screening
17 *	Longopito	E.Ngiro	E.Ngiro	5DD	-	-	8,917	33.0	406	181.1	(148.1)	1,104	(134)	
18 *	Lokomon	E.Ngiro	E.Ngiro	5DD	-	I,W	9,511	71.0	406	193.2	(122.2)	1,767	(69)	

Source : MOWD, MNCPC, MOE

Notes : \* Damsites newly identified in the Study.

SE index in the parenthesis above shows negative, i.e., active storage capacity is evaluated to be negative.

## **APPENDIX H.7**

### **Results of Second Screening for Prospective Damsites**





## Appendix H.7

## Results of Second Screening for Prospective Damsites (1/5)

## I. Lake Victoria Drainage Area

SECOND SCREENING													
No.	Damsites	River Basin	River	River Basin Code (Dam-site)	Catchment Area		Annual Natural Mean Discharge (at Damsite)	Reservoir Yield	Annual Flow Volume (Damsite)	Required Storage (2)	Topo-max. Active Storage Capacity (1)	(Yield)/ (Dam Embankment Volume) X 1000	Results
					(km2)	(cms)							
1	* Kipnai	Nzoia	MoiBen	1BA	76	0.3	24,680	23,446	8.6	3.1	62.0	-	
2	* Chebara	Nzoia	MoiBen	1BA	190	0.7	61,699	58,614	21.4	7.7	13.9	2,931	to 3rd Screening
3	MoiBen	Nzoia	MoiBen	1BA	188	0.7	61,050	57,997	21.2	7.6	23.6	290	to 3rd Screening
4	* Cheblemit	Nzoia	MoiBen	1BA	229	0.9	74,364	70,645	25.8	9.3	41.6	-	
5	* Makutano	Nzoia	MoiBen	1BA	48	0.2	15,587	14,808	5.4	1.9	15.2	-	
6	* Chebororwa I	Nzoia	Nzoia/MoiBen	1BB	814	5.8	499,654	474,672	173.3	62.4	11.0	-	
7	Lower MoiBen	Nzoia	Nzoia/MoiBen	1BB	644	4.6	395,304	375,539	137.1	49.3	52.7	250	to 3rd Screening
8	* Losorua	Nzoia	Losorua	1BB	89	0.6	54,631	51,899	18.9	6.8	14.2	-	
9	* Kiptaberr	Nzoia	Losorua	1BB	60	0.4	36,830	34,988	12.8	4.6	18.6	292	to 3rd Screening
10	* Kapcherop	Nzoia	Losorua	1BB	75	0.5	46,037	43,735	16.0	5.7	12.6	219	
11	* Maji Mazuri	Nzoia	Nzoia	1BB	1,343	9.5	824,368	783,150	285.8	102.9	2.7	-	
12	* Noigameget	Nzoia	Noigameget	1BC	546	5.2	449,989	427,489	156.0	70.2	30.9	-	
13	* Longteat	Nzoia	Noigameget	1BC	191	1.8	157,414	149,543	54.6	24.6	46.1	554	to 3rd Screening
14	Hemsted's Brg.	Nzoia	Nzoia	1BD	3,825	22.3	1,925,735	1,829,449	667.7	213.7	193.1	-	
15	Moi's Brg.	Nzoia	Koitobos	1BE	858	4.4	378,852	359,910	131.4	76.2	2,182.6	343	to 3rd Screening
16	* Naisabu	Nzoia	Koitobos	1BE	739	3.8	326,307	309,992	113.1	65.6	145.0	2,696	to 3rd Screening
17	Rongai	Nzoia	Nzoia	1BG	4,916	28.8	2,492,299	2,243,070	818.7	491.2	413.7	-	
18	* Kaptama	Nzoia	Sosio	1BH	99	0.7	56,546	53,718	19.6	8.4	4.4	-	
19	Sergoit (No.1)	Nzoia	Sergoit	1CA	659	2.8	241,617	229,536	83.8	44.4	39.4	-	
20	Sergoit (No.2)	Nzoia	Sergoit	1CA	390	1.7	142,990	135,841	49.6	26.3	(4.2)	-	
21	Endoroto	Nzoia	Endoroto	1CB	58	0.3	26,319	25,003	9.1	5.2	0.1	-	
22	* Kibolo	Nzoia	Sosiani	1CB	609	3.2	276,349	262,531	95.8	53.7	54.3	250	to 3rd Screening
23	Kisongi (No.7)	Nzoia	Kisongi	1CC	119	0.8	66,754	63,416	23.1	12.3	1.7	-	
24	Kerita (No.8)	Nzoia	Kerita	1CC	104	0.7	58,339	55,422	20.2	10.7	(0.0)	-	
25	* Nureri	Nzoia	Nureri	1CC	493	3.2	276,551	262,723	95.9	50.8	5.0	-	
26	* Kormaat	Nzoia	Kipkaren	1CD	807	5.3	459,414	436,443	159.3	79.7	19.2	-	
27	Lugari	Nzoia	Nzoia	1DA	8,300	54.7	4,729,483	4,493,009	1,639.9	705.2	309.3	-	
28	Webuye Falls	Nzoia	Nzoia	1DA	8,420	55.5	4,797,861	4,557,968	1,663.7	715.4	(224.3)	-	
29	Teremi	Nzoia	Kuywa	1DB	138	1.1	95,540	90,763	33.1	15.9	3.0	-	
30	* Mukulusi	Nzoia	Isiukhu	1EA	341	9.7	838,441	754,597	275.4	99.2	28.4	-	
31	* Shibe	Nzoia	Isiukhu	1EB	142	3.4	296,458	281,636	102.8	37.0	9.2	-	
32	* Indangalasia	Nzoia	Lusumu	1ED	644	14.9	1,285,111	1,220,856	445.6	156.0	(15.1)	-	
33	Rambula	Nzoia	Nzoia	1EE	11,849	103.4	8,931,774	8,485,186	3,097.1	1,053.0	163.7	-	
34	Ukiru	Yala	Nderuguti	1FA	45	0.4	31,532	29,956	10.9	4.9	15.7	-	
35	* Kosirai	Yala	Kingwal/Yala	1FB	346	2.8	240,840	216,756	79.1	34.0	181.1	2,168	to 3rd Screening
36	* Kabongwa	Yala	Kaboen	1FC	63	0.5	44,680	42,446	15.5	7.3	30.4	1,698	
37	* Kimondi	Yala	Kimondi	1FC	692	5.7	490,770	466,232	170.2	80.0	774.2	2,220	to 3rd Screening
38	Nandi Forest	Yala	Yala	1FD	1,339	31.5	2,724,302	2,588,087	944.7	444.0	467.0	431	to 3rd Screening
39	* Shikondi	Yala	Yala	1FE	1,693	19.9	1,715,583	1,544,025	563.6	169.1	121.9	-	
40	Mushangumbo	Yala	Yala	1FE	1,987	23.3	2,013,504	1,912,829	698.2	209.5	210.3	981	to 3rd Screening
41	Gongo	Yala	Yala	1FG	2,351	26.6	2,297,097	2,182,242	796.5	199.1	165.6	-	
42	* Uranga	Yala	Yala	1FG	2,385	27.0	2,330,318	2,213,802	808.0	210.1	218.3	2,574	to 3rd Screening
43	* Songhor	Nyando	Ainobngetuny	1GA	50	0.2	19,828	17,449	6.4	2.3	34.7	-	
44	* Old Sikh	Nyando	Kipkurere	1GA	141	0.6	55,915	49,205	18.0	6.5	7.2	-	
45	Tinderet Forest	Nyando	Ainobngetuny	1GA	30	0.1	11,897	10,469	3.8	1.4	14.8	-	
46	Twin Brg.	Nyando	Ainopngetui	1GB	584	3.8	325,410	292,869	106.9	38.5	453.4	133	to 3rd Screening
47	* Tugunon	Nyando	Nyando	1GC	606	4.4	382,393	325,034	118.6	74.7	78.9	102	
48	* Kimasian	Nyando	Nyando	1GC	186	1.4	117,368	99,763	36.4	22.9	61.9	178	to 3rd Screening
49	* Kipkoyo	Nyando	Kipkoyo	1GC	58	0.4	36,599	31,109	11.4	7.2	78.7	-	
50	Londiani	Nvando	Kiochorian	1GC	71	0.5	44,802	38,082	13.9	8.8	81.4	119	to 3rd Screening

## Appendix H.7

## Results of Second Screening for Prospective Damsites (1/5)

## I. Lake Victoria Drainage Area

## SECOND SCREENING

No.	Damsites	River		River Catchment		Annual Natural		Reservoir Yield	Annual Flow Volume	Required Storage	Topo-max. Active Storage Capacity	(Yield)/ (Dam Embank- ment Volume) X 1000	Results
		Basin	River	Basin Code (Dam- site)	Area	Mean Discharge							
						(at Damsite)							
					(km2)	(cms)	(m3/day)						
51	Koru	Nyando	Nyando	IGC	784	5.7	494,713	445,242	162.5	74.8	38.8	-	to 3rd Screening
52	Nyando	Nyando	Nyando	IGD	1,322	8.4	725,962	653,366	238.5	109.7	291.0	96	
53	Awas	Nyando	Nyando	IGD	1,509	9.6	828,651	745,786	272.2	125.2	157.0	96	
54 *	Fort Ternan	Nyando	unknown	IGG	341	1.7	146,134	131,520	48.0	22.1	(2.0)	-	
55 *	Hamilton	Nyando	unknown	IGG	99	0.5	42,426	36,062	13.2	8.3	18.5	-	
56 *	Masibun	Nyando	unknown	IGG	92	0.5	39,426	33,512	12.2	7.7	1.3	-	
57 *	Siret	Nyando	unknown	IGG	113	0.6	48,426	41,162	15.0	9.5	18.7	-	
58	Kibos	Kibos	Kibos	IHA	179	2.3	199,340	179,406	65.5	15.7	26.7	83	to 3rd Screening
59	Itare	Sondu	Itare	IJA	185	3.8	330,774	314,235	114.7	45.9	268.9	53	to 3rd Screening
60 *	Koiwa	Sondu	Itare	IJA	522	10.8	933,319	886,653	323.6	132.7	21.4	-	
61 *	Chemelet	Sondu	Itare	IJB	767	15.7	1,353,572	1,285,893	469.4	159.6	11.4	-	
62 *	Chemosit	Sondu	Chemosit	IJB	19	0.4	33,530	31,854	11.6	4.0	42.4	-	
63	Mau Forest	Sondu	Timbilili	IJC	45	0.8	65,363	62,095	22.7	7.5	20.2	151	
64	Timbilili	Sondu	Timbilili	IJC	33	0.6	47,933	45,537	16.6	5.5	14.8	209	to 3rd Screening
65 *	Sambret	Sondu	Timbilili	IJC	50	0.8	72,626	68,995	25.2	8.3	5.5	-	
66 *	Cheyman	Sondu	Timbilili	IJC	71	1.2	103,129	97,973	35.8	11.8	5.6	-	
67 *	Masabet	Sondu	Kitoi	IJC	138	2.3	200,448	190,426	69.5	22.9	16.6	-	
68 *	Majengo	Sondu	Dimitich	IJC	88	1.5	127,822	121,431	44.3	14.6	13.5	-	
69	Sisei	Sondu	Sisei	IJE	557	5.0	430,453	378,799	138.3	80.2	31.1	-	to 3rd Screening
70	Yurith	Sondu	Yurith	IJD	1,358	11.4	985,740	887,166	323.8	139.2	2.3	-	
71	Orokiet	Sondu	Kipsonoi/Sondu	IJF	1,081	9.1	784,672	706,205	257.8	110.8	73.3	-	
72 *	Kapkoros	Sondu	Kipsonoi	IJF	327	2.7	237,361	213,625	78.0	33.5	61.0	214	to 3rd Screening
73 *	Satiet	Sondu	Kipsonoi	IJF	234	2.0	169,855	152,869	55.8	24.0	39.6	-	
74 *	Sotik	Sondu	Kipsonoi	IJF	1,131	9.5	820,966	738,869	269.7	116.0	3.8	-	
75	Magwagwa	Sondu	Sondu	IJG	3,160	47.2	4,074,257	3,870,544	1,412.7	452.1	873.9	667	to 3rd Screening
76 *	Bunyonyu	Kuja	Kuja	IKB	120	0.7	57,926	55,029	20.1	8.0	13.1	423	to 3rd Screening
77 *	Macalder	Kuja	Kuja	IKB	3,080	17.2	1,486,757	1,412,419	515.5	206.2	(61.5)	-	
78 *	Nyakorore	Kuja	Kuja	IKB	906	5.1	437,338	415,471	151.6	60.7	(2.3)	-	
79 *	Mochengo	Kuja	Kuja	IKB	1,042	5.8	502,987	477,838	174.4	69.8	293.2	-	
80 *	Katieno	Kuja	Kuja	IKB	3,002	16.8	1,449,105	1,376,650	502.5	201.0	1,402.7	1,721	to 3rd Screening
81 *	Nyamagwa	Kuja	Kuja	IKB	457	2.6	220,600	209,570	76.5	30.6	0.7	-	
82 *	Karapolo	Kuja	Kuja	IKB	6,032	33.7	2,911,727	2,766,141	1,009.6	403.9	132.8	-	
83	Namba Kodero	Kuja	Migori	IKC	2,769	16.5	1,426,585	1,326,724	484.3	232.4	270.4	436	to 3rd Screening
84	Ol Ngobor	Kuja	Migori	IKC	1,240	7.4	638,846	594,127	216.9	151.8	628.2	238	
85	Nyangores	Mara	Nyangores	ILA1	681	12.7	1,100,439	1,045,417	381.6	152.6	(2.9)	-	
86	Bomet	Mara	Nyangores	ILA1	678	12.7	1,095,591	1,040,812	379.9	152.0	1.4	-	
87	Tenwek	Mara	Nyangores	ILA1	635	11.9	1,026,107	974,802	355.8	142.3	291.2	325	to 3rd Screening
88 *	Merigit	Mara	Chepositonik	ILA1	83	1.6	134,121	127,415	46.5	18.6	289.5	364	to 3rd Screening
89	Mara Bridge	Mara	Mara	ILA2	2,812	34.5	2,983,519	2,834,343	1,034.5	393.1	183.1	-	
90 *	Ngobor	Mara	Ol Ongaitiet	ILA3	731	5.4	462,395	439,275	160.3	77.0	785.6	732	to 3rd Screening
91 *	Kapkimolwa	Mara	Amala	ILB1	655	8.9	768,018	729,617	266.3	101.2	8.1	-	
92 *	Sitotwet	Mara	Amala	ILB1	473	6.4	554,614	526,884	192.3	73.1	42.2	-	
93	Amala	Mara	Amala	ILB1	475	6.4	556,959	529,111	193.1	73.4	36.4	-	to 3rd Screening
94 *	Regero	Mara	Regero	ILB2	5	0.0	1,670	1,553	0.6	0.4	71.9	19	to 3rd Screening

Source: MOWD, HWPCPC, LBDA, KVDA, MOE

Notes : \* Damsites newly identified in the Study.

## Appendix H.7

## Results of Second Screening for Prospective Damsites (2/5)

## II. Rift Valley Drainage Area

No.	Damsite	River Basin	River	Basin Code (Dam-site)	Catchment Area	SECOND SCREENING							Results
						Annual Mean Discharge (at Damsite)	Natural Reservoir Yield (m3/day)	Annual Flow Volume (Damsite) (mcm)	Required Storage (2) (mcm)	Topo-max. Active Storage Capacity (1) (mcm)	Yield/Dam Embankment Volume X 1000 (RY)		
1	* Mbanga	Turkwe	Morun	2BA	109	0.4	38,142	36,235	13.9	3.1	122.8	81	
2	Moruny	Turkwe	Morun	2BA	388	1.6	135,771	128,983	49.6	10.9	97.1	107	
3	* Marun	Turkwe	Lang	2BA	564	2.3	197,358	187,491	72.0	15.8	728.5	-	
4	* Kabichich	Turkwe	Morun	2BA	133	0.5	46,540	44,213	17.0	3.7	29.8	143	to 3rd Screening
5	* Ortum	Turkwe	Morun	2BA	615	2.5	215,205	204,444	78.5	17.3	15.5	-	
6	Wei Wei	Turkwe	Wei Wei	2BB	200	0.6	49,992	47,492	18.2	4.0	12.4	183	to 3rd Screening
7	* Kipsang	Kerio	Kipsang	2CB	66	0.2	16,062	15,258	5.9	2.5	15.4	57	to 3rd Screening
8	* Tuyobet	Kerio	Kerio	2CB	674	1.9	164,961	156,713	60.2	25.9	15.1	-	
9	* Kiptunol 1	Kerio	Kiptunol	2CB	64	0.2	15,694	14,910	5.7	2.5	61.7	30	
10	* Kiptunol 2	Kerio	Kiptunol	2CB	59	0.2	14,446	13,723	5.3	2.3	16.9	-	
11	Kimwarer	Kerio	Kimwarer	2CB	160	0.5	39,174	37,216	14.3	6.1	129.6	31	to 3rd Screening
12	* Kapkalelwa	Kerio	Chemosusu	2CB	21	0.1	5,215	4,954	1.9	0.8	(0.0)	-	
13	Kerio A	Kerio	Kerio	2CB/2CC	2,442	6.9	597,900	568,005	218.2	93.8	294.5	-	
14	* Arror	Kerio	Arror	2CC	35	0.1	8,569	8,141	3.1	1.0	7.8	181	to 3rd Screening
15	* Kapsowar	Kerio	Arror	2CC	256	0.7	62,679	59,545	22.9	7.3	18.5	-	
16	Sererwa	Kerio	Arror	2CC	185	0.5	45,295	43,031	16.5	5.3	141.2	29	to 3rd Screening
17	* Lokori	Kerio	Kerio	2CC	6,507	18.4	1,593,175	1,513,516	581.5	378.0	17.8	-	
18	* Embobut	Kerio	Embobut	2CC	18	0.1	4,407	4,187	1.6	1.0	35.9	-	
19	* Kamukuny	Kerio	Kerio	2CC	6,024	17.1	1,474,917	1,401,171	538.3	349.9	597.7	1,001	to 3rd Screening
20	* Tirioko	Suguta	Kapedo	2D	53	0.2	12,977	12,328	4.7	3.1	68.9	31	to 3rd Screening
21	Waseges No.3	Waseges	Waseges	2EB	321	0.4	32,551	27,668	11.9	7.7	62.5	51	
22	Waseges	Waseges	Waseges	2EB	433	0.5	43,843	37,267	16.0	10.4	13.5	61	to 3rd Screening
23	* Siracho	Waseges	Waseges	2EB	473	0.6	47,929	40,739	17.5	11.4	27.7	-	
24	Waseges Alts	Waseges	Waseges	2EB	361	0.4	36,555	31,071	13.3	8.7	101.2	-	
25	* Chepkungul	Perkerra	Chemosusu	2ED	148	0.7	61,378	58,309	22.4	12.1	24.5	-	
26	* Sigoro	Perkerra	Perkerra	2ED	419	2.0	174,356	165,638	63.6	34.4	36.5	-	
27	* Sabor	Maoi	Maoi	2EE	81	0.2	14,611	13,881	5.3	2.9	31.0	-	
28	Aram	Perkerra	Perkerra	2EE	501	1.0	90,431	85,909	33.0	17.8	169.4	72	to 3rd Screening
29	* Kibias	Perkerra	Perkerra	2EE	496	1.0	89,510	85,034	32.7	17.6	(3.0)	-	
30	* Marigat	Perkerra	Perkerra	2EE	1,352	2.8	244,237	219,813	89.1	33.9	(40.2)	-	
31	Ratat 2	Perkerra	Perkerra	2EE	1,001	2.1	180,735	162,662	66.0	25.1	(1.9)	-	
32	Ratat 1	Perkerra	Perkerra	2EE	1,068	2.2	192,926	173,634	70.4	26.8	62.7	151	to 3rd Screening
33	Molo	Molo	Molo	2EG1	395	0.5	46,375	44,056	16.9	10.8	18.2	18	
34	Mau Stream	Molo	Mau Stream	2EG1	108	0.1	12,680	12,046	4.6	3.0	4.1	19	to 3rd Screening
35	* Lelen	Molo	Molo	2EG2	1,407	2.5	214,330	192,897	78.2	29.7	(13.9)	-	
36	* Kapsonget	Molo	Molo	2EG2	1,444	2.5	219,935	197,941	80.3	30.5	(32.1)	-	
37	Sitet	Molo	Molo	2EG2	1,365	2.4	207,948	187,153	75.9	28.8	(24.6)	-	
38	Mutaran	Mutaran	Ol Arabel	2EK	403	0.7	59,214	50,332	21.6	14.0	18.1	88	to 3rd Screening
39	* Marmanet F.	Ol Arabel	Ol Arabel	2EK	121	0.2	17,773	15,107	6.5	4.2	25.3	-	
40	* Enderit No.1	Enderit	Enderit	2FC	136	0.6	49,482	47,008	18.1	11.6	24.2	-	
41	* Enderit No.2	Enderit	Enderit	2FC	50	0.2	18,246	17,333	6.7	4.3	24.7	69	to 3rd Screening
42	* Gitanguin	Enderit	Gitanguin	2FC	30	0.1	11,057	10,504	4.0	2.6	116.8	-	
43	Malawa	Malawa	Malawa	2GB	635	1.5	128,330	121,914	46.8	30.0	61.1	174	to 3rd Screening
44	Upper Narok	E.Ngiro S.	Enkare Narok	2KA	516	2.7	235,544	211,989	86.0	51.6	89.4	87	to 3rd Screening
45	* Lower Narok	E.Ngiro S.	Ewaso Narok	2KA	633	3.3	288,723	259,851	105.4	63.2	36.2	-	
46	* Olosotisho	E.Ngiro S.	Enkare Narok	2KA	329	1.7	150,182	135,164	54.8	32.9	22.5	-	
47	Leshota	E.Ngiro S.	E.Ngiro S.	2KB	5,119	23.6	2,038,755	1,936,817	744.1	446.5	451.0	140	to 3rd Screening
48	Oldorko	E.Ngiro S.	E.Ngiro S.	2KB	5,696	26.3	2,268,513	2,155,088	828.0	513.4	528.8	368	to 3rd Screening

Source: MWOD, NWCP, LBDA, KVDA, MOE

Notes : \* Damsites newly identified in the Study.

## Appendix H.7

## Results of Second Screening for Prospective Damsites (3/5)

## III. Athi River Drainage Area

SECOND SCREENING															
No.	Damsites	River Basin	River	River Basin Code (Dam-site)	Catchment Area (km2)	Annual Natural		Reservoir Yield (m3/day)	Annual Flow Volume (Damsite) (mcm)	Required Storage (2) (mcm)	Topo-max. Active Storage Capacity (1) (mcm)	(Yield)/(Dam Embankment Volume)	Results		
						Mean Discharge (at Damsite) (cms)									
1	Upper Athi	Athi	Nairobi	3AA	400	2.3	198,121	158,497	72.3	49.2	27.4	927	to 3rd Screening		
2 *	Kikuyu	Athi	Nairobi	3BA	81	0.8	65,480	52,384	23.9	16.3	20.0	262	to 3rd Screening		
3	Ruiru A	Athi	Ruiru	3BC	202	2.3	196,894	157,515	71.9	48.9	18.5	-			
4 *	Kiarie	Athi	Ruabura	3BD	55	0.7	60,782	48,626	22.2	15.1	10.2	-			
5	Nyamangera	Athi	Ndarugu	3CB	198	2.5	218,262	174,610	79.7	54.2	10.3	-			
6	Ndarugu 1	Athi	Ndarugu	3CB	360	4.6	397,845	318,276	145.2	98.7	270.7	579	to 3rd Screening		
7	Ndarugu 2	Athi	Ndarugu	3CB	84	1.1	92,831	74,264	33.9	23.0	18.3	-			
8	Munyu	Athi	Athi	3DA	5,590	23.0	1,987,295	1,669,328	725.4	536.8	569.1	795	to 3rd Screening		
9 *	Thwake 1	Athi	Athi	3DB	7,230	29.4	2,541,998	1,830,238	927.8	686.6	(20.4)	-			
10 *	Ikiwe	Athi	Ikiwe	3EA	373	0.5	39,542	33,215	14.4	10.7	31.4	44	to 3rd Screening		
11 *	Maluva	Athi	Thwake	3EA	883	1.1	93,607	78,630	34.2	25.3	(22.2)	-			
12 *	Mbuuni	Athi	Thwake	3EA	398	0.5	42,192	35,441	15.4	11.4	(0.9)	-			
13	Kiteta	Athi	Ngaa	3EB	72	0.1	7,923	6,655	2.9	2.1	14.9	51	to 3rd Screening		
14 *	Ngwani	Athi	Thwake	3EB	1,178	1.5	129,629	108,888	47.3	35.0	(30.9)	-			
15	Thwake	Athi	Athi	3FA	10,276	18.5	1,599,861	1,343,884	583.9	432.1	496.8	168	to 3rd Screening		
16	Yatta	Athi	Athi	3FB	20,000	29.6	2,560,899	2,151,155	934.7	392.6	400.0	253	to 3rd Screening		
17 *	Yatta 1	Athi	Athi	3FA	10,918	16.2	1,397,943	1,174,272	510.2	214.3	23.8	-			
18	Tsavo	Athi	Tsavo	3G	4,050	3.9	336,420	292,685	122.8	30.7	30.9	915	to 3rd Screening		
19	Tsavo I	Athi	Tsavo	3G	5,514	5.3	458,030	398,486	167.2	56.8	(37.0)	-			
20	Baricho	Athi	Sabaki	3HD	34,240	35.9	3,103,398	2,544,787	1,132.7	815.6	817.2	848	to 3rd Screening		
21	Konjora	Voi/Rare	Rare	3LA	6,574	3.5	301,303	271,173	110.0	77.0	(305.3)	-			
22	Magononi	Voi/Rare	Rare	3LA	6,554	3.5	300,387	270,348	109.6	76.7	(318.2)	-			
23 *	Ndzobuni	Voi/Rare	Ndzobuni	3LA	604	0.3	27,683	24,915	10.1	7.1	58.0	24	to 3rd Screening		
24	Rare	Voi/Rare	Voi/Rare	3LA	1,500	0.8	68,749	61,874	25.1	17.6	34.0	103	to 3rd Screening		
25 *	Mwachi	Mwachi	Mwachi	3MB	7,141	4.2	360,367	324,331	131.5	78.9	82.3	111	to 3rd Screening		
26 *	Kadingo	Pemba	Pemba	3MC	825	0.1	6,934	6,240	2.5	1.8	94.3	8	to 3rd Screening		
27	Pemba	Pemba	Pemba	3MC	866	0.1	7,278	6,551	2.7	1.9	123.0	8	to 3rd Screening		

Source: MOWD, MWPC, TARDA

Notes : \* Damsites newly identified in the Study.

## Appendix H.7 Results of Second Screening for Prospective Damsites (4/5)

## IV. Tana River Drainage Area

No.	Damsites	River Basin	River	River Catchment Basin Code (Dam-site)	SECOND SCREENING								Results				
					Area	Annual Natural Mean Discharge (at Damsite)	Reservoir Yield (m3/day)	Annual Flow Volume (Damsite) (mcm)	Required Storage (2) (mcm)	Topo-max.(Yield)/ Active Storage Capacity (1) (mcm)							
										(km2)	(cms)	(m3/day)		(m3/day)	(mcm)	(mcm)	(RY)
1 *	Gitumbi	Tana	Amboni	4AB	666	4.5	390,205	288,752	142.4	92.6	126.0	131	to 3rd Screening				
2 *	Nderitu	Tana	Amboni	4AB	374	2.5	219,260	162,252	80.0	52.0	87.8	101					
3 *	Rutura	Tana	Chanya	4AC	195	1.7	148,942	107,238	54.4	33.7	12.8	-					
4 *	Kirurumi	Tana	Chanya	4AC	177	1.7	148,942	107,238	54.4	33.7	5.6	-					
5 *	Gatitu	Tana	Chanya	4AC	231	1.7	148,942	107,238	54.4	33.7	51.6	49	to 3rd Screening				
6	Kigoini	Tana	Chinga	4AD	31	0.3	22,833	20,093	8.3	3.8	6.6	212	to 3rd Screening				
7 *	Gikira	Tana	Gikira	4AD	114	1.0	84,092	74,001	30.7	13.8	35.3	62					
8 *	S.Mathioya	Tana	S.Mathioya	4BD	55	0.7	64,577	52,953	23.6	14.1	8.3	-					
9 *	Muhitu	Tana	Gondo	4BD	65	0.9	76,597	62,809	28.0	16.8	21.2	-					
10 *	Koimbi	Tana	Mukungai	4BD	23	0.3	26,514	21,742	9.7	5.8	18.7	-					
11 *	Muringaini	Tana	S.Mathioya	4BD	141	1.9	166,038	136,151	60.6	36.4	42.2	-					
12 *	Kamukabi	Tana	Iratl	4BE	77	1.1	92,608	75,938	33.8	28.7	104.0	-					
13 *	Kiringa	Tana	Kiahuha	4BE	50	0.7	60,812	49,866	22.2	18.9	11.4	-					
14	Maragua 8	Tana	Maragua	4BE	210	2.9	253,523	207,889	92.5	78.7	137.4	52	to 3rd Screening				
15	Maragua 4	Tana	Maragua	4BE	76	1.1	91,399	74,947	33.4	28.4	24.6	-					
16 *	Kiriitangoro	Tana	Iratl	4BE	96	1.3	116,425	95,468	42.5	36.1	36.8	-					
17 *	Saba Saba	Tana	Saba Saba	4BF	180	2.0	171,523	140,649	62.6	53.2	50.9	-					
18 *	Githima	Tana	Githima	4BF	5	0.1	4,765	3,907	1.7	1.5	18.9	-					
19	Chania B	Tana	Chania	4CA	338	3.3	288,535	248,140	105.3	69.5	54.0	-					
20 *	Sasumua A	Tana	Chania	4CA	130	1.3	111,139	95,580	40.6	26.8	9.7	-					
21	Chania A	Tana	Chania	4CA	233	2.3	198,768	170,941	72.6	47.9	14.6	-					
22	Kimakia	Tana	Kimakia	4CA	28	0.3	24,280	20,881	8.9	5.8	23.8	-					
23	Ndiara	Tana	Ndiara	4CA	43	0.4	37,103	31,909	13.5	8.9	11.7	-					
24 *	Kigoro	Tana	Thika	4CB	119	1.2	102,077	87,786	37.3	24.6	51.0	-					
25	Thika 3A	Tana	Thika	4CB	296	2.9	252,714	217,334	92.2	60.9	19.0	-					
26 *	Ndakaini	Tana	Thika	4CB	27	0.3	23,073	19,842	8.4	5.7	14.2	-					
27 *	Mukurue	Tana	Thika	4CB	134	1.3	113,334	97,467	41.4	28.1	10.3	-					
28 *	Kiketani	Tana	Thika	4CC	1,430	13.7	1,183,241	993,922	431.9	280.7	112.1	-					
29	Thiba	Tana	Thiba	4DA	173	2.0	175,934	154,822	64.2	16.4	16.7	115	to 3rd Screening				
30 *	Siakago	Tana	Ena	4EC	408	5.6	485,223	344,508	177.1	111.6	1,112.9	215	to 3rd Screening				
31	Karura	Tana	Tana	4ED	11,802	135.0	11,662,906	10,496,615	4,257.0	1,915.6	(105.0)	-					
32 *	Kamogo	Tana	Thura	4ED	250	2.9	247,054	175,408	90.2	56.8	48.6	-					
33 *	Karambari	Tana	Thura	4ED	130	1.5	128,468	91,212	46.9	29.5	70.7	83	to 3rd Screening				
34	Mutonga	Tana	Tana	4FA	15,329	171.2	14,791,403	13,312,263	5,398.9	2,429.5	63.1	-	to 3rd Screening				
35	High Grand Falls	Tana	Tana	4FB	17,459	153.5	13,263,894	11,937,505	4,841.3	2,178.6	5,093.6	823	to 3rd Screening				
35	Low Grand Falls	Tana	Tana	4FB	17,459	153.5	13,263,894	11,937,505	4,841.3	2,178.6	1,127.6	-	to 3rd Screening				
36	Usueni	Tana	Tana	4FB	18,690	164.3	14,199,106	12,779,195	5,182.7	2,332.2	516.8	-					
37	Adamson Falls	Tana	Tana	4GA	21,462	159.3	13,763,915	12,387,523	5,023.8	2,260.7	609.1	-	to 3rd Screening				
38	Kora	Tana	Tana	4GB	24,874	724.9	62,633,259	56,369,933	22,861.1	10,287.5	628.5	-	to 3rd Screening				
39 *	Kavongo	Tana	Tiva	4HA	1,644	0.8	71,455	60,022	26.1	19.3	3.2	-					

Source : MOWD, NWCP, MOE, TARD, NIB, NCC

Note : \* Damsites newly identified in the Study.

## Appendix H.7

## Results of Second Screening for Prospective Damsites (5/5)

## V. Ewaso Ng'iro North River Drainage Area

No.	Damsites	River Basin	River	River Basin Code (Dam-site)	Catchment Area (km <sup>2</sup> )	SECOND SCREENING							Results																																																																																																																																																																																																																																														
						Annual Mean Discharge (at Damsite) (cms)	Natural Reservoir Yield (m <sup>3</sup> /day)	Annual Flow Volume (Damsite) (mcm)	Required Storage (2) (mcm)	Topo-max. Storage Capacity (1) (mcm)	(Yield)/(Dam Embankment Volume) (RY)																																																																																																																																																																																																																																																
												1 *		Ol Bolossat	E.Ngiro	Ol Bolossat	5AA	77	0.1	6,791	5,772	2.5	1.6	5.8	-		2	Rumuruti	E.Ngiro	E.Narok	5AA	680	0.7	60,051	51,044	21.9	14.2	17.1	319	to 3rd Screening	3	Nyahururu	E.Ngiro	Nyahururu	5AA	29	0.0	2,526	2,147	0.9	0.6	9.8	215	to 3rd Screening	4 *	Oraimutia	E.Ngiro	Oraimutia	5AA	35	0.0	3,091	2,627	1.1	0.7	20.8	33		5	Gage	E.Ngiro	E.Narok	5AC	3,290	3.6	310,311	263,765	113.3	73.6	(13.8)	-		6	Kihoto	E.Ngiro	E.Ngiro	5BC	2,842	5.8	498,378	423,621	181.9	118.2	672.3	212	to 3rd Screening	7 *	Suari	E.Ngiro	E.Ngiro	5CB	3,983	5.3	460,856	391,727	168.2	117.7	99.1	-		8 *	Trilo	E.Ngiro	E.Ngiro	5CB	209	0.3	24,182	20,555	8.8	6.2	32.8	605	to 3rd Screening	9 *	Barsaloi	E.Ngiro	Barsaloi	5CC	2,059	3.1	266,202	226,272	97.2	68.0	208.2	113		10 *	Milgis	E.Ngiro	Milgis	5CC	7,878	11.8	1,018,325	865,577	371.7	260.2	360.0	247	to 3rd Screening	11	Archers Post	E.Ngiro	E.Ngiro	5DA	15,300	21.5	1,861,706	1,582,450	679.5	441.7	214.3	-		12 *	Sinyai	E.Ngiro	Sinyai	5DB	557	1.5	128,120	108,902	46.8	30.4	98.7	-		13	Crocodile Jaws	E.Ngiro	E.Ngiro	5DC	8,583	13.7	1,184,738	1,007,027	432.4	281.1	21.7	-		14	Kirimun	E.Ngiro	E.Ngiro	5DC	8,825	14.1	1,218,142	1,035,420	444.6	289.0	(62.2)	-		15	Ngadurumuto	E.Ngiro	E.Ngiro	5DC/5BC/5BE	4,230	6.8	583,880	496,298	213.1	138.5	74.1	-		16 *	Tulolong	E.Ngiro	E.Ngiro	5DD	9,052	15.5	1,340,731	1,139,621	489.4	318.1	86.2	-		17 *	Longopito	E.Ngiro	E.Ngiro	5DD	8,917	15.3	1,320,736	1,122,625	482.1	313.3	(148.1)	-		18 *
1 *	Ol Bolossat	E.Ngiro	Ol Bolossat	5AA	77	0.1	6,791	5,772	2.5	1.6	5.8	-																																																																																																																																																																																																																																															
2	Rumuruti	E.Ngiro	E.Narok	5AA	680	0.7	60,051	51,044	21.9	14.2	17.1	319	to 3rd Screening																																																																																																																																																																																																																																														
3	Nyahururu	E.Ngiro	Nyahururu	5AA	29	0.0	2,526	2,147	0.9	0.6	9.8	215	to 3rd Screening																																																																																																																																																																																																																																														
4 *	Oraimutia	E.Ngiro	Oraimutia	5AA	35	0.0	3,091	2,627	1.1	0.7	20.8	33																																																																																																																																																																																																																																															
5	Gage	E.Ngiro	E.Narok	5AC	3,290	3.6	310,311	263,765	113.3	73.6	(13.8)	-																																																																																																																																																																																																																																															
6	Kihoto	E.Ngiro	E.Ngiro	5BC	2,842	5.8	498,378	423,621	181.9	118.2	672.3	212	to 3rd Screening																																																																																																																																																																																																																																														
7 *	Suari	E.Ngiro	E.Ngiro	5CB	3,983	5.3	460,856	391,727	168.2	117.7	99.1	-																																																																																																																																																																																																																																															
8 *	Trilo	E.Ngiro	E.Ngiro	5CB	209	0.3	24,182	20,555	8.8	6.2	32.8	605	to 3rd Screening																																																																																																																																																																																																																																														
9 *	Barsaloi	E.Ngiro	Barsaloi	5CC	2,059	3.1	266,202	226,272	97.2	68.0	208.2	113																																																																																																																																																																																																																																															
10 *	Milgis	E.Ngiro	Milgis	5CC	7,878	11.8	1,018,325	865,577	371.7	260.2	360.0	247	to 3rd Screening																																																																																																																																																																																																																																														
11	Archers Post	E.Ngiro	E.Ngiro	5DA	15,300	21.5	1,861,706	1,582,450	679.5	441.7	214.3	-																																																																																																																																																																																																																																															
12 *	Sinyai	E.Ngiro	Sinyai	5DB	557	1.5	128,120	108,902	46.8	30.4	98.7	-																																																																																																																																																																																																																																															
13	Crocodile Jaws	E.Ngiro	E.Ngiro	5DC	8,583	13.7	1,184,738	1,007,027	432.4	281.1	21.7	-																																																																																																																																																																																																																																															
14	Kirimun	E.Ngiro	E.Ngiro	5DC	8,825	14.1	1,218,142	1,035,420	444.6	289.0	(62.2)	-																																																																																																																																																																																																																																															
15	Ngadurumuto	E.Ngiro	E.Ngiro	5DC/5BC/5BE	4,230	6.8	583,880	496,298	213.1	138.5	74.1	-																																																																																																																																																																																																																																															
16 *	Tulolong	E.Ngiro	E.Ngiro	5DD	9,052	15.5	1,340,731	1,139,621	489.4	318.1	86.2	-																																																																																																																																																																																																																																															
17 *	Longopito	E.Ngiro	E.Ngiro	5DD	8,917	15.3	1,320,736	1,122,625	482.1	313.3	(148.1)	-																																																																																																																																																																																																																																															
18 *	Lokomon	E.Ngiro	E.Ngiro	5DD	9,511	16.3	1,408,715	1,197,408	514.2	334.2	(122.2)	-																																																																																																																																																																																																																																															

Source : HONDO, NWCPC, MOE

Notes : \* Damsites newly identified in the Study.

## **APPENDIX H.8**

### **Catchment Area of Damsite and River Improvement Site (For Evaluation of Dam Flood Control Function)**

**(Lake Victoria Drainage Area)**

**(Rift Valley Drainage Area)**

**(Athi River Drainage Area)**

**(Tana River Drainage Area)**

**(Ewaso Ngiro North River Drainage Area)**





Catchment Areas of Damsite and River Improvement Site  
(For Evaluation of Dam Flood Control Function)

I. Lake Victoria Drainage Area

Item No.	Damsite	River Basin	River Basin Code (Dam-site)	Catchment Area (Dam-site)	Flood Prone Area		Share of Damsite Catchment	Remarks
					Objective Area	Catchment Area		
				A1 (km2)		A2 (km2)	A1/A2	
1 *	Kipnai	Nzoia	1BA	76	Yala swamp	11,849	0.01	-
2 *	Chebara	Nzoia	1BA	190	Yala swamp	11,849	0.02	-
3	Moiben	Nzoia	1BA	188	Yala swamp	11,849	0.02	-
4 *	Chebiemit	Nzoia	1BA	229	Yala swamp	11,849	0.02	-
5 *	Makutano	Nzoia	1BA	48	Yala swamp	11,849	0.00	-
6 *	Chebororwa	Nzoia	1BB	814	Yala swamp	11,849	0.07	-
7	Lower Moiben	Nzoia	1BB	644	Yala swamp	11,849	0.05	-
8 *	Losorua	Nzoia	1BB	89	Yala swamp	11,849	0.01	-
9 *	Kiptaberr	Nzoia	1BB	60	Yala swamp	11,849	0.01	-
10 *	Kapcherop	Nzoia	1BB	75	Yala swamp	11,849	0.01	-
11 *	Maji Mazuri	Nzoia	1BB	1,343	Yala swamp	11,849	0.11	-
12 *	Noigameget	Nzoia	1BC	546	Yala swamp	11,849	0.05	-
13 *	Longleat	Nzoia	1BC	191	Yala swamp	11,849	0.02	-
14	Hemsted's Brg.	Nzoia	1BD	3,825	Yala swamp	11,849	0.32	-
15	Moi's Brg.	Nzoia	1BE	858	Yala swamp	11,849	0.07	-
16 *	Naisabu	Nzoia	1BE	739	Yala swamp	11,849	0.06	-
17	Rongai	Nzoia	1BG	4,916	Yala swamp	11,849	0.41	-
18 *	Kaptama	Nzoia	1BH	99	Yala swamp	11,849	0.01	-
19	Sergoit (No.1)	Nzoia	1CA	659	Yala swamp	11,849	0.06	-
20	Sergoit (No.2)	Nzoia	1CA	390	Yala swamp	11,849	0.03	-
21	Endoroto	Nzoia	1CB	58	Yala swamp	11,849	0.00	-
22 *	Kibolo	Nzoia	1CB	609	Yala swamp	11,849	0.05	-
23	Kisongi (No.7)	Nzoia	1CC	119	Yala swamp	11,849	0.01	-
24	Kerita (No.8)	Nzoia	1CC	104	Yala swamp	11,849	0.01	-
25 *	Nureri	Nzoia	1CC	493	Yala swamp	11,849	0.04	-
26 *	Kormaet	Nzoia	1CD	807	Yala swamp	11,849	0.07	-
27	Lugari	Nzoia	1DA	8,300	Yala swamp	11,849	0.70	-
28	Webuye Falls	Nzoia	1DA	8,420	Yala swamp	11,849	0.71	-
29	Teremi	Nzoia	1DB	138	Yala swamp	11,849	0.01	-
30 *	Mukulusi	Nzoia	1EA	341	Yala swamp	11,849	0.03	-
31 *	Shibei	Nzoia	1EB	142	Yala swamp	11,849	0.01	-
32 *	Indangalasia	Nzoia	1ED	644	Yala swamp	11,849	0.05	-
33	Rambula	Nzoia	1EE	*****	Yala swamp	11,849	1.00	site for comparison
34	Ukiru	Yala	1FA	45	Yala swamp	2,864	0.02	-
35 *	Kosirai	Yala	1FB	346	Yala swamp	2,864	0.12	-
36 *	Kabongwa	Yala	1FC	63	Yala swamp	2,864	0.02	-
37	Kimondi	Yala	1FC	692	Yala swamp	2,864	0.24	-
38	Nandi Forest	Yala	1FD	1,339	Yala swamp	2,864	0.47	-
39 *	Shikondi	Yala	1FE	1,693	Yala swamp	2,864	0.59	-
40	Mushangumbo	Yala	1FE	1,987	Yala swamp	2,864	0.69	site for comparison
41	Gongo	Yala	1FG	2,351	Yala swamp	2,864	0.82	-
42 *	Uraga	Yala	1FG	2,385	Yala swamp	2,864	0.83	-
43 *	Songhor	Nyando	1GA	50	Kano Plain	2,625	0.02	-
44 *	Old Sikh	Nyando	1GA	141	Kano Plain	2,625	0.05	-
45	Tinderet F.	Nyando	1GA	30	Kano Plain	2,625	0.01	-
46	Twin Brg.	Nyando	1GB	584	Kano Plain	2,625	0.22	-
47 *	Tugunon	Nyando	1GC	606	Kano Plain	2,625	0.23	-
48 *	Kimasian	Nyando	1GC	186	Kano Plain	2,625	0.07	-
49 *	Kipkoyo	Nyando	1GC	58	Kano Plain	2,625	0.02	-
50	Londiani	Nyando	1GC	71	Kano Plain	2,625	0.03	-
51	Koru	Nyando	1GC	784	Kano Plain	2,625	0.30	-
52	Nyando	Nyando	1GD	1,322	Kano Plain	2,625	0.50	site for comparison
53	Awasi	Nyando	1GD	1,509	Kano Plain	2,625	0.57	-
54 *	Fort Ternan	Nyando	1GG	341	Kano Plain	2,625	0.13	-
55 *	Hamilton	Nyando	1GG	99	Kano Plain	2,625	0.04	-
56 *	Masibun	Nyando	1GG	92	Kano Plain	2,625	0.04	-
57 *	Siret	Nyando	1GG	113	Kano Plain	2,625	0.04	-
58	Kibos	Kibos	1HA	179	Kano Plain	274	0.65	-
59	Itare/Chemosit	Sondu	1JA	553	river-mouth	3,287	0.17	-
60 *	Koiwa	Sondu	1JA	522	river-mouth	3,287	0.16	-
61 *	Chemelet	Sondu	1JB	767	river-mouth	3,287	0.23	-

Catchment Areas of Damsite and River Improvement Site  
(For Evaluation of Dam Flood Control Function)

I. Lake Victoria Drainage Area

Item No.	Damsite	River Basin	River Basin Code (Dam-site)	Catchment Area (Dam-site)	Flood Prone Area		Share of Damsite Catchment	Remarks
					Objective Area	Catchment Area		
				A1 (km2)		A2 (km2)	A1/A2	
62 *	Chemosit	Sondu	1JB	19	river-mouth	3,287	0.01	-
63	Mau Forest	Sondu	1JC	45	river-mouth	3,287	0.01	-
64 *	Sambret	Sondu	1JC	50	river-mouth	3,287	0.02	-
65 *	Cheyman	Sondu	1JC	71	river-mouth	3,287	0.02	-
66 *	Masabet	Sondu	1JC	138	river-mouth	3,287	0.04	-
67 *	Majengo	Sondu	1JC	88	river-mouth	3,287	0.03	-
68	Sisei	Sondu	1JE	557	river-mouth	3,287	0.17	-
69	Yurith	Sondu	1JD	1,358	river-mouth	3,287	0.41	-
70	Orokiet	Sondu	1JF	1,081	river-mouth	3,287	0.33	-
71 *	Kapkoros	Sondu	1JF	327	river-mouth	3,287	0.10	-
72 *	Satiet	Sondu	1JF	234	river-mouth	3,287	0.07	-
73 *	Sotik	Sondu	1JF	1,131	river-mouth	3,287	0.34	-
74	Magwagwa	Sondu	1JG	3,160	river-mouth	3,287	0.96	site for comparison
75 *	Bunyonyu	Kuja	1KB	120	river-mouth	6,600	0.02	-
76 *	Macalder	Kuja	1KB	3,080	river-mouth	6,600	0.47	-
77 *	Nyakorere	Kuja	1KB	906	river-mouth	6,600	0.14	-
78 *	Mochengo	Kuja	1KB	1,042	river-mouth	6,600	0.16	-
79 *	Katieno	Kuja	1KB	3,002	river-mouth	6,600	0.45	site for comparison
80 *	Nyamagwa	Kuja	1KB	457	river-mouth	6,600	0.07	-
81	Namba Kodero	Kuja	1KC	2,769	river-mouth	6,600	0.42	-
82	Oi Ngobor	Kuja	1KC	1,240	river-mouth	6,600	0.19	-
83	Nyangores	Mara	1LA1	681	-	-	-	-
84	Bomet	Mara	1LA1	678	-	-	-	-
85	Tenwek	Mara	1LA1	635	-	-	-	-
86 *	Merigit	Mara	1LA1	83	-	-	-	-
87	Mara Bridge	Mara	1LA2	2,812	-	-	-	-
88 *	Ngobor	Mara	1LA3	731	-	-	-	-
89 *	KapkimoIwa	Mara	1LB1	655	-	-	-	-
90 *	Sitotwet	Mara	1LB1	473	-	-	-	-
91	Amala	Mara	1LB1	475	-	-	-	-
92 *	Regero	Mara	1LB2	5	-	-	-	-

Source:MOHD,NWCPC,LBDA,KVDA,MOE

Notes : \* Damsites newly identified in the Study.

Catchment Area of Damsite and River Improvement Site  
(For Evaluation of Dam Flood Control Function)

II. Rift Valley Drainage Area

Flood Prone Area								
Item No.	Damsite	River Basin	River Basin Code (Dam-site)	Catchment Area (Dam-site)	Objective Area	Catchment Area	Share of Damsite Catchment	Remarks
				A1 (km2)		A2 (km2)	A1/A2	
1	* Mbanga	Turkwe	2BA	109	Middle Turkwe	7,014	0.02	-
2	Moruny	Turkwe	2BA	388	Middle Turkwe	7,014	0.06	-
3	* Marun	Turkwe	2BA	564	Middle Turkwe	7,014	0.08	-
4	* Kabichich	Turkwe	2BA	133	Middle Turkwe	7,014	0.02	-
5	* Ortum	Turkwe	2BA	615	Middle Turkwe	7,014	0.09	-
6	Wei Wei	Turkwe	2BB	200	Middle Turkwe	7,014	0.03	-
7	* Kipsang	Kerio	2CB	66	-	-	-	-
8	* Tuyobet	Kerio	2CB	674	-	-	-	-
9	* Kiptunol 1	Kerio	2CB	64	-	-	-	-
10	* Kiptunol 2	Kerio	2CB	59	-	-	-	-
11	Kimwarer	Kerio	2CB	160	-	-	-	-
12	* Kapkalelwa	Kerio	2CB	21	-	-	-	-
13	Kerio A	Kerio	2CB/2CC	2,442	-	-	-	-
14	* Arror	Kerio	2CC	35	-	-	-	-
15	* Kapsowar	Kerio	2CC	256	-	-	-	-
16	Sererwa	Kerio	2CC	185	-	-	-	-
17	* Lokori	Kerio	2CC	6,507	-	-	-	-
18	* Embobut	Kerio	2CC	18	-	-	-	-
19	* Kamukuny	Kerio	2CC	6,024	-	-	-	-
20	* Tirioke	Suguta	2D	53	-	-	-	-
21	Waseges 3	Waseges	2EB	321	-	-	-	-
22	Waseges	Waseges	2EB	433	-	-	-	-
23	* Siracho	Waseges	2EB	473	-	-	-	-
24	Waseges 4	Waseges	2EB	361	-	-	-	-
25	* Chepkungul	Perkerra	2ED	148	-	-	-	-
26	* Sigoro	Perkerra	2ED	419	-	-	-	-
27	* Sabor	Maoi	2EE	81	-	-	-	-
28	Perkerra	Perkerra	2EE	501	-	-	-	-
29	* Kibias	Perkerra	2EE	496	-	-	-	-
30	* Marigat	Perkerra	2EE	1,352	-	-	-	-
31	Ratat 2	Perkerra	2EE	1,001	-	-	-	-
32	Ratat 1	Perkerra	2EE	1,068	-	-	-	-
33	Molo	Molo	2EG1	395	-	-	-	-
34	Mau Stream	Molo	2EG1	108	-	-	-	-
35	* Lelen	Molo	2EG2	1,407	-	-	-	-
36	* Kapsonget	Molo	2EG2	1,444	-	-	-	-
37	Sitet	Molo	2EG2	1,365	-	-	-	-
38	Mutaran	Mutaran	2EK	403	-	-	-	-
39	* Marmanet F.	Ol Arabel	2EK	121	-	-	-	-
40	* Enderit 1	Enderit	2FC	136	-	-	-	-
41	* Enderit 2	Enderit	2FC	50	-	-	-	-
42	* Gitanguin	Enderit	2FC	30	-	-	-	-
43	Malewa	Melawa	2GB	635	-	-	-	-
44	Upper Narok	E.Ngiro S	2KA	516	-	-	-	-
45	* Lower Narok	E.Ngiro S	2KA	633	-	-	-	-
46	* Olosoisho	E.Ngiro S	2KA	329	-	-	-	-
47	Leshota	E.Ngiro S	2KB	5,119	-	-	-	-
48	Oldorko	E.Ngiro S	2KB	5,696	-	-	-	-

Source: MOWD, NWCPC, LBDA, KVDA, MOE

Notes : \* Damsites newly identified in the Study.

Catchment Area of Damsite and River Improvement Site  
(For Evaluation of Dam Flood Control Function)

III. Athi River Basin Drainage Area

Item No.	Damsite	River Basin	River Basin Code (Damsite)	Catchment Area (Damsite) A1 (km2)	Flood Prone Area			Remarks
					Objective Area	Catchment Area	Share of Damsite Catchment	
1	* Kikuyu	Athi	3BA	81	Downmost Athi	36,903	0.00	-
2	Ruiru A	Athi	3BC	202	Downmost Athi	36,903	0.01	-
3	* Kiarie	Athi	3BD	55	Downmost Athi	36,903	0.00	-
4	Nyamangara	Athi	3CB	198	Downmost Athi	36,903	0.01	-
5	Ndarugu 1	Athi	3CB	360	Downmost Athi	36,903	0.01	-
6	Ndarugu 2	Athi	3CB	84	Downmost Athi	36,903	0.00	-
7	Munyu	Athi	3DA	5,590	Downmost Athi	36,903	0.15	-
8	* Thwake 1	Athi	3DB	7,230	Downmost Athi	36,903	0.20	-
9	* Ikiwe	Athi	3EA	373	Downmost Athi	36,903	0.01	-
10	* Maluva	Athi	3EA	883	Downmost Athi	36,903	0.02	-
11	* Mbuuni	Athi	3EA	398	Downmost Athi	36,903	0.01	-
12	Kiteta	Athi	3EB	72	Downmost Athi	36,903	0.00	-
13	* Ngwani	Athi	3EB	1,178	Downmost Athi	36,903	0.03	-
14	Thwake	Athi	3FA	10,276	Downmost Athi	36,903	0.28	-
15	Yatta	Athi	3FB	20,000	Downmost Athi	36,903	0.54	-
16	* Yatta 1	Athi	3FA	10,918	Downmost Athi	36,903	0.30	-
17	Tsavo	Athi	3G	4,050	Downmost Athi	36,903	0.11	-
18	Tsavo I	Athi	3G	5,514	Downmost Athi	36,903	0.15	-
19	Baricho	Athi	3HD	34,240	Downmost Athi	36,903	0.93	-
20	Konjora	Voi/Rare	3LA	6,574	-	-	-	-
21	Magononi	Voi/Rare	3LA	6,554	-	-	-	-
22	* Ndzobuni	Voi/Rare	3LA	604	-	-	-	-
23	Rare	Voi/Rare	3LA	1,500	-	-	-	-
24	Mwachi	Mwachi	3MB	7,141	-	-	-	-
25	* Kadango	Pemba	3MC	825	-	-	-	-
26	Pemba	Pemba	3MC	866	-	-	-	-

Source: MOWD, NWCP, TARDA

Notes : \* Damsites newly identified in the Study.

Catchment Area of Damsite and River Improvement Site  
(For Evaluation of Dam Flood Control Function)

IV. Tana River Basin Drainage Area

Item No.	Damsite	River Basin	River Basin Code (Dam-site)	Catchment Area (Dam-site)	Flood Prone Area		Share of Damsite Catchment	Remarks
					Objective Area	Catchment Area		
				A1 (km <sup>2</sup> )		A2 (km <sup>2</sup> )	A1/A2	
1 *	Gitumbi	Tana	4AB	666	-	-	-	
2 *	Nderitu	Tana	4AB	374	-	-	-	
3 *	Rutura	Tana	4AC	195	-	-	-	
4 *	Kirurumi	Tana	4AC	177	-	-	-	
5 *	Gatitu	Tana	4AC	231	-	-	-	
6	Kigoini	Tana	4AD	31	-	-	-	
7 *	Gikira	Tana	4AD	114	-	-	-	
8 *	S.Mathioya	Tana	4BD	55	-	-	-	
9 *	Muhitu	Tana	4BD	65	-	-	-	
10 *	Koimbi	Tana	4BD	23	-	-	-	
11 *	Muringaini	Tana	4BD	141	-	-	-	
12 *	Kamukabi	Tana	4BE	77	-	-	-	
13 *	Kiringa	Tana	4BE	50	-	-	-	
14	Maragua 8	Tana	4BE	210	-	-	-	
15	Maragua 4	Tana	4BE	76	-	-	-	
16 *	Kiiriangoro	Tana	4BE	96	-	-	-	
17 *	Saba Saba	Tana	4BF	180	-	-	-	
18 *	Githima	Tana	4BF	5	-	-	-	
19	Chania B	Tana	4CA	338	-	-	-	
20 *	Sasumua A	Tana	4CA	130	-	-	-	
21	Chania A	Tana	4CA	233	-	-	-	
22	Kimakia	Tana	4CA	28	-	-	-	
23	Ndiara	Tana	4CA	43	-	-	-	
24 *	Kigoro	Tana	4CB	119	-	-	-	
25	Thika 3A	Tana	4CB	296	-	-	-	
26 *	Ndakaini	Tana	4CB	27	-	-	-	
27 *	Mukurue	Tana	4CB	134	-	-	-	
28 *	Kiketani	Tana	4CC	1,430	-	-	-	
29	Thiba	Tana	4DA	173	-	-	-	
30	Embu	Tana	4DC	-	-	-	-	
31 *	Siakago	Tana	4EC	408	-	-	-	
32	Karura	Tana	4ED	11,802	-	-	-	
33 *	Kamogo	Tana	4ED	250	-	-	-	
34 *	Karambari	Tana	4ED	130	-	-	-	
35	Mutonga	Tana	4FA	15,329	-	-	-	
36	Grand Falls (HiTana)	Tana	4FB	17,459	-	-	-	
36	Grand Falls (LoTana)	Tana	4FB	17,459	-	-	-	
37	Usueni	Tana	4FB	18,690	-	-	-	
38	Adamson Falls	Tana	4GA	21,462	-	-	-	
39	Kora	Tana	4GB	24,874	-	-	-	
40 *	Kavgongo	Tana	4HA	1,644	-	-	-	

Source : MOWD, NWCP, MOE, TARDA, NIB, NCC

Notes : \* Damsites newly identified in the Study.

Catchment Area of Damsite and River Improvement Site  
(For Evaluation of Dam Flood Control Function)

V. Ewaso Ng'iro North River Basin Drainage Area

Item No.	Damsite	River Basin	River Basin Code (Dam-site)	Catchment Area (km <sup>2</sup> )	Flood Prone Area		Share of Damsite Catchment	Remarks
					Objective Area	Catchment Area		
				A1 (km <sup>2</sup> )		A2 (km <sup>2</sup> )	A1/A2	
1 *	Ol Bolossat	E.Ngiro	5AA	77	-	-	-	
2	Rumuruti	E.Ngiro	5AA	680	-	-	-	
3	Nyahururu	E.Ngiro	5AA	29	-	-	-	
4 *	Oraimutta	E.Ngiro	5AA	35	-	-	-	
5	Gage	E.Ngiro	5AC	3,290	-	-	-	
6	Kihoto	E.Ngiro	5BC	2,842	-	-	-	
	Nundonto	E.Ngiro	5CA	60	-	-	-	
7 *	Swari	E.Ngiro	5CB	3,983	-	-	-	
8 *	Trilo	E.Ngiro	5CB	209	-	-	-	
9 *	Barsaloi	E.Ngiro	5CC	2,059	-	-	-	
10 *	Milgis	E.Ngiro	5CC	7,878	-	-	-	
11	Archers Post	E.Ngiro	5DA	15,300	-	-	-	
	Isiolo	E.Ngiro	5DA	-	-	-	-	
12 *	Sinyal	E.Ngiro	5DB	557	-	-	-	
13	Crocodile Jaws	E.Ngiro	5DC	8,583	-	-	-	
14	Kirimun	E.Ngiro	5DC	8,825	-	-	-	
15	Ngadurumuto	E.Ngiro	5DC/5BC/5	4,230	-	-	-	
16 *	Tulolong	E.Ngiro	5DD	9,052	-	-	-	
17 *	Longopito	E.Ngiro	5DD	8,917	-	-	-	
18 *	Lokomon	E.Ngiro	5DD	9,511	-	-	-	

Source : NOWD, NWPC, MOE

Note : \* Damsites newly identified in the Study.

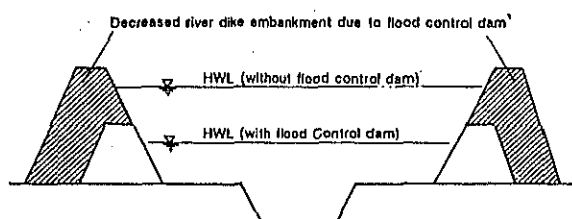
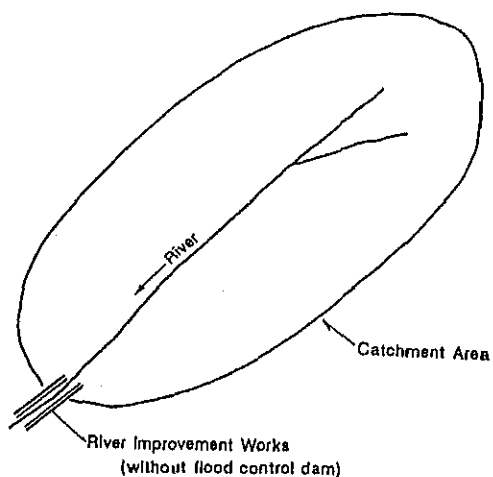
## **APPENDIX H.9**

### **Conceptual Diagrams for Flood Control by Dam and by River Improvement Works**



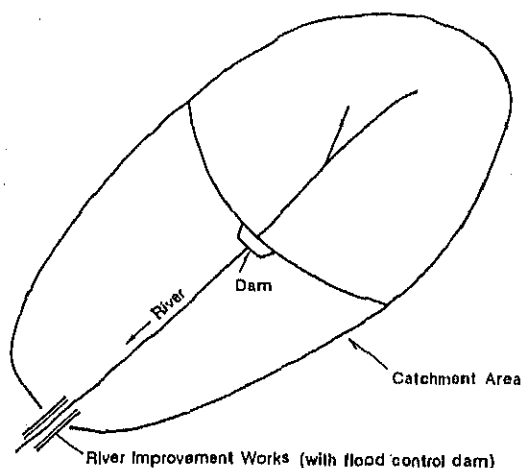


### 1. Flood Control by River Improvement Works

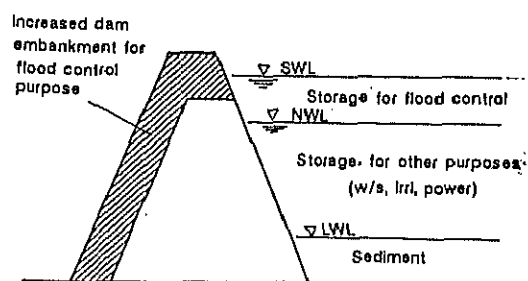


River Cross Section in With-and Without-Flood Control Dam

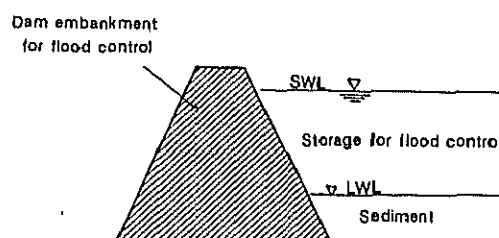
### 2. Flood Control by Dam



Note: In downstream some river improvement work is required against flood from remaining catchment over and flow controlled by dam.



In Case of Multi-Purpose Dam for Flood Control



In Case of Single-Purpose Dam for Flood Control

Conceptual Diagrams for Flood Control by Dam  
and by River Improvement Works

THE STUDY  
ON  
THE NATIONAL WATER MASTER PLAN  
JAPAN INTERNATIONAL COOPERATION AGENCY



## **APPENDIX H.10**

### **Transfer of Water from Lake Victoria Basin to Rift Valley Basin**



## Appendix H.10

## Transfer of Water from Lake Victoria Basin to Rift Valley Basin

Item No.	Alternative	Method of Transfer	Yield of M3/s	Length km	Pumping Head M	Approx. cost Kshs. Million	Remarks
1.	L. Victoria to Kerio Valley (Tambach)	Tunnel	5-100	130	Gravity	2,800-9,300	Source is good, Geology of the route requires further investigation. Good capacity and low operating costs. Limited power generation. Utilization of water for irrigation in Kerio quite promising.
2.	L. Victoria to L. Bogoria	Tunnel	5-100	135 (136)	Gravity	3,300-1,100	Source good. Geology of the route entailed investigation but probably difficulty in tunneling would limit the size of tunnel. Low operating costs. Limited power generation. Utilization of water in L. Baringo Basin limited. Ecological effect to L. Bogoria, by transforming to a fresh lake.
3.	L. Victoria- to Rift Valley (Makutano)	Pumping D 1200	1.8(can be multiplied)	92	1550	1,400	Source good. Limited transfer capacity. Technical problem in construction and operation of the pipeline very high operation costs. Very limited power generating. Limited effect for irrigation possibilities in Rift Valley.
4.	R. Nzola- to Kerio Valley (Iten)	Tunnel	6-30	58-81	Gravity	1,200-3,900	River flow regulation needed at source. Relatively good capacity. Geology not well known, but probably suitable. Low operation costs. Power generating good (29-88 MW). Utilization of water for irrigation in Kerio good. River regulation in Nzola would reduce Flooding downstream. Reservoirs covering high potential areas.
5.	R. Nzola- (Molben) to Kerio Valley	Pumping 2xD 1000	2.5	21	350	500	River flow regulation needed at source. Operation cost can be recovered by power generation. Positive power balance 6 MW. Effect for irrigation in Kerio insignificant. Capacity of the system can be increased.
6.	Nyando River to Rift Valley	Pumping D 800	0.66	20	600	6,550	River flow regulation needed at source to create storage facilities. Very limited capacity. High operating costs. Very limited power generating. Very limited benefits in Rift Valley.
7.	Amala River to Ewaso Ngiro (South) Basin	Pumping D 1200	1.5	5	190	300	River flow regulation needed at source. Limited capacity. Moderate power generating (1.5MW). Moderate capital and operating costs.
8.	From R. Amala to Ewaso Ngiro (South) Basin	Pumping 2x D 1400mm and Tunnel	6.5	33	130	1,400	River flow regulation needed at source. No power generating. Moderate capital and operating costs.

Source : MOWD, Pre-feasibility report on Transfer of Water from Lake Victoria Basin to Rift Valley Basin.

Note: The cost above is not escalated to update because no year indication in the report.











SUDAN

5° N

34° E

36° E

37° E

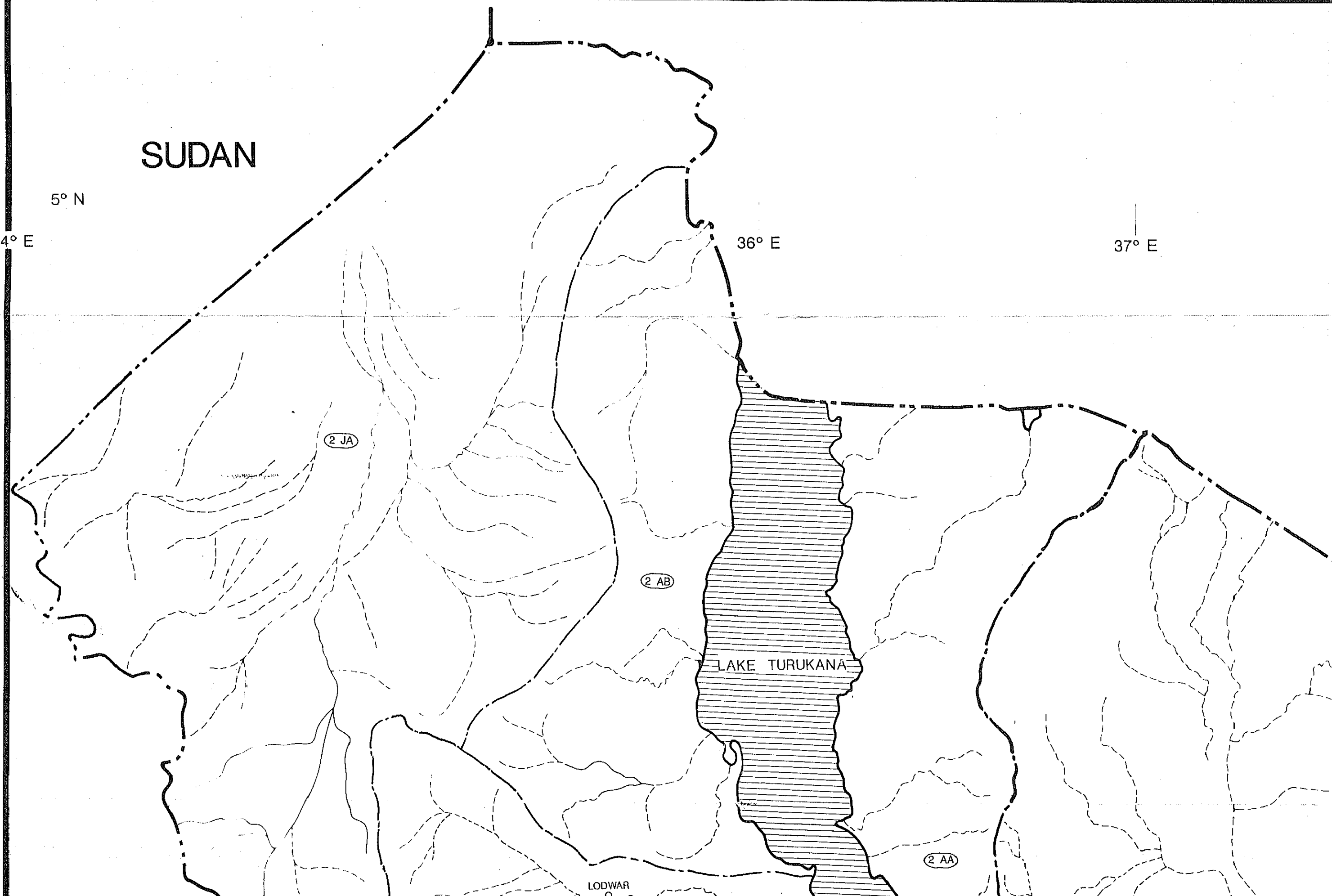
(2 JA)

(2 AB)

LAKE TURUKANA

(2 AA)

LODWAR



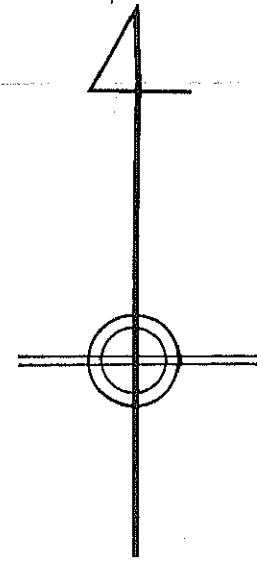
37° E

38° E

39° E

4

ETHIOPIA



2 AA

MOYALE

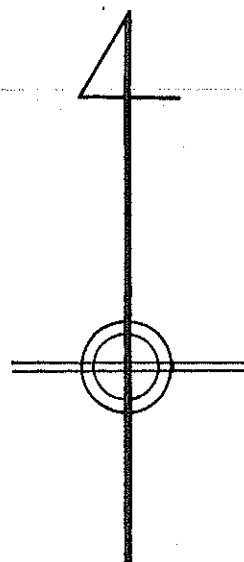
ETHIOPIA

39° E

40° E

41° E

5° N



DAUA R.

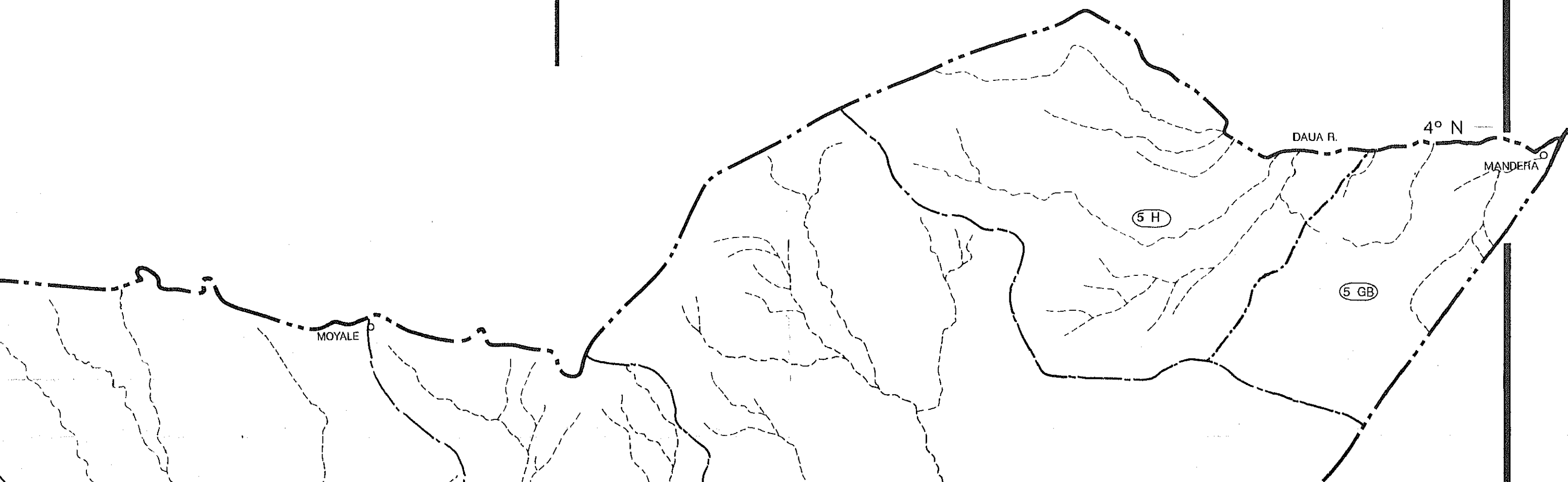
4° N

MANDERA

5 H

5 GB

MOYALE

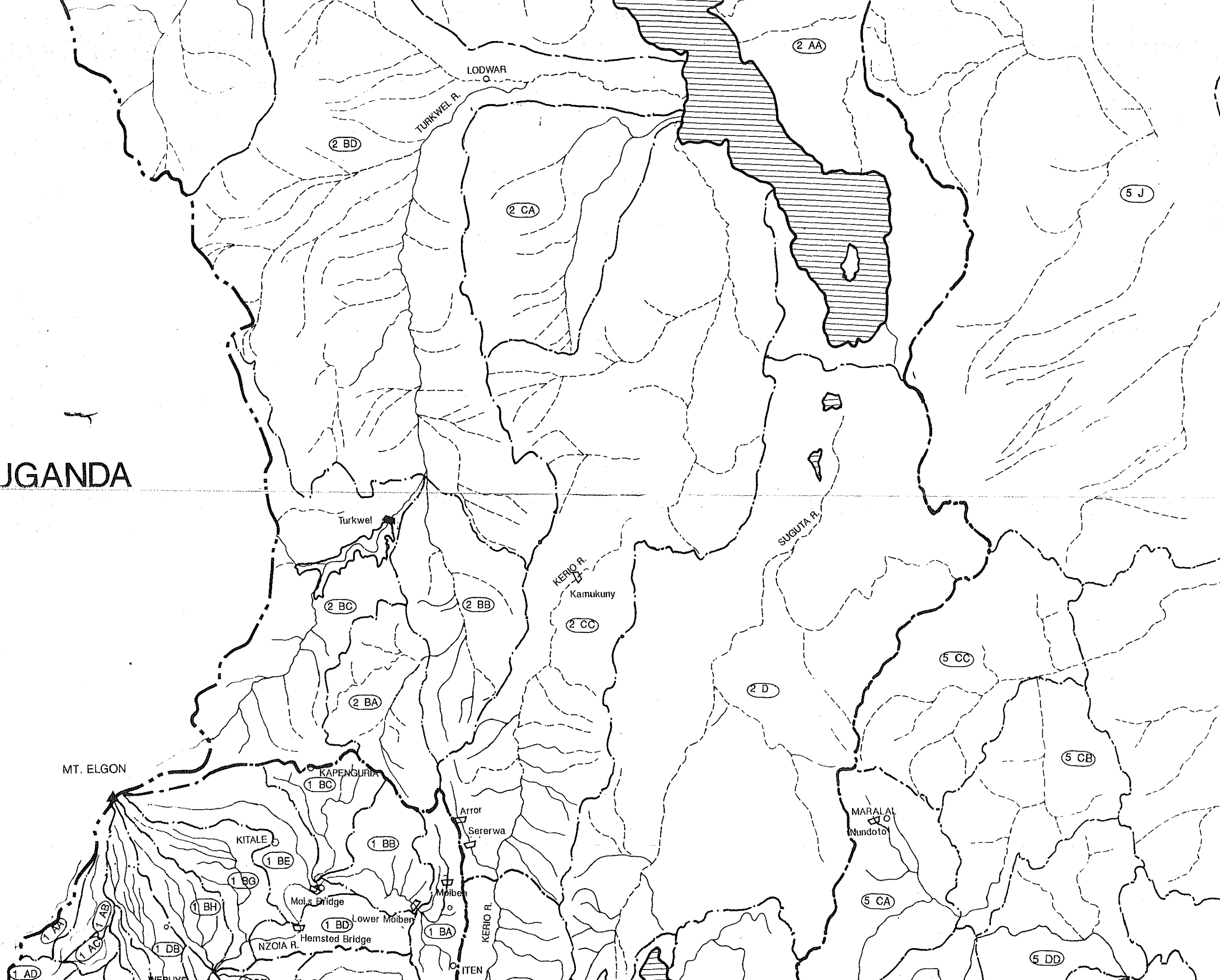


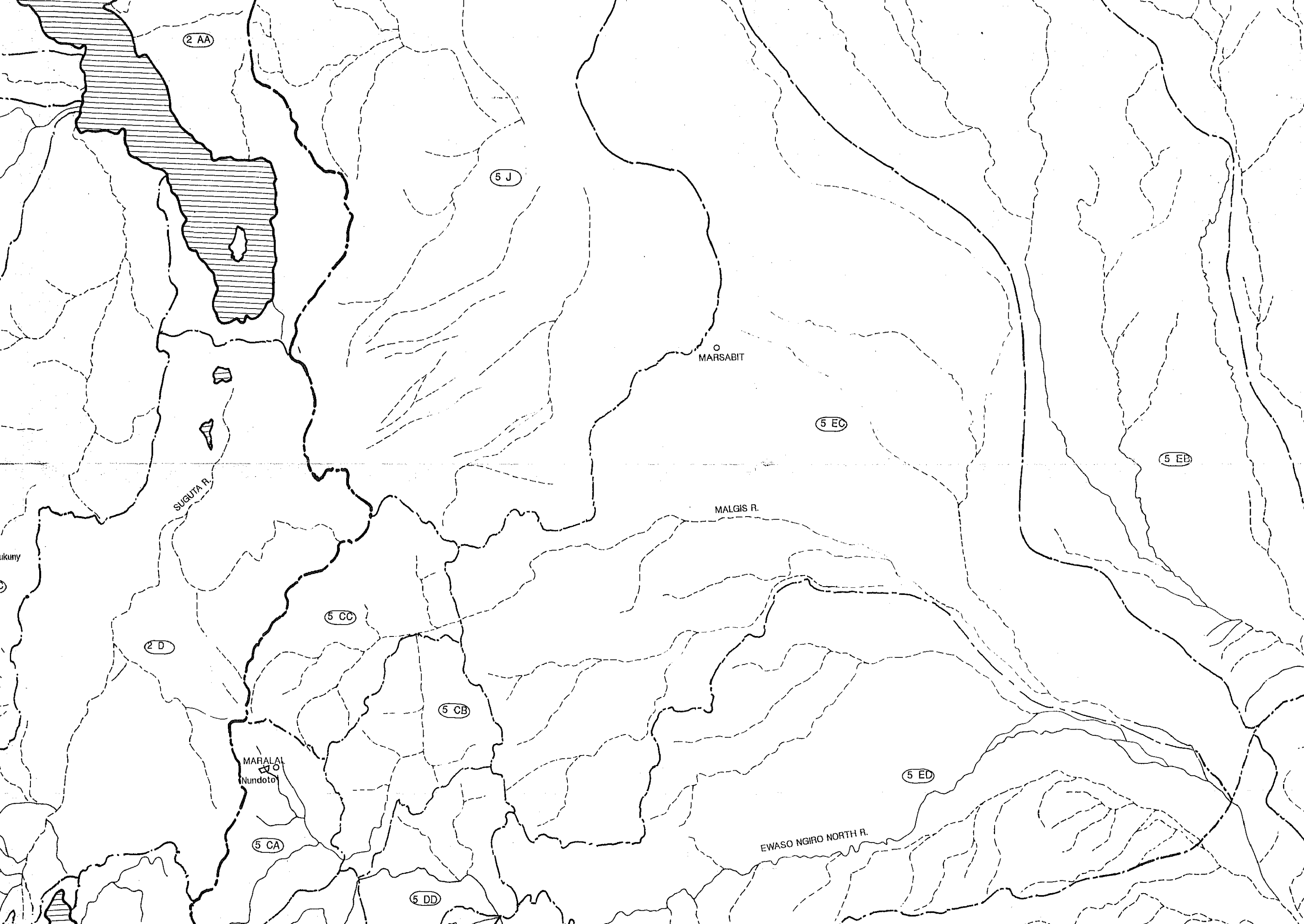
3° N

2° N

UGANDA

1° N





2 AA

5 J

MARSABIT

5 EC

5 ED

SUGUTA R.

MALGIS R.

2 D

5 CC

5 CB

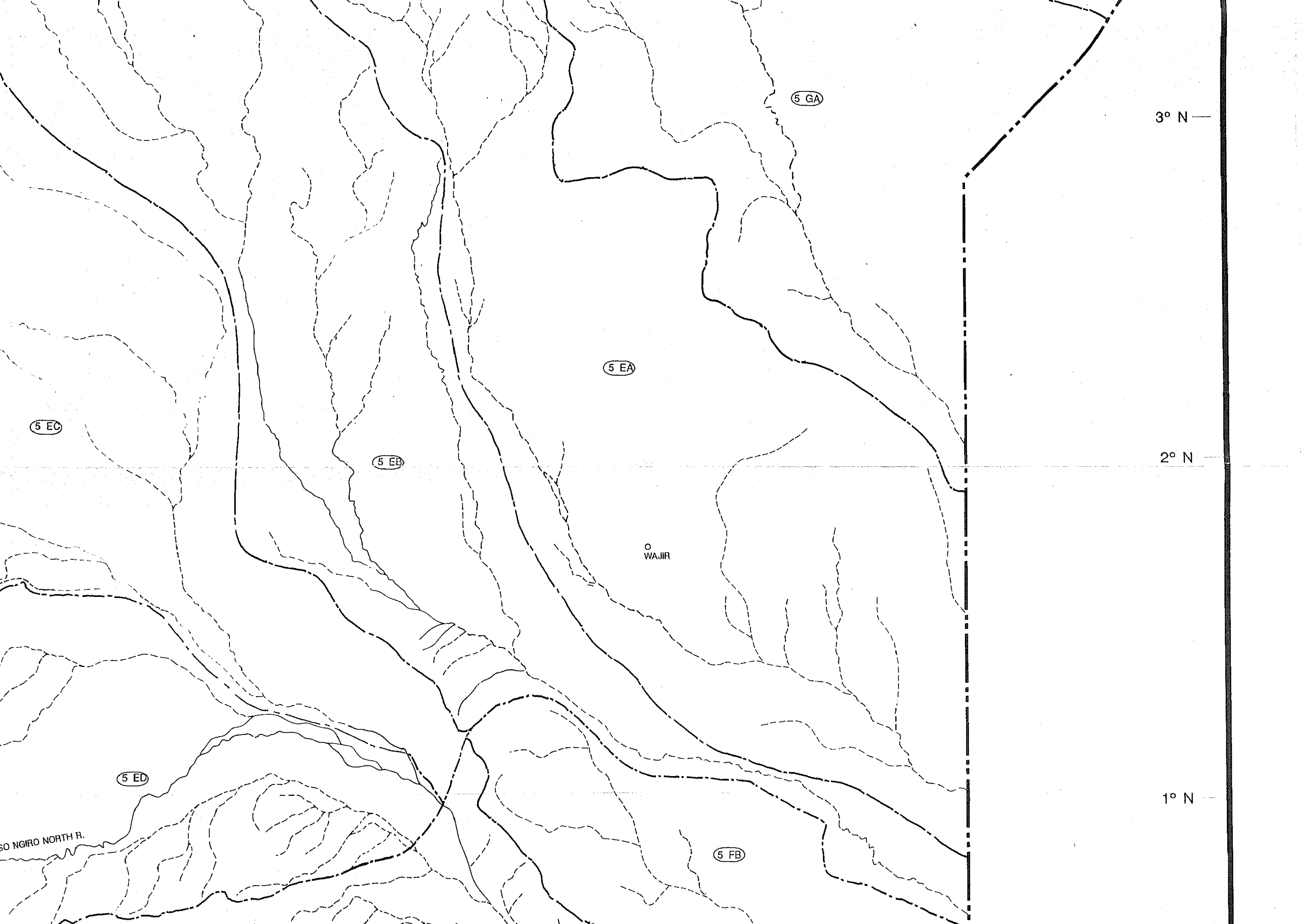
MARALAL  
Nundoto

5 CA

5 ED

EWASO NGIRO NORTH R.

5 DD



3° N —

2° N —

1° N —

5 GA

5 EA

5 EB

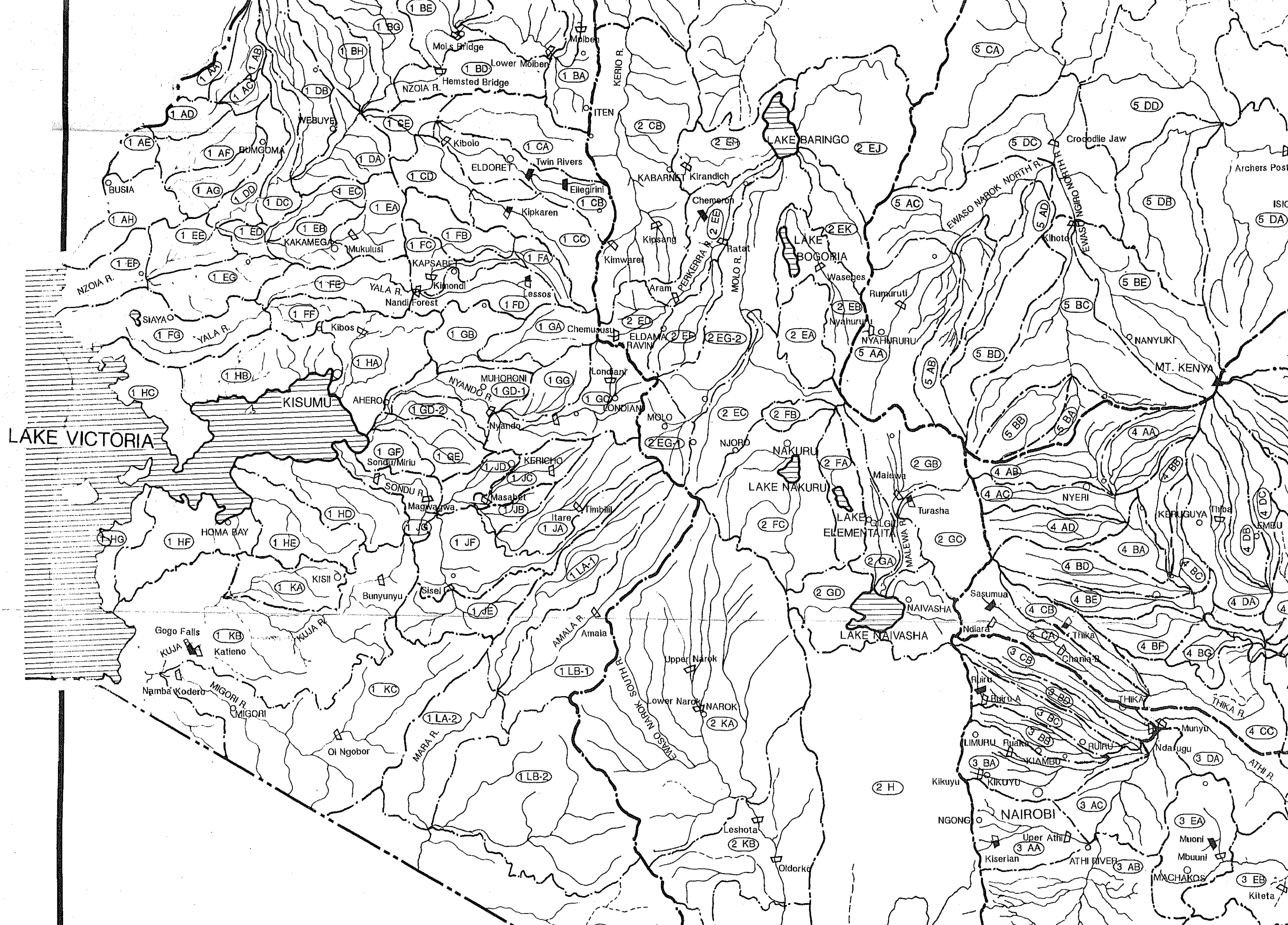
5 EC

5 ED

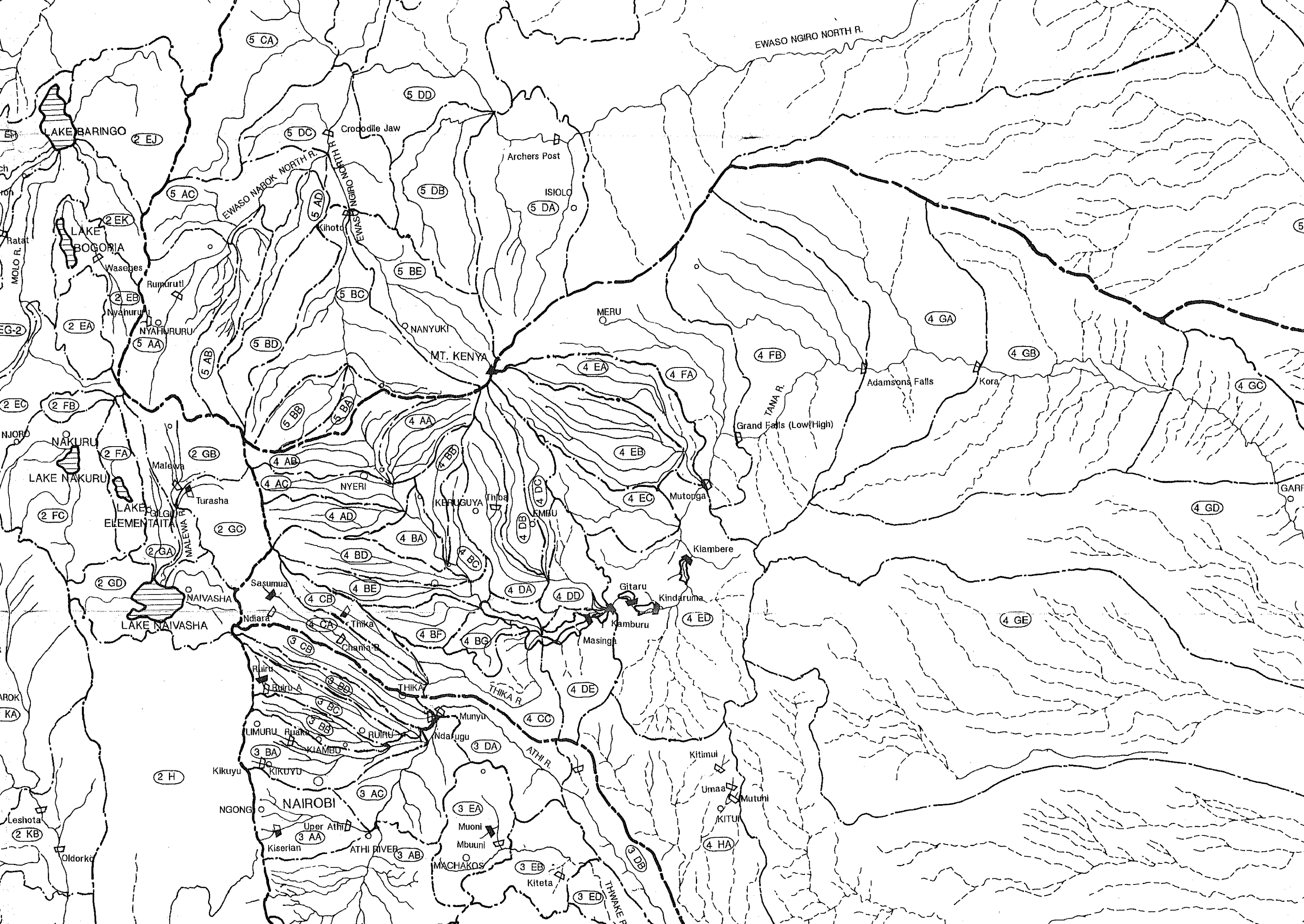
5 FB

WAJIR

NGIRO NORTH R.







NGIRO NORTH R.

(5 FB)

(5 FA)

(4 GA)

(4 GB)

Adamsons Falls

Kora

(4 GC)

(Low/High)

(4 JA)

(4 GD)

GARRISA

(4 GE)

(4 KA)

0°

1° S

(4 KB)

(4 JB)

HOLA  
TANA R.

SOMALIA



# LEGEND



DAMS UNDER-OPERATION

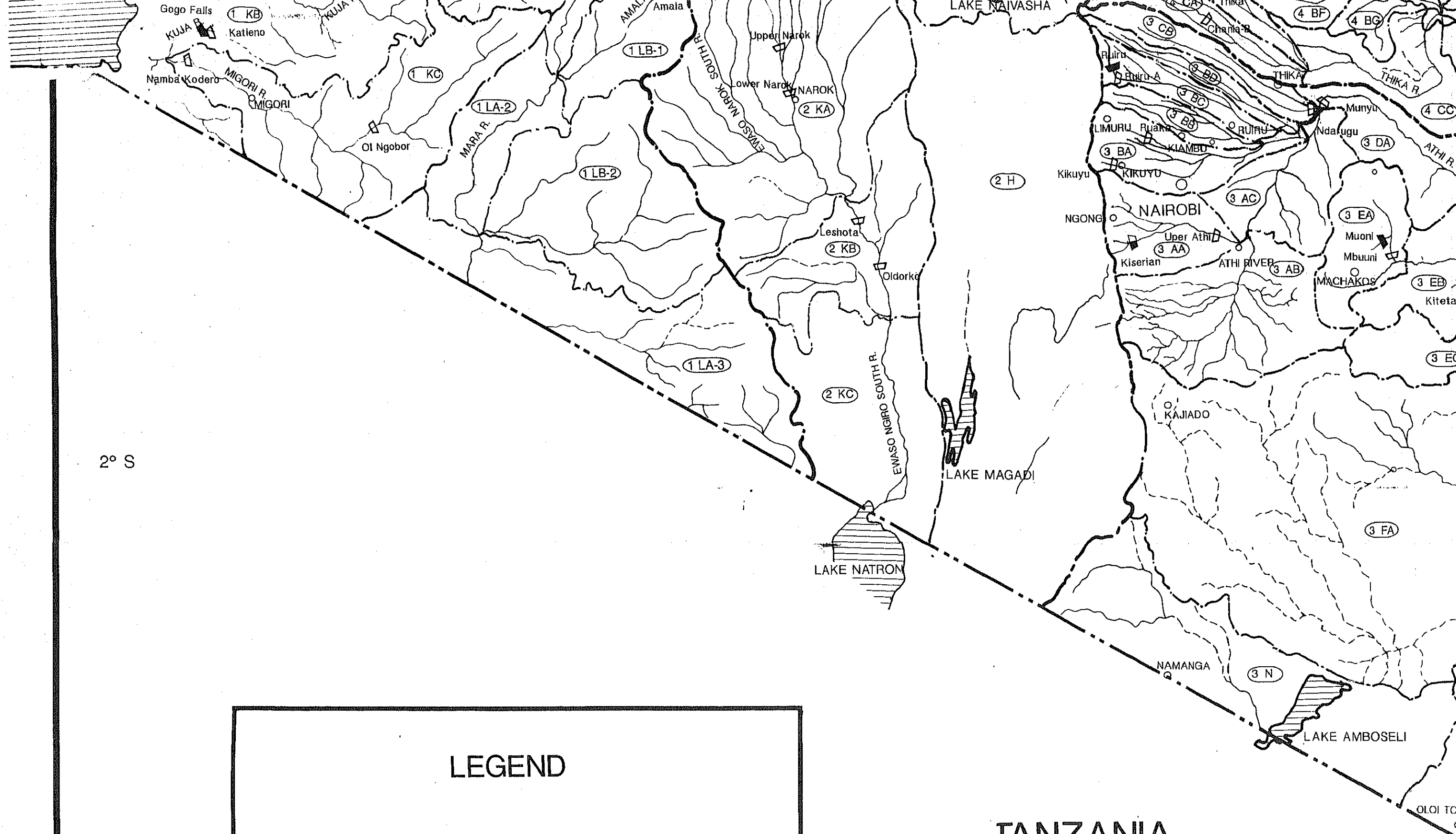


DAMS UNDER-CONSTRUCTION



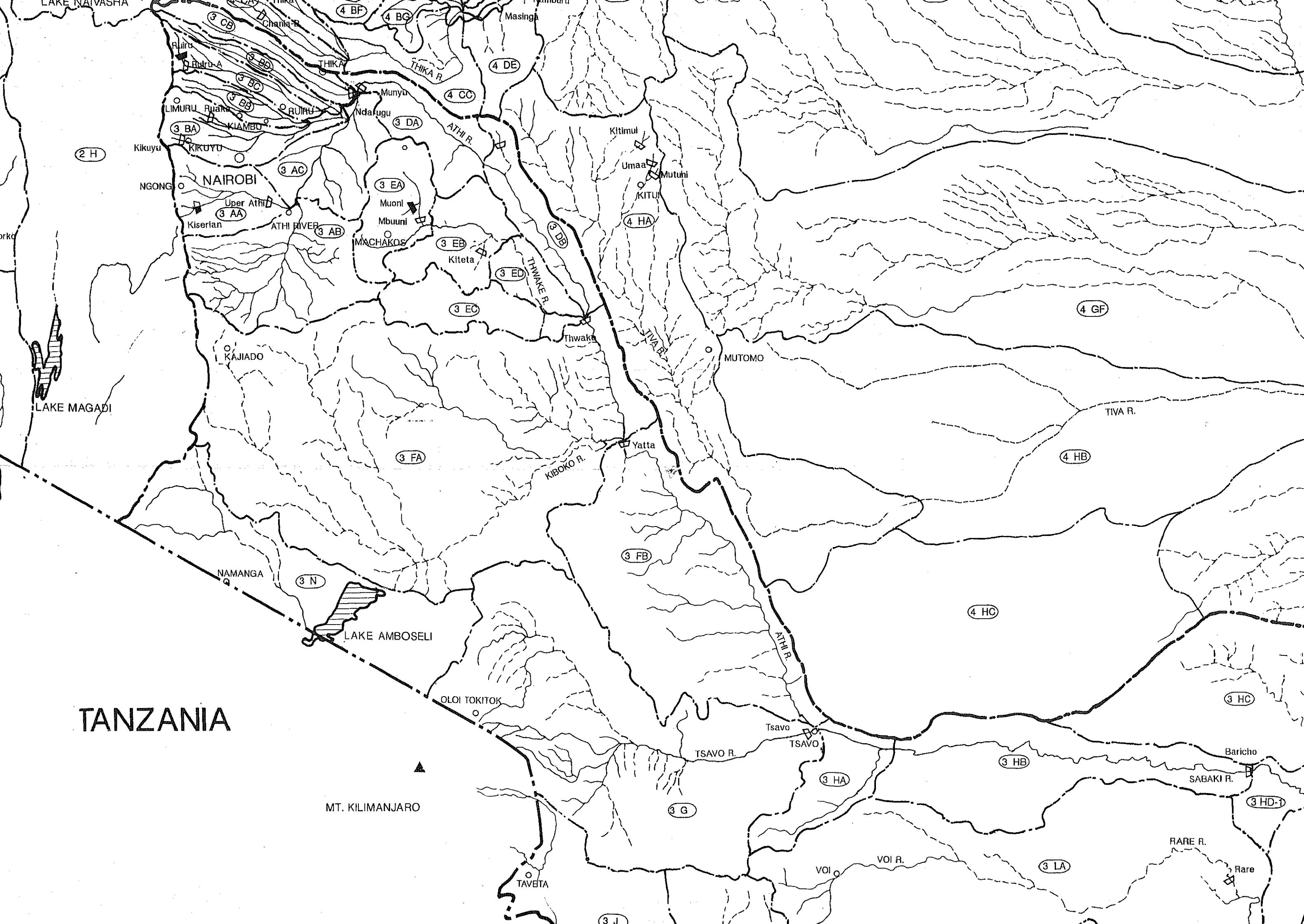
DAMS UNDER-PLANNING

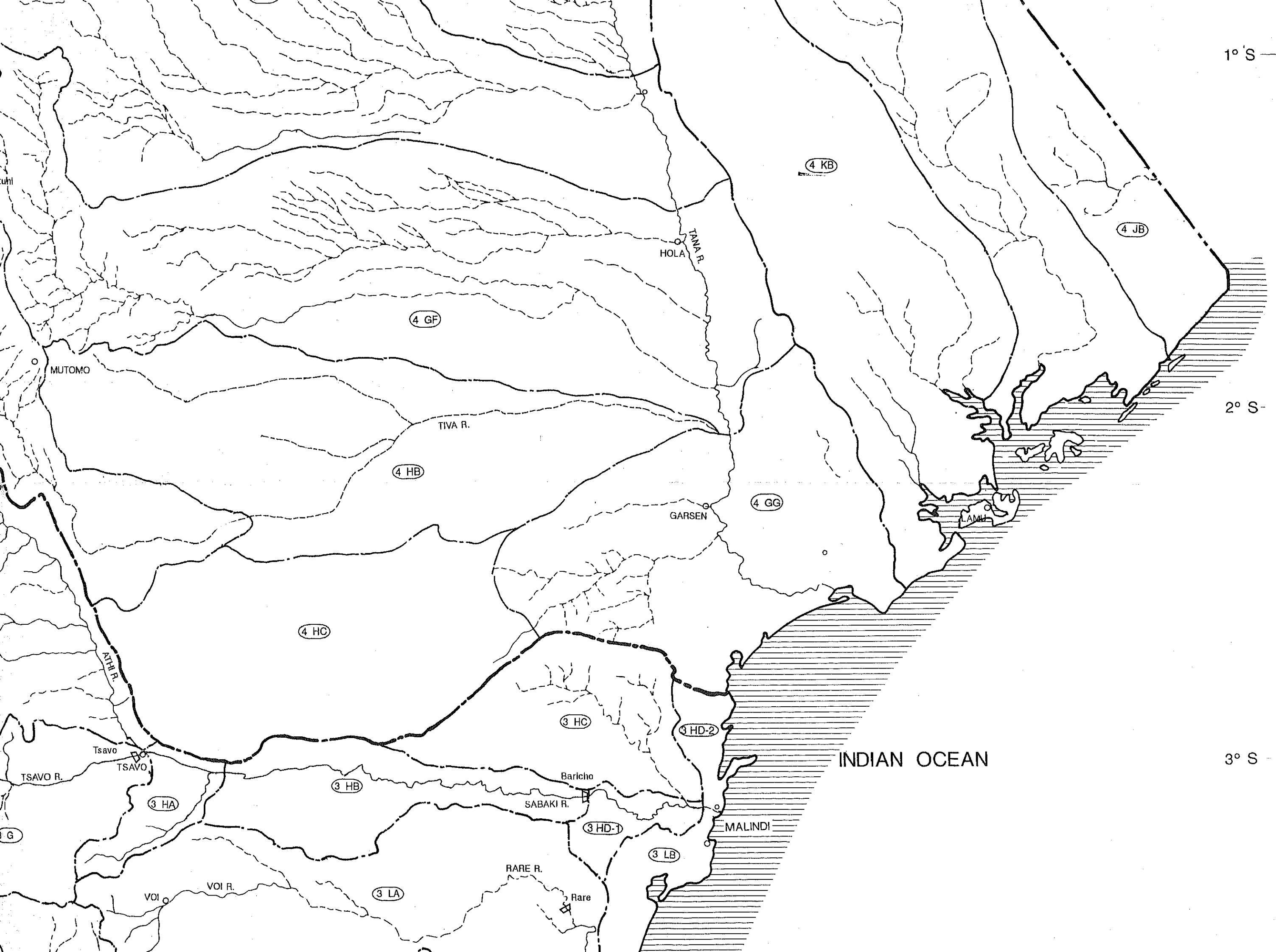
( PROSPECTIVE / POTENTIAL )



TANZANIA

MT. KILIMANJARO





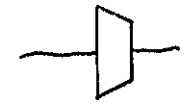
## LEGEND



DAMS UNDER-OPERATION



DAMS UNDER-CONSTRUCTION



DAMS UNDER-PLANNING

( PROSPECTIVE / POTENTIAL )

(DAMS IN DETAILED DESIGN STAGE)

TANZANIA

MT. KILIMANJARO

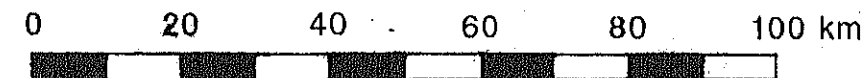
LAKE AMBOSELI

NAMANGA

3 N

OLOI TOKIT

SCALE



## LOCATION OF DAMS IN KENYA

3° S

4° S

34° E

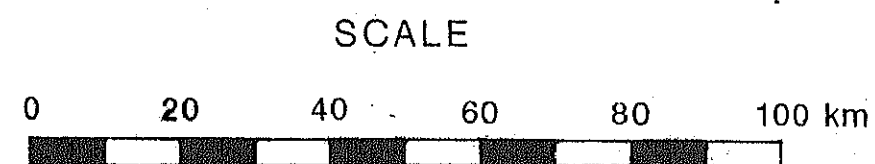
35° E

36° E

37° E

H

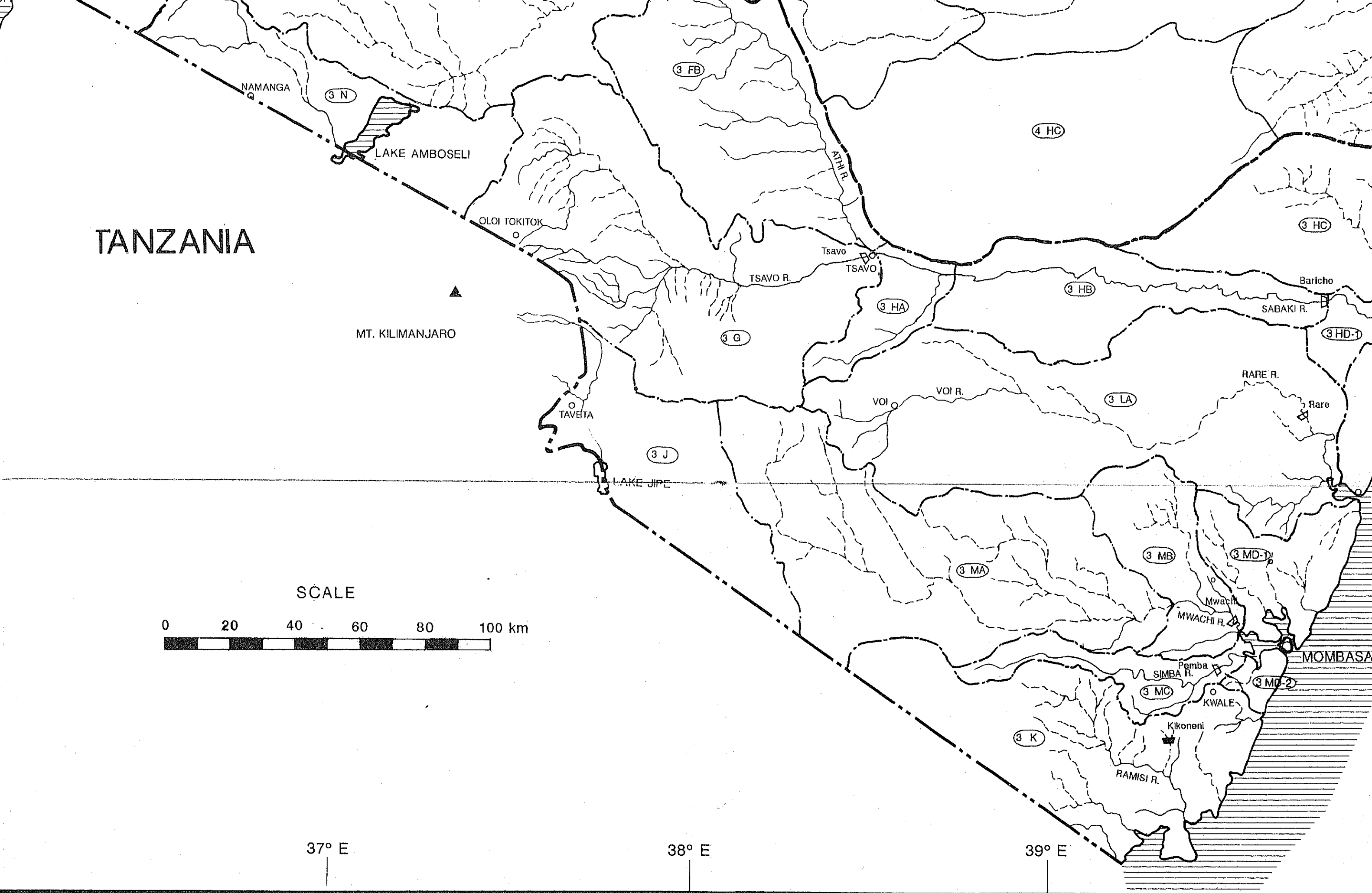
TANZANIA



37° E

38° E

39° E





INDIAN OCEAN

3° S

4° S

39° E

40° E

41° E



3



