

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

THE MINISTRY OF NATURAL RESOURCES

THE GOVERNMENT OF THE REPUBLIC OF UGANDA

THE STUDY
ON
RURAL WATER SUPPLY
IN
MPIGI, MUBENDE AND KIBOGA DISTRICTS
IN
THE REPUBLIC OF UGANDA

FINAL REPORT

VOLUME THREE:

APPENDICES

SEPTEMBER, 1996

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SANYU CONSULTANTS INC., JAPAN

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APPENDICES

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APPENDIX B : Social Environment, Users' Participation and Hygienic Education

APPENDIX C : Water Supply and O&M

APPENDIX D : Socioeconomy, Finance and Project Evaluation

APPENDIX E : Village Inventory Questionnaires

APPENDIX F : Minutes of Meeting (M/M)

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APPENDIX B : Social Environment, Users' Participation and Hygienic Education

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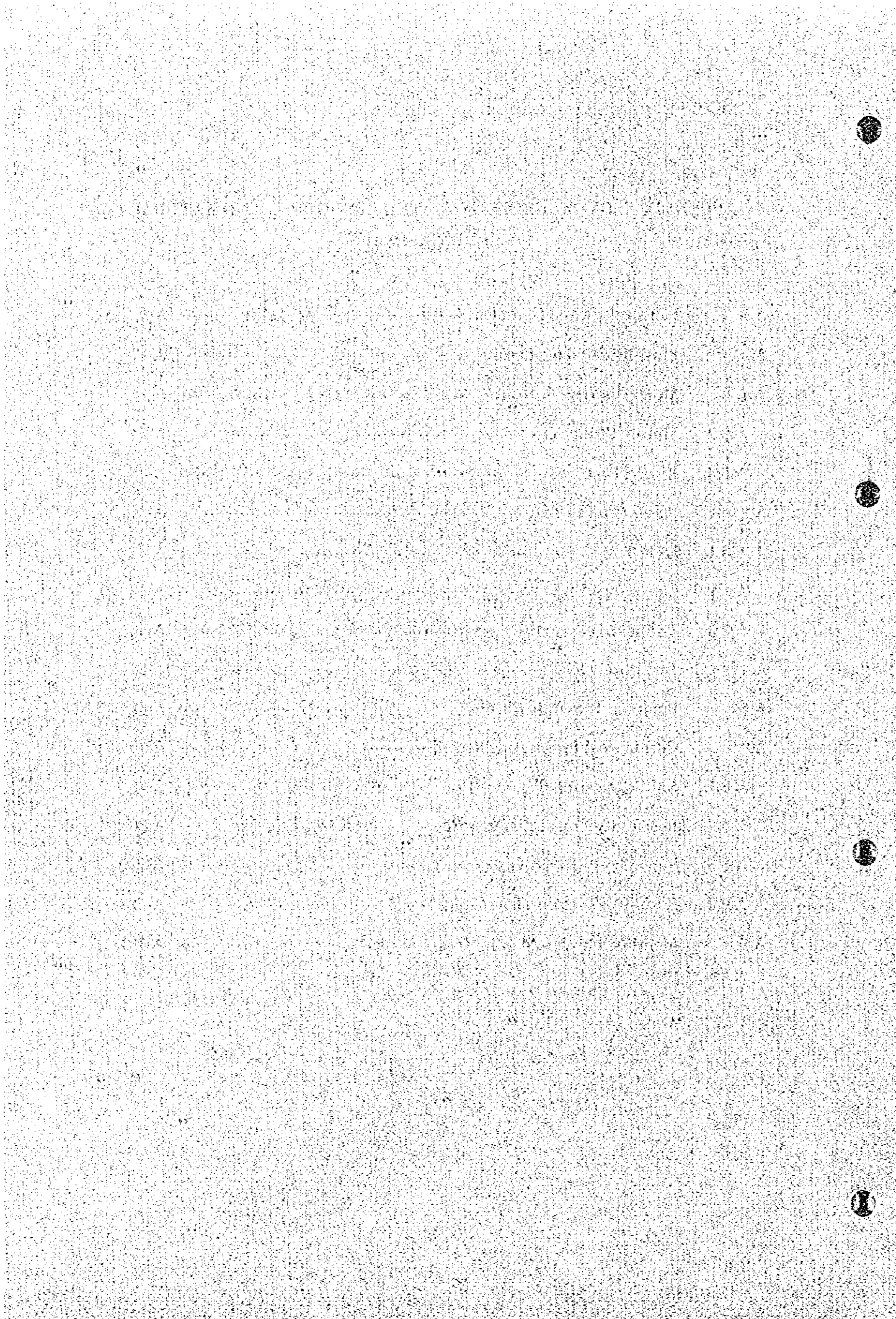
APPENDIX E : Village Inventory Questionnaires

APPENDIX F : Minutes of Meeting (M/M)



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A.1 Meteorology and Hydrology

A.1.1 Summary of Meteorology

Table A.1.1 Summary of Monthly Rainfall Record at Entebbe (mm)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Yearly
1976													
1977													
1978													
1979													
1980													
1981													
1982													
1983													
1984													
1985	118.7	62.8	136.4	189.3	234.4	79.0	99.5	36.1	79.4	78.9	183.6	123.2	1421.3
1986	7.7	44.3	167.7	138.4	281.3	97.1	15.8	32.9	67.1	64.5	156.7	175.1	1248.6
1987	116.7	27.5	163.2	292.4	363.4	125.0	90.3	75.7	145.4	88.1	147.7	51.3	1686.7
1988	107.4	83.6	132.6	344.6	234.9	60.0	32.0	210.5	126.0	87.7	173.4	192.9	1785.6
1989	42.2	32.7	390.6	261.8	233.8	68.6	45.8	132.4	59.3	43.7	130.5	99.0	1540.4
1990	97.1	35.3	313.8	176.9	267.9	23.9	42.6	132.1	49.0	63.2	134.2	98.4	1434.4
1991	105.1	84.3	263.8	469.0	314.5	111.9	113.2	94.4	42.3	196.4	126.8	78.7	2000.4
1992	125.8	27.4	89.7	79.6	363.6	102.6	108.0	14.7	31.5	118.9	89.3	141.3	1292.4
1993	50.3	112.3	148.9	220.5	94.3	182.8	78.2	21.1	114.5	123.4	214.9	146.7	1507.9
1994	39.5	45.0	150.9	284.4	328.6	51.6	87.0	97.1	70.2	195.5	209.3	84.1	1643.2
1995	65.0	47.4	277.1	294.8	465.8	80.6							
Sum	875.5	602.6	2234.7	2751.7	3182.5	983.1	712.4	847.0	784.7	1060.3	1566.4	1190.7	13560.9
Average	79.6	54.8	203.2	250.2	289.3	89.4	71.2	84.7	78.5	106.0	156.6	119.1	1556.1
n	11	11	11	11	11	11	10	10	10	10	10	10	

Table A.1.2 Summary of Monthly Rainfall Record at Kiboga (mm)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Yearly
1958	28.2	35.3	56.9	217.4	210.3	75.2	112.8	27.7	39.9	95.0	39.1	54.1	991.9
1959	5.8	82.3	98.8	116.8	276.4	19.3	82.3	117.3	74.7	109.7	226.8	5.3	1215.5
1960	18.0	17.0	144.8	86.9	117.9	11.4	50.0	149.1	159.5	153.9	65.8	8.9	983.2
1961	12.4	60.7	115.6	189.2	101.9	65.5	51.8	149.6	177.0	305.3	293.4	82.6	1605.0
1962	49.8	4.3	119.9	142.7	161.0	79.8	22.6	78.0	44.5	204.0	88.4	79.0	1074.0
1963	133.9	106.7	127.8	116.0	211.1	31.0	27.2	104.5	102.4	73.1	201.2	93.3	1328.2
1964	6.3	98.3	43.5	238.7	124.2	46.7	23.9	90.2	252.0	215.4	44.9	129.3	1313.4
1965	5.1	6.6	155.8	130.0	65.4	25.4	30.0	127.2	115.0	184.6	155.5	31.7	1032.3
1966	54.0	141.8	102.5	226.8	81.0	60.9	13.2	82.8	117.3	191.5	160.5	23.9	1256.2
1967	29.2	6.3	115.0	175.8	238.5	42.9	134.8	88.3	133.3	228.1	188.1	8.1	1388.4
1968	0.0	32.1	131.1	119.2	114.5	100.9	125.0	46.1	41.1	192.0	101.0	90.2	1093.2
1969	69.7	106.7	137.4	107.1	233.5	6.4	31.2	88.7	52.8	140.7	109.5	41.1	1124.8
1970	14.6	28.3	96.9	119.7	66.1	45.1	61.7	111.8	141.4	78.4	60.9	8.4	833.3
1971	3.5	62.5	27.4	175.5	199.9	84.7	207.0	65.3	165.5	121.0	119.3	0.0	1231.6
1972	84.1	65.9	166.1	211.3	148.2	221.1	62.8	96.1	117.5	253.7	386.0	95.2	1908.0
1973	14.2	110.0	69.1	212.1	153.8	167.6	29.9	39.6	143.8	132.9	223.1	30.7	1326.8
1974	0.0	5.0	111.4	197.0	175.9	105.0	174.0	146.0	128.1				1042.4
1975	31.0	5.0	110.9	172.2	149.5	25.4	115.2	220.3	143.2	94.3	30.1	12.0	1109.1
1976	2.5	96.3	72.3	99.6	158.1	15.9	86.7	102.7	182.9	81.4	41.1	14.5	954.0
1977	83.3	45.0	141.7	99.5		49.2	146.7	135.9	9.0	168.0	236.2	31.0	1145.5
Sum	645.6	1116.1	2144.9	3153.5	2987.2	1279.4	1588.8	2067.2	2340.9	3023.0	2770.9	839.3	23956.8
Average	32.3	55.8	107.2	157.7	157.2	64.0	79.4	103.4	117.0	159.1	145.8	44.2	1197.8
n	20	20	20	20	19	20	20	20	20	19	19	19	

Table A. 1.3 Summary of Monthly Rainfall Record at Mubende (mm)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Yearly
1976													
1977													
1978													
1979													
1980													
1981													
1982													
1983	1.7	12.2	56.9	153.3	35.3	29.6	112.9	54.2	136.9	220.6	142	45.2	1000.8
1984	1.7	40.2	125.9	183.9	38.2	29.1	60.4	105.9	149.2	173	186.4	20.8	1114.7
1985													
1986													
1987													
1988													
1989	24.2	45.5	168.5	63.1	120.8	5.1	71.6	140.3	79.8	175.1	112.3	182.8	1189.1
1990	40.8	65.7	185.1	126.1	144.5	0.0	18.3	76.9	98.4	204.4	211.3	104.7	1276.2
1991													
1992													
1993													
1994	50.1	12.2	187.9	84.3	157.3	75.0	30.5	141.3	84.4	190.1	188.9	47.1	1249.1
1995	4.5	46.5	146.5	222.1	38.5	48.4	66.9	20.8	129.4	196.3	135.1		
Sum	123.0	222.3	870.8	832.8	534.6	187.2	360.6	539.4	678.1	1159.5	976.0	400.6	5829.9
Jan.	20.5	37.1	145.1	138.8	89.1	31.2	60.1	89.9	113.0	193.3	162.7	80.1	1166.0
Average	11	11	11	11	11	11	10	10	10	10	10	10	10
n													

Table A.1.4 Summary of Monthly Rainfall Record at Namulonge (mm)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Yearly
1976													
1977													
1978	60.9	78.0	126.6	220.3	122.0	55.9		71.4	104.7	183.6	196.6	71.0	1291.0
1979	282.6	82.6	134.9	85.9	169.7	102.7	8.7	65.2	22.1	44.8	69.7	170.5	1239.4
1980	28.3	29.3	181.9	179.0	121.5	91.2	38.5	51.3	136.3	97.6	183.0	70.6	1208.5
1981	79.1	26.0	159.5	190.2	180.2	55.3	110.1	112.6	224.4	103.5	32.0	55.7	1328.6
1982	70.2	9.6	99.7	42.4	125.9	58.1		58.1	81.6	223.6			769.2
1983			46.9	185.3	83.4	40.8	52.7	99.3	128.7	188.7	76.1	39.1	941.0
1984	26.5	10.3	58.0	197.2	76.3	49.7	49.0	212.6	44.5	86.3	409.2	24.7	1244.3
1985	107.6	20.5	149.1	102.6	91.8	18.5	65.3	57.3	47.5	81.7	108.9	89.9	940.7
1986	20.2	59.5	96.3	98.9	215.4	56.6	21.9	28.9	41.2	121.7	103.9	53.8	918.3
1987	20.8		108.8	84.8		46.3	125.0	90.3	75.7	145.4	88.1	42.6	827.8
1988	71.6	27.5	134.0	83.8	18.3	73.6	74.2	65.6	222.0	113.9	159.0	35.0	1078.5
1989	9.0	159.5	73.5	37.0	170.3	42.7	0.4	47.9	50.0	105.3	0.8	115.7	812.1
1990	11.6	23.0											34.6
1991													
1992													
1993													
1994													
1995													
Sum	788.4	525.8	1369.2	1507.4	1374.8	691.4	545.8	960.5	1178.7	1496.1	1427.3	768.6	12634.0
Average	65.7	47.8	114.1	125.6	125.0	57.6	54.6	80.0	98.2	124.7	129.8	69.9	971.8
n	12	11	11	11	10	11	10	11	11	11	10	10	

Table A. 1.5 Summary of Monthly Temperature Mean Max. Record at Namulonge (C)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1990	28.4	28.7	28.2	26.7	26.9	26.9	28.5	30.0	28.2	26.8	28.4	27.0	27.9
1991	28.8	29.3	27.8	27.2	27.0	27.1	27.4	27.5	28.9	27.7	28.2	29.6	28.0
1992	29.9	29.3	32.6	28.8	28.5	28.5	28.0	28.1	27.1	27.6	28.7	29.2	28.9
1993	28.4	30.1	30.2	27.8	28.1	27.7	29.3	29.1	28.9	28.1	28.6	28.5	28.7
1994	29.6	30.1	29.7	28.8	27.5	27.2	26.9	27.2	28.4	27.4	26.6	28.0	28.1
1995	29.0	29.4	29.7	27.6	27.6	27.6	28.3	28.7	28.3				28.5
Long-Mea	28.4	28.3	27.5	26.1	25.4	25.2	25.1	25.6	26.6	27.2	27.2	27.2	26.7
Sum													
Average	29.0	29.5	29.7	27.8	27.6	27.5	28.1	28.4	28.3	27.5	28.1	28.5	28.4
n	6	6	6	6	6	6	6	6	6	5	5	5	5

Table A. 1.6 Summary of Monthly Temperature Mean Min. Record at Namulonge

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1990	16.2	16.4	17.0	15.2	16.2	16.9	17.0	15.3	17.0	16.8	17.0	16.0	16.4
1991	17.5	17.3	17.0	15.9	16.0	16.7	15.9	16.2	16.1	16.0	16.3	15.3	16.4
1992	15.9	16.2	15.7	15.0	16.4	15.3	15.3	15.5	15.9	15.1	15.4	15.0	15.6
1993	16.1	15.2	15.9	15.8	16.2	15.9	16.0	15.7	15.9	15.8	16.4	15.6	15.9
1994	17.7	18.6	16.4	18.4	18.1	17.2	16.9	16.6	16.8	17.1	17.4	17.8	17.4
1995	16.7	16.3	16.4	15.5	16.2	16.2	16.1	15.7	16.2				16.1
Long-Mea	18.1	18.1	18.0	17.6	17.5	17.2	16.5	16.4	16.6	16.9	17.3	17.4	17.3
Sum													
Average	16.2	16.4	17.0	15.2	16.2	16.9	17.0	15.3	17.0	16.8	17.0	16.0	16.4
n	6	6	6	6	6	6	6	6	6	5	5	5	5

Table A.1.7 Summary of Monthly Temperature Mean Max. Record at Entebbe

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1990	26.8	27.1	26.8	26.6	26.1	26.7	26.0	26.3	26.8	26.0	26.6	27.4	26.6
1991	26.6	26.9	27.0	25.9	25.5	25.8	25.0	25.6	26.7	26.1	26.2	26.9	26.2
1992	27.0	26.7	26.6	25.9	25.5	25.4	25.0	25.2	26.0	26.3	26.1	26.1	26.0
1993	26.5	26.7	26.5	26.1	25.2	24.9	25.4	25.6	26.5	27.3	26.5	27.0	26.2
1994	27.3	27.7	26.8	26.2	25.1	25.0	24.4	25.3	26.1	25.8	25.2	25.6	25.9
1995	27.3	26.5	26.5	26.1	25.4	25.7	25.4	25.7	26.1				26.1
Long-Mea	26.7	26.8	26.6	25.9	25.5	25.4	25.0	25.2	26.0	26.3	26.1	26.1	26.0
Sum													
Average	26.9	26.9	26.7	26.1	25.5	25.6	25.2	25.6	26.4	26.3	26.1	26.6	26.2
n	6	6	6	6	6	6	6	6	6	5	5	5	5

Table A.1.8 Summary of Monthly Temperature Mean Min. Record at Entebbe

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1990	17.6	18.0	18.3	18.0	17.9	18.0	16.9	17.1	17.4	17.0	18.0	17.7	17.7
1991	17.8	18.2	18.5	18.1	18.1	17.8	17.2	16.8	17.5	17.1	18.3	18.4	17.8
1992	18.1	17.9	17.9	17.9	17.8	16.9	16.1	16.2	16.4	17.0	17.3	17.1	17.2
1993	18.6	18.6	18.6	18.7	18.8	18.5	17.4	17.3	17.6	18.3	18.8	19.0	18.4
1994	19	19.3	18.5	19.1	16.8	16.7	16.2	16.8	17.7	17.7	18.1	18.8	17.9
1995	19.3	19.3	19.3	18.2	18.9	18.5	16.9	16.9	17.6				18.3
Long-Mea	16.8	17.2	17.9	17.9	17.8	16.9	16.1	16.2	16.4	17.0	17.3	17.1	17.1
Sum													
Average	17.6	18.0	18.3	18.0	17.9	18.0	16.9	17.1	17.4	17.0	18.0	17.7	17.7
n	6	6	6	6	6	6	6	6	6	5	5	5	5

Table A.1.9 Summary of Monthly Relative Humidity Record at Nmulonge (6.00a.m., %)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1990	93	88	91	89	87	87	88	90	94	95	87	82	89
1991	82	89	82	89	82	84	90	91	87	86	84	83	86
1992	89	96	88	87	89	90	90	86	87	85	89	89	89
1993	91	88	83	88	87	88	83	83	87	70	88	91	86
1994	87	80	81	89	84	90	92	89	85	85	86	82	86
1995	78	80	84	85	90	92	91	92					87
Sum													
Average	87	87	85	88	87	89	89	89	88	84	87	85	87
n	6	6	6	6	6	6	6	6	6	5	5	5	

Table A.1.10 Summary of Monthly Relative Humidity Record at Namulonge (3.00p.m., %)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1990	66	57	66	69	68	89	67	70	62	71	63	56	67
1991	46	38	43	38	71	65	95	64	65	65	62	56	59
1992	59	65	52	63	67	66	63	59	64	62	68	60	62
1993	61	57	51	59	71	62	61	55	56	60	69	49	59
1994	55	55	50	65	68	68	76	60	63	62	61	50	61
1995	52	47	56	65	67	67	67	65					61
Sum													
Average	66	57	66	69	68	89	67	70	62	71	63	56	67
n	6	6	6	6	6	6	6	6	6	5	5	5	

Table A.1.11 Summary of Monthly Relative Humidity Record at Entebbe (9.00a.m., %)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1990													
1991													
1992													
1993	81	82	84	85	89	90	84	84	82	81	85	84	84
1994	84	85	84	86	87	88	90	87	85	87	90		87
1995	88	86	85	89	87	88							87
Sum													
Average	84	84	84	87	88	89	87	86	84	84	88	84	86
n	3	3	3	3	3	3	2	2	2	2	2	1	

Table A.1.12 Summary of Monthly Relative Humidity Record at Entebbe (3.00p.m., %)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1990													
1991													
1992													
1993	65	66	69	76	76	75	69	71	64	68	72	65	70
1994	63	63	66	72	69	73	75	75	72	72	74		70
1995	52	47	56	65	67	67							59
Sum													
Average	60	59	64	71	71	72	72	73	68	70	73	65	68
n	3	3	3	3	3	3	2	2	2	2	2	1	

Table A. 1. 13 Summary of Monthly Sunshine Record at Nmulonge (hrs/day)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1970	4.3	6.3	5.1	6.4	6.9	7.8	6.1	4.6	6.1	6.5	6.6	6.3	6.1
1971	7.9	7.4	6.2	6.0	5.8	6.5	6.0	6.7	6.3	6.6	6.9	6.7	6.6
1972	7.7	4.5	7.3	6.3	6.6	6.0	6.7	6.2	6.8	6.3	6.9	7.9	6.6
1973	7.3	7.2	7.9	6.5	6.4	6.1	6.6	6.0	5.8	6.6	5.6	8.1	6.7
1974	8.0	8.3	4.7	6.7	5.3		4.7	6.6	6.4	7.0	6.2	7.8	6.5
1975	8.0	8.3	4.7	6.7	5.3		4.7	5.6	6.2	6.4	5.6	6.2	6.2
Sum													
Average	7.2	7.0	6.0	6.4	6.1	6.6	5.8	6.0	6.3	6.6	6.3	7.2	6.4
n	6	6	6	6	6	4	6	6	6	6	6	6	6

Table A. 1. 14 Summary of Monthly Sunshine Record at Entebbe (hrs/day)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1970	4.7	6.6	3.3	6.6	6.5	7.4	5.8	3.4	0.1	6.1	6.4	5.7	5.2
1971	7.5	4.6	7.7	6.6	6.9	6.0	7.4	6.9	7.2	6.8	6.7	6.5	6.7
1972	7.0	7.9	8.7	7.3	5.8	7.4	6.7	6.0	6.9	5.5	5.5	6.8	6.8
1973	7.0	7.9	8.7	7.3	5.8	5.8	7.4	6.7	6.0	6.9	5.5	6.8	6.8
1974	8.1	8.8	4.5	7.1	4.4	5.8	4.4	7.4	6.8	7.1	5.9	7.3	6.5
1975	7.7	8.4	7.6	6.9	6.6	5.6	6.1	5.3	5.8	5.3	7.9	6.0	6.6
Sum													
Average	7.0	7.4	6.8	7.0	6.0	6.3	6.3	6.0	5.5	6.3	6.3	6.5	6.4
n	6	6	6	6	6	6	6	6	6	5	5	5	5

Table A.1.15 Summary of Monthly Wind Record at Namulonge (km/day)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1970	66	83	85	84	82	81	78	74	74	70	74	78	77
1971	82	92	89	93	75	78	74	76	79		71	70	80
1972	79	72	86	87	89	70	74	68	71	71	65	62	75
1973	64	79	87	83	76	71	71	74	78	77	65	72	75
1974	124	151	132	138	106		110	116	115	115	111	114	121
1975													
Sum													
Average	83	95	96	97	86	75	81	82	83	83	77	79	85
n	5	5	5	5	5	4	5	5	5	4	5	5	5

Table A.1.16 Summary of Monthly Wind Record at Entebbe (km/day)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Average
1970	66	78	75	91	92	84	79	71	74	78	68	65	77
1971	73	84	89	88	79	87	73	75	74	76			80
1972		110	138	139	146	110	116	111	122	114	104	104	119
1973	101	129	139	162	116	118	113	100	94	101	87	101	113
1974	176	195	173	223	169	161	154	162	158	156	144	157	169
1975													
Sum													
Average	104	119	123	141	120	112	107	104	104	105	101	107	112
n	4	5	5	5	5	5	5	5	5	5	4	4	4

Table A.1.17 Summary of Monthly Evaporation Record at Namulonge (mm)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Yearly
1960	113.0	108.2	97.3	91.7	84.6	105.9	97.8	110.0	115.6	97.3	107.9	151.4	1280.7
1961	173.5	112.3	158.0	119.4	122.4	98.5	98.7	100.6	113.7	108.4	75.2	115.6	1396.3
1962	94.0	176.2	113.6	138.8	124.8	112.0	128.6	116.8	111.5	108.3	131.0	129.7	1485.3
1963	118.8	122.5	159.5	134.7	116.6	126.9	133.6	134.1	143.5	148.1	100.6	108.4	1547.3
1964	153.4	130.5	144.7	117.5	127.6	108.6	100.0	117.0	124.4	130.0	101.3	141.5	1496.5
1965	163.4	156.1	147.8	144.1	160.6	161.8	132.6	137.8	153.0	132.9	130.4	143.0	1763.5
1966	135.7	123.4	128.1	115.7	134.6	124.7	128.7	141.2	143.9	128.2	77.6	111.1	1492.9
1967	211.6	144.0	154.2	132.5	61.9	120.7	122.2	115.9	141.5	115.4	106.2	137.0	1563.1
1968	159.5	106.6	121.4	107.2	118.1	132.2	115.2	123.7	131.8	132.7	108.1	123.1	1479.6
1969	115.2	95.4	128.6	112.7	116.3	113.0	114.8	132.9	103.8	145.1	113.3	120.4	1411.5
1970	99.9	145.1	122.2	124.5	115.2	124.2	116.7	98.8	101.0	119.0	126.1	129.3	1422.0
1971	162.0	145.5	168.5	125.2	97.7	109.5	107.1	111.1	132.1	121.4	134.3	94.7	1509.1
1972	139.3	99.8	145.5	128.1	128.0	117.6	111.6	127.7	133.1	131.4	106.7	128.7	1497.5
1973	133.2	138.3	189.1	132.8	125.8	123.6	131.1	132.7	141.7	152.0	119.8	153.1	1673.2
1974	145.6	168.3	156.2	156.9	118.6	108.5	112.5	134.6	130.8	136.2	135.8	140.0	1644.0
1975	157.6	170.4	172.3	145.8	122.1	113.3	113.4	109.9	116.9	111.8	117.0	123.4	1573.9
1976	167.0	125.5	154.5	120.3	103.2	110.7	111.7	92.5	118.2	142.5	118.9	129.5	1494.5
1977	102.8	103.5	147.4	85.8	123.7	98.1	105.4	115.9	113.8	129.0	108.4	117.6	1351.4
1978	123.6	114.0	108.6	104.3	118.5	105.9	119.0	109.1			113.6	95.0	1111.6
Sum	1346.2	145.1	1492.9	1236.4	1169.1	1124.4	1143.3	1165.2	1091.4	1188.4	1193.9	1231.7	14688.7
Average	140.5	130.8	143.0	123.1	116.9	116.6	115.8	119.1	126.1	127.2	112.2	125.9	1483.9
n	19	19	19	19	19	19	19	19	18	18	19	19	

Table A. 1. 18 Summary of Monthly Evaporation Record at Entebbe (mm)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Yearly
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970	114.7	151.2	139.5	171.0	158.1	132.0	117.8	111.6	141.0	133.3	144.0	142.6	1656.8
1971	158.1	154.0	173.6	141.0	155.1	135.0	142.6	127.1	141.0	142.6	159.0	133.0	1762.1
1972	173.6	130.5	173.6	168.0	170.5	144.0	158.1	151.9	177.0	155.0	144.0	148.8	1895.0
1973	148.4	184.6	231.5	174.0	131.1	132.1	137.7	140.0	140.2	143.4	120.2	144.0	1827.2
1974	161.6	151.9	142.5	169.0	114.1	130.3	137.2	151.4	145.9	168.0	141.0	164.3	1777.2
1975	189.1	179.2	229.4	159.0	155.6	102.0	130.2	130.2	126.0	142.6	156.0	124.0	1823.3
1976	140.0	143.0	230.0	167.0	154.0	135.1	140.2	133.4	118.7	147.3	116.1	113.0	1737.8
1977	127.1	114.8	159.0	126.0	151.9	147.0	124.0	127.1	90.0	117.8	87.0	90.7	1462.4
1978	160.0	174.0	120.1										454.1
Sum	1372.6	145.1	1599.2	1275.0	1190.4	1057.5	1087.8	1072.7	1079.8	1150.0	1067.3	1060.4	14395.9
Average	152.5	153.7	177.7	159.4	148.8	132.2	136.0	134.1	135.0	143.8	133.4	132.6	144.9
n	9	9	9	8	8	8	8	8	8	8	8	8	8

A.1 Meteorology and Hydrology

A.1.2 Summary of Hydrology

Table A.1.19 Summary of Monthly Flow Data at Rv. Katonga (No. 81362; Area 3,870km²), m³/sec

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Yearly
1970	1.39	0.90	0.31	0.23	2.19	1.86	0.73	0.29	0.19	0.51	0.68	1.30	10.58
1971	0.80		0.01	0.00									
1972						0.00	0.00	0.00	0.00		0.00	0.82	
1973	0.77	0.16	0.01	0.00	0.00			0.00	0.01	0.00	0.02	0.38	
1974	0.42	0.06	0.00	0.34	0.37	0.05	1.02	1.38	0.84		0.33		
1975		0.05	0.00		0.00	0.00	0.00	0.00	0.00	1.21			
1976	0.94	0.32	0.17	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.49	1.98
1977	0.59	0.31	0.14	0.12	0.16	0.02	0.00	0.00	0.00	0.00	1.01	2.62	4.97
1978	1.64	0.63	0.83	1.61	2.99	2.34	0.85	0.56	0.31	0.61			
1979	3.03	1.56	1.22		1.56	2.09	1.70	1.13	0.75	0.53	0.61	0.40	
1980	0.18	0.01	0.00	0.00	0.00							0.25	
1981	0.09	0.00	0.00	0.00	0.14	0.47	0.13	0.03	0.00			0.00	
1982	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Sum	9.85	4.00	2.69	2.35	7.41	6.83	4.43	3.39	2.10	2.86	2.66	6.26	54.83
Average	0.90	0.36	0.22	0.24	0.67	0.68	0.44	0.31	0.19	0.36	0.33	0.78	5.49
Maximum	3.03	1.56	1.22	1.61	2.99	2.34	1.70	1.38	0.84	1.21	1.01	2.62	21.51
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0
n	11	11	11	9	12	10	10	11	11	8	8	8	

Table A.1.20 Summary of Monthly Flow Data at Rv. Katonga (No. 81319; Area 693km²), m³/sec

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Yearly
1970	3.64	3.51	3.67	4.43	7.07		4.76	3.93	3.52	3.18	3.68	2.76	
1971		2.69	1.79	1.85	2.09	3.53	2.88	2.51	2.45	1.58	1.20	0.72	23.27
1972	0.54	0.42	0.21	0.11	0.15	0.23	2.20	1.21	1.02	1.00	1.15	1.98	10.23
1973	5.55	4.13	2.46	1.58	2.96		2.64	1.86	1.84	1.86	2.00	4.60	
1974	3.88	2.95	2.18	3.26	4.89	3.91	2.91	2.36	3.57	3.41	3.13	2.91	39.35
1975	2.02	1.21	1.14	0.71	0.75	0.68	2.15	1.72	2.00	4.38	7.78	9.18	33.72
1976	6.60	3.89	3.06	5.13	4.45	4.22	2.97	2.20	2.37	2.69	2.84	3.41	43.84
1977	2.45	3.58	3.59	4.23	5.73	6.39	3.46	2.01	1.69	2.53	4.05	8.68	48.41
1978	7.86	5.23	6.00	8.29	17.29	9.14	5.51	4.70	4.30	5.59	10.37	16.36	100.63
1979													
1980													
1981													
1982													
Sum	32.54	27.61	24.11	29.59	45.39	28.11	29.47	22.51	22.76	26.22	36.20	50.59	375.09
Average	4.07	3.07	2.68	3.29	5.04	4.02	3.27	2.50	2.53	2.91	4.02	5.62	43.02
Maximum	7.86	5.23	6.00	8.29	17.29	9.14	5.51	4.70	4.30	5.59	10.37	16.36	
Minimum	0.54	0.42	0.21	0.11	0.15	0.23	2.15	1.21	1.02	1.00	1.15	0.72	
n	8	9	9	9	9	7	9	9	9	9	9	9	

Table A.1.21 Summary of Monthly Flow Data at Rv. Katonga (No. 81359; Area 13930km²), m³/sec

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Yearly
1970	3.15	2.23	1.41	3.69	4.91	4.49	2.75	1.97	1.84	1.23	1.10	1.02	29.77
1971	1.17	0.68	0.27	0.68	2.31	1.32	0.70	0.63	0.87	1.21	1.08	0.72	11.62
1972	0.67	0.54	0.26	0.25	0.59	0.49	0.26	0.06	0.02	0.01	0.21	1.24	4.60
1973	1.13	1.55	1.23	1.14	1.72	1.58	1.46	0.85	0.64	0.58	0.93	0.77	13.56
1974	1.06	1.05	0.94	3.33	2.18	2.31	2.40	1.28	0.42	0.07	1.14	1.23	17.41
1975	0.71	0.23	1.04		1.30	0.88	0.05	0.00	0.04	0.08	1.47	4.82	
1976	5.44	3.35	2.71	4.02	4.58	3.52	1.85	0.94	0.63	0.51	0.72	1.68	29.94
1977	1.55	1.76	1.33	1.97	3.70	4.31	2.82	1.11	0.86	1.13	1.86		
1978		5.17	6.69	8.05	13.22	9.05	5.53	3.81	3.26	4.19	6.52	10.62	
1979	8.10	6.13	5.52	6.02	9.28	13.06	10.87	4.60	2.81	1.22	1.52	1.77	70.88
1980	1.46												
1981										0.00	0.01	0.00	
1982	0.00	0.00											
Sum	24.42	22.68	21.38	29.14	43.79	41.00	28.69	15.25	11.39	10.22	16.52	23.88	288.36
Average	2.22	2.06	2.14	3.24	4.38	4.10	2.87	1.52	1.14	0.93	1.50	2.39	28.49
Maximum	8.10	6.13	6.69	8.05	13.22	13.06	10.87	4.60	3.26	4.19	6.52	10.62	
Minimum	0.00	0.00	0.26	0.25	0.59	0.49	0.05	0.00	0.02	0.00	0.01	0.00	
n													

Table A.1.22 Summary of Monthly Flow Data at Rv. Katonga (No. 81316; Area 996km²), m³/sec

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Yearly
1970	0.13	0.00	0.00	0.43	0.20	0.00	0.00	0.00	0.00	0.18		0.04	
1971	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36		0.00	
1972	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.03		0.01	0.00	0.54	
1973	0.12	0.00	0.00	0.00	0.23	0.35	0.01	0.00	0.01	0.14	0.37	0.17	1.40
1974	0.01	0.00	0.01	2.21	0.18	0.07	0.74	0.24	0.43	0.03	0.01	0.13	4.06
1975	0.00	0.00	0.00	0.00	0.04	0.00	0.01	0.03	0.91	1.95	0.70	1.14	4.78
1976	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.35	1.16	1.58
1977	0.19	0.06	0.02	0.82	0.77	0.06	0.09	0.00	0.00	0.47	5.25		
1978	0.78	0.02		1.49	3.21	0.11							
1979													0.00
1980													
1981													
1982													
Sum	1.29	0.08	0.04	4.95	4.63	0.60	1.20	0.30	1.36	3.13	6.68	3.17	27.44
Average	0.14	0.01	0.00	0.55	0.51	0.07	0.15	0.04	0.19	0.39	1.11	0.45	3.63
Maximum	0.78	0.06	0.02	2.21	3.21	0.35	0.74	0.24	0.91	1.95	5.25	1.16	
Minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
n													

A.2 Existing Borehole Record

A.2.1 Mpigi District

DISTRICT Mpigi
COUNTY Gomba
SUBCOUNTY Madau

VILLAGE	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER		Casing Length (m)	SCREEN FROM (m) TO (m)	PUMP DEPTH (m)	Pump Type	LITHOLOGY	AQUIFER DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION
				I/II (mm)	DEPTH-I (m) DEPTH-II (m)											
KIRASI	304301-1	31° 38' 00" 10'	138.8	203.2/152.4	42.7	98.1	53.7	61.0	1	B-T	57.95/125.05	0.408		41.18	1956	
UWAFERA	304301-2	31° 32' 00" 10'	105.5	203.2/152.4	36.6	68.9	4.3	61.0	1	B-T	48.9/96.99	1.044		38.13	1956	
KAMENGO	304301-3	31° 38' 00" 14'	68.6	203.2/152.4	55.0	13.6	57.0	48.8	1	B-T (meta)	?	0.820		26.50	1973	
LIBERTY	304302-1	31° 33' 00" 14'	57.0	203.2/152.4	54.0	3.0	54.0	NO	1	B-T (sh/qz)	62 / 49	2.000		30.00	1992	
NSOZIRIBI	304302-2	31° 36' 00" 17'	111.6	203.2/152.4	44.5	67.1	57.3	60.9	1	B-T	57.95/102.48	0.820		39.65	1956	dry hole
KYAYI	304304-1	31° 24' 00" 13'	93.0	203.2/	93.0	0.0			1	B-T (sh)					1993	dry hole
KAMUKIDU	304304-2	31° 24' 00" 13'	82.0	203.2/114.3	49.0	33.0			1	B-T (qz/gr)	51.85/	0.136		34.77	1956	B/N capped
KASAMBWA	304305-1	31° 38' 00" 13'	152.5	203.2/152.4	43.0	109.5			1	B-T (amp/gr)	36.45 / 36.45	1.400		35.08	1956	B/N capped
MADDO	304305-2	31° 33' 00" 13'	60.0	203.2/152.4	33.0	27.0	44.5	47.5	1	B-T	48.19/71.68	4.994		41.20	1972	
MADDO	304305-3	31° 41' 00" 13'	80.8	203.2/152.4	42.7	38.1	47.9	85.4	1	B-T (meta)	68.3 / 70.9	0.680		39.52	1956	
MADDO	304305-4	31° 40' 00" 13'	107.1	203.2/152.4	47.0	60.1	46.7	38.4	1	B-T	76.78/106.75	0.272		34.00		
NTALAGI	304306-1	31° 42' 00" 11'	137.5	203.2/152.4	24.4	113.2		50.4	1	B-T		1.257		41.20		
AVG			99.5		47.1	52.5		85.4				4.994				
MAX			152.5		93.0	113.2		85.4				4.994				
MIN			57.0		24.4	0.0	4.3	0.0				0.136				

DISTRICT Mpigi
COUNTY Gomba
SUBCOUNTY Kabulasoke

VILLAGE	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER		Casing Length (m)	SCREEN FROM (m) TO (m)	PUMP DEPTH (m)	Pump Type	LITHOLOGY	AQUIFER DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION
				I/II (mm)	DEPTH-I (m) DEPTH-II (m)											
KIRABI	304101-1	31° 50' 00" 09'	89.1	203.2/152.4	20.3	68.8	20.7	26.0	2	Base-Comp	33.86/80.83	0.654		6.10	1956	
KABANKONYO	304102-1	31° 45' 00" 12'	77.8	203.2/152.4/101.6	69.2	8.5	69.2	59.8	1	B-T (meta)	64.05/69.85	0.628		45.46	1956	
KIRABU	304104-1	31° 44' 00" 06'	50.3	203.2/152.4	39.0	11.3	20.0	44.0	1	B-T (sh)	25 / 42.5	1.500		21.00	1990	B/N capped
KATULA	304103-1	31° 48' 00" 08'	103.7	203.2/152.4	21.4	82.4	49.6	36.4	1	B-T	50.3 / 94.6	0.700		21.66	1956	
ETULERA	303503-1	31° 35' 00" 08'	63.0	250.0/152.4	21.0	42.0	21.0		1	B-T		0.600			1988	NO infram
MATUNGO	304109-1	31° 46' 00" 10'	138.2	203.2/152.4	32.6	105.5	78.6	57.9	1	B-T (meta)	32.6/66.8/129	0.728		42.70	1956	
MATUNGO	304108-1	31° 52' 00" 07'	88.5	203.2/152.4	35.0	52.5	26.6	27.0	1	B-T (meta)	36.6 / 79.3	5.540		13.10	1956	
AVG			87.2		34.2	53.0		41.4				1.478		25.00		
MAX			138.2		69.2	105.5		59.8				5.540		45.46		
MIN			50.3		20.3	8.5	20.7	26.0				0.600		6.10		

DISTRICT Mbigi
COUNTY Comba

VILLAGE	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER		CASING		SCREEN		PUMP DEPTH (m)	LITHOLOGY Type	AQUIFER		YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SPW (m)	CONSTR. CONDITION	
				1/11 (mm)	DEPTH-1 (m)	DEPTH-11 (m)	LENGTH (m)	FROM (m)	TO (m)			DEPTH (m)	DEPTH (m)				YEAR	YEAR
MPENGA	304403-1	32° 03' 00" 21'	122.0	203.2/152.4	61.0	61.0	152.4	64.1	-	61.0	1 B-T	48.8	64.05	0.910	30.50	1973		
KIRIRI	304405-1	32° 04' 00" 13'	122.0	203.2/152.4	54.6	67.4	152.4	67.1	-	79.3	1 B-T (qr)	73.2	-	0.763	37.36	1969		
NGOMANDE	304410-1	32° 00' 00" 12'	79.3	203.2/152.4	12.2	67.1	152.4	39.7	-	-	1 B-T	45.75	-	1.140	21.35	1970	B/H capped	
AV			107.8		42.6	65.2		56.9		70.2				0.938	29.74			
MAX			122.0		61.0	67.4		67.1		79.3				1.140	37.36			
MIN			79.3		12.2	61.0		39.7		61.0				0.763	30.50			

DISTRICT Mbigi
COUNTY Kyandondo

VILLAGE	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER		CASING		SCREEN		PUMP DEPTH (m)	LITHOLOGY Type	AQUIFER		YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SPW (m)	CONSTR. CONDITION	
				1/11 (mm)	DEPTH-1 (m)	DEPTH-11 (m)	LENGTH (m)	FROM (m)	TO (m)			DEPTH (m)	DEPTH (m)				YEAR	YEAR
NTINDA	305302-1	32° 37' 00" 21'	39.0	203.2/152.4	12.0	27.0	152.4	28.0	16	28	2 Base-Comp. 12 (gr)	2 Base-Comp. 12	-	2.000			1988	B/H capped
NTINDA	305302-2	32° 37' 00" 21'	48.0	203.2/152.4	18.0	30.0	152.4	45.0	33	45	2 Base-Comp. 6/15/30 (gr)	2 Base-Comp. 6/15/30	-	2.500	6.00		1958	B/H capped
BUISO	305303-1	32° 36' 00" 32'	35.4	254/203.2/152.4	19.8	15.5	152.4	25.8		32.2	1 B-T	33.55	-	2.250	28.88		1952	
KARUNSA	305304-1	32° 38' 00" 31'	152.5	254/203.2/152.4	31.1	121.4	203.2	32.0			2 Base-Comp. 34.16 (gneiss)	2 Base-Comp. 34.16	-	1.820	9.46		1971	B/H capped
NAMLONGE	305304-2	32° 37' 00" 32'	20.7	203.2/152.4	8.2	11.5	152.4	20.7			1 B-T	25.93/137.25	-	11.804	6.71		1963	B/H capped
LEKOKO	305306-1	32° 34' 00" 31'	45.5	203.2/152.4	30.3	15.2	152.4	21.0			1 B-T	35	-	0.400			1989	not available
LUGO	305307-1	32° 36' 00" 30'	32.9	254/203.2	23.5	9.5					1 B-T	(ss/qr)	-				1962	B/H abandoned
MAGIGYE	305307-2	32° 35' 00" 25'	39.0	279/203.2/152.4	14.3	24.7	152.4	21.1		31.4	1 B-T	12.5	-	7.350	5.00		1951	
KYANBOKO	305307-3	32° 36' 00" 30'	71.4	203.2/152.4	39.0	32.3	152.4	14.64			2 Base-Comp. 15.25/65.58 (mica slt)	2 Base-Comp. 15.25/65.58	-	6.950	3.66		1969	B/H capped
MAGIGYE	305307-4	32° 36' 00" 30'	34.8	254/203.2/152.4	20.4	14.3	152.4	31.4		24.9	2 Base-Comp. 27.45/32.03 (gr)	2 Base-Comp. 27.45/32.03	-	1.840	18.00		1952	
AV			51.9		21.8	30.1		26.6		29.5				4.102	11.10			
MAX			152.5		39.0	121.4		45.0		32.2				11.804	28.88			
MIN			20.7		9.2	9.5		14.6		24.9				0.400	3.66			

DISTRICT Kpigi

COUNTY Butambala

SUBCOUNTY	VILLAGE	DWD NO.	COORDINATES E/N	TOTAL DEPTH(m)	BOREHOLE DIAMETER		CASING		SCREEN		PUMP		AQUIFER		YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION	
					1/11(mm)	2/11(mm)	DEPTH-1(m)	DEPTH-11(m)	LENGTH(m)	DIA(mm)	FROM(m)	TO(m)	DEPTH(m)	Type						LITHOLOGY
SUBCOUNTY Ngando	BUCOBANGO	303501-1	31° 54' 00" 06"	111.6	203.2/152.4	55.0	56.6	152.4	64.4	-	-	48.8	1	B-T (meta)	37.2 / 88.5	0.910	30.50	1973		
				111.6		55.0	56.6		64.4	48.8				0.910	30.50					
				111.6		55.0	56.6		64.4	48.8				0.910	30.50					
				111.6		55.0	56.6		64.4	48.8				0.910	30.50					
TOTAL				111.6		55.0	56.6		64.4	48.8					0.910	30.50				
AVERAGE				111.6		55.0	56.6		64.4	48.8						0.910	30.50			
MAX				111.6		55.0	56.6		64.4	48.8						0.910	30.50			
MIN				111.6		55.0	56.6		64.4	48.8						0.910	30.50			

DISTRICT Kpigi

COUNTY Baisiro

SUB-COUNTY Nanyumba																		
VILLAGE /PARISH	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH(m)	BOREHOLE DIAMETER		CASING		SCREEN		PUMP DEPTH(m)	AQUIFER		YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION	
				DEPTH-1 (m)	DEPTH-2 (m)	LENGTH (m)	DIA (mm)	FROM (m)	TO (m)		LITHOLOGY	DEPTH (m)						
302504-1	32° 13' 00" 30'	133.3	203.2/152.4	40.6	92.7	152.4	41.2			51.3	1	B-T (meta)	61.92/124.14	0.645	14.64	1958		
KITANTIA																		
302506-1	32° 14' 00" 33'	137.0	203.2/152.4	42.1	94.9	152.4	43.0			33.2	1	B-T (meta)	46.36/129.02	0.930	2.14	1958		
KYANUNA																		
302507-1	32° 14' 00" 26'	54.9	203.2/152.4	40.9	14.0	152.4	11.0			32.3	1	B-T (sh)	15.25/52.77	2.040	4.88	1948		
KITALYA																		
302507-2	32° 14' 00" 26'	107.4	203.2/152.4	23.2	84.2	152.4	20.1			76.0	1	B-T (sh)	7.63 /12.81	0.590	3.66	1949		
KITALYA																		
KYASA																		
Avg		108.1		36.7	71.4		28.8			48.2				1.1	6.3			
Max		137.0		42.1	94.9		43.0			76.0				2.0	14.6			
Min		54.9		23.2	14.0		11.0			32.3				0.6	2.1			

DISTRICT Mpigi
COUNTY Busiro

SUBCOUNTY Kiziba/Masulita

VILLAGE	DWD NO.	COORDINATES E/N	TOTAL DEPTH(m)	BOREHOLE DIAMETER I/II(om)	DEPTH-I(om)	DEPTH-II(om)	CASING DIA(om)/LENGTH(om)	SCREEN FROM(om) TO(om)	PUMP DEPTH(om)	LITHOLOGY	AQUIFER DEPTH(m)	YIELD (m3/hr)	S/C (m3/hr/om)	STL (m)	CONSTR. YEAR	CONDITION
ZAKISHI	302402-1	32°26'00"33'	50.3	203.2/152.4	16.2	34.2	152.4	16.8	34.3	1 B-T(meta)	28.0 /	3.070	14.95	14.95	1958	
KIROLO	302404-1	32°20'00"30'	42.0	250.8/165.0	33.0	9.0	165.0	33.0	33.0	2 Base(dr)	24 /39	2.000			1990	not available
KATIKARI	302405-1	32°18'00"31'	95.8	203.2/152.4	11.6	84.2	152.4	44.8	31.7	1 B-T(meta)	35.4/52.2/88.	0.920	10.68		1958	
KATIMBO	302408-1	32°22'00"31'	60.0	250.8/165.0	48.0	12.0	165.0	48.0		2 Base(ss)	52 /				1990	B/H abandoned
KATIMBO	302408-2	32°21'00"31'	66.0	203.2/152.4	48.0	18.0	152.4	48.0	30.6	2 Base(gr)	48 /54	0.500	35.00		1988	not available
KATIMBO	302408-3	32°21'00"31'	36.0	225.4/165.0	24.0	12.0	165.0	24.0		1 B-T(qz/gr)	15 /30	1.200			1990	B/H capped
KATIMBO	302408-4	32°21'00"31'	54.0	250.8/165.0	43.0	11.0	165.0	43.0	30.3	1 B-T(dr)	44 /48	2.000			1990	
KATIMBO	302408-5	32°21'00"31'	54.0	250.8/165.0	42.0	12.0	165.0	42.0	15.0	2 Base(ss)	24 /48	1.500			1990	
KATIMBO	302408-6	32°22'00"31'	24.4	279.4/152.4	15.3	9.2	152.4	15.9	19.2	2 Base(gr)	19.83/22.57	4.090	15.25		1954	
KATIMBO	302408-7	32°22'00"31'	22.0	279.4/152.4	15.3	6.7	152.4	15.9	15.9	2 Base(gr)	15.27/	4.090	16.29		1945	
KATIMBO	302408-8	32°22'00"31'	51.9	203.2/152.4	30.5	21.4	152.4	40.9	42.7	2 Base	25.69/	0.910	21.35		1969	
KATIMBO	302411-1	32°24'00"31'	64.1	203.2/152.4	64.1	0.0	152.4	42.7	30.5	2 Base(qz/gr)	29.9/44.2/57.	1.820	13.73		1973	
ATIMBO			51.7		32.6	19.1		34.7	27.4			2.009		18.18		
MAX			95.8		64.1	84.2		48.0	42.7			4.090		35.00		
MIN			22.0		11.6	0.0		15.9	15.9			0.500		10.68		

DISTRICT Malawi
COUNTY Basilio

SUBCOUNTY Takiso																
DWD NO.	VILLAGE	COORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER		CASING		SCREEN FROM (m) TO (m)	PUMP DEPTH (m)	AQUIFER LITHOLOGY	DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION
				DEPTH-I (m)	DEPTH-II (m)	DIA (mm)	LENGTH (m)									
302803-1	BOKASA	32° 28' 00" 21'	82.4	203.2/152.4	46.4	36.0	152.4	59.5		1 B-T (sasa)	28.0 /	3.070		14.95	1958	B/H capped
302803-2	BOKASA	32° 28' 00" 22'	128.1	203.2/152.4	23.2	104.9	152.4	72.6	56.6	2 Base	24 /39	2.000			1990	
302803-3	BOKASA	32° 30' 00" 23'	152.5	203.2/152.4	65.0	87.5	152.4	67.1	51.6	2 Base	35.4/52.2/88	0.920		10.68	1958	
302803-4	BOKASA	32° 30' 00" 23'	97.6	203.2/152.4	12.2	85.4	152.4	36.6	18.3	2 Base	52 /				1990	B/H capped
302804-1	BULOKA	32° 28' 00" 20'	48.0	203.2/152.4	45.0	3.0	152.4	48.0	39.2	1 B-T (sasa/qr)	48 /54	0.500		35.00	1989	B/H capped
302808-1	BULOKA	32° 28' 00" 22'	72.0	225.4/159.0	42.0	30.0	152.4	42.0		1 B-T (gn)	15 /30	1.200			1990	
302804-2	BULOKA	32° 28' 00" 20'	75.0	203.2/152.4	42.0	32.0	152.4	42.0	39.0	1 B-T (gr)	44 /48	2.000			1990	B/H capped
302804-3	BULOKA	32° 28' 00" 20'	60.0	250.8/165.0	30.0	30.0	165.0	51.0	51.0	1 B-T (gr)	24 /48	1.500			1990	not available
302807-1	BULOKA	32° 28' 00" 24'	91.5	203.2/152.4	12.2	79.3	152.4	54.9	42.7	1 B-T	19.83/22.57	4.090		15.25	1954	B/H capped
302802-2	TEMANGALO	32° 28' 00" 22'	75.0	203.2/159.0	30.0	45.0	152.4	30.0	24.0	1 B-T (gn)	15.27 /	4.090		16.29	1945	B/H capped
302808-3	TEMANGALO	32° 31' 00" 21'	131.2	203.2/152.4	46.4	84.8	152.4	51.2	79.3	1 B-T (gr)	25.69 /	0.910		21.35	1969	
302808-4	TEMANGALO	32° 28' 00" 22'	72.0	203.2/159.0	42.0	30.0	152.4	42.0	36.6	2 Base (gn)	29.9/44.2/57	1.820		13.73	1973	
302809-1	LEFWANGA	32° 26' 00" 22'	138.2	203.2/152.4	50.6	87.5	152.4	51.2	42.2	2 Base	77.17/129.63	0.636		25.6	1956	
302811-1	LUKWANGA	32° 30' 00" 23'	38.1	203.2/152.4	17.4	20.7	152.4	20.7	24.1	2 Base (gr)	14.64	1.155		11.6	1946	
302813-1	NALUVULE	32° 23' 00" 01'	31.7	203.2/152.4	18.3	13.4	152.4	31.1	26.5	2 Base (qr)	19.83	0.545		18.00	1948	
302813-2	NAMUSERA	32° 29' 00" 25'	90.0	203.2/152.4	29.0	61.0	152.4	59.7	41.9	2 Base	59.17/82.35	0.767		22.9	1956	
A/C			86.5		34.5	52.0		47.5	44.8			1.679		18.67		
MAX			152.5		65.0	104.9		72.6	79.3			4.090		35.00		
MIN			31.7		12.2	3.0		20.7	24.1			0.500		10.58		

DISTRICT Mpigi
COUNTY Kyeungo
SUB-COUNTY Kyeungo

VILLAGE	DWD NO.	CO-ORDINATES	TOTAL DEPTH (m)	BORERHOLE DIAMETER / I.D. (mm)	DEPTH-1 (m)	DEPTH-2 (m)	CASING LENGTH (m)	SCREEN LENGTH (m)	PUMP DEPTH (m)	ANULIFER DEPTH (m)	YIELD (m³/hr)	S/C (m³/hr)	CONSTR. YEAR	CONDITION
KASANGATI	305601-1	32°36'00"27"	9.8	203.2/152.4	9.5	0.3				2 Base (gr)	4.58	3.05	1946	B/H abandoned
/BULANGI														
KASANGATI	305601-2	32°36'00"27"	46.7	152.4	46.7	0.0	152.4	15.0		2 Base	27.45/31.72	0.999	1959	no information
/BULANGI														
KASANGATI	305601-3	32°36'00"27"	77.0			77.0				2 Base		8.00		file missing
/BULANGI														
P/S	305601-4	32°17'00"22"	75.0	203.2/152.4	57.0	18.0				1 B-T (ss)			1992	B/H abandoned
/BULANGI														
KASANGATI	305601-5	32°35'00"27"	75.0	203.2/152.4	30.0	45.0	152.4	27.0	30.0	2 Base (gr)	12/28/45	1.800	1992	
/BULANGI														
KASANGATI	305601-6	32°36'00"26"	62.7	203.2/152.4	62.7	0.0	152.4	62.7		2 Base (gr)	66.8/82	0.900	1991	not available
/BULANGI														
KIDE P/S	305601-7	32°17'00"22"	55.0	203.2/114.3	49.0	6.0	114.3	49.0		1 B-T	16/52		1993	not available
/BULANGI														
KASANGATI	305601-8	32°36'00"27"	61.9	203.2/152.4	36.0	25.9	152.4	59.9	8.0	1 B-T	30.55	0.680	1946	
/BULANGI														
KASANGATI	305601-9	32°36'00"26"	35.2			35.2			27.0	2 Base				file missing
/BULANGI														
KASANGATI	305601-10	32°36'00"27"	147.9	203.2/152.4	19.2	128.7	152.4	19.5	79.3	2 Base (gr)	23.98	0.409	1969	
/BULANGI														
GAYAZA	305602-1	32°37'00"27"	35.4	279.4/203.2	6.4	29.0				2 Base			1950	B/H abandoned
/GAYAZA														
KABANYOLO	305602-2	32°37'00"28"	54.9	254/203.2/152.4	27.5	27.5	152.4	43.3	6.1	2 Base (gr/gr)	15/18.3/44	5.450	1972	not available
/GAYAZA														
GAYAZA	305602-3	32°37'00"27"	42.1	279.4/203.2/152.4	16.2	25.9	152.4	37.8	7.0	2 Base (sh)	19.83	1.820	1946	
/GAYAZA														
GAYAZA	305602-4	32°37'00"27"	113.5	304.8/250.4/203.2	27.5	86.0	203.2	59.7	24.1	2 Base	47.28/104.62	6.540	1969	B/H capped
/GAYAZA														
KIWEZA	305602-5		63.6	203.2/152.4	24.2	39.4	152.4	24.2	26.5	2 Base (gr)	15/45/55	0.950	1989	not available
/GAYAZA														
GAYAZA	305602-6	32°37'00"27"	66.7	203.2/152.4	37.0	29.7	152.4	37.0	41.9	1 B-T (gr)	36/45/57	3.000	1990	not available
/GAYAZA														
GAYAZA	305602-7	32°37'00"27"	66.0	203.2/152.4	42.0	24.0	152.4	42.0	5.8	1 B-T (gr)	33/54	1.000	1991	B/H capped
/GAYAZA														
GAYAZA	305602-8	32°37'00"27"	62.1			62.1				2 Base				file missing
/GAYAZA														
GAYAZA	305602-9	32°37'00"27"	100.0	203.2/152.4	21.3	78.7	152.4	21.3		2 Base (gr)	57/63	0.500	1990	not available
/GAYAZA														
GAYAZA	305602-10	32°37'00"27"	44.2	279.4/203.2/152.4	12.2	32.0	152.4	44.8	40.7	2 Base (sh)	27.45	1.360	1951	
/GAYAZA														
GAYAZA	305602-11	32°37'00"27"	65.3	203.2/152.4	33.6	31.7	152.4	12.2	31.4	1 B-T	18.3	2.290	1957	
/GAYAZA														
KABANYOLO	305602-12	32°28'00"22"	36.6	203.2/152.4	14.6	22.0	152.4	16.5		2 Base	14.64	7.190	1954	B/H capped
/GAYAZA														
KABANYOLO	305602-13	32°37'00"28"	148.2	203.2/152.4	31.1	117.1	152.4	31.7	35.4	2 Base	45.75	0.563	1954	
/GAYAZA														
KABANYOLO	305602-14	32°37'00"28"	33.4	203.2/152.4	17.7	20.7	152.4	18.2		2 Base	31.42	9.000	1954	B/H capped
/GAYAZA														

VILLAGE	DWD NO.	CO-ORDINATES	TOTAL DEPTH (m)	BOREHOLE DIAMETER I/I (mm)	DEPTH-I (m)	DEPTH-II (m)	CASING LENGTH (m)	SCREEN LENGTH (m)	PUMP DEPTH (m)	LITHOLOGY	DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION
KABAYOLO	305602-1	32° 37' 00" 28'	122.6	203.2	122.6	0.0	203.2	62.8		2 Base	28.1/106.8	3.680		7.30	1972	B/H capped
/GAYAZA	305605-1	32° 35' 00" 26'	122.0	203.2/152.4	34.8	87.2				2 Base	45.75/109.19	13.070		4.88	1956	B/H capped
/KITEZI	305605-2	32° 35' 00" 26'	152.5	203.2/152.4	45.1	107.4	152.4	45.7		1 B-T	74.12/134.2	6.250		1.83	1955	B/H capped
/KITEZI	305605-3	32° 35' 00" 25'	27.6	279.4/203.2	18.9	8.7	203.2	19.8	23.9	1 B-T(sh)	5.49	2.720		1.53	1951	
/KITEZI	305605-4		48.0	203.2/152.4	24.0	24.0	152.4	30.0		(cz)	15/30	1.200			1994	B/H capped
/KITEZI	305606-1	32° 36' 00" 26'	37.2	203.2/152.4	27.5	9.7	152.4	34.5	23.8	2 Base (gr)	27.45	0.454		21.35	1946	
/MASOOLI	305606-2	32° 35' 00" 26'	45.5	203.2/152.4	34.5	11.0	152.4	36.0	40.6	2 Base (sh)	30.5	4.086		29.28	1951	
/MASOOLI	305607-1	32° 35' 00" 27'	57.0	203.2/152.4	39.0	18.0	152.4	39.0		2 Base (qz)	39/48	1.800		27.00	1991	B/H capped
/NANGABO	305607-2	32° 35' 00" 27'	57.0	203.2/152.4	39.0	18.0	152.4	39.0		2 Base (qz)	36/51	3.000		33.00	1992	B/H capped
/NANGABO	305607-3	32° 35' 00" 27'	54.0	203.2/152.4	45.0	9.0	152.4	45.0		2 Base (gr)	42/48	2.000		24.00	1992	B/H capped
/NANGABO	305607-4	32° 35' 00" 26'	43.6	279.4/203.2/152.4	15.9	27.8	152.4	36.1	38.9	2 Base (sh)	20.13	6.810		13.42	1951	
/NANGABO	305607-5	32° 35' 00" 24'	51.0	203.2/152.4	33.0	18.0	152.4	33.0		(ss/qz)	15/34	1.000			1994	
/NANGABO	305607-6	32° 34' 00" 26'	90.0	203.2/152.4	48.0	42.0	152.4	42.0		(ss/qz)					1994	dry hole
/KITAGORWA	305602-1	32° 37' 00" 27'	79.3	254/203.2/152.4	26.4	52.9	152.4	33.5		2 Base (gr)	24.4	7.170		0.00	1955	no information
/GAYAZA	305608-1	32° 37' 00" 25'	27.8	203.2/152.4	13.7	14.0	152.4	27.8	18.3	1 B-T(sh)	4.58	1.362		3.66	1946	
/SETA	305608-2	32° 36' 00" 26'	58.6	203.2	58.6	0.0	152.4	54.0	33.6	1 B-T(sh)	54.9	0.640		21.35	1957	
/NAMPEYO	305608-3	32° 36' 00" 26'	76.3	203.2/152.4	12.2	64.1	152.4	54.0	55.0	2 Base	58	2.270		36.60	1972	
/NAMPEYO			63.6		32.3	35.1		35.2	32.4					14.95		
AVC			132.5		122.6	128.7		62.8	79.3					36.60		
MAX			0.0		0.0	0.0		0.0	0.0					0.00		
MIN																

A.2.2 Mubende District

COUNTY Basuju
SUBCOUNTY Mwanji

VILLAGE	DWD NO.	CO-ORDINATES	TOTAL DEPTH(m)	BOREHOLE DIAMETER I/I(mm)	DEPTH-1 (m)	DEPTH-11(m)	CASING DIA(mm)	LENGTH (m)	SCREEN FROM (m)	TO (m)	PUMP DEPTH(m)	LITHOLOGY	AQUIFER DEPTH(m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION
Buzibazzi	311304-1	31° 53' 00" 17'	131.5	203.2/152.4	64.7	66.8	152.4	107.5			18.3	soft rock	94.55/123	1.200	38.13	1956	B/H capped	
Kvudalo	311302-1	31° 55' 00" 17'	100.4	203.2/152.4	22.9	77.6	152.4	77.6						4.360	8.54	1956		
Banda	311301-1	31° 54' 00" 15'	108.3	203.2/152.4	24.4	83.9	152.4	45.8			19.1	3 ss/very rock	45.5/100.0	2.040	10.37	1956		
AV			113.4		37.3	76.1		77.0			18.7			2.533	19.01			
MAX			131.5		64.7	83.9		107.5			19.1			4.360	38.13			
MIN			100.4		22.9	66.8		45.8			18.3			1.200	8.54			

DISTRICT Mubende
COUNTY Basuju
SUBCOUNTY Patavuma

VILLAGE	DWD NO.	CO-ORDINATES	TOTAL DEPTH(m)	BOREHOLE DIAMETER I/I(mm)	DEPTH-1(m)	DEPTH-11(m)	CASING DIA(mm)	LENGTH(m)	SCREEN FROM (m)	TO(m)	PUMP DEPTH(m)	LITHOLOGY	AQUIFER DEPTH(m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION
Kande	311102-1		83.3	203.2/152.4	58.0	25.3	152.4	58.9						0.540	31.42	1970	B/H capped	
AVC			83.3		58.0	25.3		58.9						0.540	31.42			
MAX			83.3		58.0	25.3		58.9						0.540	31.42			
MIN			83.3		58.0	25.3		58.9						0.540	31.42			

DISTRICT Mubende
COUNTY Basuju
SUBCOUNTY Fakindu

SUBCOUNTRY	VILLAGE	DWD NO.	CO-ORDINATES	TOTAL DEPTH(m)	BOREHOLE DIAMETER		DEPTH-1 (m)	DEPTH-11 (m)	CASING		SCREEN		PUMP DEPTH(m)	LITHOLOGY	AQUIFER DEPTH(m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION
					1/11 (mm)	2/11 (mm)			LENGTH (m)	FROM (m)	TO (m)	DEPTH (m)								
Mwera	311201-1	32° 07' 00" 19'	/	152.5	203.2/152.4/101.6	34.5	118.0	152.4	98.2			50.8	hard rock	70.15/97.6	0.350	22.88		1957		
	311204-1	32° 08' 00" 21'	/	122.6	203.2/152.4	39.7	83.0	152.4	46.9				hard rock	68.63/114.68	1.430	26.54		1958		
	311203-2	/	71.1	203.2/152.4	38.1	32.9	152.4	54.9					3 loose sand	64.06/	1.140	15.3		1970	B/H capped	
	311203-1	/	140.3	203.2/152.4/101.6	32.9	107.4	101.6	114.1			56.8	hard rock	45.75/106.75	0.630	22.9		1958			
	311201-4	/	121.2	205/152	93.3	27.9	152.4	93.5				3 ss		1.000			1991	dry hole		
	311201-5	32° 08' 00" 18'	93.0	203/152	42.0	51.0	152.4	42.0				hard gns	12/60.7			1993	B/H capped			
	311201-2	32° 07' 00" 19'	60.6	203/152	33.3	27.3	152.4	34.0				soft rock					1991	dry hole		
	311201-3	32° 07' 00" 19'	105.0	203/152.4	30.0	75.0	152.4	30.0				2 gns					1991	B/H capped		
	311201-6	/	75.8	250.83	75.8	0.0							3 loose sand					B/H abandoned		
	AV			104.7		46.6	58.1		64.2			50.8			0.910	21.89				
MAX			152.5		93.3	118.0		114.1			56.8			1.430	26.54					
MIN			60.6		30.0	0.0		30.0			50.8			0.350	22.88					

DISTRICT		SUBCOUNTY		TOTAL		BOREHOLE DIAMETER		CASING		SCREEN		PUMP		AQUIFER		YIELD		S/C		STL		CONSTR. YEAR		CONDITION					
Mubende		Susu Ju		DWD NO.		I/II (mm)		LENGTH (m)		FROM (m)		DEPTH (m)		DEPTH (m)		LITHOLOGY		(m ³ /hr)		(g)		YEAR							
VILLAGE		PARISH		CO-ORDINATES		DEPTH (m)		DEPTH-I (m)		DEPTH-II (m)		C/D		DEPTH (m)		LITHOLOGY		(m ³ /hr)		(g)		YEAR							
/		/		E/N		61.3		254/203.2/152.4		6.1		55.2		152.4		54.0		4		18.3/33.86		0.940		1969		B/N capped			
Zigoti		Zigoti		32° 14' 00" 22'		68.6		203.2/152.4		21.4		47.3		152.4		22.9		(gr)		soft rock		32.03		0.820		1973		B/N capped	
Kiwawu		Kiwawu		/		123.8		203.2/152.4		22.9		101.0		152.4		54.9				soft rock		30.5/115.29		0.740		1958			
Kiwawu		Kiwawu		/		106.8		203.2/152.4		22.9		83.9		152.4		23.5				soft rock		28.98		1.630		1974			
Kanyanaye		Kanyanaye		32° 13' 00" 19'		60.2		17.2		47.9		30.9										11.5							
AV		AV		MAX		123.8		22.9		101.0		54.9		1.6		42.7						18.0							
MTN		MTN		/		61.3		6.1		47.3		22.9										11.9							

DISTRICT Mubende		COUNTY Kassanda		SUBCOUNTY Kassanda														
VILLAGE	DWD NO.	CO-ORDINATES	TOTAL DEPTH(m)	BOREHOLE DIAMETER I/II(mm)	DEPTH-I (m)	DEPTH-II (m)	CASING DIA (mm)	LENGTH (m)	SCREEN FROM (m)	TO (m)	PUMP DEPTH (m)	LITHOLOGY	AQUIFER DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	STL (g)	CONSTR. YEAR	CONDITION
Kasekere	313208-1	/	43.6	203.2/152.4	33.6	10.1						4 gr						B/N abandoned (dry)
Namiranga	313202-1	31° 52' 00" 32'	74.7	203.2/152.4	61.0	13.7	152.4	61.61			48.8	1 gr	50.39/	2.180		29.6	1969	
Nanabale	313207-1	31° 45' 00" 31'	30.2	203.2/152.4	21.7	8.5						4 gr						B/N abandoned (dry)
Nanabale			49.5		38.7	10.8		61.6			48.8			2.180				
AV			74.7		61.0	13.7		61.6			48.8			2.180				
MAX			30.2		21.7	8.5		61.6			48.8			2.180				
MNS																		

DISTRICT	Nubende																		
COUNTY	Kassanda																		
SUBCOUNTY	Kyanzi																		
VILLAGE	DWD NO.	CO-ORDINATES	TOTAL DEPTH (m)	BOREHOLE DIAMETER I/II (mm)	DEPTH-I (m)	DEPTH-II (m)	CASING DIA (mm)	LENGTH (m)	SCREEN FROM (m)	TO (m)	PUMP DEPTH (m)	LITHOLOGY	AQUIFER DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	STL (g)	CONSTR. YEAR	CONDITION	
Kanyira	313403-2	/	74.7	203.2/152.4	23.2	51.6	152.4	23.8			61.0			1.990			30.5	1969	
Kigalasa	313405-2	/	66.0	203/	66.0	0.0	154.0	66.0			31.8	3 sand	39/				39.5	1987	no pumping
Kyanamugara	313405-3	32° 50' 00" 26'	62.2	1219.2/152.4	40.9	21.4	152.4	11.0			32.3	clay	31.42/	3.630			7.6	1972	0-22.57m, 4ft well
Kyanamugara	313405-1	31° 53' 00" 25'	93.0	203.2/152.4	48.8	44.2	152.4	68.6	50.3	62.5		soft rock	44.2/48.8	6.130			33.6	1975	B/N capped
Myanzi	313404-1	31° 47' 00" 28'	134.2	203.2/152.4	20.7	113.5	152.4	56.7			85.4		soft rock	0.910			48.1	1972	
Kyalakaba			66.0		39.9	46.1		46.2			52.6			3.155			32.1		
AVC			134.2		66.0	113.5		68.6			85.4			6.130			49.1		
MIN			62.2		20.7	0.0		11.0			31.8			0.910			7.6		

DISTRICT Kibondo
COUNTY Mwanzi
SUBCOUNTY Kizanda

VILLAGE	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER I/O (mm)	DEPTH-I (m)	DEPTH-II (m)	CASTING LENGTH (m)	SCREEN FROM (m) TO (m)	PUMP DEPTH (m)	LITHOLOGY	DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	CONSTR. YEAR	CONDITION
/Jamitongo	313300-0	/	152.5	203.2/152.4	27.5	125.0				hard rock	76.3/	3.060		1974	
/Kavungu	313302-1	/	85.4	203.2/152.4	14.6	70.8	20.4			rock	27.45/67.1		11.80	1972	
/Kavungu	313303-3	/	24.1	203.2/152.4	22.0	2.1	152.4	23.5		4 gr				1947	B/H abandoned
/Kavungu	313301-2	31° 35' 00" 22'	183.0	203.2/152.4	29.3	153.7	152.4	29.9		soft rock	45.75	3.270	21.35	1954	data not available
/Kavungu	313301-1	31° 35' 00" 22'	183.0	203.2/152.4	31.7	151.3	152.4	32.4		soft rock	31.42/76.25	0.750	25.62	1954	data not available
/Kavungu	313303-2	31° 41' 00" 27'	60.0	203/152.4	30.0	30.0	152.4	30.0		1 amphibolite	18/45	3.000	15.00	1991	B/H capped
/Kavungu	313303-1	31° 41' 00" 27'	40.3	203.2/152.4	7.6	32.6				4 gr				1947	B/H abandoned
/Kavungu	313303-5	31° 41' 00" 27'	58.0	203.2/152.4	30.5	27.5	152.4	32.0	48.2	4 gr	31.72/	0.910	31.11	1947	
/Kavungu	313303-4	31° 41' 00" 27'	24.1	203.2/152.4	21.7	2.4				4 gr				1947	B/H abandoned
/Kavungu	313405-1	31° 50' 00" 26'	122.3	203.2/152.4	62.2	60.1	152.4	92.1	61.0	3 cong/az	48.19/	1.090	48.19	1968	
/Kavungu	313404-2	31° 47' 00" 27'	156.2	203.2/152.4	54.9	101.3				hard rock				1968	B/H abandoned
/Kavungu	313406-2	31° 54' 00" 26'	95.2	203.2/152.4	39.4	55.8	152.4	45.8	53.6	decomposed rock	34.16/	1.500	31.25	1973	Handpump replaced
/Kavungu	313407-1	31° 48' 00" 27'	102.2	203.2/152.4	49.11	53.1	152.4	49.72	48.8	soft rock	41.18/71.68	4.900	35.1	1975	
/Nalututu			98.9		32.3	66.6		39.5	52.9			2.521	26.63		
AV			183.0		62.2	153.7		92.1	61.0			4.900	48.19		
MAX			24.1		7.6	2.1		20.4	48.2			0.750	11.90		
MIN															

DISTRICT																		
Mubende																		
COUNTY																		
Kasanda																		
SUBCOUNTY																		
Bukuya																		
VILLAGE	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH(m)	BOREHOLE DIAMETER		CASING		SCREEN		PUMP		AQUIFER		YIELD (m ³ /hr)	S/C (m ³ /hr/2)	SWL (m)	CONSTR. CONDITION	
				I/II (mm)	DEPTH-I (m)	DEPTH-II (m)	LENGTH (m)	FROM (m)	TO (m)	DEPTH (m)	Type	LITHOLOGY	DEPTH (m)				YEAR	
Kasanda	313102-1	31° 49' 00" 23'	90.0	203.2/152.4	21.0	69.0	152.4	21.0				1 qz	51.6/	0.400		51.60	1991	B/H capped
Kasanda		/	152.5	203.2/152.4	9.2	143.4	152.4	44.2		61.0		soft rock	6.1/30.5	4.090		7.63	1977	
Kawerimindzi	313102-2	31° 50' 00" 41'	48.2	177.8	48.2	0.0	152.4	49.1	0.0	5.5	45.5	1 qz	41.18/	1.590		34.77	1946	
Bukuya																		
Bukuya																		
AVG			96.9		26.1	70.8		38.1		53.2				2.027		31.33		
MAX			152.5		48.2	143.4		49.1		61.0				4.090		51.60		
MIN			48.2		9.2	0.0		21.0		45.5				0.400		7.63		

DISTRICT		Mubende															
COUNTY		Mityana															
SUBCOUNTY		0															
VILLAGE /PARISH	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER I/II (mm)		CASING DIA (mm)/LENGTH (m)		SCREEN LENGTH (m)	PUMP DEPTH (m)		AQUIFER LITHOLOGY DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION of B/H	
				DEPTH-I (m)	DEPTH-II (m)	DIA (mm)	LENGTH (m)		DEPTH (m)	TIME							
Buubizi	315202-5	/	152.5	203.2/152.4	34.2	118.3	152.4	34.8			soft rock	27.45/45.75	1.230	17.99	1976	data not available	
Kabuwabo	315202-4	32° 04' /00' 22"	183.0	203.2/152.4	48.2	134.8	152.4				hard rock	40.81/76.34	0.330	52.77	1988	B/H abandoned	
Buubizi	315205-1	32° 00' /00' 25"	104.5	203.2/152.4	39.7	64.8	152.4	35.1		34.8	4 gr	27.45/	2.270	25.39	1947	pump replaced in '84	
Nansa	315202-2	32° 04' /00' 22"	106.8	203.2/152.4	17.1	89.7	152.4	17.7		50.6	4 gr	54.2/	1.360	18.30	1947		
Kabuwabo	315202-1	32° 04' /00' 22"	56.4	203.2/152.4	25.3	31.1	152.4	28.1		35.4	3 ss	30.5/	1.820	26.54	1947	pump replaced in '84	
Buubizi	315202-3	/	140.3	203.2/152.4	45.8	94.6	152.4	51.2				13.73/36.6	0.820	15.25	1977	B/H capped	
Mityana Tsh	315204-1	/	55.0	203.2/152.4	19.2	35.8	152.4	19.2			3 ss/gr	25.93/73.2	5.900	27.76	1947	data not available	
Kireku			114.1		32.8	81.3		31.0		40.3			1.961	26.3			
AVG			183.0		48.2	134.8		51.2		50.6			5.900	52.8			
MAX			55.0		17.1	31.1		17.7		34.8			0.330	15.3			
MIN																	

DISTRICT	SUB-COUNTY	VILLAGE	DWD NO.	COORDINATES	BOREHOLE DIAMETER		CASING		SCREEN LENGTH (m)	PUMP DEPTH (m)	AQUIFER		YIELD (m ³ /hr)	S/C (m ³ /hr/m)	CONSTR. YEAR	CONDITION OF B/H		
					TOTAL DEPTH (m)	DEPTH-1 (m)	DEPTH-2 (m)	DIAM (mm)			LENGTH (m)	DEPTH (m)					LITHOLOGY	DEPTH (m)
Kubende	Kityana	Kityana	315407-1	/	117.0	203.2/152.4	30.0	87.0	152.4	28.5	78.0	4	gr	21/96	0.500	21.00	1987	WDD1989
					117.0	203.2/152.4	30.0	84.0	152.4	36.0	78.0	1	qz	54/66	2.000	24.00	1987	WDD1990
					63.0	203.2/152.4	36.0	27.0	152.4	36.0	60.0	1	schist	27/39	2.000	27.00	1988	WDD1991
					75.0	203.2/152.4	31.0	44.0	152.4	31.0		4	gr	18/54	1.200	18.00	1987	WDD1988
					67.1	203.2/152.4	24.4	42.7	152.4	28.4	34.5	3	ss	30.5/	2.720	20.74	1954	CD1158
					110.7	203.2/152.4	36.3	74.4	152.4	36.3	30.8		hard rcc	29.89/65.58	1.040	3.05	1955	CD1286
					150.1	203.2/152.4	39.0	111.0	152.4	40.9		4	gr	47.41	0.410	32.94	1970	CS1288
					100.0		32.4	67.2		33.9	56.3				1.410	21.0		
					150.1		39.0	111.0		40.9	78.0				2.720	32.9		
					63.0		24.4	27.0		28.4	30.8				0.410	3.1		
Kubende	Kityana	Kityana	315407-2	/	117.0	203.2/152.4	30.0	87.0	152.4	28.5	78.0	4	gr	21/96	0.500	21.00	1987	WDD1989
					117.0	203.2/152.4	30.0	84.0	152.4	36.0	78.0	1	qz	54/66	2.000	24.00	1987	WDD1990
					63.0	203.2/152.4	36.0	27.0	152.4	36.0	60.0	1	schist	27/39	2.000	27.00	1988	WDD1991
					75.0	203.2/152.4	31.0	44.0	152.4	31.0		4	gr	18/54	1.200	18.00	1987	WDD1988
					67.1	203.2/152.4	24.4	42.7	152.4	28.4	34.5	3	ss	30.5/	2.720	20.74	1954	CD1158
					110.7	203.2/152.4	36.3	74.4	152.4	36.3	30.8		hard rcc	29.89/65.58	1.040	3.05	1955	CD1286
					150.1	203.2/152.4	39.0	111.0	152.4	40.9		4	gr	47.41	0.410	32.94	1970	CS1288
					100.0		32.4	67.2		33.9	56.3				1.410	21.0		
					150.1		39.0	111.0		40.9	78.0				2.720	32.9		
					63.0		24.4	27.0		28.4	30.8				0.410	3.1		

DISTRICT	SUB-COUNTY	COUNTY	Mubende	Kityana	VILLAGE	DWD NO.	CO-ORDINATES	TOTAL DEPTH(m)	BOREHOLE DIAMETER		CASING	SCREEN	PUMP	AQUIFER		YIELD	S/C	CONSTR. CONDITION			
									I/II (mm)	DEPTH-I (m)				DEPTH-II (m)	DIAM (mm)			LENGTH (m)	FROM (m)	TO (m)	DEPTH (m)
Kityana	Kityana	Kityana	Kityana	Kityana	Kityana	315103-1	31° 58' 00" 34'	27.5	203.2/152.4	10.7	16.8	152.4	2.1	16.7	4	gr	6.1/	2.990	2.44	1947	
								67.1	203.2/152.4	50.3	16.8	152.4	50.3	24.7		soft rock	13.75/51.55	1.820	1.83	1972	
								75.3	203.2/152.4	23.8	51.6	152.4	23.8	54.9	1	B-T	35.08/54.9/62	1.720	38.13	1985	
								56.6		28.3	28.4		25.4	32.1				2.177	14.13		
								75.3		50.3	51.6		50.3	54.9				2.990	38.13		
								27.5		10.7	16.8		2.1	16.7				1.720	1.83		
								100.0		67.2			33.9	56.3				1.410	21.0		
								150.1		111.0			40.9	78.0				2.720	32.9		
								63.0		24.4		28.4		30.8				0.410	3.1		
								117.0	203.2	152.4	87.0	152.4	28.5	78.0	4	gr	21/96	0.500	21.00	1987	WDD1989

DISTRICT Mubende
COUNTY Mityana

VILLAGE /PARISH	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER I/I (mm)		CASING DIA (mm) / LENGTH (m)		SCREEN FROM (m) TO (m)		PUMP DEPTH (m)	LITHOLOGY	AQUIFER DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	STW (m)	CONSTR. YEAR	CONDITION
				1/1 (mm)	2/1 (mm)	1/1 (mm)	2/1 (mm)	FROM (m)	TO (m)								
Sekanyonyi	315508-1	32° 08' 00" 30'	90.0								1 schist						abandoned
High S.																	
Busunju	315502-1	/	183.0	203.2/152.4	38.6	144.4	152.4	39.2		66.4	soft rock	44.23/	0.420		12.81	1957	
Busunju	315502-2	/	173.2	203.2/152.4	23.8	149.5	152.4	38.5		60.8	soft rock	38.43/122	0.350		15.86	1957	
Busunju	315508-2	32° 08' 00" 30'	68.32	254/203.2/152.4	22.88	45.4	152.4	59.17		54.9	4 gr	26.84/54	1.23		23.8	1968	
T/C																	
Kanyogora	315503-1	32° 08' 00" 34'	89.37	203.2/152.4	36.6	52.8	152.4	70.15			1 shale	76.25/	0.54		18.3	1970	B/H capped
Kageretere																	
AVG			120.8		30.5	38.0		51.8		60.7			0.6		17.7		
MAX			183.0		38.6	149.5		70.2		66.4			1.2		23.8		
MIN			68.3		22.9	45.4		38.5		54.9			0.4		12.8		

DISTRICT Mubende
COUNTY Bwekula

VILLAGE /PARISH	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER I/I (mm)		CASING DIA (mm) / LENGTH (m)		SCREEN FROM (m) TO (m)		PUMP DEPTH (m)	LITHOLOGY	AQUIFER DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	STW (m)	CONSTR. YEAR	CONDITION
				1/1 (mm)	2/1 (mm)	1/1 (mm)	2/1 (mm)	FROM (m)	TO (m)								
Kanyuma	312403-1	/	108.6	202.2/152.4	19.8	88.8	152.4	39.0		31.4		19.83/100.04	1.990		14.64	1959	abandoned
Nakasera	312401-3	/	68.6	254/203.2/152.4	31.7	38.9	203.2	33.3		38.1	4 gr	35.08/	0.730		22.88	1955	pump replaced in '85
Bugonzi	312405-1	31° 51' 00" 27'	111.6	203.2/152.4	12.2	99.4	152.4	13.1		74.4	1 B-T (gr)	32.03/94.25	0.390		9.78	1954	pump replaced in '85
Kalanga	312401-1	/	50.3	254/203.2	39.4	11.0	203.2	41.2		45.1	4 gr	35.69/38.13	2.390		35.7	1963	
Bugonzi	312404-1	31° 26' 00" 33'	114.0	203/152	33.0	81.0	152.4	25.0									data not available
Kagame	312401-2	31° 33' 00" 24'	103.4	203/152.4	25.3	78.1	152.4	25.9		50.9		59.48/94.55	0.640		26.90	1959	abandoned
Bugonzi	312401-4	31° 33' 00" 24'	139.7	203.2/152.4	40.9	98.8	152.4	18.3									(hole dry)
Kibuye																	
Bugonzi																	
AVG			90.5		28.9	70.6		28.0		48.0			1.228		20.97		
MAX			139.7		40.9	98.4		41.2		74.4			2.390		26.90		
MIN			50.3		12.2	11.0		13.1		31.4			0.390		9.76		

DISTRICT Mubende
COUNTY Buwukula
SUB-COUNTY Rasezza

VILLAGE	PARISH	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH(m)	BOREROLE DIAMETER I/II(mm)	DEPTH-I(m)	DEPTH-II(m)	CASING DIA(mm)	SCREEN LENGTH(m)	PUMP DEPTH(m)	PUMP Type	LITHOLOGY	AQUIFER DEPTH(m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. YEAR	CONDITION
Kasumba		312103-2	/	42.7	254/203.2	32.9	9.8	203.2	40.9	39.7	4	gr	30.5/	1.450		18.30	1953	
Ntungamo		312104-3	31°17'00" 27'	158.6														
Kibalinga		312103-3	31°25'00" 35'	96.1	203.2/152.4	33.6	62.5	152.4	54.6	38.7	1	B-T	109.8/137.86	0.270		73.20	1960	abandoned
Kaweri		312103-3	31°25'00" 35'	103.4	203.2/152.4	49.4	54.0	152.4	53.1	58.0	1	B-T	32.94/86.93	0.910		32.33	1959	
Lwabaabo		312105-3	31°24'00" 32'	103.4	203.2/152.4	33.0	21.0	152.4	33.0	31.8	4	gr	48.8/95/77	1.910		44.53	1960	
Kaweri		312103-1	31°25'00" 35'	54.0	203.2/152.4	21.0	84.0	152.4	24.0		4	gr	39/45	0.700		15.00	1986	
Kibalinga		312104-2	31°17'00" 29'	105.0	203.2/152.4	54.0	36.0	152.4	54.0		4	gr	24/78			31.50	1986	
Namagogo		312105-2	31°24'00" 32'	90.0	203.2/152.4	31.2	121.3	152.4	51.9	109.8			50.33/	0.410		54.90	1972	data not available
Kibalinga		312102-1	31°19'00" 34'	152.5	203.2/152.4	41.8	61.9	152.4	44.2	76.9	4	gr	46.36	0.540		42.70	1953	abandoned (dry hole)
Kabubu		312106-1	31°24'00" 32'	103.7	254/152.4	24.1	6.4	152.4	24.1	25.5	4	gr	18.3/19.8	2.180		20.44	1952	
Namagogo		312107-1	31°21'00" 27'	30.5	203.2/152.4	37.3	44.5	43.3		42.0				1.048		41.41		
Kisakenda				158.6		54.0	84.0	54.6		58.0				1.910		76.00		
Nabikela				42.7		21.0	9.8	24.0		31.8				0.270		15.00		
AVG																		
MAX																		
MIN																		

DISTRICT Mubende
COUNTY Burekula
SUBCOUNTY Kasambya

VILLAGE / PARISH	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH (m)	ROTHOLE DIAMETER I/II (mm)	DEPTH-1 (m)	DEPTH-2 (m)	CASING ID (mm)	SCREEN LENGTH (m)	PUMP DEPTH (m)	LITHOLOGY	AQUIFER DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr)	SW. CONSTR. YEAR	CONDITION
Kikume	312306-1		138.0	203.2/151.2	39.0	99.0	152.4	41.0		4 gr	126/			1972	W/L too low
Kikume	312306-1		109.8	203.2/152.4	31.1	78.7	152.4	31.4	79.3		54.9/97.6	0.680		1972	
Kasambya	312306-1		140.9	203.2/152.4	25.3	115.6	152.4	25.9	61.9		133.29/	0.500		1960	
Kasambya	312307-3		72.0	203.2/152.4	44.5	27.5	203.2	41.8	63.8	2 gr	33.55/35.08	0.910		1952	
Muyinayina	312307-2	31° 11' 00" 25'	58.9	254/203.2/152.4	16.2	42.7	152.4	44.2	46.6	2 gr	31.11	0.860		1952	
Muyinayina	312307-1	31° 11' 00" 25'	120.0	203.2/152.4	40.5	79.5	152.4	36.4	63.0	2 gr	108/			1986	
Muyinayina	312207-4	31° 11' 00" 16'	59.2	254/203.2/152.4	30.5	28.7	152.4	32.6	49.6	2 gr	30.81/	0.950		1952	
Kasambya	312304-3	31° 12' 00" 21'	54.0	203/152.4	36.0	18.0	152.4	36.0	33.0	2 gr	40/			1986	
Kasambya	312301-1	31° 11' 00" 14'	99.0	203.2/152.4	39.6	59.4	152.4	39.6	60.0		69/			1986	
Kasambya	312207-2	31° 11' 00" 16'	103.7	203.2/152.4	22.6	81.1	152.4	22.5	61.0	2 gr	94.55/96.08	1.090		1970	B/H capped
Kasambya	312304-4	31° 14' 00" 22'	102.2	152.4	102.2	0.0	152.4	12.8	61.0	2 gr	50.3/97.6	1.480		1954	
Kasambya	312308-1	31° 11' 00" 29'	67.1	254/203.2/152.4	25.9	41.2	152.4	25.9	61.0	hard rock	59.78/	0.910		1969	
Kasambya	312303-1	31° 11' 00" 21'	138.0	202.7/151.2	34.5	103.5	151.2	36.0		2 gr	120/			1986	no pump due to low W/L
Kasambya	312304-2		90.0	203/152	27.0	63.0	152.4	27.0		2 schist	21/	0.100		1963	B/H capped (dry)
Kasambya	312309-1		120.0	203/152	45.0	75.0	152.4	12.0	30.0	2 gr	5.7/80/100	0.450		1986	
Kasambya	312207-1		102.0	203/151.2	30.0	72.0	152.4	32.0	54.0	2 gr	91/	0.600		1986	
Kasambya	312207-5		78.0	203/152	33.0	45.0	152.4	22.5	42.0	1 schist	30/45	0.360		1986	
Kasambya	312207-6		90.0	203/152	24.0	66.0	203	24.0		2 gr	55/60	0.600		1986	
Kasambya	312207-7		102.0	202/151.2	33.0	69.0	152	34.2	42.0	2 gr	42/48	0.450		1986	
Kasambya	312207-8		51.0	203/152	33.0	18.0	152	33.0	45.0	hard rock	36/42	0.600		1986	
Kasambya	312207-3	31° 11' 00" 16'	108.0	203/152.4	39.0	69.0	152.4	38.0	30.0	hard rock					
Kasambya	312207-9		95.4		35.8	59.6		30.9	51.4			0.703			
AUC			140.9		102.2	115.6		44.2	79.3			1.480			
MAX			51.0		15.2	0.0		12.0	30.0			0.100			
MIN															

DISTRICT Mubende
COUNTY Buvukula

SUBCOUNTY	VILLAGE	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH(m)	BOREHOLE DIAMETER 1/11(mm)		CASING LENGTH(m)		SCREEN FROM(m) TO(m)		PUMP DEPTH(m)		PUMP Type		LITHOLOGY		YIELD (m ³ /hr)	S/C (m ³ /hr/m)	STL (m)	CONSTR. YEAR	CONDITION
					DEPTH-1(m)	DEPTH-2(m)	DEPTH-1(m)	DEPTH-2(m)	FROM(m)	TO(m)	DEPTH(m)	DEPTH(m)	DEPTH-1(m)	DEPTH-2(m)	DEPTH-1(m)	DEPTH-2(m)					
SUBCOUNTY Mubende	PARISH																				
	Kabulamulile	312601-1	31° 30' 00" 40'	49.1	203.2/152.4	34.2	15.0	152.4	42.7		42.7						0.490		20.13	1969	
	Kabulamulile	312601-2	31° 27' 00" 41'	98.5	203.2/152.4	29.6	68.9	152.4	30.2		44.8						1.140		25.93	1959	
	Kabulamulile	312601-3	32° 32' 00" 39'	100.7	254/203.2/152.4	87.9	12.7	152.4	67.4		78.6				1 qz		1.500		27.45	1954	
SUBCOUNTY Kivuluni	A/C			82.8		50.6	32.2		46.8		55.4						1.043		24.50		
	MAX			100.7		87.9	68.9		67.4		78.6						1.500		27.45		
	MIN			49.1		29.6	12.7		30.2		42.7						0.490		20.13		

DISTRICT Mubende
COUNTY Buvukula

SUBCOUNTY	VILLAGE	DWD NO.	CO-ORDINATES E/N	TOTAL DEPTH(m)	BOREHOLE DIAMETER 1/11(mm)		CASING LENGTH(m)		SCREEN FROM(m) TO(m)		PUMP DEPTH(m)		PUMP Type		LITHOLOGY		YIELD (m ³ /hr)	S/C (m ³ /hr/m)	STL (m)	CONSTR. YEAR	CONDITION
					DEPTH-1(m)	DEPTH-2(m)	DEPTH-1(m)	DEPTH-2(m)	FROM(m)	TO(m)	DEPTH(m)	DEPTH(m)	DEPTH-1(m)	DEPTH-2(m)	DEPTH-1(m)	DEPTH-2(m)					
SUBCOUNTY Kivuluni	PARISH																				
	Mujunwa	312505-1	31° 22' 00" 37'	76.0	203.2/152.4	18.0	57.0	152.4	18.0								0.970			1987	data not available
	Kiyuya	312502-1	31° 23' 00" 37'	57.0	203.2/152.4	11.0	46.0	152.4	11.0						1 qz		0.950		14.00	1987	
	Kawulile	312502-3	31° 26' 00" 39'	76.3	203.2/152.4	39.4	36.9	152.4	47.0		54.9				2 gr		1.630		33.55	1972	
	Kawulile	312502-2	31° 25' 00" 39'	64.4	254/203.2/152.4	30.5	33.9	152.4	37.3		58.0						1.270		39.65	1954	
	Kawulile	312503-1		47.1	203.2/152.4	37.5	9.6	152.4	39.1		30.4				1 schist		0.570		27.80	1946	
SUBCOUNTY Kivuluni	A/C			63.9		27.3	36.7		30.5		47.8						1.078		23.75		
	MAX			76.3		39.4	57.0		47.0		58.0						1.630		39.65		
	MIN			47.1		11.0	9.6		11.0		30.4						0.570		14.00		

A.2.3 Kiboga District

DISTRICT Kiboga

SUBCOUNTY Lwaba'a		CO-ORDINATES		BOREHOLE DIAMETER		CASING		SCREEN		PUMP		AQUIFER		YIELD		S/C		CONSTR. CONDITION	
VILLAGE	DWD NO.	E/N	DEPTH (m)	Y (m)	DEPTH-I (m)	DEPTH-II (m)	DIA (m)	LENGTH (m)	FROM (m)	TO (m)	DEPTH (m)	LITHOLOGY	DEPTH (m)	(m ³ /hr)	(m ³ /hr/m)	(m)	YEAR		
ZARISE	174404-1	/	59.2	203.2/152.4	29.0	30.2	152.4	54.9	30.5	42.7	3	sand/grv	25.93/41.18	0.600		16.78	1974	B/H capped	
Kibisi	174404-2	31°52' 00" 50'	76.28	203.2/152.4	61.0	15.3	152.4	61.31				71.7 soft rock	82.83/	1.22		50.33	1969		
Kyekubya	174404-2	31°52' 00" 50'																	
Kyekubya	GS1141		67.7		45.0	22.7		58.1						0.915		33.56			
AV			76.3		61.0	30.2		61.3						1.250		50.33			
MTN			59.2		29.0	15.3		54.9						0.600		16.78			

DISTRICT Kiboga

SUBCOUNTY Nwete		CO-ORDINATES		BOREHOLE DIAMETER		CASING		SCREEN		PUMP		AQUIFER		YIELD		S/C		CONSTR. CONDITION	
VILLAGE	DWD NO.	E/N	DEPTH (m)	Y (m)	DEPTH-I (m)	DEPTH-II (m)	DIA (m)	LENGTH (m)	FROM (m)	TO (m)	DEPTH (m)	LITHOLOGY	DEPTH (m)	(m ³ /hr)	(m ³ /hr/m)	(m)	YEAR		
Nwete	174506-3	/	70.2	203.2/152.4	36.0	34.2	152.4	36.0			2	45.8 gr/gr	37.5/	0.450		32.90	1948		
Nwete	174507-1	/	85.4	203.2/152.4	56.4	29.0	152.4	61.6				61.0	53.38/	1.590		7.63	1969		
Nwete	174506-1	31°35' 00" 57'	76.3	203.2/152.4	45.1	31.1					2	gr	42.7/	0.030		35.99	1976	B/H capped	
Nwete	174506-2	31°35' 00" 57'	145.5	203.2/152.4	39.7	105.8					1	B-T				37.60	1971	hole dry	
Nwete	174506-1	31°35' 00" 57'	124.8	203.2/152.4	38.7	86.0	152.4	39.4			2	50.8 gr	51.85/	0.454		49.72	1972		
Nwete	170000-1	31°35' 00" 57'																	
Nwete	GS1289		100.4		43.2	57.2		45.7						0.631		44.77			
AV			145.5		56.4	105.8		61.6						1.590		97.60			
MTN			70.2		36.0	29.0		36.0						0.030		7.63			

DISTRICT Kiboga

SUBCOUNTY Bukomero	VILLAGE / PARISH / PROJECT	DMD NO.	COORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER		CASING		SCREEN		PUMP DEPTH (m)	LITHOLOGY	AQUIFER DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	SWL (m)	CONSTR. CONDITION	
					2"/1 (mm)	DEPTH-1 (m)	DIA (mm)	LENGTH (m)	FROM (m)	TO (m)							YEAR	
	Nalibba /W0104-1		/	91.2	203.2/152.4	36.5	54.7	152.4	36.5		2	gr				39.04	1969	hole dry
	Kikoba /W06124		/	91.5	254/203.2/152.4	51.3	40.3	152.4	38.7			61.0	51.85	0.950				
	Kyanamuyoni /W101-1		/	91.5	254/203.2/152.4	51.3	40.3	152.4	38.7									
	Nagogo /GS1187		/	30.5	203.2/152.4	29.9	0.6	114.3	26.9		1	19.2 schist	10.68	0.680		7.63	1947	
	Bukomero /W103-1		32° 02' 00" 42'	96.1	203.2/152.4	15.3	80.8	152.4	15.9		2	gr	21.05/	0.068		19.22	1969	B/H capped
	Narvera /GS11		32° 01' 00" 44'	96.1	203.2/152.4	15.3	80.8	152.4	15.9		2	gr						
	Nagogo /GS1185		/	96.0	203.2/152.4	18.0	78.0				2	gr					1988	B/H abandoned
	Kamuzaro /W106-1		/	48.0	203.2/152.4	18.0	30.0	152.4	18.0		2	gr				12.00	1988	B/H capped
	Lusana /W101-2		/	27.0	203.2/152.4	24.0	3.0	152.4	24.4		2	gr	13.5/21/24	3.000			1987	
	Dr. Kisekka /W000-5		/	36.0	203.2/152.4	33.0	3.0	152.4	33.3		2	gr	18/27	0.800			1987	
	Faru /C02102		/	84.0	203.2/152.4	51.0	32.0	152.4	58.5		2	gr	60/75	0.800		21.00	1988	B/H capped
	Bukomero /W000-6		/	60.0	203.2/152.4	21.0	39.0	152.4	20.5		2	gr	39/51	1.200		21.00	1988	
	Outside /W02103		/	30.5	203.2/	30.5	0.0	152.4	30.5		1	gr	19.83/	0.910		17.08	1948	
	Bukomero /W000-7		/	87.0	203.2/152.4	42.0	45.0	152.4	60.0		2	gr	24/65	1.000		27.00	1988	
	Nanudu /W000-10		/	120.0	203.2/152.4	24.0	96.0	152.4	24.0		2	gneiss					1988	B/H abandoned
	Bukomero /W02106		/	28.0	203.2/152.4	21.0	7.0				2	gneiss					1988	B/H abandoned
	Nanudu /W02111		/	66.1	29.7	36.5	32.3											
	Nanudu /W000-4		/	120.0	51.3	96.0	60.0											
	Faru /W02112		/	27.0	15.3	0.0	15.9											
	AV			66.1	29.7	36.5	32.3				40.1			1.021		20.50		
	MAX			120.0	51.3	96.0	60.0				61.0			3.000		39.04		
	MIN			27.0	15.3	0.0	15.9				19.2			0.068		7.63		

DISTRICT - Kiboga

VILLAGE	DWD NO.	PROJECT	CO-ORDINATES		TOTAL DEPTH (m)	BOREHOLE DIAMETER		CASING		SCREEN	PUMP DEPTH (m)	LITHOLOGY	ACQUIFER DEPTH (m)	YIELD (m ³ /hr)	S/C (m ³ /hr/m)	STL (m)	CONSTR. YEAR	CONDITION
			E/N			I/O (mm)	DEPTH-I (m)	DEPTH-II (m)	LENGTH (m)									
Parisha	174309-1	/	/		59.78	203.2/152.4	21.4	38.4			2	gr	25.01/26.23			26.93	1972	B/H abandoned by low yield
Kavango	174309-2	/	/		117.3	203.2/152.4	17.1	100.2	35.1				22.88/62.93	1.140			1974	
Basasuta	174309-3	/	/		21.7	203.2/152.4	21.7	0.0	22.3		2	Basement	45.14/	2.490		22.88	1988	B/H capped
PS/Luvuvu	174301-1	31° 47' 00" 55"			78.0	203.2/152.4	36.0	42.0	34.0		2	gr	57/	0.800			1988	B/H abandoned dry hole
Kiboga TC/PS1765	174301-2	31° 46' 00" 55"			147.0	203.2/152.4	21.0	126.0	21.0		2	gr	18/24/36				1988	B/H abandoned dry hole
Kiboga TC/PS2110	174301-3	31° 46' 00" 55"			21.0	203.2/152.4	21.0	0.0	21.0		2	gr	25.9/	1.140		19.20	1938	no information
Kiboga TC/PS2108	174301-4	31° 46' 00" 55"			28.7	152.4/	28.7	0.0	23.8		2	gr	71.08/	0.400		21.35	1941	
Kiboga TC/PS2109	174301-5	/	/		76.3	203.2/152.4	24.7	51.5	24.7		2	gr						
Kiboga G1/174301-5	/				68.7		23.9	44.8	36.0					1.194		22.59		
Kiboga SNG/70000-1	31° 47' 00" 55"				147.0		36.0	126.0	35.1					2.490		26.93		
AV					21.0		17.1	0.0	21.0					0.400		19.20		
MAX																		
MIN																		

DISTRICT Kibara																			
SUBCOUNTY Butemba																			
VILLAGE	DMD NO.	CO-ORDINATES		TOTAL DEPTH (m)	BOREHOLE DIAMETER		Casing		SCREEN		PUMP DEPTH (m)	AQUIFER LITHOLOGY	DEPTH (m)	YIELD (m³/hr)	S/C (m³/hr/m)	SWL (m)	CONSTR. YEAR	CONDITION	
		E/N			DEPTH-I (m)	DEPTH-II (m)	DIAM (mm)	LENGTH (m)	FROM (m)	TO (m)									
Kikonda	174204-2	/		76.9	203.2/152.4	41.8	35.1	152.4	41.8		1	42.7	mudstone	23.79	2.050	15.25	1969		
Kikonda	174207-1	/		80.5	203.2/152.4	48.5	32.0	152.4	51.9		2	67.1	gr	51.85/54.9/77	0.950	32.64	1969		
Kwale																			
/Lwebisairise																			
Singo Ranch	174203-1	/		152.5	203.2/152.4	36.6	115.9	152.4	36.6				hard rock	137.25/	1.990	45.75	1974	B/H abandoned	
/Kyalagroni																			
Kalagi	174204-1	/		72.0	203.2/152.4	32.0	40.0	152.4	32.6			61.0	hard rock	47.58/	0.590	35.35	1974		
/Kikonda																			
Lwenezi	174203-1	/		81.4	203.2/152.4	51.9	29.6	152.4	52.5			42.7		15.25/	1.820	11.59	1972		
/Kikoma																			
NSPE area	174205-2	31° 49' 01" 12'		69.0	203.2/152.4	60.0	9.0	152.4	59.3		2		gr	57/60	1.200	57.00	1987		
/Kyalagroni																			
NSPE area	174205-3	31° 49' 01" 12'		78.0	203.2/152.4	60.0	18.0	152.4	59.1		2		gr	54/70	0.600		1987	B/H capped	
/Kyalagroni																			
NSPE area	174205-4	31° 49' 01" 12'		90.0	203.2/152.4	57.0	33.0	152.4	58.1		2		gr	57/63	1.500	45.00	1987	B/H capped	
/Kyalagroni																			
NSPE area	174205-5	31° 49' 01" 12'		84.0	203.2/152.4	60.0	24.0	152.4	59.2		2		gr	57/63	0.900	51.00	1987	B/H capped	
/Kyalagroni																			
Butemba	170000-1	31° 37' 01" 09'		33.6	152.4/	33.6	0.0	152.4	33.9		1		sand	32.64/	0.820	13.12	1940		
/C067																			
Avg				81.8		48.1	33.7		48.5			53.4			1.242	34.08			
MAX				152.5		60.0	115.9		59.3			67.1			2.050	57.00			
MIN				33.6		32.0	0.0		32.6			42.7			0.590	11.59			

DISTRICT Kiboga																			
SUBCOUNTY																			
VILLAGE /PARISH	DMD NO.	CO-ORDINATES E/N	TOTAL DEPTH (m)	BOREHOLE DIAMETER		DEPTH-I (m)	DEPTH-II (m)	DIA (mm)	LENGTH (m)	SCREEN		PUMP DEPTH (m)	AQUIFER		YIELD (m³/hr)	S/C (m³/hr/m)	SWL (m)	CONSTR. YEAR	CONDITION
				I/II (mm)	DEPTH-I (m)					FROM (m)	TO (m)		LITHOLOGY	DEPTH (m)					
Kiboga / /	170000-15 /NS526	/	31.1	203.2/152.4	24.4	6.7					2	2	gr						B/H abandoned
Nankandula /School	170000-16 /GS1036	/	86.9	203.2/152.4	23.8	63.1	152.4	24.4			2	2	61.0	gr	79.3	1.230	41.18	1969	
Kachwangol /	170000-17 /GS1047	/	67.1	203.2/152.4	6.4	60.7	152.4	6.7			2	2	36.6	gr	18.3/51.85	1.910	10.98	1969	
Nkulubany /	170000-9 /GS523	/	36.9	203.2/	26.9	0.0					2	2		gr	32.03			1948	B/H abandoned
Katungulu /	170000-12 /	/	23.2	203.2/152.4	12.5	10.7					2	2		gr	14.34		9.15	1948	B/H abandoned
Singo /	170000-19 /	/	90.0	203.2/152.4	36.0	54.0	152.4	37.3			1	1		gr	30/75	1.200		1987	B/H abandoned
Training/STD1848																			
AVG				55.9		23.3	32.6		22.8			48.8				1.447	20.44		
MAX				90.0		36.9	63.1		37.3			61.0				1.910	41.18		
MIN				23.2		6.4	0.0		6.7			36.6				1.200	9.15		

A.3 Water Quality Test

A.3.1 Field Test

Table A.3.1.1 Mipigi District

Sub-COUNTY	VILLAGE /PARISH	TYPE OF SOURCE	LONGITUDE LATITUDE	YIELD l/min	pH	EC μ S/cm	T° C	BACT/COL NO./mg	COLOR	ODOR	OTHERS
1. Bulu	Seeta /Nakatoke	SP PROTECT	32° 16' 18" 0° 15' 15"		5.56	75.5	22.5	0/25	clear	no	Houses are on upper slope of SP.
2. Kalamba	Kabasanda /Kabasanda	SP PROTECT	32° 11' 15" 0° 11' 18"		6.16	145.3	22.3		clear	no	Sanitary condition bad
3. Kibibi	Kibibi /Kibibi	B/H	32° 10' 43" 0° 13' 43"	8	6.45	184.5	23.5	0/0			
4. Kibibi	Gombe H/P /Gombe	B/H	32° 06' 46" 0° 10' 55"	10	6.30	191.7	23.4	0/0	rusty	no	
5. Mpenja	Mpenja D/P /Kakono	B/H	32° 03' 07" 0° 13' 20"	2	6.03	266.0	24.1	0/3	rusty		W/L going down after 10 can, for recovery takes 4 hours. Sanitation bad.
6. Mpenja	Ngomanene	SP UN-PRO	32° 00' 21" 0° 11' 48"						clear		Villagers don't want to protect SP, because God lives.
7. Mpenja	Ngomanene	B/H	31° 59' 54" 0° 11' 38"	8	5.82	78.6	23.2	0/0	clear	no	Repaired in '95 by WATSAN.
8. Kyegonza	Kanoni B/H Prison	B/H	31° 54' 24" 0° 10' 24"	9	6.34	202.4	24.6	0/1	rusty	no	Located half way of slope
9. Kyegonza	Kanoni H/C	B/H	31° 54' 16" 0° 10' 05"	12	6.23	171.6	25.5	0/0	clear	no	W/L going down after 30-40min. operation
10. Maddu	Ntalagi	B/H	31° 42' 47" 0° 10' 15"	8	6.71	320.0	25.4	0/0	rusty	no	On flood plane, water coming up after 10min. operation. In '91 repaired by WATS
11. Maddu	Maddu B	B/H	31° 40' 20" 0° 12' 27"	11	5.78	210.0	24.1	0/0	clear	no	Repaired in '95 by WATSAN
12. Maddu	Maddu A	B/H	31° 40' 20" 0° 12' 27"	6	6.55	841.0	24.7	0/2	clear	no	repaired in '94 by WATSAN
13. Kagezi	Kigezi	B/H	31° 56' 24" 0° 12' 44"	5	6.88	522.0	24.5	0/0	clear	no	'87 constructed by WATSAN
14. Kalamba	Lukaru	Gravity Scheme	32° 16' 12" 0° 15' 59"								WATSAN, pipeline 9km beneficiary 10,000
15. Kabulasoke	Kabankonyo	B/H	31° 43' 55" 0° 10' 59"								Damaged during the war, rehabilitation failed by many rocks
16. Maddu	Lwawaba	B/H	31° 31' 35" 0° 10' 54"	9	6.89	412.0	25.6	0/2	rusty	yes	
17. Kabulasoke	Kalwanga	B/H	31° 47' 26" 0° 07' 52"	18	6.25	807.0	25.5		rusty	yes	'94 repaired by WATSAN, bad sanitation, located in marsh.
18. Kabulasoke	Lubale /Butiti	SP PROTECT	31° 48' 05" 0° 07' 52"						light brown	yes	Water seeping from surface

19. Kabulasoke	Bulwadda	SP UN-PRO	31° 47' 39" 0° 10' 59"	±30					clear		Sanitation bad, sharing with animals
20. Namayumba	Namayumba /TC	B/H		12	7.10	348.0	23.6	5/3	rusty	yes	Several days ago repaired by WATSAN
21. Namayumba	Kyanuna	B/H	32° 14' 39" 0° 32' 27"								Several days ago repaired by WATSAN
22. Kiziba	Katikanu Light Coll	B/H	32° 20' 38" 0° 29' 42"	8	5.86	91.0	23.2	0/23	clear	no	Located in school yard, good sanitatio
23. Kiziba	UWESOO	B/H	32° 21' 49" 0° 30' 44"	6	6.49	148.7	23.2	0/0	rusty	no	Located in children' s village
24. Kiziba	Masulita	B/H	32° 22' 00" 0° 30' 24"		5.66	77.6	23.0	1/10	clear	no	
25. Wakiso	Wakiso	S/P PROTECT	32° 29' 01" 0° 23' 49"	5	5.41	102.7	23.2	4/2	clear	no	very bad sanitation, many houses on upper area of SP
26. Nangabo	Kitagobwa P/S	DUG WELL									Protected dug well in marsh
27. Kasangati	Kasangati D/P	B/H		enoug h					milky	yes	Under repairing, rainy season milky
28. Kasangati	Buyinje	B/H	32° 36' 06" 0° 26' 06"	17	6.13	129.5	22.8	0/0	clear	no	Private, selling 50 sh/20can
29. Kalamba	Seta	B/H	32° 37' 09" 0° 25' 29"	30	7.04	263.0	21.9	0/0	clear	no	Donated to villagers by individual. WATSA N repaired recently
30. Nangabo	Manyangwa	SP PROTECT		5	5.86	109.7	22.9	2/0			Protected by WATSAN in '94
31. Kyanbogo	Buso P/S	B/H	32° 36' 43" 0° 31' 39"	10	6.40	236.0	24.1	1/30	clear	no	
32. Ngando	Bugobango	SP PROTECT	31° 55' 16" 0° 16' 04"	±3	5.67	51.7	22.9	0/3	clear	no	Donated by a women's association
33. Ngando	Bugobango P/S	B/H	31° 54' 23" 0° 06' 57"	5	6.01	117.1	23.2	0/0	clear	no	Located on top of gentle hill, repaire d by WATSAN in '96, good sanitation
34. Ngando	Kagoro	B/H	31° 54' 56" 0° 14' 23"	7	6.22	162.4	23.4	0/5	clear	no	Pump & pipes stolen 4 years ago, WATSAN repaired in '96.
35. Kabulasoke	Mawuuki	B/H	31° 51' 57" 0° 06' 57"	13	6.02	242.5	23.7		rusty	no	
36. Wakiso	Bukasa P/S	B/H	32° 27' 54" 0° 21' 26"						rusty	no	
37. Mpigi T/C	Mpigi T/C	SP	32° 19' 51" 0° 13' 20"						clear	no	

Table A.3.1.2 Mubende District

SUB-COUNTY	VILLAGE /PARISH	TYPE OF SOURCE	LONGITUDE LATITUDE	YIELD l/min	pH	EC µS/cm	T °C	BACT/COL NO./mg	COLOR	ODOR	OTHERS
1. Kasanbya	Kirune /Kirune	B/H	31° 15' 59" 0° 24' 26"	5	7.10	433.0	22.2	0/5	light milky	muddy	sanitation bad, no drainage, waste water seeping
2. Kasanbya	Kisojo /Kasanbya	B/H	31° 14' 10" 0° 23' 02"	12	7.01	785.0	22.1	many	clear	muddy	sanitation very bad, waste water thick around B/H, by Italy
3. Kasanbya	Kasanbya /Kasanbya	B/H	31° 13' 37" 0° 22' 39"	7	6.75	393.0	23.0	0/5	light milky	no	hence broken, sanitation better
4. Kasanbya	Kiwumulo /Kabbo	B/H	31° 11' 28" 0° 19' 31"	15	7.22	1046.0	23.3	0/0	clear	no	sanitation better
5. Bagezza	Rwentuma /Busale	B/H	31° 24' 49" 0° 33' 47"	13	6.73	619.0	20.2	0/0		no	color clear, but many algae contain
6. Bagezza	Namagogo /Kisekende	B/H	34° 24' 29" 0° 32' 16"	19	6.38	215.0	22.4	0/3	rusty	yes	GS627 handle very heavy
7. Bagezza	Kabubu /Kabowa	B/H	31° 19' 07" 0° 34' 10"	13	7.32	300.0	23.0	0/3	clear	no	GS1591, rehabily in '94(U-3) & '95(U-2)
8. Bagezza	Kadoma Dam	dam			7.94	74.0	27.0		silty	yes	stop supply to Muben de by contamination
9. Madudu	Madudu P/S Catholic	B/H	31° 29' 19" 0° 40' 15"		6.53	153.0	23.3	0/0	rusty	no	W/L deep, pump heavy pad Italian style
10. Madudu	Namayindi /Kakenzi	SP Protect	31° 29' 28" 0° 41' 06"		5.45	75.4	20.8	0/25	milky	muddy	after protection, yield decreased, now reconstr. design bad
11. Bukuyu	Ndinulaba	B/H	31° 49' 34" 0° 39' 59"	13	6.47	330.0	23.5	0/0	rusty	no	recently rehab. by WATSAN, only one fun ctioning B/H in S/C
12. Kassanda	Kassanda T/C	B/H	31° 49' 20" 0° 32' 40"	8	5.74	140.3	23.3	0/0	rusty	muddy	sanitation bad, sylander broken
13. Myanzi	Myanzi /Myanzi	B/H	31° 54' 42" 0° 26' 19"	11	7.01	368.0	23.5	6/many	milky	muddy	Italian constructed, small and short pad
14. Myanzi	Katugo A /Kyanamugera	B/H	31° 50' 40" 0° 26' 41"	26	5.69	224.0	22.8	0/0	clear	muddy	located on the flood plane of Rv. Binbya
15. Kiganda	Kasowa	B/H	31° 42' 39" 0° 25' 30"	13	6.45	438.0	23.1	1/1	silty rusty	no	located on the flood plane of Rv. Binbya, leaking from pipe
16. Kiganda	Kawungera /Kawungera	B/H	31° 41' 11" 0° 26' 53"		6.26	710.0	21.3	1/5	silty rusty	muddy	located in swamp
17. Kitenge	Kizonga /Kalonga	B/H	31° 34' 14" 0° 29' 33"		6.51	410.0	22.0	3/2	clear	yes	along highway
18. Maanyi	Banda /Banda	B/H	31° 53' 37" 0° 15' 02"	18	5.71	114.8	22.4	many/0	rusty	no	rehabily in '93 by WATSAN

; Sample for laboratory test taken.

19. Businbi	Kabuwanbo /Kabuwanbo	B/H	32° 04' 06" N 0° 21' 21" E	17	6.00	80.2	22.8	2/25	clear	no	some sediment remain sanitation bad
20. Kakindu	Mwera H/C /Mwera	B/H		10	6.81	235.0	23.4	0/1	rusty	rusty	'92 constructed by W/B
21. Malangala	Zigoti /Malangala	B/H	32° 08' 54" N 0° 22' 43" E		6.29	388.0	23.0	0/10			no pad, sanitation bad, valve broken
22. Bulera	Senda /Bulera	B/H	32° 00' 33" N 0° 29' 27" E	10	6.43	168.1	22.4	many/13	clear	no	pad broken, rehabily in '92 by WATSAN
23. Burela	Kalangalo /Kalangalo T/C	B/H									rehabily '94 by WATS AN, yield very few
24. Kikandwa	Bambula /Bambula	B/H	32° 05' 28" N 0° 37' 40" E	13	6.82	320.0	23.2	/3	clear	no	'93 constructed by Italy
25. Sekanyonyi	Magara /Magara	B/H	32° 07' 25" N 0° 30' 07" E	17	6.54	227.0	23.5	/20	rusty	rusty	'92 rehabily by WATS AN,
26. Mityana	Mityana Town C.	SP Protect	32° 02' 44" N 0° 23' 47" E		5.39 4.98	252.0 94.4	22.5	/18	clear	no	located under the highway, environment
27. Mityana Town C.	Mityana /Hospital	B/H	W/L 4.60m		6.50	311.0	22.5		rusty	rusty	WD1900, W/L 4.60m
28. Mityana Town C.	Mityana /Kigogwe	B/H	W/L 6.96m								broken, sanitation very bad, toilet and houses close to B/H
29. Mityana Town C.	Mityana /Kayunga	B/H									WDD4372, broken, Italian Project
30. Mityana Town C.	Mityana /DFI	B/H	W/L 27.7m		6.94	163.6	22.0		rusty	rusty	CD1286
31. Mityana Town C.	Mityana /Prison	B/H	W/L 20.95m								CD1232, broken
32. Mityana Town C.	Mityana /Hospital	B/H	W/L 5.81m								WDD1968, broken
33. Mityana Town C.	Mityana /Police	B/H	W/L 23.11m		6.02	151.1	23.1				CD1158, working, but bearing broken
34. Mityana Town C.	Mityana /Market	B/H	W/L 11.03m								GS1238, broken, sanitation bad
35. Myanzi	Nalutuntu	B/H	31° 48' 59" N 0° 27' 06" E						rusty	no	
36. Bulera	Bbuye	B/H	32° 02' 51" N 0° 26' 51" E						rusty	no	
37. Kikandwa	Kikandwa T/C	B/H							clean	no	
38. Butologo	Buganyi	SP							clean	no	
39. Malangala	Kiwawo P/S	B/H							clean	no	

Table A.3.1.3 Kiboga District

Sub-COUNTY	VILLAGE /PARISH	TYPE OF SOURCE	LONGITUDE LATITUDE	YIELD l/min	pH	EC μ S/cm	T °C	BACT/COL NO./mg	COLOR	ODOR	OTHERS
1. Nsanbya	Kikonda /Kikonda	B/H	31° 28' 47" 1° 16' 29"	13	6.51	225.0	23.7	0/12	rusty	no	no pad, sanitation bad,
2. Butemba	Bukwiri	B/H	31° 36' 50" 1° 07' 50"	17	6.38	468.0	23.8	0/0	clear	no	sanitation bad, W/L down in dry season
3. Butemba	Training Center	B/H	31° 49' 13" 1° 12' 23"		6.25	176.0	27.9	0/0	rusty silty	no	pad broken, waste water seeping
4. Butemba	Training Center	B/H	32° 49' 23" 1° 12' 41"		7.09	345.0	26.3	2/25	rusty silty	no	WDB2069
5. Butemba	Training Center	Pond									dirty color, Ph-24
6. Butemba	Lwunagaali /Bikoma	B/H	31° 37' 57" 1° 06' 15"		6.98	593.0	23.3	0/6	clear	no	sanitation bad, Ph-25
7. Ntwetwe	Ntwetwe TC /Ndibata	B/H	31° 36' 23" 0° 56' 51"	10	7.65	387.0	26.0	0/0	clear	no	rehabily in '93 by WATSAN.
8. Ntwetwe	Kisojo /Ndibata	B/H	31° 36' 04" 0° 56' 54"	13	6.15	575.0	24.4	0/0	rusty silty	no	rehabily in '94 by WATSAN
9. Masodde	Kikolinbo /Lwansana	B/H	31° 41' 57" 0° 59' 49"		7.34	513.0	23.2	0/	clear	no	committee working, W/L down by 6-7 cans
10. Masodde	Banusuta /Luwana	B/H	31° 45' 26" 0° 54' 57"		6.55	1241.0	23.7	0/10	clear	no	sanitary good, W/L down by 8-10 cans and wait 1 hr.
11. Kibiga	Kibiga /Kibiga	SP	31° 41' 03" 0° 53' 12"	29	6.13	537.0	23.2	0/0	clear	no	'93 by WATSAN, dry season Q becomes 1/2
12. Kibiga	Kachangozi -1/Kibiga	B/H	31° 48' 10" 0° 55' 10"		6.33	6940	24.3	0/0	clear	no	sanitary good, '93 & '95 rehabily, PH-31
13. Kibiga	Kachangozi -2/Kibiga	B/H	31° 48' 17" 0° 55' 44"		6.70	1233.0	25.9	0/0	clear	no	salty, '94 constructed, located in farm, Ph-32
14. Muvanda	Nakatoke /Nbewendo	SP	31° 58' 02" 0° 42' 00"		5.81	79.2	21.3		muddy	muddy	during rain season muddy color
15. Muvanga	Wabinyira /Nabwendo	SP	31° 56' 57" 0° 41' 39"		5.75	99.5	21.3		milky	no	during rain season milky color, during dry season 1/2
16. Kiboga Town C.	Kiboga H/P	B/H									2 dry holes drilled, and cased, W/L very low
17. Kiboga Town C.	Luwunga	B/H	31° 46' 03" 0° 54' 30"		7.29	527.0	23.4		clear	no	in the valley
18. Kiboga Town C.	Reservoir for Water Supply	S/P	31° 47' 00" 0° 54' 29"								source spring, supply for H/P, tank 60m ³ , chlorination working Ph-33
19. Kiboga Town C.	Sazza	B/H	31° 46' 44" 0° 54' 27"		6.14	860.0	25.0		rusty	no	

20. Kiboga Town C.	Ginnery	B/H	31° 45' 43" 0° 55' 00"		6.35	276.0	24.1		rusty	muddy	
21. Kiboga Town C.	Kacucun Reservoir	surface water		1,200					dirty	muddy	in swamp, collecting surface water, SP is near the reservoir
22. Lwanata	Lwanata Gravity	S/P	31° 53' 27" 0° 48' 59"		5.87	18.2	23.5		clear	no	in '92, source S/P, pipeline 3.5km, beneficiary 13,000
23. Lwanata	Kibisi /Kyekumbya	B/H	31° 51' 17' 0° 52' 17'		6.55	678.0	24.3		muddy	muddy	rainy season muddy, dry season clear, GS1806
24. Bukonero	Bukonero UCB/	B/H	32° 02' 11" 0° 41' 19"		6.40	364.0	24.3		clear	no	
25. Bukonero	Bukonero HQRS	B/H	32° 02' 12' 0° 41' 18"		7.35	1401.0	26.7		milky	yes	dry hole closed, WDD2106
26. Bukonero	Katokola P/S	B/H	32° 02' 36" 0° 43' 20"		6.72	2420.0	24.8		clear	salty smell	sanitary very bad, school care taking, WDD2104

A.3.2 Laboratory Test

No.	HP-B/H-1	HP-B/H-2	MP-B/H-3	HP-B/H-4	MP-B/H-5	MP-B/H-6	HP-B/H-7	HP-B/H-8	MP-B/H-9	HP-B/H-10	HP-B/H-11	HP-B/H-12
Location	Kibibi	Gombe Hp.	Ntalagi	Maddu-B	Kipezi	Lwawaba	Namuyumba	Katikamu LC	Wakiso	Kasangati	Buso PS	
Sub-County	Kibibi	Kibibi	Maddu	Maddu	Maddu	Maddu	Namuyumba	Kiziba	Kiziba	Kasangati	Kyangogo	
Source	BH(GST04)	BH	BH	BH	BH	BH	BH	BH	BH	BH	BH	BH
Colour	None	Yellowish	Yellowish	None	None	Yellowish	Brownish	Cloudy	Yellowish	None	None	None
Odour	None	None	None	None	None	None	Rusty	None	None	None	None	None
Taste	None	None	Sl. Bitter	None	None	None	None	None	None	None	None	None
pH	7.01	6.66	7.20	6.55	7.34	7.22	6.82	5.90	6.37	5.44	6.34	6.46
Turbidity (NTU)	8.0	40.0	105.0	3.0	5.0	85.0	80.0	15.0	55.0	0.0	0.0	0.0
E.C. (µS/cm)	171.7	138.3	269.0	196.6	480.0	338.0	294.0	73.9	120.6	94.9	215.0	231.0
Alkalinity(Total)(mg/l)	79.0	58.0	81.0	26.6	82.0	132.0	128.0	36.0	45.0	17.0	70.0	79.0
Total Hard.as CaCO ₃ (mg/l)	63.09	46.04	75.02	46.63	160.27	115.94	80.14	1.35	37.51	27.28	80.14	80.14
Calcium (CaCO ₃) (mg/l)	13.64	13.64	25.58	23.87	44.33	32.40	37.51	5.12	13.78	13.64	40.92	37.51
Magnesium (Mg ⁺⁺) (mg/l)	12.01	7.87	12.01	5.53	28.16	20.29	10.35	2.97	4.55	3.31	9.53	10.35
Sodium (Na ⁺) (mg/l)	14.0	12.0	28.0	22.0	42.0	34.0	30.0	11.0	12.0	8.0	13.0	17.0
Potassium (K ⁺) (mg/l)	12.0	2.0	4.0	4.0	4.0	6.0	10.0	3.0	2.0	1.0	6.0	6.0
Iron Ferrous (Fe ⁺⁺) (mg/l)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
Total Iron (Fe ⁺⁺⁺) (mg/l)	0.94	6.68	17.36	0.40	2.37	11.32	1.00	0.55	1.05	0.99	0.05	0.07
Manganese (Mn ⁺⁺) (mg/l)	0.013	0.021	0.022	0.000	0.014	0.018	0.017	0.018	0.150	0.013	0.011	0.016
Fluorides (F ⁻) (mg/l)	0.40	0.25	0.20	0.55	0.50	0.30		0.10	0.60	0.25	0.65	
Carbonates (CO ₃ ⁻)	-	-	-	-	-	-	-	-	-	-	-	-
Bicarbonates(HCO ₃ ⁻)(mg/l)	96.30	70.70	98.74	31.69	99.96	160.91	156.03	43.88	54.86	20.72	85.33	96.30
Phosphates (PO ₄ ⁻⁻⁻) (mg/l)	0.26	0.60	0.30	0.34	0.40	0.28	0.15	0.17	0.26	0.13	0.65	0.32
Chlorides(Cl ⁻)(mg/l)	2.0	8.0	35.0	15.0	64.0	18.0	5.0	4.0	4.0	9.0	7.0	7.0
Nitrites (NO ₂ ⁻) (mg/l)	0.0090	0.0000	0.0000	0.0200	0.0010	0.0000	0.0000	0.0066	0.0198	0.0264	0.0033	0.0820
Nitrates (NO ₃ ⁻) (mg/l)	0.500	0.000	0.000	0.800	1.200	0.900	0.000	3.960	0.000	14.920	12.320	5.160
Sulphates(SO ₄ ⁻) (mg/l)	2.0	4.0	11.5	24.0	23.0	13.0	4.0	0.0	0.0	0.0	0.0	11.8
Dissolved Solid(TDS)(mg/l)	86.0	-	135.6	98.8	240.0	169.7	148.5	40.7	60.4	47.5	108.2	116.1

No.	MP-B/H-13	MP-B/H-14	MP-S/P-1	MP-S/P-2	MP-S/P-3	MB-B/H-1	MB-B/H-2	MB-B/H-3	MB-B/H-4	MB-B/H-5	MB-B/H-6
Location	Mawuki	Bukasa PS	Kabasanda	Butambala	Mpigi T.	Kasambya/C	Kimululo	Rwentama	Kabubu	Madudu PS	Ndimulaba.
Sub-County	Kabulasoke	Makiso	Mpigi	Kalamba	Mpigi T/C	Kasambya	Kasambya	Bagezza	Bagezza	Madudu	Sukuyu
Source	BH	BH(GS1257)	SP(protect)	SP(protect)	SP(protect)	BH(WD077)	BH(GS499)	BH(CD1030)	BH(GS1591)	BH(WD04328)	BH(GS1278)
Colour	Cloudy	Yellowish	None	None	None	None	Yellowish	Yellow	Sl. Yellow	Yellow	None
Odour	None	None	None	None	None	None	None	None	None	None	None
Taste	None	None	None	None	None	None	None	None	None	None	None
pH	6.78	6.49	7.10	5.77	5.60	6.73	7.30	7.01	7.53	6.79	6.45
Turbidity (NTU)	80.0	25.0	5.0	5.0	5.0	8.0	50.0	50.0	42.0	70.0	2.0
E.C. (µS/cm)	187.4	176.0	145.5	51.8	127.5	373.0	103.2	587.0	270.0	120.6	317.0
Alkalinity(Total)(mg/l)	53.0	80.0	60.0	20.0	16.0	130.0	179.0	158.0	184.0	49.0	129.0
Total Hard.as CaCO ₃ (mg/l)	47.74	61.38	56.27	22.58	47.74	127.36	375.10	225.06	100.50	23.87	93.78
Calcium (CaCO ₃) (mg/l)	13.64	34.10	37.51	11.94	15.35	73.32	173.91	76.73	54.56	22.17	59.68
Magnesium (Mg ⁺⁺) (mg/l)	8.28	6.63	4.56	2.58	7.87	13.25	48.87	36.03	11.18	0.41	8.28
Sodium (Na ⁺) (mg/l)	24.0	15.0	8.0	3.0	14.0	40.0	60.0	45.0	18.0	12.0	35.0
Potassium (K ⁺) (mg/l)	5.0	3.0	1.0	1.0	6.0	3.0	3.0	3.0	4.0	5.0	2.0
Iron Ferrous (Fe ⁺⁺) (mg/l)	0.20	0.005	0.00	0.00	0.08	0.02	0.00	0.02	0.00	0.00	0.00
Total Iron (Fe ⁺⁺⁺) (mg/l)	11.12	0.70	0.20	0.02	0.10	1.34	6.85	14.80	8.26	16.42	2.07
Manganese (Mn ⁺⁺) (mg/l)	0.022	0.010	0.013	0.024	0.180	0.015	0.016	0.016	0.017	0.030	0.020
Fluorides (F ⁻) (mg/l)	0.40	0.30	0.50	0.30	0.40	0.50	0.80	0.20	0.00	0.05	
Carbonates (CO ₃ ⁺⁺)	-	-	-	-	-	0.00	0.00	-	-	-	-
Bicarbonates(HCO ₃ ⁻) (mg/l)	64.61	97.52	73.14	24.88	19.50	158.47	218.20	182.60	199.92	59.73	157.25
Phosphates (PO ₄ ⁺⁺⁺) (mg/l)	0.65	0.20	0.10	0.11		0.00	0.00	0.22	0.40	0.25	0.35
Chlorides(Cl ⁻) (mg/l)	18.0	5.0	8.0	1.0	11.0	16.0	113.0	55.0	9.0	8.0	5.0
Nitrites (NO ₂ ⁻) (mg/l)	0.0000	0.0165	0.0160	0.0165	0.0396	0.0330	0.0000	0.0100	0.0000	0.0150	0.0000
Nitrates (NO ₃ ⁻) (mg/l)	0.009	0.000	1.000	5.720	16.720	11.000	0.000	0.000	0.000	0.000	0.300
Sulphates(SO ₄ ⁻) (mg/l)	12.5	0.0	0.0	0.0	0.0	4.0	50.0	0.0	0.0	0.0	20.0
Dissolved Solid(TDS)(mg/l)	93.7	86.2	72.8	53.2	63.9	187.6	516.0	295.0	135.0	60.4	158.0

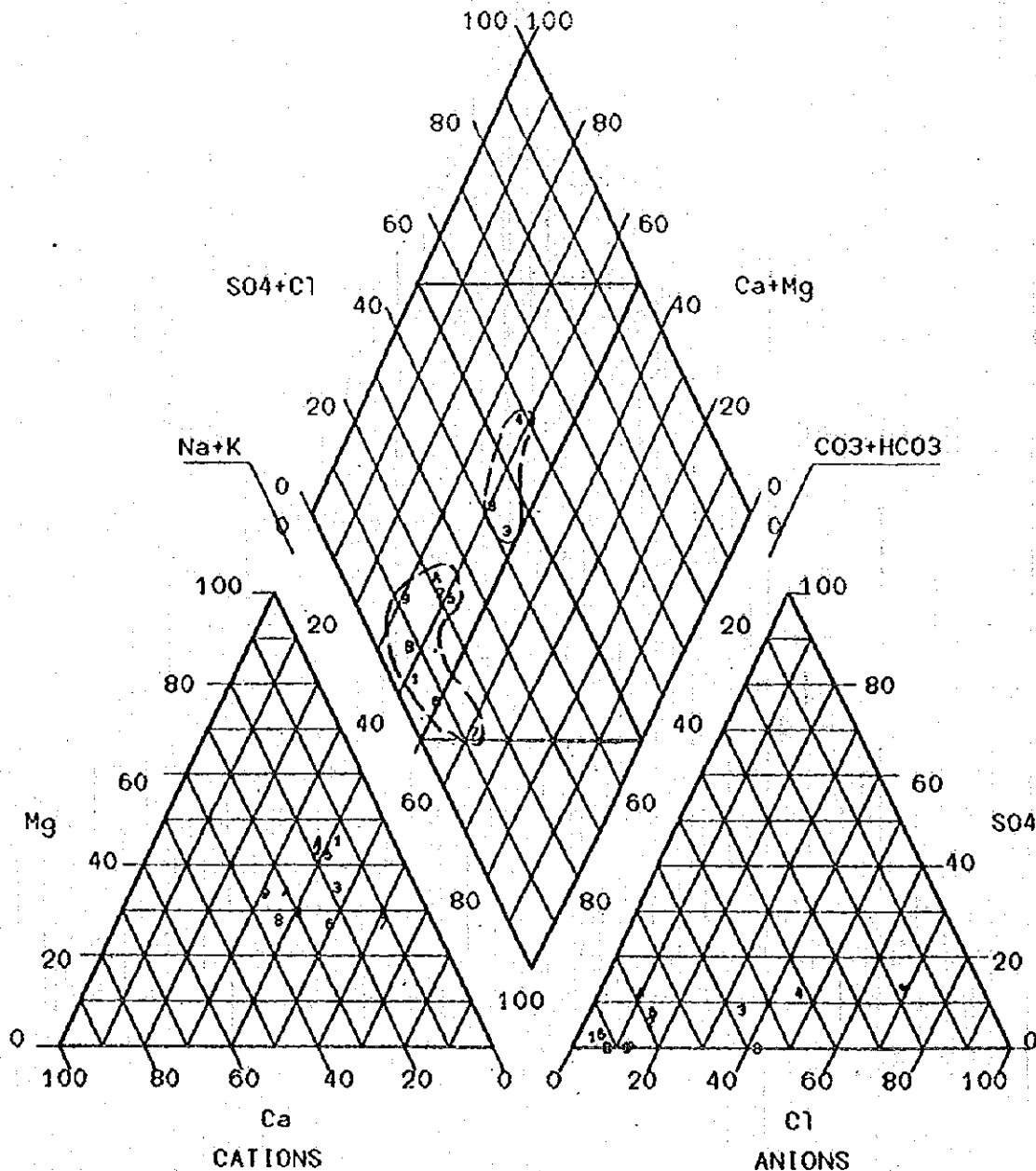
N.O.	MB-B/H-7	MB-B/H-8	MB-B/H-9	MB-B/H-10	MB-B/H-11	MB-B/H-12	MB-B/H-13	MB-B/H-14	MB-B/H-15	MB-B/H-16	MB-B/H-17
Location	Kassanda T. Hyanzi T.	Kasapo	Kawungera	Kalongo	Kabwambo	Kalungaro	Kikandwa T.	Mityana Hb.	Nalutuntu	Buaye	
Sub-County	Kassanda	Kiganda	Kiganda	Kiganda	BH(WD04337)	BH	BH(GS497)	BH(GS510)	BH(WD01990)	BH(WD04361)	BH
Source	BH(GS487)	BH(WD077)	BH	BH	Sl. Yellow	Sl. Yellow	Sl. Yellow	None	Yel. Brown	Yel. Brown	Yel. Brown
Colour	Yel. Cloudy	Yel. Brown	Sl. Yellow	Sl. Yellow	None	None	None	None	None	None	None
Odour	None	None	None	None	None	None	None	None	Rusty	Sl. Bitter	Sl. Bitter
Taste	None	Sl. Bitter	None	Sl. Salty	None	None	None	None	None	None	None
pH	5.26	6.74	6.80	6.80	7.39	5.09	5.28	6.05	5.63	6.06	6.61
Turbidity (NTU)	62.0	200.0	3.0	19.0	0.0	0.0	15.0	14.0	90.0	180.0	102.0
E.C. (µS/cm)	131.0	262.0	462.0	689.0	384.0	50.6	64.4	462.0	221.0	72.9	91.4
Alkalinity(Total)(mg/l)	30.0	90.0	96.0	93.0	145.0	6.0	19.0	77.0	70.0	55.0	57.0
Total Hard. as CaCO ₃ (mg/l)	22.17	71.61	126.17	168.80	131.29	13.64	17.05	146.63	40.92	10.23	20.46
Calcium (CaCO ₃) (mg/l)	8.53	23.87	44.33	104.00	75.02	6.82	5.12	80.14	15.35	3.42	8.53
Magnesium -(Mg ⁺⁺) (mg/l)	3.31	11.60	19.88	15.74	13.67	1.66	2.90	16.15	6.21	1.65	2.90
Sodium (Na ⁺) (mg/l)	18.0	30.0	45.0	70.0	40.0	4.0	9.0	35.0	30.0	11.0	4.0
Potassium (K ⁺) -(mg/l)	2.0	6.0	3.0	6.0	4.0	1.0	2.0	4.0	15.0	2.0	1.0
Iron Ferrous (Fe ⁺⁺) (mg/l)	0.00	0.12	0.00	0.00	0.00	0.00	0.03	0.40	0.00	0.70	0.90
Total Iron (Fe ⁺⁺⁺) (mg/l)	14.44	42.10	9.88	6.04	1.18	1.80	3.16	1.91	24.80	37.60	46.00
Manganese (Mn ⁺⁺) (mg/l)	0.024	0.030	0.021	0.010	0.017	0.048	0.060	0.022	0.026	0.046	0.016
Fluorides (F ⁻) (mg/l)	0.00	0.05	0.65	0.60	1.20	0.20	0.05	0.35	0.00	0.00	0.00
Carbonates (CO ₃ ²⁻)	-	-	-	-	-	-	-	0.00	-	-	-
Bicarbonates(HCO ₃ ⁻)(mg/l)	25.60	108.49	117.02	113.37	176.76	7.31	23.16	93.86	60.95	36.57	69.48
Phosphates (PO ₄ ³⁻) (mg/l)	0.45	0.18	0.43	0.38	0.46	0.30	0.35	0.00	0.35	0.45	0.45
Chlorides(Cl ⁻)(mg/l)	15.0	27.0	61.0	116.0	18.0	5.0	5.0	38.0	28.0	8.0	4.0
Nitrites (NO ₂ ⁻) (mg/l)	0.0600	0.0000	0.0020	0.0100	0.0010	0.0060	0.0000	0.1490	0.0200	0.0020	0.0360
Nitrates (NO ₃ ⁻) (mg/l)	2.500	0.000	3.000	0.000	3.000	3.000	0.000	35.200	0.000	0.000	0.000
Sulphates(SO ₄ ²⁻) (mg/l)	5.0	0.0	19.0	18.0	3.0	3.0	10.0	11.9	8.0	0.0	10.0
Dissolved Solid(TDS)(mg/l)	66.2	131.0	231.0	345.0	192.0	25.3	33.6	231.0	36.5	45.8	45.8

No.	MB-B/H-18	MB-S/P-1	MB-S/P-2	KB-B/H-1	KB-B/H-2	KB-B/H-3	KB-B/H-4	KB-B/H-5	KB-B/H-6	KB-B/H-7	KB-B/H-8	KB-B/H-9
Location	Kivumu SS	Namayindi	Buganyi	Kikonda	Bukwiri	Kyakwazi	Lwamagasi	Ntwetwe T.	Kisojo	Kikolimo	Bamusuta	Kachangoziti
Sub-County	Malanzala	Madudu	Buto logo	Ksamba	Buteba	Buteba	Buteba	Ntwetwe	Ntwetwe	Hasodde	Hasodde	Kibi22
Source	BH(C01982)	SP(protect)	SP(protect)	BH	BH	BH	BH(SS1417)	BH(SS1399)	BH(C065)	BH(SS1262)	BH(SS1418)	BH(SS1047)
Colour	None	None	Yel. Cloudy	Yel. Cloudy	Yellowish	Sl. Yellow	Yel. brown	None	Sl. Yellow	None	Sl. Yellow	Sl. Yellow
Odour	None	None	None	None	None	None	Rusty	None	None	None	None	None
Taste	None	None	None	None	Sl. Salty	None	Sl. Bitter	None	Sl. Salty	None	Sl. Salty	Sl. Salty
pH	6.63	5.78	4.89	6.33	6.33	6.19	6.55	7.57	6.20	7.42	6.50	6.43
Turbidity (NTU)	7.0	3.0	10.0	45.0	45.0	30.0	170.0	0.0	15.0	0.0	1.5	10.0
E.C. (µS/cm)	235.0	63.2	29.9	189.8	443.0	158.7	513.0	368.0	570.0	541.0	1262.0	689.0
Alkalinity(Total)(mg/l)	97.0	14.0	8.0	70.0	81.0	59.0	130.0	178.0	35.0	236.0	120.0	111.0
Total Hard. as CaCO ₃ (mg/l)	81.84	11.94	10.23	68.20	93.78	19.60	170.50	122.76	136.40	222.50	388.74	161.98
Calcium (CaCO ₃) (mg/l)	17.05	6.82	5.12	18.76	44.33	15.35	97.19	63.25	83.55	161.98	221.65	105.71
Magnesium (Mg ⁺⁺) (mg/l)	15.74	1.24	1.24	12.01	12.01	1.03	17.81	9.60	12.84	14.70	40.59	13.67
Sodium (Na ⁺) (mg/l)	19.0	10.0	3.0	16.0	55.0	21.0	40.0	35.0	55.0	35.0	80.0	80.0
Potassium (K ⁺) (mg/l)	2.0	5.0	1.0	25.0	100.0	25.0	50.0	50.0	100.0	50.0	100.0	12.5
Iron Ferrous (Fe ⁺⁺) (mg/l)	0.00	0.02	0.03	0.00	0.53	0.00	0.60	0.00	0.08	0.03	0.06	0.02
Total Iron (Fe ⁺⁺) (mg/l)	1.79	0.36	3.31	14.15	10.40	8.40	35.40	0.17	5.55	0.22	4.69	3.35
Manganese (Mn ⁺⁺) (mg/l)	0.019	0.024	0.060	0.015	0.023	0.030	0.022	0.015	0.048	0.013	0.100	0.021
Fluorides (F ⁻) (mg/l)	0.35	0.05	0.10	0.20	0.05	0.75	0.30	2.30	0.75	0.55	1.05	1.40
Carbonates (CO ₃ ⁻)	0.00	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bicarbonates(HCO ₃ ⁻)(mg/l)	118.24	17.07	9.75	85.33	98.74	71.92	158.47	143.84	42.67	287.68	146.28	135.31
Phosphates (PO ₄ ⁻) (mg/l)	0.04	0.25	0.00	0.42	0.45	0.28	0.30	0.20	0.45	0.35	0.35	0.03
Chlorides(Cl ⁻)(mg/l)	10.0	4.0	4.0	5.0	78.0	9.0	72.0	31.0	91.0	8.0	207.0	77.0
Nitrites (NO ₂ ⁻) (mg/l)	0.0300	0.0020	0.0000	0.0264	0.0000	0.0000	0.0198	0.0330	0.0330	0.0000	0.0396	0.0330
Nitrates (NO ₃ ⁻) (mg/l)	30.800	6.000	13.200	0.000	0.000	0.000	0.000	13.200	2.640	2.640	3.960	3.960
Sulphates(SO ₄ ⁻) (mg/l)	9.0	12.0	0.0	16.0	12.0	3.0	2.0	13.0	38.0	17.5	58.0	38.0
Dissolved Solid(TDS)(mg/l)	115.0	31.6	14.9	95.3	221.0	76.9	256.0	186.6	284.0	270.0	632.0	342.0

No.	KB-B/H-10	KB-B/H-11	KB-B/H-12	KB-B/H-13	KB-B/H-14	KB-B/H-15	KB-B/H-16	KB-S/P-1	KB-S/P-2	KB-S/P-3	KB-S/P-4	KB-S/P-5
Location	Kacwangozi 2	Luwunga	Saza HQ	Ginnery	Bukomeroro	Kalokola PS	Kasejere	Kibiga	Nakatoke	Habinyira	Kiboga R.	Kacuculi R.
Sub-County	Kibiga	Kiboga T/C	Kiboga T/C	Kiboga T/C	Bukomeroro	Bukomeroro	Lwamata	Kibiga	Huwanga	Huwanga	Kiboga T/C	Kiboga T/C
Source	BH	BH	BH	BH	BH	BH	BH	SP(protect)	SP	SP	SP	Surface W.
Colour	Yellowish	None	Sl. Yellow	Yellowish	Yellowish	Yellowish	Yel. Brown	None	Milky	Sl. Yel. Milky	None	Sl. yellow
Odour	None	None	None	None	None	None	None	None	Soapy	Soapy	None	None
Taste	Sl. Salty	None	Sl. Salty	None	Sl. Salty	Sl. Salty	Metallic	None	-	-	None	None
pH	6.67	7.44	6.33	6.36	7.30	6.85	6.98	6.17	5.90	5.95	6.40	7.42
Turbidity (NTU)	45.0	0.0	0.0	40.0	60.0	80.0	70.0	0.0	10.0	18.0	0.0	18.0
E.C. (µS/cm)	1209.0	552.0	872.0	229.0	1407.0	2440.0	325.0	527.0	71.0	96.2	190.3	506.0
Alkalinity (Total) (mg/l)	253.0	192.0	64.0	53.0	215.0	259.0	115.0	89.0	20.0	24.0	45.0	161.0
Total Hard. as CaCO ₃ (mg/l)	352.94	196.08	213.98	13.64	381.92	797.94	95.48	223.36	17.05	23.87	34.95	143.22
Calcium (CaCO ₃) (mg/l)	179.03	159.42	121.91	4.26	119.35	429.66	61.38	97.19	11.08	13.64	11.94	71.61
Magnesium (Mg ⁺⁺) (mg/l)	42.24	8.91	22.36	2.28	63.76	89.45	8.28	30.65	1.45	2.48	5.59	17.39
Sodium (Na ⁺) (mg/l)	90.0	40.0	70.0	40.0	115.0	200.0	17.0	19.0	7.0	9.0	30.0	45.0
Potassium (K ⁺) (mg/l)	150.0	3.0	6.0	3.0	4.0	5.0	2.0	30.0	2.0	1.0	5.0	4.0
Iron Ferrous (Fe ⁺⁺) (mg/l)	0.03	0.31	0.85	0.50	0.60	0.95	0.25	0.00	0.20	0.50	0.55	0.50
Total Iron (Fe ⁺⁺⁺) (mg/l)	10.30	1.35	4.86	10.35	11.80	10.05	20.35	0.12	1.27	2.11	0.53	4.50
Manganese (Mn ⁺⁺) (mg/l)	0.020	0.011	0.019	0.018	0.006	0.013	0.023	0.012	0.013	0.011	0.005	0.007
Fluorides (F ⁻) (mg/l)	0.60	1.35	0.85	0.05	0.60	0.95	0.25	1.00	0.20	0.50	0.55	0.50
Carbonates (CO ₃ ⁻)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bicarbonates (HCO ₃ ⁻) (mg/l)	308.41	234.05	78.02	64.61	262.09	317.72	140.19	108.49	24.38	29.26	54.86	196.26
Phosphates (PO ₄ ⁻) (mg/l)	0.25	0.25	0.30	0.36	0.20	0.30	0.25	0.35	0.40	10.00	0.30	0.50
Chlorides (Cl ⁻) (mg/l)	212.0	21.0	146.0	26.0	309.0	507.0	19.0	27.0	3.0	5.0	12.0	57.0
Nitrites (NO ₂ ⁻) (mg/l)	0.3960	0.0200	0.1980	0.0990	0.0000	0.0500	0.0066	0.0165	0.0070	0.0330	0.0330	0.0070
Nitrates (NO ₃ ⁻) (mg/l)	0.000	17.600	26.400	0.000	0.000	0.000	0.000	8.800	0.000	0.000	9.680	0.000
Sulphates (SO ₄ ⁻) (mg/l)	21.0	18.0	32.0	12.0	51.0	10.0	10.0	52.0	5.0	10.0	18.0	8.0
Dissolved Solid (TDS) (mg/l)	614.0	276.0	436.0	115.4	704.0	1221.0	163.2	265.0	35.5	48.1	95.4	253.0

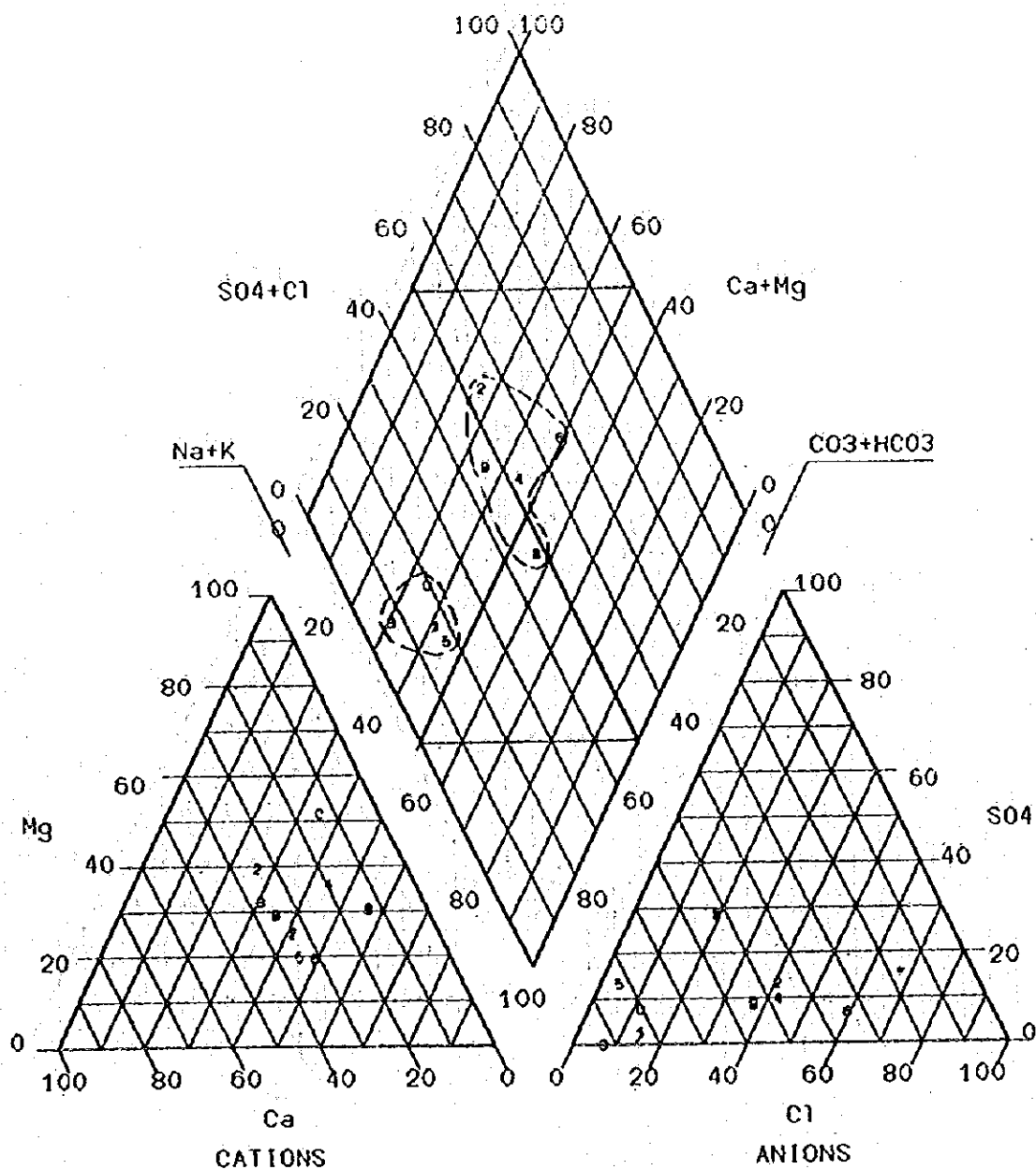
A.3.3 Trilinear Diagram

Project : RURAL WATER SUPPLY
Organization : JICA/DWD



Label	Seq.No	Sample Identification
1	1	MP/BH-1
2	2	MP/BH-2
3	3	MP/BH-3
4	4	MP/BH-5
5	5	MP/BH-6
6	6	MP/BH-7
7	7	MP/BH-8
8	8	MP/BH-10
9	9	MP/BH-11
A	10	MP/BH-12
B	11	MP/BH-14

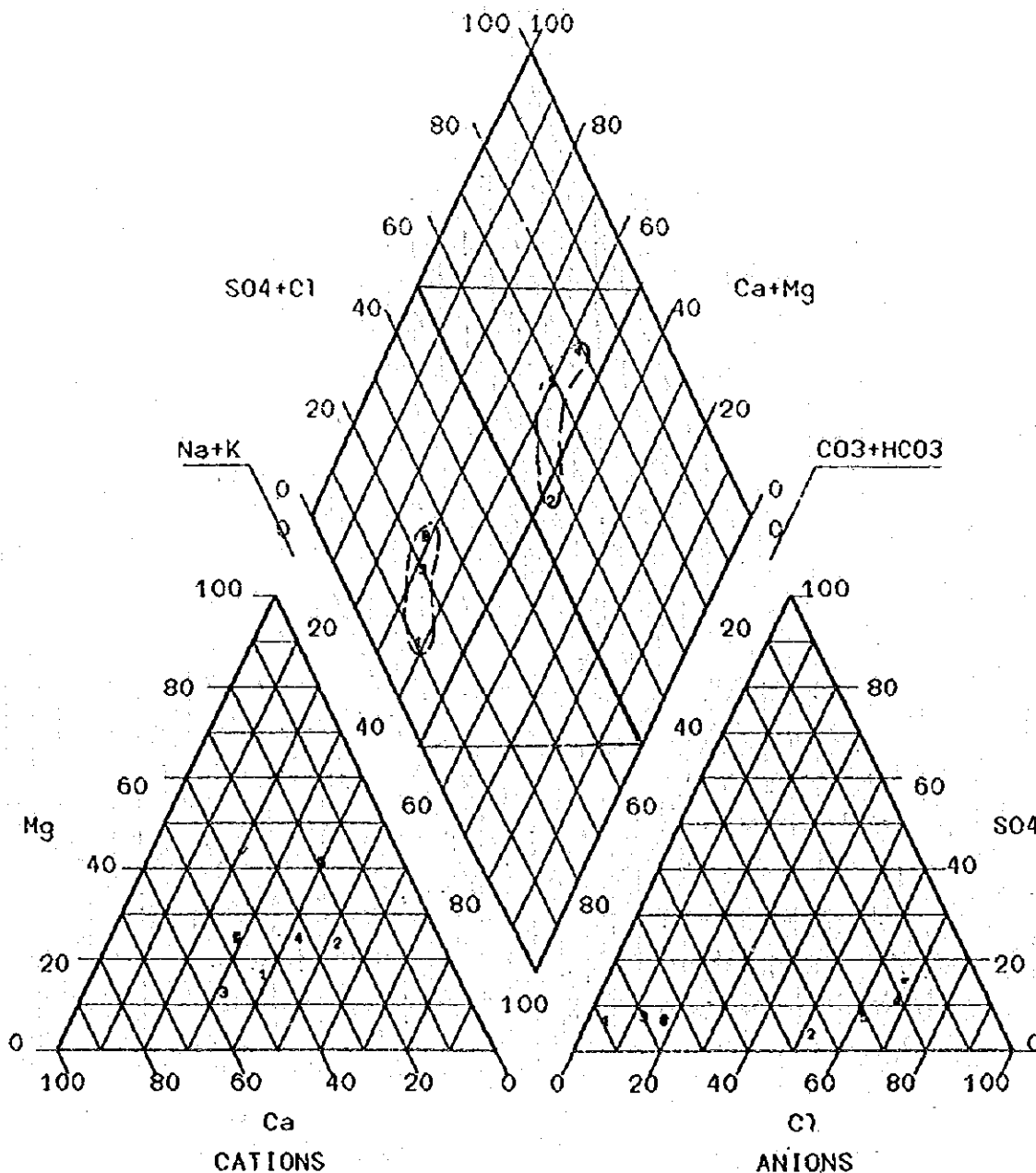
Project : RURAL WATER SUPPLY
Organization : JICA/DWD



Label	Seq.No	Sample Identification
1	1	MB/BH-1
2	2	MB/BH-2
3	3	MB/BH-4
4	4	MB/BH-9
5	5	MB/BH-6
6	6	MB/BH-10
7	7	MB/BH-11
8	8	MB/BH-13
9	9	MB/BH-14
A	8	MB/BH-13
B	9	MB/BH-14
C	10	MB/BH-18

MUBENDE BORRHOLE WATER QUALITY

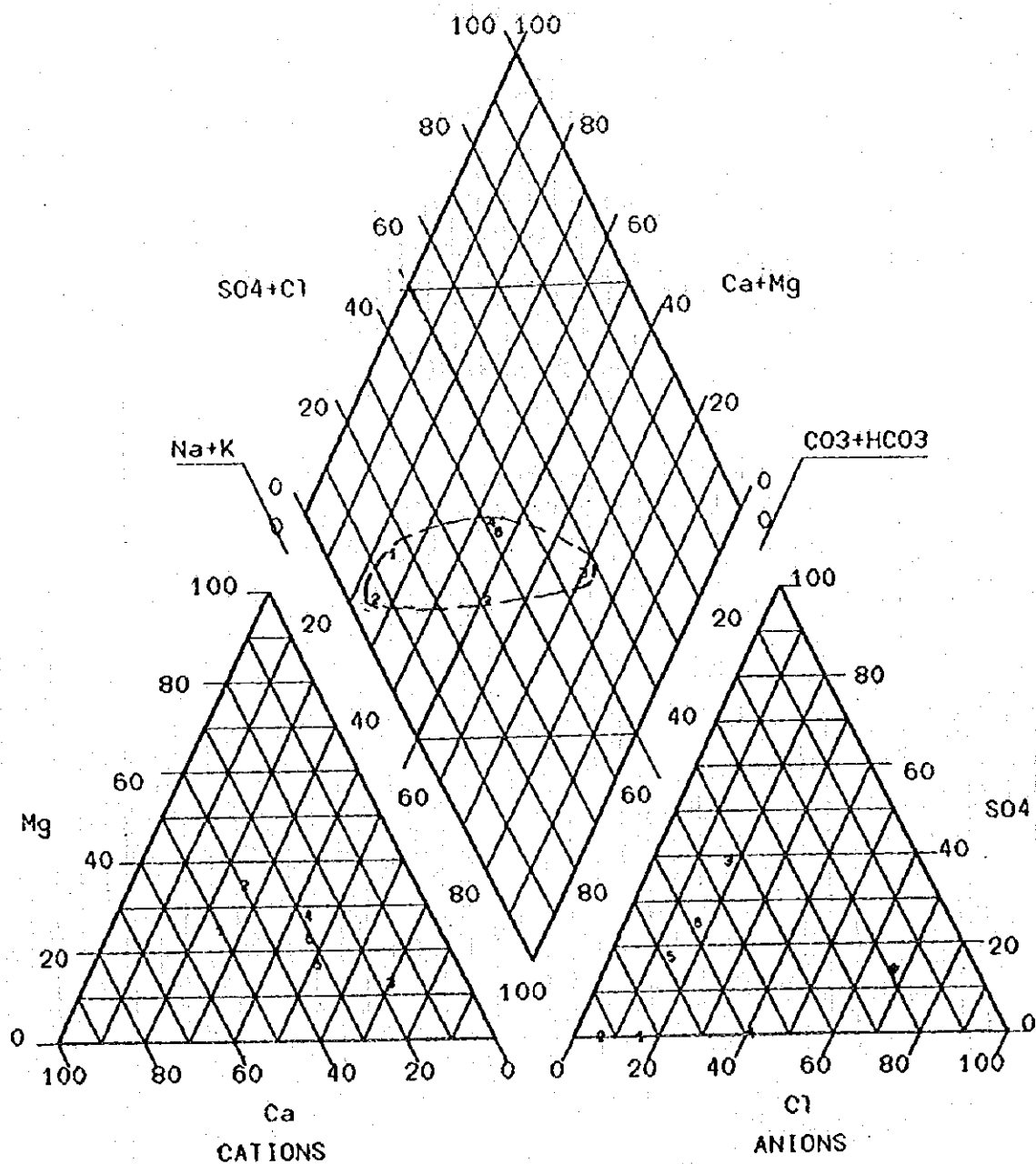
Project : RURAL WATER SUPPLY
Organization : JICA/DWD



Label	Seq.No	Sample Identification
1	11	KB/BH-7
2	12	KB/BH-10
3	13	KB/BH-11
4	14	KB/BH-12
5	16	KB/BH-14
6	18	KB/BH-16
7	20	KB/BH-16
8	22	KB/BH-16

KIBOGA BORRHOLE WATER QUALITY

Project : RURAL WATER SUPPLY
 Organization : JICA/DWD



Label	Seq. No	Sample Identification
1	4	MP/SP-1
2	5	MP/SP-2
3	6	MB/SP-1
4	7	MB/SP-2
5	8	KB/SP-2
6	9	KB/SP-3

SPRING WATER QUALITY