

Table - 4.3.1 Safe Yield - Summary of Existing Studies

Code	District	Area (km ²)		N.W.R.P. (1992)			Other Studies								
		Former	Present	Safe Abstraction Yield		Medium-Deep Groundwater		Exploitable Potential		Shallow	Study				
		(m ² /year)	(m ² /year)	Borehole	Shallow	Total	Total Flow	Exploitable Rate (%)	Medium-Deep Groundwater	Exploitable Potential	(m ² /year)	Study	Year		
110	Nairobi	693	693	0	16,510	23	16,510	24							
210	Nairobi	2,587	2,587	907,805	351	44,544	952,700	368							
220	Nairobi	1,485	1,485	528,750	376	34,722	563,472	379							
230	Miranga	2,525	2,525	1,031,007	408	344,403	1,375,410	505							
240	Spurdamua	3,373	3,373	921,987	273	92,954	1,014,941	301							
250	Nyeri	3,266	3,266	1,089,109	333	66,746	1,155,855	354							
310	Kijini	13,006	13,006	5,353,076	412	11,788,206	17,141,274	1,318							WRAP (1996)
320	Kwale	8,260	8,260	3,363,595	649	7,748,533	11,112,128	1,382							
330	Mombasa	6,818	6,818	3,605,400	529	5,715,459	9,320,859	1,367							WRAP (1998)
340	Mombasa	282	282	140,913	500	64,505	205,418	730							
350	Fuji Tawahi	16,965	16,965	8,092,980	677	15,228,153	23,321,133	1,375							
360	Tuna River	38,794	38,794	19,821,859	511	40,263,158	60,085,017	1,550							
410	Embu	2,805	2,805	824,889	294	17,736,190	18,561,079	619							
420	Kitale	25,604	25,604	11,495,339	449	23,594,196	35,089,535	1,370							
430	Kaji	2,805	2,805	2,658,203	324	22,888,304	25,546,507	936							WRAP (1991)
440	Machakos/Makueni	6,249	6,249	3,512,349	382	10,778,282	14,290,631	2,297							WRAP (1986)
450	Marsabit	72,290	72,290	20,421,098	280	27,050,316	47,471,414	654							WRAP (1997)
460	Mtito	9,884	9,884	3,388,102	962	2,240,949	5,629,051	598							WRAP (1991)
470	Nyamira														
480	Tharaka Nithi														
490	Mwingi														
500	Makueni														
510	Garissa	43,392	43,392	14,192,737	327	42,800,905	56,993,642	1,312							
520	Mandera	25,871	25,871	5,260,271	203	23,295,791	28,556,062	1,104							
530	Wajir	56,923	56,923	11,621,566	239	56,759,870	68,381,436	1,236							
610	Kisii/Nyamira	2,198	2,198	768,095	349	1,991,473	2,759,568	1,256							
620	Sisii	2,077	2,077	897,199	408	2,629,877	3,527,076	1,674							
630	Sisii	2,524	2,524	639,352	253	2,227,428	2,866,780	1,136							
640	South Nyanza	3,706	3,706	2,102,360	308	4,427,174	6,529,534	1,720							
650	Mogadi	2,603	2,603												
660	Nyamira	946	946												
710	Keenani	21,756	21,756	6,647,623	306	12,271,226	18,918,849	870							WRAP (1995)
720	Kericho(Kapisisig)	4,940	4,940	1,495,010	296	1,010,012	2,505,022	501							
730	Lolopita	9,162	9,162	3,413,124	373	2,758,321	6,171,445	674							WRAP (1987)
740	Nakuru	7,190	7,190	1,992,360	277	1,349,013	3,341,373	465							
750	Narok	18,005	18,005	4,127,762	229	8,553,310	12,681,072	704							
760	Trans Nzoia	2,467	2,467	601,974	244	1,720,401	2,322,375	942							
770	Uasin Gishu	3,218	3,218	1,096,409	341	536,260	1,632,669	507							
780	Embu	2,371	2,371												
790	Embu	2,874	2,874												
810	Baringo	10,954	10,954	3,667,205	362	3,475,551	7,142,756	679							WRAP (1995)
820	Elgeyo Marakwet	3,049	3,049	460,032	151	2,465,072	2,925,104	959							
830	Nandi	2,764	2,764	488,245	168	1,663,833	2,152,078	766							
840	Samburu	20,808	20,808	5,282,985	254	14,997,422	20,280,407	975							WRAP (1991)
850	Turkana	69,146	69,146	23,332,104	337	31,652,401	54,984,505	1,084							
860	West Pokot	8,937	8,937	1,985,861	222	8,463,944	10,449,805	1,169							WRAP (1994)
910	Bungoma	3,072	3,072	1,152,710	375	1,855,971	3,008,681	979							KEFINC (1990)
920	Burus	1,652	1,652	500,110	303	1,659,538	2,159,648	1,308							KEFINC (1991)
930	Kakamega	3,561	3,561	1,144,220	322	3,115,832	4,259,052	1,198							KEFINC (1990)
940	Vihiga	541	541												
	Total														
							619,178,566								

Data Source: The National Water Master Plan (JICA, 1992)
Shaded: New Districts
Safe Yield of Nairobi: Groundwater abstraction is restricted by a regulation in Nairobi.

Table - 4.3.2 Aquifer Characteristic

Circle	District	Well			Water Level				Pumping Test			Transmissivity (m ² /day)	Stratigraphy					
		Total Depth (m)			Streak Level (m)	Rest Level (m)		Yield (m ³ /hr)	Drawdown (m)		Average							
		Range	Average	Range		Average	Range		Average									
110	Siirah	18	473	153	2	420	113	210	57	0.1	50.0	7.7	176	40	10.5	2.84E-02		
210	Kiambu	12	341	154	2	290	100	265	46	0.1	45.5	8.5	1	190	42	26.2	2.87E-02	
220	Kirinyaga	48	146	81	24	110	50	93	22	0.6	16.2	6.1	5	93	36	2.4	8.59E-01	
230	Miranga	15	218	103	3	183	67	118	183	0.6	56.7	6.0	5	183	58	0.6	3.61E-03	
240	Nvandarua	6	300	126	3	276	107	238	68	0.1	27.3	5.1	2	98	30	4.6	1.66E-02	
250	Sveni	33	244	122	9	170	85	116	50	0.1	19.4	5.9	2	108	40	0.7	3.39E-03	
310	Kiui	4	310	71	1	226	47	150	28	0.1	38.2	5.9	1	81	18	5.2	1.48E-02	
320	Kwale	7	307	63	5	235	39	118	20	1.0	56.8	5.1	0	130	12	5.2	1.50E-02	
330	Lamu	9	112	53	8	24	14	22	12	1.7	36.0	9.2	2	22	2	66.1	9.33E-02	
340	Mombasa	1	154	63	13	90	29	45	20	0.5	35.4	7.1	1	107	7	66.1	9.33E-02	
350	Taita Taveta	5	276	75	2	145	50	123	23	0.1	127	7.6	0	15.9	27	15.9	3.27E-02	
360	Tana River	6	181	124	80	150	95	140	88	1.8	3.2	2.3	23	25	24	33.3	1.50E-02	
410	Eppoi	22	158	59	7	186	44	11	17	0.2	43.2	4.2	2	94	32	4.2	1.58E-02	
420	Isiolo	11	214	98	7	207	67	140	43	0.2	30.0	7.1	1	96	24	9.0	2.90E-02	
430	Kiui	22	198	91	3	143	45	108	26	0.1	137	4.3	1	132	45	10.8	3.26E-02	
440	Machakos/Makueni	9	245	100	1	214	70	165	33	0.1	46.0	5.3	1	150	46	4.9	2.12E-02	
450	Marsabit	13	388	102	2	314	72	247	59	0.1	32.7	5.1	0	88	23	18.6	2.30E-02	
460	Meru	17	318	87	10	170	66	156	41	0.1	36.0	7.2	0	312	27	13.7	1.89E-02	
470	Nyamene	17	318	87	10	170	66	156	41	0.1	36.0	7.2	0	312	27	13.7	1.89E-02	
480	Tharaka Nithi	17	318	87	10	170	66	156	41	0.1	36.0	7.2	0	312	27	13.7	1.89E-02	
490	Mwingi	22	198	91	3	143	45	108	26	0.1	137	4.3	1	132	45	10.8	3.26E-02	
500	Makueni	9	245	100	1	214	70	165	33	0.1	46.0	5.3	1	150	46	4.9	2.12E-02	
510	Garissa	11	252	118	3	185	102	219	92	0.1	9.6	3.9	1	24	29.9	24	29.9	6.70E-02
520	Mandera	41	300	142	8	253	95	179	63	0.1	126	3.7	1	211	25	0.81	2.50E-03	
530	Wajir	9	300	119	7	216	98	190	76	0.1	126	3.7	1	211	25	0.81	2.50E-03	
610	Kisii/Nyamira	40	184	85	2	114	44	48	16	0.3	13.5	4.8	5	144	43	1.5	6.57E-03	
620	Kisumu	6	327	96	1	192	67	105	21	0.1	45.6	11.1	1	130	35	10.6	1.44E-02	
630	Siaya	25	200	59	7	104	41	46	38	0.2	20.8	4.2	1	120	17	10.7	2.46E-02	
640	South Nyanza	21	214	76	7	192	54	100	19	0.1	19.2	4.5	1	143	30	12.2	1.59E-02	
650	Migori	21	214	76	7	201	54	100	19	0.1	19.2	4.5	1	143	30	12.2	1.59E-02	
660	Nyamira	40	184	85	2	114	44	48	16	0.3	13.5	4.8	5	144	43	1.5	6.57E-03	
710	Kajiado	20	292	126	5	223	106	116	49	0.1	36.4	7.2	3	160	55	0.41	2.25E-03	
720	Kajiado	30	244	146	9	141	44	44	44	0.1	40.6	5.1	2	204	65	1.8	5.06E-03	
730	Lakipia	19	308	126	7	307	105	287	70	0.1	41.4	8.6	0	116	27	109.4	1.79E-01	
740	Nakuru	10	939	135	1	280	107	287	70	0.1	41.4	8.6	0	116	27	109.4	1.79E-01	
750	Narok	48	305	147	6	267	82	213	56	0.2	11.3	4.4	0	81	38	3.01	1.06E-02	
760	Trans Nzoia	15	203	66	3	109	39	55	18	0.1	11.3	4.4	0	142	35	7.3	2.16E-02	
770	Uasin Gishu	9	259	78	3	259	54	101	16	0.1	30.2	3.7	0	212	49	0.41	2.25E-03	
780	Bomet	30	244	146	9	223	106	116	49	0.1	36.4	7.2	3	160	55	0.41	2.25E-03	
790	Tegusmara	48	305	147	6	267	82	213	56	0.2	11.3	4.4	0	81	38	3.01	1.06E-02	
810	Baringo	23	288	139	5	264	108	204	69	0.7	30.0	8	1	137	26	14.2	2.49E-02	
820	Elgeyo Marakwet	47	188	112	33	176	67	85	38	0.4	9.9	4.9	3	114	32	5.3	3.05E-02	
830	Nandi	27	183	95	21	112	46	39	16	0.5	16.4	6	1	70	40	0.41	1.56E-03	
840	Samburu	13	206	97	1	169	64	146	31	0.2	21.8	4.2	1	145	57	14.0	8.53E-03	
850	Turkana	2	254	64	2	206	37	107	18	0.1	26.6	5.1	0	96	16	55.2	2.01E-02	
860	West Pokot	32	202	78	9	96	46	4	59	22	0.1	16.4	2.6	1	185	22	2.5	1.28E-02
910	Bungoma	25	150	60	2	91	39	56	12	0.1	15.0	3.2	0	114	27	3.3	3.99E-02	
920	Busia	22	145	54	4	84	37	59	13	0.1	18.0	3.3	1	85	14	7.8	1.64E-02	
930	Kakamega/Vihiga	22	116	48	3	102	32	49	11	0.4	16.7	4.1	1	103	17	15.3	2.74E-02	
940	Vihiga	22	116	48	3	102	32	49	11	0.4	16.7	4.1	1	103	17	15.3	2.74E-02	

Data Source: The National Water Master Plan (JICA, 1992)

Shaded: New Districts

Table - 4.3.3 Groundwater Pumping Potential for 20 Years Operation

Code	DISTRICT	Area (km ²)	YIELD (m ³ /hr)	Maximum Groundwater Potential				Safe Yield for 20 years Operation			
				Optimum Daily Operation Hours	Pumping Potential		Well		Safe Yield factor	Safe Yield	
					(m ³ /year/km ²)	(m ³ /year/district)	Area needed for a Well (km ²)	Well nos. in the District (nos.)		(m ³ /year/km ²)	(m ³ /year/district)
110	Nairobi	693			Development is restricted by a regulation						
210	Kianibu	2,587	8.5	4	2,343	6,062,259	5.3	487	12%	281	727,471
220	Kirinyaga	1,485	5.3	4	3,887	5,771,472	2.0	738	12%	466	692,577
230	Maranga	2,525	5.9	4	7,630	19,264,658	1.1	2,233	12%	916	2,311,759
240	Nyamirua	3,373	5.3	12	3,288	11,088,874	7.1	477	12%	395	1,330,665
250	Nyeri	3,266	6.0	12	5,815	18,992,530	4.5	722	12%	698	2,279,104
310	Kilifi	13,006	5.7	6	3,257	42,363,850	3.8	3,423	12%	391	5,083,662
320	Kwale	8,260	4.4	6	534	4,412,900	18.1	456	12%	64	529,548
330	Lamu	6,818	12.1	6	4,295	29,285,684	6.2	1,107	12%	515	3,514,282
340	Mombasa	282	4.1	12	2,556	720,868	7.1	39	12%	307	86,504
350	Taita	16,965	7.6	4	3,515	59,635,929	3.1	5,402	12%	422	7,156,311
360	Tana River	38,782	2.1	6	399	15,484,882	11.3	3,421	12%	48	1,858,186
410	Embu	2,805	4.1	4	2,959	8,300,678	2.0	1,395	12%	355	996,081
420	Isiolo	25,604	6.0	4	4,366	111,777,208	2.0	12,740	12%	524	13,413,265
430	Kitui	19,892	3.9	4	2,857	56,824,444	2.0	9,898	12%	343	6,818,933
440	Masaku	6,249	5.3	4	4,995	31,211,686	1.5	4,061	12%	599	3,745,426
450	Marsabit	72,290	5.0	4	1,368	98,862,174	5.3	13,622	12%	164	11,863,461
460	Moru	3,523	6.2	4	1,701	5,992,792	5.3	663	12%	204	719,135
470	Nyambene	4,066	6.2	4	1,701	6,916,462	5.3	766	12%	204	829,975
480	Tharaka Nithi	2,295	6.2	4	1,701	3,903,905	5.3	432	12%	204	468,469
490	Mwingi	9,911	3.9	4	2,857	28,312,239	2.0	4,931	12%	343	3,397,469
4A0	Makueni	7,219	5.3	4	4,995	38,554,097	1.5	5,016	12%	599	4,626,492
510	Garissa	43,392	10.3	4	4,779	207,383,815	3.1	13,819	12%	574	24,886,298
520	Mandera	25,871	4.6	10	2,701	69,885,730	6.2	4,203	12%	324	8,386,408
530	Wajir	56,923	4.3	10	2,572	145,400,686	6.2	9,249	12%	309	17,568,082
610	Gusii	1,252	4.3	4	4,079	5,106,993	1.5	813	12%	489	612,839
620	Kisumu	2,077	10.2	4	2,794	5,804,040	5.3	391	12%	335	696,485
630	Siaya	2,524	5.3	6	2,560	6,460,509	4.5	558	12%	307	775,261
640	Homa Bay	3,105	4.5	4	1,250	3,882,047	5.3	585	12%	150	465,846
650	Migori	2,603	4.5	4	1,250	3,254,418	5.3	490	12%	150	390,530
660	Nyamira	946	4.3	4	4,079	3,858,798	1.5	614	12%	489	463,056
710	Kajiado	21,756	7.3	4	6,952	151,256,000	3.8	5,726	12%	834	18,150,720
720	Kipsigis	2,569	7.1	4	7,688	19,750,999	1.1	2,272	12%	923	2,370,120
730	Lakipia	9,162	5.2	4	3,023	27,698,721	1.5	5,954	12%	363	3,323,847
740	Nakuru	7,190	8.7	6	5,149	37,019,131	1.5	4,673	12%	618	4,442,296
750	Narok	15,128	4.2	6	3,029	45,824,494	2.5	5,947	12%	363	5,498,939
760	Trans Nzoia	2,467	2.3	10	1,669	4,117,659	6.2	400	12%	200	494,119
770	Uasin Gishu	3,218	2.8	4	2,776	8,933,607	2.0	1,601	12%	333	1,072,033
780	Bomet	2,371	7.1	4	7,688	18,228,734	2.0	1,179	12%	923	2,187,448
790	Transmara	2,874	4.2	6	3,029	8,705,685	16.6	173	12%	563	1,044,682
810	Baringo	10,954	7.7	4	2,946	32,275,074	2.0	5,450	12%	354	3,873,009
820	Elgeyo Marakwet	3,049	4.5	4	5,821	17,748,897	12.6	242	12%	699	2,129,868
830	Nandi	2,784	5.6	4	4,066	11,318,534	2.0	1,385	12%	488	1,358,224
840	Samburu	20,808	4.3	6	566	11,782,903	1.5	13,523	12%	68	1,413,948
850	Turkana	69,145	5.0	4	578	39,999,152	12.6	5,505	12%	69	4,799,898
860	West Pokot	8,937	3.5	6	3,861	34,503,915	2.0	4,447	12%	463	4,140,470
910	Bungoma	3,072	3.5	6	845	2,594,756	9.1	338	12%	101	311,371
920	Busia	1,652	4.0	4	1,843	3,044,722	3.1	526	12%	221	365,367
930	Kakamega	3,026	4.6	6	1,909	5,766,190	5.3	569	12%	229	691,943
940	Vihiga	541	4.6	6	1,909	1,032,950	7.1	76	12%	229	123,954
Average			6.3	5	3,256	31,375,142	4.8	162,737	12%	184,485,831	

Assumptions: Draw-down of groundwater level is not more than 20 m at pumping well after 20 years operation.
Adjacent wells are located at a double distance of draw-down influence radius.
Draw-down influence radius is calculated as the distance to a point where draw-down is not more than 0.1 m, from the well.
Safe Yield Factor: Twelve (12) percent of drilled boreholes can be operational for 20 years with a draw-down of not more than 15 m at the borehole, according to the method of NWMP (1992).

Table - 4.3.4 Comparison of Safe Yield Estimation (Borehole)

Code	Direct		Area (km ²)	NWMP (m ³ /year/district)	Aftercare Study (m ³ /year/district)	Difference
110	Nairobi		693			
210	Kiambu		2,587	907,805	727,471	-180,334
220	Kirinyaga		1,485	528,750	692,577	163,827
230	Muranga		2,525	1,031,007	2,311,759	1,280,752
240	Nyandarua		3,373	921,987	1,330,665	408,678
250	Nyeri		3,266	1,089,109	2,279,104	1,189,995
310	Kilifi		13,006	5,353,076	5,083,662	-269,414
320	Kwale		8,260	5,363,595	529,548	-4,834,047
330	Lamu		6,818	3,605,400	3,514,282	-91,118
340	Mombasa		282	140,913	86,504	-54,409
350	Taita		16,965	8,092,980	7,156,311	-936,669
360	Tana River		38,782	19,821,337	1,858,186	-17,963,151
410	Embu		2,805	824,889	996,081	171,192
420	Isiolo		25,604	11,495,339	13,413,265	1,917,926
430	Kitui		19,892	9,658,200	6,818,933	-558,202
490	Mwingi		9,911		3,397,469	
440	Masaku		6,249	5,512,349	3,745,426	-2,859,569
4A0	Makueni		7,719		4,626,492	
450	Marsabit		72,290	20,221,098	11,863,461	-8,357,637
460	Meru		3,523	3,388,102	719,135	-1,370,523
470	Nyambene		4,066		829,975	
480	Tharaka Nithi		2,295		468,469	
510	Garissa		43,392	14,192,737	24,886,298	10,693,561
520	Mandera		25,871	5,260,371	8,386,408	3,126,037
530	Wajir		56,923	13,621,366	17,568,082	3,946,716
610	Gusii		1,252	768,095	612,839	-307,800
660	Nyamira		946		463,056	
620	Kisumu		946	847,199	696,485	-150,714
630	Siaya		2,077	639,352	775,261	135,909
640	Homa Bay		2,524	2,102,380	465,846	-1,246,004
650	Migori		3,105		390,530	
710	Kajiado		21,756	6,647,623	18,150,720	11,503,097
720	Kipsigis		2,569	1,463,010	2,370,120	3,094,558
780	Bomet		2,371		2,187,448	
730	Laikipia		9,162	3,413,124	3,323,847	-89,277
740	Nakuru		7,190	1,992,360	4,442,296	2,449,936
750	Narok		15,128	4,127,782	5,498,939	2,415,839
790	Transmara		2,874		1,044,682	
760	Trans Nzoia		2,467	601,974	494,119	-107,855
770	Uasin Gishu		3,218	1,096,409	1,072,033	-24,376
810	Baringo		10,954	3,967,205	3,873,009	-94,196
820	Elgeyo Marakwet		3,049	460,032	2,129,868	1,669,836
830	Nandi		2,784	468,245	1,358,224	889,979
840	Samburu		20,808	5,282,985	1,413,948	-3,869,037
850	Turukana		69,146	23,332,104	4,799,898	-18,532,206
860	West Pokot		8,937	1,985,861	4,140,470	2,154,609
910	Bungoma		3,072	1,152,710	311,371	-841,339
920	Busia		1,652	500,180	365,367	-134,813
930	Kakamega		3,020	1,148,220	691,943	-332,323
940	Vihiga		541		123,954	
Total				193,027,260	184,485,834	-8,541,426

Shaded: New District

Table - 4.3.5 Safe Yield of Borehole and Shallow Wells

Code	District		Borehole		Shallow Wells		Total		
		Area (km ²)	(m ³ /year/district)	(m ³ /year/km ²)	(m ³ /year/district)	(m ³ /year/km ²)	(m ³ /year/district)	(m ³ /year/km ²)	
110	Nairobi	693			16,510	24			
210	Kiambu	2,557	727,471	281	44,544	17	772,015	298	
220	Kirinyaga	1,485	692,577	466	34,372	23	726,949	490	
230	Muranga	2,525	2,311,759	916	344,593	136	2,656,352	1,052	
240	Nyandarua	3,373	1,330,665	395	92,954	28	1,423,619	422	
250	Nyeri	3,266	2,279,104	698	66,746	20	2,345,850	718	
310	Kitifi	13,006	5,083,662	391	11,788,286	906	16,871,948	1,297	
320	Kwale	8,260	529,548	64	7,478,533	905	8,008,081	970	
330	Lamu	6,818	3,514,282	515	5,715,459	838	9,229,741	1,354	
340	Mombasa	282	86,504	307	64,505	229	151,009	535	
350	Taita	16,965	7,156,311	422	15,228,153	898	22,384,464	1,319	
360	Tana River	38,782	1,858,186	48	40,293,158	1,039	42,151,344	1,087	
410	Embu	2,805	996,081	355	1,736,190	619	2,732,271	974	
420	Isiolo	25,604	13,413,265	524	23,594,196	922	37,007,461	1,445	
430	Kitui	Kitui	19,892	6,818,933	343	18,614,037	936	25,432,970	1,279
490		Mwingi	9,911	3,397,469	343	9,274,267	936	12,671,736	1,279
440	Machakos	Masaku	6,249	3,745,426	599	4,821,985	772	8,567,411	1,371
4A0		Makueni	7,719	4,626,492	599	5,956,297	772	10,582,789	1,371
450	Marsabit	72,290	11,863,461	164	27,050,316	374	38,913,777	538	
460	Meru	Meru	3,523	719,135	204	798,752	227	1,517,887	431
470		Nyambene	4,066	829,975	204	921,863	227	1,751,839	431
480		Tharaka Nithi	2,295	468,469	204	520,334	227	988,802	431
510	Garissa	43,392	24,886,298	574	42,800,905	986	67,687,203	1,560	
520	Mandera	25,871	8,386,408	324	23,295,791	900	31,682,199	1,225	
530	Wajir	56,923	17,568,082	309	56,759,870	997	74,327,952	1,306	
610	Kisii	Gusii	1,252	612,839	489	1,134,360	906	1,747,200	1,396
660		Nyamira	946	463,056	489	857,113	906	1,320,168	1,396
620	Kisumu	946	696,485	736	2,629,877	2,780	3,326,362	3,516	
630	Siaya	2,077	775,261	373	2,227,428	1,072	3,002,689	1,446	
640	S. Nyanza	Homa Bay	2,524	465,846	185	1,985,111	786	2,450,956	971
650		Migori	3,105	390,530	126	2,442,063	786	2,832,594	912
710	Kajiado	21,756	18,150,720	834	12,271,226	564	30,421,946	1,398	
720	Kericho	Kipsigis	2,569	2,370,120	923	525,247	204	2,895,367	1,127
780		Bomet	2,371	2,187,448	923	484,765	204	2,672,213	1,127
730	Laikipia	9,162	3,323,847	363	2,758,321	301	6,082,168	664	
740	Nakuru	7,190	4,442,296	618	1,349,013	188	5,791,309	805	
750	Narok	Narok	15,128	5,498,939	363	7,187,783	475	12,686,723	839
790		Transmara	2,874	1,044,682	363	1,365,527	475	2,410,209	839
760	Trans Nzoia	2,467	494,119	200	1,720,801	698	2,214,920	898	
770	Uasin Gishu	3,218	1,072,033	333	536,260	167	1,608,293	500	
810	Baringo	10,954	3,873,009	354	3,475,551	317	7,348,560	671	
820	Elgeyo Marakwet	3,049	2,129,868	699	2,465,072	808	4,594,940	1,507	
830	Nandi	2,784	1,358,224	488	1,663,833	598	3,022,057	1,086	
840	Samburu	20,808	1,413,948	68	14,997,422	721	16,411,370	789	
850	Turkana	69,146	4,799,898	69	51,652,401	747	56,452,299	816	
860	West Pokot	8,937	4,140,470	463	8,463,944	947	12,604,414	1,410	
910	Bungoma	3,072	311,371	101	1,855,671	604	2,167,042	705	
920	Busia	1,652	365,367	221	1,659,538	1,005	2,024,905	1,226	
930	Kakamega	Kakamega	3,020	691,943	229	2,642,464	875	3,334,406	1,104
940		Vihiga	541	123,954	229	473,368	875	597,322	1,104
Total			184,488,834		426,136,775		610,606,099		

Shaded - New District

Table - 4.3.6 Groundwater Resources Development Potential by District

Province	Code	District	Gross Water Safe Yield		Present Abstraction		Groundwater Development Potential (1000 m ³ /day)
			(m ³ /year)	(1000 m ³ /day)	Million m ³ /year	(1000 m ³ /day)	
Nairobi	110	Nairobi	0	0.0	0.3	0.8	0.0
Central	210	Kiambu	772,015	2.1	0.9	2.4	0.0
	220	Kirinyaga	726,949	2.0	0.1	0.2	1.8
	230	Murang'a	2,656,352	7.3	0.1	0.3	7.0
	240	Nyandarua	1,423,619	3.9	0.2	0.5	3.4
	250	Nyeri	2,345,850	6.4	0.1	0.3	6.1
Total in Central Province			7,924,784	21.7	1.3	3.6	18.4
Coast	310	Kilifi	16,871,948	46.2	4.5	12.4	33.8
	320	Kwale	8,008,081	21.9	3.5	9.7	12.2
	330	Laou	9,229,741	25.3	0.3	0.7	24.6
	340	Mombasa	151,009	0.4	0.1	0.3	0.1
	350	Taita	22,384,464	61.3	7.2	19.6	41.7
	360	Tana River	42,151,344	115.5	1.5	4.0	111.5
	Total in Coast Province			98,796,588	270.7	17.1	46.8
Eastern	410	Embu	2,732,271	7.5	0.1	0.3	7.2
	420	Isiolo	37,007,461	101.4	0.5	1.4	100.0
	430	Kitui	25,432,970	69.7	1.1	3.1	66.6
	440	Masaku	8,567,411	23.5	1.8	4.9	18.5
	450	Marsabit	38,913,777	106.6	2.0	5.5	101.1
	460	Meru	1,517,887	4.2	0.1	0.3	3.9
	470	Nyambene	1,751,839	4.8	0.1	0.3	4.5
	480	Tharaka Nithi	988,802	2.7	0.1	0.2	2.5
	490	Mwingi	12,671,736	34.7	0.4	1.0	33.7
	4A0	Makueni	10,582,789	29.0	3.3	9.1	19.9
Total in Eastern Province			140,166,943	384.0	9.5	26.1	357.9
North-East	510	Garissa	67,687,203	185.4	1.3	3.6	181.8
	520	Mandera	31,682,199	86.8	0.4	1.2	85.6
	530	Wajir	74,327,952	203.6	1.0	2.7	201.0
Total in North-Eastern Province			173,697,354	475.9	2.8	7.5	468.3
Nyanza	610	Gusii	1,747,200	4.8	0.3	0.7	4.1
	620	Kisumu	3,326,362	9.1	0.4	1.1	8.0
	630	Siaya	3,002,689	8.2	0.5	1.4	6.8
	640	Homa Bay	2,450,956	6.7	0.6	1.7	5.0
	650	Migori	2,832,594	7.8	0.5	1.4	6.3
	660	Nyamira	1,320,168	3.6	0.2	0.5	3.1
Total in Nyanza Province			14,679,969	40.2	2.5	6.9	33.3
Rift Valley	710	Kajiado	30,421,946	83.3	6.6	18.2	65.1
	720	Kipsigis	2,895,367	7.9	0.5	1.4	6.5
	730	Laikipia	6,082,168	16.7	0.2	0.6	16.0
	740	Nakuru	5,791,309	15.9	0.7	2.0	13.8
	750	Narok	12,686,723	34.8	2.1	5.9	28.9
	760	Trans Nzoia	2,214,920	6.1	0.5	1.3	4.8
	770	Uasin Gishu	1,608,293	4.4	0.6	1.7	2.7
	780	Bomet	2,672,213	7.3	0.5	1.3	6.0
	790	Transmara	2,410,209	6.6	0.6	1.6	5.0
	810	Baringo	7,348,560	20.1	1.0	2.7	17.5
	820	Elgeyo Marakv	4,594,940	12.6	0.4	1.1	11.5
	830	Nandi	3,022,057	8.3	0.6	1.5	6.7
	840	Samburu	16,411,370	45.0	0.7	2.0	43.0
	850	Turkana	56,452,299	154.7	6.1	16.7	137.9
860	West Pokot	12,604,414	34.5	0.8	2.3	32.3	
Total in Rift Valley Province			167,216,787	458.1	22.0	60.4	397.8
Western	910	Bungoma	2,167,042	5.9	0.6	1.7	4.2
	920	Busia	2,024,905	5.5	0.3	0.9	4.6
	930	Kakamega	3,334,406	9.1	0.6	1.7	7.5
	940	Vihiga	597,322	1.6	0.1	0.3	1.3
Total in Western Province			8,123,675	22.3	1.7	4.6	17.7
TOTAL			610,606,099	1,672.9	57.2	156.7	1,517.2

Source : The Aftercare Study Team

Table - 4.5.1 Water Rest Level by District

WRL (d meter below the ground level)		a d ≤ 25 m		b 25 < d ≤ 60		a + b		c 60 < d ≤ 100		d 100 < d		c+d		Total
District	Nos. of B.H	Percent	Nos. of B.H	Percent	Nos. of B.H	Percent	Nos. of B.H	Percent	Nos. of B.H	Percent	Nos. of B.H	Percent	Nos. of B.H	
110	Nairobi	Development is restricted by a regulation												
210	Kiambu	267	24%	558	50%	825	74%	209	19%	82	7%	291	26%	1,116
220	Kirinyaga	17	74%	4	17%	21	91%	2	9%	0	0%	2	9%	23
230	Muranga	28	47%	27	46%	55	93%	3	5%	1	2%	4	7%	59
240	Nyandarua	43	28%	46	30%	89	58%	33	22%	31	20%	64	42%	153
250	Nyeri	13	21%	32	51%	45	71%	15	24%	3	5%	18	29%	63
310	Kilifi	131	58%	70	31%	201	89%	16	7%	9	4%	25	11%	226
320	Kwale	412	78%	108	20%	520	98%	5	1%	4	1%	9	2%	529
330	Lamu	12	86%	2	14%	14	100%	0	0%	0	0%	0	0%	14
340	Mombasa	85	93%	6	7%	91	100%	0	0%	0	0%	0	0%	91
350	Taifa	43	63%	21	31%	64	94%	3	4%	1	1%	4	6%	68
360	Tana River	0	0%	1	17%	1	17%	4	67%	1	17%	5	83%	6
410	Embu	121	78%	29	19%	150	97%	5	3%	0	0%	5	3%	155
420	Isiolo	41	55%	18	24%	59	80%	8	11%	7	9%	15	20%	74
430	Kitui	49	61%	24	30%	73	91%	6	8%	1	1%	7	9%	80
440	Masaku	234	45%	212	41%	446	87%	54	10%	15	3%	69	13%	515
450	Marsabit	33	37%	30	33%	63	70%	13	14%	14	16%	27	30%	90
460	Meru	16	39%	15	37%	31	76%	6	15%	4	10%	10	24%	41
470	Nyambene		39%		37%		76%		15%		10%		24%	
480	Tharaka Nithi		39%		37%		76%		15%		10%		24%	
490	Mwingi		61%		30%		91%		8%		1%		9%	
4A0	Makueni		45%		41%		87%		10%		3%		13%	
510	Garissa	17	17%	4	4%	21	21%	18	18%	60	61%	78	79%	99
520	Mandera	26	35%	29	39%	55	73%	10	13%	10	13%	20	27%	75
530	Wajir	29	33%	11	13%	40	45%	22	25%	26	30%	48	55%	88
610	Gusii	22	79%	6	21%	28	100%	0	0%	0	0%	0	0%	28
620	Kisumu	117	77%	30	20%	147	97%	3	2%	1	1%	4	3%	151
630	Siaya	142	84%	28	16%	170	100%	0	0%	0	0%	0	0%	170
640	Homa Bay	143	76%	41	22%	184	98%	4	2%	0	0%	4	2%	188
650	Migori		76%		22%		98%		2%		0%		2%	
660	Nyamira		79%		21%		100%		0%		0%		0%	
710	Kajiado	171	40%	173	40%	344	80%	63	15%	21	5%	84	20%	428
720	Kipsigis	20	43%	14	30%	34	74%	10	22%	2	4%	12	26%	46
730	Lakkipia	69	29%	129	55%	198	84%	31	13%	7	3%	38	16%	236
740	Nakuru	217	28%	176	23%	393	51%	158	21%	216	28%	374	49%	767
750	Narok	16	42%	9	24%	25	66%	8	21%	5	13%	13	34%	38
760	Trans Nzoia	48	80%	12	20%	60	100%	0	0%	0	0%	0	0%	60
770	Uasin Gisha	130	83%	23	15%	153	97%	3	2%	1	1%	4	3%	157
780	Bomet		43%		30%		74%		22%		4%		26%	
790	Transmara		42%		24%		66%		21%		13%		34%	
810	Baringo	16	30%	12	23%	28	53%	12	23%	13	25%	25	47%	53
820	Elgeyo Marakwet	10	45%	7	32%	17	77%	5	23%	0	0%	5	23%	22
830	Nandi	6	75%	1	13%	7	88%	1	13%	0	0%	1	13%	8
840	Samburu	55	68%	19	23%	74	91%	6	7%	1	1%	7	9%	81
850	Turukana	223	75%	66	22%	289	98%	4	1%	3	1%	7	2%	296
860	West Pokot	47	65%	23	32%	70	97%	2	3%	0	0%	2	3%	72
910	Bungoma	149	90%	17	10%	166	100%	0	0%	0	0%	0	0%	166
920	Busia	209	85%	38	15%	247	100%	0	0%	0	0%	0	0%	247
930	Kakamega	337	98%	8	2%	345	100%	0	0%	0	0%	0	0%	345
940	Vihiga		98%		2%		100%		0%		0%		0%	
	Total	3,764	53%	2,079	29%	5,843	82%	742	10.4%	539	8%	1,281	18%	7,124

Source: National Water Resources Data Base, Analyzed by the Aftercare Study

B.H: Borehole

Note: Groundwater development is banned by a regulation in Nairobi District.

Table - S.2.1 (1/2) Percentage Distribution of Households with Access to Safe Water and Main Water Sources at Present by District

	Access to Safe Water at Present	Main Source of Water at Present														
		Piped water	River	Lake/Pond/Dam	Roof catchment	Protected spring	Unprotected spring	Protected well	Unprotected well	Borehole	Other					
		Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent			
Nairobi	96.2	95.6	2.6	-	-	-	-	-	-	-	-	0.5	-	-	-	1.2
Central	45.5	36.2	35.3	0.9	3.8	1.8	5.3	3.7	3.2	7.0	3.2	3.7	3.2	7.0	3.2	2.7
Kiambu	43.6	34.5	32.9	0.6	2.8	0.7	2.8	5.7	2.5	16.4	2.5	5.7	2.5	16.4	2.5	1.1
Kirinyaga	30.4	25.3	55.0	-	-	0.5	1.8	4.6	0.4	1.2	0.4	4.6	0.4	1.2	0.4	11.3
Muranga	39.9	29.7	37.1	-	2.7	6.0	12.6	1.6	7.4	1.5	7.4	1.6	7.4	1.5	7.4	1.5
Nyandarua	56.1	39.0	20.8	6.7	9.1	1.1	4.8	6.9	3.6	6.9	3.6	6.9	3.6	6.9	3.6	1.1
Nyeri	59.9	52.7	32.1	0.3	6.4	-	3.1	0.8	0.9	1.2	0.9	0.8	0.9	1.2	0.9	2.6
Coast	59.2	56.2	11.6	12.4	0.1	0.3	0.7	2.5	5.2	8.6	5.2	2.5	5.2	8.6	5.2	2.2
Kilifi	57.4	55.2	9.2	11.6	-	-	-	2.2	12.1	9.8	2.2	2.2	12.1	9.8	2.2	-
Kwale	22.5	20.5	5.6	44.1	0.6	-	-	1.4	3.7	24.0	1.4	1.4	3.7	24.0	1.4	-
Lamu	60.8	19.2	-	2.0	-	3.3	0.6	38.2	24.4	-	38.2	24.4	24.4	-	24.4	12.2
Mombasa	94.3	94.3	-	-	-	-	-	-	-	1.1	-	-	-	1.1	-	4.6
Taita Taveta	55.4	54.3	31.6	-	-	1.1	5.8	-	0.4	6.7	-	-	0.4	6.7	-	-
Tana River	23.0	19.6	63.2	6.1	-	0.8	-	2.7	1.3	-	2.7	1.3	1.3	-	1.3	6.4
Eastern	35.1	29.3	37.4	4.6	0.5	2.1	8.1	3.2	9.2	4.0	3.2	3.2	9.2	4.0	3.2	1.4
Embu	45.6	40.8	20.4	9.1	1.0	3.1	5.9	0.6	10.3	8.3	0.6	0.6	10.3	8.3	0.6	0.3
Isiolo	55.4	50.5	41.0	-	0.9	0.9	1.3	3.0	0.9	0.6	3.0	0.9	0.9	0.6	0.9	0.8
Kitui	16.9	5.3	68.5	8.5	0.3	1.2	0.5	10.1	3.2	0.9	10.1	3.2	3.2	0.9	3.2	1.5
Machakos	29.4	23.2	34.1	3.3	0.3	4.2	0.9	1.6	9.3	9.6	1.6	1.6	9.3	9.6	1.6	3.4
Marsabit	38.1	22.3	0.5	16.3	-	0.3	5.2	15.5	15.8	21.5	15.5	15.5	15.8	21.5	15.5	2.6
Meru	62.5	59.8	14.9	0.3	0.2	2.1	15.6	0.4	6.7	-	0.4	0.4	6.7	-	6.7	-
Makuei	16.7	14.9	54.7	5.6	1.3	0.5	9.4	0.0	11.5	1.2	0.0	0.0	11.5	1.2	1.2	1.1
Tharaka Nithi	32.2	26.6	38.2	-	-	1.9	3.9	3.7	23.3	1.5	3.7	3.7	23.3	1.5	23.3	0.8
North-Eastern	16.9	12.7	15.5	33.8	-	0.7	3.9	3.4	15.7	13.9	3.4	3.4	15.7	13.9	3.4	2.3
Garissa	31.8	29.7	10.9	25.3	-	1.6	9.9	0.6	9.3	6.4	0.6	0.6	9.3	6.4	0.6	6.3
Mandera	8.2	6.5	28.5	38.0	-	-	1.5	1.7	14.1	9.6	1.7	1.7	14.1	9.6	1.7	0.2
Wajir	9.4	1.0	2.8	38.6	-	0.5	-	8.0	23.7	25.5	8.0	8.0	23.7	25.5	8.0	-
Nyanza	28.1	9.2	24.8	10.2	3.0	10.1	22.2	5.8	9.3	5.1	5.8	5.8	9.3	5.1	5.8	0.3
Kisii	31.5	3.3	17.7	-	1.1	25.4	49.6	1.7	1.0	-	1.7	1.7	1.0	-	1.0	0.2
Kisumu	42.7	31.1	37.6	2.7	0.5	0.6	3.7	10.4	6.8	5.4	10.4	6.8	6.8	5.4	6.8	1.1
Siaya	29.7	1.5	7.1	27.5	3.6	16.8	13.7	7.8	10.2	11.8	7.8	7.8	10.2	11.8	7.8	-
Homa Bay	18.8	8.0	33.5	22.0	7.9	-	3.6	2.8	15.0	7.3	2.8	2.8	15.0	7.3	2.8	-
Migori	5.5	2.5	44.0	2.6	2.5	0.4	24.8	-	21.5	1.2	-	-	21.5	1.2	-	0.5
Nyamira	39.0	4.5	3.6	-	1.0	19.5	52.5	14.9	0.9	3.1	14.9	14.9	0.9	3.1	14.9	-

Table - 5.2.1 (2/2) Percentage Distribution of Households with Access to Safe Water and Main Water Sources at Present by District

	Access to Safe Water at Present	Main Source of Water at Present											Other
		Piped water	River	Lake/Pond /Dam	Roof catchment	Protected spring		Unprotected spring		Protected well	Unprotected well	Borehole	
						Per cent	Per cent	Per cent	Per cent				
Rift Valley	41.6	25.0	32.4	4.1	7.0	2.6	9.9	6.9	6.1	3.9	1.9		
Kajiado	63.1	60.1	11.4	6.8	0.5	2.1	1.3	0.4	5.7	9.8	1.8		
Kenya	32.0	15.7	57.4	1.0	3.4	5.6	3.9	7.2	1.9	3.1	0.8		
Lakipia	29.0	26.4	33.8	18.6	1.8	-	2.3	0.8	15.7	0.3	0.4		
Nakuru	71.4	44.8	21.1	2.4	21.9	0.7	0.8	4.0	0.5	3.1	0.6		
Nandi	32.5	18.4	28.4	-	1.2	8.8	31.0	4.1	3.6	4.3	0.3		
Narok	24.9	10.5	38.4	12.7	4.2	5.7	15.1	4.6	3.3	1.0	4.6		
Bomet	28.3	13.1	23.6	6.8	11.7	1.5	30.3	2.0	3.1	1.3	6.6		
Baringo	22.8	8.1	51.2	9.2	9.4	4.6	13.5	0.7	0.6	1.8	0.8		
Elgeyo-Marakwet	21.0	12.0	58.0	-	-	0.7	16.6	8.3	1.2	2.4	0.8		
Samburu	38.0	37.1	30.5	5.9	0.9	-	5.0	-	10.6	5.4	4.5		
Trans-Nzoia	24.9	14.5	28.1	0.8	1.1	0.3	4.6	9.0	20.8	14.7	6.0		
Turkana	46.8	34.6	7.9	0.5	0.0	3.0	2.4	9.2	29.8	12.5	-		
Uasin-Gishu	57.8	23.1	21.2	0.3	0.2	0.5	2.9	34.0	16.3	0.6	0.9		
West Pokot	6.0	3.5	63.1	0.2	0.6	1.7	28.7	-	-	1.3	0.6		
Western	42.9	14.0	9.1	0.0	4.3	14.1	17.0	10.6	9.4	18.1	3.5		
Bungoma	41.9	26.6	7.8	-	0.4	9.6	14.1	5.4	3.8	23.6	8.8		
Busia	27.1	3.8	5.6	0.3	0.2	13.9	17.6	9.2	9.5	39.5	0.4		
Kakamega	60.5	13.2	8.2	-	4.8	11.8	25.4	10.6	8.8	15.1	2.0		
Vihiga	60.1	7.3	15.0	-	11.2	23.9	5.2	18.1	17.4	-	2.0		
Rural	32.5	17.3	30.5	6.6	3.9	5.6	12.6	5.8	8.2	7.7	1.9		
Urban	93.3	90.2	3.1	0.0	0.3	0.4	0.7	2.3	0.7	0.7	1.4		
Total	44.9	32.1	24.9	5.3	3.2	4.5	10.2	5.1	6.7	6.3	1.8		

Note 1) Safe water access : Access to safe water supply includes treated surface water, untreated and uncontaminated water sources such as protected springs/well, piped water and roof catchment.
Access does not mean availability/reliability of water supply.

2) "0.0" means negligible.

Table - 5.2.2 Number of Dams and Pans in Kenya

PROVINCE	CODE	DISTRICT	DAM	PAN	REMARKS
Nairobi	110	Nairobi	23	2	
Central	210	Kiambu	22	3	
	220	Kirinyaga	0	0	
	230	Murang'a	2	0	
	240	Nyandarua	30	0	
	250	Nyeri	30	47	
Sub-total			84	50	
Coastal	310	Kilifi	14	13	
	320	Kwale	22	36	
	330	Lamu	2	4	
	340	Mombasa	0	0	
	350	Taita	14	143	
	360	Tana River	0	5	
Sub-total			52	201	
Eastern	410	Embu	14	0	
	420	Isiolo	0	22	
	430	Kitui	151	0	
	440	Masaku	64	0	
	450	Marsabit	5	32	
	460	Meru	9	11	
	470	Nyambene	3	2	
	480	Tharaka Nithi	7	0	
	490	Mwingi	78	0	
	4A0	Makueni	44	0	
Sub-total			375	67	
North Eastern	510	Garissa	0	48	
	520	Mandera	40	0	
	530	Wajir	0	24	
Sub-total			40	72	
Nyanza	610	Gusii	0	0	
	620	Kisumu	15	37	
	630	Siaya	2	37	
	640	Homa Bay	29	8	
	650	Migori	40	10	
	660	Nyamira	30	7	
Sub-total			116	99	
Rift Valley	710	Kajiado	11	73	
	720	Kipsigis	6	1	
	730	Laikipia	216	22	
	740	Nakuru	78	0	
	750	Narok	11	29	
	760	Trans Nzoia	16	0	
	770	Uasin Gishu	35	1	
	780	Bomet	87	9	
	790	Transmara	0	0	
	810	Baringo	37	134	
	820	Elgeyo Marakwet	11	0	
	830	Nandi	13	0	
	840	Samburu	23	18	
850	Turkana	-	-	All the dams in this district are silted up. It is not economical to	
860	West Pokot	7	46		
Sub-total			551	333	
Western	910	Bungoma	46	1	
	920	Busia	12	0	
	930	Kakamega	58	0	
	940	Vihiga	2	0	
Sub-total			118	1	
TOTAL			1,359	825	

Source : Inventory of Dams and Pans in the country, July, 1997 Edition,
Ministry of Land Reclamation, Regional and Water Development

Table - 5.3.1 (1/6) Water Supply Projects for Urban Water Supply (UWS)

District Code	District	Urban Center Code	Existing				Proposed				Planned/Desired				
			Name of Urban Scheme	Source of Water	Design Capacity (m ³ /day)	Population Served	Project Name	Original Cost (KSh)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population	Project Name	Source of Water	Estimated Cost (KSh)	Design Capacity (m ³ /day)
110	Nairobi	U-1	Nairobi	Nakuyu Springs, Saunam, Kariu, Thika & Chania Dam	319,000	1,794,577			Sunamwey, School BPH						
	Sub-total				319,000	1,794,577						0	0	0	0
210	Nairobi	U-2	Githunguri	Borehole	300	6,000			Githunguri C/A, Githunguri, Saruni BPH				140	3,000	
	U-3	Kericho	Borehole	624	15,000								N/E	N/E	
	U-4	Kisumu	Pipeline offtake & Borehole	400	6,000			Thuku Borehole (Kambuu Water Supply), Kambuu Rural							
	U-5	Kakuyu	Borehole	1,278	6,586							4,416,000	300	102,000	
	U-7	Subumbeni													
	U-8	Kiara	Kiara River	792	60,000			Ruiru							
	U-9	Thika	Thika & Chania Rivers	36,660	120,000										
	Sub-total			46,224	220,644							4,416,000	480	105,000	
220	Kericho	U-12	Kericho	Rusu River	1,200	6,215			Kuuia/Kumbishi River						
	U-12	Kuuia	Pipeline offtake (Ndis Water Supply)	246	1,236			Wanguru							
	U-16	Wanguru	Thika River	1,512	687										
	U-19	Makuyu	Borehole	360	10,116										
	U-20	Mwingu	Borehole	96	6,200										
	U-21	Muranga	Muranga & Kogswa Rivers	2,000	24,000			Muranga							
	Sub-total			2,416	30,600										
240	Nyandarua	U-28	Nyandarua	River	3,000	30,000									
	U-30	Oti Kariou	Boreholes	220	6,000			Oti Kariou							
	Sub-total			3,220	36,000										
250	Nyeri	U-32	Endersha	Kerugoya River	1,800	14,533			Endersha Settlement						
	U-33	Karatina	Rugali River	5,940	40,000										
	U-36	Nyeri	Chania River	11,070	14,000										
	U-37	Ohaya	Gakim River & Borehole	16,240	66,533										
	Sub-total			4,300	30,170										
310	Kitui	U-38	Kitui	Pipeline Offtake (Moina Springs)	15,965	141,293									
	U-39	Mwingo	Sabaki River	432	2,000										
	U-40	Milindi	Weti	1,200	12,000										
	U-41	Mbaraki	Pipeline Offtake (Sabaki Pipe Line)	6,775	6,775										
	U-42	Mariakani	Pipeline offtake	21,917	192,438										
	U-43	Wamwa													
	Sub-total			21,917	192,438										

Table - 5.3.1 (2/6) Water Supply Projects for Urban Water Supply (UWS)

District Code	District	Urban Centre Code	Name of Urban Scheme	Source of Water	Leaking				Ongoing				Planned/Assured						
					Design Capacity (m ³ /day)	Population Served	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population	Source of Water	Estimated Cost (Kc)	Design Capacity (m ³ /day)	Design Population				
320	Kwale	U-44	Kwale	Pipeline Offtake from Mbarere Spring	7,000	3,000													
				Borehole	250	1,835													
				Wells	624	12,000													
					7,844	16,836													
330	Sub-total Lamu	U-47	Lamu	Shallow Wells	575	5,000	Lamu/Mbarere Augmentation	383,616	60	2,064	27,693	Tana/Lamu Water Supply							
				U-49	Mokawa T.C	130	2,100	Mbarere Roof Catchment	8,000	100	2	16							
340	Sub-total Mombasa	U-52	Mombasa	Sabaki River & Ndima Springs	695	7,100		391,018		2,066	17,989	Distribution Network Improvement and Extensions (Mombasa and Coastal Arms)		344,400	2,699,000				
				U-54	Taveta	70,000	370,764												
350	Sub-total Taita	U-55	Voi	Water springs	2,981	6,000													
				Pipeline offtake (Ndima pipe line)	2,700	20,300													
				River	1,466	8,000													
				Tana River	7,160	32,700													
360	Sub-total Uasin	U-59	Haha	Tana River	100	10,000													
				Tana River	228	9,000													
					328	19,000													
410	Sub-total Uasin	U-60	Enbu	Pipeline Offtake (Enbu Water Supply)	4,054	25,000													
					135	4,264													
					4,193	30,264													
420	Sub-total Manda	U-63	Iaindo	Pipeline Offtake from Ewaso Nyiro Water Supply	4,336	36,000													
					60	1,173													
					4,425	37,173													
430	Sub-total Ndiya	U-68	Kiuri	Borehole	3,000	11,000	Madogahie W/P	11,000	60	1,050	7,000								
					40	7,000													
					3,040	18,000													
440	Sub-total Masaku	U-69	Ahi River	Pipeline offtake	2,000	12,500	Mahaige Khat Water Supply	2,600,000	70	5,619	257,089								
					5,000	80,000													
					7,000	92,500													
450	Sub-total Maralil	U-79	Kargi	Borehole	160	8,000	Katola	26,000	99	645	4,300								
				Shallow well	8,000	3,500													
				Lakoli Spring	300	19,750	Maralil	N/A	40	3,750	25,000	5,000	1,600	25,000					
				Moyale Dam	61	10,000	Moyale Lami	35,600	70	1,275	8,500								
				Shallow well	21	2,500													
				Wells equipped with Handpumps	21	6,500	Solole	24,000	95	1,390	8,000								
					363	34,750		87,600		7,266	51,900	15,000	1,600	25,000					

Table - 5.3.1 (3/6) Water Supply Projects for Urban Water Supply (UWS)

District Code	District	Urban Centre Code	Name of Urban Scheme	Source of Water	Design Capacity (m ³ /day)	Population Served	Project Name	Upgrading			Financed/Assured					
								Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population	Project Name	Source of Water	Estimated Cost (Kc)	Design Capacity (m ³ /day)	Design Population
461	Mera	U - 06	Mera	Gambas Spring & Kalline River	4,730	16,330										
		U - 07	Nabun	Dunglitha River	329	5,000										
		Sub-total			5,099	21,330										
470	Nambare	U - 08	Nava	Mikone stream	400	2,372										
		Sub-total			400	2,372										
480	Thanga Nubi	U - 09	Chusa	Tunga River	355	1,500										
		Sub-total			355	1,500										
490	Mwingi	U - 01	Mwingi	Tana River	300	12,000										
		Sub-total			300	12,000										
490	Makueni	U - 03	Schwarz													
		U - 08	John Muri	Uhuji Springs	3,000	15,000										
		Sub-total			3,000	15,000										
510	Chuska	U - 04	Chuska	Tana River	1,440	34,756	Chuska	10,000,000	42	12,000	80,000					
		U - 105	Uhuji		1,123	6,180		10,000,000	42	12,000	80,000					
		Sub-total			2,563	40,936		10,000,000	84	24,000	160,000					
520	Mandira	U - 108	Riwak	Berehoie	500	4,100	Riwak	400,000	62	300	2,000					
		U - 109	Mandira	Berehoie	140	6,000	Mandira	700,000	75	300	2,000					
		U - 110	Rihama	Berehoie	640	10,160	Rihama	500,000	70	300	2,000					
		Sub-total			1,280	20,260		1,600,000	207	900	6,000					
530	Wajir	U - 113	Bura	Berehoie	202	5,000										
		U - 114	Bidas	Berehoie	65	1,500										
		U - 116	Wajir	Shallow Wells	44											
		Sub-total			311	6,500										
600	Coast	U - 117	Kaji	Cooca River	6,000	45,000										
		Sub-total			6,000	45,000										
620	Kiambu	U - 119	Ahero	Berehoie	23	484										
		U - 120	Kiambu	Lake Victoria & Kiros River	14,585	200,845										
		U - 121	Museno		720	5,000										
		U - 122	Mtirondu	Nyando River	15,306	316,399										
		Sub-total			15,306	316,399										
630	Siaya	U - 123	Asiro	Ahero Dam on Nymanin River	770	11,340										
		U - 125	Siaya													
		Sub-total			770	11,340										
640	Homa Bay	U - 129	Homa Bay	Lake Victoria	1,500	43,000										
		U - 130	Kemot Bay	Awach River	720	10,000										
		U - 131	Wita													
		U - 133	Oyugla	Awach River	5,760	30,000										
		Sub-total			7,980	83,000										

Table - 5.3.1 (4/6) Water Supply Projects for Urban Water Supply (UWS)

District Code	District	Urban Centre Code	Name of Urban Scheme	Existing				Unconstr.				Planned/Designed			
				Source of Water	Design Capacity (m ³ /day)	Population Served	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population	Source of Water	Estimated Cost (Kc)	Design Capacity (m ³ /day)	Design Population
600	Mogori	U-134	Awendu	No existing water supply			Awendu	River	190,000	30,000	20,000				
		U-135	Kemhucha	System Oreva Dam	44	3,000		Musei/Kemhucha	River	500,000	150,000	200,000	200,000		
		U-136	Mjjeri	Borehole	600	4,233		Kemhucha	Dam	10,000	250	30,000	30,000		
		U-137	Syebekaya		497	4,142		Mjjeri/Ndihwa	River						
		U-138	Rongo		1,501	12,175				1,400,000	172,500	200,000	200,000		
660	Nyamira	U-139	Kerota	Churchin River(LKB)	466	17,000		Nyamira UWS &	River	250,000	2,064	33,000	33,000		
		U-140	Nyamira	Ryaka River	466	17,000		Sewerage		250,000	2,064	33,000	33,000		
710	Kajiado	U-141	Kajiado	Natural pipeline offtake & Borehole	2,000	5,000									
		U-142	Magadi	Oloibon river	1,364	10,000		Namanga	River			N/E	N/E		
		U-143	Nsaranga	Oloinya Chik springs	200	4,500		Namanga	River			450	450		
		U-144	Nyony	Borehole	1,260	6,000		Nyong	Spring	600,000	95	450	3,000	22,000	
		U-145	Loteitiek	Hot Turesh Springs	1,460	20,000		Nyong	Borehole			460	460		
		U-146	Ongata Lengua	Mogoroti River	3,600	7,200		Rohat(Loteitiek)	PH			N/E	N/E		
		U-147			10,444	52,700		Loteitiek	Spring			70	70		
		U-148	Kericho	Timbiti River	5,460	58,725				600,000	90	3,000	20,000	22,000	
		U-149	Subukion	River	48	1,900				690,000	3,450	25,000	25,000		
		U-151	Londiani	River	756	4,000				638,208	99	1,425	9,500	9,500	
720	Kipanga	U-152	Stok	Kipangat River & Pipeline Offtake	756	4,000			662,376	75	1,737	11,583	11,583		
		U-153	Nanyuki	Liki River	9,264	64,225			1,320,584	3,192	21,083				
730	Luhya	U-154	Kumamiri	Borehole	3,200	6,000									
		U-155	Ebungen	Boreholes	6,400	46,500									
740	Nakuru	U-156	Gigili	Muradili & Malwa rivers	760	6,000									
		U-157	Molo	Nguo springs & Boreholes	775	10,000									
		U-158	Nitasha	Boreholes	762	46,000									
		U-159	Nakuru	Muroni & Malwa rivers	304,761	28,969									
		U-160	Njoro	Kasini & Pashini boreholes	724	5,000									
Sub-total				31,081	379,561										

Table - 5.3.1 (5/6) Water Supply Projects for Urban Water Supply (UWS)

District Code	District	Urban Centre Code	Name of Urban Scheme	Source of Water	Design Capacity (m ³ /day)	Population Served	Project Name	Original Cost (R\$)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population	Project Name	Source of Water	Estimated Cost (R\$)	Design Capacity (m ³ /day)	Design Population
750	Sub-Total	U-163	Narik	Narik river & spring	13,315	12,000										
	Sub-Total	U-164	Kiale	Narik River	12,515	12,000										
760	Sub-Total	U-165	Buror Forest	Don & Borehoir	12,749	60,000										
	Sub-Total	U-166	Elderet	Kapigat, Bitorone, Blligirini Rivers & Dam on Mubren River	600	1,610	Buror Forest	375,000		600	1,610	Elderet Polytechnic	Renf. Catchment	24,000	10	2,300
	Sub-Total	U-167	Lemok	Naria River	600	1,010	Mob's Bridge	1,000,000	48	1,500	10,000					
	Sub-Total	U-168	Mob's Bridge	Confluence of Seyget & Soshari River	300	2,450										
	Sub-Total	U-172	Turbo	Impounded reservoir stream	36,900	95,270		1,375,000		2,100	11,610			21,000	16	2,900
790	Sub-Total	U-174	Kigoris		864	6,000										
	Sub-Total	U-176	Elias Ravine	Chemusuo River	864	6,000										
810	Sub-Total	U-179	Karbarred	Kopchemusuo Dam & Boreholes	6,700	20,000										
	Sub-Total	U-180	Maji Majari	Kaplar River	2,042	127,500										
	Sub-Total	U-181	Marijat	Perakera River	200	2,000										
	Sub-Total	U-182	Megatio	Melo River & Borehole	300	1,219										
	Sub-Total	U-183	Iten	Kamariny Springs & Boreholes	666	5,000										
	Sub-Total	U-185	Kapjabet	Kabaito River	10,054	135,719										
820	Sub-Total	U-186	Narata		460	1,900										
	Sub-Total	U-188	Womus		624	7,000										
	Sub-Total	U-190	Kakuna T.C	1 shallow well, 2 boreholes	529	2,173										
	Sub-Total	U-191	Kalokoi	Shallow wells and infiltration gallery	161	10,000	Wamba	5,000	100	600	4,000	Kakuna Community W/S	Shallow Well	100,000	1,200	9,000
	Sub-Total	U-194	Lubwar	Boreholes	710	12,173										
	Sub-Total	U-195	Lokising	Shallow wells and infiltration gallery	1,060	20,000										
	Sub-Total	U-197	Kapigat River		72	2,000	Kalokoi	650,000		1,350	9,000					
	Sub-Total	U-198	Nakusum		1,500	30,000	Lubwar	105,000	70	5,250	35,000					
	Sub-Total	U-199	Bungoma	Kuywa River & Borehole	240	4,000	Lokising	60,000	90	813	3,634					
	Sub-Total	U-200	Cherapas		2,694	36,000										
	Sub-Total	U-202	Kenilli		360	5,500										
	Sub-Total	U-203	Musikai		262	5,200										
	Sub-Total	U-205	Wenupe		622	10,700										
	Sub-Total	U-206	Wenupe		3,000	36,000										
	Sub-Total	U-207	Wenupe		2,400	24,000										
	Sub-Total	U-208	Wenupe		2,000	18,000										
	Sub-Total	U-209	Wenupe		9,400	149,600										
	Sub-Total	U-210	Wenupe		1,000	40,000										
	Sub-Total	U-211	Wenupe		9,400	149,600										

Table - 5.3.1 (6/6) Water Supply Projects for Urban Water Supply (UWS)

District Code	District	Urban Centre Code	Name of Urban Scheme	Existing				Planned/Desired							
				Source of Water	Design Capacity (m ³ /day)	Population Served	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population	Project Name	Source of Water	Estimated Cost (Kc)	Design Capacity (m ³ /day)
VU	Shasa	U-206	Shasa	Sub River & Boreholes	2,072	17,287	Bate/masaitika	1,025,000	7	7,500	50,000	Bate hills	L. Victoria	300	7,500
		U-207	Maitiba Town	Boreholes	159	1,325	Maitiba/Kochola	4,250,000	37	13,256	86,370	Maitiba H.C. W/P	19H	N/E	N/E
		U-208	Nambate	Boreholes	2,231	18,592		5,275,000		20,746	134,270		0	300	7,500
000	Kakamega	U-209	Baire	Borehole	264	5,000	Baire W/S			251	1,675				
		U-210	Kakamega	River & Borehole	7,000	27,626				2,250	15,000				
		U-211	Mumias	Lusomy River & Borehole	1,498	12,446	Mumias W/S			2,501	10,675				
040	Vihiga	U-213	Maseno/Luanda	Open Burrow	1,102	68,400									
		U-214	Mhale	Surface Water	900	30,000									
		U-215	Vihiga/Mojengo	Spring	63	17,000									
	Sub-total			2,215	100,400										
	Total			768,763	4,974,693		31,985,002		86,656	800,215		161,575,371	790,661	4,276,181	

Data Source : Field Survey by the Study Team

Project Rehabilitation Survey by the Ministry of Water Resources

Project Status Report 96, Ministry of Water Resources, Dec. 1997

Brief on National Water Conservation and Pipeline Corporations Activities and Present Status, National Water Conservation & Pipeline Corporation, Sep. 1997

The Study on the National Water Master Plan, Sectoral Report (D), Domestic and Industrial Water Supply, Japan International Cooperation Agency, July 1992

District Water Development Plan, Water Resources Assessment & Planning

Ministry of Local Authority

Table - 5.3.2 (1/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Existing				On-going				Planned/Designed							
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (KES)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Project Name	Estimated Cost (KES)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply			
210	Kiambu	Limuru	1,538	12,000	Matibeli	745,000		7,289	96,918	Muturara Women Group	3,600	5,200	390	River			
		Kieni	527	15,000	Kwetu	72,514		1,462	19,493	Kidfarmaco	25,920	N/E	N/E	N/H			
		Limuru Uplands	196	6,500	Komothai Ph II	2,000,000	3%	4,425	59,000	Poso	1,000,000	5,000	300	B/H			
		Ngacha	375	5,000	Kiamba Rural	650,000	2%	493	6,573	Nderi	1,000,000	5,000	300	B/H			
		Ikuu Rioki	1,290	76,400	Jaja	2,000,000	5%	563	7,500	Kungoya	5,760	6,473	478	Stream			
		Kerisi	375	5,000	Munyuu	2,000,000	5%	1,835	24,460	Magna Gwamba	105,000	5,000	300	River			
		Githa	640	8,538						Upper Kihara	180,000	9,500	600	B/H			
		Kwaaup	488	6,500						Kikuyu Drivis (Muguga)	4,410,000	102,000	300	River/B/H			
		Kiara	538	4,500						New Kamuchep	N/E	15,000	900	NCC			
		Kiu South	300	4,000						Thogoto	N/E	15,000	900	B/H			
		Thirika	7,005	50,000						Kahuro	1,000,000	15,000	900	B/H			
		Gatundu	411	10,719						South Thirika	14,400	60,000	4,500	River			
		Komotha	432	40,000						Githuochi Handege	14,400	10,000	750	River			
		Uplands	9,264	14,000						Ngitha	7,200	6,573	294	River			
		Berhi	106,440	35,000													
		Karimenu	3,605	45,000													
		Ihanga	1,500	30,000													
Ndarujo	5,568	45,000															
Total		139,931	953,157		7,467,514		16,046	213,944		7,772,280	259,646	10,912					
220	Kirinyaga	Ngariama	1,018	39,885	Kabira	750,000	8%	2,250	30,000	Kina Loc.W/P	652,000	35,696	2,960	River			
		Kabete	1,602	16,300	Kaulo	650,000	5%	1,474	19,659	Mutungara	35,000	18,526	1,435	River			
		Karui W/P	4,310	12,000	Karitu	395,000	3%	403	5,370	Mutaga	278,000	9,851	1,884	River			
		Kiangombe S/H	800	6,120						Raimu	640,000	12,666	932	River			
		Kiangunya Women Group	219	4,370													
		Teitha/Teith S/H	1,262	7,651													
		Mutungara S/H	383	7,650													
		Ndia Ph A	8,188	27,400													
		Ph B	1,838	24,500													
		Ph C	6,375	85,000													
		Sagana	624	21,300													
		Kabura Rural	5,400	16,530													
		Ngariama Rural	783	48,900													
		Kirinyaga	168	8,000													
		Total		32,969	325,696		1,795,000		4,127	55,029		1,600,000	76,739	7,161			
		230	Muranga	Sabasaba	45	9,127	Kigumo	4,450,000	45%	16,500	220,000						
				Garango	2,640	7,813	Methioya Ph I	4,500,000	98%	56,250	750,000						
Kijumo	8,640			150,000	Garango	1,500,000	85%	5,706	76,074								
Kandari	14,640			78,183	Gatui	625,000	3%	2,400	25,000								
Kahui	12,910			60,294													
Total				38,875	305,621		11,075,000		80,856	1,078,074							
240	Nyandarua			Ngacha	247	15,000	Nabini W/P	960,000	1%	1,834	24,500	Murui	N/E	N/E	N/E	Spring	
				Mwango	1,090	8,686	Mukungu	494,000	5%	3,563	47,500	Bamboo	25,500	10,600	1,250	B/Hole	
				Muguti	648	12,000	Muhonia Turasha	35,000	5%	474	6,320	Turasha Ridge	19,927,039	6,322	1,176	River	
				Cheti	612	5,500	Onimu	49,800	7%	600	8,000						
				Kinangop B.M.	4,471	11,300	Nyakaranga Kangui	63,900	3%	2,550	34,000						
				Oi-Jikongai	37	15,000	Oi Joro Chok West	R/N/A	R/N/A	1,500	20,000						
				Total													

Table - S.3.2 (2/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Existing			Ongoing			Planned/Designed			Source of Supply								
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Estimated Cost (Kc)		Project Name							
250	Nyeri	Kurama	254	5,000	Leshau Karaganyi Ph I	225,000	4%	3,750	50,000										
		Kiviri	3,745	3,900	Ndaragwa	302,044	35%	4,500	60,000										
					Kianbaga	200,000	5%	944	12,580										
					Ngirika	175,000	98%	1,917	25,554										
					Ruri Ngwatanuro	173,000	3%	2,400	32,000										
					Mugamo	101,410	75%	657	8,754										
					Oi Kalau	125,000	9%	1,655	22,062										
					Kagua	106,000	3%	711	9,500										
					Shebuthwa	25,000	3%	375	5,000										
					Mureithia	40,000	6%	730	10,000										
					Kipipiri	447,990	1%	1,883	25,104										
					Muthungu	33,290	3%	1,125	15,000										
					Mukwa	25,000	1%	375	5,000										
		Total			11,145	76,386	3,581,434		31,566	420,874	19,952,539			16,922	2,426				
310	Kiikii	Zaina	586	16,000	Garagwa Los	2,930,500	2%	5,850	78,000	1,106,998	Puri Client			7,144	4,493	River			
		Tetu Thegnge	4,008	40,000	Mwaga Div	380,285	15%	11,625	155,000		Mahiga			5,392	404	River			
		Makurweiti	197	6,000	Kandune	30,000	1%	975	13,000		Gibanga			499,359	911	River			
		Mukurweini Rural	5,016	45,000	Bugaret	500,000	4%	1,575	21,000		Wang			Nil	12,192	2,833	River		
						Enduasha Settlement	994,000		1,200	16,000		Greater Garagwa			Nil	140,000	10,500	River	
						Watika	2,400,000	9%	465	6,200									
						Kinyati	64,000	9%	945	12,600									
						Kinari	1,000,000	95%	945	12,600									
						Mwangi	5,200,000	2%	480	6,400									
						Ndathi-Mbirizi	3,000,000	5%	578	7,702									
		Total			9,808	107,000	16,518,285		24,638	328,502					1,606,257	169,810	19,143		
		320	Kwale	Central Province Total	232,727	1,167,800	40,437,733		157,232	2,096,423					54,931,076	523,117	39,042		
				Tezo-Roka	313	8,736	Bamba Nyayo	2,000,000	9%	5,250	70,000		Mariani/Palakumi			115,000	5,500	201	Bamba Nyayo pl
				Mazenda/arbuni	2,005	10,192	Ruruma Mwaswa	65,000	32%	600	8,000		Megarini Settlement			3,000,000	98,600	3,823	River River
Makindoo Road	55			5,260	Kiwasip	2,155,032	59%	5,250	70,000										
Plumungu	42			6,459	Kaymango	194,200	11%	750	10,000										
						Mjanabari Congani	38,000	97%	375	5,000									
						Kitsooni	31,250	75%	525	7,000									
						Mtwapa Settlement	196,100	3%	450	6,000									
						Majarani	1,000,000	N/A	7,350	98,000									
						Kiloleli Rehab. Dams	24,000	15%	750	10,000									
Total					5,416	30,637	5,707,582		3	21,300	284,000				3,115,000	104,100	4,024		
330	Lamu			Vanga	432	4,500													
				Kikoni	1,728	12,000													
Total			2,160	16,500															
Total	Lamu	Central W/S	1,085	7,000	Lamu / Mikowe aug	583,618	8%	1,342	17,893										
Total			1,085	7,000	Central Water Supply	383,618	6%	3,907	52,893										

Table - 5.3.2 (3/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Existing				Original				Planned/Designed				
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (KES)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Project Name	Estimated Cost (KES)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply
340	Mombasa	Mtongwe-Mwenzia Ext.	400	10,000	Mwenzu/Mukaburuni	90,000	1%	2,250	30,000	Tambwani Line Ext	115,000	40,000	1,000	Existing line
		Mirani Flats Ext.	160	4,000						Shika Adabu Dias Line	18,000	5,000	200	Existing line
		Vyemani Line Ext.	160	4,000						Barahaba/Treer Town Line	25,000	20,000	800	Existing line
		Soweto/Mwaiselala Ext.	183	8,000										
		Kwa Jamvu/Mirirani	150	5,000										
	Total		1,053	31,000		90,000		2,250	30,000		158,000	65,000	2,600	
350	Taita	Chongoni	39	12,200	Mbale Phase II	40,000	98%	433	5,500	Mwororo	N/E	6,000	173	Spring
		Bura	2,599	6,100	Mwalao	70,208	8%	375	5,000					
		Wundanyi	751	16,000	Mwabwya	N/A	9%	375	5,000					
		Managa Bugata	603	7,000	Isaa Modambogo	N/A	9%	675	9,000					
		Ngrinwanyi w/s (Dembwa)	65	12,200	Kongu Nyika	N/A	85%	661	8,810					
		Mwakiki	563	7,512	Maktau	33,411	9%	613	8,170					
					Sighasa/Vighombonyi	330,913	2%	600	8,000					
					Chale Chumvini	N/A	99%	643	8,574					
	Total		4,620	61,012		474,532		4,364	58,054		0	6,000	173	
360	Tana River	Bura W/S	5,300	8,000	Oda	500,000	8%	375	5,000	Madogo	450,000	7,000	1,300	T/River
		Nguni	1,200	6,500	Coast ASAL Project	630,000	7%	1,500	20,000					
	Total		6,400	14,500		1,130,000		1,875	25,000		450,000	7,000	1,300	
	Coast Province Total		17,724	160,659		7,785,732	31	33,748	449,947		5,240,340	319,100	10,847	
410	Embu	Ima-Sinkago	1,562	42,500	Onchoka			5,625	75,000	Githeg	10,000,000	12,587	782	River
		Siakuro	196	8,000						Kipsa				Dam
		Ngunuri A	19,200	20,000						Kiambere Masinga Dam				
		Ngunuri B	6,840	20,000										
		Kiyani Kural	3,552	28,000										
		Isirua	670	5,572										
	Total		32,020	124,072		0		5,625	75,000		10,004,200	20,551	1,248	
420	Isiolo	Garbetula	128	4,746	Madagasho W/P	11,000	6%	525	7,000					
		Nigremara W/S	128	6,172	Ranga Water Liv. Proj.	20,000	7%	11,250	150,000					
	Total		256	10,918		108,500	45%	389	5,185					
430	Kitui	Mwingi	27	15,000	Ithani/Kavata	68,800	64%	2,323	30,974	Iko- Imwaise	4,000	9,000	182	Shallow well
		Kabati	498	6,643	Nzeu/Ungaru	12,000	38%	414	5,525	Ngomaro Mwiribia	75,000	14,000	350	Shallow well
		Mutito-Moi	120	8,000	Kiasa/Mbitani	20,000	9%	827	11,032	Ilika Phase II	225,000	7,000	994	River
					Kamulu/Muhungwe	45,000	8%	1,275	17,000	Mutomo Phase II	390,000	5,230	225	R/C
					Kihumula	120,000	74%	600	8,000					
					Athi Yata Ph.I	75,000	28%	472	6,289					
					Ilika Phase I	725,000	3%	472	6,289					
					Kakeani	40,000	78%	756	10,080					
					Thua Kinakoni	58,028	69%	1,125	15,000					
					Muthale Tulia	60,000	45%	1,125	15,000					
					Mutha-Katabani	180,000	93%	923	12,400					
					Ukasi	1,375,000	Nil	1,125	15,000					
					Kililo W/P	750,000	9%	750	10,000					
					Urnan Dam	7,000,000	Nil	525	7,000					
	Total		645	29,643		10,578,828		12,712	169,459		694,000	35,230	1,251	

Table - 5.3.2 (4/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Existing				Ongoing				Planned/Designed						
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (Kc)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply		
440	Masaki	Isombe	80	4,000	Kwambunga	44,400	65%	1,995	26,601	Kathiani	3,500	76,659	3,752	Dam		
		Muthetheni	1,005	13,400	Muoni piping &	6,000,000	65%	5,749	76,659	Kalanus	N/A	12,771	256	No/Tureah		
		Kathika/Kihayoni	600	8,000	Kibauni	2,020,150	5%	4,080	54,135							
		Vyuya	13	4,000	Maringa	2,800,000	1%	6,048	80,636							
		Muthetheni Dam	100	9,000	Ithang	26,000	5%	413	5,500							
		Mekiligi	124	10,000	Kibauni	2,020,150	4%	4,040	54,135							
		Uhai	750	10,000	Kalama	233,626	Proposed	958	12,771							
		Wamunyu	312	11,000												
		Siathani	2	4,000												
		Mhuni	15	7,500												
		Kibauni	2,050	12,000												
		Kathiani	26,400	9,800												
		Total		31,451	102,706		13,144,326		21,283	310,437		3,500	89,430	3,978		
		450	Marsabit	South Horr	137	6,300	Moyale Lam Holale	35,800	7%	638	8,500	Bori	17,500	6,000	150	B/Hole
				Godoma	20	6,000	Loyangalani W/S	31,100	6%	420	5,600	Loyangalani	23,000	19,000	750	Springs
				Uruu	39	5,000	Seloto Hand Pump	24,000	95%	645	8,600	Sugate	N/A	5,000	375	Springs
				Maikona Wells	68	11,000	Bodessa W/S	31,600	99%	375	5,000					
Bubisa	21			7,000	Rehabilitation	N/A		14,250	190,000							
Loyangalani	82			8,000												
Dabel	52			9,000												
Bori	11			5,000												
Waldia	137			6,000												
Drib-Gambo B/H	49			4,600												
Laisamis	27			8,200												
Loglog	137			13,000												
Ngarunit	3			6,000												
Total				783	95,100		125,500		16,328	217,700		0	42,500	30,000	1,275	
460	Meru			Miyuguru	480	91,000	C.C.M. Kamate	245,000	1%	460	6,136					
				Mwambi	3,000	32,000	Lewer Kathanguru	N/E	9%	675	9,000					
				Nthabate	600	7,000	Magardu	N/E	7%	375	5,000					
					Nyakiro	175,000	7%	750	10,000							
					Kithini Mari	N/E	9%	375	5,000							
					Kathari Onulili	115,450	5%	750	10,000							
					Central Abothoguchi	285,000	9%	1,200	16,000							
					Muaa Mujwa S/H	180,000	5%	825	11,000							
					Kathari Nihumbiri	175,000	8%	1,305	17,400							
					Gibui Mwera S/H	300,000	2%	3,150	42,000							
					Gachua W/P	55,000	35%	750	10,000							
					Memeo	30,000	95%	465	6,200							
					Nauri Kirua	250,000	85%	2,250	30,000							
					Ngonga Madandure	250,000	4%	657	8,765							
					Kieghia Gutumbi	250,000	4%	2,399	31,989							
					Kithina Umoja	180,000	2%	552	7,360							
		Total		4,080	130,000		2,458,450		3	16,939	225,850					

Table - 5.3.2 (5/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Existing				Ongoing				Planned/Designed								
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (K£)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Project Name	Estimated Cost (K£)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply				
470	Nyambene	Kawaru	1,620	20,000	Kiaki (Kaongone)	N/E	Ongoing	1,140	15,200									
		Anwamba	349	8,000	Giwe	N/E	Ongoing	787	10,495									
		Murimi	294	4,500	Athuri Kujjire	N/E	Ongoing	713	9,500									
		K.K. Mwehe	1,499	12,000	Kiheta-Miori	N/E	Ongoing	600	8,000									
		Kamberwa	155	25,000	Anubechu	N/E	Ongoing	825	11,000									
		Kiaki (Kaongone)	900	5,000	Iumi	N/E	Rehab.	420	5,600									
		Giwe	1,000	5,000	Gatuntone	N/E	Ongoing	1,127	15,025									
		Kiheta Miori	500	5,000	Kirambi	N/E	Ongoing	450	6,000									
		Mithene	2,625	35,000	Kando-Mula	N/E	Ongoing	750	10,000									
		Tignia	4,104	80,000	K.K. Mwehe	N/E	Ongoing	3,000	40,000									
		Total		13,086	199,500	Nauri	2,500,000	Ongoing	1,500	20,000								
		480	Tharaka Nithi	Murugi/Mugumungo	700	20,000	Tharaka Water & Sanitation	20,000,000	85%	933	12,440	Karungani	150,000	22,814	2,200	River		
Mugumoni	2,191			9,000	Mugumoni	550,000	4%	4,125	55,000									
Karungani	5,000			45,000	Ginachuku	40,100	5%	1,944	25,925									
Mwambi Chogoro	2,400			20,000	Gitua-Karimba	290,100	1%	2,131	28,411									
Total				8,896	94,000		20,840,200	0	9,133	121,776								
490	Mwangi			Ngomeni W/S	750	10,000	Ukai	450,000	2%	1,088	14,500	Katse	150,000	22,814	2,200	River		
				Migvani	243	19,000	Muthetu/Kalitari	29,150	95%	525	7,000							
				Total		243	29,000	Ngomeni W/S	20,000	5%	1,500	20,000						
				490	Makueni	Wote	75	5,500	Kibara	499,150	1	3,113	41,500					
						Makindu	480	12,000	Wote (Rehab.)	2,020,150	5%	4,060	54,155	Kiteva Dam (Upper Ngaa)	5,000,000	75,000	7,000	Dam at Upper Ngaa
						Kikumbuyu Rural	720	9,400	Mbitini	115,000	6%	626	8,348	Kalamba Dam & Piping	5,000,000	200,000	10,000	Dam
						Ena-Siakago	2,400	8,800	Kihawyu	350,000	5%	1,125	15,000	Nzu	1,500,000	15,000	432	Spring
							Kikumbuyu	155,000	85%	1,504	20,048	Maooni W/P Ph II/III	300,000	20,000	605	Existing Dam		
							Kikima	7,500,000	2%	4,800	64,000	Makueni Distr. Hq's	5,000,000	50,000	10,000	Dam		
							Nzu	200,000	Nil	600	8,000	Tovola Dam	500,000	15,000	450	Dam		
							Malhangathi	200,000	7%	825	11,000	Maooni	1,000,000	37,000	1,800	River		
							Beasu	250,000	8%	375	5,000	Muoni	1,500,000	19,000	990	Tank		
			Shallow Well Prog.			40,000	5%	750	10,000	Kiungu	150,000	5,000	70	River				
			Kwavyithia			1,000,000	1%	2,100	28,000	Mbitini II	200,000	11,000	432	Spring				
			Kambi-Kitengi			400,000	25%	825	11,000									
Total		3,675	35,700		13,005,150	2	22,840	304,531										
510	Garissa	Eastern Province Total	95,130	850,633		69,474,164	6	153,447	3,779,288									
		Masalani	55	5,150	Bulagolol	31,000	2%	375	5,000	Amwima	85,000	5,000	300	B/Hole				
		Mbatambala	68	4,120	Karunthi	32,000	9%	450	6,000	Juru	100,000	10,000	500	B/H. Surface				
		Mdogosha	38	6,065	Raye	31,000	95%	450	6,000									
		Dadaab	82	4,625	Gurisa Urban	10,000,000	42%	6,000	80,000									
		Aujiyar	25	3,150														
		Shanta-abak	23	4,635														
		Juru	375	5,000														
		Total		667	34,745		10,094,000	1	7,275	97,000								

Table - 5.3.2 (6/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Existing			Ongoing			Planned/Designed							
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (Kc)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply	
520	Mandera	Wargadud	80	6,000						Tababa	601,250	50,000	900	Dam	
		B/H. Elken	80	4,000						Danusa B/H (Qurannadhow)	230,000	20,000	1,500	B/Hole	
		S/Fatuma	80	4,000											
		Kutulo	15	4,500											
		Kalaliyo	79	4,000											
		Nesot (Army Section)	160	5,000											
			494	27,500											
			68	5,000											
			110	5,000											
			151	5,000											
530	Wajir	Abakore	100	25,000											
		Arbajahan	141	16,000											
		Habsowain	168	20,000											
		Wajir Minor	240	5,000											
		Kherof Inkar	192	8,000											
		Kujulo	192	7,000											
		Danusa	216	10,000											
		Hatado	101	5,000											
		Riyamadhaw	126	20,000											
			1,405	131,000											
610	Gusii	North Eastern Province Total			2,065	193,245									
		Genet/Geusu	51	27,532											
		Burongo	2,812	18,000											
		Gioneri	490	4,720											
		Mosochi Gasoni	60	6,000											
		Tahaka	100	4,200											
		Keroin	900	27,369											
620	Kisumu	Total			4,428	87,801									
		M/Kombwa	2,250	30,000											
		Nyakach W/S	9,000	120,000											
		Kenasin W/S	28	5,000											
		Othoo	750	10,000											
		Kibigori	720	10,000											
		Korui/Mnara W/S	192	5,000											
		Kisumu Rural W/S	1,992	25,000											
		Oyups	8,640	32,000											
		West Karachuonyo	1,920	140,000											
	1,080	12,000													
	16,042	399,000													
630	Kisumu	Total			4,701	54,000									

Table - 5.3.2 (7/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Isukunda					Onyanga				Planned/Designed						
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (Kc)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply			
640	Sinyu	Bondo	296	10,000	North Sakwa	1,500	3%	2,250	30,000	Ujena/Uholo	N/E	30,000	2,000	K. Wuoroya			
		Yala Township	548	5,000	South Sakwa	1,050	6%	3,000	40,000	Siundi/Maitanga Phil	N/E	310,000	18,223	River Yala			
		Uyoma	1,060	5,110	Uranga/Ramula	350	7%	750	10,000	Kokise	4,000	7,000	450	L.Victoria			
		Muana Dam	166	12,775	Aembe Bay	60	85%	375	5,000	Siinyo	6,000	13,400	700	Nzoia River, B/h			
		Ukwali	975	13,000	KRYWSP Well & B/h Prog	N/E	95%	60,000	800,000								
		North Sakwa	688	8,913													
		South Sakwa	1,009	13,457													
		Uyanga	288	6,000													
		Sega	336	16,000													
		Siundi/Maitanga	3,480	90,000													
640	Home Bay	Uranga/Ramula	648	5,000													
		Bar Ober	1,500	20,000													
650	Migori	Yanga/Sirawaga	960	5,000													
		Sipumure	600	10,000													
		Total	12,554	220,255		2,960		66,375	885,000		0	10,000	300,800	21,353			
		Koshin	2,100	28,000	Obera	150,000	5%	5,625	75,000	Migori/Nahwa	9,000,000	30,000	2,250	River			
		West Rachuonyo	171	104,000	Nyandwa	75,000	4%	5,700	76,000	Kosele	1,000,000	10,000	750	River			
					Kanyulo	350,000	2%	17,250	230,000								
					Wang'chieng	265,000	25%	25,511	340,150								
						840,000		54,086	721,150		0	10,000,000	40,000	3,000			
					Nyasare	409	6,500	Karungu	250,000	25%	18,750	250,000	Muhuru	500,000	17,125	1,422	Lake
											41,000	65%	375	300	River		
660	Nyamira																
710	Kajiado																
720	Kipiga																

Table - 5.3.2 (8/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Existing				Ongoing				Planned/Designed				Source of Supply	
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (KES)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (KES)	Design Population (Nos)	Design Capacity (m ³ /day)		
740	Laikipia		887	18,600											
		Doldol water supply	21	5,000	Wamirire wip	1,320,584		1,581	21,083	Nyaktech Ext.	337,500	29,725	5,320	River (Dam)	
					Lorian/OMC wip	250,000	68%	1,494	19,920	Kinambu/Suppli wip	0	258,540	4,740	River (Dam)	
					Ndurumo/Minjore	85,000	6%	750	10,000	Nyakuma W/P	300,000	N/E	N/E	Dam, B/Hole	
					Laikipia West wip	500,000	55%	1,500	20,000	Nurukuma W/P	1,75,000	5,000	443	River	
					Mitanya Wemini wip	3,500,000	1%	19,650	262,000	Ehi SH/W/P	1,398,371	24,120	6,912	River	
					Ngunantiro W/P	500	1%	2,400	32,000	Kiambu W/P	1,174,530	20,000	1,333	River	
							15%	2,400	32,000		170,000	50,000	78	Spring	
											0	3,117,901	99,120	8,766	
							4,385,500		24,194	375,920	Lare Kihungo	2,750,000	50,000	2,743	B/H, River, Spring
740	Nakuru	Linet	57	5,000	Nghia Kirobon W/P	3,200,000	6%	1,298	17,400	Maruigushu W/P	2,591,000	11,900	592	B/Hole	
		Nyamamithi	240	3,200	Solai Menengai	300,000	7%	585	7,800	Temeyota W/P	928,000	5,900	294	Dam	
		West acre	259	4,000					Ndibini W/P	N/E	8,830	415	B/Hole		
		Crater Stream	864	45,000											
		Oleingruone	65	3,500											
		Lake Nakuru Block 4	166	18,000											
		Lake Nakuru Block 2	103	6,000											
			1,754	84,700											
			8	4,000	Inshariani	186,499	95%	456	6,080	Narosom Irr. Proj.	268,800	20,000	340	Spring	
			1,315	3,500	N/Enkare	300,000	2%	1,005	13,400						
750	Nairobi	Kileleshwa	100	3,000	Mosito Pans	386,925	4%	975	13,000						
		Matet	300	12,775											
		Olulunga	110	4,650											
		Ilmasharian	216	9,198											
			2,049	37,189											
					Kumitini	879,424		2,436	32,480		0	268,800	20,000	340	
					Kimondo	300,000	4%	2,192	29,230	Cherangani	40,000	234,471	10,549	River	
					Sibwiga	120,000	3%	910	12,137	Gituamba	50,000	7,708	691	River	
					Kachibora	470,000	35%	781	10,414						
							2%	519	6,915						
760	Trans Nzoia				1,190,000		4,402	58,696		0	90,000	232,179	11,240		
					1,000,000	48%	750	10,000	Amabhoi	900,000	86,000	3,111	Spring, Dam, River		
					900,000	4%	6,450	86,000	Kambi ya Kabatu	85,000	200,000	15,000	Dam		
					170,000	35%	1,494	19,923	Moggywet W/S	530,032	27,550	360	B/H		
					8,000,000	52%	645	8,600							
770	Uasin Gishu		3,111	44,770	Moi's Bridge	1,000,000		750	10,000		0	1,315,032	313,550	18,471	
			36	4,000	Ainabhoi	313,650	%	780	10,405	Greater Bonnet	30,270,597	N/E	N/E	River	
			60	6,800	Yamumbi	425,000	9%	493	6,567	Kiplabowa	900,000	22,777	823	River	
			1,173	14,000	Sumbat	235,552	8%	1,196	15,952	Kumogato Ph. Sth.	210,000	7,965	401	River	
			980	4,600											
			980	7,665											
			1600	4,267											
			2,027	27,033											
			8,367	113,133											
			473	5,000	Saglat	10,070,000		9,339	124,523		0	1,315,032	313,550	18,471	
780	Bomet		1,200	4,000	Kaprusu Dam	425,000	9%	493	6,567	Kiplabowa	900,000	22,777	823	River	
			1,200	10,000	Kaptebengwet	235,552	8%	1,196	15,952	Kumogato Ph. Sth.	210,000	7,965	401	River	
Total			2,874	10,000		974,402		2,459	32,924		0	32,156,097	107,845	3,403	

Table - 5.3.2 (9/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Existing				Ongoing				Planned/Designed				Source of Supply		
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (M)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Project Name	Estimated Cost (M)	Design Population (Nos)	Design Capacity (m ³ /day)			
790	Transmara	Angali/Hangahwis	10	4,000	Ditimasari W/P	15,000	3%	1,125	15,000							
		Lelgorien W/S	15	3,500												
Total			25	7,500		15,000		1,125	15,000							
810	Baringo	Narusua	750	11,000	Bacho/Remo	1,700,000	7%	728	9,700	Beregas Dam	5,000,000	31,622	2,372	Dam		
		Chemeron	15	17,000	Aroz/Saino	1,08,942	6%	788	10,500	Segert	475,000	5,082	381	Stream		
		Torongo	480	8,000	Kabartono Kuku	1,875,750	9%	1,012	13,500							
		Oikokwe	166	4,000	Timboroa	60,000	7%	1,470	16,600							
					Torongo	50,000	95%	1,461	24,543							
		Total			1,411	40,000	ASAL Programme	1,65,000	2%	1,875	25,000					
		820	Elgyo Mankwet	Kipitarakwa	534	8,000	Kapcharop Ph 1	120,000	9%	1,170	15,600	Keta/Olot Ph II	100,000	10,650	335	Tr. Furrows
				Nerkwo	5	4,088	Sergait	1,400,000	22%	3,750	50,000	Sera/Simbebi	130,000	5,225	242	Tr. Furrows
				Kapsowar	1,600	5,000	Resim	210,000	48%	375	5,000	Merkei/Moga/Toot	8,000,000	125,163	14,062	Torok, Kimwara, Moge River
				Kujitarakwa	840	4,400	Chesangi/Chetongai	62,160	57%	615	8,200	Kapsowar Extension	100,000	12,750	680	Ematton River
Chepkorio	240			4,500		1,086,000	9%	2,625	35,000		2,160	27,000	3,375	River		
Total					3,223	26,388										
830	Nandi			Nandi Hills	263	15,000	Siron W/P	2,000,000	85%	450	6,000	Lesen Dam	350,000	15,000	2,000	River
				Lelmolwo	312	4,000	Meretel	1,000,000	1%	1,125	15,000	Kipkaren Dam	450,000	20,000	2,500	River
				Kemeloi Kobujoi Ph I	517	10,000	Kipkaren Dam	6,000,000	7%	1,875	25,000	Kamauch	400,000	20,000	2,500	River
							Kaburak W/P	280,000	5%	1,200	16,000	Kipigak	4,700,000	85,000	9,000	River
					Kajgat	161,000	85%	375	5,000	Kurgak	14,000,000	140,000	16,000	River		
					Kapchorwa	25,000	75%	638	8,500	Chemase	475,000	10,000	800	River		
					Kimaam	40,000	65%	450	6,000	Kabiyet	344,500	15,000	1,500	Ngaam stream		
		Total			1,092	29,000										
		840	Sumburu	Londonpokwe	192	4,000	Archers Post	25,000	9%	465	6,200	Archers Post	120,000	6,200	553	Buffalo Spring
				Kisima	192	4,000										
Burigo 1 Borehole	60			4,000												
Burigo 2 Borehole	31			4,000												
Sugata marmar water supply	1,200			3,000												
Archers post	864			4,000												
South Hill water supply	1,200			10,000												
Lokus water supply	133			30,000												
Total					3,872	63,000										
850	Turkana			Keilla	138	5,000	Kainak	72,845	1%	593	7,900					
		Lokori	197	7,000	Kalobweyi	79,500	75%	675	9,000							
		Kainak	72	9,300	Lokori	42,500	1%	450	6,000							
		Lokchojo	405	5,400												
		Loerwegak	144	7,000												
		Lokchar	170	7,000												
Total			1,076	46,700												

Table - 5.3.2 (10/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Existing				Ongoing				Planned/Designed				Source of Supply	
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (KSh)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Estimated Cost (KSh)	Project Name	Design Population (Nos)	Design Capacity (m ³ /day)		
860	West Pokot	Turker/Keringet	301	6,100	Cheropacha	23,000	6%	413	5,500	Ywalatake/Morbus w/p	15,000	750	Kiver		
		Orum W/S	548	7,210	Ywalatake/Morbus	23,000	4%	48,750	650,000						
		Cheraria w/s	685	8,240											
		L/Prog B/h (90 Drilled, 75 Installed)	1,383	18,437											
		Kachelba	197	4,000											
Total			3,114	44,007	46,000		49,163	655,300	0	15,000	750				
Kit Valley Province Total			35,146	583,378	92,811,607		130,910	1,745,469	0	104,356,263	1,823,714	180,528			
910	Hurgoma	Nadiru Health Centre	3	21,600	Little Nzosis West	3,167,320	1%	6,982	93,092	Kapitama/Sikhandu/Sikhandu	130,000	6,843	Spring		
		Bokoli Health Centre	44	19,270	Muchi/Mito Khalumuli	185,500	6%	895	11,930	Mitaka	25,000	1,500	B/M/Spring		
		Kabucha Health Centre	41	33,049	Stobei/Nalondo/Kabuchoi	30,000	32%	1,200	16,000	Leakhabha	10,000	750	Spring		
		Muchwele	22	5,000						E/W Saboti	8,000	600	River		
		Kinabiti Complex	85	6,800						Naitiri	8,000	600	River		
		Lakhuwa	375	5,000											
		Kapsowony	296	15,000											
		Kapama/Cheiso	48	4,000											
		Chepkube	721	17,000											
		Nakvasi/Makuselwa	2,736	60,000											
		Boitoli / Kibietori	1,680	50,000											
		Old Kibietori	480	25,000											
		Chwete	2,040	5,000											
		Chesikaki	2,312	88,000											
		Total		10,893	355,119		3,382,820		9,077	121,022	2,575,000	181,000	10,291		
		920	Busia	Punyula/Bumala	426	29,069	Busia/Mundaxa	1,025,000	7%	3,750	50,000	Port Victoria	25,070	1,243	L.Victoria
				Wachanga	1	5,550	Funyula/Bumala	410,000	2%	2,850	38,000				
Sio Port	354			4,717	Malaba/Kocholia	4,250,000	37%	6,628	88,370						
Amakura Complex	30			4,000	Ojiboi/Namsumbi	70,000	5%	450	6,000						
Amakura	30			4,000	Malaba/Kocholia	4,250,000	37%	6,628	88,370						
Port Victoria	600			10,000											
Busia Hills	840			15,000											
Funyula - Nang'au	250			7,000											
Total				1,021	12,803		10,605,000		20,306	270,740	250,000	25,070	1,243		
930	Kakamega			Bukura W/S	3,532	92,067	Mwaikelela	100,000	7%	465	6,200	Shitoli II	100,000	7,500	River
		Shikusa W/S	92	4,070						Kepuro	15,000	3,125	N/E		
		Lamkanda	326	4,350						Karimong Kaptoia	5,000	375	N/E		
		Soy	750	10,000						Kapiana/Kaboron	8,400	576			
		300N W/P	4,500	60,000						Kaboywo	8,900	300	N/E		
		Little Nzoma	4,992	15,000						Chikalini	47,000	3,900	River		
		Malawa	96	8,000											
		Total		11,072	106,016		100,000		465	6,200	577,125	184,309	11,776		

Table - 5.3.2 (11/11) Water Supply Project for Large Scale Rural Water Supply (LSRWS)

Code	District	Existing				Ongoing				Planned/Designed				
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (K€)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (K€)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply
940	Vihiga	Ihumbo/Shamakhokho	50	4,500										
		Maitini/Siriso	50	3,800										
		Mingu-Buyeni	200	8,240										
		Most Girls' Vekoli	49	15,450										
		Kaimosi	1,440	52,500										
		Soulini	720	10,000										
		Total	2,809	94,520										
		Western Province Total	27,997	647,716										
		TOTAL	448,602	4,484,047	200,465,240		657,926	8,772,351		456,455,764	4,404,201	375,804		

Source

Field Survey by the Study Team

Project Rehabilitation Survey by the Ministry of Water Resources

Project Status Report 96, Ministry of Water Resources, Dec. 1997

Brief on National Water Conservation and Pipeline Corporation's Activities and Present Status, National Water Conservation & Pipeline Corporation, Sep. 1997

The Study on the National Water Master Plan, Water Resources Assessment & Planning

Ministry of Local Authority

Table - 5.3.3 (1/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing						Opening						Planned/Designed		
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos.)	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos.)	Project Name	Estimated Cost (Kc)	Design Population (Nos.)	Design Capacity (m ³ /day)	Source of Supply		
210	Kiambu	Kijabe	32	420	Thirithia	1,790,000	60%		N/E	Kijabe	1,440	2,400	32	River		
		Githunguri Cit. Gichama		N/E	Milumbidi	10,000,000	40%		N/E	Kijabe	720,000	3,000	10	R/N		
		Githunguri	172	2,287	Githunguri Ng'aho	6,000,000	40%		N/E	Elkifom	1,440	3,200	240	R/N		
		Ondiri/Githunguri		N/E	Githunguri	2,500,000	50%		N/E	Githunguri	360,000	500	121	River		
		Karamale		N/E						Muhimbili Kadogo	1,440	2,500	148	River		
		Roof Catchment	162							Magna Gachengo	3,000	3,000	253	R/N		
		Others	4,728							Muhanda	N/E	3,000	180	River		
										Gijwe Githa	250,000	420	100	River/Stream		
										Kinile Sec.	250,000	420	100	RCC		
										St. Anne Road	125,000	420	100	NCC		
										Syabanda	70,000	550	35	River		
										Kamithu Tarabana	6,000	N/E	N/E	R/N		
										Kagat	N/E	N/E	N/E	River		
										Juja Farm	2,400	4,000	300	River		
										Gechero	120,000	4,490	354	River		
											1,999,940	27,990	1,983			
		Total			9,062	2,707	20,250,000	0	0	0						
		220	Kiambu	Kimbili	206	680	Kigehero/Kamuyange	31,856	40%	360	4,800	Gehunguri	34,000	1,000	417	River
Kuoria W/P	1,210			600	Miraiti	25,085	60%	98	1,200	Kiambui/Githage	N/A	400	50	River		
Kiungu High Sch.	97			1,040	Kamweli	117,000	-	97	1,200	Kiungu	37,500	800	200	River		
Muraiti S/Help	280			500	Kemera W/P	110,000	80%	188	2,500	Thumalia	N/A	900	68	River		
Kigama S/Help	11			200	Njaguti	200,000	-	75	1,000	Kiamboro	N/A	N/A	N/A	River		
Kiburia Cit. Sec. Sch.	160			1,200	Thumalia Sec. Sch.	4,200	68%	48	640	Kiamboro	400,000	410	1,176	River		
Nyera S/Help	418			3,000						Rumbaru	18,603	700	170	River		
Ahiti Ndombi	313			1,500						Mwihoro Women w/p	40,000	1,500	120	River		
Githidiri Prison	192			1,243						South Ng'ombe	265,000	1,327	143	River		
Kamweli F.T.C	20			100						Muthaha	750,000	2,866	414	River		
Kibore O. S/S	28			560						Wibore	215,500	450	385	River		
Wamunya Approved	4,533			450						Ngalika						
Roof Catchment	0															
Others	7,493			10,975			486,141		863	11,536		1,790,633	10,353	3,123		
Total				69	13,590							N/E	3,500	450	Gatanga River	
230	Muramba			Kiamba							N/E		4,000	243	N/E	
				Roof Catchment	134								N/E	600	Thaara River	
		Others	24,281								N/E	550	Sabasha River			
											N/E	N/E	Githika River			
Total		24,414	13,590							0	2,500	1,443				

Table - 5.3.3 (2/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Baining			Urening			Planned/Developed							
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (KSh)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Project Name	Estimated Cost (KSh)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply	
240	Nyandarua	Oi Kalou South	8	100	Murubi B/Hole	7,500	50%	193	2,575	Mwireri V/H	109,807	3,253	272	River	
		Sitanga U/Oligi	30	150	Karai B/Hole	45,000	50%	327	4,365	Waro	45,000	1,600	80	B/Hole	
		Passenge	46	250	Kamba	35,000	20%	75	1,600	Ghimanau	50,000	2,000	90	B/Hole	
		Maitindi	30	200	Malangire Nyaduanthi U/Oligi Ph.II	50,000	50%	319	4,254	Kamba Ph. II	300,000	2,000	480	River	
		Milagire	55	100	Kiburuti	50,000	40%	0	Nil	Mwireri	150,000	1,000	360	River	
		Mwayitia	27	400	Tumaini Hosp.w/s	20,000	80%	53	700	Kanjari	300,000	2,000	150	River	
		Narungu	59	100		4,000	90%	6	100	Mwayitia Ph. II	50,000	600	240	B/Hole	
		Ex-Major	150	2,000						Mutera	14,900	3,725	400	B/Hole	
		Kalimbaba	30	100						Mukungu	19,000	4,750	520	River	
		Oi Kalou C. B/H 12	22	100											
		Giligi West	296	600											
		Kiburiti	2	50											
		Mhuyu C. Daun	Nil	Nil											
		Lesha Kangoini Ph. I	192	3,000											
		Ndarungu Police w/s	45	Nil											
		Ndarungu Forest Stn.	116	Nil											
		Ralochi B/H	7	Nil											
		Kumi Fumera w/s	24	Nil											
		Mandhu W/P	39	Nil											
		Mahigani	1	Nil											
		Nibhali	23	3,500											
		Musome Ph. I	14	290											
		Karisi	30	700											
		Oraimuta	86	2,100											
L/Kariko	10	1,600													
Roof Catchment	117	3,000													
Others	181														
		4,643													
Total		6,319	19,340		211,500		975	12,994		1,098,707	21,924	2,652			
250	Nyeri	Roof Catchment	229		Orunganga	28,000	100%	176	2,340	Naromaru CC	45,000	2,952	40	River	
		Others	#N/A		Naromiri Irr.	25,000	50%	188	2,500	Mwiritiba	33,674	248	13	River	
					Kigaru	9,000	90%	188	2,500	Kabuda	656,837	4,097	1,756	River	
					Nyarbu	30,000	75%	184	2,500	Ngoode	810,000	3,457	1,396	River	
					Kabandera Irr.	150,000	100%	158	2,100	Mugenda		2,769	208	River	
					Kabandera Niarungu/ro	15,000	90%	150	2,000	Kiawakuru		Nil	Nil	River	
					Title (Tetu Theganga/Aug)	35,000	80%	0	R/N/A	Simbara		Nil	Nil	River	
					Muhoyas	3,250,000	40%	0	R/N/A	Tanga Rugal	500,000	4,650	8,100	River	
					Labora	16,040	90%	150	2,000	Mutub-in		Nil	Nil	River	
					Kiagarwe/Kiama-chimbi	R/N/A	100%	115	1,530						
					Lijiro Kamatu	24,500	100%	109	1,450						
					Kanjari	105,905	100%	105	1,400						
					Mwitwari	145,000	100%	27	362						
		Total		15,676	0		3,877,475		1,551	20,662		2,085,511	18,173	11,877	
				65,034	46,612		24,625,116		3,391	45,212		6,834,761	85,904	21,771	

Table - 5.3.3 (3/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing				Ongoing				Planned/Designed						
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (US\$)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (US\$)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply		
310	Kullit	Musamali/Makungu	247	3,000	South Chonyi	205,000	70%	225	3,000	N/A	31,000	4,382	74	Isokote		
		Mazera	411	988	Mfinjani	27,600	45%	300	4,000	N/A	35,000	1,600	140	Pinglikani Dindini pl		
		Roof Catchment	0													
		Others	13,400													
		Total	14,057	3,988		212,600		525	7,000		66,000	5,982	214			
		320	Kwale	Shimba Hills	15	2,500	Mogosi Mtera	45,050	50%	225	3,000	Kanaga Dam	105,000	1,000	60	Rain-off Rain
				Mtanzani W/S	188	2,500	Washi Jaka	150,000	60%	75	1,000	Gwase Dam	1,000,000	100	300	Rain Water
				Mtanzani W/S	60	800	Sambani Shikoni	180,000	33%	225	3,000	Mwaligheza Rock Catch.	130,000	2,000	80	Rain Water
				Mtisa Dam			Kileje Bombo	31,500	80%	225	3,000					
				Kasentani Mjini Hudu pl			Mkwere Jambas	100,000	10%	75	1,000					
Roof Catchment	14				Mtanzania Dam	55,000	10%	225	3,000							
Others	11,080				Samburu Ranch	20,000	50%	150	2,000							
Total	11,336			5,800		581,550		1,200	16,000		1,255,000	3,100	444			
330	Lamu			Kunye/Makoni	99	300	Kungu/Tababeni	26,000	50%	4	50	Mtisi W/S	N/A	N/A	300	Well
				L. Kenyatta wa	99	1,200	Kwaga/Chaudoni	10,000	100%	4	30	Witu Settlement Scheme	N/A	N/A	N/A	
		Witu Police Ph.	49	100	Kungu/Makoni	500,000	40%	75	1,000							
		Witu Township w/s	39	2,500	Mpeketoni Secara	40,000	45%	30	400							
		Mhamudi Dam	33	1,500	Makwe Roof Cai.	8,000	100%	1	16							
		Roof Catchment	0		Faza Djibias	30,000	100%	8	100							
		Others	1,357													
		Total	1,676	5,600		614,000		122	1,622		0	0	300			
		340	Mombasa	Kwa Jonvu Jitoni Ext.	120	3,000	Burheba	24,300	100%		N/A					
				Kasmani W/P	120	3,000	Shikadabu W/S	37,500	40%		N/A					
Roof Catchment	0				Munguereh W/S	11,000	20%		N/A							
Others	18,272				Bokole Mruaga	8,500	1000%		N/A							
Total	18,272				Roof Hodi W/S	150,000			N/A							
					Burhani/Mahoroni w/s	40,000			N/A							
					Kisumbi Changi	38,000			N/A							
					Bugameyo/Mungole w/s	N/E			N/A							
					Denyenyu	N/E			N/A							
Total	18,612			6,000		309,500		0	0	0		0	0	0		

Table - 5.3.3 (4/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing				Opening				Planned/Assured					
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (KSh)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos.)	Project Name	Estimated Cost (KSh)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply	
350	Taita	Kuchingoma (Wavughi)	49	1,600	Omiba	100,000	50%		N/E	Mvurate	25,000	2,015	778	Stream	
		Majigi	65	2,100	Mwanda Phase II	20,700	95%		N/E	Doo	N/E	1,200	90	Stream	
		Mogote Nyika	52	1,600	Mashigali	25,000	60%	149	1,992	Solome	35,275	N/E	N/E	Spring	
		Mogosa Shallow Well	20	1,200	Nwanga	1,500	90%	263	3,500	Kusunyvi	N/A	N/E	N/E	Stream	
		Mwambubi	257	3,400	Perangi/Milange	50,000	30%			Taito Nyika	N/A	N/E	N/E	Spring	
		Gona/Kambilo	94	1,700	Mooza	25,000	5%	120	1,600	Lyole/Choke	94,224,108	3,400	54	Stream	
		Njoro Kubwa Irr. Canal	69,269	412	Mwaracha	11,575	90%	68	400						
		Daku	7	300	Mghandini	17,500	80%			N/E					
		Mvurate	100	4,100	Lyole Madianyi	48,750	45%			N/E					
		Dembwa Wua	104	3,100	Indo Shigero	29,000	80%			N/E					
		Mwajila/Teti	65	2,700	Mwateke/Kenyi	17,500	60%			N/E					
		Mwanyi	191	2,100	Nyache	2,500	90%			N/E					
		Mwambubi	11	400	Mwabi	180,000	99%			N/E					
		Muruyi Chira	8	400	Chazi	25,000	98%			N/E					
		Mwaronyi	27	1,900	Mthaga	N/A	50%			N/E					
		St. Mary's Luohonyi Sch	8	400	Bugira Kock Catchment	2,500	50%			N/E					
		Kashuba	55	1,600	Bugira/Mauno	18,000	60%			N/E					
		Roof Catchment	0		Kusaga	18,700	90%			N/E					
		Others	0		Nzugu	80,000	60%			N/E					
					Ndeme	15,000	60%	225	3,000						
					Makwasinyi Bugira	55,000	90%			N/E					
					Njoro Kubwa	N/A	2%			N/E					
					Flood Coat & Drain, Kimoruo	40,000	60%			N/E					
					Mwaji	324,902	20%	300	4,000						
					Nwaulup Paaga	N/A	90%	338	4,500						
					Muroni	N/A									
					Mundilo	N/A									
					Kashuba	1,190,527		1,462	19,492						
360		Total	70,423	29,495											
		Njipi		N/E											
		Mulanis W/S		N/E											
		Duku W/S		N/E											
		Munzhi		N/E											
		Wenje		N/E											
		Mbatimbale W/S		N/E											
		Natural		N/E											
		Roof Catchment	0												
		Others	389												
		Total	389	0											
		Costs Province Total	1,16,495	50,983											
410		Roof Catchment	22												
		Others	3,106												
		Total	3,128	0											

Table - 5.3.3 (5/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Locating				Opening				Planned/Designed					
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (Kc)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply	
430	Iruo	Kulame W/S	50	2,510	BIM W/P	40,000	10%	75	1,000	Bisan Biliku	325,000	1,400	70	B/H	
		Sereho W/S	77	2,919	Biana W/P	55,000	20%	104	1,300	Duse	125,000	900	115	B/H	
		Boji W/S	83	1,100	Dadacha W/P	450,000	10%	113	1,500	Kisa	450,000	4,577	229	Spring	
		Buasa W/S	128	2,240							Charfas W/P	217,500	1,883	95	B/H
		Roof Catchment	4								Badana W/P	356,788	1,200	61	B/H
		Others	1,010								Maloyasa W/P	170,500	1,000	15	Shallow Wells
											Kom W/P	325,000	1,000	50	Sub-Surface Dam
											Makugalla W/P	325,000	2,120	106	B/H
											Korbesa W/P	325,000	500	25	B/H
											Maraba W/P	275,167	2,240	114	B/H
440	Mbatia									Grasbom W/P	142,500	600	30	B/H	
										Alamach W/P	3,362,455	17,912	986		
		Total	1,351	8,789		545,000		291	3,682						
		Kyaso	7	1,750	Kimsa	40,000	60%	135	1,800						
		Mutopo			Nii Kalhoni	7,500	60%	192	2,560						
		Ikungu	19	300	Katuu/Ngunani	19,300	85%	193	2,600						
		Muuu/Khai			Nii										
		Mgani			Nii										
		Enzha			Nii										
		Ngoneni			Nii										
440	Mbatia	Roof Catchment	7												
		Others	2,048												
		Total	2,081	2,050		66,800		322	6,900						
		Kihoko	36	Nii Majidi Memoria	15,000	50%	15	200							
		Moa Hill		Nii Kikambani	21,430	100%	263	3,500							
		Munyata	50	1,500	Konza	213,235	100%	263	3,500						
		Murumu/Kanuthaaba	90												
		Ndiabosi	130												
		Kimsa Kimeve													
		Kinyaji	82												
440	Mbatia	Sergal													
		Kisakuli													
		Kionyweni													
		Kitayuni	15	1,500											
		Kihimani Makurao	45	2,500											
		Kwasa	104	2,100											
		Kimilwa													
		Kikambani	75	3,400											
		Kimungathi	2	2,500											
		Miu	225	3,000											
440	Mbatia	Konza													
		Muthembi Oria	225	3,000											
		Lupolo/Sinab	36	2,100											
		Mitirai	225	3,000											
		Others	3,394												
		Total	4,747	24,600		249,760		340	7,300						

Table - 5.3.3 (6/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing			Original			Planned/Designed								
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (K/L)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos.)	Project Name	Estimated Cost (K/L)	Design Population (Nos.)	Design Capacity (m ³ /day)	Source of Supply		
450	Marañali	Dukim W/S	39	3,500	Dobank	2,600	80%	150	2,000	Furth	12,500	4,000	1,000	R/Hole		
		Cox Wells	27	1,500	Husein Dam	11,400	70%	188	2,500	Godoma	8,000	2,000	50	R/Hy Well		
		Gatlab	41	3,500	Uran	5,000	99%	225	3,000	Nasa	N/A	1,500	113	R/Hole		
		Golole R/H	19	2,000	Kalibcha	5,600	60%	263	3,500	Kiurupil	N/A	2,000	150	Springs		
		Kesere	22	3,000	Godoma	11,000	60%	225	3,000	Karue	N/A	2,500	250	Springs/Well		
		Huis Huis Spring	27	3,500	Dabel	110,000	99%	30	400							
		Sonza	60	3,200	Sololo Rock Canch.	N/A	N/A	225	3,000							
		Bideseek	89	4,000	Gatlab Gravity/L.	N/A	100%	100	2,000							
		Kiurupil	11	2,500	Kambe Pan	N/A	100%	34	500							
		Jaldea	82	1,000	Nipant P/L Tank	N/A	100%	188	2,500							
		Gudax	55	500	Korr Hand Pumps	N/A	67%	188	2,500							
		Mank Wells	6	1,000	Korr Wind Mills	N/A	100%	225	3,000							
		Saborel	27	3,000	Illet Hand pumps	N/A	95%	150	2,000							
		Terret	55	4,000	Maryatta Jilo Dam	N/A	90%	111	1,500							
		Roof Catchment	0		Sakua Roof Catchment Tank	3,600	90%	57	765							
		Others	946		Rudasa P/L-Sub-Catchment Tr	5,500	95%	11	150							
					South Horr	N/A	99%	300	4,000							
					Dabel 1	N/A	99%	263	3,500							
					Aire Well (Protection)	14,175	100%									
						169,075		2,986	39,815			25,500	12,000	8631		
					Total	1,529	36,200									

Table - 5.3.3 (7/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing			Ongoing			Planned/Designed						
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Project Name	Estimated Cost (Kc)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply
4/0	Mera	Timau W/S	104	3,650	Sasau Ir. W/P	25,000	85%	Nil	Nil					
		Kanyakine W/S	203	3,000	Muguna Mlenjira	150,000	10%	113	1,500					
		Koot Carichmet	6		Muguna Kaitama	350,000	0%		N/E					
		Others	7,169		Ghanere	26,000	50%	93	1,315					
					Yorlethia	N/E	90%	317	4,229					
					Mwea	N/E	0%	240	3,200					
					Ndunghuru	N/E	80%	150	2,000					
					Dline	41,200	60%	113	1,500					
					Kiragakvi	N/E	85%	225	3,000					
					Muguna Thmau	80,000	90%	197	2,630					
					Kigaru	15,215	95%	164	2,190					
					Mharaga	N/A	70%	309	4,116					
					Kite N'kumad	N/E	70%	225	3,000					
					Kathina Kibowyu	25,400	95%	263	3,500					
					Kantanga Ph I	500,000	30%	123	1,643					
					Chhongo S/H	102,000	30%	500	4,000					
					Kathina Kaitthi	125,000	60%	329	4,343					
					Gkando	80,000	95%	113	1,500					
					Kimud S/H	250,000	30%	263	3,500					
					Ithambura S/H	250,000	30%		N/E					
					Gata Kaguma	122,000	90%	329	4,343					
					Kijiga	35,000	60%	134	1,845					
					Sarhangira	N/E	20%	124	1,650					
					Milimani *B*	34,100	40%	263	3,500					
					Barkchia	50,000	90%	180	2,000					
					Majjane	70,000	95%	197	2,630					
					Kirimara	175,000	60%	225	3,000					
					Karlene Baraga	N/E	85%	113	1,500					
					Mjuroe	20,000	15%	113	1,500					
					Muguna Jekid w/p	180,000	30%	225	3,000					
			Nyota W/P	100,000	50%	300	4,000							
			Karhababu	25,000	70%	75	1,000							
			Muguna Mbaljane	130,000	30%	197	2,630							
			Karjane	150,000	20%	277	3,693							
			Mweraga Women	150,000	65%	150	2,000							
			Mawaya Nihimithi	N/E	90%	150	2,000							
			Humasa	40,000	60%	150	2,000							
			Total	7,488	6,650	6,716	85,543							

Table - 5.3.3 (8/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing				Ongoing				Planned/Designed				
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (K.S)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (K.S)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply
470	Nyumbere	Aveshuni	450	2,500	Liburu Lawda	N/E	Ongoing	315	4,200					
		Ahiki	271	3,500	Kanjoje Tr.	N/E	Ongoing		N/E					
		Nyozane	260	3,000	Chumbi	N/E	Rehab.	90	1,200					
		Mukene	220	800	Celontutu	N/E	Ongoing							
		Muhurone	193	1,300	Gilisa Coman. Centre	N/E	Ongoing	263	3,500					
		Kanyana/Mpithere	49	1,000	Turu W/S	40,000,000	Ongoing							
		Kinyire	548	3,500	Nduhama Springs	136,000	Ongoing	188	2,500					
		Mafitose	247	3,000										
		Mukaina	247	1,000										
		Nzanda	100	600										
		Kanikele	173	3,000										
		Sani-Isa-Rui	34	1,500										
		Ambanwo	190	1,500										
		Gilisa 4K Club	112	2,000										
		Ankumila		N/A										
		Kalibiere	152	1,200										
		Nutha	113	900										
		Mwonyene	172	1,000										
		Muchore	500	2,000										
		Kohina M'libi	186	1,000										
		Bwani	373	1,500										
		Ahucochio	150	2,000										
		Tambiro	233	1,000										
		Lanyiro	260	0										
		Irumi	400	2,000										
		Charuru		N/A										
		Girumbi	80	1,500										
Gaitite	1,231	2,000												
Kayimbi	150	2,000												
Gilisa Centre	400	2,000												
Roof Catchment	36													
Others	0													
Total		7,529	48,820		40,136,000		853	11,400		0	0	0		
480	Thanda Nthi	Muhinda W/E	25	1,500	Nyamani-Mukungungu Tr.	50,000	5%	41	540	Nthambo W/P	N/E	N/E	N/E: River	
		Kithiru W/P	307	1,500	Inasa Magalini	500,000								
		Inamukishi	15	200	Rwanchage Kyeni	R/A	80%							
		Kanunwala	75	1,000	Mbarot Water Ass.	R/A	35%							
		Roof Catchment	3		Mukari W/P	R/A	50%							
		Others	0		Kanwa	R/A	10%							
		Total	424	3,900		550,000		41	540		0	0	0	
		Kyuso	13	4,100	Nzauzi	27,500	40%	350	4,653	Ndifu	120,000	4,986	125	River
		Njani		N/A	Kauzuru	160,000	60%	150	2,000	Ndandini/M'nyera	115,000	2,000	48	Spring
		Irithi		N/E	Ndandini/Winge	120,000	25%	150	2,000	Uthaga	46,000	2,500	35	Dam
Niu W/S	55	3,000	Kyuso R/Hole	150,000	80%	308	4,100	Kanzuru	25,000	2,000	60	Spring		
Others	1,452		Treluru	120,000	10%	375	4,996	Kyuso	150,000	4,100	48	R/H		
Total	1,526	7,100		577,500		1,332	17,761		480,000	14,596	316			

Table - 5.3.3 (9/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Ibadan/District			Oyo/Region					Plateau/Design							
		Project Name	Design Capacity (m³/day)	Population Served (Nos)	Project Name	Original Cost (K.D)	Physical Status (%)	Design Capacity (m³/day)	Design Population (No.)	Project Name	Estimated Cost (K.D)	Design Population (Nos)	Design Capacity (m³/day)	Source of Supply			
440 (Mikuru)		Killa	6	300	Thanga	330,000	65%	300	4,400	Mukasa	N/E	N/E	N/E Tank				
		Aburoni	24	3,800	Kina/Kingwa	45,800	70%	263	3,500	Nilevo	500,000	N/E	N/E	N/E B/H			
		Keef Catchment	6		Mukla	100,000	90%	300	4,000	Kali	500,000	N/E	N/E	N/E River			
		Others	9,313		Kawuku Sand Dam	350,000	60%	173	2,307	Kohamboni	500,000	N/E	N/E	N/E Dam			
					Munbani	30,000	30%	285	3,100	Kubo	N/E	N/E	N/E	N/E River			
										Kwafidi	200,000	2,366	48	48	Spring		
										Ka	1,500,000	4,821	173	173	Spring		
											3,200,000	21,877	221				
											7,927,811	59,345	3,748				
		Total			9,349	4,100	875,800		1,551	18,007		3,200,000	21,877	221			
					38,132	142,494	46,463,350		14,813	197,508		7,927,811	59,345	3,748			
		510 (Guma)		Sunkur	44	3,600	Jam-Jara	20,000	30%	300	4,000	Madagabe	N/E	1,500	113	Nbs. Dam	
				Bonane	49	3,150	NEP. TANK	20,000	98%	30	400						
				Ntanphi	47	3,090											
				Saka	36	2,575											
				Ifo	47	2,060											
Komshimbo	76			2,266													
Woliner	4			2,884													
Higiler	123			2,246													
Kulap	110			3,296													
Gando	21			3,143													
Masibabu	18			1,854													
Kyawa	15			3,600													
Damajare	12			3,099													
Sarakora	18			1,854													
Keef Catchment	0																
Others	1,749																
					2,434	42,324	40,000		330	4,400			0	1,500	113		
Total					21	2,500	200,000	1%	150	2,000							
520 (Mawun)				Rumu-Dimu	60	3,000	Kalayo	50,000	40%	150	2,000						
				Keef Catchment	0		N/E	N/E		62%							
				Others	826		L.W.P.	100,000	80%	150	2,000						
						Rehab W/P	100,000	40%	150	2,000							
					927	5,900	450,000		600	8,000			0				
					181	1,000											
		Total			551	2,000											
530 (Wajir)		Huhliwai	27	1,000													
		Diff	27	1,000													
		Guru	96	2,000													
		Ademaphia	100	2,000													
		Di-Mayale	113	6,000													
		Others	410	6,000													
		Total			3,770	58,824	492,000		930	12,400			0				
Total			3,770	58,824	492,000		930	12,400			0						
Total			3,770	58,824	492,000		930	12,400			0						

Table - 5.3.3 (10/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing				Ongoing				Planned/Designed						
		Project Name	Design Capacity (00's/day)	Population Served (Nos)	Project Name	Original Cost (KSh)	Physical Status (%)	Design Capacity (00's/day)	Design Population (Nos)	Project Name	Estimated Cost (KSh)	Design Population (Nos)	Design Capacity (00's/day)	Source of Supply		
610	Gusii	Nyamache	247	2,680	Sinera	60,000	50%	325	4,334	Moliantu	600,000	3,500	175	Spring		
		Nyamantombe	187	2,000	Nanyo	25,000	60%	60	800							
		Chiter	50	500	Nyagim/Itambe	115,000	65%	195	2,600							
		Rujindo	50	1,000	Nyaburto	92,500	90%	199	2,444							
		Engap	60	1,200	Maitid	18,786	90%	90	1,200							
		Roof Catchment	74		Nyanderema/Mwacho ACA	57,500	90%	90	1,200							
		Others	16,347													
		Total	17,013	6,580		366,786		959	12,786		600,000	3,500	175			
		620	Kiambu	Kanyawar	235	2,000	Makanya	50,500	70%	150	2,000	Open Dip w/p	75,992	500	26	Spring
				Awara W/S			Nyarako Mivani B/h	30,000	45%	34	500	Kijalu Crev. (R/W)	N/A	N/E	N/E	River
Tamu W/S					Nyando Flood Control	1,730,075										
New Pheon w/s																
Total	1,813			2,000		1,810,575		184	2,500		75,992	200	26			
630	Siaya			Aluar	41	3,000	Kamap Karamach Station	17,000	95%	150	2,000	Bundo Township	N/E	N/E	3,000	River Yala
				Sira Nyawita	137	1,500	FOCCSP	N/E	On-going			N/A	N/E	N/E	1,000	L. Victoria
				Asambo Bay	55	2,000						Salwa Phase 1	N/E	N/E	N/E	River Yala
				Roof Catchment	134							Jera	N/E	N/E	N/E	B/Hole
				Others	0							NFMWSD Shallow Wells Prog	1,949	N/E	N/E	Ground/Spring
		Total	367	6,500		17,000		150	2,000	Bundo TTC	4,000	3,400	3,200	500	Yala River	
		640	Homa Bay	Ndihwa/Kapedhi	8	100	Gar Kulewi	90,000	30%				200,000	1,949	750	River
				Roof catchment	353											
				Others	1,266			90,000		0			200,000	1,949	750	
				Total	1,627	100		N/A		0			100,000	300	5	RH
Roof Catchment	78				FOCCSP					Ogbo Health Centre	N/E	N/E	N/E	Surfaces, G/water		
Others	3,721				Kenya/Netherlands RDWSSP					KSSC-RWP	N/E	N/E	N/E	L. Victoria		
Total	4,826				AHF/RWS					Nyereba W/P	20,000	500	25	Spring		
640	Nyandarua			Menyaya	3,799	600	Ekenyo	60,000	75%	225	3,000	Mwindi	75,000	2,000	170	Spring
				Nyakome	43	2,000										
				Roof Catchment	15											
		Others	4,226													
		Total	8,110	3,000		1,715,000		225	3,000		75,000	2,000	170			
		710	Nyuja	Nyauza Province Total	59,046	19,740		2,345,361		1,521	20,286		1,106,981	12,519	4,406	
				Loodharak	200	1,000	Eleset/Mipumaha	750,000	70%	23	300	Olichero	50,000	N/E	N/E	Spring
				Ewaso Mwingi	585	2,000	Kasju	90,000	65%	60	600	Espalor/Ransana	N/E	N/E	B/H & Spring	
				Roof Catchment	8		Nyong(Ollet)	600,000	95%	225	3,000	Oidanyo Other	N/E	N/E	River	
				Others	7,317		Modro	200,000	50%	75	1,000	Eruet	100,000	4,000	300	RH
Total	6,110			3,000		1,715,000		135	1,800		150,000	4,000	300			

Table - 5.3.3 (11/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing				Ongoing				Planned/Designed				
		Project Name	Design Capacity (m ³ /day)	Population Served (No.)	Project Name	Original Cost (K\$)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (K\$)	Design Population (No.)	Design Capacity (m ³ /day)	Source of Supply
720	Kisumu	Chapakem	23	2,000	Fort Terman	100,000	92%	279	3,725	Khlanga	175,500	4,950	480	River
		Chepar	10	5,000	Chemurath	30,000	80%	113	1,500	Tugenon	N/A	3,800	285	Spring/Dean
		Sigwa	4	600						Telbet	N/A	2,500	188	River
		Tropent/Vaidhyia	7	1,500										
		Njiera			R/N/A									
		Ngererok			R/N/A									
		Maso			R/N/A									
		Kiperegi			R/N/A									
		Kenegot	10	3,000										
		Bucabwet	23	3,050										
		Korri	5	300										
		Roof Catchment	106											
		Others	8,628				130,000		392	5,225		175,500	11,250	953
730	Lalipia	Roof Catchment	26		Kwatha W/P	60,000	40%	226	3,011	Mwerinta SH wip	N/E	N/E	N/E	River
		Others	1,839		Sifira W/P	975,000	12%			Rumurai Rural	250,000	1,356	78	River/Dean/Bsh
					East Lalipia wip	5,500	20%	225	3,000	Kupa Na Gwika wip	N/E	N/E	N/E	River
					Mbarundi W/P	25,000	40%							
					Agaru of Dekol wip	100,000	30%							
					Kalja Dean W/P	80,000	95%							
					Namiboto Dam	80,000	95%							
						725,500		451	6,011		250,000	1,356	78	
						1,863	0							

Table - 5.3.3 (12/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing				Ongoing				Planned/Designing					
		Project Name	Design Capacity (m ³ /day)	Population Served (No.)	Project Name	Original Cost (KSh)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (KSh)	Design Population (No.)	Design Capacity (m ³ /day)	Source of Supply	
740	Nakuru	Rubati/Chimuk	778	1,920	Kisumu W/P	N/E	75%	N/E	N/E	Mabina W/P	700,000	N/E	500	500 Spring	
		Piave Keria	77	200	Kisumu W/P	140,000	65%	N/E	N/E	Barbar	254,000	N/E	172	B/H Stream	
		Kijabe	361	3,000	Mwangi/Barua	600,000	64%	N/E	N/E	Sabula Oglepet Farm	3,230,000	2,300	250	Dam	
		Nyahuria K.R.M		N/A	Rinda/Rudale	640,000	70%	N/E	N/E	Nyahuria Nyakinyua Mwendu	556,131	3,900	400	River	
		Kijito/Longonet	898	720	Wayonoro W/P	1,500,000	65%	N/E	N/E	Kapoleton W/P	519,500	2,300	114	Stream	
		Suswa	225	2,500						Thirika Farm W/P	134,360	500	36	Stream	
		Karali/Nyondia	45	600						Gorbich W/P	158,000	500	15	Or Nakuru pl	
		Kahuro	60	800						Nolo South W/P	N/E	N/E	N/E	Surface	
		Mpera Suswa	132	1,760						Sichaha W/P	48,000	1,200	45	Pipe Ext.	
		Maral-Chicho	180	2,400						Mou Namah W/P	N/E	N/E	N/E	Surface Water	
		Nduruji	90	1,200											
		Kisumu	45	600											
		Nyarus Tea Zone	12	160											
		Greater Nakuru West	315	360											
		Mumoni	48	640											
		Sunera	124	600											
		Glory Land	75	1,000											
		Wayonoro	311	800											
		Kerebwa	540	600											
		Nakumbaya	150	1,200											
		Pogashum	2,236	2,400											
		Subukia Valley	225	360											
		Rejail Vizi	475	2,400											
		Nanyoro	100	960											
Kiamnyeki	6	1,600													
Othman	6	800													
Mbogofini	6	800													
Macha	104	800													
Lomcomot	259	1,600													
Kerfai	38	500													
Piave	118	N/A													
Oligi KP&T		N/E													
Mudro		N/A													
Ngondu		N/A													
Root Catchment	1,217														
Others	9,078														
Total		18,027	33,650		3,080,000	76%	0	0		5,620,000	10,490	1,559			
750	Nurok	Mochi Lotia	121	1,616	Oldanyel	200,000	76%	166	2,214	Mochi Pans	140,000	4,500	320	B/H	
		Oldanyel W/S	1	2,550						M/Mochi Pan	S/H	N/E	N/E	Spring	
		Root Catchment	72							Lebua W/P	12,500	1,000	95	Spring	
		Others	1,992							Nkuyent W/P	27,900	1,500	113	Spring	
										Ilimumum Pan	21,786	1,800	5,000	Pan	
										Kijufir	18,000	1,000	96	Surface	
										Shabal-Itangwa	15,250	N/E	-	Spring	
										Nakura W/S	120,000	2,500	330	Spring	
		Total		2,186	4,166		200,000		166	2,214		355,456	12,300	5,954	

Table - 5.3.3 (13/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing				Ongoing				Planned/Designed						
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Project Name	Estimated Cost (Kc)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply		
760	Tana Nziwa	Shoeli	34	696	Staanuka	470,000	45%	247	3,242	Embelesh	6,000	R/N/A	R/N/A	River		
		Cikwaza Kolongolo	46	400	Kaungat	65,000	15%	211	2,404							
		Nsof Catchment														
		Others	7,332													
		Total	7,440	1,104		535,000		457	6,096		6,000	0	0			
		770	Uasin Gishu	Kipkabei	112	1,972	Kipkabei	650,000	58%	80	1,072	Md G. H. School	92,000	1,300	12	Roof Catch
				Enyoni	96	2,000	Turakwa	172,700	42%	149	1,990	Katonor Health Centre	12,500	860	86	Dam
				Mabobo	81	982	Timboroa Mabar	300,000	10%	187	2,442	Kalibiyot	200,000	1,250	12	Dam
				Kapunguny	1,425	2,040	Kipkaren Dam	3,000,000	20%	153	2,040	Kipkarene Farm	11,000	120	14	R/Roof
				Bajayo Border	30	1,500	Loasato Kapunguny	87,850	58%	173	2,300	Chigalya	181,000	4,112	276	Dam
Osoorogal					Nil	100,000	68%	173	2,100	Ives K.C.C.	100,000	2,100	30	Dam		
Lemau-Ngany					Okarowal	75,000	65%	154	2,100	Ives K.C.C.	100,000	2,100	30	Dam		
Makong					Dito: Kemeliet	140,000	40%			Nil	201,600	2,600	322	Dam		
Kemeliet					Lemou		28%			Nil	15,250	450	85	R/H, Spring		
Kipkonge					Dito: Kemeliet		80%			Nil	212	3,427	395	River		
780	Homet	Kolonor	164	2,180	Dherier Hoop, Eldoret	140,000	100%			Nil	750,000	265	265	River		
		Roof Catchment	6		Sigot	500,000	30%	300	4,000	Saito W/P	70,000	1,993	200	River		
		Others	5,340								47,000		260	R/H		
											60,000		292	Dam		
													545	Dam		
											130,000	1,500	470	Spring		
											105,000		179	Spring		
											120,000					
											2,760,194	16,522	3,768			
		Total		7,294	9,774		5,207,550		1,139	15,990		750,000	2,555	220	River/Dam	
790	Transmara	Chungungu	40	5,000	Longia Hospital	600,000	40%	192	2,555	Longia Dam	225,000	1,499	99	River		
		Kony'olit Sec. Sch.	46	607	Mungu Sec. Sch.	105,000	0%	106	1,406	Kalwa/Hospital	225,000	1,405	42	River		
		Malat Sec. Sch.	79	1,050	Lehalich Dam	35,000	20%			Chesoon	200,000	2,557	70	River		
		Longias Sec. Sch.	48	635							125,000	4,883	170	River		
		Solk			N/E						262,250		128	River		
		Ndiana			N/E						126,959	2,556				
		Roof Catchment	349													
		Others	7,794			740,000		297	3,493		1,689,209	15,435	729			
		Total		8,355	7,292							100,000	1,000	500	Spring	
		790	Transmara	Ndiana W/S	27	1,200	Nabuywa W/P	10,000	30%	215	3,000	Nabuywa W/P	40,000	2,500	400	Spring
Enyoni W/S	30			1,500	Enyoni W/P	50,000	90%	150	2,000	Paraka W/P	750,000	1,500	300	Stream		
Roof Catchment	39				Nipalsho W/P	150,000	10%	225	3,000	Iloilsho W/P	70,000	1,500	400	Spring		
Others	529										100,000	1,750	500	Dam		
											65,000	1,500	300	Spring		
											7,500	2,000	450	Dam		
											7,000	2,000	500	Dam		
											70,000	1,500	400	Dam		
											100,000	1,500	450	Spring		
Total				625	2,700		210,000		600	8,000		1,625,000	24,450	4,500		

Table - 5.3.3 (14/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing			Unplanned			Planned/Desired				
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Estimated Cost (Kc)	Design Capacity (m ³ /day)	Source of Supply
810	Ikwimae	Kabartongo	300	4,350	175,000	70%	338	4,500	Emo	395,000	800	60 Gravity
		Sapelefor	95	1,108	54,000	80%			Perkera Multi-Purpose Dam	90,000,000	N/E	N/E Dam
		Berquino	110	794	292,477	93%	218	2,900	Kiligan	232,000	1,250	94 Gravity
		Timolin	116	295	N/E	40%			Koyamin	550,000	2,238	401 Gravity
		Talal	96	524					Nechongpi	6,000	600	45 SP
		Svestuin	160	214					Nayoro	175,000	1,681	4,393 Gravity
		Perawal	50	1,394					Belumei	700,000		Gravity
		Negmat	16	505								
		Kiplaech	80	537								
		Sucho Reno	250	650								
		Napkoze	300	1,979								
		Tenga	170	1,460								
		Cheberen	120	802								
		Paikawania	145	1,500								
		Sampi Samaki	73	1,800								
		Chemolinpot	96	1,600								
		Ndiyoyuc	55	900								
		Tangitibe	42	1,700								
		Maji Moro	47	400								
		Kudat	70	400								
		Kulku	49	300								
		Kapluk	120	1,200								
		Kisumaa	44	1,600								
		Nzendatel	43	900								
		Ninabi	32	600								
		Olered	39	600								
		Poror	60	1,600								
		Kamkelewa	30	N/E								
		Kisok	40	400								
		Napiere	120	1,613								
		Nguaura	80	2,016								
		Saos	160	2,000								
		Kualeri	35	840								
		Chwalimben	35	800								
		Aupao	25	900								
		Roof Catchment	172									
		Others	0									
	Total		3,573	39,265	521,477		555	7,400		92,053,000	6,567	4,963

Table - 5.3.3 (15/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing				Ongoing				Planned/Leased					
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos.)	Project Name	Original Cost (K.D.)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (K.D.)	Design Population (Nos.)	Design Capacity (m ³ /day)	Source of Supply	
420	Ejeyro Mainkwet	Tumbach	60	600	Letwas	175,000	97%	263	3,500	Kapowar Extension	2,800	1,200	60	Stream	
		Chebbilal	6	500	Epeke-Emb	51,750	76%	284	1,780	Kapowar Extension	2,680	N/E	N/E	B/H	
		Kapkol	20	1,200	Nyalli/Motany	115,000	87%	195	2,600	Kapowar Extension	3,200	N/E	N/E	-	
		Chebbiamt	7	300	Chepkel-kei	30,350	59%	338	4,500	Kapowar Extension	200,000	N/E	130	Over/Sinking	
		Tor	18	400	Kapkiatony	60,000	6%	305	4,073						
		Chebsan	158	1,000		4,000	30%	8	100						
		Chepkel	137	900	Epeke-Emb	51,750	40%	384	4,500						
		Chepkol/Chebebo	829	1,000	Kapkiatony	60,000	20%	305	4,073						
		Emsen	19	600	Nyalli-Motany	115,000	95%								
		Kipsoen	20	400	Emsen	197,000	30%	218	2,906						
		Pak	20	900	Kjalkaren	N/E	10%	134	1,790						
		Kinnal	148	200	Blaon	N/E	10%	285	3,802						
		Kjusat	20	100	Markhwo	293,000	10%								
		Tumbach	35	400	Mekel	803,750	85%								
		Kapkol	20	1,300											
		Chepkol/Chepkel	629	2,000											
		Chepkel	137	800											
		Emsen	19	600											
		Kipsoen	20	400											
		Pak	20	900											
Roof Catchment	0														
Others	136														
Total		2,675	14,900		2,158,600		2,672	25,624		208,800	1,200	210			
430	Nandi	Chepkel	21	600	Mosonbar	50,000	90%	300	4,000	Killworal	465,600	2,000	100	Stream	
		Chepkil	36	1,000	Lesos Centre	100,000	95%	130	2,000	Kapowar	18,000	1,000	100	Stream	
		Kaprimo	46	1,000	Kohagat B/H	50,000	70%			N/E Malot	13,000	500	30	Stream	
		Mosonbar	16	1,050	Kapigak Sec. Sch.	84,025	20%	45	600	Motogit	15,750	600	50	Stream	
		Lesos	138	1,000	Lesos Techn/ Poly	70,000	90%	38	500						
		Roof Catchment	34												
		Others	10,109												
		Total		10,396	6,950		354,025		583	7,100		508,750	4,100	290	

Table - 5.3.3 (16/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing				Undergoing				Planned/Designed						
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (K\$)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (K\$)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply		
R40	Sumburu	Mandi	96	3,000	Kilima	350,000	90%	113	1,500	Lentikan	39,600	800	100	R/H		
		Lentia	104	1,500	Suputa	60,000	75%	225	3,000	Lonak	39,600	2,300	103	R/H		
		Poro	167	3,000	Boro	30,000	60%	105	1,400	Againa Manyude	100,000	1,000	75	R/H		
		Basawa	198	1,500	Lentikan	18,900	30%	130	2,000	Poro	80,000	3,000	207	Dam		
		Kojok	75	1,000	Mandi	20,000	90%	168	2,500	Burinom	100,000	1,000	75	R/H		
		Sonop	137	2,000	Opiro	21,000	50%	38	500	Lakaweny	100,000	1,000	75	R/H		
		Smita	192	3,500	Burajo	40,000	20%	23	500	W/Oite	100,000	1,000	75	R/H		
		Lentikan	132	2,000	South Horr	150,000	60%	23	1,500	Mogur	100,000	1,500	113	R/H		
		Thum	107	1,000	Loloka	50,000	20%	150	1,600	Donyowash	170,000	1,000	75	R/H		
		Roof Catchment	6		Losak	5,000	20%	150	2,000	Opiro	25,000	2,500	69	R/H		
		Others	0		Burajo 2 Tank	8,550	90%	45	600							
					Pieragoi P.H.Sch	10,000	100%	45	600							
					Xetop	50,000	100%	36	500							
					Maketa	N/A	N/A	90	1,200							
					Bursalinga	71,250	Stalled	75	1,000							
					Lolok	N/A	Stalled	75	1,000							
						864,940		1,665	22,200			654,200	15,100	9671		
R50	Turkana	Kambini	1,233	18,200		80,000	90%	150	2,000	Kupedo	150,000	1,500	40	Shallow well		
		Namadak	47	1,200	Lonagan	100,000	45%	225	3,000	Lonolon	200,000	3,500	40	Shallow well		
		Kalobeye	150	2,000	Kupedo	25,000	95%	113	1,500	Lolagan	250,000	4,000	40	R/H		
		Roof Catchment	0		Namadak	100,000	70%	150	2,000							
		Others	1,342		Rock Catchment (Lolitauna)	100,000	60%	263	3,500							
					Lenolon	55,000	80%	225	3,000							
					Kalung	140,000	60%	150	2,000							
					Kalkor	200,000	60%	150	2,000							
					Schuro	2,500	50%	150	2,000							
					Kibish	87,500	90%	300	4,000			600,000	9,000	120		
						690,000		1,636	24,500			200	1,000	75	Stream	
					Kama W/S	493	3,000	Chirogum W/P	42,784	95%	315	4,200	Papoch	200	50	Stream
					Kabiblich	548	3,000	Tatar Dam (Rehab)	24,000	20%		Coifer Part. Konyawet W/P	N/E	1,000	50	Stream
					Kalboe W/S	140	R/N/A	Kochella Shallow wells	N/E	40%	N/E	Syoi W/P	1,000	2,000	2,000	River
					Kanyuo W/S	67	315	Lomat	13,956	95%	N/E	Kapalla	3,125	700	35	River
					Naprapuk W/S	190	R/N/A	Tatar School w/p	50,000	95%	135	1,800	Khamun W/P	600	35	River
					Sina	624	Pajirio W/P	15,000	60%		R/N/A	Thak	25,000	300	15	River
			Thum	77	1,000	Sarmach Shallow wells	N/E	40%	N/E	Kapanyuk W/P	N/E	N/E	N/E	Spring		
			Kapnach	730	2,000	Karifong W/P	34,750	50%	N/E	Kupilech/Kator w/p	N/E	1,200	80	River		
			Liyai	232	3,000				N/E	Moi Masol W/P	14,150	1,000	1,000	River		
			Cherapar	144						Syoi W/P	32,500	3,100	154	Spring		
			Roof Catchment	0												
			Others	2,629	13,699	180,492		450	6,000		76,575	9,900	3,444			
			Total	84,853	170,370	17,532,524		11,792	157,223		106,955,709	141,690	27,673			

Table - 5.3.3 (17/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	Existing					On-going					Planned/Designed				
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (KSh)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (Nos)	Estimated Cost (KSh)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply			
910	Hingoma	Kipababiti	71	2,000	Kenya Pwani WWSIP	1,000,000	10%		N/E	N/E	N/E	N/E	N/E			
		Kibuk Girls High Sch.	53	700	Kabonaha	10,500	60%	308	4,100	N/E	N/E	N/E	N/E			
		Kabonani	48	300	Naha	47,500	100%	211	2,814							
		Amagoro	2	570												
		Webyeye Railway	3	N/E												
		Nalinda Dairy Factory	18	N/E												
		Kibabi High Sch.	79	2,000												
		Nunwala Sch.	49	1,000												
		Bunula Health Centre	20	N/E												
		Kibulu Sec Sch.	23	600												
		Khwoko	42	2,000												
		Chezonaki High Sch.	55	1,400												
		Punoma Railway		N/E												
		Sinda Health Centre	150	2,000												
		Mubibi Border Post	12	600												
		Nabikoro Women Group.	138	N/E												
		Muchimila Khabomuli Pt I		N/E												
		Ihangoma Hospital	189	N/E												
		Others	2,741													
		Total		3,714	14,270		1,058,000		519	6,914		0	0	0		
920	Husab	Bunula	19	2,500	Kocholia Keok Catchment	42,500	65%	113	1,500	155,500	4,200	100	Spring			
		Mumana	3	2,700	Nzola floods	250,000	6%			N/A	N/A	2,600	70 Spring			
		Aswagoro	12	N/E	Kadete Val	120,000	2%	98	1,300	Bujumba	N/A	3,000	130 Spring			
		Amakura	30	4,000	Amakura Hills	41,250	80%	113	1,500	Mumoni W/P	100,000	1,500	100 Borehole			
		Kocholia Sec. Sch.		N/A	Magonbo Dredging Pt.	50,000	46%				350,000	N/E	N/E			
		Amurapi Dam		N/A	Buratalag High Sch. w/p	25,000	70%	60	800	Chetaka/Chemaiti w/p	250,000	N/E	N/E			
		Roof Catchment	5		Nzola Floor Control Dyer	250,000	6%				100,000	N/E	N/E			
		Others	10,438		Busia Show Ground	90,300	10%	235	3,000	Aupe W/P	150,000	N/E	N/E			
					Kocholia Keok Catchment	42,500	65%	113	1,500					N/E		
		Total		10,510	10,200		911,550		720	9,600	1,205,500	11,100	400			
				279		Siloli	350,000	N/E			575,000	N/E	N/E	N/E		
		930	Kakamwaga	Others	26,080							N/A	N/A	N/E	N/E	
										200,000	1,500	113	N/E			
										400,000	3,000	360	N/E			
										155,000	N/E	N/E	N/E			
										N/E	N/E	N/E	N/E			
Total																
									1,360,000	4,500	473					
Total		26,359	0		350,000		0	0	1,360,000	4,500	473					

Table - 5.3.3 (18/18) Water Supply Project in Small Scale Rural Water Supply (SSRWS)

Code	District	EXISTING				CHALLENGE				PLANNED/DESIGNED				
		Project Name	Design Capacity (m ³ /day)	Population Served (Nos)	Project Name	Original Cost (Kc)	Physical Status (%)	Design Capacity (m ³ /day)	Design Population (No.)	Project Name	Estimated Cost (Kc)	Design Population (Nos)	Design Capacity (m ³ /day)	Source of Supply
WCO Village														
		Hantisi	141	2,100	Gaibet	386,400	50%	601	809					
		Ebunangwe	50	2,300	Kujoma	N/E	95%	140	2,400					
		Chawano Mabatjan	49	3,340	Madim Gita w/s	N/E								
		Keveye	49	730	Madzau Gita w/s	N/E			N/E					
		Jebak			Ni Chawakali RPH	N/E								
		Root Catchment	350		Trinity	N/E			N/E					
		Others	9,501		Mumboha	N/E			N/E					
		Total	10,084	8,510		586,400		240	3,200					
		Western Province Total	50,615	32,980		2,965,950		1,479	19,714					
		TOTAL	386,920	518,993		97,491,476		37,024	496,457					

Source: JICA: Field Survey by the Study Team
 MWR: Project Rehabilitation Survey by the Ministry of Water Resources
 Status 96: Project Status Report 96. Ministry of Water Resources, Dec. 1997
 NW/CPC: Brief on National Water Conservation and Pipeline Corporation's Activities and Present Status, National Water Conservation & Pipeline Corporation, Sep. 1997
 NWMP: The Study on the National Water Master Plan. Water Resources Assessment & Planning
 MOLA: Ministry of Local Authority

