

Figure - 12.1 Implementation Schedule of Strengthening Plans for Public Administration, Legislation and Financial Administration

Area/Projects	Executing Agency	Implementation Schedule		
		2000	2005	2010
1. Improvement in Public Administration				
<i>MWR</i>				
1.1 Establish Sewerage Division	MWR, (MOLA)	█		
1.2 Establish Water Resources Management and Regulation Department	MWR	█		
1.3 Hand over water supply schemes to upgraded LA's	MWR, (MOLA)		█	█
1.4 Select community groups to receive water supply schemes and hand over when ready	MWR		█	█
1.5 Strengthen support for rural and community water supply schemes	MWR, (NGOs)		█	█
1.6 Set up independent central regulator for water undertakers and sewerage providers	MWR, (MOLA)		█	
<i>Community Water Supply Schemes</i>				
1.7 Assessment of development options for new and extension schemes	MWR, (MCSS), (NGOs)	█		
1.8 National survey of community schemes	MWR	█		
1.9 Water quality test for community water supply schemes	MWR	█		
<i>Local Authorities and MOLA</i>				
1.10 Commercialise remaining 7 municipal water and sewerage departments (6 under GTZ) and supervise pilot water and sewerage companies	MOLA, (MWR)		█	█
1.11 Upgrade additional 5 municipalities and appoint as water undertakers	MOLA, (MWR)		█	█
1.12 Commercialise 5 municipal water and sewerage departments	MOLA, (MWR)		█	█
<i>NWCPC</i>				
1.13 Hand over water supply schemes to upgraded LA's	MWR		█	█
1.14 Apply scheme allocation criteria to receive hand over water supply schemes from/to MWR	MWR, (NWCPC)	█		
1.15 Organisational, operational, financial review	MWR, (NWCPC)	█		
<i>Personnel Administration</i>				
1.16 Establish pay policy for Civil Service	MWR, (Office of the President), (MOF)	█		
1.17 Review Public Service Commission	MWR	█		
2. Amendment to Legislation				
<i>Short Term</i>				
2.1 Water Act modification	MWR	█		
2.2 Changes to other water related legislation	MWR	█		
2.3 Environmental Management and Coordination Bill Long Term				
<i>Long Term</i>				
2.4 Draft single comprehensive Water Act	MWR		█	█
2.5 Enact single environmental and water law	MWR/MOENR			█
2.6 Establish single enforcement agency for water and environment	MWR/MOENR			█
<i>Implementation of the Law</i>				
2.7 Train provincial and district staff (6 provinces, 64 districts)	MWR, (WAB)	█		
2.8 Conduct PR campaign regarding water legislation in districts	MWR, (MOLA), (MOB)	█		
3. Improvement in Financial Administration				
3.1 Budgeting and funds allocation (incl. Provincial offices)	MOF, (MOP), (MWR)	█		
3.2 Tariff structure and rates for water and sewerage, in MWR, NWCPC and MOLA	MWR, (NWCPC), (MOLA)	█		
3.3 Improve investment method	MWR, (MOLA)		█	█
3.4 Improve billing and collection	MWR, MOLA, Others		█	█
3.5 Technical Assistance for Legislation and Public Administration Development	MWR, (MOLA)	█		

Figure - 12.2 Implementation Schedule of Improvement Plans of Operation and Maintenance Systems

Area/Projects	Executing Agency	Implementation Schedule		
		2000	2005	2010
1. Water Supply O&M Improvement				
1.1 Establish functional metering system	MWR, (MOLA), (NWPC)	█	█	
* Establish necessary training courses		█		
* Train staff (meter readers, accountants, meter, technicians)		█		
* Set up, refurbish meter repair shops		█		
* Repair, acquire meters		█		
* Prepare, conduct public awareness campaign		█		
1.2 Leakage control	MWR, (MOLA), (NWPC)	█	█	█
* Establish new training courses		█		
* Train staff (leakage control technicians)		█		
* Acquire, install master and service meters		█		
* Set up or refurbish detection equipment		█		
* Prepare leak detection programmes		█		
* Implement programmes		█	█	█
1.3 Customer registration	MWR, (MOLA), (NWPC)	█	█	
1.4 Other O&M staff training	MWR, (MOLA), (NWPC)	█	█	█
1.5 Procurement of water tankers (2 vehicles per province)	MWR	█		
1.6 Technical Assistance at Districts for implementing the improvement programme	MWR, (MOLA), (NWPC)	█		
2. Sewerage O&M Improvement				
2.1 Increase operating revenue in each scheme (obtain funds due from water undertaker)	MOLA, (MWR)	█	█	█
2.2 Upgrade staff levels and skills in each scheme	MOLA, (MWR)	█	█	█
* Define organisations, staff levels, skills needed		█		
* Audit of personnel in post		█		
* Identification of vacancies, training needs, nonperforming surplus staff		█		
* Implement above programme		█	█	█
2.3 Procure facilities, equipment and tools	MOLA, (MWR)	█	█	█
* Establish minimum overall needs		█		
* Determine minimum net needs		█		
* Acquire agreed numbers		█	█	█
2.4 Establish preventive maintenance program and standard operating procedures	MOLA, (MWR)	█	█	
* Prepare detailed sewer inventory		█		
* Prepare maintenance schedule		█		
* Develop work order systems		█		
* Prepare standard operating procedures		█		
2.5 Implement industrial wastewater pre-treatment program	MOLA, (MWR)	█	█	
* Prepare inventory of dischargers		█		
* Obtain equipment		█		
* Monitor industrial effluents		█		
2.6 Technical Assistance at each facility to implement improvement programme	MOLA, (MWR)	█	█	

Legend: █ █ █ : On-going actions

Figure - 12.3 (1/3) Implementation Schedule of Urban Water Supply Development Plan

Province	Code	District	Code	Urban Center	Production Capacity to be expanded (1,000m ³ /day)	Project Base Cost (1,000US\$)		Implementation Schedule											
						Reb.	Exp.	2000	2005	2010	Scenario								
											A	B	C						
Central	210	Kiambu	U - 2	Githunguri	2.1	56	1,802												
			U - 3	Karari	4.0	88	0												
			U - 4	Kiambu	2.0	120	0												
			U - 5	Kikuyu	1.7	147	12,492												
			U - 7	Ndumbeni	3.4	0	3,849												
			U - 8	Ruiru	17.8	185	9,712												
			U - 9	Thika	0.5	2,641	651												
	220	Kirinyaga	U - 12	Kerugoya/Kutus	5.7	338	3,956												
			U - 16	Wanguru	0.0	286	0												
	230	Muranga	U - 19	Makuyu	0.1	109	0												
			U - 20	Maragua	4.3	45	1,794												
			U - 21	Muranga	14.9	319	8,195												
	240	Nyandarua	U - 28	Nyahururu	19.9	735	233,722												
			U - 30	Oi Kalou	3.9	59	653												
	250	Nyeri	U - 32	Enderasha	1.1	0	27												
U - 33			Karatina	4.9	247	3,779													
U - 36			Nyeri	28.8	634	19,248													
U - 37			Othaya	0.0	933	0													
Coastal	310	Kilifi	U - 38	Kilifi	2.0	544	1,851												
			U - 39	Majengo	0.8	0	1,120												
			U - 40	Malindi	13.6	1,267	31,564												
			U - 41	Mamburui	0.0	111	0												
			U - 42	Marikani	1.4	236	693												
			U - 43	Watamu	1.3	0	1,390												
	320	Kwale	U - 44	Kwale	0.0	723	0												
			U - 45	Lungalunga	0.7	51	735												
			U - 46	Msambweni	5.2	142	3,795												
	330	Lamu	U - 47	Lamu	3.5	117	678												
			U - 49	Mokowe T.C	1.6	66	1,517												
	350	Taita	U - 54	Taveta	0.0	452	0												
			U - 55	Voi	4.7	380	3,648												
			U - 56	Wundanyi	1.4	407	759												
	360	Yana River	U - 58	Garsen	4.3	57	2,723												
U - 59			Hola	3.8	105	2,038													
Eastern	410	Embu	U - 60	Embu	10.0	655	6,393												
			U - 61	Renyenjes	1.6	62	1,548												
	420	Isiolo	U - 63	Isiolo	9.5	547	10,073												
			U - 64	Madogash	1.0	0	0												
			U - 65	Merti	0.4	33	519												
	430	Kitui	U - 68	Kitui	2.2	365	14,575												
	440	Masaku	U - 69	Athi River	4.5	319	11,971												
			U - 71	Machakos	35.5	627	18,379												
			U - 74	Mateu	4.7	152	3,570												
			U - 77	Tala + Kangundo	7.0	95	5,309												
	450	Marsabit	U - 79	Kargi	2.5	56	1,807												
			U - 80	Korr	2.7	0	1,867												
			U - 82	Marsabit	6.3	65	2,156												
			U - 83	Moyale	3.3	44	2,106												
			U - 84	North Horr	0.8	33	828												
U - 85	Selelo	2.1	33	858															
460	Meru	U - 86	Meru	12.7	570	8,894													
		U - 87	Nkubu	5.0	130	3,728													
470	Nyambene	U - 89	Maua	1.3	106	1,284													
480	Tharaka Nithi	U - 90	Chuka	2.2	99	1,310													
490	Mwingi	U - 91	Mwingi	4.8	145	17,530													
4A0	Makueni	U - 93	Kibwezi	1.1	0	1,185													
		U - 98	Mtito Andei	3.7	454	3,156													
North Eastern	510	Garissa	U - 104	Garissa	10.8	353	0												
			U - 105	Liboi	2.1	63	1,852												
	520	Mandera	U - 108	Etwak	2.2	0	1,901												

Figure - 12.3(2/3) Implementation Schedule of Urban Water Supply Development Plan

Province	Code	District	Code	Urban Center	Production Capacity to be expanded (1,000m ³ /day)	Project Base Cost (1,000US\$)		Implementation Schedule			Scenario			
						Reb.	Exp.	2000	2005	2010	A	B	C	
	530	Wajir	U - 109	Mandera	4.1	140	735							
			U - 110	Rhamu	4.4	46	3,310							
			U - 113	Bute	0.6	54	541							
			U - 114	Eldas	1.7	36	1,653							
			U - 116	Wajir	9.1	38	9,608							
Nyanza	610	Gusii	U - 117	Kisii	11.0	1,012	13,730							
	620	Kisumu	U - 119	Ahero	0.1	33	238							
			U - 120	Kisumu	60.7	1,172	77,257							
			U - 121	Maseno	8.0	0	5,844							
			U - 122	Muhoroni	0.6	176	0							
			U - 123	Asiro	1.3	0	1,391							
	630	Siaya	U - 125	Siaya	7.4	230	3,518							
			U - 129	Homa Bay	12.0	363	8,257							
	640	Homa Bay	U - 130	Kendu Bay	2.4	221	1,961							
			U - 131	Mbita	1.6	0	1,602							
			U - 133	Oyugis	3.7	985	1,680							
			U - 134	Awendo/Sare	2.3	0	0							
	650	Migori	U - 135	Kehancha	2.0	40	0							
			U - 136	Migori	1.4	184	0							
			U - 137	Nyabikaye	1.2	0	1,183							
			U - 138	Rongo	1.8	152	1,581							
660	Nyamaria	U - 139	Keroka	0.8	0	2,084								
		U - 140	Nyamira + Kibirigo	4.8	117	2,280								
Rift Valley	710	Kajiado	U - 141	Kajiado	1.3	533	727							
			U - 142	Magadi	5.2	340	3,709							
			U - 143	Namanga	2.2	111	2,220							
			U - 144	Ngong	2.7	204	0							
			U - 145	Oloitokitoki	13.2	90	12,901							
			U - 146	Ongata Longai	1.1	1,004	0							
	720	Kipsigis	U - 148	Kericho	13.7	778	24,315							
			U - 149	Kipkelion	0.5	41	0							
			U - 151	Londiani	0.8	228	74,987							
			U - 152	Sotik	1.5	0	1,474							
	730	Laikipia	U - 153	Nanyuki	12.4	1,140	6,758							
			U - 154	Rumuruti	1.4	0	23,219							
	740	Nakuru	U - 155	Et Burgon	1.9	81	38,127							
			U - 156	Gilgil	2.3	228	1,564							
			U - 157	Molo	3.1	172	7,478							
			U - 158	Naivasha	16.9	171	19,288							
			U - 159	Nakuru	87.6	4,395	149,505							
			U - 160	Njoro	1.7	59	10,998							
	750	Narok	U - 163	Narok	9.6	249	27,242							
	760	Trans Nzoia	U - 164	Kitale	20.6	1,847	10,926							
	770	Uasin Gishu	U - 165	Burn Forest	0.5	174	0							
			U - 166	Eldoret	17.5	2,690	29,724							
			U - 167	Lemok	1.6	0	1,594							
			U - 169	Moi's Bridge	0.0	212	0							
			U - 170	Simat	3.0	0	3,462							
			U - 172	Turbo	1.2	127	1,143							
790	Transmara	U - 174	Kilgoris	3.0	249	2,566								
810	Baringo	U - 178	Eldama Ravine	0.0	1,129	0								
		U - 179	Kabarnet	26.7	451	38,098								
		U - 180	Maji Mazuri	0.2	98	243								
		U - 181	Marigat	0.0	146	0								
		U - 182	Mogotio	0.4	171	35,672								
820	Elgeyo Marakwet	U - 183	Iten	1.6	95	5,038								
830	Nandi	U - 185	Kapsabet + Boraton	5.7	179	1,479								
840	Samburu	U - 188	Maratlal	0.7	184	500								
		U - 189	Wamba	5.3	75	4,865								
850	Turkana	U - 190	Kakuma T.C	3.5	218	3,132								

Figure - 12.3 (3/3) Implementation Schedule of Urban Water Supply Development Plan

Province	Code	District	Code	Urban Center	Production Capacity to be expanded (1,000m ³ /day)	Project Base Cost (1,000US\$)		Implementation Schedule										
						Reb.	Exp.	2000	2005	2010	Scenario							
											A	B	C					
	S60	West Pokot	U - 191	Kalokot	0.4	43	27											
			U - 194	Lodwar	5.4	260	150											
			U - 195	Lokitaung	0.7	79	27											
			U - 197	Kapenguria	3.4	139	2,833											
			U - 198	Makutano	3.3	101	2,836											
Western	910	Bungoma	U - 199	Bungoma	12.1	641	6,472											
			U - 200	Chapatais	0.0	505	0											
			U - 202	Kikihii	37.1	475	23,414											
			U - 203	Mawalie + Malakisi	1.2	0	1,305											
			U - 205	Webuye	14.9	300	10,159											
	920	Busia	U - 206	Busia	12.7	455	3,422											
			U - 207	Malaba Town	1.3	0	0											
			U - 208	Nambale	1.0	43	1,129											
	930	Kakamega	U - 209	Butere	4.0	74	3,102											
			U - 210	Kakamega	16.9	1,161	10,751											
			U - 211	Mumias	9.2	292	5,340											
	940	Vihiga	U - 213	Luanda	23.6	309	15,331											
			U - 214	Mbale	6.3	114	34											
U - 215			Vihiga + Majengo	4.3	41	0												
Total					1,315.1	44,505	1,243,036											

Legend




-  : Feasibility study, detailed design and financial arrangement and pre-construction procedures
-  : Construction period
-  : Pre-construction stage and construction period

Figure - 12.4 (1/2) Implementation Schedule of Rural Water Supply Development Plan

Province	Code	District	Type	Existing Schemes	Proposed Projects				Implementation Schedule															
					Nos.	Nos.	Pro. Cap (m ³ /d)	Cost (1,000US\$)		2000	2001	2002	2003	2004	2005	Scenario								
								Reh	Exp							A	B	C						
Central	210	Kisumu	LS	18	0	0	5,805	0																
			SS	-	1,179	6,730	-	2,334																
	220	Kirinyaga	LS	14	0	0	4,515	0																
			SS	-	0	0	-	0																
	230	Muranga	LS	5	0	0	1,613	0																
			SS	-	1,835	10,478	-	3,633																
	240	Nyanjira	LS	8	0	0	2,580	0																
			SS	-	0	0	-	0																
	250	Nyeri	LS	4	0	0	1,290	0																
			SS	-	0	0	-	0																
Coastal	310	Kilifi	LS	4	0	0	1,290	0																
			SS	-	2,416	13,804	-	4,784																
	320	Kwale	LS	2	0	0	645	0																
			SS	-	2,080	11,883	-	4,418																
	330	Lamu	LS	1	0	0	323	0																
			SS	-	37	207	-	73																
	340	Mombasa	LS	5	6	3,106	1,613	9,395	0															
			SS	-	0	0	-	0																
	350	Taita	LS	6	0	0	1,935	0																
			SS	-	0	0	-	0																
	360	Tana River	LS	2	0	0	645	0																
			SS	-	123	694	-	244																
Eastern	410	Embu	LS	6	0	0	1,935	0																
			SS	-	648	3,694	-	1,283																
	420	Isiolo	LS	2	0	0	645	0																
			SS	-	0	0	-	0																
	430	Kitui	LS	3	0	0	958	0																
			SS	-	896	5,112	-	1,774																
	440	Masake	LS	12	0	0	3,870	0																
			SS	-	1,363	7,755	-	2,699																
	430	Marsabit	LS	13	0	0	4,193	0																
			SS	-	6	0	-	0																
	460	Meru	LS	3	0	0	958	0																
			SS	-	0	0	-	0																
	470	Nyambene	LS	10	0	0	3,225	0																
			SS	-	764	4,362	-	1,513																
	480	Fharaka Nithi	LS	4	0	0	1,290	0																
			SS	-	110	626	-	218																
	490	Mwingi	LS	2	9	6,815	645	15,328	0															
			SS	-	523	2,985	-	1,036																
4A0	Makueni	LS	4	0	0	1,290	0																	
		SS	-	1,344	7,671	-	2,661																	
North-Eastern	510	Garissa	LS	7	0	0	2,258	0																
			SS	-	28	151	-	55																
	520	Mandera	LS	6	5	2,594	1,935	7,829	0															
			SS	-	212	1,189	-	420																
	530	Wajir	LS	12	2	665	3,870	914	0															
			SS	-	10	51	-	20																
Nyanza	610	Gusii	LS	6	0	0	1,935	0																
			SS	-	8,233	47,036	-	16,201																
	620	Kisumu	LS	11	0	0	3,548	0																
			SS	-	610	3,453	-	1,208																
	630	Siaya	LS	14	0	0	4,515	0																
			SS	-	0	0	-	0																
	640	Homa Bay	LS	2	0	0	645	0																
			SS	-	498	2,844	-	966																
	650	Migori	LS	1	0	0	323	0																
			SS	-	3,411	19,436	-	6,754																
660	Nyamira	LS	5	0	0	1,613	0																	
		SS	-	1,078	6,160	-	2,134																	
Rift Valley	710	Kajiado	LS	7	0	0	2,258	0																
			SS	-	99	561	-	196																
	720	Kipsigis	LS	2	0	0	645	0																
			SS	-	3,531	20,199	-	7,063																

Figure - 12.4 (2/2) Implementation Schedule of Rural Water Supply Development Plan

Province	Code	District	Type	Existing Schemes	Proposed Projects				Implementation Schedule									
					Nos.	Nos.	Pro. Cap (m ³ /d)	Cost (1,000US\$)		2000	2005	2010	Scenario					
								Reh	Exp				A	B	C			
	730	Lakipia	LS	1	0	0	323	0										
			SS	-	593	2,379	-	1,174										
	740	Nakuru	LS	7	0	0	2,258	0										
			SS	-	418	2,378	-	828										
	750	Narok	LS	6	7	5,925	1,935	12,196										
			SS	-	524	2,987	-	1,038										
	760	Trans Nzoia	LS	0	0	0	0	0										
			SS	-	2,864	16,358	-	5,671										
	770	Uasin Gishu	LS	8	0	0	2,580	0										
			SS	-	0	0	-	0										
	780	Bomet	LS	3	0	0	968	0										
			SS	-	4,258	24,327	-	8,431										
	790	Transmara	LS	2	9	7,122	645	15,328										
			SS	-	0	0	-	0										
	810	Baringo	LS	4	0	0	1,290	0										
			SS	-	0	0	-	0										
	820	Elgeyo Marakwet	LS	5	0	0	1,613	0										
			SS	-	816	4,655	-	1,616										
	830	Nandi	LS	3	0	0	968	0										
			SS	-	3,119	17,822	-	6,176										
840	Samburu	LS	8	0	0	2,580	0											
		SS	-	0	0	-	0											
850	Turkana	LS	6	5	2,544	1,935	7,829											
		SS	-	0	0	-	0											
860	West Pokot	LS	5	0	0	1,613	0											
		SS	-	0	0	-	0											
Western	910	Bungoma	LS	14	1	433	4,515	1,566										
			SS	-	767	4,361	-	1,519										
920	Busia	LS	9	0	0	2,903	0											
		SS	-	920	5,249	-	1,622											
930	Kakamega	LS	7	0	0	2,258	0											
		SS	-	4,296	24,543	-	8,506											
940	Vihiga	LS	6	8	6,598	1,935	13,762											
		SS	-	1,522	8,690	-	3,014											
Total			LS	295	52	35,853	95,138	84,147										
			SS	-	51,131	291,869	-	101,239										

Legend

LS : Large scale rural water supply

SS : Small scale rural water supply

◻ : Feasibility study, detailed design and financial arrangement and pre-construction procedures

■ : Construction period

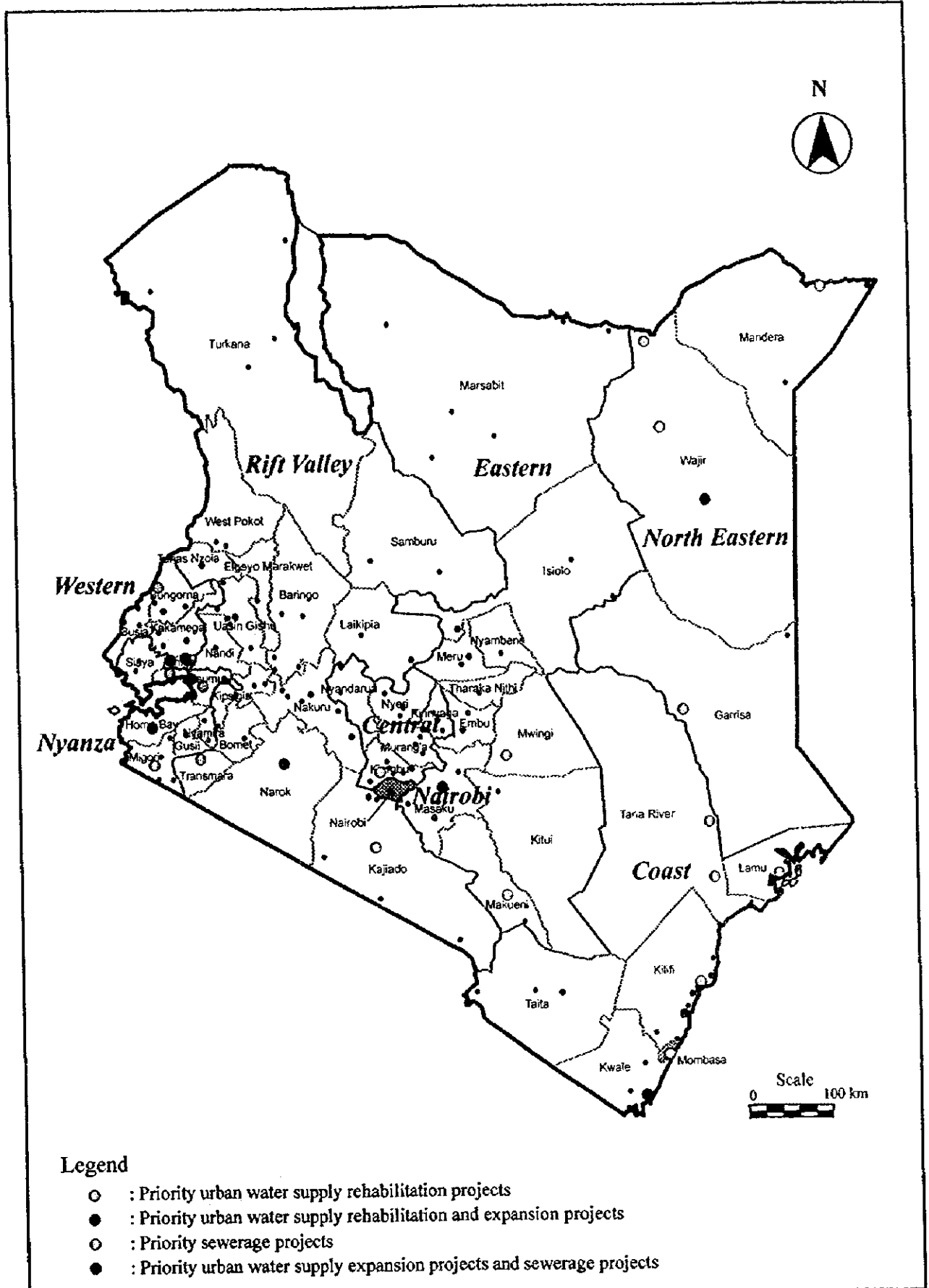
▨ : Pre-construction stage and construction period

Figure - 12.6 Implementation Schedule of Sewerage Development Plan

Province	Code	District	Code	Urban Center	Project Cost (US\$)		Implementation Schedule										
					Treatment Works	Sewer Reticulation	2000	2005		2010		Scenario					
							A	B	C								
Nairobi	110	Nairobi	U-1	Nairobi Dandora	42,224,000	33,535,000											
			U-1	Nairobi Kariakangi	9,897,000	33,662,000											
Rift Valley	740	Nakuru	U-159	Nakuru town	7,782,000	11,335,000											
			U-159	Nakuru-Njoro	6,425,000	3,966,000											
Coastal	340	Mombasa	U-52	Mombasa Phase I	48,225,000	5,884,000											
			U-52	Mombasa Phase II	0	11,936,000											
Nyanza	620	Kisumu	U-120	Kisumu Phase I	4,561,000	13,587,000											
			U-120	Kisumu Phase II	5,022,000	24,304,000											
Rift Valley	770	Uasin Gishu	U-166	Eldoret Conventional	0	7,597,000											
			U-166	Eldoret Ponds	0	7,597,000											
Eastern	440	Masaku	U-71	Machakos Phase I	1,579,000	561,000											
			U-71	Machakos Phase II	1,793,000	343,000											
	460	Meru	U-86	Meru	12,172,000	14,831,600											
Central	250	Nyeri	U-36	Nyeri Conventional	2,310,000	17,000											
			U-36	Nyeri Kiganjo	3,368,000	7,225,000											
Rift Valley	760	Trans Nzoia	U-164	Kitalo conventional	943,000	3,811,000											
			U-164	Kitalo Pond	4,388,000	3,818,000											
Western	930	Kakamega	U-210	Kakamega Shirere	3,691,000	2,761,000											
			U-210	Kakamega Kiambi	0	2,751,000											
Central	210	Kiambu	U-9	Thika	3,255,000	2,630,000											
Rift Valley	740	Nakuru	U-158	Naivasha	3,664,000	5,469,000											
			720	Kipsingis	U-148	Kericho	3,441,000	3,978,000									
Coastal	310	Kilifi	U-40	Malindi	2,675,000	4,732,000											
Western	910	Bungoma	U-205	Webuye	2,468,000	3,464,000											
Nyanza	610	Gusii	U-117	Kisii	1,183,000	3,391,000											
North Eastern	510	Garissa	U-104	Garissa	2,029,000	4,059,000											
Western	910	Bungoma	U-199	Bungoma	2,278,000	3,191,000											
			920	Busia	U-206	Busia (South Teso)	1,874,000	3,017,000									
Rift Valley	730	Laikipia	U-153	Nanyuki	1,609,000	2,249,000											
Eastern	410	Embu	U-60	Embu	1,233,000	1,443,000											
			420	Isiolo	U-63	Isiolo	516,000	1,729,000									
Rift Valley	710	Kajiado	U-145	Ongata Lengai	1,094,000	1,795,000											
Central	230	Maragua	U-20	Maragua	1,078,000	1,768,000											
Rift Valley	750	Narok	U-163	Narok	1,044,000	1,708,000											
Nyanza	640	Homabay	U-129	Homabay	774,000	597,000											
Central	210	Kiambu	U-8	Ruiru	952,000	1,545,000											
North Eastern	530	Wajir	U-116	Wajir	857,000	1,455,000											
Central	230	Muranga	U-21	Muranga	189,000	689,000											
			240	Nyanjarua	U-28	Nyahururu	144,000	401,000									
Coastal	310	Kilifi	U-38	Kilifi	767,000	1,261,000											
North Eastern	520	Mandera	U-109	Mandera	686,000	1,454,000											
Eastern	440	Masaku	U-69	Athi River	583,000	980,000											
Rift Valley	830	Nandi	U-185	Kapsabet	0	721,000											
Rift Valley	710	Kajiado	U-144	Ngong	582,000	864,000											
Coastal	350	Taita	U-55	Voi	499,000	730,000											
Rift Valley	810	Baringo	U-179	Kabernet	478,000	716,000											
Central	210	Kiambu	U-40	Kiambu	0	415,000											
Central	250	Nyeri	U-33	Karatina	553,000	863,000											
			210	Kiambu	U-6	Limuru	242,000	130,000									
Total					116,495,000	231,458,000											

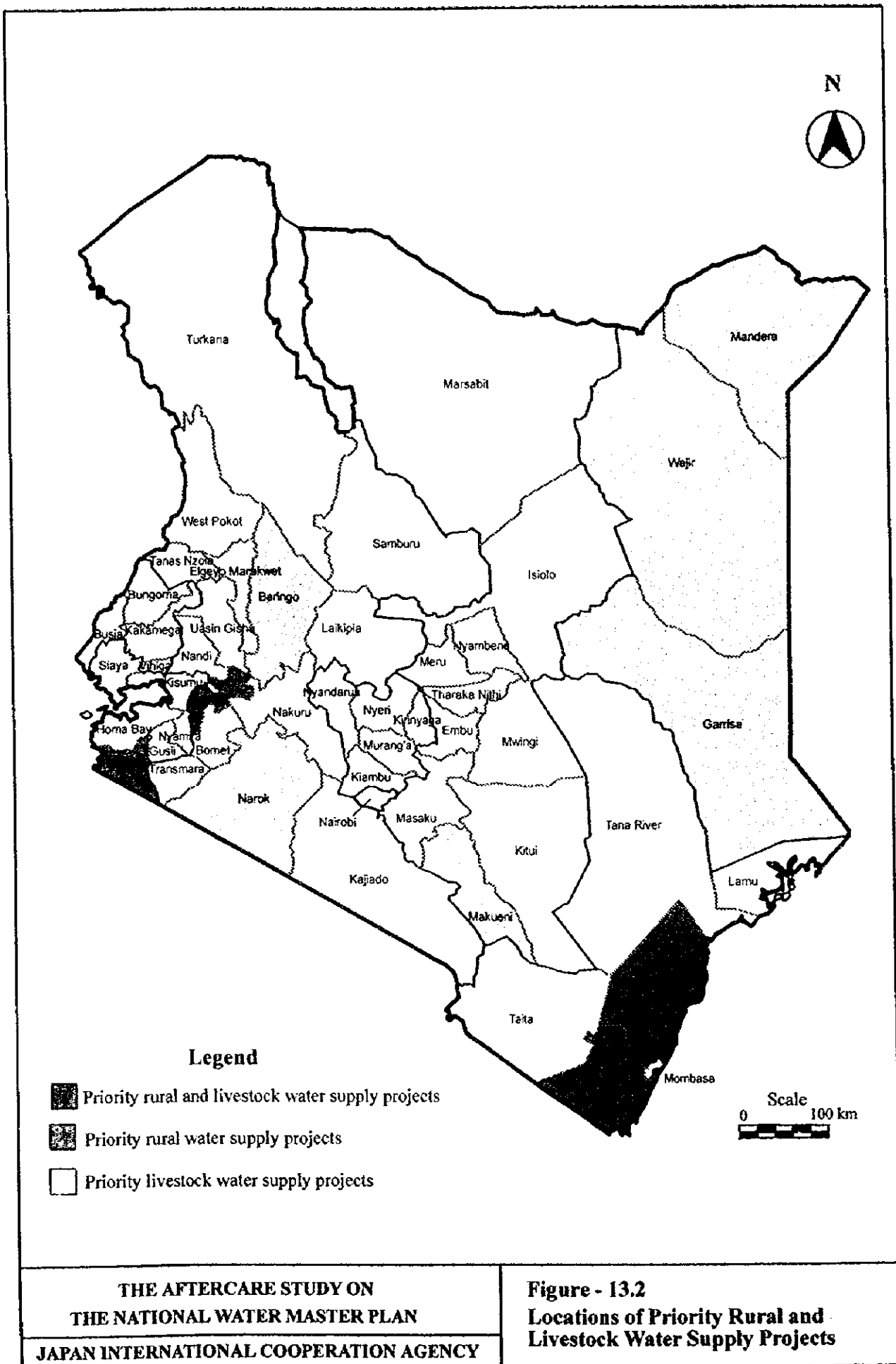
Legend  : Feasibility study, detailed design and financial arrangement and pre-construction procedures

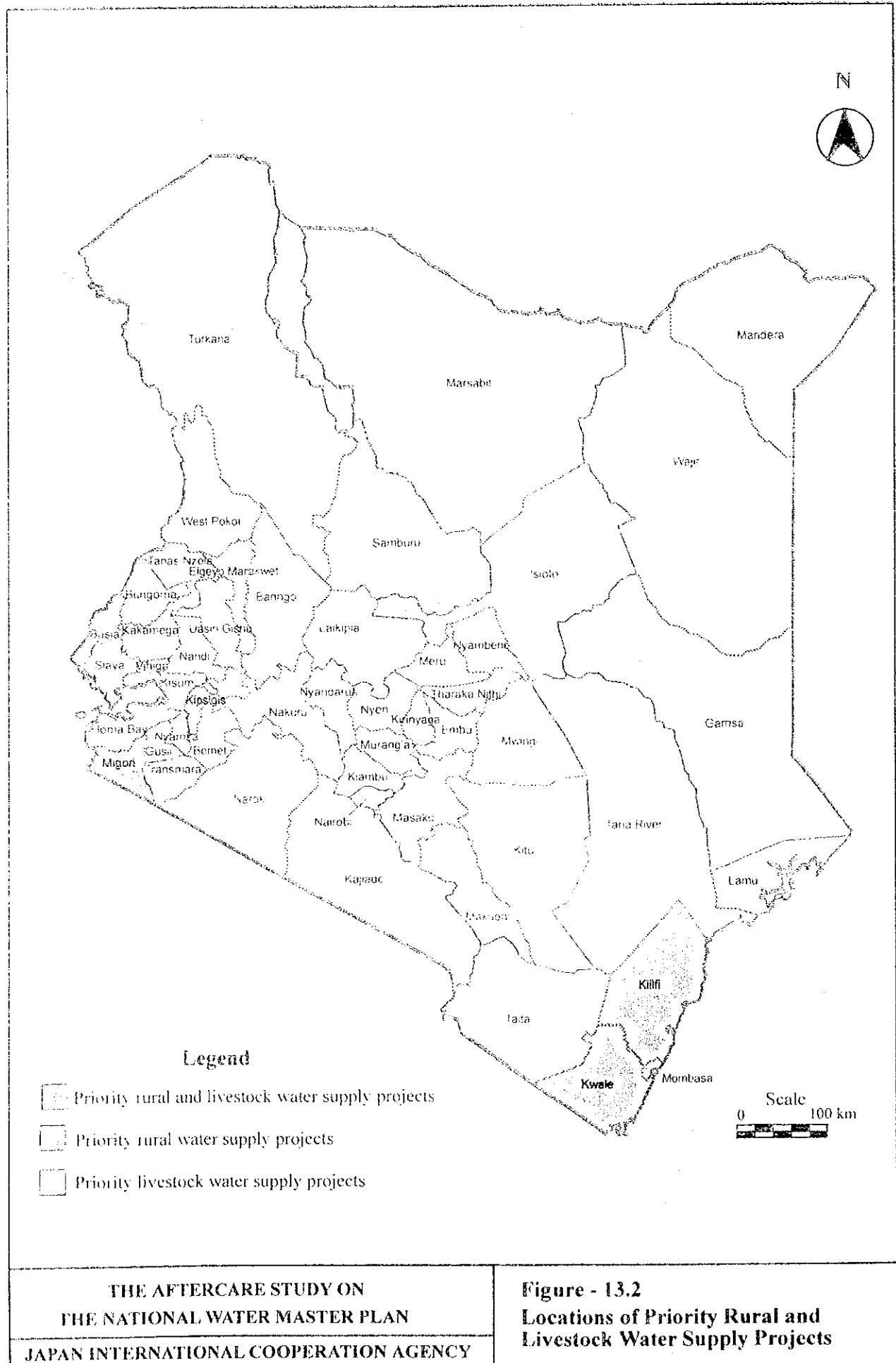
 : Construction period



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

Figure - 13.1
Locations of Priority Urban Water Supply and Sewerage Projects





THE AFTERCARE STUDY ON
THE NATIONAL WATER MASTER PLAN

JAPAN INTERNATIONAL COOPERATION AGENCY

Figure - 13.2
Locations of Priority Rural and Livestock Water Supply Projects







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