

タンザニア連合共和国
水 省

タンザニア連合共和国
タボラ州地方給水・衛生計画
策定支援プロジェクト

最終報告書

データ集

平成 23 年 5 月
(2011年)

独立行政法人
国際協力機構 (JICA)

株式会社地球システム科学
日本テクノ株式会社
国際航業株式会社

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データ集 A

既存井戸インベントリー

List of Existing Boreholes in Tabora Region

No.	Data Source(*)	BH No	District/ Municipality	Location/·Village	Latitude(*2)	Longitude(*2)	Depth (m)	S.W.L (m)	Yield (m ³ /h)	Geological Unit(*3)
1	TW	IG-012BH1	Igunga	Buhekela	-4.773163	33.707606	70.00	-	0	I.R.
2	IDB	TB-29/2	Igunga	Busomeke	-4.526330	33.466870	5.00	3.53	-	I.R.
3	IDB	TB-20	Igunga	Chibiso	-3.980950	33.545280	13.00	2	-	M.S.
4	IDB	260/61	Igunga	Choma	-4.023530	33.348410	61.90	30.5	1.8	O.A.I.
5	WMP	111/70	Igunga	Chuma cha nkola	-4.022295	33.348638	117.40	40.2	6.2	O.A.I.
6	WMP	15/79	Igunga	Ibologero	-4.230690	33.472170	85.30	2.8	0.9	I.R.
7	WMP	34/79	Igunga	Ibologero	-4.231209	33.470376	118.60	0.9	-	I.R.
8	WMP	42/79	Igunga	Ibologero	-4.231209	33.470376	34.20	0.6	5.7	I.R.
9	TW	IG-007BH1	Igunga	Igumo	-4.563704	33.459885	80.00	-	15.2	I.R.
10	IDB	TB-1	Igunga	Igunga	-4.279300	33.877640	12.00	6.21	-	L.B.
11	IDB	TB-1	Igunga	Igunga	-4.260850	33.891950	7.20	5.58	-	O.A.I.
12	IDB	226/97	Igunga	Itunduru	-4.137310	33.649760	34.00	3	-	L.B.
13	IDB	TB-22/1	Igunga	Itunduru	-4.137170	33.649300	-	-	-	L.B.
14	TW	IG-033BH1	Igunga	Kagongwa	-4.039833	33.659683	82.00	-	0	L.B.
15	IDB	74/2002	Igunga	Kalemela/·Isenegeja	-4.539740	33.451260	5.00	-	-	I.R.
16	WMP	164/78	Igunga	Kininginila	-4.067064	33.932420	82.00	8.6	-	L.B.
17	IDB	TB-4	Igunga	Lugumbi	-4.560000	33.873840	6.50	3.8	-	O.A.I.
18	IDB	265/97	Igunga	Majengo	-4.604690	33.444310	15.00	5	-	I.R.
19	DDCA	265/1997	Igunga	Majengo?	-4.601270	33.444510	-	-	-	I.R.
20	MoW	140/90	Igunga	Makomero	-4.299850	33.982130	12.00	3	-	O.A.I.
21	IDB	26/2003	Igunga	Malinje	-4.041100	33.505450	50.00	13.42	4	M.S.
22	IDB	TB-21/1	Igunga	Malinje	-4.041100	33.505490	36.00	-	-	M.S.
23	MoW	265/97	Igunga	Masengo	-4.604690	33.444310	15.00	5	-	I.R.
24	DDCA	310/2002	Igunga	Matinje	-4.031990	33.466910	100.00	-	0	M.S.
25	DDCA	311/2002	Igunga	Matinje	-4.031990	33.466910	80.00	-	0	M.S.
26	DDCA	16/2003	Igunga	Matinje	-4.031990	33.466910	53.00	13.42	4	M.S.
27	DDCA	801/2005	Igunga	Matinje	-4.031990	33.466910	80.00	-	0	M.S.
28	DDCA	16/2003	Igunga	Matinje ·(M/S N.D.C)	-4.041100	33.505450	50.00	13.42	4	M.S.
29	WMP	169/78	Igunga	Mbutu	-4.234451	33.896576	21.00	-	-	L.B.
30	MoW	141/90	Igunga	Mgongoro	-4.389160	34.046210	30.00	24	-	A.I.
31	IDB	242/97	Igunga	Movofuke	-4.332690	33.537150	15.00	2.5	1.2	I.R.
32	WMP	225/76	Igunga	Nanga	-4.257338	33.619074	47.27	-	-	M.S.
33	WMP	268/76	Igunga	Nanga	-4.257341	33.616371	47.27	-	-	M.S.
34	IDB	TB-12	Igunga	Nanga	-4.275240	33.605370	-	-	-	M.S.
35	IDB	TB-13	Igunga	Nguvumoja	-4.418560	33.855910	-	17.67	-	M.S.
36	WMP	1/79	Igunga	Nkinga	-4.409446	33.435336	73.80	2.5	13	I.R.
37	IDB	32/98	Igunga	Nkinga	-4.411070	33.431590	40.00	1	5	I.R.
38	WMP	48/79	Igunga	Nkinga	-4.409446	33.435336	11.30	2	-	I.R.
39	DDCA	301/1997	Igunga	Nkinga	-4.418140	33.438460	15.00	2.6	-	I.R.
40	WMP	4/76	Igunga	Nkinga Hospital	-4.409446	33.435336	213.40	21.3	0.2	I.R.
41	WMP	148/78	Igunga	Nyandekwa	-4.251057	33.552389	90.50	20	2	M.S.
42	WMP	49/79	Igunga	NyandekwA	-4.251057	33.552389	30.50	-	-	M.S.
43	WMP	50/79	Igunga	NyandekwA	-4.251056	33.553290	23.80	-	-	M.S.
44	WMP	51/79	Igunga	NyandekwA	-4.251055	33.554191	25.90	-	-	M.S.
45	DDCA	514/2005	Igunga	Nyandekwa	-4.241170	33.513310	38.00	-	0	I.R.
46	WMP	160/78	Igunga	Sakamaliwa	-4.066935	34.037813	91.10	7	-	O.A.I.
47	IDB	81/79	Igunga	Simbo	-4.658270	33.426520	60.00	29.3	-	O.A.I.
48	IDB	TB-18	Igunga	Tambalala	-4.640180	33.510520	60.00	-	-	I.R.
49	WMP	181/78	Igunga	Ulaya	-4.376894	33.408279	82.00	-	-	I.R.
50	IDB	364/99	Igunga	Ulaya	-4.378930	33.450950	22.00	-	-	I.R.
51	IDB	203/81	Igunga	Ussongo	-4.302330	33.494210	36.58	4.27	1.8	I.R.
52	IDB	TB-15/1	Igunga	Ussongo	-4.291670	33.485580	40.00	-	-	I.R.
53	WMP	137/78	Igunga	Ziba	-4.224028	33.366748	90.50	24.9	-	O.A.I.
54	WMP	144/78	Igunga	Ziba	-4.224027	33.367649	58.50	25.3	-	O.A.I.
55	WMP	52/79	Igunga	Ziba	-4.236673	33.407303	16.80	5	-	I.R.
56	IDB	61/79	Igunga	Ziba	-4.237640	33.406140	12.19	4.57	-	I.R.
57	WMP	-	Igunga	ziba	-4.237577	33.407304	9.70	3	-	I.R.
58	WMP	-	Igunga	Ziba	-4.236677	33.399193	4.60	2.4	-	I.R.
59	DDCA	795/2004	Nzega	Bujulu	-4.017660	33.204150	62.00	35.23	3.96	M.S.
60	WMP	23/60	Nzega	Bukene	-4.217771	32.873846	64.00	18	3.2	I.R.
61	DDCA	300/2007	Nzega	Gulyambi	-4.524000	32.767840	54.00	5	0.2	I.R.
62	DDCA	620/2008	Nzega	Ibelfinga	-4.664830	32.952070	72.00	-	-	I.R.
63	DDCA	295/2003	Nzega	Iboja	-3.932200	32.938420	52.00	-	2.1	I.R.
64	DDCA	168/1998	Nzega	Idala	-4.190860	33.202630	41.00	4	-	I.R.
65	DDCA	835/2008	Nzega	Igoja	-3.932200	32.938420	80.00	-	-	I.R.
66	IDB	130/75	Nzega	Ilagaja	-4.011270	33.093830	42.98	3.3	4.5	M.S.
67	IDB	TB-35/2	Nzega	Ilagaja	-4.012350	33.095430	-	-	-	M.S.
68	DDCA	667/2004	Nzega	Isagenhe	-4.339390	32.895610	82.50	24.8	2.829	I.R.
69	DDCA	607/2008	Nzega	Isagenhe	-4.339390	32.895610	100.00	-	-	I.R.
70	DDCA	613/2008	Nzega	Isagenhe	-4.339390	32.895610	73.84	-	-	I.R.
71	DDCA	799/2004	Nzega	Isanga	-4.053050	33.198110	80.00	76	0	M.S.
72	DDCA	800/2004	Nzega	Isanga	-4.053050	33.198110	58.00	28.62	2.933	M.S.
73	DDCA	801/2004	Nzega	Isanga	-4.053050	33.198110	58.00	39.2	9.9	M.S.
74	TW	NZ-047BH1	Nzega	Isanga	-4.064059	33.215416	85.00	2.05	3.7	M.S.
75	TW	NZ-047BH2	Nzega	Isanga	-4.063932	33.216488	80.00	6.17	3	M.S.
76	DDCA	815/2008	Nzega	Itilo	-4.270100	33.175700	25.00	-	-	I.R.
77	IDB	TB-38/1	Nzega	Kabale	-3.962510	33.130130	60.00	48.5	-	O.A.I.
78	DDCA	293/2003	Nzega	Kanolo	-3.997540	33.172680	68.00	4	15.84	O.A.I.
79	DDCA	294/2003	Nzega	Kanolo	-3.997540	33.172680	65.00	-	2	O.A.I.
80	DDCA	297/2003	Nzega	Kanolo	-3.997540	33.172680	64.00	4.85	15.84	O.A.I.
81	DDCA	832/2008	Nzega	Kigandu	-4.657510	32.989220	42.00	-	0.6	I.R.
82	DDCA	298/2006	Nzega	Kikonoka	-4.564710	32.672500	62.00	15.62	2.7	I.R.
83	DDCA	775/2006	Nzega	Kikonoka	-4.564710	32.672500	49.00	-	0.7	I.R.
84	DDCA	778/2006	Nzega	Kikonoka	-4.564710	32.672500	-	-	-	I.R.

List of Existing Boreholes in Tabora Region

No.	Data Source(*)	BH No	District/ Municipality	Location/ Village	Latitude(*2)	Longitude(*2)	Depth (m)	S.W.L. (m)	Yield (m ³ /h)	Geological Unit(*3)
85	DDCA	781/2006	Nzega	Kikonoka	-4.564710	32.672500	55.00	3.2	0.6	I.R.
86	DDCA	776/2007	Nzega	Kikonoka	-4.564710	32.672500	45.00	2.45	0.8	I.R.
87	DDCA	779/2007	Nzega	Kikonoka	-4.564710	32.672500	73.00	6	0.6	I.R.
88	DDCA	780/2007	Nzega	Kikonoka	-4.564710	32.672500	61.00	-	0	I.R.
89	DDCA	9/2009	Nzega	Kilino	-4.179440	32.813410	32.00	-	-	I.R.
90	DDCA	8/2009	Nzega	Kipilimuka	-4.427280	33.008420	32.00	-	-	I.R.
91	WMP	10/79	Nzega	Kitangili	-4.211414	33.232481	90.50	3.1	0.6	I.R.
92	WMP	19/79	Nzega	Kitangili	-4.211414	33.232481	26.50	19.8	-	I.R.
93	WMP	47/79	Nzega	Kitangili	-4.211413	33.235184	33.50	13.7	-	I.R.
94	DDCA	708/2006	Nzega	Mambali	-4.537990	32.688280	68.00	-	0.57	I.R.
95	DDCA	709/2006	Nzega	Mambali	-4.537990	32.688280	43.00	3.9	1	I.R.
96	DDCA	710/2006	Nzega	Mambali	-4.537990	32.688280	68.00	3.98	0.947	I.R.
97	DDCA	734/2006	Nzega	Mambali	-4.537990	32.688280	49.00	4	1.09	I.R.
98	DDCA	773/2006	Nzega	Mambali	-4.537990	32.688280	36.00	-	0	I.R.
99	DDCA	774/2006	Nzega	Mambali	-4.537990	32.688280	36.00	-	0	I.R.
100	DDCA	777/2006	Nzega	Mambali	-4.537990	32.688280	80.00	9.34	0.68	I.R.
101	DDCA	782/2006	Nzega	Mambali	-4.537990	32.688280	78.00	-	0	I.R.
102	DDCA	785/2006	Nzega	Mambali	-4.537990	32.688280	54.00	4.34	2.4	I.R.
103	DDCA	783/2007	Nzega	Mambali	-4.537990	32.688280	46.00	3	3.6	I.R.
104	DDCA	784/2007	Nzega	Mambali	-4.537990	32.688280	65.00	8	6.3	I.R.
105	DDCA	111/2008	Nzega	Mambali	-4.537990	32.688280	34.20	-	-	I.R.
106	DDCA	112/2008	Nzega	Mambali	-4.537990	32.688280	45.23	-	-	I.R.
107	DDCA	113/2008	Nzega	Mambali	-4.537990	32.688280	51.80	-	-	I.R.
108	DDCA	114/2008	Nzega	Mambali	-4.537990	32.688280	42.75	-	-	I.R.
109	DDCA	816/2008	Nzega	Mbagwa	-4.579050	33.101520	40.00	-	-	I.R.
110	DDCA	41/2007	Nzega	Mbutu	-4.392590	32.783250	45.00	6	2	I.R.
111	DDCA	291/2007	Nzega	Mbutu	-4.392590	32.783250	65.00	8	2.5	I.R.
112	DDCA	495/2007	Nzega	Mbutu	-4.392590	32.783250	43.00	-	0	I.R.
113	IDB	18/62	Nzega	Miguwa	-4.186550	33.297610	41.80	0.44	6	I.R.
114	IDB	467/2005	Nzega	Miguwa	-4.181720	33.315070	36.00	6.9	5	I.R.
115	IDB	TB-33/2	Nzega	Miguwa	-4.207940	33.285420	7.00	5.12	-	I.R.
116	DDCA	606/2008	Nzega	Miguwa	-4.206960	33.300710	48.28	-	-	I.R.
117	IDB	506/2000	Nzega	Mwaguguli	-4.057240	33.028300	-	10.4	-	O.Ai.
118	IDB	62/72	Nzega	Mwaguguli	-4.038380	33.030140	45.72	4.88	2.7	M.S.
119	DDCA	605/2008	Nzega	Mwakashanhala	-4.654980	33.078420	80.00	-	-	I.R.
120	DDCA	612/2008	Nzega	Mwakashanhala	-4.654980	33.078420	47.16	-	-	I.R.
121	DDCA	614/2008	Nzega	Mwakashanhala	-4.654980	33.078420	57.66	-	-	I.R.
122	DDCA	797/2004	Nzega	Mwaluzwilo	-4.025490	33.217900	80.00	19.5	5.28	M.S.
123	DDCA	798/2004	Nzega	Mwaluzwilo	-4.025490	33.217900	70.00	30.02	1.1	M.S.
124	DDCA	668/2004	Nzega	Mwamikola?	-3.963590	33.141980	100.00	66.24	5.657	O.Ai.
125	WMP	107/78	Nzega	Nata	-4.079353	33.137844	69.20	-	-	M.S.
126	WMP	124/78	Nzega	Nata	-4.079353	33.137844	53.90	1.1	2.3	M.S.
127	WMP	125/78	Nzega	Nata	-4.099256	33.136946	63.10	0.8	4	I.R.
128	WMP	16/79	Nzega	Nata	-4.083877	33.137845	35.50	0.7	-	M.S.
129	WMP	17/79	Nzega	Nata	-4.085685	33.141449	33.50	3.2	-	M.S.
130	WMP	18/79	Nzega	Nata	-4.085685	33.140548	44.20	-	-	M.S.
131	WMP	190/78	Nzega	Nata	-4.078448	33.139646	45.70	1.8	-	M.S.
132	WMP	191/78	Nzega	Nata	-4.083877	33.137845	38.70	1	-	M.S.
133	DDCA	124/1978	Nzega	Nata?	-4.027080	33.131830	54.86	5.18	1.9	M.S.
134	WMP	267/76	Nzega	Ndala	-4.756929	33.232653	106.70	21.3	14.7	I.R.
135	DDCA	333/2007	Nzega	Nkindu	-4.461930	32.826130	45.00	-	-	I.R.
136	DDCA	479/2008	Nzega	Nkindu	-4.461930	32.826130	50.00	1.1	3.5	I.R.
137	DDCA	480/2008	Nzega	Nkindu	-4.461930	32.826130	50.00	-	0	I.R.
138	IDB	115/2003	Nzega	Nsojo	-3.955310	32.867890	70.50	45.45	-	M.S.
139	WMP	18/71	Nzega	Nzega Town	-4.220473	33.187429	99.00	1.6	6.81	I.R.
140	DDCA	78/2003	Nzega	Sojo	-3.946850	32.857150	62.00	5.33	1.8	M.S.
141	DDCA	79/2003	Nzega	Sojo	-3.946850	32.857150	52.00	10.2	3.6	M.S.
142	DDCA	80/2003	Nzega	Sojo	-3.946850	32.857150	75.00	36.82	1.5	M.S.
143	DDCA	81/2003	Nzega	Sojo	-3.946850	32.857150	68.00	6.1	3.6	M.S.
144	DDCA	82/2003	Nzega	Sojo	-3.946850	32.857150	65.00	2.5	2.2	M.S.
145	DDCA	83/2003	Nzega	Sojo	-3.946850	32.857150	90.00	4.9	3.5	M.S.
146	DDCA	84/2003	Nzega	Sojo	-3.946850	32.857150	90.00	4.4	12	M.S.
147	DDCA	85/2003	Nzega	Sojo	-3.946850	32.857150	78.00	12.42	12	M.S.
148	DDCA	115/2003	Nzega	Sojo	-3.946850	32.857150	78.00	5.45	-	M.S.
149	DDCA	116/2003	Nzega	Sojo	-3.946850	32.857150	70.00	2.42	5.28	M.S.
150	DDCA	117/2003	Nzega	Sojo	-3.946850	32.857150	73.00	-	-	M.S.
151	DDCA	118/2003	Nzega	Sojo	-3.946850	32.857150	55.00	-	-	M.S.
152	DDCA	119/2003	Nzega	Sojo	-3.946850	32.857150	72.00	46.98	15.8	M.S.
153	DDCA	120/2003	Nzega	Sojo	-3.955310	32.867890	66.00	-	-	M.S.
154	DDCA	121/2003	Nzega	Sojo	-3.946850	32.857150	63.00	-	-	M.S.
155	DDCA	122/2003	Nzega	Sojo	-3.946850	32.857150	61.00	-	-	M.S.
156	WMP	84/75	Nzega	Tezengwa	-4.240376	33.188335	57.70	6.69	-	I.R.
157	IDB	191/81	Nzega	Uchama	-4.184960	33.178850	42.67	2.44	4.5	I.R.
158	DDCA	809/2008	Nzega	Ugembe li	-4.592260	32.973360	72.00	2.8	1.5	I.R.
159	DDCA	810/2008	Nzega	Ugembe li	-4.592260	32.973360	66.00	21.2	0.8	I.R.
160	DDCA	811/2008	Nzega	Ugembe li	-4.592260	32.973360	66.00	4	0.7	I.R.
161	DDCA	812/2008	Nzega	Ugembe li	-4.592260	32.973360	66.00	5.5	2	I.R.
162	DDCA	813/2008	Nzega	Ugembe li	-4.592260	32.973360	60.00	20.8	0.6	I.R.
163	IDB	257/76	Nzega	Uhemeli	-4.758710	33.239490	106.88	21.33	13.58	I.R.
164	IDB	TB-40/2	Nzega	Uhemeli	-4.778480	33.231850	47.00	32.22	-	I.R.
165	WMP	55/79	Sikonge	Mkolye	-5.554806	32.711078	58.50	34	-	I.R.
166	DDCA	494/2002	Sikonge	Mole	-5.441640	32.620540	28.00	1.4	0	I.R.
167	TW	SK-037BH1	Sikonge	Mpombwe	-5.405524	32.697877	79.00	-	0	O.Ai.
168	TW	SK-037BH2	Sikonge	Mpombwe	-5.376904	32.691176	92.00	62.84	0.14	O.Ai.

List of Existing Boreholes in Tabora Region

No.	Data Source(*)	BH No	District/ Municipality	Location/·Village	Latitude(*2)	Longitude(*2)	Depth (m)	S.W.L (m)	Yield (m ³ /h)	Geological Unit(*3)
169	IDB	3/51	Sikonge	Nyahua	-5.375300	33.334230	55.78	-	-	O.A.I.
170	WMP	28/67	Sikonge	Sikonge	-5.618150	32.755292	154.50	-	0.5	I.R.
171	WMP	58/79	Sikonge	Sikonge	-5.591004	32.738148	37.20	1.2	-	I.R.
172	TW	SK-028BH1	Sikonge	Usunga	-5.716079	32.932537	98.00	40.27	0.18	I.R.
173	TW	SK-028BH2	Sikonge	Usunga	-5.714842	32.952532	150.00	17.51	0.8	I.R.
174	DDCA	283/2002	Tabora Rural	Ibiri	-4.924440	32.597810	31.00	-	0	I.R.
175	WMP	-	Tabora Rural	Igalula	-4.884730	33.099215	12.20	4.6	-	I.R.
176	WMP	-	Tabora Rural	Igalula	-4.901708	33.099215	11.90	6.1	-	I.R.
177	WMP	128/73	Tabora Rural	Ipulul	-5.247293	32.941342	94.50	3.7	3.4	I.R.
178	DDCA	-	Tabora Rural	Ipululu	-5.244540	32.941070	50.00	-	3.4	I.R.
179	DDCA	144/1996	Tabora Rural	Kalola	-5.137260	32.493830	17.00	6	-	I.R.
180	IDB	TB-43	Tabora Rural	Kimungi	-5.356220	33.184690	-	18.2	-	O.A.I.
181	DDCA	282/2002	Tabora Rural	Lunguya	-4.884730	32.979600	45.00	-	0	I.R.
182	IDB	335/2001	Tabora Rural	Lutona	-5.175610	33.720050	36.00	6.72	-	I.R.
183	TW	TR-069BH1	Tabora Rural	Mabama	-5.121115	32.532809	79.00	8.59	14	I.R.
184	TW	TR-069BH2	Tabora Rural	Mabama	-5.128109	32.534103	82.00	11.06	0.8	I.R.
185	TW	TR-069BH3	Tabora Rural	Mabama	-5.12773	32.535502	86.00	-	0	I.R.
186	DDCA	-	Tabora Rural	Mbola	-5.019460	32.585120	35.00	-	1	I.R.
187	DDCA	-	Tabora Rural	Mbola	-5.019460	32.585120	40.00	-	1.2	I.R.
188	DDCA	-	Tabora Rural	Mbola	-5.019460	32.585120	40.00	-	2	I.R.
189	DDCA	-	Tabora Rural	Mbola	-5.019460	32.585120	80.00	-	5	I.R.
190	DDCA	-	Tabora Rural	Mbola	-5.019460	32.585120	40.00	-	2	I.R.
191	DDCA	-	Tabora Rural	Mbola	-5.019460	32.585120	75.00	-	1.5	I.R.
192	TW	TR-054BH1	Tabora Rural	Mpumbli	-5.304144	33.446452	50.00	-	0	Al.
193	TW	TR-054BH2	Tabora Rural	Mpumbli	-5.304234	33.447048	130.00	33.3	9	Al.
194	TW	TR-098BH1	Tabora Rural	Ufuluma	-4.996038	32.389766	86.00	-	0	I.R.
195	WMP	1/77	Tabora Rural	Upuge	-4.912571	32.972941	94.50	1.2	5.7	I.R.
196	TW	TU-008BH1	Tabora Mun.	Kakola	-4.860138	32.83841	108.00	14.37	6	I.R.
197	WMP	68/78	Tabora Mun.	Kapande	-5.066307	32.730250	59.50	8.2	0.7	I.R.
198	WMP	65/78	Tabora Mun.	Kipalapala	-5.092567	32.797003	90.50	-	-	I.R.
199	DDCA	-	Tabora Mun.	Kipalapala	-5.091662	32.795198	-	-	-	I.R.
200	WMP	105/78	Tabora Mun.	Klunde	-4.972208	32.695110	90.50	30.5	-	I.R.
201	WMP	106/78	Tabora Mun.	Tumbi	-5.064488	32.706795	98.80	14	1.1	I.R.
202	WMP	119/72	Tabora Mun.	Tumbi	-5.069007	32.697771	112.80	3.4	2.6	I.R.
203	WMP	138/78	Tabora Mun.	Tumbi	-5.064488	32.706795	22.30	14.7	-	I.R.
204	WMP	139/78	Tabora Mun.	Tumbi	-5.064488	32.706795	19.80	13.9	-	I.R.
205	WMP	140/78	Tabora Mun.	Tumbi	-5.064488	32.706795	22.90	17.3	-	I.R.
206	WMP	179/78	Tabora Mun.	Tumbi	-5.064488	32.706795	22.30	10	-	I.R.
207	WMP	180/78	Tabora Mun.	Tumbi	-5.064488	32.706795	19.20	12.3	-	I.R.
208	WMP	183/78A	Tabora Mun.	Tumbi	-5.049110	32.708606	14.00	-	-	I.R.
209	WMP	183/78B	Tabora Mun.	Tumbi	-5.049110	32.708606	32.00	20	-	I.R.
210	WMP	184/78	Tabora Mun.	Tumbi	-5.050921	32.713116	10.40	11	-	I.R.
211	WMP	185/78	Tabora Mun.	Tumbi	-5.052732	32.717626	16.80	12	-	I.R.
212	WMP	186/78	Tabora Mun.	Tumbi	-5.064490	32.710404	14.60	3	-	I.R.
213	WMP	238/74	Tabora Mun.	Tumbi	-5.073523	32.683334	87.80	1.2	1.1	I.R.
214	WMP	60/75	Tabora Mun.	Tumbi	-5.077143	32.686039	122.00	1.5	0.87	I.R.
215	DDCA	-	Tabora Mun.	Tumbi	-5.064488	32.706795	10.00	-	-	I.R.
216	DDCA	-	Tabora Mun.	Tumbi	-5.064488	32.706795	10.70	-	-	I.R.
217	DDCA	-	Tabora Mun.	Tumbi	-5.064490	32.710404	6.10	-	-	I.R.
218	WMP	66/78	Tabora Mun.	Ulamba	-5.001186	32.765458	50.30	4.6	1.1	I.R.
219	WMP	67/78	Tabora Mun.	Ulamba	-5.001186	32.766360	67.70	4.4	-	I.R.
220	DDCA	602/2007	Urambo	Bulela	-4.321080	32.219550	50.00	10.1	1.2	I.R.
221	WMP	20/78	Urambo	Corner farm·No-2 Urambo	-5.119916	32.034637	48.20	6.1	10.12	M.D.
222	DDCA	143/76	Urambo	Igagala	-4.929269	31.638125	75.00	1.3	6.9	M.D.
223	WMP	47/73	Urambo	Igagala	-4.938248	31.606545	61.00	1.5	5.7	M.D.
224	WMP	48/73	Urambo	Igagala	-4.911121	31.609307	61.00	1.5	5.3	M.D.
225	DDCA	60/2006	Urambo	Igunguli	-4.807440	32.075460	-	-	-	M.D.
226	DDCA	61/2006	Urambo	Igunguli	-4.807440	32.075460	-	-	-	M.D.
227	DDCA	81/2006	Urambo	Igunguli	-4.807440	32.075460	40.00	-	0	M.D.
228	DDCA	75/2008	Urambo	Ilege	-4.445580	32.273120	30.00	-	-	I.R.
229	WMP	18/78	Urambo	Imalakoya	-5.106420	32.084273	38.40	0.9	3.37	M.D.
230	DDCA	737/2007	Urambo	Iyombo	-4.383340	32.448800	60.00	13.9	0.6	I.R.
231	DDCA	738/2007	Urambo	Iyombo	-4.383340	32.448800	42.00	-	0	I.R.
232	DDCA	732/2007	Urambo	Iyombo	-4.383340	32.448800	45.00	-	0	I.R.
233	DDCA	733/2007	Urambo	Iyombo	-4.383340	32.448800	51.00	3.04	1.5	I.R.
234	DDCA	735/2007	Urambo	Iyombo	-4.383340	32.448800	42.00	-	0	I.R.
235	DDCA	739/2007	Urambo	Iyombo	-4.383340	32.448800	62.00	-	-	I.R.
236	DDCA	736/2007	Urambo	Iyombo	-4.383340	32.448800	75.00	8.3	4	I.R.
237	DDCA	734/2007	Urambo	Iyombo	-4.383340	32.448800	42.00	-	0	I.R.
238	DDCA	631/2008	Urambo	Kagera	-4.430430	32.420810	40.00	-	-	I.R.
239	WMP	3/67	Urambo	Kaliua	-5.056207	31.800211	61.00	3	2.1	M.D.
240	WMP	8/67	Urambo	Kaliua	-5.054470	31.792860	24.70	1.6	12.1	M.D.
241	WMP	5/66	Urambo	Kaliua	-5.054470	31.792860	30.50	0.9	10	M.D.
242	DDCA	298/2003	Urambo	Kashishi	-4.379840	32.383100	48.00	-	-	I.R.
243	DDCA	605/2007	Urambo	King wangoko	-4.404880	32.261640	85.00	-	0	I.R.
244	WMP	29/78	Urambo	Kondamoyo	-5.178505	31.908242	30.00	6.66	2.25	M.D.
245	DDCA	606/2007	Urambo	Mwendakulima	-4.338970	32.312980	48.00	3	1.03	I.R.
246	DDCA	607/2007	Urambo	Mwendakulima	-4.338970	32.312980	60.00	1.4	2	I.R.
247	DDCA	603/2007	Urambo	Nyasa	-4.322870	32.261310	60.00	0.95	4	I.R.
248	DDCA	604/2007	Urambo	Nyasa	-4.322870	32.261310	60.00	8.84	1	I.R.
249	DDCA	740/2007	Urambo	Sasu	-4.461690	32.321480	50.00	-	-	I.R.
250	DDCA	741/2007	Urambo	Sasu	-4.461690	32.321480	38.22	-	-	I.R.
251	DDCA	610/2007	Urambo	Seleli	-4.331700	32.325770	60.00	0	1.2	I.R.
252	DDCA	609/2007	Urambo	Seleli	-4.331700	32.325770	65.00	0.9	0.8	I.R.

List of Existing Boreholes in Tabora Region

No.	Data Source(*)	BH No	District/ Municipality	Location/·Village	Latitude(*2)	Longitude(*2)	Depth (m)	S.W.L. (m)	Yield (m ³ /h)	Geological Unit(*3)
253	DDCA	611/2007	Urambo	Seleli	-4.331700	32.325770	43.00	1.25	0.8	I.R.
254	DDCA	630/2007	Urambo	Seleli	-4.331700	32.325770	92.00	2.02	1.1	I.R.
255	DDCA	631/2007	Urambo	Seleli	-4.331700	32.325770	56.00	0.02	0.9	I.R.
256	DDCA	731/2007	Urambo	Seleli	-4.331700	32.325770	90.00	-	0	I.R.
257	DDCA	912/2005	Urambo	Songambebe	-4.931640	32.191390	46.00	4.83	2.2	Al.
258	DDCA	911/2005	Urambo	Songambebe	-4.931640	32.191390	59.00	7.52	0.8	Al.
259	DDCA	910/2005	Urambo	Songambebe	-4.931640	32.191390	52.00	3.3	2.6	Al.
260	DDCA	914/2005	Urambo	Songambebe	-4.931640	32.191390	46.25	-	0	Al.
261	DDCA	909/2005	Urambo	Songambebe	-4.931640	32.191390	40.00	-	0	Al.
262	DDCA	913/2005	Urambo	Songambebe	-4.931640	32.191390	50.00	5.35	3	Al.
263	DDCA	915/2005	Urambo	Songambebe	-4.931640	32.191390	52.00	4.9	0	Al.
264	WMP	12/78	Urambo	TAT Farm·No-16 Urambo	-5.083721	32.025670	52.80	2.3	3.37	M.D.
265	WMP	7/78	Urambo	TAT FarmNo-16	-5.074662	32.016663	48.80	-	4.5	M.D.
266	WMP	40/	Urambo	Ulyankulu	-4.532169	32.202220	85.00	12.5	1.2	M.D.
267	WMP	42/	Urambo	Ulyankulu	-4.500458	32.157188	82.00	28	2.3	M.D.
268	WMP	64/	Urambo	Ulyankulu	-4.495790	32.040022	82.00	12	6.5	M.D.
269	WMP	43/78	Urambo	Urambo Town	-5.074744	32.072591	72.90	5.5	13.5	M.D.
270	WMP	2/69	Urambo	Urambo prison	-5.183246	32.043564	76.25	0.15	1.8	M.D.
271	WMP	3/69	Urambo	Urambo Prison	-5.174201	32.043577	90.20	2.7	4.7	M.D.
272	WMP	12/76	Urambo	Urambo Town	-5.065696	32.070800	64.26	4.9	3.4	M.D.
273	WMP	41/78	Urambo	Urambo Town	-5.065708	32.078918	71.00	5.5	3.37	M.D.
274	WMP	42/78	Urambo	Urambo Town	-5.074744	32.072591	53.70	4.4	5.62	M.D.
275	WMP	254/77	Urambo	Urambo Town·Air field	-5.070226	32.075304	73.20	7.6	1.35	M.D.
276	WMP	32/66	Urambo	Usoke Trading·centre	-5.106717	32.323341	33.20	2.1	13.5	I.R.
277	DDCA	916/2005	Urambo	Uyogo	-4.912200	32.029120	40.00	-	0	M.D.
278	DDCA	917/2005	Urambo	Uyogo	-4.912200	32.029120	31.00	3.82	2.571	M.D.
279	DDCA	919/2005	Urambo	Uyogo	-4.912200	32.029120	50.00	9.5	3.6	M.D.
280	DDCA	920/2005	Urambo	Uyogo	-4.912200	32.029120	45.00	-	0	M.D.
281	DDCA	921/2005	Urambo	Uyogo	-4.912200	32.029120	41.00	-	0	M.D.
282	DDCA	922/2005	Urambo	Uyogo	-4.912200	32.029120	35.00	-	0	M.D.
283	DDCA	918/2005	Urambo	Uyogo	-4.912200	32.029120	40.00	8.5	0	M.D.
284	DDCA	925/2005	Urambo	Uyogo	-4.912200	32.029120	34.00	5.2	6	M.D.
285	DDCA	926/2005	Urambo	Uyogo	-4.912200	32.029120	40.00	-	0	M.D.
286	DDCA	923/2005	Urambo	Uyogo	-4.912200	32.029120	40.00	-	0	M.D.
287	DDCA	924/2005	Urambo	Uyogo	-4.912200	32.029120	40.00	-	0	M.D.
288	WMP	136/74	Urambo	Uyowa	-4.486655	31.974240	65.50	-	0.4	M.D.
289	WMP	70/74	Urambo	Uyowa	-4.482680	32.075210	61.00	1.83	11.4	Al.

***) Data Source**

WMP:International Bank for Reconstruction and Development/Brokoncult AB/MoW(1980)
 "Tabora Region Water Waste Plan Final Report"
 IDB·JICA (2008) "Study on the Groundwater Resources Development and Management in the Internal Drainage Basin"
 DDCA:Drilling and Dam Construction Agency, "Drilling Reports in Tabora"
 MoW:Ministry of Water, "Tabora Region Borehole Catalogue"
 TW:Test Well Drilling Survey in this Study

***2) Coordinates Information (Latitude and Longitude)**

There is no coordinates information in the borehole data from **DDCA** and **MoW**.
 Coordinates of these data were set to the center of the village to which the borehole belonged.

***3) Geological Unit:**

Al.: Recent Alluvium (Quaternary)
 O.Al.: Old Alluvium (Pleistocene)
 L.B.: Lake Beds (Pleistocene)
 M.S.: Metamorphic Rocks & Sedimentary Rocks
 (Kavironian or Nyanzian, Archean)
 I.R.: Intrusive Rocks(Granite or Granodiorite, Archean)
 M.D.: Metamorphic Rocks (Dodoman, Archean)

データ集 B

既存給水施設インベントリー

既存給水施設リスト (ハンドポンプ)

Hand Pump ID	District/Municipality	Ward	Village / Street	General Information			GPS Coordinates (Map Datum: Arc: 1980)			Well Information			Handpump Information				Water Quality on the field							
				Number of Handpump in Village	Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Static Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (Hrs/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)
HP-1	Iganga	Chabwava	Chapela	3	Icobi	769	Shallow well	33.48074	1251	1975	na	na	no pump	na	190	na	Pump Removed	na	na	na	na	na	na	na
HP-2	Iganga	Chabwava	Chapela	3	Maendeleo	875	Shallow well	33.48146	1248	1975	na	na	no pump	na	219	na	Pump Removed	na	na	na	na	na	na	na
HP-3	Iganga	Chabwava	Chapela	3	Mzizi mmoja	803	Shallow well	33.48441	1248	1975	na	na	no pump	na	230	na	Pump Removed	na	na	na	na	na	na	na
HP-4	Iganga	Chabwava	Igungu kati	4	Igungu kati	603	Shallow well	45.7317	33.48248	1873	na	na	no pump	na	62	na	Pump Removed	na	na	na	na	na	na	na
HP-5	Iganga	Chabwava	Igungu kati	4	Igungu kati	603	Shallow well	45.7371	33.48467	1873	na	na	no pump	na	62	na	Pump Removed	na	na	na	na	na	na	na
HP-6	Iganga	Chabwava	Igungu kati	4	Igungu kati	569	Shallow well	45.7986	33.48585	1873	na	na	no pump	na	56	na	Pump Removed	na	na	na	na	na	na	na
HP-7	Iganga	Chabwava	Igungu kati	4	Kalemula Kashezhi	586	Shallow well	45.7771	33.48544	1873	na	na	no pump	na	56	na	Pump Removed	na	na	na	na	na	na	na
HP-8	Iganga	Chabwava	Mjenge	6	Imalanguzi	456	Shallow well	33.43566	1223	na	4	na	no pump	na	46	na	Pump Removed	Milky	Tasteless	26.3	6.4	0.5	14.9	
HP-9	Iganga	Chabwava	Mjenge	6	Imalanguzi	456	Shallow well	33.44124	1222	na	4.3	na	no pump	na	46	na	Pump Removed	Milky	Tasteless	25	6	0.4	18	
HP-10	Iganga	Chabwava	Mjenge	6	Imalanguzi	380	Shallow well	33.4445	1231	na	na	na	Indian Mk	na	38	24	Unfunctioning	na	na	na	na	na	na	na
HP-11	Iganga	Chabwava	Mjenge	6	Mjenge	380	Shallow well	33.44216	1226	na	1.8	na	no pump	na	38	na	Pump Removed	Milky	Tasteless	27.3	6.3	1.1	16.5	
HP-12	Iganga	Chabwava	Mjenge	6	Mjenge	380	Shallow well	33.44434	1229	na	na	na	no pump	na	40	na	Pump Removed	na	na	na	na	na	na	na
HP-13	Iganga	Chabwava	Mjenge	6	Mhimbili	612	Shallow well	46.1581	33.4871	1233	na	na	no pump	na	60	na	Pump Removed	Milky	Tasteless	27	5.92	0.3	51	
HP-14	Iganga	Igwavala	Buhikela	3	Buhikela	1800	Shallow well	47.7268	33.70164	1137	1880	na	no pump	na	230	na	Pump Removed	na	na	na	na	na	na	na
HP-15	Iganga	Igwavala	Buhikela	3	Buhikela	1800	Shallow well	47.746	33.71078	1128	1880	na	no pump	na	190	na	Pump Removed	na	na	na	na	na	na	na
HP-16	Iganga	Igwavala	Buhikela	3	Buhikela	1800	Deep well	47.7676	33.71803	1133	1880	na	no pump	na	219	na	Pump Removed	na	na	na	na	na	na	na
HP-17	Iganga	Igwavala	Igwavala	2	Igwavala	1400	Deep well	47.7323	33.5865	1179	na	na	no pump	na	140	na	Pump Removed	na	na	na	na	na	na	na
HP-18	Iganga	Igwavala	Igwavala	2	Kapavav	799	Shallow well	47.5001	33.60481	1179	na	na	no pump	na	79	na	Pump Removed	na	na	na	na	na	na	na
HP-19	Iganga	Igwavala	Uwava	9	Mukulu	660	Shallow well	48.011	33.48073	1235	na	na	no pump	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-20	Iganga	Igwavala	Uwava	9	Mukulu	660	Shallow well	48.0079	33.48078	1235	na	na	Tanira	na	66	24	Unfunctioning	na	na	na	na	na	na	na
HP-21	Iganga	Igwavala	Uwava	9	Mwakasile	1286	Deep well	47.1693	33.52151	1236	2006	3.3	23	Afidev	na	2006	24	Functioning	Clear	Salty	27.3	5.9	0.24	22.6
HP-22	Iganga	Igwavala	Uwava	9	Mwakasile	1286	Deep well	47.001	33.51944	1236	2006	3.6	14	Afidev	na	2006	130	Functioning	Clear	Salty	27.2	6.4	0.7	32
HP-23	Iganga	Igwavala	Uwava	9	Mwakasile	1286	Deep well	47.004	33.5195	1236	na	na	Tanira	na	130	25	Unfunctioning	na	na	na	na	na	na	na
HP-24	Iganga	Igwavala	Uwava	9	Mwakasile	670	Deep well	45.747	33.5219	1223	2006	7.5	47.4	Afidev	na	2006	67	Functioning	Clear	Salty	26.7	5.92	2.3	77.8
HP-25	Iganga	Igwavala	Uwava	9	Mwakasile	816	Deep well	46.008	33.50302	1226	2006	4.2	68	Afidev	na	2006	80	Functioning	Clear	Salty	27.3	6.64	2.3	148.4
HP-26	Iganga	Igwavala	Uwava	9	Uwava	816	Shallow well	48.095	33.50289	1227	na	na	no pump	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-27	Iganga	Igwavala	Uwava	9	Uwava	816	Shallow well	48.021	33.50286	1227	na	na	no pump	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-28	Iganga	Igwavala	Igwavala	4	Mwajungu	Unknown	Deep well	42.9077	33.86152	1086	na	na	Afidev	na	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-29	Iganga	Igwavala	Igwavala	4	Nkoloto	Unknown	Shallow Well	4.2823	33.9421	1085	na	2.4	12	Tanira	na	na	6	Functioning	Colourless	Tasteless	24.6	6.26	4.3	28.8
HP-30	Iganga	Igwavala	Igwavala	4	Nkoloto	Unknown	Deep well	42.7821	33.8892	1088	na	na	Afidev	na	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-31	Iganga	Igwavala	Igwavala	4	Sho ya Pamba	Unknown	Deep well	42.7574	33.87586	1081	na	na	Afidev	na	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-32	Iganga	Igwavala	Makomero	1	Mwajungu	600	Deep well	42.998	33.9211	1083	na	na	Afidev	na	60	12	Functioning	Colourless	Little Salty	26.7	7.6	1.2	76	
HP-33	Iganga	Igwavala	Mwajungu	1	Uwavhili	400	Deep well	43.8977	34.04616	1042	na	na	Afidev	na	63	na	Unfunctioning	na	na	na	na	na	na	na
HP-34	Iganga	Igwavala	Igwavala	1	Bigwandege	300	Deep well	33.7142	1070	2003	na	na	ST	na	2003	na	12	Stagn	na	na	na	na	na	na
HP-35	Iganga	Isakamulwa	Isakamulwa	1	Zhanani	1000	Deep well	40.7821	34.04216	1045	na	na	Tanira	na	100	24	Unfunctioning	na	na	na	na	na	na	na
HP-36	Iganga	Isakamulwa	Kidaka	1	Ngwangwale	3000	Deep well	4.14566	34.0333	1041	1997	na	no pump	na	300	24	Pump Removed	na	na	na	na	na	na	na
HP-37	Iganga	Igwavala	Igwavala	2	Igwavala	840	Shallow well	45.9821	33.8704	1073	1972	na	no pump	na	84	24	Pump Removed	na	na	na	na	na	na	na
HP-38	Iganga	Igwavala	Igwavala	2	Mwajungu	1350	Deep well	46.026	33.8892	1089	2006	na	Afidev	na	135	24	Functioning	Clear	Salty	26.2	6.85	2	238	
HP-39	Iganga	Igwavala	Igwavala	4	Lugulu	5300	Shallow well	45.921	33.8736	1092	2004	na	Afidev	na	530	24	Functioning	Colourless	Salty	27.1	7.67	1.28	46.8	
HP-40	Iganga	Igwavala	Igwavala	4	Lugulu	5300	Deep well	4.56	33.8736	1090	2003	na	Afidev	na	530	24	Unfunctioning	na	na	na	na	na	na	na

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Hand Pump ID	District Municipality	Village / Street	Village / Street	Number of Population in Village	General Information			GPS Coordinates (Map Datum: Arc 1980)			Well Information			Handpump Information					Water Quality on the field							
					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Drilling Water Level (m)	Static Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (µS/cm)	
HP-81	Irigata	Simbo	Simbo	6	Sub-Village/Street	1620	Deep well	465163	39.49132	1241	1996	na	na	na	Indian Mcil	na	1996	160	24	Pump Removed	na	na	na	na	na	na
HP-82	Irigata	Simbo	Simbo	8	Nabe	1900	Deep well	465244	39.49852	1234	na	na	27	na	Ablev	na	2006	360	24	Functioning	Grey	Tasteless	25	6	0.32	12.12
HP-83	Irigata	Simbo	Simbo	8	Nabe	1900	Unknown	465667	39.42966	1223	na	na	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-84	Irigata	Simbo	Simbo	6	Wiumulurats	4050	Shallow well	464644	39.43954	1240	1986	na	na	na	Ablev	na	2006	544	na	Functioning	Clear	Salty	26	6.1	1.3	105.6
HP-85	Irigata	Simbo	Tambabae	5	Kazima	1780	Shallow well	462433	39.53262	1217	1980	na	na	na	no pump	na	1980	306	na	Pump Removed	na	na	na	na	na	na
HP-86	Irigata	Simbo	Tambabae	5	Ujumu	2720	Deep well	464018	39.51053	1232	1986	na	na	na	Ablev	na	2006	544	na	Functioning	Clear	Salty	26	6.1	1.3	105.6
HP-87	Irigata	Simbo	Tambabae	5	Ujumu	2720	Deep well	463668	39.51265	1230	1982	na	na	na	no pump	na	na	544	na	Pump Removed	Milky	Tasteless	24	6.2	0.4	8.16
HP-88	Irigata	Simbo	Tambabae	5	Ujumu	2720	Shallow well	464144	39.51248	1230	1980	na	na	na	Tanra	na	1980	544	na	Unfunctioning	na	na	na	na	na	na
HP-89	Irigata	Simbo	Tambabae	5	Ujumu	2720	Shallow well	464566	39.51162	1228	1980	3.7	na	na	no pump	na	na	540	na	Pump Removed	Milky	Tasteless	26.7	6.4	1.4	112
HP-90	Irigata	Sunguzi	Sunguzi	6	Iku	1200	Shallow well	445793	39.51959	1234	na	2.4	na	na	no pump	na	na	120	na	Pump Removed	Clear	Salty	24.5	7.8	7.4	136
HP-91	Irigata	Sunguzi	Sunguzi	6	Iku	1200	Shallow well	445923	39.51726	1233	na	na	na	na	no pump	na	na	120	na	Pump Removed	na	na	na	na	na	na
HP-92	Irigata	Sunguzi	Sunguzi	6	Mangala B	612	Shallow well	443818	39.52461	1249	1982	na	na	na	no pump	na	na	62	na	Pump Removed	na	na	na	na	na	na
HP-93	Irigata	Sunguzi	Sunguzi	6	Segesoro	650	Shallow well	445826	39.51771	1231	1980	na	na	na	no pump	na	na	65	na	Pump Removed	na	na	na	na	na	na
HP-94	Irigata	Sunguzi	Sunguzi	6	Uemela	890	Shallow well	446091	39.51624	1233	1982	na	na	na	no pump	na	na	89	na	Pump Removed	na	na	na	na	na	na
HP-95	Irigata	Sunguzi	Sunguzi	6	Uemela	540	Shallow well	445265	39.51674	1236	1980	na	na	na	no pump	na	na	54	na	Pump Removed	na	na	na	na	na	na
HP-96	Irigata	Ziba	Bongobelo	1	Ujumu	Unknown	Deep well	423892	39.47128	1197	2006	na	na	na	Indian Mcil	na	2006	15	24	Functioning	Clear	Tasteless	27.9	7.02	10.3	129.9
HP-97	Irigata	Ziba	Ziba	6	Buluku	445	Deep well	423717	39.40757	1243	2005	na	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-98	Irigata	Ziba	Ziba	6	Bujamouli	364	Deep well	425573	39.41169	1233	2005	na	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-99	Irigata	Ziba	Ziba	6	Bushu	800	Deep well	423813	39.39980	1250	2005	na	na	na	Indian Mcil	na	na	80	12	Unfunctioning	na	na	na	na	na	na
HP-100	Irigata	Ziba	Ziba	6	Igumla	968	Deep well	423015	39.39546	1259	2005	na	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-101	Irigata	Ziba	Ziba	8	Ipa	1800	Deep well	428262	39.42323	1234	2006	1.8	28.8	na	Indian Mcil	na	na	180	12	Functioning	Clear	Salty	26	7.3	4	165
HP-102	Irigata	Ziba	Ziba	8	Kalamagazi	395	Deep well	419654	39.42723	1252	2005	na	na	na	Indian Mcil	na	na	33.5	12	Functioning	Clear	Salty	26	6.97	2.1	56
HP-103	Irigata	Ziba	Ziba	8	Kakinda	523	Deep well	423667	39.42369	1234	2005	na	na	na	Indian Mcil	na	na	52.3	12	Functioning	Clear	Salty	27	7.6	4.4	110
HP-104	Irigata	Ziba	Ziba	8	Luglung omba	2686	Deep well	428115	39.39602	1236	2005	7.5	22.5	na	Indian Mcil	na	2006	269	12	Unfunctioning	na	na	na	na	na	na
HP-105	Naga	Budabuh	Budabuh	1	Uvavahim	na	Deep well	479313	39.31465	1214	2006	na	na	na	Ablev	na	2006	na	24	Functioning	Clear	Salty	26.7	6.3	1.52	63.5
HP-106	Naga	Budabuh	Ima	1	Iyombolima	na	Unknown	484683	39.31946	1219	na	na	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-107	Naga	Bukene	Bukene	10	Ikena	na	Shallow well	421521	39.28623	1196	2006	na	na	na	Tanra	na	2006	na	na	Unfunctioning	na	na	na	na	na	na
HP-108	Naga	Bukene	Bukene	10	Biluma	na	Shallow well	423075	39.28475	1198	2006	na	na	na	Tanra	na	2006	na	na	Unfunctioning	na	na	na	na	na	na
HP-109	Naga	Bukene	Bukene	10	Biluma	na	Shallow well	423967	39.27975	1198	2006	na	na	na	no pump	na	2006	na	na	Pump Removed	na	na	na	na	na	na
HP-110	Naga	Bukene	Bukene	10	Mejogo	na	Shallow well	421952	39.28611	1197	2006	na	na	na	Tanra	na	2006	na	24	Functioning	Clear	Fresh	28	6.1	0.4	64
HP-111	Naga	Bukene	Bukene	10	Mela	na	Shallow well	421245	39.3044	1191	2006	na	na	na	Tanra	na	2006	na	24	Functioning	Clear	Fresh	28.2	6.2	0.4	46
HP-112	Naga	Bukene	Bukene	10	Mwembab	na	Shallow well	422015	39.27933	1186	2009	na	na	na	no pump	na	2009	na	na	Pump Removed	na	na	na	na	na	na
HP-113	Naga	Bukene	Bukene	10	Mwembab	na	Shallow well	421673	39.27996	1187	2006	na	na	na	Tanra	na	2006	na	24	Functioning	Clear	Salty	27.8	6.4	1.96	67.3
HP-114	Naga	Bukene	Bukene	10	Nyence	na	Shallow well	422264	39.28273	1186	2006	na	na	na	Tanra	na	2006	na	na	Unfunctioning	na	na	na	na	na	na
HP-115	Naga	Bukene	Bukene	10	Tanganyika	na	Shallow well	42314	39.28546	1191	2006	na	na	na	Tanra	na	2006	na	24	Functioning	Clear	Fresh	27.8	6.3	0.4	44
HP-116	Naga	Bukene	Bukene	10	Tanganyika	na	Deep well	423187	39.28533	1190	2006	na	na	na	no pump	na	2006	na	na	Pump Removed	na	na	na	na	na	na
HP-117	Naga	Iguale	Iguale	13	Bombani	na	Deep well	395629	39.28797	1207	2003	na	na	na	Ablev	na	2003	na	na	Unfunctioning	na	na	na	na	na	na
HP-118	Naga	Iguale	Iguale	13	Bombani	na	Deep well	395676	39.28689	1210	2003	na	na	na	Ablev	na	2003	na	na	Unfunctioning	na	na	na	na	na	na
HP-119	Naga	Iguale	Iguale	13	Bukella	na	Deep well	394718	39.285116	1196	2003	na	na	na	Ablev	na	2003	na	24	Functioning	na	na	na	na	na	na
HP-120	Naga	Iguale	Iguale	13	Budella	na	Deep well	394297	39.28474	1194	2003	na	na	na	Ablev	na	2003	na	24	Functioning	Clear	Fresh	27.1	6.5	ND	16

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Hand Pump ID	District Municipality	Village / Street	Number of Population in Village	General Information			GPS Coordinates (Map Datum Arc. 1980)			Well Information			Handpump Information					Water Quality on the field								
				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Static Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)			
HP-121	Nzoga	Iguale	Sopo	13	Iguale	na	Deep well	3,953	32,85161	1204	2003	na	na	na	2003	na	24	Functioning	Clear	Salty	27.8	5.5	1.96	284.9		
HP-122	Nzoga	Iguale	Sopo	13	Nzoga	na	Deep well	401932	32,85586	1161	2003	na	na	na	2003	na	na	na	Functioning	Clear	Salty	27.1	5.1	1.96	265.2	
HP-123	Nzoga	Iguale	Sopo	13	Nzoga	na	Deep well	3,99754	32,85498	1174	2003	na	na	na	2003	na	na	na	Functioning	na	na	na	na	na	na	na
HP-124	Nzoga	Iguale	Sopo	13	Nzoga	na	Deep well	3,98676	32,85866	1178	2003	na	na	na	2003	na	na	na	na	Functioning	Clear	Salty	27.8	4.9	1.94	230
HP-125	Nzoga	Iguale	Sopo	13	Nzoga	na	Deep well	3,94068	32,85305	1198	2003	na	na	na	2003	na	na	na	na	Functioning	Clear	Salty	27.8	4.9	1.94	230
HP-126	Nzoga	Iguale	Sopo	13	Nzoga	na	Deep well	3,93916	32,85778	1198	2003	na	na	na	2003	na	na	na	na	Functioning	Clear	Salty	27.9	4.95	1.57	200
HP-127	Nzoga	Iguale	Sopo	13	Solemi	na	Deep well	33,72783	32,86115	1195	2003	na	na	na	2003	na	na	na	na	Functioning	Clear	Fresh	27.2	6.8	ND	99
HP-128	Nzoga	Iguale	Sopo	13	Sopo Myra	na	Deep well	3,94064	32,85171	1196	2003	na	na	na	2003	na	na	na	na	Functioning	Clear	Fresh	27.4	6	0.4	218
HP-129	Nzoga	Iguale	Sopo	13	Sopo Myra	na	Shallow well	3,94607	32,85814	1200	2003	na	na	na	2003	na	na	na	na	Functioning	Clear	Fresh	27.8	6.8	ND	18
HP-130	Nzoga	Iguale	Wala Kili	1	Wala Kili	na	Deep well	3,95408	32,83328	1207	2005	na	na	na	2005	na	na	na	na	Functioning	Clear	Bitter/Salty	26.2	6.8	1.92	325
HP-131	Nzoga	Iguale	Burandula	1	Burandula	na	Deep well	41,0294	33,11915	1206	2005	na	na	na	2005	na	na	na	na	Functioning	Clear	na	na	na	na	na
HP-132	Nzoga	Iguale	Ijanja	6	Ijanja	na	Shallow well	42,0707	33,11513	1201	1981	na	7	no pump	1981	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-133	Nzoga	Iguale	Ijanja	6	Ijanja	na	Shallow well	41,9118	33,13073	1206	1986	na	8	no pump	1986	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-134	Nzoga	Iguale	Ijanja	6	Ijanja	na	Shallow well	42,0208	33,12146	1217	2005	na	7	Tanra	2005	na	na	na	na	Functioning	Clear	na	na	na	na	na
HP-135	Nzoga	Iguale	Ijanja	6	Ijanja	na	Shallow well	41,8884	33,11818	1198	1983	na	6.8	no pump	1983	na	na	na	na	Functioning	Clear	na	na	na	na	na
HP-136	Nzoga	Iguale	Ijanja	6	Ijanja	na	Shallow well	41,9852	33,11481	1202	1986	na	6	no pump	1986	na	na	na	na	Functioning	Clear	na	na	na	na	na
HP-137	Nzoga	Iguale	Ijanja	6	Ijanja	na	Shallow well	41,9873	33,11532	1203	2000	na	na	na	2000	na	na	na	na	Functioning	Clear	na	na	na	na	na
HP-138	Nzoga	Iguale	Makomelo	1	Makomelo	na	Shallow well	42,2173	33,14689	1214	2004	na	na	Shinyaga pump	2004	na	24	Functioning	clear	No Salty	27.2	6.8	0.4	64		
HP-139	Nzoga	Iguale	Uchama	1	Uchama	na	Deep well	41,7564	33,17298	1213	2007	na	na	no pump	2007	na	24	Pump Removed	clear	Salty	26.3	6.8	1.87	120		
HP-140	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,5304	32,89824	1198	2009	na	8	Tanra	2009	na	24	Functioning	clear	Salty	26.3	6.5	0.4	15		
HP-141	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,7574	32,89847	1196	1998	na	7	no pump	1998	na	24	Pump Removed	na	na	na	na	na	na	na	
HP-142	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,5446	32,89884	1184	2004	na	8	Tanra	2004	na	24	Abandoned	na	na	na	na	na	na	na	
HP-143	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,5265	32,90348	1186	1970	na	na	no pump	1970	na	24	Pump Removed	na	na	na	na	na	na	na	
HP-144	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,5005	32,90705	1203	1980	na	7	no pump	1980	na	24	Pump Removed	na	na	na	na	na	na	na	
HP-145	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,5116	32,91887	1204	1980	na	8	no pump	1980	na	24	Pump Removed	na	na	na	na	na	na	na	
HP-146	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,5628	32,91833	1206	2008	na	7	Tanra	2008	na	24	Functioning	clear	Fresh	26.9	6.5	0.4	45		
HP-147	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,1885	32,90928	1184	1980	na	7	no pump	1980	na	24	Pump Removed	na	na	na	na	na	na	na	
HP-148	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,1875	32,91182	1192	2008	na	8	Tanra	2008	na	24	Unfunctioning	na	na	na	na	na	na	na	
HP-149	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,7271	32,91239	1186	2008	na	7	Tanra	2008	na	24	Unfunctioning	na	na	na	na	na	na	na	
HP-150	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	41,2985	32,89057	1203	2003	na	6	Tanra	2003	na	24	Functioning	na	na	na	na	na	na	na	
HP-151	Nzoga	Iindwa	Iindwa	12	Iindwa	na	Shallow well	4,1284	32,89288	1202	na	na	7	no pump	na	na	24	Pump Removed	na	na	na	na	na	na	na	
HP-152	Nzoga	Iindwa	Kayombo	14	Kayombo	na	Shallow well	41,3915	32,87429	1201	2008	na	6	Tanra	2008	na	24	Functioning	clear	Fresh	26.7	7.1	0.4	88		
HP-153	Nzoga	Iindwa	Kayombo	14	Kayombo	na	Shallow well	41,4658	32,88928	1200	2007	na	7	Tanra	2007	na	24	Functioning	clear	Fresh	27.9	6.8	0.4	85		
HP-154	Nzoga	Iindwa	Kayombo	14	Kayombo	na	Shallow well	41,4618	32,87912	1205	2001	na	7	no pump	2001	na	24	Pump Removed	na	na	na	na	na	na	na	
HP-155	Nzoga	Iindwa	Kayombo	14	Kayombo	na	Shallow well	4,442	32,89276	1211	2005	na	7	Tanra	2005	na	24	Functioning	na	na	na	na	na	na	na	
HP-156	Nzoga	Iindwa	Kayombo	14	Kayombo	na	Shallow well	41,3911	32,88127	1192	2009	na	na	no pump	2009	na	na	na	na	Functioning	na	na	na	na	na	na
HP-157	Nzoga	Iindwa	Kayombo	14	Iindwa	na	Shallow well	41,7257	32,85307	1192	2008	na	6	Tanra	2008	na	24	Under Construction	na	na	na	na	na	na	na	
HP-158	Nzoga	Iindwa	Kayombo	14	Iindwa	na	Shallow well	41,6974	32,89904	1208	2001	na	7	Tanra	2001	na	24	Functioning	clear	Fresh	26.8	7.2	0.4	48		
HP-159	Nzoga	Iindwa	Kayombo	14	Iindwa	na	Shallow well	41,4866	32,89285	1209	1998	na	8	no pump	1998	na	24	Pump Removed	na	na	na	na	na	na	na	
HP-160	Nzoga	Iindwa	Kayombo	14	Iindwa	na	Shallow well	41,4188	32,89802	1204	2007	na	7	Tanra	2007	na	24	Functioning	clear	Fresh	28	7.2	0.4	42		

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Hand Pump ID	District Municipality	Village / Street	Number of Pumps in Village	General Information				GPS Coordinates (Map Datum Arc 1980)				Well Information				Handpump Information					Water Quality on the field				
				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Longitude (m)	Latitude (m)	Drilling Year	Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/m)	
HP-161	Nzoga	Iindwa	Kayombo	14	Isukemawe	na	Shallow well	41.4501	32.89225	1208	1999	na	6	no pump	6	1999	na	24	Pump Removed	na	na	na	na	na	
HP-162	Nzoga	Iindwa	Kayombo	14	Isukemawe	na	Shallow well	41.5367	32.8953	1209	2009	na	8	Tanra	na	2009	na	24	Functioning	na	na	na	na	na	
HP-163	Nzoga	Iindwa	Kayombo	14	Maha	na	Shallow well	4.1468	32.8950	1211	2007	na	7	Tanra	na	2007	na	24	Unfunctioning	na	na	na	na	na	
HP-164	Nzoga	Iindwa	Kayombo	14	Mumba	na	Shallow well	41.4352	32.89356	1199	2007	na	8	Tanra	na	2007	na	24	Functioning	clear	Fresh	26.6	6.5	0.4	46
HP-165	Nzoga	Iindwa	Kayombo	14	Uchama	na	Shallow well	41.3545	32.87317	1199	2008	na	7	Tanra	na	2008	na	24	Functioning	clear	Salty	28.6	7.3	1.5	27.2
HP-166	Nzoga	Iindwa	Mahlo	8	Iibuyange	na	Shallow well	41.0286	32.85346	1171	2000	na	8	Tanra	na	2000	na	24	Functioning	clear	Salty	28	7	0.4	16.6
HP-167	Nzoga	Iindwa	Mahlo	8	Izima	na	Shallow well	40.9446	32.89362	1162	2004	na	7	Tanra	na	2004	na	24	Functioning	clear	Fresh	25.6	6.9	0.4	47
HP-168	Nzoga	Iindwa	Mahlo	8	Kiyatsha	na	Shallow well	40.9799	32.89006	1154	2000	na	7	Tanra	na	2000	na	24	Unfunctioning	na	na	na	na	na	na
HP-169	Nzoga	Iindwa	Mahlo	8	Kiyantata	na	Shallow well	41.1284	32.87371	1176	2009	na	6	Tanra	na	2009	na	24	Unfunctioning	na	na	na	na	na	na
HP-170	Nzoga	Iindwa	Mahlo	8	Mahlo	na	Shallow well	40.9811	32.89177	1167	2004	na	8	Tanra	na	2004	na	24	Functioning	clear	Fresh	25.3	6.5	0.4	42
HP-171	Nzoga	Iindwa	Mahlo	8	Mahlo	na	Shallow well	40.9841	32.89539	1166	2004	na	7	Tanra	na	2004	na	24	Unfunctioning	na	na	na	na	na	na
HP-172	Nzoga	Iindwa	Mahlo	8	Mahlo	na	Shallow well	41.0215	32.89589	1167	2000	na	7	Tanra	na	2000	na	24	Unfunctioning	na	na	na	na	na	na
HP-173	Nzoga	Iindwa	Mahlo	8	Sole	na	Shallow well	40.9322	32.91229	1163	2000	na	7	Tanra	na	2000	na	24	Functioning	clear	Fresh	26.2	6.9	0.4	56
HP-174	Nzoga	Iisaghehe	Buhujul	1	Buchemba	na	Shallow well	44.1789	32.89951	1182	2009	na	8	Tanra	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-175	Nzoga	Iisaghehe	Iisaghehe	2	Iisaghehe	na	Shallow well	43.9203	32.89312	1207	2009	na	7.2	Tanra	na	2009	na	24	Unfunctioning	na	na	na	na	na	na
HP-176	Nzoga	Iisaghehe	Iisaghehe	2	Iisaghehe	na	Shallow well	43.9774	32.89678	1206	na	na	4	UC	na	na	na	na	Under Construction	na	na	na	na	na	na
HP-177	Nzoga	Iisaghehe	Kidiba	2	Kidiba	na	Shallow well	42.9321	32.94171	1203	2008	na	na	Tanra	na	2008	na	24	Functioning	Clear	Fresh	27	5.4	ND	12
HP-178	Nzoga	Iisaghehe	Kidiba	2	Molugil	na	Shallow well	4.2364	32.93533	1191	2009	na	na	Tanra	na	2009	na	24	Functioning	Clear	Fresh	27.9	5.9	0.4	18.9
HP-179	Nzoga	Iisaghehe	Zugimole	2	Kawe	na	Shallow well	43.9072	32.93336	1211	2008	na	7.4	Tanra	na	2008	na	na	Unfunctioning	na	na	na	na	na	na
HP-180	Nzoga	Iisaghehe	Zugimole	2	Zugimole	na	Shallow well	43.9657	32.93363	1202	1983	na	6	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-181	Nzoga	Iisanzu	Ipumtali	1	Izinga	UNKNOWN	Shallow well	43.9051	33.03558	1217	2009	na	na	no pump	na	2009	na	na	Pump Removed	na	na	na	na	na	na
HP-182	Nzoga	Iisanzu	Iisanzu	3	Iisanzu	UNKNOWN	Shallow well	42.9904	33.09997	1234	2005	na	7	Tanra	na	2005	na	na	Functioning	Clear	Clear	28.8	6.6	0.4	16.2
HP-183	Nzoga	Iisanzu	Iisanzu	3	Iyungulo	UNKNOWN	Shallow well	42.8042	33.05005	1244	2005	na	8	Tanra	na	2005	na	na	Functioning	Clear	Clear	28.4	6.7	0.4	19.3
HP-184	Nzoga	Iisanzu	Iisanzu	3	Kedata	UNKNOWN	Shallow well	42.7292	33.03813	1240	2008	na	6	Tanra	na	2008	na	na	Functioning	Clear	Clear	28.7	6.5	0.4	18.8
HP-185	Nzoga	Iisanzu	Kileo A	1	NgWalawale	UNKNOWN	Shallow well	43.4493	33.01121	1218	2009	na	6	Indian Milk	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-186	Nzoga	Iisanzu	Miembu	1	IuJamahala	UNKNOWN	Shallow well	42.9001	33.03236	1235	1972	na	na	no pump	na	1972	na	na	Under Construction	na	na	na	na	na	na
HP-187	Nzoga	Iisanzu	Shila	1	Shila	UNKNOWN	Deep well	42.6523	33.09298	1237	2005	na	45	Indian Milk	na	2005	na	na	Functioning	Clear	Clear	28.9	6.7	0.4	25.6
HP-188	Nzoga	Iibob	Chamwabo	15	Burand	na	Shallow well	42.0592	33.03867	1207	2002	na	6	Tanra	na	2002	na	24	Functioning	Clear	Fresh	27	6.2	0.4	10.2
HP-189	Nzoga	Iibob	Chamwabo	15	Buronga	na	Shallow well	42.1869	33.02316	1203	2002	na	7	Tanra	na	2002	na	24	Functioning	Clear	Fresh	27	6.2	0.4	12
HP-190	Nzoga	Iibob	Chamwabo	15	Chamwabo	na	Shallow well	42.1064	32.99895	1203	2002	na	7	Tanra	na	2002	na	24	Functioning	Clear	Fresh	26.8	6.6	0.4	25
HP-191	Nzoga	Iibob	Chamwabo	15	Igedjisa	na	Shallow well	41.9975	33.01348	1205	2003	na	7	Tanra	na	2003	na	24	Functioning	Clear	Fresh	28.2	6.4	0.8	12
HP-192	Nzoga	Iibob	Chamwabo	15	Iisaghehe	na	Shallow well	42.0177	32.99595	1204	2003	na	na	Tanra	na	2003	na	24	Functioning	Clear	Fresh	27	6.2	0.4	12
HP-193	Nzoga	Iibob	Chamwabo	15	Iisaghehe	na	Shallow well	4.2019	32.98316	1197	2003	na	na	Tanra	na	2003	na	24	Functioning	Clear	Fresh	26.8	6.6	0.4	25
HP-194	Nzoga	Iibob	Chamwabo	15	Iisaghehe	na	Shallow well	4.1657	32.99791	1197	2003	na	na	Tanra	na	2003	na	24	Functioning	Clear	Fresh	27	6.2	0.4	12
HP-195	Nzoga	Iibob	Chamwabo	15	Iibob	na	Shallow well	42.1668	33.01824	1204	2002	na	6.9	Tanra	na	2002	na	24	Functioning	Clear	Fresh	29.6	6.2	0.4	10
HP-196	Nzoga	Iibob	Chamwabo	15	Kalaha	na	Shallow well	42.2966	33.02946	1205	2003	na	7	Tanra	na	2003	na	24	Functioning	Clear	Fresh	28.8	6.8	0.4	26
HP-197	Nzoga	Iibob	Chamwabo	15	Kalaha	na	Shallow well	42.8566	33.02369	1215	2003	na	6	Tanra	na	2003	na	24	Functioning	Clear	Fresh	27.1	7	1.74	236
HP-198	Nzoga	Iibob	Chamwabo	15	Mwakabata	na	Shallow well	4.2088	32.99785	1204	2002	na	na	Tanra	na	2002	na	24	Functioning	Clear	Fresh	27.1	7	1.88	250
HP-199	Nzoga	Iibob	Chamwabo	15	Mwakabata	na	Shallow well	41.9344	32.99895	1198	2002	na	na	Tanra	na	2002	na	24	Functioning	Clear	Fresh	29.6	6.2	0.4	10.4
HP-200	Nzoga	Iibob	Chamwabo	15	Sundwi	na	Shallow well	42.0266	33.02655	1208	2003	na	8	Tanra	na	2003	na	24	Functioning	Clear	Fresh	28.4	5.9	0.4	92

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Hand Pump ID	District Municipality	Village / Street	Ward	General Information				GPS Coordinates (Map Datum Arc. 1980)				Well Information				Handpump Information						Water Quality on the field			
				Number of Handpumps in Village	Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	State Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)
HP-201	Nzoga	Chamwabo	Itob	15	Sundwi	na	Shallow well	42.0323	33.0309	1208	2002	na	7	Tanre	na	2002	na	24	Functioning	Clear	Fresh	28.9	6.8	0.4	11.1
HP-202	Nzoga	Chamwabo	Itob	15	Sundwi	na	Shallow well	4.2152	33.03016	1203	2003	na	7.2	Tanre	na	2003	na	24	Functioning	Clear	Fresh	28.8	6.1	0.4	10.6
HP-203	Nzoga	Itob	Itob	9	Manwi	na	Shallow well	4.16652	33.01103	1152	2003	na	6.8	Tanre	na	2003	na	24	Functioning	na	na	na	na	na	na
HP-204	Nzoga	Itob	Itob	9	Manwi	na	Shallow well	4.17076	32.98339	1192	2003	na	6.9	Tanre	na	2003	na	24	Functioning	na	na	na	na	na	na
HP-205	Nzoga	Itob	Itob	9	Manwi	na	Shallow well	4.16585	33.01457	1190	2003	na	10	Tanre	na	2003	na	na	Unfunctioning	na	na	na	na	na	na
HP-206	Nzoga	Itob	Itob	9	Nyauu	na	Shallow well	4.17673	33.03665	1194	2003	na	6	Tanre	na	2003	na	na	Unfunctioning	na	na	na	na	na	na
HP-207	Nzoga	Itob	Itob	9	Nzogampya	na	Shallow well	4.16898	33.01861	1188	2002	na	18	no pump	na	2002	na	na	Pump Removed	na	na	na	na	na	na
HP-208	Nzoga	Itob	Itob	9	Nzogampya	na	Shallow well	4.16485	33.02494	1190	2003	na	7	no pump	na	2003	na	na	Pump Removed	Clear	Fresh	27.8	6	0.8	10.9
HP-209	Nzoga	Itob	Itob	9	Uurini	na	Shallow well	4.1728	33.02593	1183	2005	na	7	no pump	na	2005	na	na	Pump Removed	na	na	na	na	na	na
HP-210	Nzoga	Itob	Itob	9	Ukwale	na	Shallow well	4.16868	33.00468	1195	2003	na	7.2	Tanre	na	2003	na	na	Functioning	Clear	Fresh	29.6	6.2	0.4	10
HP-211	Nzoga	Itob	Itob	9	Uyombo	na	Shallow well	4.1905	33.02865	1196	2003	na	7	Tanre	na	2003	na	24	Functioning	Clear	Fresh	29.6	6.2	0.4	10
HP-212	Nzoga	Itob	Itob	2	Isabab	na	Shallow well	4.13818	33.02681	1189	2001	na	6	Tanre	na	2001	na	na	Unfunctioning	na	na	na	na	na	na
HP-213	Nzoga	Itob	Itob	2	Isabab	na	Shallow well	4.13252	33.02197	1185	2001	na	7	Tanre	na	2001	na	na	Unfunctioning	na	na	na	na	na	na
HP-214	Nzoga	Itob	Itob	2	Ilo Kali	UNKNOW	Shallow well	4.25863	33.17862	1248	2004	na	6	no pump	na	2004	na	na	Pump Removed	Clear	Clear	23.7	6.2	0.4	12.8
HP-215	Nzoga	Itob	Itob	2	Nzoga Mashanki	UNKNOW	Shallow well	4.25863	33.18471	1250	2006	na	7	Tanre	na	2006	na	na	Unfunctioning	na	na	na	na	na	na
HP-216	Nzoga	Itob	Itob	1	Iyombo Kali	UNKNOW	Shallow well	4.23699	33.15471	1247	2008	na	7	no pump	na	2008	na	na	Pump Removed	na	na	na	na	na	na
HP-217	Nzoga	Itob	Itob	5	Kanyayye	UNKNOW	Shallow well	4.2323	33.2227	1231	2008	na	na	Tanre	na	2008	na	na	Unfunctioning	na	na	na	na	na	na
HP-218	Nzoga	Itob	Itob	5	Kashehi	UNKNOW	Shallow well	4.23442	33.21836	1192	1980	na	na	no pump	na	1980	na	na	Under Construction	na	na	na	na	na	na
HP-219	Nzoga	Itob	Itob	5	Shang'anga	UNKNOW	Shallow well	4.24568	33.20066	1207	2009	na	na	Tanre	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-220	Nzoga	Itob	Itob	5	Silimile	UNKNOW	Shallow well	4.24321	33.20407	1209	1987	na	na	Tanre	na	1987	na	na	Unfunctioning	na	na	na	na	na	na
HP-221	Nzoga	Itob	Itob	5	Widigwa	UNKNOW	Shallow well	4.25865	33.19389	1238	2009	na	6	Tanre	na	2009	na	na	Functioning	Clear	Clear	24.1	6.3	0.4	12.2
HP-222	Nzoga	Kahama Nhalanga	Idilma	5	Idilma	na	Shallow well	32.75423	32.75423	1302	2009	na	6	Tanre	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-223	Nzoga	Kahama Nhalanga	Idilma	5	Idilma	na	Shallow well	4.19423	32.75946	1198	2009	na	7	Tanre	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-224	Nzoga	Kahama Nhalanga	Idilma	5	Kahigwa	na	Shallow well	4.17093	32.78688	1229	2009	na	4.9	Tanre	na	2009	na	na	Functioning	clear	Fresh	28.3	7.2	0.4	44
HP-225	Nzoga	Kahama Nhalanga	Idilma	5	Mudaga	na	Shallow well	4.21483	32.74876	1194	2009	na	7	Tanre	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-226	Nzoga	Kahama Nhalanga	Idilma	5	Murungo	na	Shallow well	4.22184	32.75865	1189	2009	na	6.4	Tanre	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-227	Nzoga	Kahama Nhalanga	Idilma	6	Kahama Nhalanga	na	Shallow well	4.17244	32.78726	1205	2007	na	7	ST	na	2007	na	na	Stolen	na	na	na	na	na	na
HP-228	Nzoga	Kahama Nhalanga	Kahama Nhalanga	6	Kahama Nhalanga	na	Shallow well	4.172	32.79791	1207	2009	na	7	Tanre	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-229	Nzoga	Kahama Nhalanga	Kahama Nhalanga	6	Kahama Nhalanga	na	Shallow well	4.17855	32.79211	1200	2000	na	6	Tanre	na	2000	na	na	Under Construction	na	na	na	na	na	na
HP-230	Nzoga	Kahama Nhalanga	Kahama Nhalanga	6	Kahama Nhalanga	na	Shallow well	4.19168	32.7925	1199	2009	na	7	Tanre	na	2009	na	na	Functioning	clear	Fresh	28.7	6.3	0.4	99
HP-231	Nzoga	Kahama Nhalanga	Kahama Nhalanga	6	Mesa Shikima	na	Shallow well	4.19385	32.78771	1201	2007	na	7	Tanre	na	2007	na	na	Unfunctioning	na	na	na	na	na	na
HP-232	Nzoga	Kahama Nhalanga	Kahama Nhalanga	6	Ndurya	na	Shallow well	4.18663	32.79753	1212	2009	na	6	Tanre	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-233	Nzoga	Kahama Nhalanga	Kililo	4	Busege	na	Shallow well	4.1951	32.80869	1187	2009	na	7.4	Tanre	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-234	Nzoga	Kahama Nhalanga	Kililo	4	Ighu A	na	Shallow well	4.20453	32.84763	1192	2009	na	7.1	Tanre	na	2009	na	na	Unfunctioning	na	na	na	na	na	na
HP-235	Nzoga	Kahama Nhalanga	Kililo	4	Kililo	na	Shallow well	4.19575	32.81593	1199	2002	na	6.2	Tanre	na	2002	na	24	Functioning	na	na	na	na	na	na
HP-236	Nzoga	Kahama Nhalanga	Kililo	4	Kililo	na	Shallow well	4.19865	32.82936	1189	1980	na	6.4	no pump	na	1980	na	na	Pump Removed	na	na	na	na	na	na
HP-237	Nzoga	Kahama Nhalanga	Nhabala	6	Kakoma	na	Shallow well	4.16665	32.67681	1225	2009	na	8	Tanre	na	2009	na	na	Functioning	clear	Fresh	26.9	6.4	0.4	92
HP-238	Nzoga	Kahama Nhalanga	Nhabala	6	Miliani	na	Shallow well	4.13919	32.67208	1211	2009	na	6.9	Tanre	na	2009	na	24	Unfunctioning	na	na	na	na	na	na
HP-239	Nzoga	Kahama Nhalanga	Nhabala	6	Mwamakumbi A	na	Shallow well	4.12137	32.70629	1207	2009	na	4	Tanre	na	2009	na	na	Under Construction	na	na	na	na	na	na
HP-240	Nzoga	Kahama Nhalanga	Nhabala	6	Mwamakumbi B	na	Shallow well	4.13766	32.72451	1222	2009	na	7	Tanre	na	2009	na	na	Functioning	na	na	na	na	na	na

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					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Water Level (m)	Static Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)
HP-241	Nzoga	Kahama Nhalaga	Nhabala	6	Nhalaga	na	Shallow well	4,0867, 32,69055	1202	2009	na	7	Tanre	7	2009	na	na	Under Construction	na	na	na	na	na	na	na
HP-242	Nzoga	Kahama Nhalaga	Nhabala	6	Nhabala	na	Shallow well	4,13915, 32,69303	1206	2004	na	6	Tanre	6	2004	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-243	Nzoga	Karu	Bulunde	7	Bulunde	na	Shallow well	4,0653, 32,97432	1237	1990	na	7	no pump	na	1990	na	na	Pump Removed	na	na	na	na	na	na	na
HP-244	Nzoga	Karu	Bulunde	7	Bulunde	na	Shallow well	4,30714, 32,97554	1235	2009	na	6.9	Tanre	na	2009	na	na	Functioning	Mky	Fresh	27.8	6.3	0.4	63	
HP-245	Nzoga	Karu	Bulunde	7	Bulunde	na	Shallow well	4,30648, 32,9976	1249	1990	na	6.1	no pump	na	na	na	24	Pump Removed	na	na	na	na	na	na	na
HP-246	Nzoga	Karu	Bulunde	7	Bulunde	na	Shallow well	4,30204, 32,99613	1247	2001	na	na	Tanre	na	2001	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-247	Nzoga	Karu	Bulunde	7	Bulunde	na	Shallow well	4,30039, 32,99198	1245	1990	na	5	Tanre	na	1990	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-248	Nzoga	Karu	Bulunde	7	Bulunde	na	Shallow well	4,30028, 32,97648	1242	1999	na	6.5	Tanre	na	1999	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-249	Nzoga	Karu	Bulunde	7	Bulunde	na	Shallow well	4,33867, 32,97318	1208	2009	na	7	Tanre	na	2009	na	na	Functioning	Clear	Fresh	28.6	6.1	0.4	12	
HP-250	Nzoga	Karu	Gulumbal	2	Gulumbal	na	Shallow well	4,25673, 32,96351	1208	2009	na	na	Tanre	na	2009	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-251	Nzoga	Karu	Gulumbal	2	Gulumbal	na	Shallow well	4,28983, 32,96832	1245	2007	na	6	Tanre	4	2007	na	na	Functioning	Clear	Clear	27.8	6.4	0.4	11.2	
HP-252	Nzoga	Karu	Idubulu	9	Idubulu	na	Shallow well	4,2123, 30,00037	1217	2009	na	7	Tanre	7	2009	na	na	Functioning	Clear	Clear	27.2	5.8	0.4	10.2	
HP-253	Nzoga	Karu	Idubulu	9	Idubulu	na	Shallow well	4,2108, 30,99078	1208	2000	na	na	Tanre	na	2000	na	na	Functioning	Clear	Clear	29.6	6.2	0.4	10	
HP-254	Nzoga	Karu	Idubulu	9	Idubulu	na	Shallow well	4,24698, 30,01539	1231	2003	na	6	Tanre	6	2003	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-255	Nzoga	Karu	Idubulu	9	Idubulu	na	Shallow well	4,25863, 32,96641	1214	2003	na	na	Tanre	na	2003	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-256	Nzoga	Karu	Idubulu	9	Idubulu	na	Shallow well	4,25877, 30,99947	1208	2001	na	na	Tanre	na	2001	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-257	Nzoga	Karu	Idubulu	9	Idubulu	na	Shallow well	4,23469, 32,99889	1212	2003	na	na	Tanre	na	2003	na	na	Unfunctioning	Clear	Clear	29.7	5.8	0.4	10.8	
HP-258	Nzoga	Karu	Idubulu	9	Idubulu	na	Shallow well	4,23958, 32,97429	1204	2001	na	6	Tanre	6	2001	na	na	Functioning	Clear	Clear	27.8	5.9	0.4	10.8	
HP-259	Nzoga	Karu	Idubulu	9	Idubulu	na	Shallow well	4,23118, 30,99880	1205	2003	na	na	Tanre	na	2003	na	na	Functioning	Clear	Clear	29.7	5.8	0.4	10.8	
HP-260	Nzoga	Karu	Idubulu	9	Idubulu	na	Shallow well	4,2384, 30,01224	1224	2009	na	5	Tanre	5	2009	na	na	Functioning	Clear	Clear	27.3	5.8	0.4	10.4	
HP-261	Nzoga	Karu	Idubulu	12	Idubulu	na	Shallow well	4,26255, 32,96642	1222	2000	na	6	Tanre	6	2000	na	na	Functioning	Mky	Clear	27.3	6.4	0.4	10.2	
HP-262	Nzoga	Karu	Idubulu	12	Idubulu	na	Shallow well	4,27183, 32,98118	1242	2008	na	7	Tanre	7	2008	na	na	Functioning	Clear	Clear	27.5	6.3	0.4	10.8	
HP-263	Nzoga	Karu	Idubulu	12	Idubulu	na	Shallow well	4,28698, 32,99207	1234	2009	na	5	Tanre	5	2009	na	na	Functioning	Mky	Clear	27.4	5.9	0.4	10.4	
HP-264	Nzoga	Karu	Idubulu	12	Idubulu	na	Shallow well	4,28098, 32,97488	1242	2008	na	7	Tanre	7	2008	na	na	Functioning	Mky	Clear	27.9	5.9	0.4	10.9	
HP-265	Nzoga	Karu	Idubulu	12	Idubulu	na	Shallow well	4,2623, 30,983	1227	2008	na	6	Tanre	6	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-266	Nzoga	Karu	Idubulu	12	Idubulu	na	Shallow well	4,26268, 32,97483	1248	2009	na	6.6	Tanre	na	2009	na	na	Functioning	Clear	Clear	28.6	6.8	0.4	10.9	
HP-268	Nzoga	Karu	Idubulu	12	Idubulu	na	Shallow well	4,2591, 32,99709	1240	2001	na	na	Tanre	na	2001	na	na	Functioning	Clear	Clear	26.9	6.4	0.4	10.1	
HP-269	Nzoga	Karu	Idubulu	12	Idubulu	na	Shallow well	4,28942, 32,98138	1252	2001	na	6.5	Tanre	na	2001	na	na	Functioning	Clear	Clear	27.6	6.5	0.4	12	
HP-270	Nzoga	Karu	Idubulu	12	Idubulu	na	Shallow well	4,2714, 30,00332	1230	2005	na	7	Tanre	na	2005	na	na	Functioning	Clear	Clear	27.8	5.2	0.4	12.2	
HP-271	Nzoga	Karu	Idubulu	12	Idubulu	na	Shallow well	4,26362, 30,00040	1240	2005	na	6	Tanre	na	2005	na	na	Functioning	Mky	Clear	27.9	6.3	0.4	10.9	
HP-273	Nzoga	Kasaha	Kasaha	15	Kasaha	na	Shallow well	4,08731, 32,99207	1150	2001	na	8	Tanre	na	2001	na	na	Functioning	Clear	Fresh	27.1	6.1	ND	19	
HP-274	Nzoga	Kasaha	Kasaha	15	Kasaha	na	Shallow well	4,11424, 33,0085	1180	2001	na	7	Tanre	na	2001	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-275	Nzoga	Kasaha	Kasaha	15	Kasaha	na	Shallow well	4,1048, 33,0089	1171	2001	na	7.2	Tanre	na	2001	na	na	Functioning	Clear	Fresh	27.92	6.1	ND	11	
HP-276	Nzoga	Kasaha	Kasaha	15	Kasaha	na	Shallow well	4,10775, 33,01673	1186	2001	na	7.6	Tanre	na	2001	na	na	Stolen	na	na	na	na	na	na	na
HP-277	Nzoga	Kasaha	Kasaha	15	Kasaha	na	Shallow well	4,07258, 32,99339	1152	2001	na	8	Tanre	na	2001	na	na	Stolen	na	na	na	na	na	na	na
HP-278	Nzoga	Kasaha	Kasaha	15	Kasaha	na	Shallow well	4,09219, 32,97619	1155	2001	na	7	Tanre	na	2001	na	na	Stolen	na	na	na	na	na	na	na
HP-279	Nzoga	Kasaha	Kasaha	15	Kasaha	na	Shallow well	4,08862, 32,97381	1159	2001	na	6	Tanre	na	2001	na	na	Stolen	na	na	na	na	na	na	na
HP-280	Nzoga	Kasaha	Kasaha	15	Kasaha	na	Shallow well	4,05648, 32,98019	1155	2001	na	4.9	Tanre	na	2001	na	na	Stolen	na	na	na	na	na	na	na

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Hand Pump ID	District Municipality	Ward	Village / Street	Number of Households in Village	General Information				GPS Coordinates (Map Datum Arc 1980)				Well Information				Handpump Information					Water Quality on the field				
					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Static Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Date (m/yr)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)	
HP-281	Nzoga	Kasala	Kasala	15	Kasala	na	Shallow well	4.0584	33.0126	1186	2004	na	7.8	na	2004	na	24	Functioning	Clear	Fresh	27.8	6	ND	9.9		
HP-282	Nzoga	Kasala	Kasala	15	Kasala	na	Shallow well	4.0593	33.0136	1172	2004	na	8	na	2004	na	na	Unfunctioning	na	na	na	na	na	na		
HP-283	Nzoga	Kasala	Kasala	15	Kasala	na	Shallow well	4.0529	33.0207	1171	1984	na	na	na	1984	na	na	Pump Removed	na	na	na	na	na	na		
HP-284	Nzoga	Kasala	Kasala	15	Kasala	na	Shallow well	4.0515	33.0079	1165	2001	na	7	na	2001	na	na	Functioning	Clear	Fresh	27.6	6	ND	18		
HP-285	Nzoga	Kasala	Kasala	15	Njika	na	Shallow well	4.0674	32.9312	1151	2001	na	9.1	na	2001	na	na	Functioning	Clear	Fresh	27.9	6.4	ND	26		
HP-286	Nzoga	Kasala	Kasala	15	Njika	na	Shallow well	4.081	32.8448	1156	2003	na	11	na	2003	na	na	Unfunctioning	na	na	na	na	na	na		
HP-287	Nzoga	Kasala	Kasala	15	Njika	na	Shallow well	4.1024	32.9744	1160	2001	na	7	na	2001	na	na	Stolen	na	na	na	na	na	na		
HP-288	Nzoga	Kasala	Lububu	5	Igatali	na	Shallow well	4.1087	32.9736	1171	2001	na	6	na	2001	na	na	Unfunctioning	na	na	na	na	na	na		
HP-289	Nzoga	Kasala	Lububu	5	Igatali	na	Shallow well	4.1124	32.9834	1176	2001	na	6	na	2001	na	24	Functioning	Clear	Fresh	27	6.1	0.4	75		
HP-290	Nzoga	Kasala	Lububu	5	Lububu	na	Shallow well	4.1274	32.9906	1193	2001	na	6	na	2001	na	na	Unfunctioning	na	na	na	na	na	na		
HP-291	Nzoga	Kasala	Lububu	5	Lububu	na	Shallow well	4.1116	32.9896	1187	2001	na	7	na	2001	na	24	Stolen	na	na	na	na	na	na		
HP-292	Nzoga	Kasala	Lububu	5	Lububu	na	Shallow well	4.1184	32.9818	1188	2001	na	6	na	2001	na	24	Functioning	Clear	Fresh	28.2	6.5	0.4	49		
HP-293	Nzoga	Kasala	Nrudo	2	Nrudo	na	Shallow well	4.0765	33.0120	1136	2003	na	6	na	na	na	Unfunctioning	na	na	na	na	na	na			
HP-294	Nzoga	Kasala	Nrudo	2	Sumbi	na	Shallow well	4.0737	33.0080	1159	2004	na	6	na	2004	na	24	Functioning	Mky	Fresh	27.9	5.9	ND	10		
HP-295	Nzoga	Kasala	Songu	1	Uburungu	na	Shallow well	4.0547	32.9772	1145	na	na	7.4	na	na	na	na	Functioning	Mky	Fresh	27.8	5.6	ND	26.4		
HP-296	Nzoga	Kasala	Lububu	17	Hungaga	UNKNOW	Shallow well	4.1651	32.9758	1200	2003	na	8	na	2003	na	24	Functioning	Clear	Fresh	27	6	0.4	26		
HP-297	Nzoga	Kasala	Lububu	17	Hungaga	UNKNOW	Shallow well	4.1683	32.9709	1197	2003	na	10	na	2003	na	24	Functioning	Clear	Fresh	27.1	6.1	ND	15		
HP-298	Nzoga	Kasala	Lububu	17	Mjengo	UNKNOW	Shallow well	4.1721	32.9542	1195	2003	na	6	na	2003	na	24	Functioning	Mky	Clear	27.2	6.3	ND	12		
HP-299	Nzoga	Kasala	Lububu	17	Mjengo	UNKNOW	Shallow well	4.1656	32.9670	1195	2003	na	4	na	2003	na	24	Functioning	na	na	na	na	na	na		
HP-300	Nzoga	Kasala	Lububu	17	Mjengo	UNKNOW	Shallow well	4.1812	32.9598	1196	2003	na	6	na	2003	na	24	Functioning	Clear	Fresh	27	5.9	0.4	26		
HP-301	Nzoga	Kasala	Lububu	17	Ngwala	UNKNOW	Shallow well	4.1364	32.9872	1194	2003	na	6	na	2003	na	na	Unfunctioning	na	na	na	na	na	na		
HP-302	Nzoga	Kasala	Lububu	17	Ngwala	UNKNOW	Shallow well	4.1368	32.9727	1196	2003	na	7	na	2003	na	na	Unfunctioning	na	na	na	na	na	na		
HP-303	Nzoga	Kasala	Lububu	17	Ngwala	UNKNOW	Shallow well	4.1337	32.9866	1206	2003	na	10	na	2003	na	na	Functioning	Clear	Fresh	27	6.9	ND	12		
HP-304	Nzoga	Kasala	Lububu	17	Nungulu	UNKNOW	Shallow well	4.1357	32.9515	1199	2003	na	6.9	na	2003	na	24	Functioning	Clear	Salty	27.9	5.1	1.42	286.1		
HP-305	Nzoga	Kasala	Lububu	17	Nungulu	UNKNOW	Shallow well	4.1311	32.9754	1192	2000	na	7.4	na	2000	na	2008	Stolen	na	na	na	na	na	na		
HP-306	Nzoga	Kasala	Lububu	17	Nungulu	UNKNOW	Shallow well	4.1247	32.9892	1188	2003	na	8.1	na	2003	na	24	Functioning	Clear	Fresh	26.91	6.9	ND	29.8		
HP-307	Nzoga	Kasala	Lububu	17	Nyashamba	UNKNOW	Shallow well	4.1286	32.9876	1234	2003	na	na	na	2003	na	24	Functioning	Clear	Salty	27.9	5	1.53	219		
HP-308	Nzoga	Kasala	Lububu	17	Nyashamba	UNKNOW	Shallow well	4.126	32.9843	1189	2003	na	na	na	2003	na	24	Functioning	Clear	Salty	27.8	5	1.48	292		
HP-309	Nzoga	Kasala	Lububu	17	Sabaga	UNKNOW	Shallow well	4.1804	32.9929	1204	2003	na	7	na	2003	na	24	Functioning	Clear	Fresh	27.1	5.4	0.4	28		
HP-310	Nzoga	Kasala	Lububu	17	Utau	UNKNOW	Shallow well	4.1723	32.9839	1209	2000	na	6.4	na	2000	na	2008	Unfunctioning	na	na	na	na	na	na		
HP-311	Nzoga	Kasala	Lububu	17	Utau	UNKNOW	Shallow well	4.1586	32.9542	1209	2003	na	4.2	na	2003	na	24	Functioning	Clear	Fresh	26.9	6.8	0.4	41		
HP-312	Nzoga	Kasala	Lububu	17	Utau	UNKNOW	Shallow well	4.1501	32.9625	1208	2003	na	7	na	2003	na	na	Stolen	na	na	na	na	na	na		
HP-313	Nzoga	Lusu	Bujulu	4	Bujulu	UNKNOW	Deep well	4.0747	33.2336	1141	2005	na	60	na	2005	na	na	Functioning	Clear	Salty	27.2	5.9	0.4	40		
HP-314	Nzoga	Lusu	Bujulu	4	Igatali	UNKNOW	Deep well	4.0515	33.2562	1134	2005	na	75	na	2005	na	na	Functioning	Clear	Clear	26.8	6.1	0.4	63		
HP-315	Nzoga	Lusu	Bujulu	4	Murulu	UNKNOW	Deep well	4.033	33.2326	1119	2005	na	50	na	2005	na	na	Functioning	Clear	Clear	27.1	6.8	0.6	36		
HP-316	Nzoga	Lusu	Bujulu	4	Mwamaka	UNKNOW	Deep well	4.0567	32.9516	1145	2005	na	100	na	2005	na	na	Functioning	Clear	Clear	27.2	5.7	0.4	7.2		
HP-317	Nzoga	Lusu	Fumba	5	Fumba	UNKNOW	Uthrom	4.0254	33.2475	1121	2003	na	na	na	2003	na	na	Unfunctioning	na	na	na	na	na	na		
HP-318	Nzoga	Lusu	Fumba	5	Fumba	UNKNOW	Uthrom	3.9956	33.2383	1099	2005	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na		
HP-319	Nzoga	Lusu	Fumba	5	Fumba	UNKNOW	Uthrom	4.081	33.2369	1112	2005	na	85	na	2005	na	na	Functioning	Clear	Clear	26.8	6.2	0.8	18		
HP-320	Nzoga	Lusu	Fumba	5	Fumba	UNKNOW	Uthrom	3.9924	33.2581	1103	2005	na	81	na	2005	na	na	Functioning	Clear	Clear	26.5	6.3	0.4	12		

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Hand Pump ID	District Municipality	Ward	Village / Street	Number of Households in Village	General Information				GPS Coordinates (Map Datum Arc 1980)				Well Information				Handpump Information					Water Quality on the field				
					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	State Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (µS/cm)	
HP-321	Nzoga	Lusu	rumba	5	Tindempye	UNKNOW	Shallow well	3.9784	33.2439	1109	2005	na	80	Aklev	na	na	na	Functioning	Clear	Salty	26.9	6.7	0.4	36.8		
HP-322	Nzoga	Lusu	Isanga	2	Iponyamandu	UNKNOW	Shallow well	4.0540	33.1928	1131	2005	na	58	Aklev	na	na	na	Unfunctioning	na	na	na	na	na	na		
HP-323	Nzoga	Lusu	bangi	2	Mwanda	UNKNOW	Shallow well	4.0467	33.2107	1121	2005	na	72	Aklev	na	2005	na	Functioning	Clear	Salty	27.1	7.6	0.8	162		
HP-324	Nzoga	Lusu	Mwabasa	1	Mwabasa	UNKNOW	Shallow well	3.9193	33.2393	1076	2005	na	na	Aklev	na	2005	na	Functioning	Mud	Salty	27.9	7.2	0.8	122		
HP-325	Nzoga	Lusu	Mwazwilo	9	Bugesala	UNKNOW	Shallow well	3.98	33.2441	1103	2003	na	na	Tanna	na	na	24	Unfunctioning	na	na	na	na	na	na		
HP-326	Nzoga	Lusu	Mwazwilo	9	Bugesala	UNKNOW	Shallow well	3.9884	33.2361	1103	2003	na	na	Tanna	na	na	24	Unfunctioning	na	na	na	na	na	na		
HP-327	Nzoga	Lusu	Mwazwilo	9	Bugesala	UNKNOW	Shallow well	3.9921	33.2356	1102	2003	na	na	Tanna	na	na	24	Unfunctioning	na	na	na	na	na	na		
HP-328	Nzoga	Lusu	Mwazwilo	9	Bujinja	UNKNOW	Deep well	4.0156	33.2182	1124	2005	na	na	Tanna	na	2005	na	Functioning	Clear	Salty	26.2	7.3	1.22	176.4		
HP-329	Nzoga	Lusu	Mwazwilo	9	Bujinja	UNKNOW	Deep well	4.0746	33.2705	1141	2005	na	na	Tanna	na	2005	na	Functioning	Clear	Salty	26.1	6.8	2.01	236.4		
HP-330	Nzoga	Lusu	Mwazwilo	9	Bujinja	UNKNOW	Deep well	4.0151	33.2367	1135	2005	na	na	Aklev	na	2005	na	Unfunctioning	na	na	na	na	na	na		
HP-331	Nzoga	Lusu	Mwazwilo	9	Mwazwilo	UNKNOW	Shallow well	4.0201	33.2141	1122	1996	na	na	Indian Mk	na	1997	na	Functioning	Clear	Salty	27.8	6.9	0.8	50		
HP-332	Nzoga	Lusu	Mwazwilo	9	Mwazwilo	UNKNOW	Shallow well	4.0285	33.2154	1131	2005	na	na	Aklev	na	2005	na	Functioning	Clear	Salty	26.6	6.1	0.4	41.4		
HP-333	Nzoga	Lusu	Mwazwilo	9	Mwazwilo	UNKNOW	Shallow well	4.0023	33.2199	1124	2005	na	na	Aklev	na	2005	na	Functioning	Clear	Salty	27.9	7.6	3.91	126		
HP-334	Nzoga	Lusu	Mwazwilo	5	Mwazwilo	UNKNOW	Deep well	3.9947	33.2979	1104	2005	na	67	Aklev	na	2005	na	Functioning	Clear	Salty	27.7	8.2	1.51	369.9		
HP-335	Nzoga	Lusu	Mwazwilo	5	Mwazwilo	UNKNOW	Deep well	4.0046	33.3185	1106	2005	na	na	Aklev	na	2005	na	Unfunctioning	na	na	na	na	na	na		
HP-336	Nzoga	Lusu	Mwazwilo	5	Mwazwilo	UNKNOW	Deep well	3.9784	33.3323	1095	2005	na	na	no pump	na	na	na	Pump Removed	na	na	na	na	na	na		
HP-337	Nzoga	Lusu	Mwazwilo	5	Ngi Wanduyidiko	UNKNOW	Deep well	3.9572	33.3086	1086	2005	na	na	Tanna	na	1998	na	Unfunctioning	na	na	na	na	na	na		
HP-338	Nzoga	Lusu	Mwazwilo	5	Nzoga	UNKNOW	Deep well	4.0291	33.1925	1109	2005	na	na	Aklev	na	2005	na	Functioning	Clear	Salty	29.7	7.6	3.31	177.2		
HP-339	Nzoga	Magengati	Idemhina	1	Idemhina Ju	na	Shallow well	4.8348	33.0217	1274	2009	na	6	Tanna	na	2009	na	Functioning	clear	Fresh	27.8	6.7	0.4	47		
HP-340	Nzoga	Magengati	Inanga	4	Kjoma Road	na	Shallow well	4.7878	33.0752	1235	1983	na	7	no pump	na	na	na	Pump Removed	na	na	na	na	na	na		
HP-341	Nzoga	Magengati	Inanga	4	Mwaza Road	na	Shallow well	4.7915	33.1183	1224	1970	na	7	no pump	na	na	na	Pump Removed	na	na	na	na	na	na		
HP-342	Nzoga	Magengati	Inanga	4	Shinyanga Road	na	Shallow well	4.7723	33.0928	1223	2009	na	8	Tanna	na	2009	na	Functioning	clear	Fresh	26.5	7.5	0.4	65		
HP-343	Nzoga	Magengati	Inanga	4	Tabora Road	na	Shallow well	4.7959	33.0959	1233	2009	na	8	Shinyanga pump	na	1970	na	Unfunctioning	na	na	na	na	na	na		
HP-344	Nzoga	Magengati	Kaleni	1	Kagera	na	Shallow well	4.8103	33.0152	1255	2009	na	4	Tanna	na	2009	na	Functioning	clear	Fresh	27	6.8	0.4	55		
HP-345	Nzoga	Magengati	Magengati	5	Changomba	na	Shallow well	4.8128	33.0579	1275	2009	na	8	Tanna	na	2009	na	Unfunctioning	na	na	na	na	na	na		
HP-346	Nzoga	Magengati	Magengati	5	Kipanzirino	na	Shallow well	4.8164	33.0546	1266	2009	na	6	Tanna	na	2009	na	Functioning	clear	Fresh	26.7	6.5	0.4	43		
HP-347	Nzoga	Magengati	Magengati	5	Mwazi	na	Shallow well	4.8152	33.08174	1285	1980	na	7	Shinyanga pump	na	na	na	Abandoned	na	na	na	na	na	na		
HP-348	Nzoga	Magengati	Magengati	5	Mwazi	na	Shallow well	4.8147	33.09118	1283	1980	na	7	Shinyanga pump	na	na	na	Abandoned	na	na	na	na	na	na		
HP-349	Nzoga	Magengati	Magengati	5	Mwazi	na	Shallow well	4.8141	33.09302	1283	1970	na	8	Shinyanga pump	na	na	na	Abandoned	na	na	na	na	na	na		
HP-350	Nzoga	Magengati	Usigali	1	Mumbani	na	Shallow well	4.7945	33.1373	1223	2007	na	na	no pump	na	na	na	Pump Removed	na	na	na	na	na	na		
HP-351	Nzoga	Mambai	Guyamba	2	Guyamba	na	Deep well	4.5274	32.7748	1193	2007	na	50	Aklev	na	2007	na	Functioning	Mky	Salty	27.1	6	0.8	56.9		
HP-352	Nzoga	Mambai	Guyamba	2	Njalamba	na	Deep well	4.5597	32.7967	1165	2007	na	39	Aklev	na	2007	na	Unfunctioning	na	na	na	na	na	na		
HP-353	Nzoga	Mambai	Kionole	9	Igulu	na	Deep well	4.5627	32.6862	1181	2007	na	52	Aklev	na	2007	na	Functioning	Clear	Clear	27	6.2	0.4	120		
HP-354	Nzoga	Mambai	Kionole	9	Igulu	na	Deep well	4.5528	32.68517	1179	2007	na	67	Aklev	na	2007	na	Functioning	Clear	Life Salty	26.5	6.4	0.4	206		
HP-355	Nzoga	Mambai	Kionole	9	Kionole	na	Deep well	4.5565	32.6984	1159	2007	na	24	Aklev	na	2007	na	Functioning	na	na	na	na	na	na		
HP-356	Nzoga	Mambai	Kionole	9	Kionole	na	Deep well	4.5809	32.7131	1185	2007	na	33	Aklev	na	2007	na	Functioning	Clear	No Salty	26	6	ND	70		
HP-357	Nzoga	Mambai	Kionole	9	Njicha	na	Deep well	4.5233	32.6468	1184	2007	na	50	Aklev	na	2007	na	Functioning	Mky	Life Salty	26.8	6	0.4	250		
HP-358	Nzoga	Mambai	Kionole	9	Shilaga	na	Deep well	4.6171	32.6156	1193	2007	na	35	Aklev	na	2007	na	Functioning	Mky	Life Salty	26	6.2	0.8	450		
HP-359	Nzoga	Mambai	Kionole	9	Ujira	na	Deep well	4.6215	32.7672	1151	2008	na	41	Aklev	na	2008	na	Functioning	Mky	Salty	27.1	7	1.37	250		
HP-360	Nzoga	Mambai	Kionole	9	Ukenole	na	Deep well	4.5597	32.68972	1177	2007	na	61	Aklev	na	2007	na	Functioning	Clear	No Salty	26.8	6.9	ND	50		

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Hand Pump ID	District Municipality	Village	Village / Street	Number of Households in Village	General Information				GPS Coordinates (Map Datum Arc 1980)				Well Information				Handpump Information					Water Quality on the field				
					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Drilling Year	Drilling Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Completion (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)				
HP-361	Nzoga	Mambai	Kiconole	9		na	Deep well	456854	32.6965	1170	2007	na	47	Ablev	na	2007	na	24	Functioning	Clear	Like Salty	27	6.5	0.4	125	
HP-362	Nzoga	Mambai	Iyaje	9		na	Deep well	456848	32.7252	1175	2007	na	60	Ablev	na	2007	na	24	Functioning	Clear	Fresh	28	6	0.4	301	
HP-363	Nzoga	Mambai	Kozina	9		na	Deep well	455282	32.7008	1203	2007	na	36.98	Ablev	na	2007	na	24	Functioning	Clear	Fresh	27.1	6.8	ND	256	
HP-364	Nzoga	Mambai	Koali	9		na	Deep well	455268	32.6854	1202	2007	na	40	Ablev	na	2007	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-365	Nzoga	Mambai	Mambai	9		na	Deep well	455758	32.8541	1216	2007	na	66	Ablev	na	2007	na	24	Functioning	Clear	No Salty	27	6	ND	98	
HP-366	Nzoga	Mambai	Mambai	9		na	Deep well	455674	32.8572	1208	2007	na	60	Ablev	na	2007	na	24	Functioning	Clear	No Salty	26	6	ND	150	
HP-367	Nzoga	Mambai	Ngwutu	9		na	Deep well	450476	32.7273	1205	2007	na	78	Ablev	na	2007	na	24	Functioning	Clear	Fresh	27.8	7	0.4	150	
HP-368	Nzoga	Mambai	Nzoga	9		na	Deep well	448617	32.7475	1205	2007	na	46	Ablev	na	2007	na	24	Functioning	Clear	Salty like	26.8	7	ND	40	
HP-369	Nzoga	Mambai	Utra	9		na	Deep well	451258	32.6388	1214	2007	na	43	Ablev	na	2007	na	24	Functioning	Clear	Fresh	27	6.2	ND	140	
HP-370	Nzoga	Mambai	Waja	9		na	Deep well	45473	32.7195	1196	2007	na	51	Ablev	na	2007	na	24	Functioning	Clear	Fresh	27	6.6	0.4	251	
HP-371	Nzoga	Mambai	Dumali	11		na	Deep well	436798	32.8315	1213	2008	na	48	Ablev	na	2008	na	24	Functioning	Clear	Fresh	27.2	6	0.4	249	
HP-372	Nzoga	Mambai	Iubahis	11		na	Deep well	441503	32.8457	1204	2008	na	30	Ablev	na	2008	na	24	Functioning	Clear	No Salty	26.9	6.4	ND	105	
HP-373	Nzoga	Mambai	Izaja	11		na	Shallow well	441567	32.7787	1214	2007	na	na	na	Tanna	na	2007	na	24	Functioning	Clear	Fresh	27	6.2	ND	140
HP-374	Nzoga	Mambai	Izaja	11		na	Deep well	441658	32.7946	1230	2008	na	na	na	Ablev	na	2008	na	24	Functioning	Clear	No Salty	27.1	6.5	0.4	290
HP-375	Nzoga	Mambai	Kidake	11		na	Shallow well	441258	32.8158	1228	2007	na	2.2	Tanna	na	2007	na	24	Functioning	Clear	No Salty	27	5.8	ND	17	
HP-376	Nzoga	Mambai	Kidagili	11		na	Deep well	439812	32.8288	1220	2007	na	55	Ablev	na	2007	na	24	Functioning	Clear	No Salty	26.9	7	0.4	21	
HP-377	Nzoga	Mambai	Mutu Kati	11		na	Deep well	438187	32.79212	1208	2007	na	60	Ablev	na	2007	na	24	Functioning	Clear	No Salty	27.5	7.2	0.4	210	
HP-378	Nzoga	Mambai	Mutu Kati	11		na	Shallow well	438187	32.79212	1207	1981	na	na	no pump	na	2007	na	na	Pump Removed	na	na	na	na	na	na	na
HP-379	Nzoga	Mambai	Mutu Kati	11		na	Shallow well	440247	32.7807	1213	1981	na	na	no pump	na	1981	na	na	Pump Removed	na	na	na	na	na	na	na
HP-380	Nzoga	Mambai	Mutu Kati	11		na	Deep well	440103	32.79138	1226	2007	na	na	Ablev	na	2007	na	na	Functioning	Clear	Salty	26.9	7	1.43	320.5	
HP-381	Nzoga	Mambai	Nasa	11		na	Deep well	437186	32.8076	1216	2008	na	61	Ablev	na	2008	na	24	Functioning	Clear	No Salty	27.4	6.8	ND	190	
HP-382	Nzoga	Mambai	Mwamali	11		na	Deep well	44668	32.8226	1182	2008	na	40	Ablev	na	2008	na	24	Functioning	Clear	Fresh	26.8	6.8	ND	16	
HP-383	Nzoga	Mambai	Mwino	3		na	Deep well	446837	32.8306	1181	2008	na	50	Ablev	na	2008	na	24	Functioning	Clear	No Salty	27	6.8	ND	21	
HP-384	Nzoga	Mambai	Mwino	3		na	Deep well	444683	32.8375	1184	2008	na	50	Ablev	na	2008	na	24	Functioning	Clear	Like Salty	27.8	6.8	0.8	49	
HP-385	Nzoga	Mambai	Mwino	3		na	Deep well	443423	32.8177	1201	2008	na	50	Ablev	na	2008	na	24	Functioning	Clear	Fresh	26.9	6.4	0.4	25	
HP-386	Nzoga	Mambai	Nirudu	4		na	Deep well	446854	32.8258	1201	2007	na	37	Ablev	na	2007	na	24	Functioning	Clear	No Salty	26.8	6.8	0.4	25	
HP-387	Nzoga	Mambai	Nirudu	4		na	Deep well	446238	32.8287	1194	2007	na	43	Ablev	na	2007	na	24	Functioning	Clear	Fresh	26	6.4	ND	124	
HP-388	Nzoga	Mambai	Nirudu	4		na	Deep well	445304	32.8173	1200	2008	na	50	Ablev	na	2008	na	24	Functioning	Clear	Fresh	27.8	6	0.4	135	
HP-389	Nzoga	Mambai	Nirudu	4		na	Deep well	44863	32.79711	1212	2008	na	40	Ablev	na	2008	na	24	Functioning	Clear	Fresh	27.4	7.1	0.4	188	
HP-390	Nzoga	Mambai	Shilego	5		na	Deep well	444698	32.7487	1217	2007	na	48	Ablev	na	2007	na	24	Functioning	Clear	No Salty	27	6.6	ND	150	
HP-391	Nzoga	Mambai	Shilego	5		na	Deep well	441725	32.7484	1210	2007	na	61	Ablev	na	2007	na	24	Functioning	Clear	No Salty	27.6	6.8	0.4	38	
HP-392	Nzoga	Mambai	Shilego	5		na	Deep well	443027	32.7784	1221	2007	na	40	Ablev	na	2007	na	24	Functioning	Clear	Fresh	27.8	6.2	ND	169	
HP-393	Nzoga	Mambai	Shilego	5		na	Deep well	446865	32.7806	1223	2008	na	48	Ablev	na	2008	na	24	Functioning	Clear	No Salty	26.9	6.4	ND	115	
HP-394	Nzoga	Mambai	Shilego	5		na	Deep well	443467	32.7673	1223	2007	na	72	Ablev	na	2007	na	24	Functioning	Clear	No Salty	26.1	6.8	0.4	40	
HP-395	Nzoga	Mogwe	Shilego	7		na	UNKNOW	445467	32.7673	1223	2003	na	na	Tanna	na	2003	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-396	Nzoga	Mogwe	Mogwe	7		na	UNKNOW	415883	32.8365	1190	2007	na	na	Tanna	na	2007	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-397	Nzoga	Mogwe	Mogwe	7		na	UNKNOW	415883	32.8365	1187	2007	na	na	Tanna	na	2007	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-398	Nzoga	Mogwe	Mogwe	7		na	UNKNOW	415327	32.8365	1188	2002	na	na	Tanna	na	2002	na	24	Functioning	Clear	Clear	26.6	6.8	0.4	52	
HP-399	Nzoga	Mogwe	Mogwe	7		na	UNKNOW	41653	32.8388	1201	2003	na	na	Tanna	na	2003	na	24	Functioning	Clear	Clear	26.7	6.8	0.4	67	
HP-400	Nzoga	Mogwe	Mogwe	7		na	UNKNOW	417821	32.8305	1203	2002	na	na	Tanna	na	2002	na	24	Functioning	Clear	Clear	26.2	6.7	0.4	66	
HP-401	Nzoga	Mogwe	Mogwe	7		na	UNKNOW	413664	32.8514	1191	2007	na	na	Tanna	na	2007	na	na	Unfunctioning	na	na	na	na	na	na	na

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				Number of Handpumps in Village	Village / Street	Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Drilling Water Level (m)	Static Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)
HP-401	Nzoga	Mbogwe	Mbogwe	7	Mwambala	7	UNKNOW	Deep well	41.4665	33.2633	1178	2005	na	na	na	24	Functioning	Clear	Salty	29.5	7.8	6.11	95			
HP-402	Nzoga	Nobola	Mbogwe	3	Misana	3	UNKNOW	Deep well	41.1265	33.2978	1171	2008	na	na	na	24	Unfunctioning	na	na	na	na	na	na	na		
HP-403	Nzoga	Nobola	Mbogwe	3	Mwasina	3	UNKNOW	Deep well	40.964	33.2487	1143	2008	na	na	na	24	Functioning	Clear	Salty	28.4	7.7	1.58	165.9			
HP-404	Nzoga	Nobola	Mbogwe	3	Nobola	3	UNKNOW	Shallow well	4.1071	33.2652	1153	2008	na	na	na	24	Under Construction	na	na	na	na	na	na	na		
HP-405	Nzoga	Idadimo	Mgawa	1	Makamboni	1	UNKNOW	Deep well	43.9852	33.3954	1197	2005	na	na	na	24	Functioning	Clear	Salty	28	6.7	0.8	70.8			
HP-406	Nzoga	Huguba	Mgawa	6	Huguba A	6	UNKNOW	Deep well	42.2143	33.3488	1196	1975	na	na	na	24	Pump Removed	Clear	Salty	28.8	7.2	6.21	132.2			
HP-407	Nzoga	Huguba	Mgawa	6	Huguba A	6	UNKNOW	Deep well	42.1961	33.3490	1198	2005	na	na	na	24	Functioning	Clear	Salty	25.4	7.7	4.71	165.9			
HP-408	Nzoga	Huguba	Mgawa	6	Huguba B	6	UNKNOW	Shallow well	42.0955	33.3002	1217	2009	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-409	Nzoga	Huguba	Mgawa	6	Igabo B	6	UNKNOW	Shallow well	42.2458	33.3315	1216	2008	na	na	na	24	Under Construction	na	na	na	na	na	na	na		
HP-410	Nzoga	Huguba	Mgawa	6	Likomoyo A	6	UNKNOW	Shallow well	42.0952	33.3196	1215	2009	na	na	na	na	Under Construction	na	na	na	na	na	na	na		
HP-411	Nzoga	Huguba	Mgawa	6	Ukonamoyo B	6	UNKNOW	Shallow well	42.0945	33.3249	1215	2009	na	na	na	na	Under Construction	na	na	na	na	na	na	na		
HP-412	Nzoga	Klangli	Mgawa	13	Budaha	13	UNKNOW	Shallow well	42.1113	33.2482	1202	2008	na	na	na	24	Unfunctioning	na	na	na	na	na	na	na		
HP-413	Nzoga	Klangli	Mgawa	13	Budaha	13	UNKNOW	Shallow well	42.1063	33.2424	1202	2008	na	na	na	na	Stolen	na	na	na	na	na	na	na		
HP-414	Nzoga	Klangli	Mgawa	13	Budaha	13	UNKNOW	Shallow well	42.1084	33.2437	1204	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-415	Nzoga	Klangli	Mgawa	13	Budaha	13	UNKNOW	Shallow well	42.1101	33.2437	1200	2008	na	na	na	na	Unfunctioning	Mky	Clear	28.2	6.8	0.4	10.2			
HP-416	Nzoga	Klangli	Mgawa	13	Budaha	13	UNKNOW	Shallow well	42.1037	33.2484	1203	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-417	Nzoga	Klangli	Mgawa	13	Budaha	13	UNKNOW	Shallow well	42.1801	33.2466	1204	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-418	Nzoga	Klangli	Mgawa	13	Ipezi	13	UNKNOW	Shallow well	42.0975	33.2577	1203	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-419	Nzoga	Klangli	Mgawa	13	Ipezi	13	UNKNOW	Shallow well	42.1022	33.2578	1195	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-420	Nzoga	Klangli	Mgawa	13	Singisa	13	UNKNOW	Shallow well	42.0344	33.2450	1195	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-421	Nzoga	Klangli	Mgawa	13	Ukuba	13	UNKNOW	Shallow well	42.0267	33.2483	1197	1984	na	na	na	na	Pump Removed	na	na	na	na	na	na	na		
HP-422	Nzoga	Klangli	Mgawa	13	Ukuba	13	UNKNOW	Shallow well	4.2252	33.2448	1215	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-423	Nzoga	Klangli	Mgawa	13	Wiba	13	UNKNOW	Shallow well	41.9816	33.2402	1198	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-424	Nzoga	Klangli	Mgawa	13	Wiba	13	UNKNOW	Shallow well	42.0648	33.2324	1192	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-425	Nzoga	Klangwe	Mgawa	1	Klangwe	1	UNKNOW	Shallow well	42.5862	33.2803	1224	na	na	na	na	24	Pump Removed	na	na	na	na	na	na	na		
HP-426	Nzoga	Mgawa	Mgawa	13	Iamballo	13	UNKNOW	Deep well	41.9172	33.3151	1205	2005	na	na	na	24	Functioning	Clear	Salty	25.5	7.2	3.91	54.3			
HP-427	Nzoga	Mgawa	Mgawa	13	Kechhojo	13	UNKNOW	Shallow well	41.9888	33.2939	1216	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-428	Nzoga	Mgawa	Mgawa	13	Kechhojo	13	UNKNOW	Shallow well	41.7713	33.2915	1197	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-429	Nzoga	Mgawa	Mgawa	13	Mgawa	13	UNKNOW	Shallow well	42.0826	33.3049	1214	2009	na	na	na	24	Functioning	Mky	Clear	28.8	7.3	0.4	63			
HP-430	Nzoga	Mgawa	Mgawa	13	Ngongho	13	UNKNOW	Shallow well	42.0791	33.2954	1221	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-431	Nzoga	Mgawa	Mgawa	13	Ngongho	13	UNKNOW	Shallow well	42.0803	33.2954	1219	2008	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-432	Nzoga	Mgawa	Mgawa	13	Shalang'wa	13	UNKNOW	Shallow well	41.7713	33.2915	1197	2009	na	na	na	na	Under Construction	na	na	na	na	na	na	na		
HP-433	Nzoga	Mgawa	Mgawa	13	Shalang'wa	13	UNKNOW	Shallow well	41.7894	33.2913	1197	2008	na	na	na	na	Under Construction	na	na	na	na	na	na	na		
HP-434	Nzoga	Mgawa	Mgawa	13	Shalang'wa	13	UNKNOW	Shallow well	41.9208	33.2913	1201	2008	na	na	na	na	Abandoned	na	na	na	na	na	na	na		
HP-435	Nzoga	Mgawa	Mgawa	13	Shalang'wa	13	UNKNOW	Shallow well	41.9518	33.2949	1203	2008	na	na	na	na	Under Construction	na	na	na	na	na	na	na		
HP-436	Nzoga	Mgawa	Mgawa	13	Shalang'wa	13	UNKNOW	Shallow well	41.9393	33.2942	1212	2009	na	na	na	na	Under Construction	na	na	na	na	na	na	na		
HP-437	Nzoga	Mgawa	Mgawa	13	Shalang'wa	13	UNKNOW	Shallow well	41.9641	33.2988	1204	2008	na	na	na	na	Under Construction	na	na	na	na	na	na	na		
HP-438	Nzoga	Mgawa	Mgawa	13	Shanamba	13	UNKNOW	Deep well	41.9657	33.2978	1200	1975	na	na	na	na	Abandoned	na	na	na	na	na	na	na		
HP-439	Nzoga	Mwanzoli	Mgawa	3	Isunganyanda	3	UNKNOW	Shallow well	42.6172	33.2782	1227	2009	na	na	na	na	Under Construction	na	na	na	na	na	na	na		
HP-440	Nzoga	Mwanzoli	Mgawa	3	Mongo	3	UNKNOW	Deep well	42.7884	33.2529	1211	2008	na	na	na	na	Under Construction	na	na	na	na	na	na	na		

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HP-441	Nzoga	Mwanzol	Migava	3	Mwanzol B		UNKNOWN	Deep well	42.548	33.295	1211	2007	na	na	na	2007	na	na	Unfunctioning	na	na	na	na	na	na
HP-442	Nzoga	Miamba Ioto	Miamba Ioto	1	Kakulungu		Miamba Ioto	Shallow well	47.9138	32.9787	1212	1976	na	7	1976	na	12	na	Pump Removed	na	na	na	na	na	na
HP-443	Nzoga	Miamba Ioto	Miamba Ioto	1	Miamba Ioto		Miamba Ioto	Shallow well	4.7668	33.01108	1253	1980	na	8	1980	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-444	Nzoga	Miamba Ioto	Miamba Ioto	1	Miamba Ioto B		Miamba Ioto B	Shallow well	47.9168	32.8258	1199	1980	na	5	1980	na	12	na	Pump Removed	na	na	na	na	na	na
HP-445	Nzoga	Miamba Ioto	Miamba Ioto	1	Miamba Ioto C		Miamba Ioto C	Shallow well	45.7812	33.26172	1386	2006	na	57	2006	na	na	na	Functioning	na	na	na	na	na	na
HP-446	Nzoga	Miamba Ioto	Miamba Ioto	1	Miamba Ioto D		Miamba Ioto D	Shallow well	45.759	33.3232	1234	2006	na	62	2006	na	na	na	Functioning	na	na	na	na	na	na
HP-447	Nzoga	Miamba Ioto	Miamba Ioto	1	Miamba Ioto E		Miamba Ioto E	Shallow well	45.1895	33.2976	1256	2008	na	8	2008	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-448	Nzoga	Miamba Ioto	Miamba Ioto	1	Miamba Ioto F		Miamba Ioto F	Shallow well	45.081	33.30776	1256	2008	na	7	2008	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-449	Nzoga	Miamba Ioto	Miamba Ioto	2	Miamba Ioto G		Miamba Ioto G	Shallow well	43.9351	32.8946	1195	2009	na	6	2009	na	na	na	Pump Removed	na	na	na	na	na	na
HP-450	Nzoga	Miamba Ioto	Miamba Ioto	2	Miamba Ioto H		Miamba Ioto H	Shallow well	43.9453	32.85177	1213	2009	na	6	2009	na	na	na	Pump Removed	na	na	na	na	na	na
HP-451	Nzoga	Miamba Ioto	Miamba Ioto	2	Miamba Ioto I		Miamba Ioto I	Shallow well	43.121	32.85704	1217	2003	na	6	2003	na	24	na	Functioning	Clear	Fresh	28.8	6.4	0.4	44
HP-452	Nzoga	Miamba Ioto	Miamba Ioto	2	Miamba Ioto J		Miamba Ioto J	Shallow well	43.2864	32.85468	1231	2009	na	6	2009	na	na	na	Under Construction	na	na	na	na	na	na
HP-453	Nzoga	Miamba Ioto	Miamba Ioto	7	Miamba Ioto K		Miamba Ioto K	Shallow well	4.2414	32.7732	1184	2009	na	7	2009	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-454	Nzoga	Miamba Ioto	Miamba Ioto	7	Miamba Ioto L		Miamba Ioto L	Shallow well	42.7158	32.81688	1195	2006	na	6	2006	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-455	Nzoga	Miamba Ioto	Miamba Ioto	7	Miamba Ioto M		Miamba Ioto M	Shallow well	42.5663	32.82421	1198	2009	na	6	2009	na	na	na	Functioning	Clear	Fresh	27.8	5.7	0.4	63
HP-456	Nzoga	Miamba Ioto	Miamba Ioto	7	Miamba Ioto N		Miamba Ioto N	Shallow well	42.6003	32.7997	1195	2009	na	7.5	2009	na	na	na	Functioning	Clear	Salty	27	6.2	1.55	56
HP-457	Nzoga	Miamba Ioto	Miamba Ioto	7	Miamba Ioto O		Miamba Ioto O	Shallow well	42.9466	32.78311	1206	2006	na	6	2006	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-458	Nzoga	Miamba Ioto	Miamba Ioto	7	Miamba Ioto P		Miamba Ioto P	Shallow well	42.6881	32.81823	1181	2009	na	6.5	2009	na	na	na	Functioning	Clear	Fresh	27.8	6.8	0.4	44
HP-459	Nzoga	Miamba Ioto	Miamba Ioto	7	Miamba Ioto Q		Miamba Ioto Q	Shallow well	42.6866	32.81812	1181	2006	na	6	2006	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-460	Nzoga	Miamba Ioto	Miamba Ioto	2	Miamba Ioto R		Miamba Ioto R	Shallow well	44.0241	33.21474	1227	2009	na	na	2009	na	na	na	Functioning	Clear	Clear	28.2	5.8	0.4	60
HP-461	Nzoga	Miamba Ioto	Miamba Ioto	2	Miamba Ioto S		Miamba Ioto S	Shallow well	43.7967	33.20782	1226	2009	na	na	2009	na	na	na	Functioning	Clear	Clear	28.8	5.7	0.4	62
HP-462	Nzoga	Miamba Ioto	Miamba Ioto	3	Miamba Ioto T		Miamba Ioto T	Shallow well	44.5364	33.30786	1224	2009	na	na	2009	na	na	na	Functioning	Clear	Salty	27.8	6.8	1.45	63.4
HP-463	Nzoga	Miamba Ioto	Miamba Ioto	3	Miamba Ioto U		Miamba Ioto U	Shallow well	44.1341	33.33075	1245	2009	na	na	2009	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-464	Nzoga	Miamba Ioto	Miamba Ioto	3	Miamba Ioto V		Miamba Ioto V	Shallow well	44.6883	33.32282	1252	2006	na	na	2006	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-465	Nzoga	Miamba Ioto	Miamba Ioto	1	Miamba Ioto W		Miamba Ioto W	Shallow well	43.0351	33.2888	1232	2009	na	na	2009	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-466	Nzoga	Miamba Ioto	Miamba Ioto	3	Miamba Ioto X		Miamba Ioto X	Shallow well	46.5053	33.02678	1218	2009	na	68	2009	na	na	na	Functioning	clear	Fresh	27	7.8	0.4	46
HP-467	Nzoga	Miamba Ioto	Miamba Ioto	3	Miamba Ioto Y		Miamba Ioto Y	Shallow well	46.5293	33.04881	1179	2009	na	68	2009	na	na	na	Pump Removed	na	na	na	na	na	na
HP-468	Nzoga	Miamba Ioto	Miamba Ioto	3	Miamba Ioto Z		Miamba Ioto Z	Shallow well	4.6357	32.99864	1201	2009	na	72	2009	na	na	na	Pump Removed	na	na	na	na	na	na
HP-469	Nzoga	Miamba Ioto	Miamba Ioto	5	Miamba Ioto AA		Miamba Ioto AA	Shallow well	46.8428	33.02116	1189	2008	na	68	2008	na	na	na	Functioning	clear	Fresh	26.5	7.2	0.4	71
HP-470	Nzoga	Miamba Ioto	Miamba Ioto	5	Miamba Ioto AB		Miamba Ioto AB	Shallow well	46.8267	32.98826	1189	2008	na	72	2008	na	na	na	Functioning	clear	Fresh	26.4	6.3	0.4	63
HP-471	Nzoga	Miamba Ioto	Miamba Ioto	5	Miamba Ioto AC		Miamba Ioto AC	Shallow well	46.7562	32.96071	1195	2008	na	70	2008	na	na	na	Functioning	clear	Fresh	27	6.9	ND	52
HP-472	Nzoga	Miamba Ioto	Miamba Ioto	5	Miamba Ioto AD		Miamba Ioto AD	Shallow well	46.8475	33.0737	1214	2008	na	75	2008	na	na	na	Functioning	clear	Fresh	27.6	6.3	0.4	64
HP-473	Nzoga	Miamba Ioto	Miamba Ioto	5	Miamba Ioto AE		Miamba Ioto AE	Shallow well	46.8004	33.0165	1224	2008	na	73	2008	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-474	Nzoga	Miamba Ioto	Miamba Ioto	10	Miamba Ioto AF		Miamba Ioto AF	Shallow well	46.7191	33.1566	1223	2008	na	47	2008	na	na	na	Functioning	clear	Fresh	26	7.6	0.4	66
HP-475	Nzoga	Miamba Ioto	Miamba Ioto	10	Miamba Ioto AG		Miamba Ioto AG	Shallow well	46.8672	33.1259	1216	2008	na	52	2008	na	na	na	Functioning	clear	Fresh	26.8	6.9	0.4	57
HP-476	Nzoga	Miamba Ioto	Miamba Ioto	10	Miamba Ioto AH		Miamba Ioto AH	Shallow well	46.5576	33.02023	1211	2008	na	72	2008	na	na	na	Functioning	clear	Fresh	27.3	7.9	0.4	63
HP-477	Nzoga	Miamba Ioto	Miamba Ioto	10	Miamba Ioto AI		Miamba Ioto AI	Shallow well	46.5972	33.0883	1221	2008	na	63	2008	na	na	na	Functioning	clear	Fresh	27	6.4	0.8	62
HP-478	Nzoga	Miamba Ioto	Miamba Ioto	10	Miamba Ioto AJ		Miamba Ioto AJ	Shallow well	46.2153	33.0846	1206	2008	na	65	2008	na	na	na	Functioning	clear	Fresh	26.9	6	0.4	54
HP-479	Nzoga	Miamba Ioto	Miamba Ioto	10	Miamba Ioto AK		Miamba Ioto AK	Shallow well	46.2018	33.05259	1211	2008	na	66	2008	na	na	na	Pump Removed	na	na	na	na	na	na
HP-480	Nzoga	Miamba Ioto	Miamba Ioto	10	Miamba Ioto AL		Miamba Ioto AL	Shallow well	46.2018	33.05259	1211	2008	na	66	2008	na	na	na	Pump Removed	na	na	na	na	na	na

既存給水施設リスト (ハンドポンプ)

Hand Pump ID	District Municipality	Village	Village / Street	Number of Population in Village	General Information			GPS Coordinates (Map Datum Arc 1980)			Well Information			Handpump Information					Water Quality on the field							
					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	State Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)	
HP-481	Nzoga	Mwakashanahala	Mwakashanahala	10		na	Deep well	46.6274	33.06774	1220	2008	na	68	Akilev	na	2008	na	12	Functioning	clear	Fresh	26.8	6.4	0.4	44	
HP-482	Nzoga	Mwakashanahala	Mwakashanahala	10		na	Deep well	46.8174	33.08013	1229	2008	na	83	Akilev	na	2008	na	12	Functioning	clear	Fresh	26.4	5.9	0.4	66	
HP-483	Nzoga	Mwakashanahala	Mwakashanahala	10		na	Deep well	46.9142	33.09884	1216	2008	na	40	Akilev	na	2008	na	12	Functioning	clear	Fresh	26.2	6.8	0.4	72	
HP-484	Nzoga	Mwakashanahala	Mwakashanahala	10		na	Deep well	46.9466	33.10096	1221	2008	na	38	Akilev	na	2008	na	12	Functioning	clear	Fresh	26.6	7.2	ND	45	
HP-485	Nzoga	Mwakashanahala	Mwakashanahala	2		na	Shallow well	45.9853	33.02351	1202	2008	na	na	no pump	na	na	na	na	na	na	na	na	na	na	na	
HP-486	Nzoga	Mwakashanahala	Mwakashanahala	2		na	Shallow well	46.0453	33.02188	1202	2008	na	na	no pump	na	na	na	na	na	na	na	na	na	na	na	
HP-487	Nzoga	Mwakashanahala	Mwakashanahala	6		na	Deep well	45.9248	32.97398	1193	2008	na	62	Akilev	na	2008	na	12	Functioning	clear	Fresh	26	7.2	0.4	72	
HP-488	Nzoga	Mwakashanahala	Mwakashanahala	6		na	Deep well	45.9853	32.96307	1190	2008	na	76	Akilev	na	2008	na	12	Functioning	clear	Fresh	27	7	0.4	62	
HP-489	Nzoga	Mwakashanahala	Mwakashanahala	6		na	Deep well	45.9748	32.9688	1185	2008	na	72	Akilev	na	2008	na	12	Under Construction	na	na	na	na	na	na	na
HP-490	Nzoga	Mwakashanahala	Mwakashanahala	6		na	Deep well	46.0354	32.95013	1178	2008	na	60	no pump	na	2008	na	12	Pump Removed	na	na	na	na	na	na	na
HP-491	Nzoga	Mwakashanahala	Mwakashanahala	6		na	Deep well	45.9248	32.9757	1191	2008	na	72	Akilev	na	2008	na	12	Functioning	clear	Fresh	27	6	ND	57	
HP-492	Nzoga	Mwakashanahala	Mwakashanahala	6		na	Deep well	4.5874	32.9531	1183	2008	na	68	no pump	na	2008	na	12	Pump Removed	na	na	na	na	na	na	na
HP-493	Nzoga	Mwakashanahala	Mwakashanahala	6		na	Deep well	45.9248	32.97317	1188	2008	na	68	Akilev	na	2008	na	12	Under Construction	na	na	na	na	na	na	na
HP-494	Nzoga	Mwakashanahala	Mwakashanahala	6		na	Deep well	45.9248	32.97116	1188	2008	na	60	no pump	na	2008	na	12	Functioning	clear	Fresh	26	6	0.4	46	
HP-495	Nzoga	Mwamala	Buhorob	3		na	Shallow well	3.97821	32.93039	1150	2008	na	na	Tanna	na	2008	na	24	Functioning	Yellowish	Fresh	26.9	6.5	ND	9.2	
HP-496	Nzoga	Mwamala	Buhorob	3		na	Shallow well	3.97584	32.94188	1147	2007	na	na	Tanna	na	2007	na	24	Functioning	Milky	Fresh	26.9	6.5	ND	9.2	
HP-497	Nzoga	Mwamala	Buhorob	3		na	Shallow well	3.98857	32.94908	1137	2004	na	na	Tanna	na	2004	na	24	Functioning	Clear	Fresh	26.8	6	ND	11.2	
HP-498	Nzoga	Mwamala	Channing'wa	6		na	Shallow well	4.17268	32.9744	1176	2008	na	5.8	Tanna	na	2008	na	na	Under Construction	na	na	na	na	na	na	na
HP-499	Nzoga	Mwamala	Channing'wa	6		na	Shallow well	4.1051	32.90251	1171	2000	na	4	Tanna	na	2000	na	na	Under Construction	na	na	na	na	na	na	na
HP-500	Nzoga	Mwamala	Channing'wa	6		na	Shallow well	4.10716	32.92013	1183	2008	na	6	Tanna	na	2008	na	na	Under Construction	na	na	na	na	na	na	na
HP-501	Nzoga	Mwamala	Channing'wa	6		na	Shallow well	4.08811	32.93407	1187	2008	na	6	Tanna	na	2008	na	24	Functioning	Clear	Fresh	27.1	6.4	ND	19.8	
HP-502	Nzoga	Mwamala	Channing'wa	6		na	Shallow well	4.08978	32.91788	1172	2008	na	6	Tanna	na	2008	na	na	Under Construction	na	na	na	na	na	na	na
HP-503	Nzoga	Mwamala	Channing'wa	6		na	Shallow well	4.11746	32.92184	1185	2008	na	7	Tanna	na	2008	na	na	Under Construction	na	na	na	na	na	na	na
HP-504	Nzoga	Mwamala	Kashih	6		na	Shallow well	4.11944	32.93589	1181	2000	na	6.1	Tanna	na	2000	na	na	Under Construction	na	na	na	na	na	na	na
HP-505	Nzoga	Mwamala	Kashih	6		na	Shallow well	4.1284	32.95813	1185	2000	na	6.8	Tanna	na	2000	na	na	Under Construction	na	na	na	na	na	na	na
HP-506	Nzoga	Mwamala	Kashih	6		na	Shallow well	4.13618	32.94939	1195	2001	na	6	Tanna	na	2001	na	24	Functioning	Clear	Fresh	27.1	6.1	ND	12.9	
HP-507	Nzoga	Mwamala	Kashih	6		na	Shallow well	4.13738	32.94813	1200	2000	na	7	Tanna	na	2000	na	na	Under Construction	na	na	na	na	na	na	na
HP-508	Nzoga	Mwamala	Kashih	6		na	Shallow well	4.17168	32.9388	1184	2008	na	4	Tanna	na	2008	na	24	Functioning	Milky	Fresh	27.4	5.8	ND	21	
HP-509	Nzoga	Mwamala	Kashih	6		na	Shallow well	4.11613	32.9362	1182	2002	na	na	Tanna	na	2002	na	na	Under Construction	na	na	na	na	na	na	na
HP-510	Nzoga	Mwamala	Mahere	1		na	Shallow well	4.08831	32.90804	1170	2000	na	6	Tanna	na	2000	na	24	Functioning	Clear	Fresh	27.9	6.1	ND	25	
HP-511	Nzoga	Mwamala	Mwamala	3		na	Shallow well	4.0881	32.9581	1144	2000	na	7	Tanna	na	2000	na	24	Functioning	Milky	Fresh	27.1	6.1	ND	12.9	
HP-512	Nzoga	Mwamala	Mwamala	3		na	Shallow well	4.07823	32.95407	1151	2000	na	6	Tanna	na	2000	na	na	Under Construction	na	na	na	na	na	na	na
HP-513	Nzoga	Mwamala	Mwamala	3		na	Shallow well	4.08108	32.9714	1141	2009	na	6	Tanna	na	2009	na	na	Under Construction	na	na	na	na	na	na	na
HP-514	Nzoga	Mwamala	Nawa X	1		na	Shallow well	4.02728	32.90238	1156	1988	na	na	Tanna	na	1988	na	na	Under Construction	na	na	na	na	na	na	na
HP-515	Nzoga	Mwongye	Champulu	6		na	Deep well	4.05128	33.07178	1148	2007	na	na	Akilev	na	na	na	na	Under Construction	na	na	na	na	na	na	na
HP-516	Nzoga	Mwongye	Champulu	6		na	Shallow well	4.05432	33.0827	1140	1980	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-517	Nzoga	Mwongye	Champulu	6		na	Shallow well	4.05463	33.08377	1136	1980	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-518	Nzoga	Mwongye	Champulu	6		na	Deep well	4.05483	33.08461	1136	2001	na	na	Akilev	na	2001	na	na	Under Construction	na	na	na	na	na	na	na
HP-519	Nzoga	Mwongye	Champulu	6		na	Shallow well	4.0548	33.08519	1134	1980	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-520	Nzoga	Mwongye	Champulu	6		na	Shallow well	4.05411	33.08451	1136	1980	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na	na

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Hand Pump ID	District Municipality	Village / Street	Vard	General Information			GPS Coordinates (Map Datum Arc. 1980)			Well Information			Handpump Information					Water Quality on the field							
				Number of Population in Village	Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Static Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)
HP-521	Nzoga	Chempulu	Mwongye	6	Itms	na	Shallow well	4.0315	33.09137	1132	1980	na	7	na	na	na	na	na	na	na	na	na	na	na	na
HP-522	Nzoga	Chempulu	Mwongye	8	Nzungulu	na	Shallow well	4.04864	33.08723	1134	2007	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-523	Nzoga	gatulu	Mwongye	1	gatulu	na	Deep well	4.0711	33.09311	1146	2001	na	na	na	na	na	na	na	na	na	na	na	na	na	192.1
HP-524	Nzoga	lagaja	Mwongye	3	idodoma	na	Shallow well	4.01861	33.09262	1131	2000	na	6	na	na	na	na	na	na	na	na	na	na	na	na
HP-525	Nzoga	lagaja	Mwongye	3	lagaja	na	Shallow well	4.01238	33.09546	1132	2000	na	6	na	na	na	na	na	na	na	na	na	na	na	na
HP-526	Nzoga	lagaja	Mwongye	3	lagaja	na	Shallow well	4.0153	33.09666	1131	2000	na	7	na	na	na	na	na	na	na	na	na	na	na	na
HP-527	Nzoga	Kasoya	Mwongye	3	Kabanga	na	Shallow well	4.05388	33.09259	1142	2009	na	4	na	na	na	na	na	na	na	na	na	na	na	192.2
HP-528	Nzoga	Kasoya	Mwongye	3	Kasoya	na	Shallow well	4.0333	33.09353	1137	1980	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-529	Nzoga	Kasoya	Mwongye	3	Nyungabo	na	Shallow well	4.05839	33.09116	1146	2000	na	5.6	na	na	na	na	na	na	na	na	na	na	na	15.8
HP-530	Nzoga	Mwagull	Mwongye	2	idubala	na	Shallow well	4.03838	33.02019	1134	1980	na	6	na	na	na	na	na	na	na	na	na	na	na	na
HP-531	Nzoga	Mwagull	Mwongye	2	Mwakisanga	na	Deep well	4.05724	33.02846	1139	2001	na	4.5	na	na	na	na	na	na	na	na	na	na	na	210
HP-532	Nzoga	Mwamkoba	Mwongye	2	Mwamkoba	na	Shallow well	4.0315	33.03036	1126	2009	4	7	na	na	na	na	na	na	na	na	na	na	na	na
HP-533	Nzoga	Mwamkoba	Mwongye	2	Mwamkoba	na	Shallow well	4.03061	33.02744	1121	2009	4.2	6.8	na	na	na	na	na	na	na	na	na	na	na	na
HP-534	Nzoga	Sagidi	Mwongye	5	ibale	na	Shallow well	4.09738	33.02823	1159	2000	na	6	na	na	na	na	na	na	na	na	na	na	na	9.2
HP-535	Nzoga	Sagidi	Mwongye	5	heloji	na	Shallow well	4.10163	33.02915	1165	2000	na	9	na	na	na	na	na	na	na	na	na	na	na	na
HP-536	Nzoga	Sagidi	Mwongye	5	Isanzu	na	Shallow well	4.09228	33.02804	1153	2000	na	8	na	na	na	na	na	na	na	na	na	na	na	9.2
HP-537	Nzoga	Sagidi	Mwongye	5	Mnala	na	Shallow well	4.072	33.02464	1145	2000	na	12	na	na	na	na	na	na	na	na	na	na	na	11
HP-538	Nzoga	Sagidi	Mwongye	5	Ng'Wakungwa	na	Shallow well	4.10864	33.04169	1169	2000	na	4	na	na	na	na	na	na	na	na	na	na	na	8.1
HP-539	Nzoga	Kabala	Naba	9	Blagili	UNKNOW	Deep well	3.96852	33.1721	1094	2000	na	na	na	na	na	na	na	na	na	na	na	na	na	42
HP-540	Nzoga	Kabala	Naba	9	Imjamand	UNKNOW	Deep well	4.01922	33.16574	1121	2001	na	na	na	na	na	na	na	na	na	na	na	na	na	42
HP-541	Nzoga	Kabala	Naba	9	Imjamand	UNKNOW	Deep well	4.01693	33.17118	1130	2001	56	72	na	na	na	na	na	na	na	na	na	na	na	na
HP-542	Nzoga	Kabala	Naba	9	Kabala	UNKNOW	Deep well	4.0168	33.16286	1132	2000	na	na	na	na	na	na	na	na	na	na	na	na	na	46
HP-543	Nzoga	Kabala	Naba	9	Kabala	UNKNOW	Deep well	4.01172	33.19242	1126	2000	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-544	Nzoga	Kabala	Naba	9	Kasala	UNKNOW	Deep well	4.05619	33.1728	1135	2001	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-545	Nzoga	Kabala	Naba	9	Kasala	UNKNOW	Deep well	4.05221	33.16866	1132	2001	na	na	na	na	na	na	na	na	na	na	na	na	na	48.3
HP-546	Nzoga	Kabala	Naba	9	Lubaga	UNKNOW	Deep well	3.96361	33.14195	1103	2000	na	na	na	na	na	na	na	na	na	na	na	na	na	39.2
HP-547	Nzoga	Kabala	Naba	9	Mwagurudi	UNKNOW	Deep well	4.02381	33.17314	1125	2001	na	na	na	na	na	na	na	na	na	na	na	na	na	46
HP-548	Nzoga	Kamolo	Naba	4	Buaya	UNKNOW	Shallow well	3.95281	33.13461	1104	2003	na	na	na	na	na	na	na	na	na	na	na	na	na	55
HP-549	Nzoga	Kamolo	Naba	4	Kamolo	UNKNOW	Shallow well	3.95252	33.13026	1110	2000	na	na	na	na	na	na	na	na	na	na	na	na	na	49.2
HP-550	Nzoga	Kamolo	Naba	4	Seke	UNKNOW	Deep well	3.99754	33.17296	1107	2003	na	na	na	na	na	na	na	na	na	na	na	na	na	49.5
HP-551	Nzoga	Kamolo	Naba	4	Seke	UNKNOW	Deep well	3.97623	33.15418	1102	2003	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-552	Nzoga	Kisali	Naba	1	Kisali	UNKNOW	Shallow well	4.05147	33.11366	1139	2003	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-553	Nzoga	Mwabangu	Naba	1	Mwabangu	UNKNOW	Unknown	4.051	33.11145	1137	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-554	Nzoga	Naba	Naba	2	Nyabaji	UNKNOW	Shallow well	4.02665	33.12224	1136	1998	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-555	Nzoga	Naba	Naba	2	Nyabaji	UNKNOW	Shallow well	4.02912	33.12633	1137	2000	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-556	Nzoga	Kampala	Naba	1	Kampala	na	Deep well	4.74911	33.22123	1252	2008	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-557	Nzoga	Mbilala	Naba	1	Mbilala	na	Unknown	4.67465	33.27766	1255	2008	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-558	Nzoga	Umwelli	Naba	1	Umwelli	na	Shallow well	4.77946	33.23188	1233	2006	na	na	na	na	na	na	na	na	na	na	na	na	na	122
HP-559	Nzoga	Wifa	Naba	3	Wifa	na	Shallow well	4.72623	33.29965	1225	2009	na	na	na	na	na	na	na	na	na	na	na	na	na	na
HP-560	Nzoga	Naba	Naba	3	Kasubisi	na	Shallow well	4.74648	33.32799	1207	2005	na	na	na	na	na	na	na	na	na	na	na	na	na	na

既存給水施設リスト (ハンドポンプ)

Hand Pump ID	District Municipality	Ward	Village / Street	Number of Population in Village	General Information			GPS Coordinates (Map Datum Arc. 1980)			Well Information			Handpump Information					Water Quality on the field					
					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Static Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/m)
HP-261	Nzoga	Makala	Wiba	3	Mugaya	na	Shallow well	47.0773	33.2757	1240	2009	na	na	na	2009	na	24	Under Construction	na	na	na	na	na	na
HP-262	Nzoga	Nenzwa	Nenzwa	2	Nenzwa A	na	Deep well	45.9165	33.1532	1230	2007	na	na	na	2007	na	24	Functioning	Mky	Clear	28.5	7	0.4	64
HP-263	Nzoga	Nenzwa	Nenzwa	2	Nenzwa B	na	Deep well	45.7544	33.1207	1215	2006	na	na	na	2006	na	24	Functioning	Mky	Clear	28.8	6.3	0.4	70
HP-264	Nzoga	Nenzwa	Nenzwa	1	Madegabo	na	Shallow well	45.1215	33.0756	1204	2009	na	na	na	1996	na	24	Pump Removed	na	na	na	na	na	na
HP-265	Nzoga	Nzoga Mji	Nzoga Mji	7	ipili A	na	Deep well	42.2202	33.1979	1226	1974	na	62	na	1974	na	24	Functioning	clear	Fresh	26.9	6.9	0.4	64
HP-266	Nzoga	Nzoga Mji	Nzoga Mji	7	Kachoma	na	Deep well	42.2204	33.1885	1226	1996	na	50	na	1996	na	12	Functioning	clear	Salty	26.3	7.2	0.8	56
HP-267	Nzoga	Nzoga Mji	Nzoga Mji	7	Kachoma	na	Deep well	42.2282	33.1948	1224	1996	na	50	na	1996	na	10	Functioning	clear	Salty	26.9	6.9	0.8	54
HP-268	Nzoga	Nzoga Mji	Nzoga Mji	7	Mjengo	na	Deep well	42.1608	33.1784	1242	1999	na	55	na	1999	na	24	Pump Removed	clear	Fresh	27	6.3	0.4	49
HP-269	Nzoga	Nzoga Mji	Nzoga Mji	7	Mjengo	na	Deep well	42.1704	33.1838	1235	2008	na	60	na	2008	na	15	Functioning	clear	Fresh	26.3	7	0.4	56
HP-270	Nzoga	Nzoga Mji	Nzoga Mji	7	Mwaisela A	na	Shallow well	42.3244	33.1928	1236	2009	na	na	na	2009	na	24	Unfunctioning	na	na	na	na	na	na
HP-271	Nzoga	Nzoga Mji	Nzoga Mji	7	Ushika	na	Shallow well	42.1461	33.1795	1239	1990	na	8	na	1990	na	na	Pump Removed	na	na	na	na	na	na
HP-272	Nzoga	Nzoga Mji	Ukono	1	Ndimo Chayo	UNKNOW	Deep well	41.6031	33.21794	1177	2001	na	na	na	2001	na	24	Functioning	Clear	Salty	26.2	6.2	0.8	50
HP-273	Nzoga	Nzoga Mji	Zopob	1	igoo	UNKNOW	Shallow well	40.954	33.1783	1161	na	na	na	na	na	na	24	Unfunctioning	na	na	na	na	na	na
HP-274	Nzoga	Puge	Busomb	6	Busomb Meshaki	na	Shallow well	46.6468	33.1925	1235	2009	na	na	na	2009	na	24	Pump Removed	na	na	na	na	na	na
HP-275	Nzoga	Puge	Busomb	6	Busomb Meshaki	na	Shallow well	4.6854	33.1939	1237	2009	na	na	na	2009	na	na	Pump Removed	na	na	na	na	na	na
HP-276	Nzoga	Puge	Busomb	6	Busomb Meshaki	na	Shallow well	46.6861	33.1783	1253	2008	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na
HP-277	Nzoga	Puge	Busomb	6	Busomb Meshaki	na	Shallow well	46.6004	33.1928	1236	2009	na	na	na	2009	na	24	Functioning	Clear	Clear	28.2	6.4	0.4	63
HP-278	Nzoga	Puge	Busomb	6	Busomb Meshaki	na	Shallow well	46.6061	33.1933	1236	2009	na	na	na	2009	na	24	Unfunctioning	na	na	na	na	na	na
HP-279	Nzoga	Puge	Busomb	6	Kupuala	na	Shallow well	46.752	33.1726	1244	2008	na	na	na	2008	na	24	Unfunctioning	na	na	na	na	na	na
HP-280	Nzoga	Puge	Busomb	6	Kupuala	na	Shallow well	46.6783	33.1893	1245	2008	na	na	na	2008	na	24	Unfunctioning	na	na	na	na	na	na
HP-281	Nzoga	Puge	Busomb	6	Mogoo	na	Shallow well	46.6497	33.1839	1254	2009	na	na	na	2009	na	24	Functioning	Clear	Clear	28.7	5.9	0.4	62
HP-282	Nzoga	Puge	Isiama	5	Isiama A' Magharibi	na	Shallow well	47.5857	33.1438	1236	na	na	na	na	na	na	24	Pump Removed	na	na	na	na	na	na
HP-283	Nzoga	Puge	Isiama	5	Isiama A' Mashariki	na	Shallow well	47.5873	33.1702	1230	na	na	na	na	na	na	24	Pump Removed	na	na	na	na	na	na
HP-284	Nzoga	Puge	Isiama	5	Isiama A' Mashariki	na	Shallow well	4.7556	33.1378	1222	2005	na	na	na	2005	na	24	Unfunctioning	na	na	na	na	na	na
HP-285	Nzoga	Puge	Isiama	5	Isiama B' Magharibi	na	Shallow well	47.6652	33.1424	1238	1995	na	na	na	1995	na	24	Pump Removed	na	na	na	na	na	na
HP-286	Nzoga	Puge	Isiama	5	Isiama B' Mashariki	na	Shallow well	47.6307	33.14609	1238	1995	na	na	na	1995	na	24	Pump Removed	na	na	na	na	na	na
HP-287	Nzoga	Puge	Upungu	2	Upungu Magharibi	na	Shallow well	47.7771	33.16991	1240	2009	na	na	na	2009	na	24	Functioning	Clear	Clear	28.7	6.3	0.4	68
HP-288	Nzoga	Puge	Upungu	2	Upungu Meshaki	na	Shallow well	47.7825	33.16846	1243	2009	na	na	na	2009	na	24	Functioning	Clear	Clear	28.9	5.8	ND	61
HP-289	Nzoga	Semembala	Kasanga	1	Nkiga	na	Shallow well	4.40805	32.69154	1261	1960	na	6	na	1960	na	24	Pump Removed	na	na	na	na	na	na
HP-290	Nzoga	Semembala	Mooqi	1	Mogomeni	na	Shallow well	42.7188	32.54674	1196	1990	na	7	na	1990	na	24	Pump Removed	na	na	na	na	na	na
HP-291	Nzoga	Semembala	Numbi	1	Numbi	na	Shallow well	4.30915	32.55431	1195	1960	na	7	na	1960	na	24	Pump Removed	na	na	na	na	na	na
HP-292	Nzoga	Semembala	Semembala	2	Semembala	na	Shallow well	4.32753	32.65446	1233	2001	na	6	na	2001	na	24	Pump Removed	na	na	na	na	na	na
HP-293	Nzoga	Semembala	Semembala	2	Semembala	na	Shallow well	4.32992	32.65373	1223	1994	na	7	na	1994	na	24	Pump Removed	na	na	na	na	na	na
HP-294	Nzoga	Semembala	Ujulumu	2	Ujulumu	na	Shallow well	4.3784	32.65456	1215	2005	na	4	na	2005	na	24	Pump Removed	na	na	na	na	na	na
HP-295	Nzoga	Semembala	Ujulumu	2	Ujulumu	na	Shallow well	4.37864	32.65666	1215	2005	na	4	na	2005	na	24	Pump Removed	na	na	na	na	na	na
HP-296	Nzoga	Shigamba	Kapongwa	1	Nkululu	na	Shallow well	4.1959	33.09941	1196	2008	na	6	na	2008	na	24	Functioning	Clear	Fresh	28.3	6.8	0.4	63
HP-297	Nzoga	Shigamba	Shigamba	1	Shigamba	na	Shallow well	4.19603	33.0813	1210	2006	na	6	na	2006	na	na	Unfunctioning	na	na	na	na	na	na
HP-298	Nzoga	Sigi	Bulambele	10	Bulambele	na	Shallow well	3.9219	33.00483	1148	1970	na	na	na	1970	na	na	Pump Removed	na	na	na	na	na	na
HP-299	Nzoga	Sigi	Ibopi	1	Burumbwa	na	Shallow well	3.94034	32.94704	1169	2008	na	na	na	2008	na	na	Pump Removed	na	na	na	na	na	na
HP-300	Nzoga	Sigi	Lymalagwa	1	Lymalagwa	na	Shallow well	3.95604	33.0550	1199	1960	na	na	na	1960	na	na	Pump Removed	na	na	na	na	na	na

既存給水施設リスト (ハンドポンプ)

Hand Pump ID	District Municipality	Ward	Village / Street	Number of Households in Village	General Information				GPS Coordinates (Map Datum Arc. 1980)				Well Information				Handpump Information						Water Quality on the field			
					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Latitude	Longitude	Drilling Year	Static Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (µS/cm)	
HP-441	Nzoga	Ukilele	Ukongwanhala	6	Kile	na	Shallow well	42,004.7	32,894.75	1195	2008	na	na	na	na	24	Functioning	na	na	na	na	na	na			
HP-442	Nzoga	Ukilele	Ukongwanhala	6	Kile	na	Shallow well	41,982	32,852.7	1198	2008	na	6.9	na	na	na	Pump Removed	na	na	na	na	na	na			
HP-443	Nzoga	Ukilele	Ukongwanhala	6	Ukongwanhala	na	Shallow well	42,063.7	32,876.02	1197	1980	na	na	na	na	na	Pump Removed	na	na	na	na	na	na			
HP-444	Nzoga	Ukilele	Ukongwanhala	6	Ukongwanhala	na	Shallow well	42,063.4	32,875.96	1197	2008	na	4.9	na	na	24	Functioning	na	na	na	na	na	na			
HP-445	Nzoga	Ukilele	Ukongwanhala	2	Isalalo	na	Shallow well	43,226.9	33,191.9	1237	2002	na	na	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-446	Nzoga	Ukilele	Ukongwanhala	2	Isalalo	na	Shallow well	43,368.6	33,186.65	1233	2008	na	na	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-447	Nzoga	Ukilele	Ukongwanhala	1	Isalalo	na	Shallow well	44,010.1	33,108.02	1208	na	na	na	na	na	24	Pump Removed	na	na	na	na	na	na			
HP-448	Nzoga	Ukilele	Ukongwanhala	3	Ilililo	na	Shallow well	44,171.3	33,011.42	1211	2008	na	4	na	na	24	Pump Removed	na	na	na	na	na	na			
HP-449	Nzoga	Ukilele	Ukongwanhala	3	Ilililo	na	Shallow well	44,248.7	32,957.7	1225	2008	na	6	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-450	Nzoga	Ukilele	Ukongwanhala	3	Ilililo	na	Shallow well	44,266.8	33,008.01	1208	2008	na	30	na	na	24	Pump Removed	na	na	na	na	na	na			
HP-451	Nzoga	Ukilele	Ukongwanhala	1	Mwambaha	na	Shallow well	44,566.4	33,162.46	1236	2009	na	6	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-452	Nzoga	Ukilele	Ukongwanhala	4	Mwambaha	na	Shallow well	43,566.4	33,146	1224	2008	na	na	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-453	Nzoga	Ukilele	Ukongwanhala	4	Mwambaha	na	Shallow well	43,901.5	33,147.23	1220	1980	na	na	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-454	Nzoga	Ukilele	Ukongwanhala	4	Mwambaha	na	Shallow well	43,937.4	33,156.46	1213	2008	na	na	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-455	Nzoga	Ukilele	Ukongwanhala	4	Mwambaha	na	Shallow well	43,786.4	33,140.35	1218	1984	na	na	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-456	Nzoga	Ukilele	Ukongwanhala	1	Mwambaha	na	Shallow well	44,362.8	33,088	1222	na	na	na	na	na	24	Pump Removed	na	na	na	na	na	na			
HP-457	Nzoga	Ukilele	Ukongwanhala	4	Ukongwanhala	na	Shallow well	43,286.8	33,194.03	1235	1984	na	na	na	na	24	Abandoned	na	na	na	na	na	na			
HP-458	Nzoga	Ukilele	Ukongwanhala	4	Ukongwanhala	na	Shallow well	43,862.2	33,165	1228	1980	na	na	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-459	Nzoga	Ukilele	Ukongwanhala	4	Ukongwanhala	na	Shallow well	43,584	33,163.33	1228	1971	na	na	na	na	24	Abandoned	na	na	na	na	na	na			
HP-460	Nzoga	Ukilele	Ukongwanhala	4	Ukongwanhala	na	Shallow well	43,273.7	33,164	1237	1983	na	na	na	na	24	Abandoned	na	na	na	na	na	na			
HP-461	Nzoga	Ukilele	Ukongwanhala	2	Ukongwanhala	na	Shallow well	41,704.4	33,354.1	1164	2008	na	na	na	na	24	Functioning	Mky	Clear	28.2	6.7	ND	11.4			
HP-462	Nzoga	Ukilele	Ukongwanhala	2	Ukongwanhala	na	Shallow well	41,709.4	33,348.88	1163	1980	na	6	na	na	24	Pump Removed	Mky	Clear	29.3	6.8	ND	10			
HP-463	Nzoga	Ukilele	Ukongwanhala	6	Ukongwanhala	na	Shallow well	41,081.4	33,324.52	1159	2004	na	na	na	na	24	Pump Removed	na	na	na	na	na	na			
HP-464	Nzoga	Ukilele	Ukongwanhala	6	Ukongwanhala	na	Shallow well	41,079.5	33,317.43	1165	2008	na	na	na	na	24	Functioning	Clear	Salty	28.4	6.5	0.8	50			
HP-465	Nzoga	Ukilele	Ukongwanhala	6	Ukongwanhala	na	Shallow well	41,042.5	33,326.73	1156	2008	na	na	na	na	24	Functioning	Clear	Salty	29.2	6.3	0.4	38			
HP-466	Nzoga	Ukilele	Ukongwanhala	6	Ukongwanhala	na	Shallow well	40,984.4	33,330.2	1158	2005	na	85	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-467	Nzoga	Ukilele	Ukongwanhala	6	Ukongwanhala	na	Shallow well	41,079.5	33,317.43	1165	2008	na	na	na	na	24	Functioning	Clear	Salty	29.7	6.7	0.8	50.2			
HP-468	Nzoga	Ukilele	Ukongwanhala	6	Ukongwanhala	na	Shallow well	41,078.5	33,317.82	1164	2008	na	na	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-469	Nzoga	Ukilele	Ukongwanhala	1	Mwambaha	na	Shallow well	40,632.8	33,345.55	1122	2008	na	na	na	na	24	Unfunctioning	na	na	na	na	na	na			
HP-470	Nzoga	Ukilele	Ukongwanhala	3	Ukongwanhala	na	Shallow well	41,546	33,292.37	1181	2005	na	na	na	na	24	Functioning	Clear	Salty	29.6	7.3	1.17	155.8			
HP-471	Nzoga	Ukilele	Ukongwanhala	3	Ukongwanhala	na	Shallow well	41,625.8	33,297.8	1185	2005	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na			
HP-472	Nzoga	Ukilele	Ukongwanhala	3	Ukongwanhala	na	Shallow well	41,584.4	33,308.03	1191	2005	na	na	na	na	24	Functioning	Clear	Salty	29.4	6.8	0.8	50.3			
HP-473	Skonge	Chibwawa	Chibwawa	6	Chibwawa	na	Shallow well	5,697.4	32,747.82	1136	2008	na	na	na	na	24	Functioning	Mky	Tasteless	25.6	6.38	0.037	65.3			
HP-474	Skonge	Chibwawa	Chibwawa	6	Chibwawa	na	Shallow well	5,686.6	32,746.5	1134	2003	na	2.6	na	na	na	Unfunctioning	Clear	Tasteless	25.7	4.57	0.031	17.36			
HP-475	Skonge	Chibwawa	Chibwawa	6	Chibwawa	na	Shallow well	5,693.7	32,746.4	1133	2003	na	6.8	na	na	na	Unfunctioning	Mky	Tasteless	25.6	6.28	0.16	85.5			
HP-476	Skonge	Chibwawa	Chibwawa	6	Chibwawa	na	Shallow well	5,690.1	32,745.99	1134	2001	na	na	na	na	na	Functioning	Clear	Salty	26.2	6.53	0.23	51.8			
HP-477	Skonge	Chibwawa	Chibwawa	6	Chibwawa	na	Shallow well	5,697.2	32,746.4	1134	1974	na	6.8	na	na	na	Unfunctioning	Clear	Salty	25.2	4.4	0.03	34.6			
HP-478	Skonge	Chibwawa	Chibwawa	6	Chibwawa	na	Shallow well	5,692.26	32,743.96	1133	2005	na	3	na	na	na	Stolen	Mky	Tasteless	25.3	5.78	0.045	45.9			
HP-479	Skonge	Chibwawa	Chibwawa	6	Chibwawa	na	Shallow well	5,688.7	32,742.02	1127	2001	na	2.88	na	na	na	Unfunctioning	na	na	na	na	na	na			
HP-480	Skonge	Chibwawa	Chibwawa	6	Chibwawa	na	Shallow well	5,678.4	32,743.33	1132	2001	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na			

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Hand Pump ID	District Municipality	Village / Street	Ward	General Information				GPS Coordinates (Map Datum Arc. 1980)			Well Information			Handpump Information					Water Quality on the field				
				Number of Pumps in Village	Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Drilling Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)
HP-81	Sikonge	Kabanga	Chibawa	2	Changombe	na	Shallow well	5.7692; 32.79136	1134	2003	4.6	na	na	2003	na	na	Unfunctioning	na	na	na	na	na	na
HP-82	Sikonge	Kabanga	Chibawa	2	Kabanga	na	Shallow well	5.779; 32.7379	1135	2001	6.66	na	na	2001	na	na	Unfunctioning	na	na	na	na	na	na
HP-83	Sikonge	Kianga	Chibawa	3	Kianga/Kuani	na	Shallow well	5.7243; 32.7482	1141	2003	na	na	na	2003	na	na	Unfunctioning	na	na	na	na	na	na
HP-84	Sikonge	Kianga	Chibawa	3	Kianga/Kuani	na	Shallow well	5.7147; 32.7387	1131	2006	na	na	na	2006	na	na	Functioning	Clear	Tasteless	27.7	6.79	0.92	76.5
HP-85	Sikonge	Kianga	Chibawa	3	Kianga/Msharik	na	Deep well	5.7001; 32.7161	1135	2001	na	na	na	2001	na	na	Unfunctioning	na	na	na	na	na	na
HP-86	Sikonge	Kianga Mlimani	Chibawa	4	Kianga/Ka	na	Shallow well	5.7061; 32.8202	1151	2004	na	na	na	2004	na	na	Unfunctioning	na	na	na	na	na	na
HP-87	Sikonge	Kianga Mlimani	Chibawa	4	Kianga Mlimani	na	Shallow well	5.7208; 32.8257	1146	2004	na	na	na	2004	na	na	Unfunctioning	na	na	na	na	na	na
HP-88	Sikonge	Kianga Mlimani	Chibawa	4	Kianga Mlimani	na	Shallow well	5.7323; 32.8393	1118	2004	na	na	na	2004	na	na	Unfunctioning	na	na	na	na	na	na
HP-89	Sikonge	Kianga Mlimani	Chibawa	4	Uyabulu	na	Shallow well	5.6968; 32.8372	1140	2004	na	na	na	2004	na	na	Unfunctioning	na	na	na	na	na	na
HP-90	Sikonge	Mwigu	Chibawa	2	Kwale	na	Shallow well	5.7264; 32.7302	1125	2008	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na
HP-91	Sikonge	Mwigu	Chibawa	2	Mwigu	na	Shallow well	5.7895; 32.69795	1113	2001	na	na	na	2001	na	24	Functioning	Clear	Tasteless	26	5.57	0.049	50.9
HP-92	Sikonge	Igiva	Igiva	4	Barazani	na	Deep well	5.3784; 32.75102	1200	2009	na	na	na	2009	na	24	Functioning	Clear	Salty	27.2	6.4	0.22	127
HP-93	Sikonge	Igiva	Igiva	4	Barazani	na	Shallow well	5.3449; 32.79953	1204	2005	na	na	na	2005	na	na	Pump Removed	na	na	na	na	na	na
HP-94	Sikonge	Igiva	Igiva	4	Nyakushungu	na	Deep well	5.41805; 32.78486	1236	2009	na	na	na	2009	na	24	Functioning	Mlky	Salty	24.7	6.5	0.09	12.1
HP-95	Sikonge	Igiva	Igiva	4	Vitahobongo	na	Deep well	5.3782	1167	2008	na	na	na	2008	na	24	Functioning	Clear	Salty	27.3	6.2	0.156	60.3
HP-96	Sikonge	Lufvisi	Igiva	2	Lufvisi	na	Shallow well	5.5167; 32.8332	1167	2008	na	na	na	2008	na	na	Unfunctioning	Mlky	Tasteless	26.4	6.7	0.15	26.4
HP-97	Sikonge	Lufvisi	Igiva	2	Lufvisi	na	Shallow well	5.51225; 32.83832	1177	2008	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na
HP-98	Sikonge	Ibikamiso	Ipole	2	Ibikamiso	na	Shallow well	5.93668; 32.7147	1128	2007	na	na	na	2007	na	24	Functioning	Clear	Tasteless	26	5.33	0.066	56.3
HP-99	Sikonge	Ibikamiso	Ipole	2	Ibikamiso	na	Shallow well	5.94007; 32.7796	1125	2007	na	na	na	2007	na	na	Pump Removed	na	na	na	na	na	na
HP-100	Sikonge	Ipole	Ipole	1	Ipole Msharik	na	Shallow well	5.7667; 32.73599	1148	2007	na	na	na	2007	na	12	Functioning	Clear	Tasteless	25.5	6.94	0.35	13.9
HP-101	Sikonge	Mwala	Ipole	1	Mwala	na	Shallow well	5.93813; 32.74689	1111	2008	na	na	na	2008	na	na	Functioning	Clear	Salty	25.6	5.68	0.178	14.38
HP-102	Sikonge	Udongo	Ipole	2	Udongo/Kabazani	na	Shallow well	5.76442; 32.74518	1125	2006	na	na	na	2006	na	24	Functioning	Clear	Tasteless	26.3	5.31	0.08	5.22
HP-104	Sikonge	Makupa	Kisali	5	Mgungu	na	Shallow well	5.93691; 32.89569	1141	2008	na	na	na	2008	na	na	Unfunctioning	Clear	Tasteless	25.8	4.67	0.0241	7.83
HP-105	Sikonge	Kisali	Kisali	5	Makupa	na	Shallow well	5.91202; 32.82889	1133	2006	na	na	na	2006	na	na	Unfunctioning	Mlky	Tasteless	26.8	5.91	0.045	8.05
HP-106	Sikonge	Kisali	Kisali	5	Makupa	na	Shallow well	5.91225; 32.81544	1135	2008	na	na	na	2008	na	24	Functioning	Clear	Salty	27.4	6.59	0.087	12.81
HP-107	Sikonge	Kisali	Kisali	5	Songambale	na	Shallow well	5.90014; 32.82795	1135	2006	na	na	na	2006	na	24	Functioning	Clear	Slightly Salty	26.3	5.53	0.07	13.78
HP-108	Sikonge	Kisali	Kisali	5	Tuleni	na	Shallow well	5.6983; 32.85834	1135	2008	na	na	na	2008	na	24	Functioning	C	Salty	28	5.4	0.188	8.05
HP-109	Sikonge	Kisali	Kisali	4	Mgungu	na	Shallow well	6.0161; 33.4618	1238	2008	na	na	na	2008	na	na	Pump Removed	na	na	na	na	na	na
HP-110	Sikonge	Kisali	Kisali	4	Mgungu	na	Shallow well	6.01693; 33.46734	1221	1999	na	na	na	1999	na	na	Stolen	na	na	na	na	na	na
HP-111	Sikonge	Kisali	Kisali	4	Mgungu	na	Shallow well	6.01745; 33.46796	1226	2004	2	na	na	2004	na	na	Unfunctioning	na	na	na	na	na	na
HP-112	Sikonge	Kisali	Kisali	4	Mgungu	na	Shallow well	6.01777; 33.4766	1224	2008	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na
HP-113	Sikonge	Kisali	Kisali	3	Mwiko	na	Shallow well	6.03328; 33.39206	1210	2008	3.3	na	na	2008	na	na	Unfunctioning	Clear	Salty	23.6	6.74	0.038	8.19
HP-114	Sikonge	Kisali	Kisali	3	Mwiko	na	Shallow well	6.03342; 33.3622	1208	2008	3.1	na	na	2008	na	na	Unfunctioning	Clear	Salty	22.8	6.92	0.07	5.77
HP-115	Sikonge	Kisali	Kisali	3	Mwiko	na	Shallow well	6.03128; 33.363	1202	2008	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na
HP-116	Sikonge	Kisali	Kisali	4	Lembali	na	Deep well	5.93857; 32.90569	1149	2008	na	na	na	2008	na	24	Functioning	Clear	Tasteless	27.8	7.09	0.41	55.5
HP-117	Sikonge	Kisali	Kisali	4	Lembali	na	Shallow well	5.9462; 32.91786	1155	2008	na	na	na	2008	na	24	Functioning	Clear	Tasteless	25.9	4.99	0.022	8.08
HP-118	Sikonge	Kisali	Kisali	4	Lembali	na	Deep well	5.84813; 32.91815	1148	1974/75	na	na	na	1974/75	na	na	Pump Removed	na	na	na	na	na	na
HP-119	Sikonge	Kisali	Kisali	4	Lembali	na	Deep well	5.84253; 32.90704	1146	1974/75	na	na	na	1974/75	na	na	Pump Removed	na	na	na	na	na	na
HP-120	Sikonge	Kisali	Kisali	1	Ukondomoyo	na	Deep well	5.80652; 32.82276	1147	2008	na	na	na	2008	na	24	Functioning	Clear	Salty	27.7	6.58	0.31	89.9

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Hand Pump ID	District Municipality	Ward	Village / Street	Number of Pumps in Village	General Information				GPS Coordinates (Map Datum Arc 1980)			Well Information			Handpump Information					Water Quality on the field						
					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Drilling Year	State Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (µS/cm)			
HP-221	Skonge	Kpanga	Ljafiki	1	Lk vavilini	na	Shallow well	6,70104	32,90481	1188	2008	3.8	na	Indan Melli	na	2008	na	24	Functioning	Clear	Salty	26.3	6.81	0.35	23.8	
HP-222	Skonge	Kpanga	Usungu	2	Klumbelo	na	Shallow well	5,70752	32,94578	1188	2002	4.3	na	Indan Melli	na	2002	na	na	Unfunctioning	Clear	Salty	27.4	6.86	0.15	36.6	
HP-223	Skonge	Kpanga	Usungu	2	Makumbulo	na	Shallow well	5,70689	32,94686	1186	2003	4.6	na	Kongaroo	na	2003	na	na	Unfunctioning	Clear	Salty	25.8	7.26	0.3	67.7	
HP-224	Skonge	Kpanga	Kilumbi	5	Mica Na 4	na	Deep well	6,23622	33,84726	1406	2009	na	na	Afkeev	na	2009	na	12	Functioning	Clear	Salty	25.7	6.7	0.193	76.1	
HP-225	Skonge	Kpanga	Kilumbi	5	Mica Na 4	na	Shallow well	6,23604	33,84573	1412	2008	na	na	Tanra	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-226	Skonge	Kpanga	Kilumbi	5	Mica Na 4	na	Shallow well	6,23771	33,84672	1398	2006	na	na	Tanra	na	2006	na	12	Functioning	Mky	Salty	26.8	6.86	0.08	15.5	
HP-227	Skonge	Kpanga	Kilumbi	5	Mandani	na	Shallow well	6,32026	33,84286	1398	2006	na	na	Tanra	na	2006	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-228	Skonge	Kpanga	Kilumbi	5	Umumbale Na 3	na	Shallow well	6,27172	33,83814	1421	2006	na	na	Tanra	na	2006	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-229	Skonge	Kpanga	Kiyombo	1	Mpanzagarale	na	Shallow well	6,05611	33,95456	1505	2008	na	na	Indan Melli	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-230	Skonge	Kpanga	Zugimole	5	Chang'ombe Na 5	na	Shallow well	6,07381	33,93368	1538	2005	na	na	Tanra	na	2005	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-231	Skonge	Kpanga	Zugimole	5	Chang'ombe Na 5	na	Shallow well	6,07205	33,93084	1518	1996	na	na	no pump	na	1996	na	na	Pump Removed	na	na	na	na	na	na	na
HP-232	Skonge	Kpanga	Zugimole	5	Chang'ombe Na 5	na	Shallow well	6,07116	33,92857	1518	2008	3.4	na	no pump	na	2008	na	24	Pump Removed	Clear	Tasteless	23.9	6.66	0.072	8.25	
HP-233	Skonge	Kpanga	Zugimole	5	Mwese	na	Shallow well	6,04757	33,91832	1542	2008	3.1	na	Indan Melli	na	2008	na	na	Unfunctioning	Clear	Tasteless	23.4	6.59	0.021	10.82	
HP-234	Skonge	Kpanga	Zugimole	5	Tupendane	na	Shallow well	6,07854	33,93077	1504	2008	na	na	Indan Melli	na	2008	na	24	Functioning	Clear	Tasteless	24	5.64	0.044	6.77	
HP-235	Skonge	Kpanga	Mjamboni	9	Kamata Na 5	na	Shallow well	6,82026	33,25557	1210	2008	na	na	Indan Melli	na	2008	na	24	Functioning	Clear	Salty	24.5	5.58	0.041	11.5	
HP-236	Skonge	Kpanga	Mjamboni	9	Kapungu	na	Shallow well	6,84048	33,26088	1196	2008	na	na	Indan Melli	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-237	Skonge	Kpanga	Mjamboni	9	Kapungu	na	Shallow well	6,80632	33,27032	1217	2004	na	na	Tanra	na	2004	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-238	Skonge	Kpanga	Mjamboni	9	Lulula	na	Shallow well	6,84666	33,25003	1176	2008	2.4	na	Indan Melli	na	2008	na	na	Unfunctioning	Mky	Salty	24.8	5.56	0.024	14.4	
HP-239	Skonge	Kpanga	Mjamboni	9	Lulula	na	Shallow well	6,84884	33,25263	1188	2008	2.7	na	Indan Melli	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-240	Skonge	Kpanga	Mjamboni	9	Lulula	na	Shallow well	6,84291	33,25756	1201	2006	2.4	na	Tanra	na	2007	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-241	Skonge	Kpanga	Mjamboni	9	Lulula	na	Shallow well	6,84213	33,25823	1206	2004	2.2	na	Tanra	na	2004	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-242	Skonge	Kpanga	Mjamboni	9	Lulula	na	Shallow well	6,83968	33,25158	1181	2008	na	na	Indan Melli	na	2008	na	24	Functioning	Clear	Tasteless	26.8	5.8	0.024	10.66	
HP-243	Skonge	Kpanga	Mjamboni	9	Lulula	na	Shallow well	6,83458	33,25351	1178	1980	3.4	na	Grumfoc	na	1980	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-244	Skonge	Kpanga	Mwenge	5	Lamboni	na	Shallow well	6,86078	33,23371	1210	2008	na	na	Indan Melli	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-245	Skonge	Kpanga	Mwenge	5	Mganbe	na	Shallow well	6,84765	33,22717	1303	2008	na	na	Indan Melli	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-246	Skonge	Kpanga	Mwenge	5	Misoni	na	Shallow well	6,80405	33,20204	1186	2008	na	na	Indan Melli	na	2008	na	na	Functioning	Mky	Salty	27	6.66	0.17	35	
HP-247	Skonge	Kpanga	Mwenge	5	Micha	na	Shallow well	6,84941	33,20837	1204	2008	3.9	na	Indan Melli	na	2008	na	24	Functioning	Clear	Salty	26.7	6.23	0.075	15.95	
HP-248	Skonge	Kpanga	Mwenge	5	Micha	na	Shallow well	6,84723	33,21316	1190	2008	na	na	Indan Melli	na	2008	na	24	Functioning	Clear	Salty	25.7	6.6	0.143	31.5	
HP-249	Skonge	Pangale	Ibaya	1	Ibaya	na	Shallow well	5,31558	32,69979	1154	2008	na	na	Indan Melli	na	2008	na	na	Unfunctioning	Mky	Salty	24.7	6.99	0.4	21.2	
HP-250	Skonge	Pangale	Mpombe	1	Mpombe	na	Shallow well	5,39745	32,69572	1152	2008	na	na	Tanra	na	2006	na	24	Functioning	Clear	Tasteless	27	5.5	0.025	10.36	
HP-251	Skonge	Pangale	Pangale	3	Loge	na	Shallow well	5,30281	32,73681	1146	2008	na	na	Indan Melli	na	2008	na	24	Functioning	Clear	Tasteless	27	6.3	0.22	18.05	
HP-252	Skonge	Pangale	Pangale	3	Pangale	na	Shallow well	5,28628	32,71206	1151	2008	na	na	Tanra	na	2008	na	24	Functioning	Clear	Tasteless	26.3	6.6	0.03	8.13	
HP-253	Skonge	Pangale	Pangale	3	Pangale	na	Shallow well	5,27302	32,71785	1142	2008	na	na	Indan Melli	na	2008	na	24	Functioning	Clear	Tasteless	27	6.6	0.096	60.3	
HP-254	Skonge	Pangale	Uesulala	2	Kapatala	na	Shallow well	5,23203	32,70053	1145	1974	na	na	Tanra	na	1974	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-255	Skonge	Pangale	Uesulala	2	Uesulala	na	Shallow well	5,24707	32,67966	1151	2008	na	na	Indan Melli	na	2008	na	24	Functioning	Clear	Salty	26.8	6.24	0.08	34.4	
HP-256	Skonge	Pangale	Kianga	2	Chang'ombe	na	Deep well	5,55944	32,81601	1176	2009	na	na	Indan Melli	na	2009	na	24	Functioning	Clear	Salty	27.7	6.6	0.36	88.3	
HP-257	Skonge	Pangale	Kianga	2	Kianga Kiti	na	Deep well	5,55608	32,84082	1216	2008	na	na	Indan Melli	na	2008	na	24	Functioning	Clear	Tasteless	26.8	6.6	0.165	164	
HP-258	Skonge	Pangale	Mkoye	4	tunda	na	Shallow well	5,54793	32,67338	1136	2008	na	na	Indan Melli	na	2008	na	24	Functioning	Clear	Tasteless	27.8	5.96	0.05	27.6	
HP-259	Skonge	Pangale	Mkoye	4	tunda	na	Shallow well	5,56248	32,69838	1147	2008	na	na	Tanra	na	2008	na	24	Functioning	Clear	Tasteless	27.4	5.5	0.03	11.5	
HP-260	Skonge	Pangale	Mkoye	4	Ngojhano	na	Shallow well	5,56615	32,68317	1129	2003	2	na	Tanra	na	2003	na	na	Unfunctioning	na	na	na	na	na	na	na

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Hand Pump ID	District Municipality	Village / Street	Number of Handpumps in Village	General Information				GPS Coordinates (Map Datum Arc 1980)				Well Information				Handpump Information				Water Quality on the field				
				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Drilling Year	State Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)			
HP-761	Skonge	Mkoye	4	Ngothane	na	Shallow well	5,5532, 32,7485	1119	2008	na	na	na	na	2008	na	na	Functioning	Clear	Tasteless	27.8	5.6	0.068	6.3	
HP-762	Skonge	Mogole	2	Mogole	na	Shallow well	5,5729, 32,7483	1150	2008	na	na	na	na	2008	na	na	Functioning	Clear	Salty	26.9	6.4	0.25	27.5	
HP-763	Skonge	Mogole	2	Mogole	na	Shallow well	5,5643, 32,7478	1150	2008	na	na	na	na	2008	na	na	Functioning	Clear	Salty	26.8	6.4	0.24	26.5	
HP-764	Skonge	Skonge	19	Isungulane	na	Shallow well	5,6023, 32,7403	1161	2002	7.2	na	na	na	2002	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-765	Skonge	Skonge	19	Iymbakuzona	na	Shallow well	5,6437, 32,7474	1138	2007	na	na	na	na	2007	na	na	Functioning	Milky	Tasteless	27.5	5.4	0.061	11.85	
HP-766	Skonge	Skonge	19	Iymbakuzona	na	Shallow well	5,6493, 32,7488	1140	2007	na	na	na	na	2007	na	na	Functioning	Milky	Tasteless	29.6	6.2	0.22	6.34	
HP-767	Skonge	Skonge	19	Kengoge	na	Shallow well	5,6297, 32,7274	1117	2006	na	na	na	na	2006	na	na	Functioning	Milky	Salty	25.3	5.9	0.22	14.54	
HP-768	Skonge	Skonge	19	Kengoge	na	Shallow well	5,6373, 32,7397	1117	1989	na	na	na	na	1989	na	na	Unfunctioning	Clear	Tasteless	25.1	7.6	0.077	5.74	
HP-769	Skonge	Skonge	19	Mbamani	na	Shallow well	5,6156, 32,7453	1167	1983	na	na	na	na	1983	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-770	Skonge	Skonge	19	Mbamani	na	Shallow well	5,6008, 32,7426	1163	1984	na	na	na	na	1984	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-771	Skonge	Skonge	19	Mbamani	na	Shallow well	5,6061, 32,7503	1161	2009	na	na	na	na	2009	na	na	Functioning	Clear	Salty	26.2	6.53	0.25	46.2	
HP-772	Skonge	Skonge	19	Mbamani	na	Shallow well	5,6149, 32,7327	1151	2004	na	na	na	na	2004	na	na	Functioning	Clear	Salty	24.2	6.2	0.166	47.8	
HP-773	Skonge	Skonge	19	Mbamani	na	Shallow well	5,6167, 32,7322	1152	2002	na	na	na	na	2002	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-774	Skonge	Skonge	19	Ulanga	na	Shallow well	5,6161, 32,7485	1150	1983	na	na	na	na	1983	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-775	Skonge	Skonge	19	Ulanga	na	Shallow well	5,6134, 32,7371	1134	2008	na	na	na	na	2008	na	na	Functioning	Clear	Salty	25	6.1	0.32	20.1	
HP-776	Skonge	Skonge	19	Ulanga	na	Shallow well	5,6133, 32,7323	1120	2008	na	na	na	na	2008	na	na	Functioning	Clear	Tasteless	25.3	6	0.043	8.76	
HP-777	Skonge	Skonge	19	Ulanga	na	Shallow well	5,6251, 32,8028	1137	2007	na	na	na	na	2007	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-778	Skonge	Skonge	19	Ulanga	na	Shallow well	5,6366, 32,7857	1162	1984	na	na	na	na	1984	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-779	Skonge	Skonge	19	Ulanga	na	Shallow well	5,6306, 32,7479	1130	2003	na	na	na	na	2003	na	na	Functioning	Clear	Salty	24.4	6.24	0.42	65.9	
HP-780	Skonge	Skonge	19	Ulanga	na	Shallow well	5,6203, 32,7251	1146	2002	na	na	na	na	2002	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-781	Skonge	Skonge	19	Ulanga	na	Shallow well	5,6180, 32,7638	1148	2007	na	na	na	na	2007	na	na	Functioning	Clear	Tasteless	27.8	5.9	0.063	13.33	
HP-782	Skonge	Skonge	19	Ulanga	na	Shallow well	5,6304, 32,7515	1146	1984	na	na	na	na	1984	na	na	Functioning	Clear	Tasteless	26.6	1.3	0.168	46.5	
HP-783	Skonge	Mbivo	3	Kakulungu (Mbamani)	na	Shallow well	5,4897, 32,6207	1114	2008	na	na	na	na	2008	na	na	Functioning	Clear	Salty	25.5	6.51	0.14	6.6	
HP-784	Skonge	Mbivo	3	Mbivo (Mbamani)	na	Shallow well	5,5129, 32,5972	1119	2008	na	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-785	Skonge	Mbivo	3	Mbivo (Mbamani)	na	Shallow well	5,4866, 32,6226	1120	2008	na	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-786	Skonge	Mole	5	Kioleni A	na	Shallow well	5,4407, 32,6261	1152	2004	na	na	na	na	2004	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-787	Skonge	Mole	5	Kioleni A	na	Shallow well	5,4522, 32,6294	1139	2008	na	na	na	na	2008	na	na	Functioning	Clear	Tasteless	27.4	5.9	0.018	11.89	
HP-788	Skonge	Mole	5	Kioleni A	na	Shallow well	5,4648, 32,6212	1143	2003	na	na	na	na	2003	na	na	Functioning	Clear	Tasteless	25.8	5.2	0.04	7.2	
HP-789	Skonge	Mole	5	Kioleni B	na	Shallow well	5,4294, 32,6179	1143	2008	na	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-790	Skonge	Mole	5	Ulyoya	na	Shallow well	5,4517, 32,6196	1143	2008	na	na	na	na	2008	na	na	Functioning	Clear	Tasteless	26.5	6.21	0.028	6.3	
HP-791	Skonge	Mungano	2	Kabanga A	na	Shallow well	5,4745, 32,6138	1136	2008	na	na	na	na	2008	na	na	Functioning	Clear	Tasteless	27.4	5.79	0.087	6.6	
HP-792	Skonge	Mungano	2	Lulu	na	Shallow well	5,5052, 32,6132	1123	2008	na	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-793	Skonge	Tutao	7	Lelani	na	Shallow well	5,5089, 32,6191	1134	2007	na	na	na	na	2007	na	na	Functioning	Clear	Tasteless	27.7	6.1	0.07	5.86	
HP-794	Skonge	Tutao	7	Mediani	na	Shallow well	5,4973, 32,6152	1127	2007	na	na	na	na	2007	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-795	Skonge	Tutao	7	Mediani	na	Shallow well	5,4878, 32,6142	1129	2008	na	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-796	Skonge	Tutao	7	Mediani	na	Shallow well	5,4827, 32,6167	1142	2008	na	na	na	na	2008	na	na	Unfunctioning	Clear	Tasteless	28.9	6.6	0.09	10.6	
HP-797	Skonge	Tutao	7	Mediani	na	Shallow well	5,4828, 32,6166	1140	2008	na	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-798	Skonge	Tutao	7	Tutao (Mbamani)	na	Shallow well	5,4795, 32,6156	1122	2008	na	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-799	Skonge	Tutao	7	Tutao (Mbamani)	na	Shallow well	5,4892, 32,6179	1134	2008	na	na	na	na	2008	na	na	Functioning	Milky	Tasteless	28.7	6.3	0.34	20	
HP-800	Tlaloa Rural	Ishimwa	2	Ishimwa	3072	Deep well	4,3844, 32,5107	1197	2001	na	na	na	na	2001	na	na	Functioning	Clear	Salty	26.8	6.51	0.4	32.5	

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Hand Pump ID	District Municipality	Ward	Village / Street	Number of Pumps in Village	General Information			GPS Coordinates (Map Datum Arc 1980)			Well Information			Handpump Information						Water Quality on the field				
					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Drilling Water Level (m)	State	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)
HP-441	Tabona Rural	Igalala	Igalala	2	Igalala Sestheni	na	Shallow well	52.2855	33.01919	1182	1972	na	na	na	1972	na	na	Unfunctioning	na	na	na	na	na	na
HP-442	Tabona Rural	Igalala	Igalala	2	Maalaga	na	Shallow well	52.3005	33.0188	1117	1986	na	na	na	1986	na	na	Unfunctioning	na	na	na	na	na	na
HP-443	Tabona Rural	Kawepena	Kawepena	3	Chang omba	na	Deep well	52.6882	32.89182	1195	2008	na	na	na	2008	na	na	Functioning	Clear	Salty	27	6.32	0.4	36.8
HP-444	Tabona Rural	Igalala	Kawepena	3	Kawepena	na	Deep well	52.2656	32.89721	1200	2009	na	na	na	2009	na	na	Functioning	Clear	Salty	27	6.31	0.87	28.2
HP-445	Tabona Rural	Igalala	Kawepena	3	Nhlu	na	Deep well	52.9788	33.03941	1198	2008	na	na	na	2008	na	na	Functioning	Clear	Salty	27	7.08	0.77	50.9
HP-446	Tabona Rural	Igalala	Kigwa B	14	Kakyo	na	Shallow well	5.1112	33.05655	1212	1994	na	na	na	1994	na	na	Unfunctioning	na	na	na	na	na	na
HP-447	Tabona Rural	Igalala	Kigwa B	14	Naghi Chini	na	Shallow well	5.10333	33.1136	1196	2009	na	na	na	2009	na	na	Functioning	Clear	Tasteless	29.4	6.86	0.8	24
HP-448	Tabona Rural	Igalala	Kigwa B	14	Naghi Chini	na	Shallow well	5.11953	33.08198	1235	1994	na	na	na	1994	na	na	Functioning	Clear	Tasteless	26	5.64	0.4	62.2
HP-449	Tabona Rural	Igalala	Kigwa B	14	Naghi Chini	na	Shallow well	5.10797	33.10302	1221	na	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-450	Tabona Rural	Igalala	Kigwa B	14	Naghi Chini	na	Shallow well	5.10861	33.10986	1230	na	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-451	Tabona Rural	Igalala	Kigwa B	14	Mejengo	na	Shallow well	5.11817	33.1256	1217	1994	2.8	30	na	1994	na	na	Pump Removed	Mky	Tasteless	26	6.31	0.8	61.4
HP-452	Tabona Rural	Igalala	Kigwa B	14	Mejengo	na	Shallow well	5.11655	33.12433	1231	1994	1.4	6	na	1994	na	na	Pump Removed	Mky	Tasteless	26.9	6.62	0.86	42.3
HP-453	Tabona Rural	Igalala	Kigwa B	14	Mejengo	na	Shallow well	5.11787	33.12576	1294	1994	3.3	30	na	1994	na	na	Pump Removed	Clear	Salty	26	6.49	0.6	56.6
HP-454	Tabona Rural	Igalala	Kigwa B	14	Mejengo	na	Shallow well	5.12008	33.11796	1247	na	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-455	Tabona Rural	Igalala	Kigwa B	14	Mejengo	na	Deep well	5.11658	33.1226	1286	na	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-456	Tabona Rural	Igalala	Kigwa B	14	Ngambo	na	Shallow well	5.13448	33.1184	1166	1994	4.3	6	na	1994	na	na	Stolen	Clear	Tasteless	25.6	6.24	0.46	13.15
HP-457	Tabona Rural	Igalala	Kigwa B	14	Ngambo	na	Shallow well	5.13172	33.1095	1221	1994	1.9	30	na	1994	na	na	Pump Removed	Reddish	Tasteless	27.5	6.71	0.86	33.4
HP-458	Tabona Rural	Igalala	Kigwa B	14	Ngambo	na	Deep well	5.12545	33.10303	1140	1994	0.9	75	na	1994	na	na	Pump Removed	Mky	Tasteless	25.2	6.38	0.61	53.4
HP-459	Tabona Rural	Igalala	Kigwa B	14	Ngambo	na	Shallow well	5.12848	33.12246	1260	na	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-460	Tabona Rural	Igalala	Nzajala	4	Mzivazwa	782	Shallow well	5.18614	33.20279	1133	2009	na	na	na	2009	27	12	Functioning	clear	fresh	28	6.5	0.8	112.6
HP-461	Tabona Rural	Igalala	Nzajala	4	Mzivazwa	1200	Deep well	5.16972	33.2548	1128	2009	na	na	na	2009	30	12	Functioning	clear	fresh	28	6.2	0.5	117.4
HP-462	Tabona Rural	Igalala	Nzajala	4	Nzajala A	332088	Shallow well	5.1981	33.2088	1130	2009	na	na	na	2009	36	12	Unfunctioning	na	na	na	na	na	na
HP-463	Tabona Rural	Igalala	Nzajala	4	Nzajala B	600	Shallow well	5.17191	33.21419	1132	2009	na	na	na	2009	24	12	Functioning	clear	fresh	25.9	6.01	0.3	124.8
HP-464	Tabona Rural	Ilongulu	Ilongulu	3	Ilongulu Mjini	na	Shallow well	5.09674	32.63934	1052	1992	5.7	15	na	1992	na	na	Pump Removed	Clear	Tasteless	25	5.9	0.4	94.8
HP-465	Tabona Rural	Ilongulu	Ilongulu	3	Ilongulu Mjini	na	Shallow well	5.09306	32.63984	1128	na	na	na	na	na	na	na	Pump Removed	Mky	Tasteless	25.3	5.68	0.4	105.8
HP-466	Tabona Rural	Ilongulu	Ilongulu	3	Ilongulu Mjini	na	Shallow well	5.09333	32.63907	1130	na	na	na	na	na	na	na	Pump Removed	Clear	Tasteless	na	na	na	na
HP-467	Tabona Rural	Ilongulu	Ilongulu	3	Ilongulu Mjini	na	Shallow well	5.09231	32.63903	1202	na	na	na	na	na	na	na	Unfunctioning	Clear	Tasteless	26	6.5	0.3	75.1
HP-468	Tabona Rural	Ilongulu	Ilongulu	2	Ilongulu Mjini	na	Shallow well	5.09756	32.63907	1211	na	na	na	na	na	na	na	Pump Removed	Clear	Salty	23.8	6.88	0.4	26.9
HP-469	Tabona Rural	Ilongulu	Ilongulu	3	Mzila	na	Shallow well	4.99849	32.57937	1188	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-470	Tabona Rural	Ilongulu	Mzila	3	Mzila C	na	Shallow well	5.02227	32.59953	1220	na	na	na	na	na	na	na	Pump Removed	Mky	Salty	26.8	6.27	0.4	80.9
HP-471	Tabona Rural	Ilongulu	Mzila	3	Mzila Mshambiki	na	Shallow well	4.99873	32.57824	1108	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-472	Tabona Rural	Ilongulu	Ilongulu	3	Ilongulu Senta A	na	Shallow well	4.89015	33.1653	1259	na	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na
HP-473	Tabona Rural	Ilongulu	Ilongulu	3	Ilongulu Senta A	na	Shallow well	4.87966	33.16146	1289	na	na	na	na	na	na	na	Unfunctioning	clear	Tasteless	29.3	6.5	0.32	62.3
HP-474	Tabona Rural	Ilongulu	Ilongulu	3	Ilongulu Senta B	na	Shallow well	4.86131	33.17371	1256	na	na	na	na	na	na	na	Unfunctioning	clear	Tasteless	29.7	7.11	0.69	41.9
HP-475	Tabona Rural	Ilongulu	Ilongulu	1	Ilongulu Senta B	na	Deep well	4.86131	33.17488	1228	na	na	na	na	na	na	na	Unfunctioning	clear	Tasteless	29.7	7.11	0.69	41.9
HP-476	Tabona Rural	Ilongulu	Ilongulu	5	Ilongulu Senta	998	Shallow well	4.82348	33.13181	1239	2006	na	na	na	2006	na	na	Functioning	Mky	Salty	27.4	6.58	0.87	19.32
HP-477	Tabona Rural	Ilongulu	Ilongulu	5	Kilimnyoro	1286	Shallow well	4.8288	33.07234	1219	2006	na	na	na	2006	na	na	Functioning	Mky	Tasteless	28	5.48	0.4	35.1
HP-478	Tabona Rural	Ilongulu	Ilongulu	5	Mzila	417	Shallow well	4.82801	33.0802	1214	2006	na	na	na	2006	na	na	Unfunctioning	na	na	na	na	na	na
HP-479	Tabona Rural	Ilongulu	Ilongulu	5	Nyemwezi	508	Shallow well	4.80686	33.12291	1218	2006	na	na	na	2006	na	na	Functioning	Clear	Salty	26.2	6.79	0.8	42
HP-480	Tabona Rural	Ilongulu	Ilongulu	5	Pemba	402	Shallow well	4.81637	33.0938	1254	2006	na	na	na	2006	na	na	Functioning	Clear	Salty	27.6	6.55	0.88	8.69

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Hand Pump ID	District Municipality	Village / Street	Number of Pumps in Village	General Information				GPS Coordinates (Map Datum Arc 1980)				Well Information			Handpump Information					Water Quality on the field					
				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Drilling Year	State Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (µS/cm)				
HP-881	Tabona Rural	llawasamba	10	llahas	250	Deep well	488635	33.0954	1232	1997	na	na	na	na	1997	na	24	Functioning	MLKY	na	27.5	5.1	ND	141	
HP-882	Tabona Rural	llawasamba	10	llahas	300	Deep well	490243	33.1035	1230	1997	na	na	na	na	1997	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-883	Tabona Rural	llawasamba	10	llahas	260	Shallow well	490448	33.1036	1230	1997	na	na	na	na	1997	na	24	Unfunctioning	MLKY	na	26.8	6	0.4	102	
HP-884	Tabona Rural	llawasamba	10	llahas	UNKNOW	Shallow well	491361	33.1352	1229	1997	na	na	na	na	1997	na	24	Functioning	MLKY	na	27.1	5.3	ND	105	
HP-885	Tabona Rural	llawasamba	10	llahas	UNKNOW	Shallow well	490608	33.1494	1243	1997	na	na	na	na	1997	na	24	Functioning	MLKY	na	27	5	ND	88	
HP-886	Tabona Rural	llawasamba	10	llahas	UNKNOW	Shallow well	489862	33.1459	1242	1997	na	na	na	na	1997	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-887	Tabona Rural	llawasamba	10	llahas	400	Shallow well	492257	33.1048	1225	1997	na	na	na	na	1997	na	24	Functioning	MLKY	na	26.7	5.1	0.4	67	
HP-888	Tabona Rural	llawasamba	10	llahas	300	Shallow well	491837	33.1192	1227	1997	na	na	na	na	1997	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-889	Tabona Rural	llawasamba	10	llahas	UNKNOW	Shallow well	48925	33.1248	1235	1997	na	na	na	na	1997	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-890	Tabona Rural	llawasamba	10	llahas	UNKNOW	Shallow well	489298	33.1121	1237	1997	na	na	na	na	1997	na	24	Functioning	MLKY	na	26.8	6	0.4	500	
HP-891	Tabona Rural	Kzong	5	Kabale	na	Shallow well	523721	33.6445	1232	na	na	na	na	na	2008	na	24	Functioning	Clear	na	28	6.86	0.4	27.7	
HP-892	Tabona Rural	Kzong	5	Kzong Soma	na	Shallow well	534691	33.7398	1180	na	na	na	na	na	2008	na	24	Functioning	Clear	na	25.9	4.88	0.28	15.22	
HP-893	Tabona Rural	Kzong	5	Kzong Soma	na	Shallow well	534788	33.75027	1173	na	na	na	na	na	2008	na	24	Functioning	Clear	na	25.3	6.09	0.4	24	
HP-894	Tabona Rural	Kzong	5	Kzong Soma	na	Shallow well	534719	33.5786	1170	na	na	na	na	na	2008	na	24	Functioning	Clear	na	25.5	7.61	0.8	41.2	
HP-895	Tabona Rural	Kzong	5	Nandi	na	Shallow well	534626	33.6281	1218	na	na	na	na	na	2008	na	24	Functioning	Mky	na	26.2	5.34	0.2	14.36	
HP-896	Tabona Rural	Malongwe	6	Kaba Njapanda	na	Shallow well	539459	33.6936	1234	1999	na	na	na	na	2008	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-897	Tabona Rural	Kzong	6	Kaba Njapanda	na	Shallow well	536278	33.6909	1234	1999	na	na	na	na	2008	na	24	Functioning	Clear	na	25.4	7.01	0.5	38.5	
HP-898	Tabona Rural	Kzong	6	Malongwe Kali	na	Shallow well	54404	33.64272	1197	1996	na	na	na	na	2008	na	24	Functioning	Mky	na	27.2	6.52	0.52	8.3	
HP-899	Tabona Rural	Kzong	6	Malongwe Kali	na	Shallow well	54409	33.64342	1197	1996	na	na	na	na	2008	na	24	Functioning	Clear	na	26.1	6.17	0.2	14.4	
HP-900	Tabona Rural	Kzong	6	Malongwe Kali	na	Shallow well	544117	33.64324	1186	1996	na	na	na	na	2008	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-901	Tabona Rural	Kzong	6	Malongwe Kali	na	Shallow well	54672	33.6451	1221	1996	na	na	na	na	2008	na	24	Functioning	Clear	na	27.7	7.67	0.8	4.47	
HP-902	Tabona Rural	Kzong	6	Malongwe Kali	na	Shallow well	530743	33.4756	1176	na	na	na	na	na	2008	na	24	Functioning	Clear	na	26.1	5.14	0.26	20.5	
HP-903	Tabona Rural	Kzong	1	Mumbali	na	Deep well	548619	33.84139	1277	2009	na	na	na	na	2009	na	na	Under Construction	na	na	na	na	na	na	na
HP-904	Tabona Rural	Kzong	1	Tura Kali	2000	Shallow well	483174	33.68277	1147	na	na	na	na	na	2009	na	24	Functioning	Clear	na	28.5	5.6	0.35	16.4	
HP-905	Tabona Rural	Lofa	7	Kagra	na	Shallow well	511856	33.6226	1118	na	na	na	na	na	2009	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-906	Tabona Rural	Lofa	7	Legomwendo	na	Shallow well	523444	33.7357	1185	na	na	na	na	na	2009	na	na	Functioning	Clear	na	26.7	7.95	7.84	156.9	
HP-907	Tabona Rural	Lofa	7	Legomwendo	na	Shallow well	523214	33.7172	1181	na	na	na	na	na	2009	na	na	Functioning	Clear	na	25.8	7.75	3.5	22.2	
HP-908	Tabona Rural	Lofa	7	Lufana	na	Shallow well	516113	33.7284	1157	na	na	na	na	na	2008	na	24	Functioning	Clear	na	27.2	5.48	0.25	23.1	
HP-909	Tabona Rural	Lofa	7	Lufana	na	Shallow well	517859	33.7209	1151	na	na	na	na	na	2008	na	24	Functioning	Clear	na	27.2	7.3	3.2	22	
HP-910	Tabona Rural	Lofa	7	Makuba	na	Shallow well	512529	33.7599	1141	na	na	na	na	na	2009	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-911	Tabona Rural	Lofa	7	Mwanzani	na	Shallow well	517868	33.6519	1171	na	na	na	na	na	2008	na	24	Functioning	Mky	na	27	6.23	0.5	24.6	
HP-912	Tabona Rural	Lofa	2	Mpagala	na	Shallow well	481461	33.74124	1037	na	na	na	na	na	2009	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-913	Tabona Rural	Lofa	2	Mpagala	na	Shallow well	480648	33.74971	1052	na	na	na	na	na	2009	na	24	Functioning	Muddy	na	28	7.2	0.95	14.6	
HP-914	Tabona Rural	Lutenda	5	Mhoyesang	na	Shallow well	491637	33.6794	1167	na	na	na	na	na	2012	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-915	Tabona Rural	Lutenda	5	Mumba/Mwale	na	Shallow well	495265	33.6274	1205	na	na	na	na	na	2008	na	24	Functioning	Mky	na	27.3	7.03	0.6	25.3	
HP-916	Tabona Rural	Lutenda	5	Mwale	na	Shallow well	489819	33.57446	1195	na	na	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-917	Tabona Rural	Lutenda	5	Mwale	na	Shallow well	485268	33.63143	1192	na	na	na	na	na	2008	na	24	Functioning	Clear	na	26.3	8.76	5.2	188	
HP-918	Tabona Rural	Lutenda	5	Mwale/Kali	na	Shallow well	492843	33.4463	1219	na	na	na	na	na	2009	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-919	Tabona Rural	Mibama	5	Black Farm	na	Shallow well	500174	32.49054	1153	1992	na	na	na	na	1992	na	24	Functioning	Clear	na	27	4.72	0.4	54.4	
HP-920	Tabona Rural	Mibama	5	Mwongola	na	Shallow well	498504	32.47818	1157	1992	na	na	na	na	1992	na	24	Functioning	Clear	na	26.1	5.68	0.8	60.1	

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Hand Pump ID	District Municipality	Village / Street	Ward	General Information				GPS Coordinates (Map Datum Arc 1980)			Well Information		Handpump Information					Water Quality on the field						
				Number of Handpumps in Village	Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Static Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)
HP-821	Tabora Rural	Kalola	Mabamba	5	Maga	na	Shallow well	5,02568	32,49337	1117	1992	na	na	1997	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-822	Tabora Rural	Kalola	Mabamba	5	Mwenge	na	Shallow well	5,02738	32,4984	1161	1992	na	na	1992	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-823	Tabora Rural	Kalola	Mabamba	5	Tewa	na	Shallow well	5,04853	32,49381	1159	1992	na	na	1992	na	na	Functioning	Mky	Tasteless	27,5,62	0,42	0,42	92	
HP-824	Tabora Rural	Mabamba	Mabamba	2	Mabamba Magharibi	na	Shallow well	5,12321	32,50191	1140	2009	na	6	2009	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-825	Tabora Rural	Mabamba	Mabamba	2	Mabamba Magharibi	na	Shallow well	5,11935	32,51308	1153	2009	na	5	2009	na	na	Functioning	Yellowish	Table of iron	27,5,66	0,47	0,47	7,4	
HP-826	Tabora Rural	Mwawaya	Mwawaya	3	Mwawaya Magharibi	na	Shallow well	5,09839	32,49811	1148	1997	5	6	1997	na	na	Pump Removed	Clear	Tasteless	27,3,51	0,7	0,6	83,3	
HP-827	Tabora Rural	Mwawaya	Mwawaya	3	Mwawaya Mashariki	na	Shallow well	5,06633	32,49276	1144	na	4	6	na	na	na	Pump Removed	Clear	Tasteless	27,6,39	0,4	0,4	53,8	
HP-828	Tabora Rural	Mwawaya	Mwawaya	3	Mwawaya Mashariki	na	Shallow well	5,06497	32,49199	1151	1995	na	na	1995	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-829	Tabora Rural	Ititika	Ndono	6	Ititika Kivangani	na	Shallow well	5,04603	32,41111	1123	1983	na	7	1983	na	na	Pump Removed	na	na	na	na	na	na	na
HP-830	Tabora Rural	Ititika	Ndono	6	Ititika Kivangani	na	Shallow well	5,04648	32,41244	1113	1983	na	7	1983	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-831	Tabora Rural	Ititika	Ndono	6	Ititika Kivangani	na	Shallow well	5,04811	32,40945	1111	1983	na	7	1983	na	na	Pump Removed	na	na	na	na	na	na	na
HP-832	Tabora Rural	Ititika	Ndono	6	Ititika Kivangani	na	Shallow well	5,04807	32,40932	1113	1983	na	10	1983	na	na	Pump Removed	Clear	Salty	25,4,54	0,8	0,8	102,5	
HP-833	Tabora Rural	Ititika	Ndono	6	Ititika Lemini	na	Shallow well	5,04695	32,40977	1125	1983	na	7	1983	na	na	Pump Removed	na	na	na	na	na	na	na
HP-834	Tabora Rural	Ititika	Ndono	6	Kalawe	na	Shallow well	5,04855	32,41934	1095	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-835	Tabora Rural	Ndono	Ndono	7	Ndono Kuzini	na	Shallow well	5,11671	32,42386	1174	na	2,7	na	na	na	na	Pump Removed	Mky	Tasteless	25,2,6,15	0,4	0,4	144,6	
HP-836	Tabora Rural	Ndono	Ndono	7	Ndono Kuzini	na	Shallow well	5,11281	32,44279	1159	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-837	Tabora Rural	Ndono	Ndono	7	Ndono Mlimbani	na	Shallow well	5,11019	32,4535	1151	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-838	Tabora Rural	Ndono	Ndono	7	Ndono Sena	na	Shallow well	5,1021	32,44622	1162	1992	na	na	1992	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-839	Tabora Rural	Ndono	Ndono	7	Ndono Sena	na	Shallow well	5,10133	32,44888	1167	1992	6,8	na	1992	na	na	Stolen	Clear	Tasteless	26,2,6,51	0,4	0,4	4,06	
HP-840	Tabora Rural	Ndono	Ndono	7	Ndono Sena	na	Shallow well	5,1056	32,44286	1165	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-841	Tabora Rural	Ndono	Ndono	7	Ndono Sena	na	Shallow well	5,0946	32,42562	1164	na	2,4	na	na	na	na	Unfunctioning	Mudy	Tasteless	24,3,6,24	0,8	0,8	86,4	
HP-842	Tabora Rural	Ndono	Ndono	4	Ndurai C	na	Shallow well	4,97913	32,42581	1115	1983	na	na	1983	na	na	Pump Removed	Clear	Tasteless	25,5,6,52	0,4	0,4	105,6	
HP-843	Tabora Rural	Ndono	Ndono	4	Ndulus Mlimani	na	Shallow well	4,98624	32,41689	1113	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-844	Tabora Rural	Ndono	Ndono	4	Ndulus Mlimani	na	Shallow well	4,98258	32,4121	1117	1983	na	na	1983	na	na	Pump Removed	na	na	na	na	na	na	na
HP-845	Tabora Rural	Ndono	Ndono	4	Ndurai Sena	na	Shallow well	5,00741	32,42	1137	1983	1,6	na	1983	na	na	Pump Removed	Clear	Salty	25,8,6,09	0,4	0,4	98	
HP-846	Tabora Rural	Ululuma	Ululuma	3	Ibaha	na	Shallow well	4,90823	32,41371	1219	1997	na	na	1997	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-847	Tabora Rural	Ululuma	Ululuma	3	Mzazi Mjooja	na	Shallow well	4,88903	32,40885	1195	1997	na	15	1997	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-848	Tabora Rural	Ululuma	Ululuma	3	Nambas	na	Shallow well	4,89823	32,42225	1235	1997	na	na	1997	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-849	Tabora Rural	Ululuma	Ululuma	5	Chesaa Mlimani	na	Shallow well	4,93353	32,42454	1159	1997	na	30	1997	na	na	Functioning	Mky	Salty	24,2,6,78	0,8	0,8	42,8	
HP-850	Tabora Rural	Chesaa	Chesaa	5	Igulu	na	Shallow well	4,9214	32,44032	1107	1997	na	na	1997	na	na	Functioning	Clear	Tasteless	26,3,6,14	0,4	0,4	78,8	
HP-851	Tabora Rural	Chesaa	Chesaa	5	hurubi	na	Shallow well	4,91664	32,42736	1123	1996	na	na	1996	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-852	Tabora Rural	Chesaa	Chesaa	5	Loangulu	na	Shallow well	4,90834	32,44979	1121	1997	na	30	1997	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-853	Tabora Rural	Chesaa	Chesaa	5	Uzuyungu	na	Shallow well	4,93595	32,43245	1090	1996	na	na	1996	na	na	Functioning	Clear	Salty	26,6,5	0,4	0,4	52	
HP-854	Tabora Rural	Ndazazi	Ndazazi	2	Mkazi Sena	150	Shallow well	4,95001	32,3139	1179	1997	na	na	1997	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-855	Tabora Rural	Ululuma	Ululuma	2	Mkazi Sena	75	Shallow well	4,94548	32,311	1121	1997	na	na	1997	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-856	Tabora Rural	Ululuma	Ululuma	3	Imahimpaka	na	Shallow well	4,96757	32,39628	1131	1982	3,8	6	1982	na	na	Pump Removed	Clear	Tasteless	25,2,6,46	0,4	0,4	140,6	
HP-857	Tabora Rural	Ululuma	Ululuma	3	Imahimpaka	na	Shallow well	4,95441	32,39556	1097	1982	4	10	1982	na	na	Unfunctioning	Clear	Tasteless	24,3,6,09	0,8	0,8	86,5	
HP-858	Tabora Rural	Ululuma	Ululuma	3	Ululuma Sena	na	Shallow well	4,97839	32,39884	1147	na	6	15	na	na	na	Pump Removed	Mky	Salty	26,3,6,93	0,4	0,4	29,9	
HP-859	Tabora Rural	Ugwoola	Ugwoola	6	Ugwoola	na	Shallow well	4,91814	32,32959	1090	2001	na	6	2001	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-860	Tabora Rural	Ugwoola	Ugwoola	6	Ugwoola A	na	Shallow well	4,95446	32,35812	1126	2001	na	6	2001	na	na	Functioning	na	na	na	na	na	na	na

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Hand Pump ID	District Municipality	Village / Street	Number of Handpumps in Village	General Information				GPS Coordinates (Map Datum Arc 1980)				Well Information				Handpump Information						Water Quality on the field			
				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Drilling Year	State Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)				
HP-1001	Tabara Urban	Itebena	18	Kipalapaa Masaharik	na	Shallow well	5,0842	32,79852	1199	2008	4	6	Tanre	5	2004	na	Functioning	MLKY	Good	27.7	6.5	0.4	40.5		
HP-1002	Tabara Urban	Itebena	18	Kipalapaa Masaharik	UNKNOWN	Shallow well	5,07989	32,79852	1191	2001	3	6	Akdev	4.5	2001	na	Functioning	na	na	na	na	na	na	na	
HP-1003	Tabara Urban	Itebena	18	Kipalapaa Masaharik	UNKNOWN	Shallow well	5,10683	32,80464	1174	2001	3	6	Akdev	4.5	2001	na	Functioning	na	na	na	na	na	na	na	
HP-1004	Tabara Urban	Itebena	18	Kwihara	na	Shallow well	5,06476	32,7841	1215	2004	4	6	Akdev	5	2004	na	Functioning	MLKY	Good	26.6	6.1	0.4	18		
HP-1005	Tabara Urban	Itebena	18	Kwihara	na	Shallow well	5,06586	32,78117	1215	2003	4	6	Akdev	5	2003	na	Functioning	MLKY	Good	23.3	6.13	0.4	23.8		
HP-1006	Tabara Urban	Itebena	18	Meimiba	UNKNOWN	Shallow well	5,09713	32,83254	1176	2001	2	6	Tanre	5	2001	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1007	Tabara Urban	Itebena	18	Meimiba	UNKNOWN	Shallow well	5,08172	32,79513	1204	2003	3.5	6	Tanre	4.5	2003	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1008	Tabara Urban	Itebena	18	Meimiba	UNKNOWN	Shallow well	5,07985	32,79732	1195	2004	3	6	Tanre	5.1	2004	na	Functioning	Milk	Mud	27.2	5.8	ND	5.6		
HP-1009	Tabara Urban	Itebena	8	Igombari	110	Deep well	5,18866	32,75421	1166	2004	na	30	Indian Mill	na	na	na	Functioning	Milk	Salty	27	6.1	0.8	6.28		
HP-1010	Tabara Urban	Itebena	6	Igombari	250	Unknow	5,18108	32,75098	1150	2005	na	30	Akdev	na	na	na	Functioning	Milk	Fresh	26.4	5.51	0.4	8.15		
HP-1011	Tabara Urban	Itebena	6	Ikwid	350	Deep well	5,17954	32,79516	1144	2001	na	30	Indian Mill	na	2001	na	Functioning	Milk	Fresh	26.2	6.49	0.8	1.894		
HP-1012	Tabara Urban	Itebena	8	Ikwid	250	Deep well	5,18466	32,7276	1135	2001	na	30	Indian Mill	na	2001	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1013	Tabara Urban	Itebena	6	Makaja Magharibi	UNKNOWN	Shallow well	5,14613	32,74443	1185	2001	na	30	Indian Mill	na	2001	na	Functioning	Milk	Fresh	27.4	6.09	ND	7.75		
HP-1014	Tabara Urban	Itebena	6	Makaja Magharibi	100	Unknow	5,13854	32,74953	1200	2002	na	30	Indian Mill	na	2001	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1015	Tabara Urban	Itebena	6	Makaja Magharibi	150	Unknow	5,15476	32,75762	1190	2003	na	30	Indian Mill	na	2001	na	Functioning	Clear	Salty	26.7	5.7	0.6	1.52		
HP-1016	Tabara Urban	Itebena	6	Tanra	295	Deep well	5,15489	32,75762	1143	2001	na	30	Indian Mill	na	2001	na	Functioning	Clear	Palatable	27.6	5.01	0.4	6.27		
HP-1017	Tabara Urban	Itebena	6	Imabauki	UNKNOWN	Deep well	5,14671	32,71105	1147	2001	na	30	Indian Mill	na	2001	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1018	Tabara Urban	Itebena	6	Naliova Kali	UNKNOWN	Unknow	5,11918	32,73864	1203	2003	2.5	6	Tanre	na	2003	na	Functioning	MCKY	Fresh	25	6.2	0.4	7.5		
HP-1019	Tabara Urban	Itebena	6	Naliova Kali	UNKNOWN	Deep well	5,1084	32,75596	1199	2001	na	30	Indian Mill	na	2001	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1020	Tabara Urban	Itebena	6	Shimo la udongo	UNKNOWN	Deep well	5,12656	32,72084	1171	2001	na	30	Indian Mill	na	2001	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1021	Tabara Urban	Itebena	6	Usenge	UNKNOWN	Unknow	5,07061	32,74584	1196	na	na	30	Tanre	na	2003	na	Functioning	Clear	Salty	25.8	6.72	0.8	3.75		
HP-1022	Tabara Urban	Itebena	6	Usenge	UNKNOWN	Unknow	5,07798	32,75283	1204	2004	3	6	Tanre	na	2004	na	Functioning	milk	Fresh	26.3	6.22	0.4	3.16		
HP-1023	Tabara Urban	Rijcha	5	Rijcha Kali	168	Deep well	5,03388	32,93624	1275	2009	na	50	Indian Mill	na	2009	na	Functioning	Milk	Fresh	27.1	6.9	0.4	9.2		
HP-1024	Tabara Urban	Rijcha	5	Rijcha Kali	na	Shallow well	5,03666	32,93615	1266	2003	na	6	no pump	na	2003	na	Pump Removed	na	na	na	na	na	na	na	
HP-1025	Tabara Urban	Rijcha	5	Mabababa	na	Deep well	5,04856	32,82007	1245	2008	na	70	Indian Mill	na	2008	na	Functioning	Milk	Fresh	27.2	7.2	0.4	6.4		
HP-1026	Tabara Urban	Rijcha	5	Ujundi	200	Shallow well	5,0267	32,94481	1264	2003	na	4	no pump	na	2003	na	Pump Removed	na	na	na	na	na	na	na	
HP-1027	Tabara Urban	Rijcha	5	Ujundi	200	Deep well	5,0324	32,95107	1252	2009	na	45	Akdev	na	2009	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1028	Tabara Urban	Rijcha	7	Rijcha	200	Shallow well	4,97583	32,85886	1235	2005	na	na	Indian Mill	na	2005	2	24	Unfunctioning	na	na	na	na	na	na	na
HP-1029	Tabara Urban	Rijcha	7	Rijcha	250	Shallow well	4,98223	32,94885	1242	2004	na	na	Indian Mill	na	2004	3	24	Functioning	Milk	Tasteless	24	6.3	1.2	15.6	
HP-1030	Tabara Urban	Rijcha	7	Manole	250	Shallow well	4,9796	32,92701	1226	1998	na	na	no pump	na	1998	4	24	Stolen	na	na	na	na	na	na	na
HP-1031	Tabara Urban	Rijcha	7	Manole	500	Shallow well	4,98263	32,92488	1211	2006	na	30	no pump	na	2006	5	24	Stolen	Milk	Tasteless	25.9	6.1	0.4	12.88	
HP-1032	Tabara Urban	Rijcha	7	Manole	500	Shallow well	4,97725	32,93189	1247	1990	na	na	no pump	na	1990	3	24	Pump Removed	na	na	na	na	na	na	na
HP-1033	Tabara Urban	Rijcha	7	Nyambele	220	Shallow well	4,97068	32,94484	1245	2003	7.50	na	no pump	na	2003	2	24	Stolen	Milk	Tasteless	25.2	5.9	0.4	12.61	
HP-1034	Tabara Urban	Rijcha	7	Nyambele	300	Shallow well	4,96624	32,85261	1245	2001	5.3	na	Indian Mill	na	2001	5	24	Stolen	Milk	Tasteless	25.4	6.1	0.8	15.88	
HP-1035	Tabara Urban	Rijcha	2	Kazima Kali	Unknow	Deep well	4,95415	32,88866	1206	1944	na	na	no pump	na	2002	na	Pump Removed	na	na	na	na	na	na	na	
HP-1036	Tabara Urban	Rijcha	2	Kazima Kali	Unknow	Deep well	4,99753	32,89279	1195	1944	na	na	no pump	na	na	na	Pump Removed	na	na	na	na	na	na	na	
HP-1037	Tabara Urban	Kakobi	3	Itebwa	100	Deep well	4,72863	32,79907	1146	2009	na	na	Indian Mill	na	2009	1000	24	Functioning	Clear	Tasteless	25.3	5.7	0.3	7.08	
HP-1038	Tabara Urban	Kakobi	3	Kapuzee	120	Deep well	4,741	32,79256	1146	2009	na	na	Indian Mill	na	2009	1300	24	Functioning	Clear	Salty	21.9	6.5	0.39	18.23	
HP-1039	Tabara Urban	Kakobi	3	Kapuzee	120	Deep well	4,71891	32,79596	1139	2009	na	na	Indian Mill	na	2009	1300	24	Functioning	Clear	Tasteless	24.2	6.48	0.144	6.9	
HP-1040	Tabara Urban	Kakobi	1	Kakobi	905	Shallow well	4,87228	32,82923	1186	1988	na	6	Indian Mill	na	2009	19500	24	Functioning	Milk	Tasteless	24.3	6.1	0.7	8.62	

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				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Drilling Year	State Water Level (m)	Drilling Depth (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)					
HP-1041	Tabora Urban	Kakola	1	Magwoko	180	Shallow well	48.4776	32.72716	1158	2008	na	6	Indian Mtl	na	2008	3	24	Functioning	Mlky	Salty	26.4	6.13	0.6	14.94			
HP-1042	Tabora Urban	Izmbil	1	Izmbil	500883	Unknown	32.62611	1194	2008	na	6.5	na	Indian Mtl	na	2008	na	24	Functioning	Clear	Clear	26.7	5.2	0.4	28			
HP-1043	Tabora Urban	Kalanda	8	Block farm	490881	Shallow well	32.67121	1127	2004	na	6	na	Afdev	na	2004	na	24	Functioning	Mud	Clear	27.2	5.7	ND	16			
HP-1044	Tabora Urban	Kalanda	8	Block farm	491504	Shallow well	32.65298	1134	2004	na	6.5	na	Afdev	na	2004	na	24	Functioning	Mud	Clear	26.8	5.8	ND	17.2			
HP-1045	Tabora Urban	Kalanda	8	Block farm	490598	Shallow well	32.69804	1129	2008	na	6.5	na	Afdev	na	2008	na	24	Functioning	Clear	Clear	26.9	5.9	0.4	18			
HP-1046	Tabora Urban	Kalanda	8	Miang	495742	Shallow well	32.68981	1150	1997	na	6	na	Afdev	na	1997	na	24	Functioning	Clear	Clear	26.2	6.2	0.4	16.2			
HP-1047	Tabora Urban	Kalanda	8	Miang	495075	Shallow well	32.68985	1150	1997	na	6.5	na	Afdev	na	1997	na	24	Functioning	Clear	Clear	26.8	5.3	0.4	18.3			
HP-1048	Tabora Urban	Kalanda	8	Miang	49374	Shallow well	32.64947	1143	1997	na	6.4	na	Afdev	na	1997	na	24	Functioning	Clear	Clear	26.9	5.4	0.8	19			
HP-1049	Tabora Urban	Kalanda	8	Umarah	487875	Shallow well	32.65885	1133	2009	na	6	na	Indian Mtl	na	2009	na	24	Functioning	Clear	Clear	26.4	6.4	0.4	30			
HP-1050	Tabora Urban	Kalanda	8	Umarah	487469	Shallow well	32.64573	1127	2009	na	6.2	na	Tanna	na	2009	na	24	Functioning	Clear	Clear	26.9	5.6	0.4	22			
HP-1051	Tabora Urban	Kalanda	3	Ivonga	UNKNOW	Shallow well	32.74816	1179	na	6.5	na	na	Indian Mtl	na	2008	na	na	Functioning	Clear	Clear	26.9	5.8	0.8	6.3			
HP-1052	Tabora Urban	Kalanda	3	Ujmbil	UNKNOW	Shallow well	32.7109	1159	na	6	na	na	no pump	na	na	na	na	Under Construction	na	na	na	na	na	na			
HP-1053	Tabora Urban	Kalanda	3	Ujmbil	UNKNOW	Shallow well	32.7599	1173	na	6.8	na	na	Indian Mtl	na	2008	na	na	Functioning	Clear	Clear	26.8	6.2	0.4	12			
HP-1054	Tabora Urban	Misha	1	Igmbilo val	1956	Shallow well	49.1246	32.7346	1143	2009	na	na	Indian Mtl	na	2009	13582	24	Functioning	Mlky	Tasteless	26	6.6	1.01	11.15			
HP-1055	Tabora Urban	Misha	1	Kalala Kiti	400	Shallow well	48.8667	32.76683	1185	2009	na	6	Indian Mtl	na	2009	5	24	Functioning	Clear	Tasteless	26.8	5.2	0.2	13.94			
HP-1056	Tabora Urban	Misha	3	Lembil	UNKNOW	Shallow well	32.7330	1185	2007	2	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na			
HP-1057	Tabora Urban	Misha	3	Masagala Kiti	na	Deep well	49.8459	32.8146	1204	2007	na	na	Indian Mtl	na	2007	na	24	Functioning	Mlky	Salty	24.8	6.48	0.95	103.7			
HP-1058	Tabora Urban	Misha	3	Masagala	na	Deep well	49.1924	32.7807	1215	2007	na	na	Indian Mtl	na	2007	na	24	Functioning	Clear	Slightly Salty	25.5	6.68	1.71	51.1			
HP-1059	Tabora Urban	Nirevwa	5	Ibaas	800	Shallow well	51.2019	32.8878	1204	2008	na	6	Afdev	na	2008	na	24	Unfunctioning	MLKY	Mud	27.7	6.1	0.4	215			
HP-1060	Tabora Urban	Nirevwa	5	Ibaa one	800	Shallow well	50.6828	32.9725	1223	2008	na	7	Afdev	na	2008	na	24	Functioning	MLKY	Mud	24.9	5.9	ND	210			
HP-1061	Tabora Urban	Nirevwa	5	Membosi	220	Shallow well	51.0892	32.81613	1198	2008	na	5.9	Afdev	na	2008	na	na	Functioning	na	na	na	na	na	na			
HP-1062	Tabora Urban	Nirevwa	5	Membosi	540	Shallow well	51.0718	32.89388	1212	2008	na	7.2	Indian Mtl	na	2008	na	na	Functioning	na	na	na	na	na	na			
HP-1063	Tabora Urban	Nirevwa	5	Shaurimoyo	500	Shallow well	50.884	32.94195	1225	2008	na	6	Indian Mtl	na	2008	na	24	Functioning	na	na	na	na	na	na			
HP-1064	Tabora Urban	Nirevwa	1	Ibaa Station	1400	Shallow well	51.3724	32.89851	1181	2009	na	6	Indian Mtl	4	2009	na	24	Unfunctioning	MLKY	Mud Taste	25.2	5.2	0.4	120			
HP-1065	Tabora Urban	Nirevwa	2	Mihagwala	na	Deep well	5.1088	32.8783	1207	2008	na	4.8	Afdev	na	2008	na	12	Functioning	Mlky	Fresh	27.4	7	0.4	5.4			
HP-1066	Tabora Urban	Nirevwa	2	Mihagwala	na	Shallow well	5.10712	32.89307	1217	2008	na	4	Indian Mtl	na	2008	na	11	Functioning	Mlky	Fresh	27.2	7.2	ND	6.3			
HP-1067	Tabora Urban	Tumbi	6	Ibaa	na	Shallow well	51.7938	32.89727	1141	2008	na	6	Afdev	na	2008	na	na	Unfunctioning	na	na	na	na	na	na			
HP-1068	Tabora Urban	Tumbi	6	Kipela Kasakani	na	Shallow well	51.0883	32.89873	1144	2008	na	6	Afdev	na	2008	na	na	Unfunctioning	Mud	Clear	26.8	6.4	0.4	46			
HP-1069	Tabora Urban	Tumbi	6	Kipela Kasakani	na	Shallow well	51.4446	32.89057	1139	2008	na	6	Afdev	na	na	na	na	Functioning	Mud	Clear	26.8	6.9	0.4	48			
HP-1070	Tabora Urban	Tumbi	6	Sokine	na	Shallow well	50.2219	32.89027	1189	2008	na	6.5	Afdev	na	24	na	24	Functioning	Clear	Clear	26.4	6.2	0.8	25.2			
HP-1071	Tabora Urban	Tumbi	6	Tumba Kaboni	na	Unknown	50.7623	32.89489	1182	2008	na	6	Indian Mtl	na	na	na	na	Functioning	Mud	Clear	26.7	5.8	0.8	28			
HP-1072	Tabora Urban	Tumbi	6	Tumba Kaboni	na	Unknown	50.8232	32.89608	1186	na	na	na	Afdev	na	na	na	na	Functioning	Mud	Clear	26.8	6.1	0.4	30			
HP-1073	Tabora Urban	Uyil	1	Imamhaye	2500	Shallow well	49.8964	32.89294	1230	2008	na	6	Indian Mtl	na	2008	82	24	Functioning	Mlky	Salty	24.7	5.9	0.9	10.9			
HP-1074	Tabora Urban	Uyil	1	Kalungu	Unknown	Deep well	4.8088	32.8797	1205	2003	na	5.8	Indian Mtl	na	2003	na	24	Unfunctioning	na	na	na	na	na	na			
HP-1075	Tabora Urban	Uyil	2	Mandao	Unknown	Deep well	4.942	32.8328	1193	2008	na	na	Indian Mtl	na	2008	na	24	Unfunctioning	Mlky	Tasteless	25.2	5.6	0.67	19.7			
HP-1076	Tabora Urban	Uyil	1	Kalumba	3000	Deep well	48.8345	32.88124	1189	2008	na	6	Indian Mtl	na	2008	3	24	Functioning	Mlky	Salty and Colour	24.4	5.9	0.7	15.08			
HP-1077	Urambo	Ichemba	3	Ichemba	na	Shallow well	47.781	32.8944	1112	2008	na	8	Tanna	7	2008	na	12	Functioning	Clear	Fresh	26.5	6.3	0.4	6.3			
HP-1078	Urambo	Ichemba	3	Ichemba	na	Deep well	47.9445	32.93744	1133	1999	na	6.8	Afdev	65	na	na	8	Functioning	Clear	Fresh	26.5	6.3	0.4	6.3			
HP-1079	Urambo	Ichemba	3	Ichemba	na	Shallow well	47.8653	32.9006	1129	2009	na	7	Tanna	6	2009	na	na	Under Construction	na	na	na	na	na	na			
HP-1080	Urambo	Ichemba	3	Ichemba	na	Shallow well	48.7888	32.7571	1113	1980	na	8	no pump	7	1980	na	na	Pump Removed	na	na	na	na	na	na			

既存給水施設リスト (ハンドポンプ)

Hand Pump ID	District Municipality	Village	Street	Village / Street	General Information			GPS Coordinates (Map Datum Arc 1980)			Well Information			Handpump Information					Water Quality on the field							
					Number of Handpumps in Village	Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Static Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)	
HP-1081	Urumbi	t/hembu	Makigi	Makigi	3	Makigi	na	Deep well	46.7445	32.2895	1112	2005	na	60	Indian Mill	59	2005	na	12	Functioning	Clear	Fresh	26.5	6.3	0.4	4.5
HP-1082	Urumbi	t/hembu	Makigi	Makigi	3	Ugala	na	Deep well	47.0563	32.3185	1116	1998	na	65	Akdev	63	1998	na	6	Functioning	Clear	Salty	27.5	6.9	0.8	32
HP-1083	Urumbi	igagala	Kamsekwa	Kamsekwa	1	Kamsekwa	3000	Deep well	49.2432	31.6837	1110	2008	na	na	Akdev	2008	2008	1026	24	Unfunctioning	na	na	na	na	na	na
HP-1084	Urumbi	igagala	Kazana Ujale	Kazana Ujale	4	Kazana Ujale	1336	Deep well	43.8562	31.9302	1098	2008	na	120	Indian Mill	na	2008	300	24	Unfunctioning	na	na	na	na	na	na
HP-1085	Urumbi	igagala	Kazana Ujale	Kazana Ujale	4	Kazana Ujale	1336	Shallow well	43.9331	31.9572	1090	2008	na	na	Tanna	na	2008	na	24	Unfunctioning	na	na	na	na	na	na
HP-1086	Urumbi	igagala	Kazana Ujale	Kazana Ujale	4	Kazana Ujale	1336	Deep well	43.9371	31.6038	1094	1973	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-1087	Urumbi	igagala	Kazana Ujale	Kazana Ujale	4	Kazana Ujale	1336	Deep well	43.9384	31.60374	1094	1973	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-1088	Urumbi	igagala	Kanoge	Kanoge	2	Kanoge	650	Shallow well	49.2078	31.67208	1098	2008	na	3.8	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-1089	Urumbi	igagala	Mvoga	Mvoga	2	Mvoga	600	Shallow well	49.8543	31.68178	1097	2008	na	3.4	Akdev	na	2008	130	24	Unfunctioning	Mky	Salty	26.4	6.7	0.36	26.7
HP-1090	Urumbi	igagala	Makija	Makija	2	Igalan Na 6	2300	Shallow well	49.9073	31.67133	1097	2008	na	50	Akdev	na	2008	630	24	Functioning	Mky	Tasteless	26.1	6.4	0.2	9.2
HP-1091	Urumbi	igagala	Makija	Makija	2	Igalan Na 6	2300	Shallow well	49.9572	31.63396	1103	2008	na	54	Akdev	na	2008	630	24	Unfunctioning	na	na	na	na	na	na
HP-1092	Urumbi	Imalamakoye	Imalamakoye C	Imalamakoye C	6	Imalamakoye C	782	Shallow well	51.0883	32.08618	1101	na	na	na	Akdev	na	2008	189.4	12	Under Construction	na	na	na	na	na	na
HP-1093	Urumbi	Imalamakoye	Imalamakoye C	Imalamakoye C	6	Imalamakoye C	782	Shallow well	51.0824	32.09822	1120	2009	na	na	Akdev	na	2009	189.4	24	Unfunctioning	na	na	na	na	na	na
HP-1094	Urumbi	Imalamakoye	Imalamakoye C	Imalamakoye C	6	Imalamakoye C	782	Shallow well	51.0885	32.08988	1118	na	na	na	no pump	na	na	150.4	na	Pump Removed	na	na	na	na	na	na
HP-1095	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	6	Imalamakoye D	878	Shallow well	51.0865	32.10002	1113	na	na	na	Shinyaga pump	na	1974	175.6	na	Unfunctioning	na	na	na	na	na	na
HP-1096	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	6	Imalamakoye D	878	Shallow well	51.0883	32.10831	1104	na	na	na	no pump	na	na	175.6	na	Pump Removed	na	na	na	na	na	na
HP-1097	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	6	Imalamakoye D	915	Shallow well	51.0725	32.07095	1107	2005	6.2	na	no pump	na	na	193	na	Pump Removed	Clear	Tasteless	25.7	6.1	0.086	11.4
HP-1098	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	2	Imalamakoye D	2000	Shallow well	52.0272	32.08471	1098	2008	na	na	Tanna	na	2008	240	12	Functioning	Clear	Tasteless	27	5.4	0.085	62
HP-1099	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	2	Mawung	2000	Deep well	52.0848	32.07948	1097	2008	na	na	Indian Mill	na	2008	240	12	Functioning	Clear	Tasteless	26.8	5.7	0.165	15
HP-1100	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	1	Milani	750	Shallow well	51.0348	32.09313	1103	2008	na	na	Akdev	na	2008	125	24	Unfunctioning	na	na	na	na	na	na
HP-1101	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Barabani	7600	Deep well	50.8863	32.15857	1101	na	na	na	Akdev	na	na	1900	24	Functioning	Clear	Salty	26.4	5.9	0.19	23.3
HP-1102	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Barabani	7600	Deep well	50.8245	32.15198	1106	na	na	na	Akdev	na	na	1800	24	Functioning	Clear	Slightly Salty	25.8	6.1	0.162	26
HP-1103	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Barabani	7600	Deep well	50.8303	32.15191	1106	na	na	na	Akdev	na	na	1900	24	Functioning	Clear	Salty	26.5	5.4	0.095	15
HP-1104	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Barabani	7600	Shallow well	50.9078	32.15358	1105	na	na	na	no pump	na	na	1900	na	Pump Removed	na	na	na	na	na	na
HP-1105	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Barabani	7600	Deep well	50.9777	32.14477	1101	na	na	na	no pump	na	na	1800	na	Pump Removed	na	na	na	na	na	na
HP-1106	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Barabani	7600	Shallow well	50.9064	32.15805	1100	na	3.4	na	no pump	na	na	1900	na	Pump Removed	Mky	Tasteless	26.3	5.8	0.038	6.4
HP-1107	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Barabani	7600	Shallow well	50.8943	32.16057	1097	1974	na	na	no pump	na	1974	1900	na	Pump Removed	na	na	na	na	na	na
HP-1108	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Barabani	7600	Shallow well	50.9083	32.15538	1104	1974	na	na	Akdev	na	1974	1800	na	Unfunctioning	na	na	na	na	na	na
HP-1109	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Barabani	7600	Shallow well	50.9337	32.17999	1108	1974	na	na	no pump	na	1974	1900	na	Pump Removed	na	na	na	na	na	na
HP-1110	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Genal	650	Shallow well	50.8888	32.14935	1132	2002	na	na	Akdev	na	2002	1900	24	Functioning	Clear	Tasteless	26.7	6.2	0.23	49
HP-1111	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Genal	650	Deep well	50.8477	32.14118	1127	2002	na	na	Akdev	na	2002	na	24	Functioning	Clear	Slightly Salty	26.8	6.2	0.11	15
HP-1112	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Iyale	na	Deep well	50.8195	32.13501	1122	2001	na	na	Akdev	na	2001	na	24	Functioning	Clear	Salty	26.8	6.8	0.095	62
HP-1113	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Iyale	na	Deep well	50.8664	32.15891	1121	2001	na	na	Akdev	na	2001	na	24	Unfunctioning	na	na	na	na	na	na
HP-1114	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	14	Mbwige	650	Deep well	50.9603	32.17295	1105	2001	na	na	Akdev	na	2001	na	24	Functioning	Clear	Slightly Salty	27.1	6.8	0.168	22
HP-1115	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	4	Ilan	na	Deep well	50.9344	32.17363	1140	2003	na	200	Tanna	na	2002	na	24	Functioning	Clear	Tasteless	26.7	6.4	0.098	24
HP-1116	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	4	Ilan	na	Deep well	50.9542	32.16127	1143	2003	na	na	Tanna	na	2002	na	24	Functioning	Clear	Tasteless	26.9	6.2	0.116	32
HP-1117	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	4	Kide	na	Deep well	50.9741	32.16887	1136	2002	na	200	Akdev	na	2002	na	24	Functioning	Clear	Tasteless	26.7	5.9	0.162	16
HP-1118	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	4	Kide	na	Deep well	50.9283	32.18888	1134	2002	na	200	Akdev	na	2002	na	24	Functioning	Clear	Salty	26.4	6.8	0.1103	62
HP-1119	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	3	Mkooni	762	Shallow well	50.8674	32.17021	1103	1974	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na
HP-1120	Urumbi	Imalamakoye	Imalamakoye D	Imalamakoye D	3	Mkooni	762	Shallow well	50.8373	32.17488	1124	1974	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na

既存給水施設リスト (ハンドポンプ)

Hand Pump ID	District Municipality	Village / Street	Number of Households in Village	General Information			GPS Coordinates (Map Datum Arc 1980)			Well Information			Handpump Information					Water Quality on the field								
				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Static Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (µS/cm)			
HP-1161	Urambo	Kashah	Buand	6	Malinga	na	Shallow well	44.1607	32.31426	1172	2003	na	6.5	Tanra	na	2003	na	na	Functioning	Clear	Tasteless	25.4	6.2	0.18	32	
HP-1162	Urambo	Kashah	Buand	6	Torona	na	Shallow well	43.4647	32.368	1162	2003	na	3.5	ST	na	2003	na	na	Stolen	na	na	na	na	na	na	na
HP-1163	Urambo	Kashah	Buand	6	Torona	na	Shallow well	43.4308	32.34834	1163	2003	na	3.5	ST	na	2003	na	na	Stolen	na	na	na	na	na	na	na
HP-1164	Urambo	Kashah	ilege	8	Itangwa	na	Shallow well	44.4068	32.27105	1177	2006	na	na	Tanra	na	2006	na	24	Functioning	Clear	Tasteless	25.5	6.2	0.05	20	
HP-1165	Urambo	Kashah	ilege	8	Mpagasha	na	Deep well	44.4867	32.35119	1171	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Tasteless	27.5	6.3	0.27	93	
HP-1166	Urambo	Kashah	ilege	8	Mpagasha	na	Shallow well	44.3442	32.35276	1178	2006	na	na	Tanra	na	2006	na	24	Functioning	Clear	Tasteless	27.1	6.1	0.2	104	
HP-1167	Urambo	Kashah	ilege	8	Shindini	na	Deep well	44.4465	32.28248	1191	2007	na	na	Akidev	na	2007	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1168	Urambo	Kashah	ilege	8	Shindini	na	Shallow well	44.1591	32.28027	1184	2006	na	na	Tanra	na	2006	na	24	Functioning	Clear	Tasteless	25.2	6.4	0.057	175	
HP-1169	Urambo	Kashah	ilege	8	Simulule	na	Shallow well	44.5833	32.30957	1172	2006	na	na	Tanra	na	2006	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1170	Urambo	Kashah	ilege	8	Simulule	na	Shallow well	44.5267	32.27504	1210	2006	na	na	Tanra	na	2006	na	24	Functioning	Clear	Tasteless	26.1	5.8	0.08	24	
HP-1171	Urambo	Kashah	ilege	8	Simulule	na	Shallow well	44.4482	32.30347	1189	2006	na	na	Akidev	na	2006	na	24	Functioning	Milky	Salty	26.8	6.2	0.45	23.8	
HP-1172	Urambo	Kashah	iyombo	4	Buand	286	Deep well	4.3574	32.43221	1146	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Salty	28	5.8	0.027	70	
HP-1173	Urambo	Kashah	iyombo	4	Iyombo	190	Shallow well	44.3762	32.42427	1178	2006	na	na	Tanra	na	2006	na	24	Functioning	Clear	Tasteless	26	6.3	0.36	16.7	
HP-1174	Urambo	Kashah	iyombo	4	Iyumbula	307	Deep well	43.7506	32.45286	1146	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Salty	25.3	6.3	0.33	80	
HP-1175	Urambo	Kashah	iyombo	4	Wendula	304	Shallow well	44.1115	32.45169	1195	2006	na	na	Tanra	na	2006	na	24	Functioning	Milky	Salty	25.9	6.5	0.26	75	
HP-1176	Urambo	Kashah	Kagera	2	Kagera A	564	Deep well	43.9897	32.41188	1145	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Tasteless	26.1	5.8	0.21	31.8	
HP-1177	Urambo	Kashah	Kagera	2	Kawe	216	Deep well	44.0633	32.42286	1177	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Tasteless	26.2	6.4	0.18	12.4	
HP-1178	Urambo	Kashah	Kashah	6	Kinmagala	na	Shallow well	44.1808	32.36462	1172	2004	na	4	Tanra	na	2004	na	24	Functioning	Milky	Little Salty	27.1	6.4	0.1	62	
HP-1179	Urambo	Kashah	Kashah	6	Kinmagala	na	Shallow well	44.1572	32.39798	1176	2004	na	6.5	Tanra	na	2004	na	24	Functioning	Milky	Little Salty	27	6.2	0.197	36.4	
HP-1180	Urambo	Kashah	Kashah	6	Lingulwa	na	Deep well	43.6138	32.34695	1196	2004	na	33	Akidev	na	2004	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1181	Urambo	Kashah	Kashah	6	Lingulwa	na	Shallow well	43.9682	32.30338	1192	2003	na	4	ST	na	2003	na	24	Stolen	na	na	na	na	na	na	na
HP-1182	Urambo	Kashah	Kashah	6	Lungura	na	Shallow well	44.1147	32.36614	1164	2003	na	3.5	Tanra	na	2003	na	24	Functioning	Clear	Tasteless	26.8	5.8	0.12	19.7	
HP-1183	Urambo	Kashah	Kashah	6	Ujundi	na	Shallow well	43.816	32.40176	1161	2003	na	3.5	Tanra	na	2003	na	24	Functioning	Milky	Little Salty	26.9	6.2	0.162	26	
HP-1184	Urambo	Kashah	Kashah	8	Kinywango	1400	Shallow well	4.3822	32.24084	1178	2006	na	3.5	Tanra	na	2006	na	12	Functioning	Turbid	Tasteless	24.8	5.7	0.12	98	
HP-1185	Urambo	Kashah	Kinywango	8	Majanga A	920	Shallow well	44.6628	32.2685	1166	2006	na	3.5	Tanra	na	2006	na	12	Functioning	Clear	Tasteless	26.1	5.7	0.082	21	
HP-1186	Urambo	Kashah	Kinywango	8	Majanga B	870	Shallow well	44.0365	32.28904	1164	2006	na	3.5	Tanra	na	2006	630	12	Functioning	Clear	Tasteless	25.4	6.1	0.083	8.02	
HP-1187	Urambo	Kashah	Kinywango	8	Muli	615	Shallow well	43.9828	32.23432	1186	2006	na	3.5	Tanra	na	2006	na	12	Functioning	mud	Little Salty	26.3	6.2	0.192	15	
HP-1188	Urambo	Kashah	Kinywango	8	Malinga	788	Shallow well	44.5884	32.21837	1181	2006	na	3.5	Tanra	na	2006	na	12	Functioning	Clear	Tasteless	24.8	5.8	0.11	62	
HP-1189	Urambo	Kashah	Kinywango	8	Manonga	532	Shallow well	44.0446	32.2125	1150	2006	na	3.5	Tanra	na	2006	na	12	Functioning	Clear	Tasteless	25.1	6.4	0.188	72	
HP-1190	Urambo	Kashah	Kinywango	8	Shingwa	732	Shallow well	44.5705	32.23315	1154	2006	na	3.5	Tanra	na	2006	na	12	Functioning	Turbid	Little Salty	24.7	5.5	0.066	9.26	
HP-1191	Urambo	Kashah	Kinywango	8	Shingwa	732	Shallow well	44.4467	32.2858	1117	2006	na	3.5	Tanra	na	2006	na	12	Functioning	Turbid	Tasteless	25.3	6.2	0.052	31	
HP-1192	Urambo	Kashah	Mgiri	2	Buabuli	665	Shallow well	43.7916	32.28264	1168	2006	na	3.5	Tanra	na	2006	na	12	Functioning	Clear	Tasteless	26.4	6.7	0.077	51	
HP-1193	Urambo	Kashah	Mgiri	2	Kimawe	627	Shallow well	44.5843	32.24637	1142	2006	na	3.5	Tanra	na	2006	na	12	Functioning	Clear	Tasteless	25.1	6.1	0.194	12	
HP-1194	Urambo	Kashah	Mwondaluma	11	Kalala	600	Shallow well	43.6851	32.28646	1183	2006	na	na	Tanra	na	2006	na	24	Functioning	Milky	Salty	26.5	5.9	0.35	21.5	
HP-1195	Urambo	Kashah	Mwondaluma	11	Kidale	150	Deep well	43.4078	32.30816	1197	2007	na	na	Tanra	na	2007	na	24	Functioning	Clear	Tasteless	26.2	6.04	0.31	27.5	
HP-1196	Urambo	Kashah	Mwondaluma	11	Kidale	150	Deep well	43.4771	32.3322	1195	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Tasteless	27.1	6.24	0.32	38.9	
HP-1197	Urambo	Kashah	Mwondaluma	11	Kidale	224	Deep well	4.3669	32.32687	1192	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Tasteless	26.8	6.72	0.195	41.7	
HP-1198	Urambo	Kashah	Mwondaluma	11	Kidale	224	Shallow well	43.9276	32.29841	1170	2006	na	na	Tanra	na	2006	na	24	Functioning	Clear	Tasteless	26.4	6.62	0.147	52.7	
HP-1199	Urambo	Kashah	Mwondaluma	11	Mhanga	424	Deep well	43.0818	32.31342	1179	2007	na	na	Akidev	na	2007	na	24	Functioning	Slightly Milky	Tasteless	26.9	6.19	0.23	5.96	
HP-1200	Urambo	Kashah	Mwondaluma	11	Mhanga	424	Shallow well	42.9122	32.31263	1154	2006	na	na	Tanra	na	2006	na	24	Functioning	Milky	Tasteless	25.4	5.63	0.195	12.7	

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Hand Pump ID	District Municipality	Village	Village / Street	Number of Handpumps in Village	General Information				GPS Coordinates (Map Datum Arc. 1980)				Well Information				Handpump Information						Water Quality on the field				
					Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Drilling Year	State Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (µS/cm)					
HP-1201	Urumbi	Kashah	Mwendaikulima	11	Mhangu	424	Shallow well	42.9822, 32.2975	1135	2006	na	na	Tanre	na	2006	na	24	Functioning	Milky	Tasteless	27.9	6.3	0.095	14.42			
HP-1202	Urumbi	Kashah	Mwendaikulima	11	Mhangu	424	Shallow well	43.0286, 32.3162	1208	2006	na	na	Tanre	na	2006	na	24	Functioning	Milky	Tasteless	26.5	5.96	0.105	17.3			
HP-1203	Urumbi	Kashah	Mwendaikulima	11	Mwendaikulima	400	Deep well	42.8008, 32.3222	1125	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Salty	24.8	4.46	0.104	21.9			
HP-1204	Urumbi	Kashah	Mwendaikulima	11	Mwendaikulima	400	Deep well	43.3465, 32.2946	1177	2006	na	na	Akidev	na	2006	na	24	Functioning	Clear	Salty	25.4	6.15	0.29	26.9			
HP-1205	Urumbi	Kashah	Nyasa	2	humbi	na	Deep well	43.0489, 32.2974	1148	2008	na	na	Tanre	na	2008	na	24	Functioning	Clear	Salty	25.5	6.03	0.31	38.8			
HP-1206	Urumbi	Kashah	Nyasa	2	Meke	866	Deep well	42.7566, 32.2904	1118	2008	na	na	Tanre	na	2008	na	24	Functioning	Clear	Tasteless	24.2	5.71	0.26	96.5			
HP-1207	Urumbi	Kashah	Sasu	6	Bulinda	na	Shallow well	45.0457, 32.3488	1161	2006	na	na	Tanre	na	2006	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-1208	Urumbi	Kashah	Sasu	6	Bulinda	na	Shallow well	44.6308, 32.3208	1149	2006	na	na	Tanre	na	2006	na	24	Functioning	Clear	Salty	26.5	5.2	0.3	19.8			
HP-1209	Urumbi	Kashah	Sasu	6	Bilingo	na	Deep well	44.9177, 32.3434	1156	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Tasteless	25.8	6.3	0.17	15			
HP-1210	Urumbi	Kashah	Sasu	6	Bilingo	na	Shallow well	44.8438, 32.3429	1156	2008	na	na	Tanre	na	2008	na	24	Functioning	Clear	Tasteless	26.6	6.1	0.28	23.4			
HP-1211	Urumbi	Kashah	Sasu	6	Kiengo	na	Shallow well	44.5302, 32.2536	1141	2008	na	na	Tanre	na	2008	na	24	Functioning	Clear	Tasteless	24.9	5.7	0.073	11.3			
HP-1212	Urumbi	Kashah	Sasu	6	Sasu A	na	Deep well	44.6137, 32.3174	1179	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Salty	26.2	6.5	0.12	45			
HP-1213	Urumbi	Kashah	Sasu	6	Sasu A	na	Deep well	44.6439, 32.3328	1135	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Little Salty	25.8	5.7	0.23	62.6			
HP-1214	Urumbi	Kashah	Sasu	6	Sasu B	na	Deep well	44.8317, 32.2911	1163	2007	na	na	Akidev	na	2007	na	24	Functioning	Clear	Salty	27.1	5.9	0.37	22.5			
HP-1215	Urumbi	Kashah	Sellei	6	Buchama	180	Shallow well	45.9723, 32.3703	1170	2006	na	na	Tanre	na	2006	na	24	Functioning	Clear	Tasteless	26.8	6.01	0.156	42.6			
HP-1216	Urumbi	Kashah	Sellei	6	Buchama	180	Shallow well	43.9193, 32.3108	1172	2006	na	na	Tanre	na	2006	na	na	Abandoned	na	na	na	na	na	na	na		
HP-1217	Urumbi	Kashah	Sellei	6	Kasongo	338	Shallow well	42.8603, 32.3342	1140	2006	na	na	Tanre	na	2006	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-1218	Urumbi	Kashah	Sellei	6	Kasongo	338	Shallow well	43.1635, 32.2946	1200	2006	na	na	Tanre	na	2006	na	24	Functioning	Milky	Tasteless	27	6.08	0.08	5.74			
HP-1219	Urumbi	Kashah	Sellei	6	Lugama	367	Shallow well	43.2628, 32.3842	1152	2006	na	na	Tanre	na	2006	na	24	Functioning	Slightly Milky	Tasteless	25.1	5.37	0.192	13.6			
HP-1220	Urumbi	Kashah	Sellei	6	Lugama	367	Shallow well	43.0771, 32.3542	1135	2006	na	na	Tanre	na	2006	na	24	Functioning	Yellowish	Salty	26.9	6.71	0.2	34.2			
HP-1221	Urumbi	Kashah	Sellei	6	Sellei	465	Deep well	43.1226, 32.3278	1173	2007	na	na	Akidev	na	2007	na	24	Functioning	Milky	Tasteless	25	6.83	0.26	21.2			
HP-1222	Urumbi	Kashah	Sellei	6	Sellei	465	Deep well	43.3702, 32.3367	1191	2007	na	na	Akidev	na	2007	na	24	Functioning	Slightly Milky	Tasteless	24.3	6.18	0.16	44.8			
HP-1223	Urumbi	Kazaro	Igweli	2	Imalampaka	na	Shallow well	49.2469, 31.8947	1121	2009	na	na	Akidev	na	2009	na	24	Unfunctioning	Clear	Tasteless	26	5.9	0.027	70			
HP-1224	Urumbi	Kazaro	Igweli	2	Twende jamoja	na	Shallow well	49.1697, 31.9277	1124	2009	na	na	Akidev	na	2009	na	24	Unfunctioning	Clear	Tasteless	26	5.9	0.027	70			
HP-1225	Urumbi	Kazaro	Imalimhayo	6	Imalimhayo A	1057	Shallow well	5.00883, 31.8646	1108	2009	na	na	Akidev	na	2009	na	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1226	Urumbi	Kazaro	Imalimhayo	6	Imalimhayo A	1057	Shallow well	5.0111, 31.8596	1102	na	6.4	na	no pump	na	na	na	na	Pump Removed	Clear	Tasteless	26.2	5.6	0.032	15			
HP-1227	Urumbi	Kazaro	Imalimhayo	6	Imalimhayo A	1057	Shallow well	5.0138, 31.8638	1104	na	6	na	no pump	na	na	na	na	Pump Removed	Clear	Tasteless	25.8	6.2	0.052	21			
HP-1228	Urumbi	Kazaro	Imalimhayo	6	Imalimhayo B	925	Shallow well	5.00843, 31.8516	1098	2009	na	na	Akidev	na	2009	na	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1229	Urumbi	Kazaro	Imalimhayo	6	Imalimhayo B	925	Shallow well	5.01318, 31.8585	1105	2009	na	na	Tanre	na	2009	na	24	Functioning	Clear	Tasteless	27.2	4.9	0.022	19			
HP-1230	Urumbi	Kazaro	Imalimhayo	6	Imalimhayo B	925	Shallow well	5.01188, 31.8588	1102	2005	na	na	Tanre	na	2005	na	24	Functioning	Clear	Tasteless	27.6	4.6	0.047	8.7			
HP-1231	Urumbi	Kazaro	Imalimhayo	6	Imalimhayo B	825	Shallow well	5.0148, 31.8538	1102	na	5.8	na	no pump	na	na	na	na	Pump Removed	Clear	Tasteless	26.1	5.6	0.081	16			
HP-1232	Urumbi	Kazaro	Imalimhayo	6	Imalimhayo B	825	Shallow well	5.01342, 31.8532	1103	na	7	na	no pump	na	na	na	na	Pump Removed	Clear	Tasteless	25.4	5.6	0.07	15.3			
HP-1233	Urumbi	Kazaro	Kazaro	2	Kazaro	498672	Deep well	49.8672, 31.84624	1108	2005	na	na	Akidev	na	2005	na	25	Unfunctioning	na	na	na	na	na	na	na		
HP-1234	Urumbi	Kazaro	Kazaro	2	Kazaro	498672	Deep well	49.8672, 31.85712	1119	2005	na	na	Akidev	na	2005	na	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1235	Urumbi	Kazaro	Uimba	4	Uimba B	na	Deep well	5.01054, 31.92054	1134	na	na	Tanre	na	200	na	24	Functioning	Clear	Little Salty	26.7	6.1	0.092	112.9				
HP-1236	Urumbi	Kazaro	Uimba	4	Uimba B	na	Shallow well	5.01104, 31.92291	1134	2009	na	na	Akidev	na	2009	na	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1237	Urumbi	Kazaro	Uimba	4	Uimba C	na	Deep well	5.00666, 31.92817	1131	2005	na	na	Tanre	na	2005	na	24	Functioning	Clear	Tasteless	28	6.2	0.14	45			
HP-1238	Urumbi	Kazaro	Uimba	4	Uimba D	na	Deep well	5.00761, 31.93182	1134	na	na	Tanre	na	200	na	24	Functioning	Clear	Little Salty	27	6.3	0.18	31.8				
HP-1239	Urumbi	Kibini	Kalimbela	1	Nyere	na	Shallow well	5.01286, 32.29042	1145	2009	na	na	Tanre	na	2009	na	24	Functioning	Milky	Tasteless	27.2	6.2	0.156	9			
HP-1240	Urumbi	Kibini	Kibini	7	Kibini	na	Deep well	5.02171, 32.31489	1152	2009	na	na	Indian Mt.	na	2009	na	200	Unfunctioning	na	na	na	na	na	na	na		

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Hand Pump ID	District Municipality	Village	Village / Street	General Information			GPS Coordinates (Map Datum: Arc. 1980)			Well Information			Handpump Information					Water Quality on the field								
				Number of Handpumps in Village	Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	State Water Level (m)	Drilling Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)	
HP-1241	Urambo	Kibohi	Kibohi A	7	Kibohi A	na	Shallow well	32.02157	32.31429	1153	2006	na	Akdev	na	2006	200	24	Unfunctioning	na	na	na	na	na	na	na	
HP-1242	Urambo	Kibohi	Kibohi A	7	Kibohi A	na	Shallow well	30.10625	32.31057	1137	1982	3.9	na	na	200	200	24	Pump Removed	Clear	Little Salty	26.4	6.3	0.23	19.41		
HP-1243	Urambo	Kibohi	Kibohi A	7	Kibohi A	na	Shallow well	30.16163	32.32486	1128	1982	na	na	na	200	200	na	Pump Removed	na	na	na	na	na	na	na	
HP-1244	Urambo	Kibohi	Kibohi B	7	Kibohi B	na	Shallow well	30.02323	32.32296	1131	1982	na	na	na	200	200	na	Pump Removed	Clear	na	26.5	6.5	0.12	32		
HP-1245	Urambo	Kibohi	Kibohi B	7	Kibohi B	na	Shallow well	30.02171	32.32403	1129	1982	na	na	na	200	200	na	Pump Removed	na	na	na	na	na	na	na	
HP-1246	Urambo	Kibohi	Kibohi B	7	Kibohi B	na	Shallow well	30.04662	32.33876	1132	1982	na	na	na	200	200	na	Pump Removed	mud	Tasteless	26.8	6.1	0.064	17.2		
HP-1247	Urambo	Kibohi	Kibohi B	7	Kibohi B	na	Shallow well	30.04126	32.32703	1137	2006	6	na	Akdev	na	2006	na	24	Unfunctioning	Clear	Tasteless	25.8	6.1	0.08	6.15	
HP-1248	Urambo	Mwungano	Kalemela A	13	Kal	na	Deep well	4.99689	32.02031	1142	na	na	na	Akdev	na	na	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-1249	Urambo	Mwungano	Kalemela A	13	Kal	na	Deep well	5.0033	32.02624	1135	na	na	na	Akdev	na	na	na	24	Functioning	Mky	Tasteless	25.6	5.6	0.162	26	
HP-1250	Urambo	Mwungano	Kalemela A	13	Kurini	na	Deep well	5.02838	32.03802	1113	na	na	na	Akdev	na	na	na	24	Functioning	Clear	Tasteless	26.3	5.9	0.25	26.5	
HP-1251	Urambo	Mwungano	Kalemela A	13	Mgharibi A	na	Shallow well	4.99158	32.04001	1149	na	na	na	Akdev	na	na	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-1252	Urambo	Mwungano	Kalemela A	13	Mgharibi B	na	Deep well	4.93864	32.04418	1144	na	na	na	Indian Mcil	na	na	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-1253	Urambo	Mwungano	Kalemela A	13	Mgharibi B	na	Deep well	4.96773	32.02665	1121	na	na	na	Akdev	na	na	na	24	Functioning	Mky	Tasteless	26.6	5.9	0.1	14.7	
HP-1254	Urambo	Mwungano	Kalemela A	13	Mgharibi B	na	Deep well	5.00216	32.03376	1129	na	na	na	Akdev	na	na	na	24	Functioning	Clear	Tasteless	26.9	6.2	0.115	70.2	
HP-1255	Urambo	Mwungano	Kalemela A	13	Mgharibi B	na	Deep well	5.01837	32.02666	1124	na	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-1256	Urambo	Mwungano	Kalemela A	13	Mgharibi B	na	Deep well	5.00744	32.02744	1144	na	na	na	no pump	na	na	na	na	Pump Removed	Mky	Tasteless	26.8	6.2	0.147	16.7	
HP-1257	Urambo	Mwungano	Kalemela A	13	Mgharibi A	na	Shallow well	4.95824	32.02346	1119	na	na	na	Akdev	na	na	na	24	Unfunctioning	Mky	Tasteless	27	5.8	0.037	11.8	
HP-1258	Urambo	Mwungano	Kalemela A	13	Mgharibi A	na	Deep well	5.01463	32.04673	1126	na	na	na	Akdev	na	na	na	24	Functioning	Clear	Iron	28	6.2	0.104	86.5	
HP-1259	Urambo	Mwungano	Kalemela A	13	Mgharibi A	na	Shallow well	5.00663	32.04669	1138	na	na	na	no pump	na	na	na	na	Pump Removed	na	na	na	na	na	na	na
HP-1260	Urambo	Mwungano	Kalemela A	13	Mgharibi A	na	Shallow well	5.01834	32.02676	1129	na	na	na	Akdev	na	na	na	24	Functioning	Clear	Tasteless	28	6.3	0.15	28	
HP-1261	Urambo	Mwungano	Kalemela B	3	Mwungaza A	na	Deep well	5.01193	32.02478	1132	na	na	na	Akdev	na	na	na	24	Functioning	Clear	Salty	27	5.8	0.095	8.1	
HP-1262	Urambo	Mwungano	Kalemela B	3	Mwungaza A	na	Deep well	5.02276	32.02663	1136	na	na	na	Tanra	na	na	na	24	Functioning	Clear	Tasteless	27.3	5.7	0.072	8.8	
HP-1263	Urambo	Mwungano	Kalemela B	3	Mwungaza A	na	Shallow well	5.01967	31.99367	1138	na	na	na	Tanra	na	na	na	24	Functioning	Clear	Tasteless	26.5	6.3	0.23	21	
HP-1264	Urambo	Mwungano	Mungano	10	Makupa A	745	Shallow well	5.00043	32.19303	1151	2001	na	na	Tanra	na	2001	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1265	Urambo	Mwungano	Mungano	10	Makupa A	745	Deep well	5.00433	32.18226	1128	2001	na	na	Akdev	na	2001	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1266	Urambo	Mwungano	Mungano	10	Makupa B	230	Deep well	5.02766	32.15066	1148	2001	na	na	Akdev	na	2001	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1267	Urambo	Mwungano	Mungano	10	Makupa B	230	Deep well	5.03238	32.15257	1150	2001	na	na	Indian Mcil	na	2001	na	24	Functioning	Clear	Salty	27	6.34	0.187	97.3	
HP-1268	Urambo	Mwungano	Mungano	10	Mkulala	660	Deep well	5.01254	32.1438	1152	2001	na	na	Indian Mcil	na	2001	na	na	Functioning	Clear	Tasteless	26.7	6.88	0.165	22.1	
HP-1269	Urambo	Mwungano	Mungano	10	Mkulala	660	Deep well	5.01121	32.15076	1148	2001	na	na	Akdev	na	2001	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1270	Urambo	Mwungano	Mungano	10	Ukuman	300	Shallow well	4.99158	32.19369	1135	2001	na	na	Tanra	na	2001	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1271	Urambo	Mwungano	Mungano	10	Ushwili	300	Deep well	5.02753	32.13388	1145	2001	na	na	Akdev	na	2001	na	24	Functioning	Clear	Salty	26.9	6.2	0.24	107	
HP-1272	Urambo	Mwungano	Mungano	10	Ushwili	300	Deep well	5.02673	32.14133	1147	2001	na	na	Indian Mcil	na	2001	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-1273	Urambo	Mwungano	Mungano	10	Ushwili	300	Deep well	5.02103	32.13241	1150	2001	na	na	Akdev	na	2001	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-1274	Urambo	Mwungano	ibambo	1	Uyamwachi	na	Shallow well	4.68662	32.42141	1115	2008	na	8	Tanra	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1275	Urambo	Mwungano	Kangabo	1	Chemchemi	na	Deep well	4.78966	32.33037	1178	1986	na	68	SWN-80	na	1998	na	12	Functioning	Clear	Fresh	26.8	6.8	0.4	4.6	
HP-1276	Urambo	Mwungano	Mwungozo	4	Kiseni	na	Deep well	4.78844	32.38816	1126	2008	na	60	Akdev	na	2008	na	8	Functioning	Clear	Salty	26.5	7.2	0.8	2.3	
HP-1277	Urambo	Mwungano	Mwungozo	4	Mlambo	na	Shallow well	4.68662	32.38151	1136	2008	na	6	Tanra	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1278	Urambo	Mwungano	Mwungozo	4	Mlambo	na	Deep well	4.80469	32.39775	1128	2008	na	35	Akdev	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1279	Urambo	Mwungano	Mwungozo	4	Mlambo	na	Shallow well	4.80469	32.39802	1128	2004	na	8	Tanra	na	2004	na	12	Functioning	Clear	Fresh	27	6.3	ND	4.1	
HP-1280	Urambo	Sogambale	Iginansibabo	2	Uygo K	na	Deep well	4.84008	32.02701	1117	2005/2006	na	na	Akdev	na	2005/2006	na	24	Unfunctioning	Clear	Little Salty	26.7	5.9	0.29	52.8	

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Hand Pump ID	District Municipality	Village / Street	Number of Handpumps in Village	General Information				GPS Coordinates (Map Datum Arc. 1980)				Well Information				Handpump Information				Water Quality on the field			
				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Drilling Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (µS/cm)
HP-1281	Urumb	Songambale Igongesabo	2	Uyogo K	na	Deep well	48.6074	32.02514	103	20/92/2006	na	na	na	24	Functioning	Clear	Little Salty	25.1	6.1	0.41	32		
HP-1282	Urumb	Songambale Igungu	6	Inalunguzi	na	Deep well	47.9854	32.08779	110	2006	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1283	Urumb	Songambale Igungu	6	Mwandize	na	Shallow well	47.9884	32.07731	112	2006	na	na	na	na	Functioning	Clear	Salty	27.5	6.1	0.13	15		
HP-1284	Urumb	Songambale Igungu	6	Mjengo	na	Deep well	48.2882	32.07268	1110	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1285	Urumb	Songambale Igungu	6	Mjengo	na	Deep well	48.3524	32.07457	1107	na	na	na	na	na	Functioning	Clear	Tasteless	26.1	5.9	0.11	130		
HP-1286	Urumb	Songambale Igungu	6	Mwandize	na	Deep well	48.0204	32.13324	1124	na	na	na	na	na	Functioning	Clear	Tasteless	26.8	6.5	0.095	102		
HP-1287	Urumb	Songambale Igungu	6	Mwandize	na	Deep well	48.0181	32.1041	1128	2005	na	na	na	na	Functioning	Clear	Tasteless	27.2	6.1	0.12	89		
HP-1288	Urumb	Songambale Faim 24	4	Faim 24	na	Deep well	49.1216	32.13364	1105	2005	na	na	na	na	Functioning	Clear	Tasteless	25.9	6.09	0.141	56.1		
HP-1289	Urumb	Songambale Jenoe mwinywele	4	Mzeongo	na	Deep well	49.5323	32.16288	1096	2005	na	na	na	na	Functioning	Clear	Tasteless	26.2	5.76	0.12	50.1		
HP-1290	Urumb	Songambale Jenoe mwinywele	4	Mzeongo	na	Deep well	49.5354	32.17302	1108	2005	na	na	na	na	Functioning	Clear	Tasteless	26.1	6.49	0.106	61.2		
HP-1291	Urumb	Songambale Jenoe mwinywele	4	Utuluvu	na	Deep well	49.6933	32.14715	1112	2005	na	na	na	na	Functioning	Clear	Tasteless	25.6	5.41	0.141	66.2		
HP-1292	Urumb	Songambale Miambo	1	Wiba	na	Deep well	47.75183	32.09326	1110	na	na	na	na	na	Functioning	Clear	Salty	26.8	6.3	0.116	145		
HP-1293	Urumb	Songambale Mangane	6	Mangane	na	Deep well	49.1193	32.20734	1114	2005	na	na	na	na	Functioning	Milky	Tasteless	26.5	6.63	0.097	61.1		
HP-1294	Urumb	Songambale Mangane	6	Mangane	na	Shallow well	48.8688	32.21176	1102	2005	na	na	na	na	Functioning	Milky	Tasteless	25.8	5.76	0.132	82.5		
HP-1295	Urumb	Songambale Mangane	6	Nyereere	na	Shallow well	48.1665	32.19447	1119	2005	na	na	na	na	Functioning	Milky	Tasteless	26.2	5.4	0.065	54		
HP-1296	Urumb	Songambale Mangane	6	Nyereere	na	Deep well	49.5815	32.16004	1113	2005	na	na	na	na	Functioning	Clear	Tasteless	26.2	5.76	0.153	51.9		
HP-1297	Urumb	Songambale Mangane	6	Nyereere	na	Shallow well	49.4124	32.15529	1110	2005	na	na	na	na	Functioning	Clear	Tasteless	26.7	6.18	0.182	52.9		
HP-1298	Urumb	Songambale Mangane	6	Uwanga	na	Shallow well	48.6366	32.1865	1102	2005	na	na	na	na	Functioning	Milky	Tasteless	25.5	5.53	0.073	74.4		
HP-1299	Urumb	Songambale Songambale	6	Faim 21	na	Shallow well	49.081	32.16268	1114	20/92/2007	na	na	na	na	Functioning	Clear	Salty	27.4	6.1	0.0625	147		
HP-1300	Urumb	Songambale Songambale	6	Kali	na	Shallow well	49.2182	32.10193	1119	20/92/2007	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1301	Urumb	Songambale Songambale	8	Kuini	na	Deep well	49.4267	32.16429	1142	20/92/2007	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1302	Urumb	Songambale Songambale	8	Mugharibi	na	Shallow well	49.6374	32.09288	1128	20/92/2007	na	na	na	na	Functioning	Clear	Little Salty	26.8	6.6	0.2	76.5		
HP-1303	Urumb	Songambale Songambale	8	Mugharibi	na	Deep well	49.4147	32.09116	1137	20/92/2007	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1304	Urumb	Songambale Songambale	8	Mashariki	na	Deep well	49.3148	32.10853	1132	20/92/2007	na	na	na	na	Functioning	Clear	Tasteless	27.8	5.6	0.076	112		
HP-1305	Urumb	Songambale Songambale	8	Makujia	na	Deep well	49.6377	32.07619	1117	20/92/2007	na	na	na	na	Functioning	Milky	Tasteless	27.1	5.7	0.15	72.2		
HP-1306	Urumb	Songambale Songambale	8	Makujia	na	Shallow well	49.1466	32.09839	1117	20/92/2007	na	na	na	na	Functioning	Clear	Salty	27.8	6.4	0.21	37.5		
HP-1307	Urumb	Songambale Uyogo	8	Kasala	na	Deep well	49.5678	31.96707	1111	20/92/2006	na	na	na	na	Functioning	Clear	Little Salty	25.4	5.4	0.33	38.2		
HP-1308	Urumb	Songambale Uyogo	8	Uyogo D	na	Deep well	49.7293	31.97796	1102	20/92/2006	na	na	na	na	Functioning	Clear	Tasteless	24.9	6.2	0.32	178		
HP-1309	Urumb	Songambale Uyogo	6	Uyogo D	na	Deep well	49.8302	31.97883	1100	20/92/2006	na	na	na	na	Functioning	Milky	Tasteless	25.6	6.5	0.28	42.4		
HP-1310	Urumb	Songambale Uyogo	6	Uyogo mugharibi	na	Deep well	49.1463	32.07199	1093	20/92/2006	na	na	na	na	Functioning	Clear	Tasteless	24.9	5.6	0.17	99		
HP-1311	Urumb	Songambale Uyogo	8	Uyogo mugharibi	na	Deep well	49.1603	32.07105	1091	20/92/2006	na	na	na	na	Functioning	Milky	Tasteless	24.1	5.6	0.048	54		
HP-1312	Urumb	Songambale Uyogo	6	Uyogo mashariki	na	Deep well	49.6331	32.03029	1108	20/92/2006	na	na	na	na	Functioning	Milky	Salty	26.1	5.9	0.35	188		
HP-1313	Urumb	Songambale Uyogo	6	Uyogo mashariki	na	Deep well	49.1916	32.02887	1106	20/92/2006	na	na	na	na	Functioning	Clear	Salty	25.9	6.3	0.57	27.2		
HP-1314	Urumb	Songambale Uyogo	6	Uyogo mashariki	na	Shallow well	49.1144	32.03368	1116	20/92/2006	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1315	Urumb	Ugungu Limbula	2	Limbula A	360	Deep well	51.218	31.74075	1068	2005	na	na	na	na	Functioning	Clear	Salty	27.1	5.9	0.4	52.4		
HP-1316	Urumb	Ugungu Limbula	2	Limbula B	287	Deep well	51.1982	31.71061	1072	2005	na	na	na	na	Functioning	Clear	Salty	27.6	5.9	0.21	67		
HP-1317	Urumb	Ugungu Tuombu Mungu	4	Kusidachi	620	Shallow well	5.0779	31.71419	1076	2008	na	na	na	na	Functioning	Clear	Salty	27.2	6.9	0.2	24		
HP-1318	Urumb	Ugungu Tuombu Mungu	4	Kuini	715	Deep well	5.09018	31.70813	1088	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na	na	
HP-1319	Urumb	Ugungu Tuombu Mungu	4	Kuini	715	Deep well	5.06934	31.70986	1084	na	na	na	na	na	Functioning	Clear	Salty	26.8	6.6	0.52	95		
HP-1320	Urumb	Ugungu Tuombu Mungu	4	Kuini	715	Shallow well	5.0801	31.70804	1082	na	na	na	na	na	Pump Removed	Clear	Salty	27.4	7.2	0.11	72		

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				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Latitude	Longitude	Drilling Year	State Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)	
HP-1321	Urambo	Ugungu	4	Ugungu Kijini	520	Deep well	5,070.7	31.75025	1081	na	na	na	104	12	Functioning	Clear	Tasteless	27.8	5.8	0.6	52			
HP-1322	Urambo	Ugungu	4	Ugungu Kijini	520	Shallow well	5,068.3	31.75077	1079	na	na	na	104	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1323	Urambo	Ugungu	4	Ugungu Kijini	520	Shallow well	5,066.6	31.74336	1078	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	na		
HP-1324	Urambo	Ugungu	4	Ugungu Kijini	520	Shallow well	5,070.4	31.75662	1072	na	na	na	200	na	Pump Removed	na	na	na	na	na	na	na		
HP-1325	Urambo	Ukondanoyo	7	Kikoni	na	Shallow well	5,122.9	31.92525	1082	na	na	na	200	na	Pump Removed	na	na	na	na	na	na	na		
HP-1326	Urambo	Ukondanoyo	7	Kikoni	na	Shallow well	5,163.7	31.92486	1083	na	na	na	200	na	Pump Removed	na	na	na	na	na	na	na		
HP-1327	Urambo	Ukondanoyo	7	Kikoni	na	Shallow well	5,118.7	31.92359	1081	na	na	na	200	na	Pump Removed	na	na	na	na	na	na	na		
HP-1328	Urambo	Ukondanoyo	7	Kikoni	na	Deep well	5,179.3	31.93305	1079	2008	na	na	2008	24	Functioning	Clear	Tasteless	26.2	5.6	0.045	126.4			
HP-1329	Urambo	Ukondanoyo	7	Safini	na	Shallow well	5,187.7	31.94078	1085	1861	na	na	200	na	Pump Removed	na	na	na	na	na	na	na		
HP-1330	Urambo	Ukondanoyo	7	Safini	na	Shallow well	5,149.3	31.93417	1085	1861	na	na	200	na	Pump Removed	na	na	na	na	na	na	na		
HP-1331	Urambo	Ukondanoyo	7	Ubebe	na	Deep well	5,251.4	31.9161	1071	2008	na	na	2008	24	Functioning	Clear	Tasteless	26	5.6	0.052	132			
HP-1332	Urambo	Ukondanoyo	3	Mbatini	na	Shallow well	5,168.4	32.03523	1088	2008	na	na	2008	na	Unfunctioning	na	na	na	na	na	na	na		
HP-1333	Urambo	Ukondanoyo	3	Magonza	na	Shallow well	5,166.8	32.03628	1100	na	7.4	na	320	na	Pump Removed	Clear	Tasteless	25.2	5.6	0.056	13			
HP-1334	Urambo	Ukondanoyo	3	Magonza	na	Deep well	5,181.1	32.03817	1094	na	na	na	320	na	Pump Removed	na	na	na	na	na	na	na		
HP-1335	Urambo	Ukondanoyo	1	Firma S	927	Deep well	5,129.6	31.93662	1082	2008	na	na	185	12	Functioning	Clear	Tasteless	26.3	6.2	0.158	208			
HP-1336	Urambo	Ukumbisiganga	4	Kangame kaakazi	1625	Shallow well	5,421.4	31.57385	1094	na	na	na	325	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1337	Urambo	Ukumbisiganga	4	Kangame kaakazi	1625	Shallow well	5,421.1	31.58056	1092	na	na	na	325	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1338	Urambo	Ukumbisiganga	4	Kangame kuzini	2470	Shallow well	5,424.3	31.58079	1093	na	na	na	495	na	Pump Removed	na	na	na	na	na	na	na		
HP-1339	Urambo	Ukumbisiganga	4	Kangame kuzini	2470	Deep well	5,422.6	31.58446	1093	2008	na	na	495	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1340	Urambo	Ukumbisiganga	6	Lumbe CCM	na	Deep well	5,502.2	31.49831	1082	2008	na	na	230	24	Functioning	Clear	Tasteless	25.8	6.9	0.4	67.8			
HP-1341	Urambo	Ukumbisiganga	6	Lumbe CCM	na	Shallow well	5,506.1	31.49877	1084	2003	na	na	230	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1342	Urambo	Ukumbisiganga	6	Lumbe Station	na	Shallow well	5,487.5	31.49302	1081	na	na	na	230	24	Functioning	Turbid	Tasteless	26.1	6.2	0.2	12.3			
HP-1343	Urambo	Ukumbisiganga	6	Lumbe Station	na	Shallow well	5,487.2	31.49728	1081	na	na	na	230	24	Functioning	Clear	Tasteless	26.3	6.7	0.3	18.7			
HP-1344	Urambo	Ukumbisiganga	6	Lumbe Station	na	Shallow well	5,466.5	31.48742	1080	na	na	na	230	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1345	Urambo	Ukumbisiganga	6	Lumbe Station	na	Shallow well	5,466.4	31.50194	1086	2003	na	na	230	24	Pump Removed	na	na	na	na	na	na	na		
HP-1346	Urambo	Ukumbisiganga	2	Ukumbi Mshariki	260	Shallow well	5,728.2	31.20775	1087	2003	na	3.6	26	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1347	Urambo	Ukumbisiganga	2	Ukumbi Mshariki	120	Shallow well	5,738.6	31.20960	1077	2003	na	3.6	12	25	Unfunctioning	na	na	na	na	na	na	na		
HP-1348	Urambo	Ukumbisiganga	5	CCM	1185	Shallow well	5,490.5	31.59791	1076	na	na	na	360	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1349	Urambo	Ukumbisiganga	5	Mindala	578	Shallow well	5,484.4	31.52391	1088	na	na	na	190	24	Functioning	Clear	Tasteless	25.8	5.6	0.2	12.28			
HP-1350	Urambo	Ukumbisiganga	5	Mshariki	1129	Shallow well	5,489.1	31.52228	1087	2008	na	na	370	24	Functioning	Clear	Tasteless	25.9	5.9	0.21	10.38			
HP-1351	Urambo	Ukumbisiganga	5	Mshariki	1123	Shallow well	5,490.3	31.52544	1085	na	na	na	370	24	Unfunctioning	na	na	na	na	na	na	na		
HP-1352	Urambo	Ukumbisiganga	5	Shauri	1136	Shallow well	5,467.4	31.51089	1077	na	na	na	375	24	Functioning	Clear	Tasteless	25.5	5.78	0.41	10.87			
HP-1353	Urambo	Ukumbisiganga	5	Ugungu Kali	110	Shallow well	5,668.8	31.27974	1112	2003	na	na	22	na	Unfunctioning	na	na	na	na	na	na	na		
HP-1354	Urambo	Ukumbisiganga	5	Ugungu Kali	110	Shallow well	5,668.3	31.28128	1116	2003	na	2.15	na	na	Unfunctioning	na	na	na	na	na	na	na		
HP-1355	Urambo	Ukumbisiganga	5	Ugungu Kali	110	Shallow well	5,671.1	31.28377	1117	2003	na	na	22	na	Unfunctioning	na	na	na	na	na	na	na		
HP-1356	Urambo	Ukumbisiganga	5	Ugungu Kloneta 78	80	Deep well	5,667.7	31.28278	1117	2009	na	na	16	24	Functioning	Clear	Little Salty	25.6	6.3	0.3	65.7			
HP-1357	Urambo	Ukumbisiganga	5	Ugungu Kloneta 78	80	Shallow well	5,659.5	31.2827	1111	2003	na	na	16	na	Unfunctioning	na	na	na	na	na	na	na		
HP-1358	Urambo	Ukumbisiganga	5	Luyembe	na	Shallow well	5,212.9	31.70803	1066	2003	na	na	na	na	Pump Removed	na	na	na	na	na	na	na		
HP-1359	Urambo	Ukumbisiganga	5	Umbaba	na	Shallow well	5,243.7	31.7594	1081	2003	na	na	na	na	Pump Removed	na	na	na	na	na	na	na		
HP-1360	Urambo	Ukumbisiganga	5	Umbaba	na	Shallow well	5,250.2	31.75455	1073	2003	na	na	na	na	Pump Removed	na	na	na	na	na	na	na		

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				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Altitude (m)	Latitude	Longitude	Drilling Year	State Water Level (m)	Drilling Year	Drilling Year	Installation Depth (m)	Type of Handpump	Installation Year	Water Consumption (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (mS/cm)
HP-1401	Urumb	Utinge	9	Utinge Magharibi	1600	Shallow well	32.1004	31.2154	1038	2004	na	na	na	na	2005	300	na	Unfunctioning	na	na	na	na	na	na	
HP-1402	Urumb	Utinge	9	Utinge Magharibi	1600	Deep well	52.0692	31.2176	1089	2008	na	na	na	na	2008	320	24	Functioning	Clear	Tasteless	26.8	6.3	0.36	28.4	
HP-1403	Urumb	Utinge	9	Utinge Mashiki	1040	Shallow well	50.9868	31.3046	1077	na	na	na	na	na	na	156	na	Unfunctioning	na	na	na	na	na	na	
HP-1404	Urumb	Utinge	9	Utinge Mashiki	1040	Shallow well	50.9882	31.3064	1075	2003	na	na	na	na	2008	320	24	Unfunctioning	Clear	Tasteless	26.4	5.4	0.043	3.3	
HP-1405	Urumb	Utinge	9	Utinge Mashiki	1700	Deep well	52.0422	31.2958	1089	2008	na	na	na	na	2008	320	24	Unfunctioning	na	na	na	na	na	na	
HP-1406	Urumb	Katungula	1	Ujamaa	620	Shallow well	51.1778	32.2956	1122	2007	na	na	na	na	2008	124	na	Unfunctioning	na	na	na	na	na	na	
HP-1407	Urumb	Mbanduku	7	Mbanduku kaskazini	913	Shallow well	50.3783	32.2376	1165	1986	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1408	Urumb	Mbanduku	7	Mbanduku kaskazini	913	Shallow well	50.3877	32.2365	1159	1990	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1409	Urumb	Mbanduku	7	Mbanduku kaskazini	913	Shallow well	50.3854	32.2362	1141	na	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1410	Urumb	Mbanduku	7	Mbanduku kaskazini	966	Shallow well	50.4443	32.2365	1174	na	na	na	na	na	200	200	24	Unfunctioning	na	na	na	na	na	na	
HP-1411	Urumb	Mbanduku	7	Mbanduku kusini	966	Shallow well	50.9423	32.2146	1162	na	na	na	na	na	200	200	na	Unfunctioning	na	na	na	na	na	na	
HP-1412	Urumb	Mbanduku	7	Mbanduku kusini	966	Shallow well	50.9276	32.2407	1157	na	na	na	na	na	260	na	na	Unfunctioning	na	na	na	na	na	na	
HP-1413	Urumb	Mbanduku	7	Mbanduku kusini	966	Shallow well	50.9804	32.2302	1157	1980	na	na	na	na	200	na	na	Unfunctioning	na	na	na	na	na	na	
HP-1414	Urumb	Spungu	2	Chelehen	598	Shallow well	50.7723	32.2677	1129	1978	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1415	Urumb	Utiyaya	1	Utiyaya kati	566	Shallow well	50.9462	32.2734	1168	na	na	na	na	na	150	na	na	Under Construction	na	na	na	na	na	na	
HP-1416	Urumb	Regamwali	1	Utiyaya kati	865	Deep well	50.9345	32.2333	1129	2009	na	na	na	na	2008	905	na	Unfunctioning	na	na	na	na	na	na	
HP-1417	Urumb	Utiyaya	1	Inga	na	Shallow well	51.0208	32.2989	1145	na	na	na	na	na	2008	na	24	Functioning	Mky	Tasteless	26.6	5.6	0.048	6.7	
HP-1418	Urumb	Utiyaya	1	Utiyaya kati	500	Shallow well	50.9429	32.2375	1156	na	na	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na	
HP-1419	Urumb	Utiyaya	16	Utiyaya kati	750	Shallow well	50.9325	32.3180	1156	na	na	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	
HP-1420	Urumb	Utiyaya	16	Utiyaya kati	750	Deep well	50.9123	32.3171	1157	1996	na	na	na	na	2008	na	na	Unfunctioning	na	na	na	na	na	na	
HP-1421	Urumb	Utiyaya	16	Utiyaya kati	750	Shallow well	50.9473	32.3243	1157	na	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1422	Urumb	Utiyaya	16	Utiyaya kati	750	Deep well	50.9887	32.3194	1164	1996	na	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na	
HP-1423	Urumb	Utiyaya	16	Utiyaya kati	2718	Deep well	50.9535	32.3193	1156	2009	na	na	na	na	2008	680	24	Unfunctioning	na	na	na	na	na	na	
HP-1424	Urumb	Utiyaya	16	Utiyaya kati	2718	Deep well	50.9191	32.3185	1151	2009	na	na	na	na	2008	680	24	Functioning	Clear	Tasteless	26.8	5.6	0.032	23.1	
HP-1425	Urumb	Utiyaya	16	Utiyaya kati	2718	Shallow well	50.9808	32.3134	1154	na	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1426	Urumb	Utiyaya	16	Utiyaya kati	825	Deep well	50.9328	32.3124	1156	na	na	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na	
HP-1427	Urumb	Utiyaya	16	Utiyaya kati	825	Shallow well	50.9839	32.3114	1155	na	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1428	Urumb	Utiyaya	16	Utiyaya kati	825	Shallow well	50.9768	32.3105	1155	na	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1429	Urumb	Utiyaya	16	Utiyaya kati	550	Deep well	50.9573	32.32015	1154	na	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1430	Urumb	Utiyaya	16	Utiyaya kati	2900	Shallow well	51.0061	32.3125	1136	1991	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1431	Urumb	Utiyaya	16	Utiyaya kati	2900	Shallow well	50.9578	32.3189	1144	1981	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1432	Urumb	Utiyaya	16	Utiyaya kati	2900	Shallow well	50.9529	32.3211	1144	na	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1433	Urumb	Utiyaya	16	Utiyaya kati	2900	Deep well	50.9851	32.3219	1143	na	na	na	na	na	na	na	na	Unfunctioning	na	na	na	na	na	na	
HP-1434	Urumb	Utiyaya	16	Utiyaya kati	2900	Shallow well	50.9828	32.3216	1142	1981	na	na	na	na	na	na	na	Pump Removed	na	na	na	na	na	na	
HP-1435	Urumb	Mwandafulima	3	Kalimbala	na	Shallow well	45.9888	31.9832	1119	1976	na	na	na	na	1976	na	na	Pump Removed	na	na	na	na	na	na	
HP-1436	Urumb	Utiyaya	3	Mwandafulima	na	Deep well	45.7183	31.9746	1122	2001	na	na	na	na	2001	na	na	Unfunctioning	na	na	na	na	na	na	
HP-1437	Urumb	Utiyaya	3	Mwandafulima	na	Shallow well	45.9888	31.9832	1116	2008	na	na	na	na	2008	na	12	Functioning	Clear	Fresh	26.5	6.3	0.4	65	
HP-1438	Urumb	Utiyaya	3	Nyeta	na	Shallow well	44.9762	31.9724	1096	1976	na	na	na	na	1976	na	na	Pump Removed	na	na	na	na	na	na	
HP-1439	Urumb	Utiyaya	3	Songambele	na	Deep well	44.7546	32.0048	1119	2005	na	na	na	na	2005	na	na	Unfunctioning	na	na	na	na	na	na	
HP-1440	Urumb	Utiyaya	3	Songambele	na	Shallow well	44.7918	32.0365	1117	2008	na	na	na	na	2008	na	12	Functioning	Clear	Fresh	26.5	6.3	0.4	46	

既存給水施設リスト (ハンドポンプ)

Hand Pump ID	District Municipality	Village / Street	Number of Households in Village	General Information			GPS Coordinates (Map Datum Arc. 1980)			Well Information			Handpump Information						Water Quality on the field						
				Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Drilling Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Capacity (m ³ /day)	Operation (hour/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (µS/cm)		
HP-1441	Urambo	Uyova	2	Songembale	na	Deep well	45867.4	32.0733	1121	2005	na	70	Indian MkII	70	2005	na	12	Functioning	Clear	Fresh	26.5	6.8	0.4	45	
HP-1442	Urambo	Uyova	2	Songembale	na	Deep well	45884	32.0832	1129	2005	na	75	SWN-80	75	2005	na	12	Functioning	Clear	Fresh	26.5	6.3	ND	63	
HP-1443	Urambo	Uyova	4	Uhinini	na	Deep well	454126	31.96594	1108	2006	na	70	Indian MkII	68	2006	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1444	Urambo	Uyova	4	Uhinini	na	Deep well	454172	31.96002	1115	2006	na	70	Indian MkII	76	2006	na	12	Functioning	Clear	Fresh	26.8	6.8	0.4	45	
HP-1445	Urambo	Uyova	4	Uhinini	na	Deep well	454268	31.95277	1114	2005	na	62	Indian MkII	62	2005	na	na	Unfunctioning	na	na	na	na	na	na	na
HP-1446	Urambo	Uyova	4	Uhinini	na	Deep well	455408	31.9676	1121	2006	na	66	Indian MkII	65	2006	na	12	Functioning	Clear	Salty	26.2	5.6	0.4	102	
HP-1447	Urambo	Uyumbu	7	Isongwa	622	Deep well	522759	32.3362	1127	2009	na	na	no pump	na	2009	na	na	Under Construction	na	na	na	na	na	na	na
HP-1448	Urambo	Uyumbu	7	Isongwa	711	Deep well	522481	32.2678	1129	2009	na	na	no pump	na	2009	na	na	Under Construction	na	na	na	na	na	na	na
HP-1449	Urambo	Uyumbu	7	Isongwa	595	Deep well	52231	32.2686	1132	2009	na	na	no pump	na	2009	na	na	Pump Removed	na	na	na	na	na	na	na
HP-1450	Urambo	Uyumbu	7	Isongwa	595	Deep well	52207	32.2785	1135	2009	na	na	no pump	na	2009	na	na	Pump Removed	na	na	na	na	na	na	na
HP-1451	Urambo	Uyumbu	7	Isongwa	542	Deep well	521796	32.21763	1110	2009	na	na	no pump	na	2009	na	na	Under Construction	na	na	na	na	na	na	na
HP-1452	Urambo	Uyumbu	7	Isongwa	411	Deep well	521655	32.20911	1141	2009	na	na	no pump	na	2009	na	na	Under Construction	na	na	na	na	na	na	na
HP-1453	Urambo	Uyumbu	7	Isongwa	432	Deep well	520768	32.25213	1121	2009	na	na	no pump	na	2009	na	na	Under Construction	na	na	na	na	na	na	na
HP-1454	Urambo	Uyumbu	4	Imahimpaka	na	Deep well	528992	32.3214	1150	2009	na	na	no pump	na	2007	66.2	na	Abandoned	na	na	na	na	na	na	na
HP-1455	Urambo	Uyumbu	4	Imahimpaka	na	Deep well	529187	32.25739	1140	2007	na	na	no pump	na	2007	66.2	na	Under Construction	na	na	na	na	na	na	na
HP-1456	Urambo	Uyumbu	4	Imahimpaka	na	Shallow well	529118	32.29893	1143	na	na	na	Shayyaga pump	na	na	70	na	Under Construction	na	na	na	na	na	na	na
HP-1457	Urambo	Uyumbu	4	Imahimpaka	na	Shallow well	529532	32.29531	1138	na	na	na	Shayyaga pump	na	na	na	na	Under Construction	na	na	na	na	na	na	na
HP-1458	Urambo	Uyumbu	1	Kigoli	na	Shallow well	522315	32.4116	1155	2006	na	na	Akdev	na	2006	na	24	Unfunctioning	na	na	na	na	na	na	na
HP-1459	Urambo	Uyumbu	4	Nagopole	314	Deep well	522693	32.3732	1163	2007	4.8	48.28	Akdev	na	2007	125.6	24	Functioning	Clear	Tasteless	26.8	6.2	0.102	44	
HP-1460	Urambo	Uyumbu	4	Nagopole	177	Deep well	524124	32.34274	1162	2007	na	na	Akdev	na	2007	70.8	24	Functioning	Clear	Tasteless	26.7	5.7	0.182	62.46	
HP-1461	Urambo	Uyumbu	4	Nagopole	209	Deep well	525147	32.34575	1154	2007	4.3	38.4	Akdev	na	2007	83.8	24	Functioning	Clear	Tasteless	27.5	5.8	0.0659	115	
HP-1462	Urambo	Uyumbu	4	Nagopole	454	Deep well	530546	32.34477	1146	2007	2.12	52.5	Akdev	na	2007	181.6	24	Functioning	Mky	Tasteless	27.2	6.1	0.011	202	
HP-1463	Urambo	Uyumbu	6	Ujokwe	211	Deep well	513848	32.34084	1148	2008	na	na	Akdev	na	2008	42	24	Functioning	Clear	Tasteless	27	6.4	0.162	42	
HP-1464	Urambo	Uyumbu	6	Ujokwe	702	Deep well	515648	32.35965	1162	2008	na	na	Akdev	na	2008	140.4	12	Functioning	Clear	Tasteless	27.1	6.5	0.36	30.1	
HP-1465	Urambo	Uyumbu	6	Ujokwe	273	Deep well	516842	32.36003	1157	2007	na	na	Akdev	na	2007	54.6	12	Functioning	Clear	Tasteless	26.7	6.4	0.11	108	
HP-1466	Urambo	Uyumbu	6	Ujokwe	424	Shallow well	517715	32.36309	1182	2008	na	na	Tanna	na	2008	84.8	24	Functioning	Clear	Tasteless	26.7	6.5	0.107	16.88	
HP-1467	Urambo	Uyumbu	6	Ujokwe	424	Deep well	517891	32.3628	1184	2008	2.9	36.9	Akdev	na	2008	84.8	24	Functioning	Clear	Tasteless	26.9	6.2	0.11	224	
HP-1468	Urambo	Uyumbu	6	Ujokwe	424	Deep well	517768	32.35716	1178	1981	na	na	Shayyaga pump	na	1981	84.8	24	Unfunctioning	na	na	na	na	na	na	na
HP-1469	Urambo	Uyumbu	6	Ujokwe	2100	Shallow well	508451	31.98747	1103	na	na	na	Shayyaga pump	na	na	84.8	24	Unfunctioning	na	na	na	na	na	na	na
HP-1470	Urambo	Uyumbu	6	Ujokwe	3403	Shallow well	508673	31.98797	1096	2003	na	na	no pump	na	na	420	na	Pump Removed	Clear	Tasteless	24.1	6.2	0.055	11.7	
HP-1471	Urambo	Uyumbu	6	Nicobu	3400	Shallow well	509248	31.99048	1084	1974	na	na	no pump	na	na	680	na	Pump Removed	Clear	Tasteless	24.3	6.5	0.28	41.8	
HP-1472	Urambo	Uyumbu	6	Nicobu	3400	Deep well	508932	31.98959	1095	2009	na	na	Akdev	na	2009	680	24	Functioning	Clear	Tasteless	24.5	6.8	0.19	32.4	
HP-1473	Urambo	Uyumbu	6	Nicobu	3400	Shallow well	509754	31.89744	1095	1974	na	na	no pump	na	na	680	na	Pump Removed	Clear	Tasteless	24.8	6.46	0.4	52.1	
HP-1474	Urambo	Uyumbu	6	Nicobu	3400	Shallow well	508690	31.88885	1095	1974	na	na	Akdev	na	na	680	24	Functioning	Clear	Tasteless	24.9	5.9	0.36	22.4	
HP-1475	Urambo	Uyumbu	6	Nicobu	1800	Shallow well	507107	31.89786	1102	1974	na	na	no pump	na	na	360	na	Pump Removed	Grey	Little Salty	25.8	8.5	0.34	67.6	

既存給水施設リスト (ハンドポンプ)

Hand Pump ID	District/ Municipality	Village / Street	Ward	General Information				GPS Coordinates (Map Datum: A.C. 1980)				Well Information			Handpump Information					Water Quality on the field					
				Number of Handpump in Village	Sub-Village/Street	Covering Population by Handpump	Type of Water Source	Latitude	Longitude	Altitude (m)	Drilling Year	Static Water Level (m)	Type of Handpump	Installation Depth (m)	Installation Year	Water Consumption (m ³ /day)	Operation (hours/day)	Status	Color	Taste	Temperature (degree)	pH	Fluoride (mg/l)	Electric Conductivity (µS/cm)	
TP-1481	Urambo	Vumbila	Vumbila	3	Ujiji	2006	Shallow well	5.06853	31.8373	104	1974	na	na	no pump	na	na	400	na	Pump Removed	na	na	na	na	na	na
TP-1482	Urambo	Vumbila	Vumbila	3	Upanda	1800	Shallow well	5.07623	31.87574	1094	1974	na	na	no pump	na	na	360	na	Pump Removed	na	na	na	na	na	na
TP-1483	Urambo	Vumbila	Vumbila	4	Kali	1457	Shallow well	5.06363	31.93474	1035	2007	na	12	Tanaka	na	2007	242	12	Functioning	Clear	Salty	27.1	5.6	0.7	69.7
TP-1484	Urambo	Vumbila	Vumbila	4	Kali	1457	Shallow well	5.06009	31.92029	1091	na	na	na	no pump	na	na	232	na	Pump Removed	Milky	Tasteless	27.3	6.2	0.051	82
TP-1485	Urambo	Vumbila	Vumbila	4	Kali	1457	Shallow well	5.06573	31.91948	1087	na	na	2	no pump	na	na	292	na	Pump Removed	na	na	na	na	na	na
TP-1486	Urambo	Vumbila	Vumbila	4	Kali	1457	Shallow well	5.06316	31.93432	1094	2009	na	na	Indian Milk	na	2007	242	12	Functioning	Clear	Salty	26.9	6.1	0.6	62

既存給水施設リスト (管路給水)

No. of Pipe Supply System (PWS)	District	Ward	Village / Street	General Information				GPS Coordinates (Map Datum: Arc 1986)			Well Information				Motorized Pump Information				Water Tank Information				Public Water Points (PWP) Information				Operating Status of PWS				Water Quality on the Field							
				Contra- Sub-Village / Streets	Water Supply Population	No. of Water Supply Source	Total Functioning (Number and of Public Water Point)	Pumping System	Daily Consumption (m ³ /day)	Water Source Type	Lat.	Lon.	Sub-Village / Street	Dilling Year	Depth Year	Depth (m)	Type of Motorized Pump	Power (kW)	Installation Year	Operation Hour/ day	Capacity of Tank (m ³)	Shape of Tank	Height of Tank (m)	Status of Tank	Number of Supply Point in each Sub-Village / Street	Status of PWS (abundant/shortage)	Do/Did the PWS abundant/shortage	Does the PWS abundant/shortage	Colour	Taste	Temp ()	pH	Fluoride (mg/L)	EC (mS/cm)				
IPFW01	Iganga	Chona	Chiso	54 Mwakoko 54 Chiso	1700	1	Total Functioning 4 Unfunctioning	Electrical Submersible Pump	540	Shallow well	3.9909	33.34521	Mwankono	2002	na	Cylindrical	na	na	2003	12	F	na	Cylindrical	na	F	Chiso 6PWP for 1600 people Mwankono 3PWP for 800 people	F	Yes	No	Clear	Tasteless	31.0	7.9	2.7	68			
IPFW02	Iganga	Chona	Chomahankwa	64 Zomadi 58 Ginyey 57 Chomahankwa 63 Ukwahini 62 Sokoni	4300	2	Total Functioning 2 Unfunctioning	Electrical Submersible Pump	600	Deep well	3.99758	33.3575	Zomadi	na	310	Cylindrical	na	na	na	12	F	na	Cylindrical	na	F	Chona 6PWP Zomadi 1PWP Ginyey 1PWP Chomahankwa 1PWP Ukwahini 1PWP Sokoni 1PWP	F	Yes	Yes	Clear	Very pleasant	29.7	8.1	6.5	260			
IPFW02	Iganga	Chona	Chomahankwa	64 Zomadi 58 Ginyey 57 Chomahankwa 63 Ukwahini 62 Sokoni	4300	2	Total Functioning 2 Unfunctioning	Electrical Submersible Pump	600	Deep well	4.02389	33.34821	Ukwahini	na	320	Cylindrical	na	na	na	13	F	na	Cylindrical	na	F	Chona 6PWP Zomadi 1PWP Ginyey 1PWP Chomahankwa 1PWP Ukwahini 1PWP Sokoni 1PWP	F	Yes	Yes	na	na	na	na	na	na			
IPFW03	Iganga	Iganga	Igabo	96 Beme 97 Kati 98 Kati 99 Mghabi 100 Mghabi 101 Mghabi 102 Mghabi 103 Mghabi 104 Mghabi 105 Mghabi 106 Mghabi 107 Mghabi 108 Mghabi 109 Mghabi 110 Mghabi 111 Mghabi 112 Mghabi 113 Mghabi 114 Mghabi 115 Mghabi 116 Mghabi 117 Mghabi 118 Mghabi 119 Mghabi 120 Mghabi 121 Mghabi 122 Mghabi 123 Mghabi 124 Mghabi 125 Mghabi 126 Mghabi 127 Mghabi 128 Mghabi 129 Mghabi 130 Mghabi 131 Mghabi 132 Mghabi 133 Mghabi 134 Mghabi 135 Mghabi 136 Mghabi 137 Mghabi 138 Mghabi 139 Mghabi 140 Mghabi 141 Mghabi 142 Mghabi 143 Mghabi 144 Mghabi 145 Mghabi 146 Mghabi 147 Mghabi 148 Mghabi 149 Mghabi 150 Mghabi 151 Mghabi 152 Mghabi 153 Mghabi 154 Mghabi 155 Mghabi 156 Mghabi 157 Mghabi 158 Mghabi 159 Mghabi 160 Mghabi 161 Mghabi 162 Mghabi 163 Mghabi 164 Mghabi 165 Mghabi 166 Mghabi 167 Mghabi 168 Mghabi 169 Mghabi 170 Mghabi 171 Mghabi 172 Mghabi 173 Mghabi 174 Mghabi 175 Mghabi 176 Mghabi 177 Mghabi 178 Mghabi 179 Mghabi 180 Mghabi 181 Mghabi 182 Mghabi 183 Mghabi 184 Mghabi 185 Mghabi 186 Mghabi 187 Mghabi 188 Mghabi 189 Mghabi 190 Mghabi 191 Mghabi 192 Mghabi 193 Mghabi 194 Mghabi 195 Mghabi 196 Mghabi 197 Mghabi 198 Mghabi 199 Mghabi 200 Mghabi	7220	1	Total Functioning 1 Unfunctioning	Gravity from Buluya and Booster Pump	1900	Dam	4.29003	33.78698	Buluya	1981	na	na	Electrical	na	na	na	12	F	105	Cylindrical	On ground	UF	F	Yes	Yes	Yes	Yellow	Tasteless	24.6	8.26	4.3	26.8		
IPFW03	Iganga	Iganga	Igabo	96 Beme 97 Kati 98 Kati 99 Mghabi 100 Mghabi 101 Mghabi 102 Mghabi 103 Mghabi 104 Mghabi 105 Mghabi 106 Mghabi 107 Mghabi 108 Mghabi 109 Mghabi 110 Mghabi 111 Mghabi 112 Mghabi 113 Mghabi 114 Mghabi 115 Mghabi 116 Mghabi 117 Mghabi 118 Mghabi 119 Mghabi 120 Mghabi 121 Mghabi 122 Mghabi 123 Mghabi 124 Mghabi 125 Mghabi 126 Mghabi 127 Mghabi 128 Mghabi 129 Mghabi 130 Mghabi 131 Mghabi 132 Mghabi 133 Mghabi 134 Mghabi 135 Mghabi 136 Mghabi 137 Mghabi 138 Mghabi 139 Mghabi 140 Mghabi 141 Mghabi 142 Mghabi 143 Mghabi 144 Mghabi 145 Mghabi 146 Mghabi 147 Mghabi 148 Mghabi 149 Mghabi 150 Mghabi 151 Mghabi 152 Mghabi 153 Mghabi 154 Mghabi 155 Mghabi 156 Mghabi 157 Mghabi 158 Mghabi 159 Mghabi 160 Mghabi 161 Mghabi 162 Mghabi 163 Mghabi 164 Mghabi 165 Mghabi 166 Mghabi 167 Mghabi 168 Mghabi 169 Mghabi 170 Mghabi 171 Mghabi 172 Mghabi 173 Mghabi 174 Mghabi 175 Mghabi 176 Mghabi 177 Mghabi 178 Mghabi 179 Mghabi 180 Mghabi 181 Mghabi 182 Mghabi 183 Mghabi 184 Mghabi 185 Mghabi 186 Mghabi 187 Mghabi 188 Mghabi 189 Mghabi 190 Mghabi 191 Mghabi 192 Mghabi 193 Mghabi 194 Mghabi 195 Mghabi 196 Mghabi 197 Mghabi 198 Mghabi 199 Mghabi 200 Mghabi	7220	1	Total Functioning 1 Unfunctioning	Gravity from Buluya and Booster Pump	1900	Dam	4.29003	33.78698	Buluya	1981	na	na	Electrical	na	na	na	12	F	105	Cylindrical	On ground	UF	F	Yes	Yes	Yes	Yellow	Tasteless	24.6	8.26	4.3	26.8		
IPFW03	Iganga	Iganga	Igabo	96 Beme 97 Kati 98 Kati 99 Mghabi 100 Mghabi 101 Mghabi 102 Mghabi 103 Mghabi 104 Mghabi 105 Mghabi 106 Mghabi 107 Mghabi 108 Mghabi 109 Mghabi 110 Mghabi 111 Mghabi 112 Mghabi 113 Mghabi 114 Mghabi 115 Mghabi 116 Mghabi 117 Mghabi 118 Mghabi 119 Mghabi 120 Mghabi 121 Mghabi 122 Mghabi 123 Mghabi 124 Mghabi 125 Mghabi 126 Mghabi 127 Mghabi 128 Mghabi 129 Mghabi 130 Mghabi 131 Mghabi 132 Mghabi 133 Mghabi 134 Mghabi 135 Mghabi 136 Mghabi 137 Mghabi 138 Mghabi 139 Mghabi 140 Mghabi 141 Mghabi 142 Mghabi 143 Mghabi 144 Mghabi 145 Mghabi 146 Mghabi 147 Mghabi 148 Mghabi 149 Mghabi 150 Mghabi 151 Mghabi 152 Mghabi 153 Mghabi 154 Mghabi 155 Mghabi 156 Mghabi 157 Mghabi 158 Mghabi 159 Mghabi 160 Mghabi 161 Mghabi 162 Mghabi 163 Mghabi 164 Mghabi 165 Mghabi 166 Mghabi 167 Mghabi 168 Mghabi 169 Mghabi 170 Mghabi 171 Mghabi 172 Mghabi 173 Mghabi 174 Mghabi 175 Mghabi 176 Mghabi 177 Mghabi 178 Mghabi 179 Mghabi 180 Mghabi 181 Mghabi 182 Mghabi 183 Mghabi 184 Mghabi 185 Mghabi 186 Mghabi 187 Mghabi 188 Mghabi 189 Mghabi 190 Mghabi 191 Mghabi 192 Mghabi 193 Mghabi 194 Mghabi 195 Mghabi 196 Mghabi 197 Mghabi 198 Mghabi 199 Mghabi 200 Mghabi	7220	1	Total Functioning 1 Unfunctioning	Gravity from Buluya and Booster Pump	1900	Dam	4.29003	33.78698	Buluya	1981	na	na	Electrical	na	na	na	12	F	105	Cylindrical	On ground	UF	F	Yes	Yes	Yes	Yellow	Tasteless	24.6	8.26	4.3	26.8		
IPFW04	Iganga	Iganga	Igabo	96 Beme 97 Kati 98 Kati 99 Mghabi 100 Mghabi 101 Mghabi 102 Mghabi 103 Mghabi 104 Mghabi 105 Mghabi 106 Mghabi 107 Mghabi 108 Mghabi 109 Mghabi 110 Mghabi 111 Mghabi 112 Mghabi 113 Mghabi 114 Mghabi 115 Mghabi 116 Mghabi 117 Mghabi 118 Mghabi 119 Mghabi 120 Mghabi 121 Mghabi 122 Mghabi 123 Mghabi 124 Mghabi 125 Mghabi 126 Mghabi 127 Mghabi 128 Mghabi 129 Mghabi 130 Mghabi 131 Mghabi 132 Mghabi 133 Mghabi 134 Mghabi 135 Mghabi 136 Mghabi 137 Mghabi 138 Mghabi 139 Mghabi 140 Mghabi 141 Mghabi 142 Mghabi 143 Mghabi 144 Mghabi 145 Mghabi 146 Mghabi 147 Mghabi 148 Mghabi 149 Mghabi 150 Mghabi 151 Mghabi 152 Mghabi 153 Mghabi 154 Mghabi 155 Mghabi 156 Mghabi 157 Mghabi 158 Mghabi 159 Mghabi 160 Mghabi 161 Mghabi 162 Mghabi 163 Mghabi 164 Mghabi 165 Mghabi 166 Mghabi 167 Mghabi 168 Mghabi 169 Mghabi 170 Mghabi 171 Mghabi 172 Mghabi 173 Mghabi 174 Mghabi 175 Mghabi 176 Mghabi 177 Mghabi 178 Mghabi 179 Mghabi 180 Mghabi 181 Mghabi 182 Mghabi 183 Mghabi 184 Mghabi 185 Mghabi 186 Mghabi 187 Mghabi 188 Mghabi 189 Mghabi 190 Mghabi 191 Mghabi 192 Mghabi 193 Mghabi 194 Mghabi 195 Mghabi 196 Mghabi 197 Mghabi 198 Mghabi 199 Mghabi 200 Mghabi	927	1	Total Functioning 1 Unfunctioning	Diesel Well Pump	465	Deep well	3.98795	33.78974	Bugwanaga	2007	na	na	Diesel Well pump	na	na	na	5	F	na	Cylindrical	na	F	1PWP Ukwahini A 2PWP Mbabambu	F	No	Yes	na	na	na	na	na	na	na	
IPFW05	Iganga	Iganga	Igabo	166 Chya 167 Janganga 168 Mghabi 169 Mghabi 170 Mghabi 171 Mghabi 172 Mghabi 173 Mghabi 174 Mghabi 175 Mghabi 176 Mghabi 177 Mghabi 178 Mghabi 179 Mghabi 180 Mghabi 181 Mghabi 182 Mghabi 183 Mghabi 184 Mghabi 185 Mghabi 186 Mghabi 187 Mghabi 188 Mghabi 189 Mghabi 190 Mghabi 191 Mghabi 192 Mghabi 193 Mghabi 194 Mghabi 195 Mghabi 196 Mghabi 197 Mghabi 198 Mghabi 199 Mghabi 200 Mghabi	4600	1	Total Functioning 1 Unfunctioning	na	3630	Dam	4.18990	33.64003	Mbuyumwili	na	na	na	na	na	na	na	na	na	na	Cylindrical	na	UF	na	No	No	na	na	na	na	na	na	na	na	na

既存給水施設リスト (管路給水)

No. of Project Scheme	District	Ward	Village / Street	General Information						GPS Coordinates (Map Datum: Arc 1986)				Well Information			Motorized Pump Information				Water Tank Information			Operating Status of PWS			Water Quality on the Field						
				Connected Sub-Village / Streets	Water Supply Population	No. of Water Source	Total Number of Functioning (Number and Capacity of Public Water Points)	Pumping System	Daily Consumption (m³/day)	Water Source Type	Lat.	Lon.	Sub-Village / Street	Dilling Year	Depth (m)	Type of Motorized Pump	Power (kW)	Installation Year	Quantity (hour/day)	Status of Tank	Capacity of Tank (m³)	Shape of Tank	Radius of Tank (m)	Status of PWS	Do/Did the water attendant attend?	Does PWS has a pump?	Colour	Taste	Temp (°C)	pH	Fluoride (mg/L)	EC (msh/cm)	
GPV-04	Iganga	Mwanashiga	Migotwa	293 Mwanushiga 291 Mgonywa A 297 Mwanya A	920	1	Total=1 Function=2 Unfunction=4	Electrical Submersible Pump	460	Dam	4.29033	33.78688	Buherya	1981	na	Electrical pump	na	na	12	F	na	Cylindrical	na	UF	Yes	Yes	Yellow	Tasteless	24.6	8.26	4.3	28.8	
GPV-05	Iganga	Nanga	Bulyangombe	403 Bulyangombe 404 Kasakazi / Mwanaki 405 Kusini 406 Mwanashiga 407 Mshija	3800	1	Total=1 Function=10 Unfunction=10	Electrical Submersible Pump	360	Dam	4.29033	33.78688	Buherya	1981	na	Electrical pump	na	na	12	F	na	Cylindrical	Unknow	UF	Yes	Yes	Yellow	Tasteless	24.6	8.26	4.3	28.8	
GPV-06	Iganga	Nanga	Igopo	410 Igopo Mwanishi 409 Igopo Mwanishi 412 Mwanishi 411 Jilili	na	1	Total=1 Function=2 Unfunction=2	Electrical Submersible Pump	(0.2 m³/person/day)	Dam	4.29033	33.78688	Buherya	1981	na	Electrical pump	na	na	12	F	na	Cylindrical	na	UF	Yes	Yes	Yellow	Tasteless	24.6	8.26	4.3	28.8	
GPV-06	Iganga	Nanga	Nanga	423 Mwananga B 424 Mwananga 425 Nanga Mwanaki	1542	1	Total=1 Function=7 Unfunction=9	Electrical Submersible Pump	154.2	Dam	4.29033	33.78688	Buherya	1981	na	Electrical pump	na	na	12	F	na	Cylindrical	na	UF	Yes	Yes	Yellow	Tasteless	24.6	8.26	4.3	28.8	
GPV-06	Iganga	Nanga	Nanga	424 Mwananga B 424 Mwananga 425 Nanga Mwanaki	1542	1	Total=1 Function=7 Unfunction=9	Electrical Submersible Pump	154.2	Dam	4.29033	33.78688	Buherya	1981	na	Electrical pump	na	na	12	F	na	Cylindrical	na	UF	Yes	Yes	Yellow	Tasteless	24.6	8.26	4.3	28.8	
GPV-07	Iganga	Nameresz	Nameresz	441 Umanamula A 442 Mwananga A 447 Sebela A	9600	1	Total=5 Function=5A Unfunction=5A	Electrical Submersible Pump	960	Deep well	4.3138	33.4254	Ushwa	na	46	Electrical Submersible pump	na	2009	19	F	45	Cylindrical	na	UF	NO	Yes	na	na	na	na	na	na	
GPV-08	Iganga	Nanga	Uliya	517 Mwanaga 511 Mwanuka 513 Kwanishi 515 Mwanishi	3200	1	na	Electrical Submersible Pump	640	Deep well	4.39083	33.42442	Mwanishi	2007	na	Electrical pump	na	2007	7	UF	na	Cylindrical	na	UF	na	NO	na	na	na	na	na	na	
GPV-09	Iganga	Nanga	Nanga	503 Mwananga Igalla 500 Sokoni 498 Igalla 499 Shiganga	6000	4	Total=13 Function=7 Unfunction=3	Electrical Submersible Pump and Diesel Well Pump	500	Deep well	4.40557	33.43714	Igalla	2007	87	Electric submersible pump	na	2008	7	F	na	Cylindrical	na	F	Yes	Yes	na	na	na	na	na	na	
GPV-09	Iganga	Nanga	Nanga	503 Umanamula Igalla 500 Sokoni 498 Igalla 499 Shiganga	6000	4	Total=10 Function=7 Unfunction=3	Electrical Submersible Pump and Diesel Well Pump	500	Deep well	4.41017	33.43514	Igalla	2007	46	Electric submersible pump	na	2008	7	UF	na	Cylindrical	na	F	Yes	Yes	na	na	na	na	na	na	na

既存給水施設リスト (管路給水)

General Information										GPS Coordinates (Map Datum: Arc 1986)				Well Information				Motorized Pump Information				Water Tank Information				Public Water Points (PWP) Information				Operating Status of PWSS				Water Quality on the Field			
No. of Public Water Supply Scheme	District	Ward	Village / Street	Concentrated Sub-Villages / Streets	Water Supply Population	No. of Water Source	Total Number of Functioning (Number of Public Water Points)	Pumping System	Daily Consumption (m ³ /day)	Water Source Type	Lat.	Lon.	Sub-Village / Street	Digging Year	Depth (m)	Type of Motorized Pump	Power (kW)	Installation Year	Operative Hour / day	Capacity of Tank (m ³)	Shape of Tank	Height of Tank (m)	Status of Tank	Number of Public Water Points in each Sub-Village / Street	Status of PWSS (functional)	Does PWSS (functional)	Colour	Taste	Temp (°C)	pH	Fluoride (mg/L)	EC (µS/cm)					
gPW09	Iringa	Ntanga	Ntanga	503 Awajawa ndege 488 Igulla 495 Sakoni 499 Shanyaga	6000	4	Total 0 Function=7 Unfunction=3	Electrical Submersible Pump and Diesel Well Pump	500	Deep well	4.41052	33.43526	Igulla	na	na	na	na	na	12	na	Cylindrical	na	F	Uwajawa ndege 1PWP for 1000 people Igulla 1PWP for 1000 people Sakoni 4PWP for 2500 people Hesabali 1PWP for 1500 people	F	Yes	na	na	na	na	na	na					
gPW08	Iringa	Ntanga	Ntanga	503 Awajawa ndege 488 Igulla 495 Sakoni 499 Shanyaga	6000	4	Total 0 Function=7 Unfunction=3	Electrical Submersible Pump and Diesel Well Pump	500	Deep well	4.41971	33.47937	Uwajawenge	2007	30	Diesel pump	na	2008	7	na	Cylindrical	na	F	Uwajawa ndege 1PWP for 1000 people Igulla 1PWP for 1000 people Sakoni 4PWP for 2500 people Hesabali 1PWP for 1500 people	F	Yes	na	na	na	na	na	na					
gPW10	Iringa	Simeo	Simeo	551 Busomeke 552 Isakuba 553 Mwakumbi 554 Mwakumbo 555 Mwakumbo 556 Nabe	3180	2	Total 2 (The project is under construction)	Diesel Well Pump	638	Deepwell	4.70713	33.44042	Iponembo	2007	90	Diesel Well pump	na	2008	na	na	Cylindrical	na	UC	UC	UC	na	na	na	na	na	na	na	na				
gPW11	Iringa	Ziba	Ziba	628 Buisau 629 Igulla 630 Igulla 634 Lugungombe	1760	1	Total=5 Function=3 Unfunction=2	Electrical Submersible Pump	176	Deep well	4.25573	33.41189	Bulyambuli	2004	na	Electrical Submersible pump	na	na	12	na	Cylindrical	na	F	Buisau 1PWP for 800 people Igulla 3PWP for 800 people Inamukilo 1PWP Lugungombe 1PWP	F	Yes	na	na	na	na	na	na					
NZPW01	Nzega	Bukene	Bukene	19 Mwarobai 18 Mporobani 20 Mwaroze 13 Bukene 16 Mporogo	na	1	Total 0 Function=0 Unfunction=0	Diesel Well Pump Gravel and	na	Deep well	4.22015	32.87888	Mwarobai	1990	na	na	na	na	1990	na	Cylindrical	na	UF	na	UF	na	Yes	na	na	na	na	na	na				
NZPW02	Nzega	Isibo	Isibo	178 Isibo-Kali	na	1	Total 5 Function=0 Unfunction=5	Ground Centrifugal Pump	na	Dam	4.17073	33.03577	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na				
NZPW03	Nzega	Lusu	Mwalukwilo	313 Mwalukwilo	na	1	Total 5 Function=0 Unfunction=5	Diesel Well Pump	na	Deep Well	4.0281	33.22036	Mwalukwilo	1990	na	na	na	na	na	na	Cylindrical	6	UF	na	UF	na	Yes	na	na	na	na	na	na	na			
NZPW04	Nzega	Mwampoge	Champulu	621 Champulu	na	1	Total 0 Function=0 Unfunction=0	Ground Centrifugal Pump	na	Unprotected Spring	4.08107	33.09959	na	na	na	na	na	na	na	na	Cylindrical	na	F	Chumoutu 10PWP	UF	na	na	na	na	na	na	na	na	na	na		

既存給水施設リスト (管路給水)

		General Information										GPS Coordinates (Map Datum: Arc 1986)			Well Information			Motorized Pump Information				Water Tank Information			Public Water Points (PVPs) Information				Operating Status of PWS				Water Quality on the Field						
No. of Field Supply Station	District	Ward	Village / Street	Convent / Sub-Village / Streets	Water Supply Population	No. of Water Source	Total Number of Functioning and Non-Functioning of Public Water Points	Pumping System	Daily Consumption (m ³ /day)	Water Source Type	Lat.	Lon.	Sub-Village / Street	Drilling Year	Depth (m)	Type of Motorized Pump	Power (kW)	Installation Year	Operation Hour/day	Capacity of Tank (m ³)	Shape of Tank	Height of Tank (m)	Status of Tank	Number of Motorized Pumps	Function	Does the PWS have a spare pump?	Do/Did the PWS have a spare pump (abandoned)?	Status of PWS	Number of Motorized Pumps in each Sub-Village / Street	Temp. (°C)	Taste	Colour	pH	Fluoride (mg/L)	EC (µS/cm)				
NZPW05	Nzega	Mnzawa	Mbaywa	730 Lukoreka	6700	1	Total=2 Function=0 Unfunction=2	Ground Centrifugal Pump	system not functioning	Dam	4.54238	33.18391	na	na	na	no motor	no pump no motor	na	na	A	170	Cylindrical	6	F	2	Total=2 Function=0 Unfunction=2	yes	yes	na	na	na	na	na	na	na	na			
NZPW05	Nzega	Mnzawa	Ngulumo	741 Ngulumo A	5800	1	Total=4 Function=0 Unfunction=4	Ground Centrifugal Pump	system not functioning	Dam	4.54238	33.18391	na	na	na	no motor	no pump no motor	na	na	A	150	Cylindrical	7	F	1	Total=4 Function=0 Unfunction=4	yes	yes	na	na	na	na	na	na	na	na			
NZPW06	Nzega	Mnzawa	Mnzawa	751 Mnzawa D, Mbaywa A	na	1	Total=2 Function=0 Unfunction=2	na	na	Dam	4.57333	33.16158	na	na	na	na	na	na	1971	na	30	Cylindrical	6	A	1	Total=2 Function=0 Unfunction=2	na	na	na	na	na	na	na	na	na	na			
NZPW06	Nzega	Mnzawa	Mnzawa	751 Mnzawa D, Mbaywa A	na	1	Total=0 Function=0 Unfunction=0	na	na	Dam	4.57333	33.16158	na	na	na	na	na	na	na	1971	na	15	Cylindrical	6	A	1	Total=0 Function=0 Unfunction=0	na	na	na	na	na	na	na	na	na	na		
NZPW07	Nzega	Nzega Mimi	Nzega Mimi	761 Hambo 779 Mbaywa 774 Mbaywa 778 Nyasa Keli Magumbi 779 Nyasa Keli Magumbi 781 Nzega Keli 782 Nzega Mbaywa 783 Swahili Magumbi 784 Swahili Mbaywa	3450	2	Total=22 Function=0 Unfunction=0	Electrical Centrifugal Pump	na	Dam	4.19353	33.23325	na	na	na	na	na	na	11	2000	8	258	Rectangle	6	F	22	Total=22 Function=0 Unfunction=0	yes	yes	na	na	na	na	na	na	na	na		
NZPW07	Nzega	Nzega Mimi	Nzega Mimi	761 Hambo 769 Mbaywa 771 Mbaywa 774 Mbaywa 778 Nyasa Keli Magumbi 779 Nyasa Keli Magumbi 781 Nzega Keli 782 Nzega Mbaywa 783 Swahili Magumbi 784 Swahili Mbaywa	3450	2	Total=22 Function=0 Unfunction=0	Electrical Centrifugal Pump	na	Dam	4.1951	33.17733	na	na	na	na	na	na	11	2000	8	38	panel	4.5	F	22	Total=22 Function=0 Unfunction=0	yes	yes	na	na	na	na	na	na	na	na	na	na
NZPW07	Nzega	Nzega Mimi	Nzega Mimi	761 Hambo 769 Mbaywa 771 Mbaywa 774 Mbaywa 778 Nyasa Keli Magumbi 779 Nyasa Keli Magumbi 781 Nzega Keli 782 Nzega Mbaywa 783 Swahili Magumbi 784 Swahili Mbaywa	3450	2	Total=22 Function=0 Unfunction=0	Electrical Centrifugal Pump	na	Dam	4.1951	33.17733	na	na	na	na	na	na	11	2000	8	170	Cylindrical	6	F	22	Total=22 Function=0 Unfunction=0	yes	yes	na	na	na	na	na	na	na	na	na	na
NZPW07	Nzega	Nzega Mimi	Nzega Mimi	761 Hambo 769 Mbaywa 771 Mbaywa 774 Mbaywa 778 Nyasa Keli Magumbi 779 Nyasa Keli Magumbi 781 Nzega Keli 782 Nzega Mbaywa 783 Swahili Magumbi 784 Swahili Mbaywa	3450	2	Total=22 Function=0 Unfunction=0	Electrical Centrifugal Pump	na	Dam	4.1951	33.17733	na	na	na	na	na	na	11	2000	8	70	panel	4.5	F	22	Total=22 Function=0 Unfunction=0	yes	yes	na	na	na	na	na	na	na	na	na	na
NZPW08	Nzega	Nzega Mbaywa	Zogolo	804 Jemgelo	na	1	Total=7 Function=0 Unfunction=7	Diesel Well Pump	na	Deep Well	4.08333	33.13844	na	1980	na	no motor	no pump no motor	na	na	na	137	Cylindrical	5	F	7	Total=7 Function=0 Unfunction=7	no	no	na	na	na	na	na	na	na	na	na	na	

既存給水施設リスト (管路給水)

General Information										GPS Coordinates (Map Datum: Arc 1980)				Well Information			Motorized Pump Information				Water Tank Information				Public Water Points (PVPs) Information				Operating Status of PWSS				Water Quality on the Field			
No. of Field Supply Scheme	District	Ward	Village / Street	Convent / Sub-Village / Streets	Water Supply Population	No. of Water Source	Total Number of Functioning (Number of Public Water Points)	Pumping System	Daily Consumption (m ³ /day)	Water Source Type	Lat.	Lon.	Sub-Village / Street	Dilling Year	Depth (m)	Type of Motorized Pump	Power (kW)	Installation Year	Operation Hour / day	Status of Tank	Capacity of Tank (m ³)	Shape of Tank	Radius of Tank (m)	Status of Tank	Number of PVPs and Sub-Village / Street	Status of PWSS	Do/Die the PWSS (alteration)	Does the PWSS (alteration)	Temp (°C)	pH	Fluoride (mg/L)	EC (µS/cm)				
NZPW09	Nzega	Ukwegu	Mwambala	663 Mwambala 'A'	na	1	Total=5 Function=5	Ground Centrifugal Pump	na	Dam	4.3342	33.14645	na	na	na	na	na	na	na	UF	27	Cylindrical	7	A	Mwambala A SPWP	UF	no	Yes	na	na	na	na				
NZPW09	Nzega	Ukwegu	Mwambala	663 Mwambala 'A'	na	1	Total=5 Function=5	Ground Centrifugal Pump	na	Dam	4.3342	33.14645	na	na	na	na	na	na	na	UF	20	Panel	6.5	A	Mwambala A SPWP	UF	no	Yes	na	na	na	na				
NZPW09	Nzega	Ukwegu	Mwambala	663 Mwambala 'A'	na	1	Total=5 Function=5	Ground Centrifugal Pump	na	Dam	4.3342	33.14645	na	na	na	na	na	na	na	UF	27	Cylindrical	6	A	Mwambala A SPWP	UF	no	Yes	na	na	na	na				
SKPW01	Sikongo	Ipoie	Ukongu	59 Ukongu/Kambazi 60 Ukongu/Makank	633	1	Total=4 Function=2	Diesel Well Pump	na	Protected Spring	5.7675	32.716	na	na	na	Lister petrol	8.6	2007	6	F	na	Cylindrical	na	F	Makazi (PWP)	F	No	Yes	Clear	Tasteless	26.9	5.19	0.06	9.4		
SKPW01	Sikongo	Ipoie	Makazi	52 Makazi	na	1	Total=5 Function=4	Diesel Well Pump	na	Protected Spring	5.7675	32.716	na	na	na	Lister petrol	8.6	2007	6	F	na	Cylindrical	na	F	Makazi (PWP)	F	No	Yes	Clear	Tasteless	26.9	5.19	0.06	9.4		
SKPW01	Sikongo	Ipoie	Ipoie	45 Ipoie/Kademi 47 Ipoie/Kurini 48 Ipoie/Mankhiki	2689	1	Total=11 Function=0	Diesel Well Pump	na	Protected Spring	5.7675	32.716	na	na	na	Lister petrol	8.6	2007	6	F	na	Cylindrical	na	F	11PWP for UFW- na people/na	F	Yes	Yes	Clear	Tasteless	26.9	5.19	0.06	9.4		
SKPW02	Sikongo	Kianga	Ukaramoyo	92 Mkoa 93 Ukwega 94 Ukaramoyo	na	1	Total=3 Function=5	Diesel Well Pump	na	DAM	5.8438	32.8613	na	na	na	Lister petrol	na	1975	na	na	11.5	Cylindrical	12	UF	SPWP for Songambe Mankaja Tuleli	AB	na	na	Reddish	Salty	29.2	8.12	0.11	9.93		
SKPW02	Sikongo	Kianga	Lemeli	85 Iyamba 86 Iyamba 87 Mbono/Mkya	na	1	Total=5 Function=5	Diesel Well Pump	na	DAM	5.8438	32.8613	na	na	na	Lister petrol	na	1975	na	na	11.5	Cylindrical	12	UF	SPWP for Mankaja Tuleli Mbono mpya Menga people/na	AB	na	na	Reddish	Salty	29.2	8.12	0.11	9.93		
SKPW02	Sikongo	Kianga	Mankaja	73 Mankaja 74 Songambe 75 Tuleli	na	1	Total=3 Function=5	Diesel Well Pump	na	DAM	5.8438	32.8613	na	na	na	Lister petrol	na	1975	na	na	11.5	Cylindrical	12	UF	SPWP for Songambe Mankaja Tuleli	AB	na	na	Reddish	Salty	29.2	8.12	0.11	9.93		

既存給水施設リスト (管路給水)

District	Ward	Village / Street	Covered Sub-Village / Streets	Water Supply Population	No. of Water Sources	Total Number of Functioning of Public Water Pumps	Pumping System	Daily Consumption (m ³ /day)	Water Source Type	Lat.	Lon.	Sub-village / Street	Dating Year	Dating Depth (m)	Type of Motorized Pump	Power (kW)	Installation Year	Operation Hours / day	Status of Tank	Capacity of Tank (m ³)	Shape of Tank	Envelope of Tank (m)	Shallow	Number of Pumps and Supply Population in each Sub-Village / Street	Status of PWSB	Do/Did the PWSB remain?	Does PWSB operator?	Color	Taste	Temp (C)	pH	Fluoride (mg/L)	EC (mS/m)	
Sionge	Kicheh	Kanyamanga	64 Kanyamanga Bondeni 65 Kanyamanga Miman 66 Kanyamanga Maweni B 67 Maweni B	na	1	Total=5 Function=0 Unfunction=5	Direct Well Pump	na	Dam	3.9435	32.9813	na	na	na	Lisbet petrol	na	1975	na	na	11.5	Cylindrical	12	UF	5PWP for Kanyamanga Bondeni Kanyamanga Miman Maweni B Maweni A	AB	na	na	na	Reddish	Salty	29.2	8.12	0.11	9.93
Sionge	Kicheh	Kicheh	68 Inara 69 Kicheh A 70 Kicheh B 71 Langwa	na	1	Total=5 Function=5 Unfunction=0	Direct Well Pump	na	Dam	3.9435	32.9813	na	na	na	Lisbet petrol	na	1975	na	na	11.5	Cylindrical	12	UF	5PWP for Inara Kicheh A Kicheh B Langwa people=na	AB	na	na	na	Reddish	Salty	29.2	8.12	0.11	9.93
Sionge	Kipanga	Kipanga	82 Inalimola 83 Mopondema 84 Makuu	na	1	Total=5 Function=0 Unfunction=5	Direct Well Pump	na	Dam	3.9435	32.9813	na	na	na	Lisbet petrol	na	1975	na	na	11.5	Cylindrical	12	UF	5PWP for Inalimola Mopondema Makuu	AB	na	na	na	Reddish	Salty	29.2	8.12	0.11	9.93
Sionge	Kipanga	Uwanga	107 Kikombe 102 Mawundulu	na	1	Total=2 Function=2 Unfunction=0	Direct Well Pump	na	Dam	5.7849	32.9448	Mawundulu	na	na	Lisbet petrol	na	1977	na	A	11.5	Cylindrical	12	UF	2PWP Makumbulo people=na	AB	na	na	na	na	na	na	na	na	na
Sionge	Sionge	Sionge	105 Bunguludu 183 Makuri 184 Mazinge 185 Mbirani 186 Sionge Mission 187 Uwanga 188 Uwanga 189 Uggie 190 Uggie A	3000	2	Total=19 Function=19 Unfunction=0	Electrical Submersible Pump	na	Shallow well	5.6743	32.9274	Mbirani	1986	na	Diesel well pump	na	1986	na	UF	125	Circular	na	F	19PWP SK SS-0183 SK SS-0186 SK SS-0187 SK SS-0185 19PWP for Sionge Mission, Uwanga, Mbirani, Ullwensimba, Uggie, Uggie A, Uggie B, Madakani & Uggie A	F	No	Yes	na	na	na	na	na	na	
Sionge	Sionge	Sionge	180 Bunguludu 183 Makuri 184 Mazinge 185 Mbirani 186 Sionge Mission 187 Uwanga 188 Uwanga 189 Uggie 190 Uggie A	3000	2	Total=19 Function=19 Unfunction=0	Electrical Submersible Pump	na	Dam	5.6715	32.9161	Mbirani	na	na	Lisbet petrol	5.64	2009	14	F	125	Circular	na	F	19PWP SK SS-0183 SK SS-0186 SK SS-0187 SK SS-0185 19PWP for Sionge Mission, Uwanga, Mbirani, Ullwensimba, Uggie, Uggie A, Uggie B, Madakani & Uggie A	F	No	Yes	Clear	Salty	25.4	6	0.15	41	
Tabora Rural	Gwako	Nobbo	33 Sindi 44 Changombe	na	1	na	Direct Well Pump	na	Deep well	3.3584	33.14371	Kinila	1978	na	Diesel	na	1978	na	UF	na	Cylindrical	na	UF	3PWP	UF	na	Yes	na	na	na	na	na	na	na
Tabora Rural	Igalia	Igalia	74 Barazini 75 Igalia Shiheni 77 Masanga	13100	1	Total=9 Function=7 Unfunction=2	Direct Well Pump	50	Dam	5.19729	33.01752	kenetu	na	na	Diesel	na	1968	12	F	50	Cylindrical	na	F	8PWP	F	Yes	Yes	milky tasteless	30.1	7.3	0.4	6.69		
Tabora Rural	Igalia	Igalia	78 Igalia 79 Kigamboni 80 Uggie	na	1	Total=8 Function=6 Unfunction=2	Direct Well Pump	na	Deep well	3.34668	33.94263	Kigamboni	1978	na	na	na	na	na	UF	na	Circular	na	UF	na	UF	na	No	na	na	na	na	na	na	na

既存給水施設リスト (管路給水)

General Information										GPS Coordinates (Map Datum: Arc 1980)				Well Information				Motorized Pump Information				Water Tank Information				Public Water Points (PVPs) Information				Operating Status of PWSS				Water Quality on the Field			
No. of Field	District	Ward	Village / Street	Connected Sub-Village / Streets	Water Supply Population	No. of Water Source	Total Number of Functioning (F) Number of Malfunctioning (M) Number of Public Water Points	Pumping System	Daily Consumption (m ³ /day)	Water Source Type	Lat.	Lon.	Sub-Village / Street	Drilling Year	Depth (m)	Type of Motorized Pump	Power (kW)	Installation Year	Operation Hour / day	Capacity of Tank (m ³)	Shape of Tank	Radius of Tank (m)	Height of Tank (m)	Status of PWSS	Number of VPs and Sub-Village / Street	Do/Did the PWSS (malfunction) operate?	Does the PWSS (malfunction) operate?	Temp (°C)	Taste	Colour	EC (µS/cm)	pH	Fluoride (mg/L)				
TRPW-04	Tabara Rural	Iguala	Kgwa 6	32 Malungo	na	1	na	na	na	Deep well	5.12774	33.11905	na	na	na	na	na	na	na	na	na	na	na	F	na	na	na	na	na	na	na	na	na	na			
TRPW-05	Tabara Rural	Idangulu	Idangulu	137 Idangulu Mjin	na	2	Total=0 Function=0 Unfunction=0	Electrical Submersible Pump	na	Shallow well	5.10259	32.63795	Idangulu sena	1954	6	Electrical	na	1954	13	25	Cylindrical	na	na	UF	1PWP	na	Yes	na	23.9	na	Clear	0.8	5.57	13.55			
TRPW-06	Tabara Rural	Idangulu	Idangulu	137 Idangulu Mjin	na	2	Total=0 Function=0 Unfunction=0	Electrical Submersible Pump	na	Deep well	5.10259	32.63798	Idangulu sena	1954	40	Diesel	na	1955	13	25	Cylindrical	na	na	UF	1PWP	na	Yes	na	na	na	na	na	na	na			
TRPW-08	Tabara Rural	Kzeng	Tura	227 Bawani 229 Mchiza 230 Tura Kati	na	1	Total=0 Function=0 Unfunction=0	Ground Centrifugal Pump	na	Dam	5.52701	33.83236	na	na	na	na	na	na	na	na	na	na	na	UF	9PWP UF-9	No	No	na	na	na	na	na	na	na			
TRPW-07	Tabara Rural	Idakwa	Idakwa	175 Akimo	na	1	na	na	na	Protected Spring	4.94682	33.10584	Azimo	na	na	na	na	na	na	na	na	na	na	UC	na	na	na	Milky	na	na	na	na	na	150			
TRPW-09	Tabara Rural	Kzeng	Kzeng	203 Kzeng Sena	na	1	Total=0 Function=0 Unfunction=0	Diesel Well Pump	na	Dam	5.32774	33.58583	na	na	na	na	na	na	na	na	na	na	na	UF	5PWP Kzeng Sena AN UF	no	no	na	na	na	na	na	na	na	na		
TRPW-09	Tabara Rural	Mubana	Mubana	na	na	1	Total=0 Function=0 Unfunction=0	na	na	Unprotected Spring	5.11928	32.52335	na	na	na	na	na	na	na	na	na	na	na	UF	1PWP	na	na	na	na	na	na	na	na	na	na		
TRPW-10	Tabara Rural	Nosoro	Tulleri	377 Vumila	na	1	Total=0 Function=0 Unfunction=0	na	na	Unprotected Spring	5.05231	32.44873	Vumila	na	na	na	na	na	na	na	na	na	na	UF	TRSS-0377	no	no	na	na	na	na	na	na	na	na	na	
TRPW-11	Tabara Rural	Ubope	Ubope	447 Ubope A	722	1	Total=7 Function=3 Unfunction=4	Diesel Well Pump	na	Shallow well	4.91431	32.87912	Ubope A	na	na	Diesel Well pump	na	na	24	na	Cylindrical	na	na	F	3PWP Ubope A F=1 UF=3 people=3000	NO	Yes	Milky	24.8	Salty	Milky	6.2	0.78	16.2			

既存給水施設リスト (管路給水)

		General Information										GPS Coordinates (MapData: Arc 100)				Well Information				Motorized Pump Information				Water Tank Information				Public Water Points (PWP) Information				Operating Status of PWSS				Water Quality on the Field			
No of Field Water Supply PWP	Direct	Ward	Village / Street	Sub-Village / Streets	Water Supply Population	No. of Water Source	Total Number of Functioning (F) Number of Unfunctioning (U) Number of Public Water Points	Pumping System	Daily Consumption (m ³ /day)	Water Source Type	Latitude	Longitude	Sub-Village / Street	Drilling Year (m)	Depth (m)	Type of Motorized Pump	Power (kW)	Installation Year	Operation Hours/day	Status of Tank	Capacity of Tank (m ³)	Shape of Tank	Height of Tank (m)	Status of Tank	Number of PWP and Sub-Village / Street	Status of PWSS	Drinking Water Abstracted?	Does PWSS have a standpipe?	Colour	Taste	Temp (°C)	pH	Roadside (mg/L)	EC (µmho)					
TUPW-01	Tabora Urban	Kakaba	Kakaba	40 Kakaba 42 Ulananta	1880 500	2	Total=14 Function=0 Unfunction=4	Diesel Well Pump	na	Protected Spring	4.8974	32.7253	Kakaba	na	na	Diesel pump	na	1988	na	UF	na	Cylindrical	na	UF	5PWP for 1800 people 5PWP Ulananta for 500 people	Yes	No	na	na	na	na	na	na	na					
TUPW-02	Tabora Urban	Kakaba	Kakaba	40 Kakaba 42 Ulananta	1880 500	2	Total=14 Function=0 Unfunction=4	Diesel Well Pump	na	Protected Spring	4.8966	32.7368	Ulananta	1988	na	Diesel Pump	na	1988	na	Stole n	na	Cylindrical	na	UF	5PWP for 1800 people 5PWP Ulananta for 500 people	Yes	No	na	na	na	na	na	na	na					
TUPW-03	Tabora Urban	Mihha	Igarito	54 Igarito/Kali	450	1	Total=2 Unfunction=2	Electrical Centrifugal Pump	4500	Dam	4.8979	32.7154	na	na	na	Electrical	na	1964	24	F	na	Cylindrical	na	UF	na	F	na	Yes	Clear	tastless	28.4	6.7	0.43	10.44					
TUPW-04	Tabora Urban	Mihha	Iraga	58 Iragi 63 Mabarano	na	1	na	Electrical Submersible Pump	na	Dam	4.8979	32.7154	na	na	na	Electrical	na	1964	24	F	na	Cylindrical	na	UF	na	F	na	Yes	Clear	tastless	28.4	6.7	0.43	10.44					
TUPW-05	Tabora Urban	Mihha	Maha	24 Maha/Kali	50	1	Total=3 Function=0 Unfunction=3	Electrical Submersible Pump	250	Dam	4.8979	32.7154	na	na	na	Electrical	na	1964	24	F	na	Cylindrical	na	UF	3PWP UF=3	Yes	No	Clear	tastless	28.4	6.7	0.43	10.44						
UPW-01	Urambo	Ichema	Ichema	1 Ichema 2 Ulananta 3 Ngigala	na	1	Total=13 Function=0 Unfunction=13	Diesel Well Pump	na	Stream/River	4.7929	32.3872	na	na	na	na	na	na	1974	na	Stole n	174	Cylindrical	na	UF	na	na	no	na	na	na	na	na	na	na				
UPW-02	Urambo	Ipagala	Wichwasemo	24 Igarito/Kali 25 Kazana Ulananta	na	1	na	Diesel Well Pump	na	Charcoal dam	4.9335	31.5343	Tulemi	1978	na	Diesel pump	na	na	na	Stole n	na	Cylindrical	na	UF	na	na	no	na	na	na	na	na	na	na					
UPW-03	Urambo	Ipagala	Kazana Ulananta	35 Ulananta 45 Wachwasemo	1336	1	15	Diesel Well Pump	267	Charcoal dam	4.9336	31.5343	Tulemi	1978	na	Diesel pump	na	na	na	Stole n	na	Cylindrical	na	UF	8PWP Kazana Ulananta 7PWP Igarito/Kali	Yes	no	na	na	na	na	na	na	na					
UPW-04	Urambo	Ipagala	Muhaja	31 Igarita No. 4 32 Igarita No. 5 33 Igarita No. 6	6500	1	Total=7 Function=0 Unfunction=7	Diesel Well Pump	1300	Deep well	4.9247	31.6836	Tulemi	1978	na	Diesel pump	na	na	na	UF	na	Cylindrical	na	UF	na	na	Yes	Yes	na	na	na	na	na	na					

既存給水施設リスト (管路給水)

No of Public Water Supply Pumps	District	Ward	Village / Sub-Village / Street	Catchment Area (km ²)	Water Supply Population	No of Water Supply Source	General Information		GPS Coordinates (MapData: Arc 100)				Well Information			Motorized Pump Information				Water Tank Information				Public Water Points (PWP) Information				Water Quality on the Field							
							Total Number of Functioning Pumps and Number of Public Water Points	Functioning System	Daily Consumption (m ³ /day)	Water Source Type	Latitude	Longitude	Sub-Village / Street	Dilling Year (m)	Drilling Year (m)	Type of Motorized Pump	Power (kW)	Installation Year	Operation Hours / day	Status of Tank	Capacity of Tank (m ³)	Shape of Tank	Height of Tank (m)	Status of Tank	Number of PWP and Supply Population in each Sub-Village / Street	Status of PWS	Div / Dist of the area abstracted?	Does PWS abstracted?	Colour	Taste	Temp (°C)	pH	Rustide (mg/L)	EC (µmho)	
UPRW-04	Urambo	Iyagala	Mwaga	27 Kungu 28 Mwaga	1200	1	Total 1 Function=0 Unfunctioned	Diesel Well Pump	420	Charo dam	4.97158	-31.683	Mwaga	1979	na	Diesel pump	na	na	na	UF	na	Cylindrical	na	UF	32PWP Mwaga 3PWP Kungu	UF	NO	Yes	na	na	na	na	na	na	na
UPRW-04	Urambo	Iyagala	Kamsaka	22 Kamwava 23 Kikon	3000	1	na	Diesel Well Pump	1050	na	na	na	na	na	na	na	na	na	na	UF	na	Cylindrical	na	UF	3PWP Kibishi 3PWP Kamwava	UF	no	Yes	na	na	na	na	na	na	
UPRW-05	Urambo	Kilua	Kilua Magharibi	84 Mwendoo 85 Mandala 86 Mwaga	7600	1	Total=5 Function=0 Unfunctioned	Electrical Submersible Pump and Diesel Well Pump	10000	Charo dam	5.05822	-31.75615	Mandala	na	na	Diesel well pump and Electrical pump	na	na	na	UF	na	Cylindrical	na	F	Total=6	UF	Yes	Yes	na	na	na	na	na	na	na
UPRW-05	Urambo	Kilua	Kilua Mashariki	84 Mwendoo 85 Mwaga 87 Uviga	5017	1	Total=5 Function=0 Unfunctioned	Electrical Submersible Pump and Diesel Well Pump	1000	Charo dam	5.05822	-31.75615	Mandala	na	na	Diesel well pump and Electrical pump	na	na	na	UF	na	Cylindrical	na	F	na	UF	Yes	Yes	na	na	na	na	na	na	na
UPRW-06	Urambo	Kashishi	Kashishi	128 Ujundu 124 Kungu 127 Uviga	8605	1	Total=23 Function=0 Unfunctioned	Diesel Well Pump	1760	Protected Spring	4.38622	-32.38776	Tozona	na	na	Diesel pump	22.6	na	1.04	F	na	Cylindrical	na	F	Total=24 1PWP Ujundu 2PWP Uviga 10PWP Kashishi 10PWP Kashishi 10PWP Kashishi Magharibi	F	Yes	Yes	Turbid	Tasteless	25.5	5.7	0.12	73.6	
UPRW-06	Urambo	Kashishi	Kashishi	128 Ujundu 124 Kungu 127 Uviga	8605	1	Total=23 Function=0 Unfunctioned	Diesel Well Pump	1760	Protected Spring	4.38622	-32.38776	Tozona	na	na	Diesel pump	22.6	na	1.04	F	na	Cylindrical	na	F	Total=24 1PWP Ujundu 2PWP Uviga 10PWP Kashishi 10PWP Kashishi 10PWP Kashishi Magharibi	F	Yes	Yes	Turbid	Tasteless	25.5	5.7	0.12	73.6	
UPRW-07	Urambo	Kazaroto	Iyali	160 Malampaka 161 Twende paroko	na	1	Total=0 Function=0 Unfunctioned	Diesel Well Pump	na	Drip well	4.844	-31.88461	Imamwaka	na	na	Diesel pump	na	na	na	UF	na	Cylindrical	na	F	4PWP Twendesamaja 2PWP Imarampaka	UF	Yes	Yes	na	na	na	na	na	na	na
UPRW-08	Urambo	Kazaroto	Kazaroto	157 Kazaroto Mashariki 166 Kazaroto Magharibi	na	1	Total=13 Function=0 Unfunctioned	Diesel Well Pump	na	Drip well	4.88979	-31.68503	Kazaroto Mashariki	na	na	Diesel pump	na	na	na	UF	na	Cylindrical	na	F	na	UF	VWC	no	na	na	na	na	na	na	na
UPRW-09	Urambo	Songambete	Songambete	244 F. m 245 Mazingo 246 Uviga	na	1	na	Diesel Well Pump	na	Drip well	4.91216	-32.13364	Twentyfour	1982	65	na	na	na	na	na	Cylindrical	8	UF	na	UF	Yes	Yes	Clear	Tasteless	25.9	6.09	0.14	5.61		

既存給水施設リスト (管路給水)

No of Bored Well Supply Pumps (BWP)	District	Ward	Village / Street	General Information										GPS Coordinates (MapData: Arc 100)				Well Information						Motorized Pump Information						Water Tank Information				Public Water Points (PWP) Information				Operating Status of PWSS				Water Quality on the Field			
				Water Supply Population	Water Sundry Source	Use of Water Source	Total Number of Functioning (F) Number of Unfunctioning (U) of Public Water Points	Pumping System	Daily Consumption (m ³ /day)	Water Source Type	Latitude	Longitude	SubVillage / Street	Drilling Year	Drilling Depth (m)	Type of Motorized Pump	Power (kW)	Installation Year	Operation Hours / day	Status of Tank	Capacity of Tank (m ³)	Shape of Tank	Depth of Tank (m)	Status of Tank	Number of PWP and Sub-Village / Street	Status of PWSS	Div / Dist. of the PWSS abstract?	Does PWSS have a meter?	Temp (C)	pH	Rurdide (mg/L)	EC (µmho)													
UPRW-14	Urambo	Urambo	Urambo Maghazini	na	5	na	Diesel Well Pump	na	na	Deep well	5.09453	32.07133	Back O	1997	na	1997	na	F	na	Rectangular	na	F	Back O (Hospital User)	F	no	Yes	Clear	Slightly Salty	23.7	7.08	0.33	58													
UPRW-14	Urambo	Urambo	Urambo Maghazini	na	5	na	Diesel Well Pump	na	na	Deep well	5.08819	32.07131	Mhangu Mame	1975	na	1975	24	F	na	Cylindrical	na	F	na	no	no	Clear	Slightly Salty	23.7	7.08	0.33	58														
UPRW-14	Urambo	Urambo	Urambo Mahahiki	na	5	na	Diesel Well Pump	na	na	Deep well	5.09789	32.0719	Simoni	1975	na	1975	24	A	na	Cylindrical	na	F	na	no	no	na	na	na	na	na	na	na													
UPRW-15	Urambo	Urambo	Urambo	885	1	Total 4 Functions=0 Unfunctioning=0	Diesel Well Pump	905	na	Unprotected Spring	5.10029	32.23132	Usuya Kati	na	na	na	F	5	Cylindrical	na	F	4PWP Usuya Kati 885 people	F	Yes	Yes	Milky	Tasteless	24.4	6.2	0.09	12.4														
UPRW-15	Urambo	Urambo	Urambo	885	1	Total 4 Functions=0 Unfunctioning=0	Diesel Well Pump	905	na	Unprotected Spring	5.10029	32.23132	Usuya Kati	na	na	na	F	6	Cylindrical	na	F	4PWP Usuya Kati 885 people	F	Yes	Yes	Milky	Tasteless	24.4	6.2	0.09	12.4														
UPRW-16	Urambo	Urambo	Urambo	na	2	Total 12 Functions=0 Unfunctioning=12	Diesel Well Pump	na	na	Unprotected Spring	5.09688	32.32936	Kakazini	na	na	na	UF	na	Cylindrical	na	UF	Kakazini=2PWP Mahahiki=2PWP Maghazini=2PWP Kati=2PWP	UF	No	No	na	na	na	na	na	na	na													
UPRW-16	Urambo	Urambo	Urambo	na	2	Total 12 Functions=0 Unfunctioning=12	Diesel Well Pump	na	na	Unprotected Spring	5.0967	32.32931	Kakazini	na	na	na	UF	na	Cylindrical	na	UF	Kakazini=2PWP Mahahiki=2PWP Maghazini=2PWP Kati=2PWP	UF	No	No	na	na	na	na	na	na	na	na												
UPRW-17	Urambo	Urambo	Urambo	na	1	Total 2 Functions=0 Unfunctioning=2	Diesel Well Pump	na	na	Deep well	5.10125	32.33014	Sokoni	na	na	na	F	na	na	na	na	2PWP Sokoni	F	Yes	Yes	Clear	Tasteless	27.4	6.1	0.05	33														
UPRW-18	Urambo	Urambo	Urambo	5000	2	na	na	na	na	Stream/River	5.07195	32.08005	na	na	na	1974	0	Stolen	17.4	Cylindrical	na	UF	na	no	no	na	na	na	na	na	na	na													

既存給水施設リスト (管路給水)

		General Information										GPS Coordinates (MapData: Arc 100)					Well Information					Motorized Pump Information					Water Tank Information				Public Water Points (PVPs) Information				Operating Status of PWS				Water Quality on the Field			
No. of Field Water Supply (PWP)	Direct	Ward	Village / Street	Community / Sub-Village / Streets	Water Supply Population	No. of Water Source	Total Number of Functioning (F) Number of Public Water Points	Pumping System	Daily Consumption (m ³ /day)	Water Source Type	Latitude	Longitude	Sub-Village / Street	Drilling Year	Depth (m)	Type of Motorized Pump	Power (kW)	Installation Year	Operation Hours / day	Status of Tank	Capacity of Tank (m ³)	Shape of Tank	Height of Tank (m)	Material of Tank	Status of PWS	Do / Did the pipe materials?	Does PWS work regularly?	Number of PVPs and Supply Population in each Sub-Village / Street	Status of PWS	Do / Did the pipe materials?	Does PWS work regularly?	Colour	Taste	Temp (°C)	pH	Residue (mg/L)	EC (µmho)					
UPW18	Uyombo	Uyombo	Uhinaini	438 Mchiruzi 437 Mchiri 438 Uyoa	5000	2	na	na	na	Deep Well	4.52367	31.38634	Sawana	1992	120	na	na	na	na	UJF	174	Cylindrical	na	UJF	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na		
UPW19	Uyombo	Uyombo	Uasemimiri	455 Mchiro 454 Mchiro 464 Mchiri	1398	1	na	Diesel Well Pump	625	Dam	5.1637	32.39537	Miambo	na	na	Diesel	na	na	2	F	na	Cylindrical	na	F	Yes	Yes	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	

データ集 C
水質分析結果

簡易水質試験(ハンドポンプ)イガンガ果 (1/1)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-8	Igunga	Chabutwa	Majengo	Imalanguzu	20-Oct-09	Shallow well	4.60468	33.43599	1223	Milky	Tasteless	26.3	6.4	0.500	14.90
HP-9	Igunga	Chabutwa	Majengo	Imalanguzu	20-Oct-09	Shallow well	4.59217	33.44124	1222	Milky	Tasteless	25.0	6.0	0.400	18.00
HP-11	Igunga	Chabutwa	Majengo	Majengo	20-Oct-09	Shallow well	4.60693	33.44216	1226	Milky	Tasteless	27.3	6.3	1.100	16.50
HP-13	Igunga	Chabutwa	Majengo	Mhimbili	20-Oct-09	Shallow well	4.61581	33.4487	1233	Milky	Tasteless	27.0	5.9	0.300	5.10
HP-21	Igunga	Igoweko	Uswaya	Mwakadale	20-Oct-09	Deep well	4.71163	33.52151	1239	Clear	Salty	27.3	5.9	0.240	22.60
HP-22	Igunga	Igoweko	Uswaya	Mwakadale	20-Oct-09	Deep well	4.70401	33.51944	1236	Clear	Salty	27.2	6.4	0.700	33.00
HP-24	Igunga	Igoweko	Uswaya	Mwakunaha	20-Oct-09	Deep well	4.6747	33.52219	1223	Clear	Salty	26.7	6.9	2.300	77.80
HP-25	Igunga	Igoweko	Uswaya	Uswaya	20-Oct-09	Deep well	4.69008	33.50302	1226	Clear	Salty	27.3	6.6	2.300	149.40
HP-29	Igunga	Igunga	Iugilo	Nkokoto	22-Oct-09	Shallow Well	4.28282	33.8821	1085	Colourless	Tasteless	24.6	8.3	4.300	28.80
HP-32	Igunga	Igunga	Makomero	Magharibi	21-Oct-09	Deep well	4.2998	33.98211	1053	Colourless	Little salty	26.7	7.6	1.200	70.00
HP-38	Igunga	Itumba	Itumba	Mhamammola	21-Oct-09	Deep well	4.60206	33.80802	1089	Clear	Salty	26.2	6.8	2.000	239.00
HP-39	Igunga	Itumba	Lugubu	Lugubu	21-Oct-09	Shallow well	4.55522	33.87362	1062	Colourless	Salty	27.1	7.7	1.280	46.80
HP-45	Igunga	Mwamashimba	Imalanguzu	Bucheile	12-Oct-09	Deep well	4.11763	33.80041	1123	Clear	Very salty	30.8	9.0	4.700	210.00
HP-46	Igunga	Mwisi	Busomeke	Kati	19-Oct-09	Shallow well	4.52634	33.46682	1272	Clear	Little Salty	26.4	6.2	0.430	33.30
HP-48	Igunga	Mwisi	Busomeke	Kati	19-Oct-09	Shallow well	4.52134	33.45459	1274	Milky	Little Salty	26.7	6.6	0.600	17.36
HP-51	Igunga	Mwisi	Isengelela	Isengelela Mjini	19-Oct-09	Shallow well	4.52457	33.44086	1278	Milky	Salty	27.6	7.0	1.300	73.20
HP-53	Igunga	Mwisi	Mizanza	Dodoma	19-Oct-09	Shallow well	4.52177	33.54269	1215	Milky	Tasteless	27.0	6.6	0.700	17.10
HP-62	Igunga	Ndembez	Ndembezi	Igomamhuli A	16-Oct-09	Deep well	4.3263	33.41709	1257	Milky	Little salty	25.8	7.8	2.600	124.20
HP-69	Igunga	Nguvmoja	Nguvumola	Isukamahela	21-Oct-09	Deep well	4.41857	33.85589	1143	Clear	Little salty	28.6	6.2	0.940	50.80
HP-72	Igunga	Nkinga	Nkinga	Njiapanda	19-Oct-09	Deep well	4.39857	33.44256	1253	Clear	Salty	27.3	7.3	4.400	97.20
HP-75	Igunga	Nyandekwa	Itale	Itale	16-Oct-09	Deep well	4.31582	33.50574	1218	Clear	Tasteless	28.4	6.7	1.200	72.00
HP-76	Igunga	Nyandekwa	Nyandekwa	Mwabashoha	16-Oct-09	Deep well	4.23809	33.52356	1184	Clear	Salty	24.3	7.2	2.200	89.30
HP-78	Igunga	Simbo	Simbo	Mwabashoha	20-Oct-09	Deep well	4.65703	33.42955	1224	Clear	Tasteless	27.0	6.4	0.720	25.60
HP-82	Igunga	Simbo	Simbo	Nzibe	20-Oct-09	Deep well	4.66244	33.43852	1234	Greyish	Tasteless	25.0	6.0	0.320	12.12
HP-86	Igunga	Simbo	Tambalalae	Ugimu	20-Oct-09	Deep well	4.64019	33.51053	1232	Clear	Salty	26.0	6.1	1.300	105.60
HP-87	Igunga	Simbo	Tambalalae	Ugimu	20-Oct-09	Deep well	4.63569	33.51295	1230	Milky	Tasteless	24.0	6.2	0.400	8.16
HP-89	Igunga	Simbo	Tambalalae	Ugimu	20-Oct-09	Shallow well	4.64586	33.51162	1228	Milky	Tasteless	26.7	6.4	1.400	112.00
HP-90	Igunga	Sungwizi	Sungwizi	Ikulu	19-Oct-09	Shallow well	4.45793	33.51958	1234	Clear	Salty	24.5	7.8	7.400	136.00
HP-96	Igunga	Ziba	Iborogelo	Ulunde	15-Oct-09	Deep well	4.23892	33.47128	1197	Clear	Tasteless	27.9	7.8	10.300	129.90
HP-101	Igunga	Ziba	Ziba	Ipuli	15-Oct-09	Deep well	4.28024	33.40283	1234	Clear	Salty	29.0	7.3	4.000	165.00
HP-102	Igunga	Ziba	Ziba	Iselamagazi	15-Oct-09	Deep well	4.19654	33.40723	1252	Clear	Salty	29.0	7.0	2.100	56.00
HP-103	Igunga	Ziba	Ziba	Kakinda	15-Oct-09	Deep well	4.23667	33.42369	1234	Clear	Salty	27.0	7.6	4.400	110.00

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)ンゼガ果 (1/6)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-105	Nzega	Budushi	Budushi	Uswahitini	26-Oct-09	Deep well	4.79031	33.33165	1214	Clear	Salty	28.7	6.3	1.520	63.50
HP-110	Nzega	Bukene	Bukene	Matenol	29-Oct-09	Shallow well	4.21552	32.88611	1187	Clear	Fresh	28.0	6.1	0.400	6.40
HP-111	Nzega	Bukene	Bukene	Mbatele	29-Oct-09	Shallow well	4.21245	32.9044	1191	Clear	Fresh	28.2	6.2	0.400	4.60
HP-113	Nzega	Bukene	Bukene	Mwantobala	29-Oct-09	Shallow well	4.21873	32.87996	1187	Clear	Salty	27.8	6.4	1.560	67.30
HP-115	Nzega	Bukene	Bukene	Tanganjika	29-Oct-09	Shallow well	4.23174	32.86545	1181	Clear	Fresh	27.8	6.3	0.400	4.40
HP-120	Nzega	Igusule	Solo	Bukaila	28-Oct-09	Deep well	3.94297	32.83474	1194	Clear	Fresh	27.1	6.5	ND	18.00
HP-121	Nzega	Igusule	Solo	Igudial	28-Oct-09	Deep well	3.953	32.85161	1204	Clear	Salty	27.8	5.5	1.560	288.90
HP-122	Nzega	Igusule	Solo	Ngopotol	28-Oct-09	Deep well	4.01132	32.85589	1161	Clear	Salty	27.1	5.1	1.590	299.20
HP-125	Nzega	Igusule	Solo	Nsemel	28-Oct-09	Deep well	3.94066	32.86305	1198	Clear	Salty	27.6	4.9	1.540	250.00
HP-127	Nzega	Igusule	Solo	Selimi	28-Oct-09	Deep well	3.92789	32.86115	1195	Clear	Salty	27.9	5.0	1.570	290.00
HP-128	Nzega	Igusule	Solo	Solo Mpya	28-Oct-09	Deep well	3.94084	32.85171	1196	Clear	Fresh	27.2	6.8	ND	9.90
HP-129	Nzega	Igusule	Solo	Solo Mpya	28-Oct-09	Shallow well	3.94507	32.85614	1200	Clear	Fresh	27.4	6.0	0.400	21.80
HP-130	Nzega	Igusule	Wela li	Wela Kati	28-Oct-09	Deep well	3.95406	32.83328	1207	Clear	Fresh	27.8	6.8	ND	18.00
HP-131	Nzega	Ijanjia	Butandulia	Butandulia	22-Oct-09	Deep well	4.16294	33.11915	1206	Clear	Bitter/Salty	28.2	6.8	1.920	325.00
HP-138	Nzega	Ijanjia	Makomele	Makomele	22-Oct-09	Shallow well	4.22137	33.14609	1214	Clear	No Salty	27.2	6.8	0.400	6.40
HP-139	Nzega	Ijanjia	Uchama	Uchama	22-Oct-09	Deep well	4.17554	33.17293	1213	Clear	Salty	28.3	6.9	1.870	120.00
HP-140	Nzega	Ikindwa	Ikindwa	Ikindwa	5-Nov-09	Shallow well	4.12904	32.89624	1198	Clear	Salty	29.3	6.5	0.400	15.00
HP-146	Nzega	Ikindwa	Ikindwa	Nduli	5-Nov-09	Shallow well	4.15528	32.91833	1206	Clear	Fresh	28.9	6.5	0.400	4.50
HP-150	Nzega	Ikindwa	Ikindwa	Nzanza	5-Nov-09	Shallow well	4.12869	32.89057	1203	Clear	Fresh	28.0	6.5	ND	4.50
HP-152	Nzega	Ikindwa	Kayombo	Ibongoya	5-Nov-09	Shallow well	4.13815	32.87429	1201	Clear	Fresh	28.0	7.1	0.400	8.80
HP-153	Nzega	Ikindwa	Kayombo	Ibongoya	5-Nov-09	Shallow well	4.14559	32.86929	1200	Clear	Fresh	27.9	6.8	0.400	8.50
HP-158	Nzega	Ikindwa	Kayombo	Imalanguzi	5-Nov-09	Shallow well	4.14874	32.90904	1209	Clear	Fresh	28.8	7.2	0.400	4.90
HP-160	Nzega	Ikindwa	Kayombo	Isukamawe	5-Nov-09	Shallow well	4.14189	32.88902	1204	Clear	Fresh	28.0	7.0	0.400	4.20
HP-162	Nzega	Ikindwa	Kayombo	Isukamawe	5-Nov-09	Shallow well	4.13367	32.8853	1209	Clear	Fresh	28.0	7.0	ND	6.30
HP-164	Nzega	Ikindwa	Kayombo	Mumba	5-Nov-09	Shallow well	4.14352	32.86056	1199	Clear	Fresh	28.0	6.5	0.400	4.60
HP-165	Nzega	Ikindwa	Kayombo	Uchama	5-Nov-09	Shallow well	4.12645	32.87317	1199	Clear	Salty	28.6	7.3	1.500	27.20
HP-166	Nzega	Ikindwa	Malol	Ifubyanziye	5-Nov-09	Shallow well	4.10296	32.85345	1171	Clear	Salty	28.0	7.0	0.400	16.60
HP-167	Nzega	Ikindwa	Malol	Izimla	5-Nov-09	Shallow well	4.09446	32.86862	1162	Clear	Fresh	28.6	6.9	0.400	4.70
HP-170	Nzega	Ikindwa	Malol	Malol	5-Nov-09	Shallow well	4.09981	32.86177	1167	Clear	Fresh	28.3	6.5	0.400	4.20
HP-173	Nzega	Ikindwa	Malol	Malol	5-Nov-09	Shallow well	4.09322	32.91229	1163	Clear	Fresh	28.2	6.8	0.400	5.60
HP-177	Nzega	Isagenhe	Kidete	Kidete	19-Oct-09	Shallow well	4.25321	32.94771	1203	Clear	Fresh	27.0	5.4	ND	12.00
HP-178	Nzega	Isanzu	Kidete	Mbulagiti	19-Oct-09	Shallow well	4.2364	32.93533	1191	Clear	Fresh	27.9	5.9	0.400	18.90
HP-182	Nzega	Isanzu	Isanzu	Isanzu	16-Oct-09	Shallow well	4.26904	33.08097	1234	Clear	Clear	28.8	6.6	0.400	16.20
HP-183	Nzega	Isanzu	Isanzu	Ivanjulo	16-Oct-09	Shallow well	4.28042	33.05005	1244	Clear	Clear	28.4	6.7	0.400	19.30
HP-184	Nzega	Isanzu	Isanzu	Kadatal	16-Oct-09	Shallow well	4.27232	33.05813	1240	Clear	Clear	28.7	6.5	0.400	18.80
HP-187	Nzega	Isanzu	Shila	Shila	16-Oct-09	Deep well	4.24523	33.09528	1237	Clear	Clear	28.9	6.7	0.400	25.60
HP-188	Nzega	Itobo	Chamwabo	Bulindi	22-Oct-09	Shallow well	4.20592	33.00867	1207	Clear	Fresh	27.0	6.2	0.400	10.20
HP-189	Nzega	Itobo	Chamwabo	Bunonga	22-Oct-09	Shallow well	4.21989	33.02316	1203	Clear	Fresh	27.0	6.2	0.400	12.00
HP-190	Nzega	Itobo	Chamwabo	Chamwabo	22-Oct-09	Shallow well	4.21064	32.99895	1203	Clear	Fresh	26.8	6.8	0.400	25.00
HP-191	Nzega	Itobo	Chamwabo	Igedeal	22-Oct-09	Shallow well	4.19675	33.01349	1203	Clear	Fresh	28.2	6.4	0.800	12.00
HP-192	Nzega	Itobo	Chamwabo	Isagenhe	22-Oct-09	Shallow well	4.20171	32.99558	1204	Clear	Fresh	27.0	6.2	0.400	12.00
HP-193	Nzega	Itobo	Chamwabo	Isagenhe	22-Oct-09	Shallow well	4.2019	32.98318	1197	Clear	Fresh	26.8	6.8	0.400	25.00
HP-194	Nzega	Itobo	Chamwabo	Isagenhe	22-Oct-09	Shallow well	4.1957	32.98791	1197	Clear	Fresh	27.0	6.2	0.400	12.00
HP-195	Nzega	Itobo	Chamwabo	Ishola	22-Oct-09	Shallow well	4.21669	33.01634	1204	Clear	Fresh	29.6	6.2	0.400	10.00
HP-196	Nzega	Itobo	Chamwabo	Kakola	22-Oct-09	Shallow well	4.22366	33.02946	1205	Clear	Fresh	26.8	6.8	0.400	25.00
HP-197	Nzega	Itobo	Chamwabo	Kakola	22-Oct-09	Shallow well	4.23536	33.02599	1215	Clear	Fresh	27.1	7.0	1.740	290.00
HP-198	Nzega	Itobo	Chamwabo	Mwakabata	22-Oct-09	Shallow well	4.2068	32.99785	1204	Clear	Fresh	27.1	7.0	1.980	250.00
HP-199	Nzega	Itobo	Chamwabo	Mwakabata	22-Oct-09	Shallow well	4.19344	32.99695	1198	Clear	Fresh	29.6	6.2	0.400	10.40
HP-200	Nzega	Itobo	Chamwabo	Sundwi	22-Oct-09	Shallow well	4.20358	33.02055	1208	Clear	Fresh	28.4	5.9	0.400	9.20

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)ゼンガ果(2/6)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-201	Nzega	Itobo	Chamwabo	Sundwi	22-Oct-09	Shallow well	4.20323	33.0309	1208	Clear	Fresh	28.9	6.8	0.400	11.10
HP-202	Nzega	Itobo	Chamwabo	Sundwi	22-Oct-09	Shallow well	4.2132	33.03016	1203	Clear	Fresh	28.8	6.1	0.400	10.60
HP-208	Nzega	Itobo	Itobo	Nzegampya	22-Oct-09	Shallow well	4.16485	33.02494	1190	Clear	Fresh	27.8	6.0	0.800	10.90
HP-210	Nzega	Itobo	Itobo	Uvuate	22-Oct-09	Shallow well	4.16988	33.00498	1195	Clear	Fresh	29.6	6.2	0.400	10.00
HP-211	Nzega	Itobo	Itobo	Uyombol	22-Oct-09	Shallow well	4.1905	33.02663	1196	Clear	Fresh	29.6	6.2	0.400	10.00
HP-214	Nzega	Ititio	Ititio	Ititio Kati	16-Oct-09	Shallow well	4.26463	33.17662	1248	Clear	Clear	23.7	6.2	0.400	12.80
HP-221	Nzega	Ititio	Sitimuka	Wikilawa	16-Oct-09	Shallow well	4.25695	33.19369	1238	Clear	Clear	24.1	6.3	0.400	12.20
HP-224	Nzega	Kahama Nhalanga	Iditima	Kalagawa	4-Nov-09	Shallow well	4.17093	32.72658	1229	Clear	Fresh	28.3	7.2	0.400	4.40
HP-230	Nzega	Kahama Nhalanga	Kahama Nhalanga	Kahama Nhalanga	4-Nov-09	Shallow well	4.18169	32.7925	1199	Clear	Fresh	28.7	6.3	0.400	9.80
HP-235	Nzega	Kahama Nhalanga	Kilino	Kilino	4-Nov-09	Shallow well	4.18575	32.81593	1199	Clear	Fresh	28.8	6.9	ND	4.40
HP-237	Nzega	Kahama Nhalanga	Nhabala	Kakoma	4-Nov-09	Shallow well	4.14506	32.67081	1225	Clear	Fresh	26.9	6.4	0.400	9.20
HP-240	Nzega	Kahama Nhalanga	Nhabala	Mwamakumbi B	4-Nov-09	Shallow well	4.13766	32.72451	1222	Clear	Fresh	26.7	9.2	ND	27.50
HP-244	Nzega	Karitu	Bulunde	Bulunde	17-Oct-09	Shallow well	4.30714	32.97554	1235	Milky	Fresh	27.8	6.3	0.400	6.30
HP-249	Nzega	Karitu	Bulunde	Kalemela	17-Oct-09	Shallow well	4.33657	32.97318	1229	Clear	Fresh	26.0	6.1	0.400	12.00
HP-251	Nzega	Karitu	Gulumbal	Ugembe 1	17-Oct-09	Shallow well	4.28683	32.96832	1245	Clear	Clear	27.8	6.4	0.400	11.20
HP-252	Nzega	Karitu	Idubula	Bulambol	17-Oct-09	Shallow well	4.24123	33.00037	1217	Clear	Clear	27.2	5.9	0.400	10.20
HP-253	Nzega	Karitu	Idubula	Idandala	17-Oct-09	Shallow well	4.24108	32.99078	1208	Clear	Clear	29.6	6.2	0.400	10.00
HP-257	Nzega	Karitu	Idubula	Igonda Matanga	17-Oct-09	Shallow well	4.23459	32.99899	1212	Clear	Clear	29.7	5.8	0.400	10.80
HP-258	Nzega	Karitu	Idubula	Ipalilio	17-Oct-09	Shallow well	4.22935	32.97429	1204	Clear	Clear	27.8	5.9	0.400	10.80
HP-259	Nzega	Karitu	Idubula	Kindagili	17-Oct-09	Shallow well	4.23118	32.99081	1205	Clear	Clear	29.7	5.8	0.400	10.80
HP-260	Nzega	Karitu	Idubula	Manigilo	17-Oct-09	Shallow well	4.24394	33.01224	1224	Clear	Clear	27.3	5.8	0.400	10.40
HP-261	Nzega	Karitu	Itunda	Itunda A	17-Oct-09	Shallow well	4.26255	32.98642	1222	Milky	Clear	27.3	6.4	0.400	10.20
HP-262	Nzega	Karitu	Itunda	Itunda A	17-Oct-09	Shallow well	4.27183	32.98116	1222	Clear	Clear	27.5	6.3	0.400	10.80
HP-263	Nzega	Karitu	Itunda	Itunda A	17-Oct-09	Shallow well	4.26609	32.98201	1234	Milky	Clear	27.4	5.9	0.400	10.40
HP-264	Nzega	Karitu	Itunda	Itunda A	17-Oct-09	Shallow well	4.26506	32.98305	1232	Milky	Clear	27.8	6.0	0.800	10.90
HP-266	Nzega	Karitu	Itunda	Itunda A	17-Oct-09	Shallow well	4.26186	32.97799	1222	Milky	Clear	27.3	6.4	0.400	10.40
HP-267	Nzega	Karitu	Itunda	Itunda A	17-Oct-09	Shallow well	4.28009	32.97488	1242	Clear	Clear	27.9	5.9	0.400	10.90
HP-268	Nzega	Karitu	Itunda	Itunda A	17-Oct-09	Shallow well	4.29286	32.97483	1249	Clear	Clear	26.0	6.8	0.400	11.50
HP-269	Nzega	Karitu	Itunda	Itunda B	17-Oct-09	Shallow well	4.27591	32.98706	1240	Clear	Clear	26.9	6.4	0.400	10.10
HP-270	Nzega	Karitu	Itunda	Itunda B	17-Oct-09	Shallow well	4.28942	32.98138	1252	Clear	Clear	27.0	6.5	0.400	12.00
HP-271	Nzega	Karitu	Itunda	Lubisu	17-Oct-09	Shallow well	4.27214	33.00332	1233	Clear	Clear	27.8	5.2	0.400	12.20
HP-272	Nzega	Karitu	Itunda	Lubisu	17-Oct-09	Shallow well	4.26362	33.00043	1240	Milky	Clear	27.9	6.3	0.400	10.90
HP-273	Nzega	Kasela	Kasela	Gangamala	27-Oct-09	Shallow well	4.08731	32.98207	1150	Clear	Fresh	27.1	6.1	ND	19.00
HP-275	Nzega	Kasela	Kasela	Iqubula	27-Oct-09	Shallow well	4.1049	33.0009	1171	Clear	Fresh	27.9	6.1	ND	11.00
HP-281	Nzega	Kasela	Kasela	Kasela	27-Oct-09	Shallow well	4.09584	33.0128	1166	Clear	Fresh	27.8	6.0	ND	9.90
HP-284	Nzega	Kasela	Kasela	Kasela	27-Oct-09	Shallow well	4.09153	33.00798	1165	Clear	Fresh	27.6	6.0	ND	18.00
HP-285	Nzega	Kasela	Kasela	Niuka	27-Oct-09	Shallow well	4.07674	32.99312	1151	Clear	Fresh	27.9	6.4	ND	26.00
HP-289	Nzega	Kasela	Lububu	Igagati	27-Oct-09	Shallow well	4.1124	32.98394	1179	Clear	Fresh	27.0	6.1	0.400	7.90
HP-292	Nzega	Kasela	Lububu	Lububu	27-Oct-09	Shallow well	4.11864	32.98198	1188	Clear	Fresh	28.2	6.5	0.400	4.90
HP-294	Nzega	Kasela	Nindo	Sumbul	27-Oct-09	Shallow well	4.07587	33.00801	1159	Milky	Fresh	27.9	5.9	ND	10.00
HP-295	Nzega	Kasela	Senge	Udundya	27-Oct-09	Shallow well	4.06457	32.9772	1143	Milky	Fresh	27.8	5.6	ND	26.40
HP-296	Nzega	Kasela	Uditu	Hangada	27-Oct-09	Shallow well	4.16551	32.97508	1200	Clear	Fresh	27.0	6.0	0.400	26.00
HP-297	Nzega	Kasela	Uditu	Hangada	27-Oct-09	Shallow well	4.16853	32.9709	1197	Clear	Fresh	27.1	6.1	ND	15.00
HP-298	Nzega	Kasela	Uditu	Majenol	27-Oct-09	Shallow well	4.17217	32.95402	1195	Milky	Clear	27.2	6.3	ND	12.00
HP-300	Nzega	Kasela	Uditu	Majenol	27-Oct-09	Shallow well	4.17812	32.96589	1196	Clear	Fresh	27.0	5.9	0.400	29.00
HP-303	Nzega	Kasela	Uditu	Nguwa	27-Oct-09	Shallow well	4.14337	32.96895	1206	Clear	Fresh	27.0	6.9	ND	12.00
HP-304	Nzega	Kasela	Uditu	Ntunquulu	27-Oct-09	Shallow well	4.13512	32.96515	1199	Clear	Salty	27.9	5.1	1.420	299.10
HP-306	Nzega	Kasela	Uditu	Ntunquulu	27-Oct-09	Shallow well	4.12147	32.96962	1188	Clear	Fresh	26.9	6.9	ND	29.80
HP-307	Nzega	Kasela	Uditu	Nyashimbal	27-Oct-09	Shallow well	4.12896	32.98766	1234	Clear	Salty	27.9	5.0	1.550	219.00

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)ンゼガ県 (3/6)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (µmS/cm)
HP-308	Nzega	Kasela	Udutu	Nyashimba	27-Oct-09	Shallow well	4.1367	32.9843	1189	Clear	Salty	27.8	5.0	1.490	292.00
HP-309	Nzega	Kasela	Udutu	Sabacel	27-Oct-09	Shallow well	4.14804	32.99528	1204	Clear	Fresh	27.1	5.4	0.400	28.00
HP-311	Nzega	Kasela	Udutu	Udutu	27-Oct-09	Shallow well	4.15866	32.96402	1209	Clear	Fresh	26.9	6.8	0.400	41.00
HP-313	Nzega	Lusu	Bujulu	Bujulu	13-Oct-09	Deep well	4.07647	33.23369	1141	Clear	Salty	27.2	5.9	0.400	40.00
HP-314	Nzega	Lusu	Bujulu	Isagenhel	13-Oct-09	Deep well	4.05136	33.25092	1134	Clear	Clear	26.8	6.1	0.400	6.30
HP-315	Nzega	Lusu	Bujulu	Mitundu	13-Oct-09	Deep well	4.033	33.23226	1119	Clear	Clear	27.1	6.8	0.800	36.00
HP-316	Nzega	Lusu	Bujulu	Mwamakola	13-Oct-09	Deep well	4.05677	33.26518	1145	Clear	Clear	27.2	5.7	0.400	7.20
HP-319	Nzega	Lusu	Ifumba	Ifumba	13-Oct-09	Unknown	4.00991	33.23609	1112	Clear	Clear	26.8	6.2	0.800	18.00
HP-320	Nzega	Lusu	Ifumba	Ifumba	13-Oct-09	Unknown	3.99234	33.25681	1103	Clear	Clear	26.5	6.3	0.400	12.00
HP-321	Nzega	Lusu	Ifumba	Tindempya	13-Oct-09	Unknown	3.99764	33.24639	1109	Clear	Salty	26.9	6.7	0.400	36.80
HP-323	Nzega	Lusu	Isanga	Mwatandai	13-Oct-09	Shallow well	4.0497	33.21017	1121	Clear	Salty	27.1	7.6	0.800	162.00
HP-324	Nzega	Lusu	Mwakabasa	Mwakabasa	13-Oct-09	Shallow well	3.91503	33.29363	1076	Mud	Salty	27.9	7.2	0.800	122.00
HP-328	Nzega	Lusu	Mwaluzwilo	Bujinja	13-Oct-09	Deep well	4.0156	33.21824	1124	Clear	Salty	26.2	7.3	1.220	176.40
HP-329	Nzega	Lusu	Mwaluzwilo	Bujinja	13-Oct-09	Deep well	4.07496	33.23705	1141	Clear	Salty	26.1	6.8	2.010	236.40
HP-331	Nzega	Lusu	Mwaluzwilo	Mwaluzwilo	13-Oct-09	Shallow well	4.02301	33.21741	1122	Clear	Salty	27.8	6.9	0.800	50.00
HP-332	Nzega	Lusu	Mwaluzwilo	Mwaluzwilo	13-Oct-09	Shallow well	4.0289	33.21541	1131	Clear	Salty	26.6	6.1	0.400	41.40
HP-333	Nzega	Lusu	Mwaluzwilo	Mwamawe	13-Oct-09	Shallow well	4.0023	33.21098	1124	Clear	Salty	27.9	7.6	3.910	126.00
HP-334	Nzega	Lusu	Mwasala	Matinele	13-Oct-09	Deep well	3.99478	33.29709	1104	Clear	Salty	27.7	8.2	1.510	399.90
HP-338	Nzega	Lusu	Mwasala	Nhele	13-Oct-09	Deep well	4.02913	33.31923	1109	Clear	Salty	29.7	7.6	3.310	177.20
HP-339	Nzega	Lusu	Ilelamhina	Ilelamhina Juu	9-Nov-09	Shallow well	4.83145	33.0217	1274	Clear	Fresh	27.8	6.7	0.400	4.70
HP-342	Nzega	Lusu	Inedana	Shinyanga Road	9-Nov-09	Shallow well	4.7722	33.09288	1223	Clear	Fresh	28.5	7.5	0.400	6.30
HP-344	Nzega	Lusu	Kaloleni	Kagera	9-Nov-09	Shallow well	4.81023	33.01512	1255	Clear	Fresh	27.0	6.8	0.400	5.50
HP-346	Nzega	Lusu	Maengati	Kipendaroho	9-Nov-09	Shallow well	4.83164	33.05845	1266	Clear	Fresh	28.7	6.5	0.400	4.30
HP-351	Nzega	Mambali	Gulyambi	Gulyambi	20-Oct-09	Deep well	4.5274	32.77148	1193	Milky	Salty	27.1	6.0	0.800	56.90
HP-353	Nzega	Mambali	Kikonoka	Igalula	20-Oct-09	Deep well	4.56827	32.6692	1181	Clear	Clear	27.0	6.2	0.400	12.00
HP-354	Nzega	Mambali	Kikonoka	Igalula	20-Oct-09	Deep well	4.56294	32.66517	1179	Clear	Little salty	26.5	6.4	0.400	28.00
HP-356	Nzega	Mambali	Kikonoka	Kikonoka	20-Oct-09	Deep well	4.58605	32.7131	1165	Clear	No salty	26.0	6.0	ND	7.00
HP-357	Nzega	Mambali	Kikonoka	Njucha	20-Oct-09	Deep well	4.54233	32.64468	1184	Milky	Little salty	26.8	6.0	0.400	25.00
HP-358	Nzega	Mambali	Kikonoka	Shitage	20-Oct-09	Deep well	4.61171	32.61565	1193	Milky	Little salty	26.0	6.2	0.800	45.00
HP-359	Nzega	Mambali	Kikonoka	Upiwa	20-Oct-09	Deep well	4.6215	32.76272	1151	Milky	Salty	27.1	7.0	1.370	250.00
HP-360	Nzega	Mambali	Kikonoka	Usekenule	20-Oct-09	Deep well	4.55975	32.69972	1177	Clear	No salty	26.8	6.9	ND	5.00
HP-361	Nzega	Mambali	Kikonoka	Usekenule	20-Oct-09	Deep well	4.56695	32.69665	1170	Clear	Little salty	27.0	6.5	0.400	12.50
HP-362	Nzega	Mambali	Mambali	Isiyaza	20-Oct-09	Deep well	4.56846	32.74292	1175	Clear	Fresh	26.0	6.0	0.400	30.10
HP-363	Nzega	Mambali	Mambali	Kazima	20-Oct-09	Deep well	4.53282	32.73008	1203	Clear	Fresh	27.1	6.5	ND	25.00
HP-364	Nzega	Mambali	Mambali	Kibuli	20-Oct-09	Deep well	4.50918	32.68549	1202	Clear	No salty	27.6	6.8	0.400	10.10
HP-366	Nzega	Mambali	Mambali	Mambali	20-Oct-09	Deep well	4.52678	32.68572	1209	Clear	No salty	27.0	6.0	ND	9.80
HP-367	Nzega	Mambali	Mambali	Ngwatu	20-Oct-09	Deep well	4.50476	32.72773	1205	Clear	No salty	26.0	6.0	ND	15.00
HP-368	Nzega	Mambali	Mambali	Ntanga	20-Oct-09	Deep well	4.49617	32.74475	1205	Clear	Fresh	27.6	7.0	0.400	15.00
HP-369	Nzega	Mambali	Mambali	Ulasa	20-Oct-09	Deep well	4.51299	32.63809	1214	Clear	Little salty	26.8	7.0	ND	4.00
HP-370	Nzega	Mambali	Mambali	Waia	20-Oct-09	Deep well	4.5475	32.71195	1196	Clear	Fresh	27.0	6.6	0.400	25.10
HP-371	Nzega	Mambali	Mbutu	Dumajili	20-Oct-09	Deep well	4.36798	32.83153	1213	Clear	Fresh	27.2	6.0	0.400	24.00
HP-372	Nzega	Mambali	Mbutu	Idubaniilo	20-Oct-09	Deep well	4.41503	32.8457	1204	Clear	No salty	26.5	6.4	ND	16.50
HP-374	Nzega	Mambali	Mbutu	Isania	20-Oct-09	Shallow well	4.41567	32.7787	1214	Clear	Fresh	27.0	6.2	ND	14.00
HP-375	Nzega	Mambali	Mbutu	Isania	20-Oct-09	Deep well	4.41658	32.79456	1230	Clear	No salty	27.1	6.5	0.400	29.00
HP-376	Nzega	Mambali	Mbutu	Kadokke	20-Oct-09	Shallow well	4.41129	32.81509	1228	Clear	No salty	27.0	5.9	ND	17.00
HP-377	Nzega	Mambali	Mbutu	Kindagili	20-Oct-09	Deep well	4.38812	32.82766	1220	Clear	No salty	26.9	7.0	0.400	21.00
HP-378	Nzega	Mambali	Mbutu	Mbutu Kati	20-Oct-09	Deep well	4.38187	32.78212	1208	Clear	No salty	27.5	7.2	0.400	21.00
HP-380	Nzega	Mambali	Mbutu	Mbutu Kati	20-Oct-09	Deep well	4.40103	32.79138	1226	Clear	Salty	26.9	7.0	1.430	320.50
HP-381	Nzega	Mambali	Mbutu	Nasa	20-Oct-09	Deep well	4.37186	32.8078	1218	Clear	No salty	27.4	6.8	ND	19.00

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)ゼザガ果 (4/6)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-382	Nzega	Mambali	Mwimalimu	Luguluwanzungu	20-Oct-09	Deep well	4.4969	32.82295	1182	Clear	Fresh	26.8	6.9	ND	16.00
HP-383	Nzega	Mambali	Mwino	Busaku	20-Oct-09	Deep well	4.46637	32.86909	1161	Clear	No salty	27.0	6.8	ND	21.00
HP-384	Nzega	Mambali	Mwino	Mwino Magharibi	20-Oct-09	Deep well	4.44096	32.85975	1184	Clear	Little salty	27.8	6.8	0.800	45.00
HP-385	Nzega	Mambali	Mwino	Mwino Mashariki	20-Oct-09	Deep well	4.43422	32.86777	1201	Clear	Fresh	26.5	6.4	0.400	25.00
HP-386	Nzega	Mambali	Nkindu	Iboia	20-Oct-09	Deep well	4.46065	32.82528	1201	Clear	No salty	26.8	6.8	0.400	25.00
HP-387	Nzega	Mambali	Nkindu	Iboia	20-Oct-09	Deep well	4.46236	32.82267	1194	Clear	Fresh	26.0	6.4	ND	12.40
HP-388	Nzega	Mambali	Nkindu	Maseki	20-Oct-09	Deep well	4.48309	32.81173	1200	Clear	Fresh	27.8	6.0	0.400	13.00
HP-389	Nzega	Mambali	Nkindu	Nkindu	20-Oct-09	Deep well	4.496	32.78711	1212	Clear	Fresh	27.4	7.1	0.400	16.80
HP-390	Nzega	Mambali	Shilago	Bakambwa	20-Oct-09	Deep well	4.44508	32.74767	1217	Clear	No salty	27.0	6.6	ND	15.00
HP-391	Nzega	Mambali	Shilago	Igalu	20-Oct-09	Deep well	4.41725	32.74864	1210	Clear	No salty	27.6	6.8	0.400	38.00
HP-392	Nzega	Mambali	Shilago	Kasomela	20-Oct-09	Deep well	4.4302	32.77894	1221	Clear	Fresh	27.8	6.2	ND	16.00
HP-393	Nzega	Mambali	Shilago	Shilago	20-Oct-09	Deep well	4.46065	32.76065	1223	Clear	No salty	26.9	6.4	ND	11.50
HP-394	Nzega	Mambali	Shilago	Shilago	20-Oct-09	Deep well	4.43497	32.76075	1223	Clear	No salty	26.1	6.8	0.400	40.00
HP-397	Nzega	Mbogwe	Mbogwe	Mbogwe Kati	14-Oct-09	Shallow well	4.15327	33.26395	1188	Clear	Clear	29.6	6.6	0.400	5.20
HP-398	Nzega	Mbogwe	Mbogwe	Mbogwe Kusini	14-Oct-09	Shallow well	4.163	33.26399	1201	Clear	Clear	29.7	6.8	0.400	6.70
HP-399	Nzega	Mbogwe	Mbogwe	Mwakabilu	14-Oct-09	Shallow well	4.17821	33.25905	1203	Clear	Clear	28.2	6.7	0.400	6.60
HP-401	Nzega	Mbogwe	Mbogwe	Mwanubilia	14-Oct-09	Deep well	4.14495	33.26333	1178	Clear	Salty	29.5	7.8	6.110	95.00
HP-403	Nzega	Mbogwe	Nnobola	Mwashina	14-Oct-09	Deep well	4.09664	33.24997	1143	Clear	Salty	28.4	7.7	1.590	165.90
HP-405	Nzega	Mbogwe	Iudumo	Makambini	15-Oct-09	Deep well	4.36862	33.36954	1197	Clear	Salty	28.0	6.7	0.800	70.60
HP-406	Nzega	Migwa	Iduguta	Iduguta 'A'	15-Oct-09	Deep well	4.22142	33.34698	1196	Clear	Salty	28.8	7.2	6.210	136.20
HP-407	Nzega	Migwa	Iduguta	Iduguta 'A'	15-Oct-09	Deep well	4.21961	33.34908	1198	Clear	Salty	28.4	7.7	4.710	165.90
HP-415	Nzega	Migwa	Kitangili	Budushi	15-Oct-09	Shallow well	4.21101	33.24337	1200	Milky	Clear	28.2	6.8	0.400	10.20
HP-426	Nzega	Migwa	Migwa	Isambillo	15-Oct-09	Deep well	4.18172	33.31513	1205	Clear	Salty	28.5	7.2	3.910	54.30
HP-429	Nzega	Migwa	Migwa	Migwa	15-Oct-09	Shallow well	4.20826	33.30499	1214	Milky	Clear	28.6	7.3	0.400	6.30
HP-430	Nzega	Migwa	Migwa	Ngong'Ho	15-Oct-09	Shallow well	4.20791	33.28542	1221	Clear	Clear	28.7	6.3	0.400	6.20
HP-447	Nzega	Mizibaziba	Kipungulu	Kisangilizi	7-Nov-09	Deep well	4.51759	33.36282	1234	Milky	Fresh	26.8	6.5	0.800	8.30
HP-452	Nzega	Moqwa	Moqwa	ifuso	29-Oct-09	Shallow well	4.31121	32.85704	1217	Clear	Fresh	28.8	6.4	0.400	4.40
HP-455	Nzega	Moqwa	Usalala	Kiganama	29-Oct-09	Shallow well	4.27135	32.81858	1195	Clear	Fresh	27.9	5.7	0.400	6.30
HP-457	Nzega	Moqwa	Usalala	King Wangoko	29-Oct-09	Shallow well	4.26003	32.7997	1195	Clear	Salty	27.0	6.2	1.550	56.00
HP-459	Nzega	Moqwa	Usalala	Nyanhuli	29-Oct-09	Shallow well	4.24981	32.81823	1181	Clear	Fresh	27.9	6.5	0.400	4.40
HP-461	Nzega	Muhugi	Nhumbili	Imerya	25-Oct-09	Shallow well	4.40241	33.21474	1227	Clear	Clear	28.2	5.6	0.400	6.00
HP-462	Nzega	Muhugi	Nhumbili	Nhumbili	25-Oct-09	Shallow well	4.37567	33.20762	1226	Clear	Clear	28.8	5.7	0.400	6.20
HP-463	Nzega	Muhugi	Ubinga	Ilungu	25-Oct-09	Shallow well	4.45364	33.30788	1224	Clear	Salty	27.8	6.8	1.450	63.40
HP-467	Nzega	Mwakashanaha	Ibelafinga	Chibiso	9-Nov-09	Deep well	4.63053	33.02679	1218	Clear	Fresh	27.0	7.6	0.400	4.60
HP-470	Nzega	Mwakashanaha	Kigandu	Kalanale	9-Nov-09	Deep well	4.69428	33.00216	1189	Clear	Fresh	26.5	7.2	0.400	7.10
HP-471	Nzega	Mwakashanaha	Kigandu	Kalumwa	9-Nov-09	Deep well	4.66057	32.98905	1189	Clear	Fresh	26.4	6.5	0.400	6.30
HP-472	Nzega	Mwakashanaha	Kigandu	Kalumwa	9-Nov-09	Deep well	4.67562	32.99071	1195	Clear	Fresh	27.0	6.9	ND	5.20
HP-473	Nzega	Mwakashanaha	Kigandu	Kigandu Centre	9-Nov-09	Deep well	4.66475	33.01737	1214	Clear	Fresh	27.6	6.3	0.400	6.40
HP-475	Nzega	Mwakashanaha	Mwakashanaha	Iponyanundo	10-Nov-09	Deep well	4.67191	33.13599	1223	Clear	Fresh	26.0	7.6	0.400	6.60
HP-476	Nzega	Mwakashanaha	Mwakashanaha	Isagethe	10-Nov-09	Deep well	4.68672	33.11259	1216	Clear	Fresh	26.8	6.9	0.400	5.70
HP-477	Nzega	Mwakashanaha	Mwakashanaha	Kiobeli	10-Nov-09	Deep well	4.63579	33.05023	1211	Clear	Fresh	27.3	7.9	0.400	6.30
HP-478	Nzega	Mwakashanaha	Mwakashanaha	Migwa	10-Nov-09	Deep well	4.65872	33.0893	1221	Clear	Fresh	27.0	6.4	0.800	6.20
HP-479	Nzega	Mwakashanaha	Mwakashanaha	Mwaijili	10-Nov-09	Deep well	4.62153	33.06649	1206	Clear	Fresh	26.9	6.0	0.400	5.40
HP-481	Nzega	Mwakashanaha	Mwakashanaha	Mwakashanaha	10-Nov-09	Deep well	4.64274	33.06774	1220	Clear	Fresh	26.8	6.4	0.400	4.40
HP-482	Nzega	Mwakashanaha	Mwakashanaha	Mwakashanaha	10-Nov-09	Deep well	4.65174	33.08013	1229	Clear	Fresh	26.4	5.9	0.400	6.60
HP-483	Nzega	Mwakashanaha	Mwakashanaha	Uchosa	10-Nov-09	Deep well	4.63812	33.09684	1216	Clear	Fresh	28.2	6.8	0.400	7.20
HP-484	Nzega	Mwakashanaha	Mwakashanaha	Uyocul	10-Nov-09	Deep well	4.65466	33.10098	1221	Clear	Fresh	26.6	7.2	ND	4.50
HP-487	Nzega	Mwakashanaha	Ugembe li	Ibakuli	9-Nov-09	Deep well	4.59249	32.9798	1193	Clear	Fresh	26.0	7.2	0.400	7.20
HP-488	Nzega	Mwakashanaha	Ugembe li	Ishtia B	9-Nov-09	Deep well	4.58653	32.96507	1190	Clear	Fresh	27.0	7.0	0.400	6.20

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)セザガ果 (5/6)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-491	Nzegal	Mwakashanhala	Ugembe li	Miseke	9-Nov-09	Deep well	4.58528	32.9757	1191	Clear	Fresh	27.0	6.0	ND	5.70
HP-494	Nzegal	Mwakashanhala	Ugembe li	Ugembe li Centre	9-Nov-09	Deep well	4.59264	32.97118	1188	Clear	Fresh	26.0	6.0	0.400	4.50
HP-495	Nzegal	Mwamala	Buhondo	Buhondo	28-Oct-09	Shallow well	3.97621	32.93909	1150	Yellowish	Fresh	27.0	6.4	ND	9.80
HP-496	Nzegal	Mwamala	Buhondo	Buhondo	28-Oct-09	Shallow well	3.97584	32.94166	1147	Milky	Fresh	26.9	6.5	ND	9.20
HP-497	Nzegal	Mwamala	Buhondo	Mwasato	28-Oct-09	Shallow well	3.98857	32.94908	1137	Clear	Fresh	26.8	6.0	ND	11.20
HP-501	Nzegal	Mwamala	Chamingi Hwa	Chanembal	28-Oct-09	Shallow well	4.96891	32.93407	1167	Clear	Fresh	27.1	6.4	ND	19.80
HP-506	Nzegal	Mwamala	Kishili	Kishili	28-Oct-09	Shallow well	4.13518	32.94939	1195	Clear	Fresh	27.1	6.1	ND	12.90
HP-508	Nzegal	Mwamala	Kishili	Kifonol	28-Oct-09	Shallow well	4.12169	32.93966	1184	Milky	Fresh	27.4	5.9	ND	21.00
HP-510	Nzegal	Mwamala	Mahene	Igabaniolo	28-Oct-09	Shallow well	4.08631	32.90604	1170	Clear	Fresh	27.9	6.1	ND	25.00
HP-511	Nzegal	Mwamala	Mwamala	Bulyangoko	28-Oct-09	Shallow well	4.06931	32.95961	1144	Milky	Fresh	27.1	6.1	ND	12.80
HP-515	Nzegal	Mwangove	Champulu	Champulu	6-Nov-09	Deep well	4.06125	33.07178	1148	Milky	Salty	27.0	4.9	0.800	192.20
HP-523	Nzegal	Mwangove	Igalula	Igalula	6-Nov-09	Deep well	4.09711	33.09311	1146	Clear	Salty	27.2	4.9	0.800	192.10
HP-527	Nzegal	Mwangove	Kaselya	Kabanga	6-Nov-09	Shallow well	4.05389	33.08259	1142	Milky	Salty	26.9	4.5	0.800	192.20
HP-529	Nzegal	Mwangove	Kaselya	Nyangabo	6-Nov-09	Shallow well	4.06538	33.08116	1146	Milky	Fresh	27.0	4.6	ND	15.80
HP-531	Nzegal	Mwangove	Mwagujili	Mwagujili	6-Nov-09	Deep well	4.05724	33.02845	1138	Milky	Salty	27.0	6.0	0.800	210.00
HP-534	Nzegal	Mwangove	Sagida	Ibale	6-Nov-09	Shallow well	4.08738	33.03823	1158	Milky	Fresh	28.0	6.0	ND	9.20
HP-536	Nzegal	Mwangove	Sagida	Isanzu	6-Nov-09	Shallow well	4.09226	33.02804	1153	Milky	Fresh	27.8	5.4	ND	9.20
HP-537	Nzegal	Mwangove	Sagida	Minala	6-Nov-09	Shallow well	4.072	33.03464	1145	Milky	Fresh	28.0	6.0	ND	11.00
HP-538	Nzegal	Mwangove	Sagida	Ng Wakulogwal	6-Nov-09	Shallow well	4.10984	33.04189	1169	Milky	Fresh	27.0	5.0	ND	8.10
HP-539	Nzegal	Nata	Kabale	Busigili	12-Oct-09	Deep well	3.96852	33.1721	1094	Clear	Salty	27.0	5.8	0.800	42.00
HP-540	Nzegal	Nata	Kabale	Itioniemandi	12-Oct-09	Deep well	4.01582	33.16574	1121	Clear	Fresh	27.4	5.9	0.400	42.00
HP-542	Nzegal	Nata	Kabale	Kabale	12-Oct-09	Deep well	4.0169	33.18295	1132	Clear	Fresh	27.1	6.3	0.800	40.00
HP-543	Nzegal	Nata	Kabale	Kabale	12-Oct-09	Deep well	4.01172	33.19242	1126	Clear	Salty	26.2	5.8	0.800	42.00
HP-545	Nzegal	Nata	Kabale	Kasela	12-Oct-09	Deep well	4.05221	33.16095	1132	Clear	Fresh	26.5	6.3	0.800	48.30
HP-546	Nzegal	Nata	Kabale	Lubacal	12-Oct-09	Deep well	3.96361	33.14195	1103	Clear	Salty	27.4	6.3	0.800	39.20
HP-547	Nzegal	Nata	Kabale	Mwagundul	12-Oct-09	Deep well	4.02381	33.17314	1125	Clear	Fresh	27.2	6.2	0.800	46.00
HP-548	Nzegal	Nata	Kanolo	Busiya	12-Oct-09	Shallow well	3.96281	33.13461	1104	Clear	Fresh	26.4	5.9	0.400	50.00
HP-549	Nzegal	Nata	Kanolo	Kanolo	12-Oct-09	Shallow well	3.98252	33.13026	1110	Clear	Fresh	26.0	5.8	0.800	49.20
HP-550	Nzegal	Nata	Kanolo	Sekel	12-Oct-09	Deep well	3.99754	33.17268	1107	Clear	Fresh	26.4	6.2	0.400	49.50
HP-551	Nzegal	Nata	Kanolo	Sekel	12-Oct-09	Deep well	3.97024	33.15418	1102	Clear	Fresh	26.2	6.3	ND	48.80
HP-558	Nzegal	Ndala	Uhemeli	Uhemeli Kati	26-Oct-09	Shallow well	4.77846	33.23186	1233	Clear	Salty	28.7	6.3	1.410	122.00
HP-562	Nzegal	Nkiniziwa	Nkiniziwa	Nkiniziwa 'A'	25-Oct-09	Deep well	4.59166	33.16132	1230	Milky	Clear	28.0	5.7	0.400	6.40
HP-563	Nzegal	Nkiniziwa	Nkiniziwa	Nkiniziwa 'B'	25-Oct-09	Deep well	4.57544	33.15707	1215	Milky	Clear	28.8	6.3	0.400	7.00
HP-565	Nzegal	Nzegal Mjini	Nzegal Mjini	Ipilili 'A'	11-Nov-09	Deep well	4.22202	33.18679	1226	Clear	Fresh	26.0	6.9	0.400	6.40
HP-566	Nzegal	Nzegal Mjini	Nzegal Mjini	Kachoma	11-Nov-09	Deep well	4.22204	33.18955	1226	Clear	Salty	26.3	7.2	0.800	56.00
HP-567	Nzegal	Nzegal Mjini	Nzegal Mjini	Kachoma	11-Nov-09	Deep well	4.22285	33.19149	1224	Clear	Tasteless	26.0	6.9	0.800	54.00
HP-568	Nzegal	Nzegal Mjini	Nzegal Mjini	Majengo	11-Nov-09	Deep well	4.21608	33.17864	1242	Clear	Fresh	27.0	6.3	0.400	4.50
HP-569	Nzegal	Nzegal Mjini	Nzegal Mjini	Majengo	11-Nov-09	Deep well	4.21704	33.18139	1235	Clear	Tasteless	26.3	7.0	0.400	5.60
HP-572	Nzegal	Nzegal Ndogo	Undomo	Ndomo Chevo	12-Oct-09	Deep well	4.14331	33.21764	1177	Clear	Salty	28.2	6.2	0.800	50.00
HP-575	Nzegal	Puge	Busondo	Busondo Mashariki	26-Oct-09	Shallow well	4.6634	33.19199	1237	Clear	Clear	28.7	5.3	0.400	6.20
HP-577	Nzegal	Puge	Busondo	Busondo Mashariki	26-Oct-09	Shallow well	4.66004	33.18281	1236	Clear	Clear	28.2	6.4	0.400	6.30
HP-581	Nzegal	Puge	Busondo	Mwapul	26-Oct-09	Shallow well	4.68497	33.1809	1254	Clear	Clear	28.7	5.9	0.400	6.20
HP-587	Nzegal	Puge	Upungu	Upungu Magharibi	26-Oct-09	Shallow well	4.72777	33.16591	1240	Clear	Clear	28.7	6.3	0.400	6.80
HP-588	Nzegal	Puge	Upungu	Upungu Mashariki	26-Oct-09	Shallow well	4.72825	33.16846	1243	Clear	Clear	28.0	5.9	ND	6.10
HP-596	Nzegal	Shigamba	Kagongwa	Ngukulu	22-Oct-09	Shallow well	4.1959	33.08941	1196	Clear	Fresh	28.3	6.8	0.400	6.30
HP-605	Nzegal	Tongi	Mangashini	Mwaluquisha	7-Nov-09	Shallow well	4.63956	33.33725	1224	Milky	Fresh	26.0	7.5	0.400	6.20
HP-607	Nzegal	Tongi	Ndekeli	Tongi 'A'	7-Nov-09	Shallow well	4.66367	33.29682	1236	Milky	Fresh	26.4	7.0	0.400	5.20
HP-609	Nzegal	Tongi	Ndekeli	Tongi 'B'	7-Nov-09	Shallow well	4.65392	33.28687	1247	Milky	Fresh	26.0	7.4	0.400	6.30

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)ゼンガ果(6/6)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-613	Nzega	Tongli Uduka	Tumbi Kabanga	Tumbi Kati Kabanga	7-Nov-09	Deep well	4.60377	33.29574	1241	Milky	Fresh	27.0	6.5	0.400	4.50
HP-615	Nzega	Uduka	Kabanga	Kabanga	31-Oct-09	Shallow well	4.18064	32.92673	1198	Clear	salty	27.0	4.9	0.800	129.00
HP-616	Nzega	Uduka	Kabanga	Kabanga	31-Oct-09	Shallow well	4.17793	32.92608	1197	Clear	Fresh	27.1	5.4	0.400	32.00
HP-626	Nzega	Uduka	Kabanga	Masindi 'B'	31-Oct-09	Shallow well	4.19651	32.94112	1189	Clear	Fresh	27.6	5.4	0.400	26.00
HP-628	Nzega	Uduka	Uduka	Itanana	31-Oct-09	Shallow well	4.17733	32.90955	1212	Clear	Fresh	27.2	6.0	ND	12.00
HP-630	Nzega	Uduka	Uduka	Itanana	31-Oct-09	Shallow well	4.16447	32.90472	1214	Clear	Fresh	27.9	6.5	ND	9.80
HP-636	Nzega	Uduka	Uduka	Uduka	31-Oct-09	Shallow well	4.18175	32.89256	1218	Milky	Fresh	27.0	7.0	ND	13.00
HP-639	Nzega	Uduka	Usongwamhala	Usongwamhala	31-Oct-09	Shallow well	4.18423	32.86884	1186	Clear	Fresh	27.8	5.8	ND	19.10
HP-641	Nzega	Uduka	Usongwamhala	Kizima	31-Oct-09	Shallow well	4.20047	32.88475	1195	Clear	Fresh	26.2	5.4	ND	15.10
HP-644	Nzega	Uduka	Usongwamhala	Usongwamhala	31-Oct-09	Shallow well	4.20634	32.87599	1187	Clear	Salty	27.0	6.1	ND	250.00
HP-661	Nzega	Weia	Gulumuni	Gulumuni	14-Oct-09	Shallow well	4.17004	33.35041	1164	Milky	Clear	29.2	6.7	ND	11.40
HP-662	Nzega	Weia	Gulumuni	Lindiyati	14-Oct-09	Shallow well	4.17036	33.35089	1163	Milky	Clear	29.3	6.5	ND	10.00
HP-664	Nzega	Weia	Mailita	Isadukilo	14-Oct-09	Shallow well	4.1076	33.32036	1163	Clear	Salty	29.4	6.5	0.800	50.00
HP-665	Nzega	Weia	Mailita	Mwatenge 'A'	14-Oct-09	Shallow well	4.10429	33.32673	1156	Clear	Salty	29.2	6.3	0.400	30.00
HP-667	Nzega	Weia	Mailita	Mwatenge 'B'	14-Oct-09	Shallow well	4.10795	33.31743	1165	Clear	Salty	29.7	6.7	0.800	50.20
HP-670	Nzega	Weia	Weia	Igombe	14-Oct-09	Deep well	4.1546	33.29237	1181	Clear	Salty	29.6	7.3	1.170	155.80
HP-672	Nzega	Weia	Weia	Weia Kati	14-Oct-09	Deep well	4.15594	33.30083	1191	Clear	Salty	29.4	6.8	0.800	50.30

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)シロング果 (1/2)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (µS/cm)
HP-673	Sikonge	Chabutwa	Chabutwa	Chabutwa	7-Nov-09	Shallow well	5.6792	32.74782	1138	Milky	Tasteless	25.6	5.4	0.037	8.53
HP-674	Sikonge	Chabutwa	Chabutwa	Chabutwa	7-Nov-09	Shallow well	5.68866	32.75495	1134	Clear	Tasteless	25.7	4.5	0.031	17.39
HP-675	Sikonge	Chabutwa	Chabutwa	Chabutwa	7-Nov-09	Shallow well	5.69371	32.75464	1133	Milky	Tasteless	25.6	6.2	0.176	8.55
HP-676	Sikonge	Chabutwa	Chabutwa	Chabutwa	7-Nov-09	Deep well	5.69301	32.75059	1134	Clear	Salty	26.2	6.6	0.230	51.80
HP-677	Sikonge	Chabutwa	Chabutwa	Chabutwa	7-Nov-09	Shallow well	5.6912	32.74944	1134	Clear	Salty	25.2	4.4	0.030	34.60
HP-678	Sikonge	Chabutwa	Chabutwa	Kenki	7-Nov-09	Shallow well	5.69226	32.72356	1123	Milky	Tasteless	25.3	5.8	0.045	4.59
HP-684	Sikonge	Chabutwa	Kikungu	Kikungu Kusini	7-Nov-09	Shallow well	5.71747	32.76867	1131	Clear	Tasteless	27.7	5.8	0.062	7.85
HP-691	Sikonge	Chabutwa	Mitwigu	Mitwigu	7-Nov-09	Shallow well	5.73695	32.69795	1113	Clear	Tasteless	26.0	6.4	0.049	5.09
HP-692	Sikonge	Igigwa	Igigwa	Barazani	5-Nov-09	Deep well	5.37894	32.79102	1200	Clear	Salty	27.2	6.8	0.220	12.70
HP-694	Sikonge	Igigwa	Igigwa	Nyakathunga	5-Nov-09	Deep well	5.41805	32.78496	1236	Milky	Salty	24.7	6.5	0.090	12.10
HP-695	Sikonge	Igigwa	Igigwa	Wankolongo	5-Nov-09	Deep well	5.3508	32.7782	1167	Clear	Salty	27.3	6.2	0.159	60.30
HP-696	Sikonge	Igigwa	Igigwa	Lufwisi	5-Nov-09	Shallow well	5.5167	32.80321	1167	Milky	Testless	26.4	6.7	0.150	26.40
HP-698	Sikonge	Ipole	Idekamiso	Idekamiso	10-Nov-09	Shallow well	5.93668	32.77147	1128	Clear	Tasteless	26.0	5.3	0.066	5.83
HP-700	Sikonge	Ipole	Ipole	Ipole Mashariki	7-Nov-09	Shallow well	5.78673	32.73599	1148	Clear	Tasteless	25.5	5.9	0.350	13.90
HP-701	Sikonge	Ipole	Msuva	Msuva	10-Nov-09	Shallow well	5.83813	32.74699	1111	Clear	Salty	25.6	5.7	0.178	14.38
HP-702	Sikonge	Ipole	Udongo	Udongo	7-Nov-09	Shallow well	5.76442	32.73519	1125	Clear	Tasteless	26.3	5.3	0.080	5.22
HP-703	Sikonge	Ipole	Udongo	Udongo Mashariki	7-Nov-09	Shallow well	5.76645	32.73895	1124	Clear	Tasteless	25.8	4.7	0.024	7.83
HP-704	Sikonge	Kiileli	Makua	Magunga	10-Nov-09	Shallow well	5.89091	32.88958	1141	Milky	Salty	27.3	6.1	0.090	16.09
HP-705	Sikonge	Kiileli	Makua	Makua	10-Nov-09	Shallow well	5.91202	32.92888	1133	Milky	Tasteless	29.9	5.9	0.045	8.05
HP-706	Sikonge	Kiileli	Makua	Makua	10-Nov-09	Shallow well	5.91225	32.91544	1135	Clear	Salty	27.4	5.6	0.067	12.81
HP-707	Sikonge	Kiileli	Makua	Songambe	10-Nov-09	Shallow well	5.90014	32.92755	1135	Clear	Slightly Salty	28.3	5.5	0.070	13.78
HP-708	Sikonge	Kiileli	Makua	Tulieni	10-Nov-09	Shallow well	5.9083	32.95834	1135	Clear	Salty	29.0	6.4	0.189	8.03
HP-713	Sikonge	Kiileli	Mwitiko	Mwitiko	8-Nov-09	Shallow well	6.83329	33.36206	1210	Clear	Salty	23.6	5.7	0.038	8.18
HP-714	Sikonge	Kiileli	Mwitiko	Mwitiko	8-Nov-09	Shallow well	6.83342	33.3622	1208	Clear	Salty	22.9	6.9	0.070	5.77
HP-716	Sikonge	Kipanga	Lembeli	Lembeli	10-Nov-09	Deep well	5.83857	32.90658	1149	Clear	Tasteless	27.8	7.1	0.410	55.50
HP-717	Sikonge	Kipanga	Lembeli	Lembeli	10-Nov-09	Shallow well	5.8492	32.91786	1153	Clear	Tasteless	25.9	5.0	0.022	8.09
HP-720	Sikonge	Kipanga	Ukongomoyo	Ukongomoyo	10-Nov-09	Deep well	5.80052	32.88276	1147	Clear	Salty	27.7	6.6	0.310	89.90
HP-721	Sikonge	Kipanga	Uratiki	Uswahilini	10-Nov-09	Shallow well	5.70104	32.90481	1168	Clear	Salty	26.3	6.8	0.350	23.80
HP-722	Sikonge	Kipanga	Usunga	Kilombe	10-Nov-09	Shallow well	5.70752	32.94578	1188	Clear	Salty	27.4	6.9	0.151	36.60
HP-723	Sikonge	Kipanga	Usunga	Makumbusho	10-Nov-09	Shallow well	5.70587	32.93696	1186	Clear	Salty	25.9	7.3	0.300	67.70
HP-724	Sikonge	Kipili	Kilumbi	Mkola No. 4	8-Nov-09	Deep well	6.29622	33.84735	1406	Clear	Salty	25.7	6.7	0.193	78.10
HP-726	Sikonge	Kipili	Kilumbi	Mkola No. 4	8-Nov-09	Shallow well	6.29771	33.84673	1398	Milky	Salty	26.0	6.9	0.080	15.50
HP-732	Sikonge	Kipili	Zugimlolo	Changombe Na 5	8-Nov-09	Shallow well	6.07116	33.92957	1518	Clear	Tasteless	23.9	5.7	0.072	8.25
HP-733	Sikonge	Kipili	Zugimlolo	Mkwese	8-Nov-09	Shallow well	6.04757	33.91832	1542	Clear	Tasteless	23.0	4.6	0.021	10.82
HP-734	Sikonge	Kipili	Zugimlolo	Tupendani	8-Nov-09	Shallow well	6.07854	33.9077	1504	Clear	Tasteless	24.0	5.6	0.044	6.77
HP-735	Sikonge	Kitunda	Mgaambo	Kamata Na 5	9-Nov-09	Shallow well	6.88206	33.25557	1210	Clear	Salty	24.5	5.6	0.041	11.50
HP-738	Sikonge	Kitunda	Mgaambo	Lukula	9-Nov-09	Shallow well	6.84566	33.25003	1176	Milky	Salty	24.8	6.0	0.024	14.40
HP-742	Sikonge	Kitunda	Mgaambo	Lukula	9-Nov-09	Shallow well	6.8336	33.2515	1181	Clear	Tasteless	26.0	5.9	0.024	10.66
HP-746	Sikonge	Kitunda	Mwenge	Mission	9-Nov-09	Shallow well	6.80405	33.20034	1186	Milky	Salty	27.0	6.9	0.170	35.00
HP-747	Sikonge	Kitunda	Mwenge	Mkola	9-Nov-09	Shallow well	6.84941	33.20837	1204	Clear	Salty	26.7	6.2	0.075	15.55
HP-748	Sikonge	Kitunda	Mwenge	Mkola	9-Nov-09	Shallow well	6.84122	33.21316	1190	Clear	Salty	25.7	6.6	0.143	31.50
HP-749	Sikonge	Pangale	Ibava	Ibava	5-Nov-09	Shallow well	5.3158	32.69873	1154	Milky	Salty	24.7	7.0	0.400	21.20
HP-750	Sikonge	Pangale	Mpombwe	Mpombwe	4-Nov-09	Shallow well	5.35745	32.69572	1152	Clear	Tasteless	27.0	5.5	0.052	10.36
HP-751	Sikonge	Pangale	Pangale	Logel	5-Nov-09	Shallow well	5.30291	32.73691	1146	Clear	Tasteless	27.0	6.3	0.220	18.83
HP-752	Sikonge	Pangale	Pangale	Pangale	5-Nov-09	Shallow well	5.28629	32.71206	1151	Clear	Tasteless	26.3	6.6	0.030	8.13
HP-753	Sikonge	Pangale	Pangale	Pangale	5-Nov-09	Shallow well	5.27302	32.71783	1142	Clear	Tasteless	27.0	6.6	0.980	60.30
HP-755	Sikonge	Pangale	Usesula	Usesula	5-Nov-09	Shallow well	5.24707	32.67999	1151	Clear	Salty	26.8	6.2	0.080	34.40
HP-756	Sikonge	Sikonge	Kisanga	Changombe	5-Nov-09	Deep well	5.55944	32.81601	1176	Clear	Salty	27.7	6.6	0.360	88.30
HP-757	Sikonge	Sikonge	Kisanga	Kisanga Kati	5-Nov-09	Deep well	5.55908	32.84062	1219	Clear	Testless	26.6	6.6	0.185	16.40

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)シヨング集(2/2)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-758	Sikonge	Sikonge	Mkolive	Isunda	4-Nov-09	Shallow well	5.54793	32.67338	1136	Clear	Tasteless	27.8	6.0	0.050	27.60
HP-759	Sikonge	Sikonge	Mkolive	Itunda	4-Nov-09	Shallow well	5.5628	32.69639	1147	Clear	Tasteless	27.4	5.5	0.030	11.50
HP-761	Sikonge	Sikonge	Mkolive	Ng'olohano	4-Nov-09	Shallow well	5.55632	32.65146	1119	Clear	Tasteless	27.8	5.6	0.058	6.30
HP-762	Sikonge	Sikonge	Mlogolo	Mlogolo	4-Nov-09	Shallow well	5.58729	32.72963	1150	Clear	Salty	26.9	6.4	0.250	27.50
HP-763	Sikonge	Sikonge	Mlogolo	Mlogolo	4-Nov-09	Shallow well	5.58403	32.72175	1150	Clear	Salty	26.9	6.4	0.240	25.50
HP-765	Sikonge	Sikonge	Sikonge	Iyambakuzova	3-Nov-09	Shallow well	5.6437	32.78474	1138	Milky	Tasteless	27.5	5.4	0.061	11.65
HP-766	Sikonge	Sikonge	Sikonge	Iyambakuzova	3-Nov-09	Shallow well	5.64342	32.77489	1140	Milky	Tasteless	29.6	6.2	0.220	6.34
HP-767	Sikonge	Sikonge	Sikonge	Kangogel	3-Nov-09	Shallow well	5.62874	32.72774	1117	Milky	Salty	25.3	5.9	0.220	14.54
HP-768	Sikonge	Sikonge	Sikonge	Kangogel	3-Nov-09	Shallow well	5.63173	32.72877	1117	Clear	Tasteless	25.1	7.6	0.077	5.74
HP-771	Sikonge	Sikonge	Sikonge	Mbirani	3-Nov-09	Shallow well	5.60816	32.75003	1161	Clear	Salty	26.2	6.5	0.250	46.20
HP-772	Sikonge	Sikonge	Sikonge	Mbirani	3-Nov-09	Shallow well	5.61491	32.75217	1151	Clear	Salty	24.2	6.2	0.156	47.80
HP-775	Sikonge	Sikonge	Sikonge	Ukanga	3-Nov-09	Shallow well	5.61347	32.73171	1134	Clear	Salty	25.0	6.1	0.320	20.10
HP-776	Sikonge	Sikonge	Sikonge	Ukanga	3-Nov-09	Shallow well	5.61133	32.70323	1120	Clear	Tasteless	25.3	6.0	0.043	8.76
HP-779	Sikonge	Sikonge	Sikonge	Usega	3-Nov-09	Shallow well	5.6306	32.74751	1130	Clear	Salty	24.4	6.9	0.420	65.90
HP-781	Sikonge	Sikonge	Sikonge	Usupilo A	3-Nov-09	Shallow well	5.61808	32.76138	1148	Clear	Tasteless	27.6	5.9	0.063	13.53
HP-782	Sikonge	Sikonge	Sikonge	Usupilo B	3-Nov-09	Shallow well	5.63034	32.75115	1146	Clear	Tasteless	26.0	6.1	0.159	49.50
HP-783	Tutuo	Tutuo	Mitowo	Kakulungur/Timkeni	4-Nov-09	Shallow well	5.48874	32.60207	1114	Clear	Salty	25.5	5.5	0.140	6.60
HP-787	Sikonge	Tutuo	Mole	Kiloleni A	4-Nov-09	Shallow well	5.45022	32.62904	1139	Clear	Tasteless	27.4	5.9	0.018	11.66
HP-788	Sikonge	Tutuo	Mole	Kiloleni A	4-Nov-09	Shallow well	5.44948	32.62112	1143	Clear	Tasteless	25.8	5.2	0.040	7.20
HP-790	Sikonge	Tutuo	Mole	Uyatva	4-Nov-09	Shallow well	5.45127	32.61186	1143	Clear	Tasteless	26.5	5.2	0.028	6.30
HP-791	Sikonge	Tutuo	Mlungano	Kabanga A	4-Nov-09	Shallow well	5.47459	32.66139	1136	Clear	Tasteless	27.4	5.7	0.067	6.60
HP-793	Sikonge	Tutuo	Tutuo	Lehani	4-Nov-09	Shallow well	5.50894	32.6911	1134	Clear	Tasteless	27.7	6.1	0.070	5.86
HP-796	Sikonge	Tutuo	Tutuo	Madukani	4-Nov-09	Shallow well	5.48274	32.67671	1142	Clear	Tasteless	28.9	6.6	0.090	10.60
HP-799	Sikonge	Tutuo	Tutuo	Tutuo Shuleni	4-Nov-09	Shallow well	5.49292	32.67781	1134	Milky	Tasteless	28.7	6.3	0.340	20.00

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)タボラ・ルーラル県 (1/3)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (µS/cm)
HP-800	Tabora Rural	Bukumbi	Ishihimulwa	Ishihimulwa	13-Oct-09	Deep well	4.39848	32.51017	1187	Clear	Salty	26.6	6.5	0.400	32.50
HP-803	Tabora Rural	Goweke	Nsololo	Kanala	14-Oct-09	Shallow well	5.35232	33.13509	1181	Clear	Salty	26.0	5.6	0.380	21.10
HP-804	Tabora Rural	Goweke	Nsololo	Kanala	14-Oct-09	Shallow well	5.34255	33.14063	1059	Clear	Tasteless	26.2	5.7	0.380	3.92
HP-805	Tabora Rural	Goweke	Nsololo	Kanala	14-Oct-09	Deep well	5.37124	33.12229	1191	Milky	Tasteless	26.8	5.8	0.700	40.40
HP-806	Tabora Rural	Goweke	Nsololo	Ngulumwa	14-Oct-09	Shallow well	4.40457	33.14313	1111	Clear	Salty	28.4	6.4	0.420	50.80
HP-811	Tabora Rural	Ibiri	Ibiri	Katigile	22-Oct-09	Shallow well	4.92688	32.59551	1125	Clear	Tasteless	28.3	6.4	0.200	24.60
HP-812	Tabora Rural	Ibiri	Ibiri	Katigile	22-Oct-09	Shallow well	4.92748	32.60189	1126	Clear	Salty	25.9	6.6	0.500	27.90
HP-814	Tabora Rural	Ibiri	Ibiri	Katigile	22-Oct-09	Shallow well	4.91575	32.59749	1145	Clear	Salty	26.5	6.8	1.900	6.40
HP-816	Tabora Rural	Ibiri	Ibiri	Makungwele	22-Oct-09	Shallow well	4.89311	32.59374	1131	Milky	Tasteless	29.7	5.5	0.210	2.00
HP-818	Tabora Rural	Ibiri	Ibiri	Mpungu	22-Oct-09	Shallow well	4.91426	32.56816	1173	Clear	Tasteless	26.1	5.6	0.147	113.20
HP-820	Tabora Rural	Ibiri	Ibiri	Mpungu	22-Oct-09	Shallow well	4.91308	32.57832	1175	Clear	Tasteless	28.0	7.0	0.900	96.30
HP-821	Tabora Rural	Ibiri	Ibiri	Mpungu	22-Oct-09	Shallow well	4.91646	32.59125	1186	Milky	Tasteless	26.6	6.5	0.350	55.00
HP-823	Tabora Rural	Ibiri	Inonelwa	Migombani	23-Oct-09	Shallow well	4.94683	32.62439	1167	Clear	Tasteless	26.8	5.5	0.600	123.80
HP-824	Tabora Rural	Ibiri	Inonelwa	Migombani	23-Oct-09	Shallow well	4.93398	32.62689	1184	Clear	Salty	29.5	5.6	0.600	87.50
HP-825	Tabora Rural	Ibiri	Inonelwa	Ukaiwa	23-Oct-09	Shallow well	4.95766	32.62019	1092	Clear	Tasteless	27.6	6.1	1.115	79.50
HP-826	Tabora Rural	Ibiri	Inonelwa	Ukaiwa	23-Oct-09	Shallow well	4.96397	32.60551	1126	Clear	Tasteless	27.8	5.6	0.600	27.30
HP-827	Tabora Rural	Ibiri	Inonelwa	Ukaiwa	23-Oct-09	Shallow well	4.95414	32.62671	1149	Clear	Tasteless	28.0	5.2	0.600	59.10
HP-828	Tabora Rural	Ibiri	Isimu	Isimu	23-Oct-09	Shallow well	4.88006	32.57449	1084	Clear	Salty	26.7	7.2	0.640	30.40
HP-829	Tabora Rural	Ibiri	Isimu	Isimu	23-Oct-09	Shallow well	4.87865	32.58547	1102	Muddy	Salty	29.3	7.0	0.570	38.12
HP-830	Tabora Rural	Ibiri	Isimu	Isimu	23-Oct-09	Shallow well	4.87176	32.56978	1121	Muddy	Salty	26.5	7.4	0.800	15.95
HP-832	Tabora Rural	Ibiri	Kilungu	Kasega Kichangani	29-Oct-09	Shallow well	4.81482	32.51845	1119	Clear	Tasteless	29.9	5.9	0.390	7.66
HP-833	Tabora Rural	Ibiri	Kilungu	Kasega Kichangani	29-Oct-09	Shallow well	4.80172	32.51767	1133	Clear	Tasteless	26.9	6.1	0.240	10.02
HP-834	Tabora Rural	Ibiri	Kilungu	Kilungu	29-Oct-09	Shallow well	4.83107	32.53566	1139	Clear	Tasteless	26.4	6.8	0.910	19.04
HP-835	Tabora Rural	Ibiri	Kilungu	Kilungu	29-Oct-09	Shallow well	4.82898	32.51456	1134	Clear	Tasteless	26.5	6.3	0.510	17.32
HP-836	Tabora Rural	Ibiri	Kilungu	Kilungu	29-Oct-09	Shallow well	4.84154	32.52047	1147	Clear	Tasteless	24.1	6.0	0.200	8.24
HP-837	Tabora Rural	Ibiri	Mwakashindye	Kiniga	23-Oct-09	Shallow well	4.8246	32.64205	1162	Milky	Tasteless	26.7	6.3	0.910	74.20
HP-838	Tabora Rural	Ibiri	Mwakashindye	Mnyeeta	23-Oct-09	Shallow well	4.8147	32.58088	1187	Clear	Salty	26.1	6.0	0.270	82.00
HP-839	Tabora Rural	Ibiri	Mwakashindye	Mwakashindye	23-Oct-09	Shallow well	4.83376	32.61873	1138	Clear	Tasteless	27.3	6.9	0.400	70.90
HP-840	Tabora Rural	Ibiri	Mwakashindye	Mwakashindye	23-Oct-09	Shallow well	4.81649	32.62473	1044	Clear	Tasteless	27.2	6.7	0.990	40.30
HP-843	Tabora Rural	Igalula	Kawekapina	Changombel	14-Oct-09	Deep well	5.28982	32.99182	1195	Clear	Salty	27.0	6.3	0.400	35.80
HP-844	Tabora Rural	Igalula	Kawekapina	Kawekapina	14-Oct-09	Deep well	5.29658	32.99721	1200	Clear	Salty	27.0	6.3	0.670	28.20
HP-845	Tabora Rural	Igalula	Kawekapina	Ntulu	14-Oct-09	Deep well	5.29186	33.05941	1188	Clear	Salty	27.4	7.1	0.770	50.90
HP-847	Tabora Rural	Igalula	Kigwa B	Maqiri Chini	15-Oct-09	Shallow well	5.10333	33.1136	1196	Clear	Tasteless	28.4	6.9	0.800	2.40
HP-848	Tabora Rural	Igalula	Kigwa B	Maqiri Chini	15-Oct-09	Shallow well	5.11553	33.08199	1235	Clear	Tasteless	26.0	5.6	0.400	62.20
HP-851	Tabora Rural	Igalula	Kigwa B	Majengo	15-Oct-09	Shallow well	5.11817	33.1258	1217	Milky	Tasteless	26.0	6.3	0.800	61.40
HP-852	Tabora Rural	Igalula	Kigwa B	Majengo	15-Oct-09	Shallow well	5.11855	33.12433	1231	Milky	Tasteless	26.5	6.6	0.860	42.30
HP-853	Tabora Rural	Igalula	Kigwa B	Majengo	15-Oct-09	Shallow well	5.11767	33.12576	1294	Clear	Salty	26.0	6.5	0.800	56.60
HP-856	Tabora Rural	Igalula	Kigwa B	N'gambo	15-Oct-09	Shallow well	5.13449	33.11184	1186	Clear	Tasteless	25.6	6.2	0.460	13.15
HP-857	Tabora Rural	Igalula	Kigwa B	N'gambo	15-Oct-09	Shallow well	5.13172	33.11065	1221	Reddish	Tasteless	27.5	6.7	0.860	33.40
HP-858	Tabora Rural	Igalula	Kigwa B	N'gambo	15-Oct-09	Deep well	5.12545	33.10933	1140	Milky	Tasteless	25.2	6.4	0.610	53.40
HP-860	Tabora Rural	Igalula	Nzigala	Mizwaziwa	7-Oct-09	Shallow well	5.19614	33.20279	1133	Clear	fresh	28.0	6.5	0.800	112.60
HP-861	Tabora Rural	Igalula	Nzigala	Mizwaziwa	7-Oct-09	Deep well	5.16912	33.26149	1128	Clear	fresh	28.0	6.2	0.500	117.40
HP-863	Tabora Rural	Igalula	Nzigala	Nzigala B	7-Oct-09	Shallow well	5.17191	33.21419	1132	Clear	fresh	25.9	6.0	0.300	124.80
HP-864	Tabora Rural	Igalula	Ilongulu	Ilongulu Mjini	18-Oct-09	Shallow well	5.09614	32.63634	1052	Clear	Tasteless	25.0	5.9	0.400	94.80
HP-865	Tabora Rural	Igalula	Ilongulu	Ilongulu	18-Oct-09	Shallow well	5.09306	32.63684	1129	Milky	Tasteless	25.3	5.1	0.400	106.80
HP-867	Tabora Rural	Igalula	Ilongulu	Ibasa	21-Oct-09	Shallow well	5.06231	32.59903	1202	Clear	Tasteless	26.0	6.5	0.300	75.10
HP-868	Tabora Rural	Igalula	Ilongulu	Isila	21-Oct-09	Shallow well	5.05756	32.58707	1211	Clear	Salty	26.8	7.0	0.400	29.90
HP-870	Tabora Rural	Igalula	Mboia	Mboia C	21-Oct-09	Shallow well	5.02227	32.58953	1220	Milky	Salty	26.8	5.3	0.400	80.90
HP-873	Tabora Rural	Isikizya	Ibelamilundi	Ibelamilundi Senta A	24-Oct-09	Shallow well	4.87996	33.18148	1268	Clear	Tasteless	28.3	6.9	0.320	62.30

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)タボラ・ルール県 (2/3)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (µmS/cm)
HP-875	Tabora Rural	Isikiza	Ibushi	Idete	24-Oct-09	Deep well	4.86131	33.12488	1228	Clear	Tasteless	29.7	7.1	0.690	41.90
HP-876	Tabora Rural	Isikiza	Igoko	Igoko Sentia	17-Oct-09	Shallow well	4.82346	33.13181	1239	Milky	Salty	27.4	6.6	0.870	19.32
HP-877	Tabora Rural	Isikiza	Igoko	Kiimaniato	17-Oct-09	Shallow well	4.8288	33.07234	1219	Milky	Tasteless	28.0	5.5	0.400	35.10
HP-879	Tabora Rural	Isikiza	Igoko	Nyamwazi	17-Oct-09	Shallow well	4.80998	33.12291	1218	Clear	Salty	26.2	6.8	0.800	4.20
HP-880	Tabora Rural	Isikiza	Igoko	Pembal	17-Oct-09	Shallow well	4.81837	33.0938	1254	Clear	Salty	27.6	6.6	0.880	8.69
HP-881	Tabora Rural	Isikiza	Ilalwasimba	Inala	7-Oct-09	Deep well	4.89835	33.09654	1232	Milky	Muddy	27.5	5.1	ND	141.00
HP-883	Tabora Rural	Isikiza	Ilalwasimba	Inala	7-Oct-09	Shallow well	4.90445	33.10366	1230	Milky	Muddy	25.9	6.0	0.400	102.00
HP-884	Tabora Rural	Isikiza	Ilalwasimba	Ikonola	7-Oct-09	Shallow well	4.91861	33.13352	1229	Milky	Muddy	27.1	5.3	ND	105.00
HP-885	Tabora Rural	Isikiza	Ilalwasimba	lanou	7-Oct-09	Shallow well	4.90908	33.14984	1243	Milky	Muddy	27.0	5.0	ND	89.00
HP-887	Tabora Rural	Isikiza	Ilalwasimba	Nsaguzi A	7-Oct-09	Shallow well	4.92257	33.10849	1225	Milky	Muddy	26.7	5.1	0.400	67.00
HP-890	Tabora Rural	Isikiza	Ilalwasimba	Ubalai	7-Oct-09	Shallow well	4.89029	33.11221	1237	Milky	Muddy	26.8	6.0	0.400	500.00
HP-891	Tabora Rural	Kizengi	Kizengi	Kabisile	26-Oct-09	Shallow well	5.29721	33.64443	1232	Clear	Tasteless	28.0	5.9	0.400	27.70
HP-892	Tabora Rural	Kizengi	Kizengi	Kizengi Sentia	26-Oct-09	Shallow well	5.34691	33.5798	1180	Clear	Tasteless	25.5	5.0	0.290	15.22
HP-893	Tabora Rural	Kizengi	Kizengi	Kizengi Sentia	26-Oct-09	Shallow well	5.34788	33.58027	1173	Clear	Tasteless	25.3	6.1	0.400	41.20
HP-894	Tabora Rural	Kizengi	Kizengi	Kizengi Sentia	26-Oct-09	Shallow well	5.34628	33.62981	1218	Clear	Salty	26.2	5.3	0.200	14.36
HP-895	Tabora Rural	Kizengi	Kizengi	Nindili	26-Oct-09	Shallow well	5.36279	33.68009	1234	Clear	Tasteless	25.4	7.0	0.500	38.50
HP-897	Tabora Rural	Kizengi	Kizengi	Kalola Niiapanda	26-Oct-09	Shallow well	5.4404	33.64272	1187	Milky	Salty	27.2	6.5	0.520	8.30
HP-898	Tabora Rural	Kizengi	Kizengi	Malongwe Kati	26-Oct-09	Shallow well	5.4372	33.64342	1187	Clear	Tasteless	26.1	6.2	0.200	14.40
HP-899	Tabora Rural	Kizengi	Kizengi	Malongwe Kati	26-Oct-09	Shallow well	5.4372	33.6451	1221	Clear	Tasteless	27.7	7.7	0.800	4.47
HP-901	Tabora Rural	Kizengi	Kizengi	Malongwe Kati	26-Oct-09	Shallow well	5.30743	33.47566	1179	Clear	Salty	26.1	5.1	0.260	23.50
HP-902	Tabora Rural	Kizengi	Kizengi	Mpumbuli	26-Oct-09	Shallow well	4.83174	33.69727	1147	Clear	Salty	28.5	5.6	0.350	16.90
HP-904	Tabora Rural	Loya	Kalangale/Masenge	Mwamlashi	28-Oct-09	Shallow well	5.23444	33.75337	1185	Clear	Salty	26.7	8.0	7.940	156.90
HP-906	Tabora Rural	Loya	Lutona	Legezamwendo	27-Oct-09	Shallow well	5.23214	33.75172	1181	Clear	Salty	25.8	7.8	3.500	22.20
HP-907	Tabora Rural	Loya	Lutona	Legezamwendo	27-Oct-09	Shallow well	5.16113	33.72934	1157	Clear	Salty	27.2	5.5	0.250	23.10
HP-908	Tabora Rural	Loya	Lutona	Lutona	27-Oct-09	Shallow well	5.17559	33.72008	1151	Clear	Salty	27.2	7.3	3.200	2.20
HP-911	Tabora Rural	Loya	Lutona	Mwanzeira	27-Oct-09	Shallow well	5.17896	33.65819	1171	Milky	Tasteless	27.0	6.2	0.500	24.60
HP-913	Tabora Rural	Loya	Miswaki	Mpyaigula	28-Oct-09	Shallow well	4.80649	33.74971	1052	Muddy	Salty	29.0	7.2	0.950	14.60
HP-915	Tabora Rural	Lutende	Mwakadala	Milumba/Mmale	28-Oct-09	Shallow well	4.95059	33.62784	1205	Milky	Taste of Iron	27.3	7.0	0.600	25.30
HP-917	Tabora Rural	Lutende	Mwakadala	Minza	28-Oct-09	Shallow well	4.89289	33.63143	1192	Clear	Salty	28.3	8.8	5.200	188.00
HP-919	Tabora Rural	Mabama	Kalola	Block Farm	18-Oct-09	Shallow well	5.00174	32.49054	1153	Clear	Tasteless	27.0	4.7	0.400	54.40
HP-920	Tabora Rural	Mabama	Kalola	Mbwaigolola	18-Oct-09	Shallow well	4.96504	32.47818	1157	Clear	Tasteless	26.1	5.7	0.800	80.10
HP-923	Tabora Rural	Mabama	Kalola	Tewa	18-Oct-09	Shallow well	5.04353	32.49381	1159	Milky	Tasteless	27.0	5.6	0.420	82.00
HP-925	Tabora Rural	Mabama	Mabama	Mabama Magharibi	18-Oct-09	Shallow well	5.11935	32.51538	1153	Yellowish	Taste of Iron	27.5	6.7	0.470	7.40
HP-926	Tabora Rural	Mabama	Maswanya	Maswanya Magharibi	18-Oct-09	Shallow well	5.05839	32.48911	1149	Clear	Tasteless	27.3	5.2	0.600	83.30
HP-927	Tabora Rural	Mabama	Maswanya	Maswanya Mashariki	18-Oct-09	Shallow well	5.06535	32.49276	1144	Clear	Tasteless	27.6	6.4	0.400	53.80
HP-932	Tabora Rural	Ndono	Ilinka	Ilinka Kiwaniani	20-Oct-09	Shallow well	5.04807	32.40932	1113	Clear	Salty	25.4	5.4	0.800	102.50
HP-935	Tabora Rural	Ndono	Ndono	Ndono Kusini	20-Oct-09	Shallow well	5.1167	32.44386	1174	Milky	Tasteless	25.2	6.2	0.400	144.60
HP-939	Tabora Rural	Ndono	Ndono	Ndono Sentia	20-Oct-09	Shallow well	5.10133	32.44868	1167	Clear	Tasteless	26.2	5.5	0.400	4.09
HP-941	Tabora Rural	Ndono	Ndono	Ndono Sentia	20-Oct-09	Shallow well	5.10649	32.45292	1164	Muddy	Tasteless	24.3	6.2	0.800	85.40
HP-942	Tabora Rural	Ndono	Nkulusi	Nkulusi C	20-Oct-09	Shallow well	4.97913	32.42581	1115	Clear	Tasteless	25.5	6.5	0.400	105.60
HP-945	Tabora Rural	Ndono	Nkulusi	Nkulusi Sentia	20-Oct-09	Shallow well	5.00741	32.42	1137	Clear	Salty	25.8	6.1	0.400	68.00
HP-949	Tabora Rural	Ufuluma	Chessa	Chessa Mlimani	20-Oct-09	Shallow well	4.93353	32.45454	1159	Milky	Salty	24.2	6.8	0.900	43.80
HP-950	Tabora Rural	Ufuluma	Chessa	Igalula	20-Oct-09	Shallow well	4.95214	32.44032	1107	Clear	Tasteless	28.3	6.1	0.400	78.80
HP-953	Tabora Rural	Ufuluma	Chessa	Uzyungula	20-Oct-09	Shallow well	4.93536	32.43245	1090	Clear	Salty	26.6	5.0	0.400	52.00
HP-956	Tabora Rural	Ufuluma	Ufuluma	Imalampaka	18-Oct-09	Shallow well	4.96757	32.39626	1131	Clear	Tasteless	25.2	5.5	0.400	140.60
HP-957	Tabora Rural	Ufuluma	Ufuluma	Imalampaka	18-Oct-09	Shallow well	4.96441	32.39558	1097	Clear	Tasteless	24.3	6.1	0.800	86.50
HP-958	Tabora Rural	Ufuluma	Ufuluma	Ufuluma Sentia	18-Oct-09	Shallow well	4.97836	32.38684	1147	Muddy	Salty	26.3	6.9	0.400	29.90

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)タボラ・ルードラル県 (3/3)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-964	Tabora Rural	Ufuluma	Ugowola	Ugowola B	18-Oct-09	Shallow well	4.96495	32.3502	1156	Clear	Tasteless	26.8	4.9	0.280	74.10
HP-965	Tabora Rural	Upuge	Lunguva	Kalembela	24-Oct-09	Shallow well	4.85388	32.98848	1214	Clear	Tasteless	26.6	5.9	0.400	48.00
HP-966	Tabora Rural	Upuge	Lunguva	Kalembela	24-Oct-09	Shallow well	4.84168	32.97816	1210	Milky	Tasteless	27.9	6.3	0.500	35.30
HP-967	Tabora Rural	Upuge	Lunguva	Lekatugeme	24-Oct-09	Shallow well	4.86801	32.97397	1250	Milky	Tasteless	28.5	6.1	0.500	95.00
HP-968	Tabora Rural	Upuge	Lunguva	Lekatugeme	24-Oct-09	Shallow well	4.89237	32.98521	1255	Clear	Salty	25.8	5.5	0.150	26.40
HP-969	Tabora Rural	Upuge	Lunguva	Mwegelezi	24-Oct-09	Shallow well	4.86649	32.97591	1231	Milky	Tasteless	25.5	6.1	0.500	67.60
HP-970	Tabora Rural	Upuge	Lunguva	Mwegelezi	24-Oct-09	Shallow well	4.86816	32.98889	1234	Milky	Tasteless	25.5	6.2	0.440	53.40
HP-971	Tabora Rural	Upuge	Mhogwe	Mhogwe A	24-Oct-09	Deep well	4.85991	33.00299	1231	Clear	Tasteless	29.9	6.9	1.400	4.63
HP-973	Tabora Rural	Upuge	Uhuru Mbiti	Uhuru Mbiti A	24-Oct-09	Deep well	4.8534	32.95447	1208	Clear	Salty	27.3	6.8	1.250	6.90
HP-974	Tabora Rural	Upuge	Uhuru Mbiti	Uhuru Mbiti B	24-Oct-09	Deep well	4.85376	32.93826	1202	Clear	Salty	28.7	6.1	0.200	32.50
HP-975	Tabora Rural	Upuge	Upuge	Upuge A	7-Oct-09	Deep well	4.91354	32.97441	1256	Milky	Salty	24.5	6.5	0.480	12.20
HP-976	Tabora Rural	Upuge	Upuge	Upuge B	7-Oct-09	Unknown	4.91138	32.98943	1271	Milky	Salty	25.4	5.9	1.110	18.60
HP-977	Tabora Rural	Usagari	Azimio	Azimio	21-Oct-09	Shallow well	4.85757	32.46134	1110	Clear	Tasteless	27.6	6.3	0.400	72.00
HP-978	Tabora Rural	Usagari	Imalauduki	Imalauduki	21-Oct-09	Shallow well	4.92096	32.49089	1053	Clear	Salty	26.9	6.3	0.400	42.50
HP-979	Tabora Rural	Usagari	Imalauduki	Imalauduki	21-Oct-09	Shallow well	4.92852	32.48821	1103	Clear	Tasteless	27.2	6.2	0.400	98.60
HP-980	Tabora Rural	Usagari	Imalauduki	Imalauduki	21-Oct-09	Shallow well	4.9172	32.49601	1149	Clear	Tasteless	26.0	5.6	0.090	118.80
HP-986	Tabora Rural	Usagari	Msimba	Kabeleka	7-Oct-09	Shallow well	4.92802	32.53091	1255	Milky	Taste of Iron	27.4	6.3	0.770	18.19
HP-987	Tabora Rural	Usagari	Msimba	Mienda	7-Oct-09	Shallow well	4.92542	32.52162	1256	Milky	Taste of Iron	25.8	4.7	0.260	21.90
HP-988	Tabora Rural	Usagari	Msimba	Mienda	7-Oct-09	Shallow well	4.9208	32.51358	1258	Milky	Taste of Iron	25.8	6.7	1.140	35.40
HP-989	Tabora Rural	Usagari	Msimba	Msimba Sentia	7-Oct-09	Shallow well	4.91511	32.53091	1260	Clear	Taste of Iron	26.2	5.6	0.120	12.33
HP-990	Tabora Rural	Usagari	Msimba	Msimba Sentia	7-Oct-09	Shallow well	4.91377	32.53743	1268	Clear	Salty	26.9	6.8	1.320	76.70

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)タボラ市 (1/2)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-992	Tabora Urban	Itelemia	Itelemia	Isukamahela	9-Oct-09	Shallow well	5.11722	32.78259	1187	Milky	Good	26.8	5.8	0.400	70.40
HP-993	Tabora Urban	Itelemia	Itelemia	Kipalapala Kaskazini	9-Oct-09	Shallow well	5.09528	32.789	1191	Milky	Good	27.6	6.0	0.400	43.50
HP-995	Tabora Urban	Itelemia	Itelemia	Kipalapala Kati	9-Oct-09	Shallow well	5.10727	32.7954	1178	Milky	Good	27.0	6.5	0.400	19.40
HP-996	Tabora Urban	Itelemia	Itelemia	Kipalapala Kati	9-Oct-09	Shallow well	5.09044	32.79254	1202	Milky	Good	27.4	6.5	0.800	36.40
HP-997	Tabora Urban	Itelemia	Itelemia	Kipalapala Magharibi	9-Oct-09	Shallow well	5.13091	32.77881	1185	Milky	Good	26.6	6.4	0.400	23.20
HP-999	Tabora Urban	Itelemia	Itelemia	Kipalapala Masahariki	9-Oct-09	Shallow well	5.05652	32.77227	1196	Milky	Good	26.0	6.3	0.400	2.60
HP-1001	Tabora Urban	Itelemia	Itelemia	Kipalapala Masahariki	9-Oct-09	Shallow well	5.09424	32.79652	1199	Milky	Good	27.7	6.5	0.400	40.50
HP-1004	Tabora Urban	Itelemia	Itelemia	Kipalapala Masahariki	9-Oct-09	Shallow well	5.06478	32.7841	1215	Milky	Good	26.6	6.1	0.400	18.00
HP-1005	Tabora Urban	Itelemia	Itelemia	Kwiharara	9-Oct-09	Shallow well	5.06356	32.78117	1215	Milky	Good	23.3	6.1	0.400	23.80
HP-1008	Tabora Urban	Itelemia	Itelemia	Masimba	9-Oct-09	Shallow well	5.07685	32.79732	1195	Milky	Mud	27.2	5.8	ND	5.60
HP-1009	Tabora Urban	Itelemia	Lusanqi	Igombanilo	10-Oct-09	Deep well	5.16886	32.75421	1166	Milky	Salty	27.0	6.1	0.800	6.28
HP-1010	Tabora Urban	Itelemia	Lusanqi	Igombanilo	10-Oct-09	Unknown	5.18106	32.75098	1150	Milky	Fresh	26.4	5.5	0.400	8.15
HP-1011	Tabora Urban	Itelemia	Lusanqi	kikundi	10-Oct-09	Deep well	5.17854	32.73516	1144	Milky	Fresh	26.2	6.5	0.800	1.89
HP-1013	Tabora Urban	Itelemia	Lusanqi	Mtakuja Magharibi	10-Oct-09	Shallow well	5.14613	32.74443	1150	Milky	Fresh	27.4	6.1	ND	7.73
HP-1015	Tabora Urban	Itelemia	Lusanqi	Mtakuja Masahariki	10-Oct-09	Unknown	5.15478	32.75762	1190	Clear	Salty	26.7	5.7	0.600	1.52
HP-1016	Tabora Urban	Itelemia	Lusanqi	Tiarra	10-Oct-09	Deep well	5.15489	32.72576	1143	Clear	Partable	27.6	5.0	0.400	6.27
HP-1018	Tabora Urban	Itelemia	Ntalikwa	Ntalikwa Kati	10-Oct-09	Unknown	5.11319	32.73984	1203	Milky	FRESH	25.0	6.2	0.400	7.50
HP-1021	Tabora Urban	Itelemia	Ntalikwa	Usengel	10-Oct-09	Unknown	5.07061	32.74354	1196	Clear	Salty	25.6	6.7	0.800	3.75
HP-1022	Tabora Urban	Itelemia	Ntalikwa	Manolele	8-Oct-09	Shallow well	4.98267	32.9248	1221	Milky	Tasteless	25.5	6.1	0.400	12.68
HP-1031	Tabora Urban	Itonjanda	Itonjanda	Nyambele	8-Oct-09	Shallow well	4.97069	32.9494	1245	Milky	Tasteless	25.2	5.9	0.400	12.61
HP-1034	Tabora Urban	Itonjanda	Itonjanda	Nyambele	8-Oct-09	Shallow well	4.9663	32.95261	1243	Milky	Tasteless	25.4	6.1	0.900	15.68
HP-1037	Tabora Urban	Kakola	Igombe	Ikomwa	8-Oct-09	Deep well	4.77268	32.79901	1149	Clear	Tasteless	25.3	5.7	0.300	7.09
HP-1038	Tabora Urban	Kakola	Igombe	Kapunze	9-Oct-09	Deep well	4.741	32.79256	1146	Clear	Salty	21.9	6.5	0.390	18.23
HP-1039	Tabora Urban	Kakola	Igombe	Kapunze	9-Oct-09	Deep well	4.71691	32.77958	1139	Clear	Tasteless	24.2	5.5	0.144	6.90
HP-1040	Tabora Urban	Kakola	Kakola	Kakola	9-Oct-09	Shallow well	4.86728	32.82923	1186	Milky	Tasteless	24.3	6.1	0.700	8.82
HP-1041	Tabora Urban	Kakola	Magoweko	Magoweko	9-Oct-09	Shallow well	4.84776	32.78716	1158	Milky	Salty	26.4	6.1	0.600	14.94
HP-1042	Tabora Urban	Kalunde	Izimbilli	Izimbilli	10-Oct-09	Unknown	5.00388	32.72611	1184	Clear	Clear	26.7	5.2	0.400	28.00
HP-1043	Tabora Urban	Kalunde	Kalunde	Block farm	10-Oct-09	Shallow well	4.90981	32.67121	1127	Muddy	Clear	27.2	5.7	ND	16.00
HP-1044	Tabora Urban	Kalunde	Kalunde	Block farm	10-Oct-09	Shallow well	4.91508	32.65258	1134	Muddy	Clear	26.8	5.8	ND	17.20
HP-1045	Tabora Urban	Kalunde	Kalunde	Block farm	10-Oct-09	Shallow well	4.90359	32.63684	1129	Clear	Clear	26.8	5.5	0.400	18.00
HP-1046	Tabora Urban	Kalunde	Kalunde	Block farm	10-Oct-09	Shallow well	4.95742	32.68961	1150	Clear	Clear	26.2	6.2	0.400	16.20
HP-1047	Tabora Urban	Kalunde	Kalunde	Msanqi	10-Oct-09	Shallow well	4.95075	32.65995	1150	Clear	Clear	26.8	5.3	0.400	18.30
HP-1048	Tabora Urban	Kalunde	Kalunde	Msanqi	10-Oct-09	Shallow well	4.9372	32.64947	1143	Clear	Clear	26.9	5.4	0.800	19.00
HP-1049	Tabora Urban	Kalunde	Kalunde	Umanda	10-Oct-09	Shallow well	4.87679	32.65935	1133	Clear	Clear	26.4	6.4	0.400	30.00
HP-1050	Tabora Urban	Kalunde	Kalunde	Umanda	10-Oct-09	Shallow well	4.87499	32.64573	1127	Clear	Clear	26.9	5.6	0.400	22.00
HP-1051	Tabora Urban	Kalunde	Uimba	Iwongal	10-Oct-09	Shallow well	5.00257	32.74816	1179	Clear	Clear	26.9	5.8	0.800	6.30
HP-1053	Tabora Urban	Kalunde	Uimba	Ujimbilli	10-Oct-09	Shallow well	4.99317	32.7568	1173	Clear	Clear	26.8	6.2	0.400	12.00
HP-1054	Tabora Urban	Misha	Igambilo	Igambilo kati	9-Oct-09	Shallow well	4.91246	32.72348	1143	Milky	Tasteless	26.0	6.6	1.010	11.15
HP-1055	Tabora Urban	Misha	Kabila	Kabila Kati	9-Oct-09	Shallow well	4.84667	32.76693	1185	Clear	Tasteless	26.6	5.2	0.200	13.64
HP-1057	Tabora Urban	Misha	Masaqala	Masaqala Kati	15-Nov-09	Deep well	4.93459	32.80145	1204	Milky	Salty	24.8	6.5	0.560	103.70
HP-1058	Tabora Urban	Misha	Masaqala	Tumbi	15-Nov-09	Deep well	4.91502	32.79807	1215	Clear	Slightly Salty	25.5	6.7	1.710	51.10
HP-1059	Tabora Urban	Ndevelwa	Inala	Ibasa	8-Oct-09	Shallow well	5.12019	32.95776	1204	Milky	Mud	27.7	6.1	0.400	215.00
HP-1060	Tabora Urban	Ndevelwa	Inala	Inala one	8-Oct-09	Shallow well	5.06829	32.91725	1223	Milky	Mud	24.9	5.9	ND	210.00

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)タボラ市 (2/2)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-1064	Tabora Urban	Ndevelwa	Itulu	Itulu Station	8-Oct-09	Shallow well	5.13734	32.85651	1161	Milky	Mud Taste	25.2	5.2	0.400	120.00
HP-1065	Tabora Urban	Ndevelwa	Ndevelwa	Mishagiwela	15-Nov-09	Deep well	5.1099	32.8763	1207	Milky	Fresh	27.4	7.0	0.400	5.40
HP-1066	Tabora Urban	Ndevelwa	Ndevelwa	Mishagiwela	15-Nov-09	Shallow well	5.10712	32.89387	1217	Milky	Fresh	27.2	7.2	ND	6.30
HP-1068	Tabora Urban	Tumbi	Tumbi	Kipela Kaskazini	10-Oct-09	Shallow well	5.10383	32.69673	1144	Muddy	Clear	26.8	6.4	0.400	40.00
HP-1069	Tabora Urban	Tumbi	Tumbi	Kipela Kusini	10-Oct-09	Shallow well	5.14446	32.68057	1139	Muddy	Clear	26.8	6.8	0.400	48.00
HP-1070	Tabora Urban	Tumbi	Tumbi	Sokoine	10-Oct-09	Shallow well	5.02219	32.66027	1168	Clear	Clear	26.4	6.2	0.800	25.20
HP-1071	Tabora Urban	Tumbi	Tumbi	Tumbi Kibaoni	10-Oct-09	Unknown	5.07702	32.69489	1163	Muddy	Clear	26.7	5.9	0.800	28.00
HP-1072	Tabora Urban	Tumbi	Tumbi	Tumbi Kibaoni	10-Oct-09	Unknown	5.07523	32.69608	1166	Muddy	Clear	26.8	6.1	0.400	30.00
HP-1073	Tabora Urban	Uyui	Imalamihayo	Imalamihayo	9-Oct-09	Shallow well	4.93956	32.88294	1230	Milky	Salty	24.7	5.9	0.900	10.90
HP-1075	Tabora Urban	Uyui	Uyui	Maendeleo	8-Oct-09	Deep well	4.945	32.83281	1193	Milky	Tasteless	25.2	5.6	0.670	19.70
HP-1076	Tabora Urban	Uyui	Kalumwa	Kalumwa	8-Oct-09	Deep well	4.88345	32.86124	1168	Milky	Salty and Odour	24.4	5.9	0.700	15.08

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)ウランポ果 (1/5)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-1077	Urambo	Ichemba	Ichemba	Ichemba	14-Nov-09	Shallow well	4.74781	32.36944	1112	Clear	Fresh	26.5	6.3	0.400	6.30
HP-1078	Urambo	Ichemba	Ichemba	Ichemba	14-Nov-09	Deep well	4.75045	32.35714	1133	Clear	Fresh	26.5	6.3	0.400	6.30
HP-1081	Urambo	Ichemba	Makingi	Makingi	14-Nov-09	Deep well	4.67445	32.28951	1112	Clear	Fresh	28.5	6.3	0.400	4.50
HP-1082	Urambo	Ichemba	Makingi	Makingi	14-Nov-09	Deep well	4.70553	32.31185	1118	Clear	Salty	27.5	6.9	0.800	32.00
HP-1089	Urambo	Igacala	Mwacala	Mwacala	3-Nov-09	Shallow well	4.93634	31.68179	1087	Milky	Salty	26.4	6.7	0.360	28.70
HP-1090	Urambo	Igacala	Igacala No. 6	Igacala No. 6	3-Nov-09	Shallow well	4.93073	31.62133	1097	Milky	Tasteless	26.1	6.4	0.200	9.20
HP-1097	Urambo	Imalamakove	Imalamakove	Imalamakove D	6-Nov-09	Shallow well	5.10725	32.07066	1107	Clear	Tasteless	25.7	6.1	0.086	11.40
HP-1098	Urambo	Imalamakove	Itebulianda	Itebulianda	6-Nov-09	Shallow well	5.20273	32.08471	1098	Clear	Tasteless	27.0	5.4	0.085	62.00
HP-1099	Urambo	Imalamakove	Itebulianda	Mafwengi	6-Nov-09	Deep well	5.20849	32.07949	1097	Clear	Tasteless	26.8	5.7	0.165	15.00
HP-1101	Urambo	Itundu	Itundu	Barabarani	7-Nov-09	Deep well	5.08664	32.15067	1101	Clear	Salty	26.4	5.9	0.190	23.30
HP-1102	Urambo	Itundu	Itundu	Barabarani	7-Nov-09	Deep well	5.08245	32.15135	1106	Clear	Slightly Salty	25.9	6.1	0.162	25.00
HP-1103	Urambo	Itundu	Itundu	Barabarani	7-Nov-09	Deep well	5.08303	32.15911	1106	Clear	Salty	26.5	5.4	0.065	15.00
HP-1106	Urambo	Itundu	Itundu	Barabarani	7-Nov-09	Shallow well	5.09064	32.15805	1100	Milky	Tasteless	26.3	5.8	0.038	6.40
HP-1110	Urambo	Itundu	Itundu	Geradi	7-Nov-09	Shallow well	5.04889	32.14935	1132	Clear	Tasteless	26.7	6.2	0.230	40.00
HP-1111	Urambo	Itundu	Itundu	Geradi	7-Nov-09	Deep well	5.05477	32.14116	1127	Clear	Slightly Salty	26.9	6.2	0.110	15.00
HP-1112	Urambo	Itundu	Itundu	Iyolelo	7-Nov-09	Deep well	5.06195	32.15611	1122	Clear	Salty	26.8	6.8	0.065	62.00
HP-1114	Urambo	Itundu	Itundu	Mafwiga	7-Nov-09	Deep well	5.07903	32.13725	1103	Clear	Slightly Salty	27.1	6.5	0.189	22.00
HP-1115	Urambo	Itundu	Kitete	Wema A	7-Nov-09	Deep well	5.03344	32.17393	1140	Clear	Tasteless	26.7	6.4	0.098	24.00
HP-1116	Urambo	Itundu	Kitete	Wema A	7-Nov-09	Deep well	5.03542	32.16127	1143	Clear	Tasteless	26.9	6.2	0.116	32.00
HP-1117	Urambo	Itundu	Kitete	Wema A	7-Nov-09	Deep well	5.02741	32.18687	1139	Clear	Tasteless	26.7	5.9	0.162	16.00
HP-1118	Urambo	Itundu	Kitete	Wema A	7-Nov-09	Deep well	5.03283	32.18998	1134	Clear	Salty	26.4	6.8	0.110	62.00
HP-1122	Urambo	Itundu	Wema	Wema A	6-Nov-09	Shallow well	5.17596	32.14167	1109	Clear	Tasteless	26.2	5.0	0.017	23.00
HP-1123	Urambo	Itundu	Wema	Wema A	6-Nov-09	Shallow well	5.16921	32.13093	1111	Clear	Tasteless	26.4	5.4	0.031	15.00
HP-1125	Urambo	Kailua	Iindwanoni	Mlungano	3-Nov-09	Deep well	5.03748	31.73544	1086	Clear	Little salty	26.4	6.8	0.200	21.40
HP-1126	Urambo	Kailua	Iindwanoni	Mlungano	3-Nov-09	Shallow well	5.03441	31.72979	1084	Clear	Little salty	27.1	6.4	0.198	18.20
HP-1129	Urambo	Kailua	Kailua Magharibi	Kapuya	3-Nov-09	Shallow well	5.05651	31.78927	1079	Clear	Tasteless	26.9	5.6	1.200	15.60
HP-1134	Urambo	Kailua	Kasungu	Kasungu	3-Nov-09	Deep well	4.99182	31.76794	1097	Clear	Little salty	26.4	6.8	0.340	32.00
HP-1135	Urambo	Kailua	Kasungu	Kasungu Kati	3-Nov-09	Deep well	5.01643	31.80344	1100	Clear	Salty	26.8	6.4	0.240	62.10
HP-1141	Urambo	Kapilula	Kapilula	Usongelani	7-Nov-09	Shallow well	5.07768	32.10764	1117	Clear	Tasteless	26.6	6.3	0.143	9.30
HP-1154	Urambo	Kashishi	Bulela	Bulela	12-Nov-09	Shallow well	4.32128	32.22137	1149	Clear	Tasteless	25.6	6.7	0.340	84.20
HP-1155	Urambo	Kashishi	Bulela	Nyasa	12-Nov-09	Shallow well	4.32795	32.24556	1146	Milky	Tasteless	24.7	6.1	0.200	14.86
HP-1156	Urambo	Kashishi	Busondi	Nyasa	12-Nov-09	Shallow well	4.30599	32.25508	1150	Milky	Tasteless	24.9	6.7	0.380	36.10
HP-1158	Urambo	Kashishi	Busondi	Busondi	4-Nov-09	Shallow well	4.40211	32.29665	1176	Milky	Little salty	25.2	6.1	0.191	17.20
HP-1160	Urambo	Kashishi	Busondi	Malinga	4-Nov-09	Deep well	4.39182	32.31974	1184	Clear	Tasteless	25.6	6.3	0.110	23.00
HP-1161	Urambo	Kashishi	Busondi	Malinga	4-Nov-09	Shallow well	4.41607	32.31428	1172	Clear	Tasteless	25.4	6.2	0.180	32.00
HP-1164	Urambo	Kashishi	Ilege	Itangwa	12-Nov-09	Shallow well	4.44099	32.27105	1177	Clear	Tasteless	25.5	6.2	0.050	20.00
HP-1165	Urambo	Kashishi	Ilege	Mpaqasha	12-Nov-09	Deep well	4.44961	32.35119	1171	Clear	Tasteless	27.5	6.3	0.270	93.00
HP-1166	Urambo	Kashishi	Ilege	Mpaqasha	12-Nov-09	Shallow well	4.43442	32.35279	1178	Clear	Tasteless	27.1	6.1	0.200	104.00
HP-1168	Urambo	Kashishi	Ilege	Shinden	12-Nov-09	Shallow well	4.41591	32.28027	1184	Clear	Tasteless	25.2	6.4	0.057	17.50
HP-1170	Urambo	Kashishi	Ilege	Simkule	12-Nov-09	Shallow well	4.45267	32.27504	1210	Clear	Tasteless	26.1	5.8	0.080	24.00
HP-1171	Urambo	Kashishi	Ilege	Simkule	12-Nov-09	Shallow well	4.44462	32.36347	1189	Milky	Salty	26.8	6.2	0.450	23.80
HP-1172	Urambo	Kashishi	Iyombo	Ibulwa	12-Nov-09	Deep well	4.3572	32.43221	1146	Clear	Salty	26.0	5.9	0.027	70.00
HP-1173	Urambo	Kashishi	Iyombo	Iyombo	12-Nov-09	Shallow well	4.43762	32.42427	1178	Clear	Tasteless	26.0	6.3	0.360	18.70
HP-1174	Urambo	Kashishi	Iyombo	Nyambula	12-Nov-09	Deep well	4.44961	32.45288	1146	Clear	Salty	25.3	6.3	0.330	80.00
HP-1175	Urambo	Kashishi	Iyombo	Wendele	12-Nov-09	Shallow well	4.41115	32.45169	1159	Milky	Salty	25.9	6.5	0.260	75.00
HP-1176	Urambo	Kashishi	Kagera	Kagera A	12-Nov-09	Deep well	4.38897	32.46186	1145	Clear	Tasteless	26.1	5.8	0.210	31.80
HP-1177	Urambo	Kashishi	Kagera	Kagera	12-Nov-09	Deep well	4.40463	32.42286	1177	Clear	Tasteless	26.2	6.4	0.180	12.40
HP-1178	Urambo	Kashishi	Kashishi	Kinamagila	4-Nov-09	Shallow well	4.41808	32.38492	1172	Milky	Little salty	27.1	6.4	0.100	62.00
HP-1179	Urambo	Kashishi	Kashishi	Kinamagila	4-Nov-09	Shallow well	4.41572	32.39738	1176	Milky	Little salty	27.0	6.2	0.197	35.40

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)ウランポ果 (2/5)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-1182	Urambo	Kashishi	Kashishi	Ukungura	4-Nov-09	Shallow well	4.41147	32.35614	1164	Clear	Tasteless	26.8	5.8	0.120	19.70
HP-1183	Urambo	Kashishi	Kashishi	Ugundu	4-Nov-09	Shallow well	4.3616	32.40176	1161	Milky	Little salty	26.9	6.2	0.152	29.00
HP-1184	Urambo	Kashishi	King wangoko	King wangoko	4-Nov-09	Shallow well	4.3922	32.24094	1178	Turbid	Tasteless	24.8	5.7	0.120	28.00
HP-1185	Urambo	Kashishi	King wangoko	Majengo A	4-Nov-09	Shallow well	4.40629	32.2865	1160	Clear	Tasteless	26.1	5.7	0.092	21.00
HP-1186	Urambo	Kashishi	King wangoko	Majengo B	4-Nov-09	Shallow well	4.40366	32.26904	1164	Clear	Tasteless	25.4	6.1	0.063	8.02
HP-1187	Urambo	Kashishi	King wangoko	Miliji	4-Nov-09	Shallow well	4.35976	32.23432	1186	Muddy	Little salty	26.3	6.2	0.192	15.00
HP-1188	Urambo	Kashishi	King wangoko	Mkiingi	4-Nov-09	Shallow well	4.43934	32.23187	1181	Clear	Tasteless	24.8	5.8	0.110	62.00
HP-1189	Urambo	Kashishi	King wangoko	Mononga	4-Nov-09	Shallow well	4.40446	32.2129	1150	Clear	Tasteless	25.1	6.4	0.198	72.00
HP-1190	Urambo	Kashishi	King wangoko	Shiniga	4-Nov-09	Shallow well	4.45705	32.23315	1134	Turbid	Little salty	24.7	5.5	0.066	9.26
HP-1191	Urambo	Kashishi	King wangoko	Shiniga	4-Nov-09	Shallow well	4.44467	32.20955	1117	Turbid	Tasteless	25.3	6.2	0.052	31.00
HP-1192	Urambo	Kashishi	Mgiri	Busubi	4-Nov-09	Shallow well	4.37916	32.28524	1168	Clear	Tasteless	26.4	6.7	0.087	51.00
HP-1193	Urambo	Kashishi	Mgiri	Kilimawe	4-Nov-09	Shallow well	4.43943	32.24637	1142	Clear	Tasteless	25.1	6.1	0.194	12.00
HP-1194	Urambo	Kashishi	Mwendakulima	Katala	4-Nov-09	Shallow well	4.34351	32.28646	1183	Milky	Salty	25.0	6.4	0.350	21.50
HP-1195	Urambo	Kashishi	Mwendakulima	Kidete	12-Nov-09	Deep well	4.34076	32.30816	1197	Clear	Tasteless	26.2	6.0	0.210	27.50
HP-1196	Urambo	Kashishi	Mwendakulima	Kidete	12-Nov-09	Deep well	4.34771	32.3322	1195	Clear	Tasteless	27.1	6.2	0.320	38.90
HP-1197	Urambo	Kashishi	Mwendakulima	Kidete	12-Nov-09	Deep well	4.3599	32.32607	1192	Clear	Tasteless	26.8	6.7	0.135	41.70
HP-1198	Urambo	Kashishi	Mwendakulima	Kidete	12-Nov-09	Shallow well	4.36276	32.29941	1170	Clear	Tasteless	26.4	6.6	0.147	52.70
HP-1199	Urambo	Kashishi	Mwendakulima	Mhanga	12-Nov-09	Deep well	4.30818	32.31342	1179	Slightly Milky	Tasteless	26.9	6.2	0.230	5.96
HP-1200	Urambo	Kashishi	Mwendakulima	Mhanga	12-Nov-09	Shallow well	4.29122	32.31293	1154	Milky	Tasteless	25.4	5.8	0.195	12.70
HP-1201	Urambo	Kashishi	Mwendakulima	Mhanga	12-Nov-09	Shallow well	4.27582	32.29755	1135	Milky	Tasteless	27.9	6.3	0.095	14.43
HP-1202	Urambo	Kashishi	Mwendakulima	Mhanga	12-Nov-09	Shallow well	4.33236	32.31092	1208	Milky	Tasteless	26.5	6.0	0.105	17.30
HP-1203	Urambo	Kashishi	Mwendakulima	Mwendakulima	12-Nov-09	Deep well	4.28008	32.32722	1125	Clear	Salty	24.9	4.5	0.104	21.90
HP-1204	Urambo	Kashishi	Mwendakulima	Mwendakulima	12-Nov-09	Deep well	4.35495	32.29466	1177	Clear	Salty	25.4	6.2	0.290	26.90
HP-1205	Urambo	Kashishi	Nyasa	Itumbo	12-Nov-09	Deep well	4.30499	32.25874	1148	Clear	Salty	25.5	6.0	0.310	38.60
HP-1206	Urambo	Kashishi	Nyasa	Misoke	12-Nov-09	Deep well	4.27588	32.27904	1118	Clear	Tasteless	24.2	5.7	0.260	96.50
HP-1207	Urambo	Kashishi	Sasu	Bulinda	12-Nov-09	Shallow well	4.44308	32.32308	1149	Clear	Salty	26.5	5.2	0.300	19.80
HP-1209	Urambo	Kashishi	Sasu	Ibilingo	12-Nov-09	Deep well	4.49177	32.33434	1156	Clear	Tasteless	25.9	6.3	0.170	15.00
HP-1210	Urambo	Kashishi	Sasu	Ibilingo	12-Nov-09	Shallow well	4.48438	32.34259	1156	Clear	Tasteless	26.6	6.1	0.280	23.40
HP-1211	Urambo	Kashishi	Sasu	Kitenge	12-Nov-09	Shallow well	4.43302	32.2536	1141	Clear	Tasteless	24.9	5.7	0.073	11.30
HP-1212	Urambo	Kashishi	Sasu	Sasu A	12-Nov-09	Deep well	4.46137	32.3174	1179	Clear	Salty	26.2	6.3	0.120	45.00
HP-1213	Urambo	Kashishi	Sasu	Sasu A	12-Nov-09	Deep well	4.46439	32.33128	1135	Clear	Little salty	25.8	5.7	0.230	62.60
HP-1214	Urambo	Kashishi	Sasu	Sasu B	12-Nov-09	Deep well	4.48317	32.29111	1163	Clear	Salty	27.1	5.9	0.370	22.50
HP-1215	Urambo	Kashishi	Selei	Buchama	12-Nov-09	Shallow well	4.36723	32.31703	1172	Clear	Tasteless	26.9	6.0	0.136	43.60
HP-1218	Urambo	Kashishi	Selei	Kasongo	12-Nov-09	Shallow well	4.31635	32.29048	1200	Milky	Tasteless	27.0	6.1	0.090	5.74
HP-1219	Urambo	Kashishi	Selei	Luguma	12-Nov-09	Shallow well	4.32829	32.35482	1152	Slightly Milky	Tasteless	25.1	5.4	0.192	13.60
HP-1220	Urambo	Kashishi	Selei	Luguma	12-Nov-09	Shallow well	4.30771	32.35342	1135	Yellowish	Salty	26.9	6.7	0.200	34.20
HP-1221	Urambo	Kashishi	Selei	Selei	12-Nov-09	Deep well	4.31226	32.32709	1173	Milky	Tasteless	25.0	6.8	0.260	21.20
HP-1222	Urambo	Kashishi	Selei	Selei	12-Nov-09	Deep well	4.33702	32.33057	1191	Slightly Milky	Tasteless	24.3	6.2	0.160	44.80
HP-1223	Urambo	Kazaroho	Igwisi	Imalampaka	5-Nov-09	Shallow well	4.92499	31.89847	1121	Clear	Tasteless	26.0	5.9	0.027	70.00
HP-1224	Urambo	Kazaroho	Igwisi	Twende pamola	5-Nov-09	Shallow well	4.91697	31.9027	1124	Clear	Tasteless	26.0	5.9	0.027	70.00
HP-1226	Urambo	Kazaroho	Kazaroho	Imalahayo A	5-Nov-09	Shallow well	5.0111	31.8556	1102	Clear	Tasteless	26.2	5.6	0.032	15.00
HP-1227	Urambo	Kazaroho	Kazaroho	Imalahayo A	5-Nov-09	Shallow well	5.0136	31.86309	1104	Clear	Tasteless	25.8	6.2	0.052	21.00
HP-1229	Urambo	Kazaroho	Kazaroho	Imalahayo B	5-Nov-09	Shallow well	5.01378	31.86865	1105	Clear	Tasteless	27.2	4.9	0.012	19.00
HP-1230	Urambo	Kazaroho	Kazaroho	Imalahayo B	5-Nov-09	Shallow well	5.01188	31.85869	1102	Clear	Tasteless	27.6	4.6	0.005	8.70
HP-1231	Urambo	Kazaroho	Kazaroho	Imalahayo B	5-Nov-09	Shallow well	5.0149	31.86639	1102	Clear	Tasteless	26.1	5.6	0.061	18.00
HP-1232	Urambo	Kazaroho	Kazaroho	Imalahayo B	5-Nov-09	Shallow well	5.01342	31.86632	1103	Clear	Tasteless	25.4	5.6	0.070	15.30
HP-1235	Urambo	Kazaroho	Usimba	Usimba B	5-Nov-09	Deep well	5.01054	31.92054	1134	Clear	Little salty	26.7	6.1	0.092	112.90
HP-1237	Urambo	Kazaroho	Usimba	Usimba C	5-Nov-09	Deep well	5.00566	31.92617	1131	Clear	Tasteless	28.0	6.2	0.140	43.00
HP-1238	Urambo	Kazaroho	Usimba	Usimba D	5-Nov-09	Deep well	5.00761	31.93162	1134	Clear	Little salty	27.0	6.3	0.180	31.80

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)ウランポ果 (3/5)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-1239	Urambo	Kioleni	Kalembele	Nyerere	9-Nov-09	Shallow well	5.01286	32.29042	1145	Milky	Tasteless	27.2	6.2	0.156	9.00
HP-1242	Urambo	Kioleni	Kioleni	Kioleni A	9-Nov-09	Shallow well	5.01052	32.31057	1137	Clear	Little salty	26.4	6.3	0.230	19.41
HP-1244	Urambo	Kioleni	Kioleni	Kioleni A	9-Nov-09	Shallow well	5.0232	32.32298	1131	Clear	Tasteless	26.5	6.5	0.120	32.00
HP-1246	Urambo	Kioleni	Kioleni	Kioleni B	9-Nov-09	Shallow well	5.04969	32.33878	1132	Muddy	Tasteless	26.8	6.1	0.065	17.20
HP-1247	Urambo	Kioleni	Kinhwa	Mapambano	9-Nov-09	Shallow well	5.04126	32.35703	1137	Clear	Tasteless	25.8	6.1	0.080	6.15
HP-1249	Urambo	Muongano	Kalemela A	Kati	14-Nov-09	Deep well	5.0003	32.05634	1135	Milky	Tasteless	25.6	5.6	0.152	20.00
HP-1250	Urambo	Muongano	Kalemela A	Kustini	14-Nov-09	Deep well	5.02838	32.03862	1113	Clear	Tasteless	26.3	5.9	0.125	26.50
HP-1253	Urambo	Muongano	Kalemela A	Magharibi B	14-Nov-09	Deep well	4.96775	32.0095	1121	Milky	Tasteless	26.6	5.8	0.100	14.70
HP-1254	Urambo	Muongano	Kalemela A	Magharibi B	14-Nov-09	Deep well	5.00216	32.03379	1129	Clear	Tasteless	26.9	6.2	0.115	70.20
HP-1256	Urambo	Muongano	Kalemela A	Mashariki A	14-Nov-09	Deep well	5.00714	32.05744	1144	Milky	Tasteless	26.8	6.2	0.147	16.70
HP-1257	Urambo	Muongano	Kalemela A	Mashariki A	14-Nov-09	Shallow well	4.95824	32.02345	1119	Milky	Tasteless	27.0	5.8	0.037	11.80
HP-1258	Urambo	Muongano	Kalemela A	Mashariki A	14-Nov-09	Deep well	5.01403	32.04673	1126	Clear	Taste of Iron	28.0	6.2	0.104	88.50
HP-1260	Urambo	Muongano	Kalemela A	Mashariki A	14-Nov-09	Shallow well	5.01934	32.05576	1129	Clear	Tasteless	28.0	6.3	0.150	28.00
HP-1261	Urambo	Muongano	Kalemela B	Mwangaza A	14-Nov-09	Deep well	5.01137	32.00478	1132	Clear	Salty	27.0	5.6	0.020	8.10
HP-1262	Urambo	Muongano	Kalemela B	Mwangaza A	14-Nov-09	Deep well	5.02158	32.00653	1136	Clear	Tasteless	27.3	5.7	0.072	8.80
HP-1263	Urambo	Muongano	Kalemela B	Mwangaza A	14-Nov-09	Shallow well	5.02276	31.99607	1138	Clear	Tasteless	26.5	6.3	0.230	21.00
HP-1267	Urambo	Muongano	Muongano	Miakulia B	13-Nov-09	Deep well	5.03239	32.15257	1150	Clear	Salty	27.0	6.3	0.187	97.30
HP-1268	Urambo	Muongano	Muongano	Mtukula	13-Nov-09	Deep well	5.01254	32.1433	1152	Clear	Tasteless	26.7	6.1	0.155	22.10
HP-1271	Urambo	Muongano	Muongano	Mwangaza A	14-Nov-09	Deep well	5.02758	32.12836	1145	Clear	Salty	26.5	6.2	0.240	107.00
HP-1275	Urambo	Mwongozo	Kanoge	Chemchemi	14-Nov-09	Deep well	4.78996	32.33037	1178	Clear	Fresh	26.8	6.8	0.400	4.60
HP-1276	Urambo	Mwongozo	Mwongozo	Kioleni	14-Nov-09	Deep well	4.78094	32.38816	1126	Clear	Salty	26.5	7.2	0.800	23.00
HP-1279	Urambo	Mwongozo	Mwongozo	Milambo	14-Nov-09	Shallow well	4.80489	32.39802	1128	Clear	Fresh	27.0	6.3	ND	4.10
HP-1280	Urambo	Songambe	Igensensabo	Uyogo K	13-Nov-09	Deep well	4.84009	32.00701	1117	Clear	Little salty	26.7	5.9	0.290	52.80
HP-1281	Urambo	Songambe	Igensensabo	Uyogo K	13-Nov-09	Deep well	4.84074	32.03514	1093	Clear	Little salty	25.1	6.1	0.410	32.00
HP-1283	Urambo	Songambe	Igunquli	Maendeleo	13-Nov-09	Shallow well	4.79398	32.07731	1126	Clear	Salty	27.5	6.1	0.130	15.00
HP-1285	Urambo	Songambe	Igunquli	Majengo	13-Nov-09	Deep well	4.83034	32.07457	1107	Clear	Tasteless	26.1	5.9	0.110	15.00
HP-1286	Urambo	Songambe	Igunquli	Mapinduzi	13-Nov-09	Deep well	4.80304	32.13324	1124	Clear	Tasteless	26.8	6.5	0.095	10.30
HP-1287	Urambo	Songambe	Igunquli	Mapinduzi	13-Nov-09	Deep well	4.80181	32.1041	1128	Clear	Tasteless	27.2	6.1	0.120	8.90
HP-1288	Urambo	Songambe	Jionee mwenyewe	Farm 24	13-Nov-09	Deep well	4.81216	32.13364	1105	Clear	Tasteless	25.9	6.1	0.141	5.61
HP-1289	Urambo	Songambe	Jionee mwenyewe	Mazengo	13-Nov-09	Deep well	4.93332	32.16288	1096	Clear	Tasteless	26.2	5.8	0.132	5.01
HP-1290	Urambo	Songambe	Jionee mwenyewe	Mazengo	13-Nov-09	Deep well	4.93354	32.17392	1108	Clear	Tasteless	26.1	6.5	0.106	6.12
HP-1291	Urambo	Songambe	Milambo	Utulivu	13-Nov-09	Deep well	4.94883	32.14715	1112	Clear	Tasteless	25.6	5.4	0.141	6.92
HP-1292	Urambo	Songambe	Milambo	Wela	13-Nov-09	Deep well	4.75183	32.00926	1110	Clear	Salty	26.8	6.3	0.116	14.50
HP-1293	Urambo	Songambe	Miangane	Miangane	13-Nov-09	Deep well	4.91193	32.20734	1114	Milky	Tasteless	26.5	5.8	0.087	6.11
HP-1294	Urambo	Songambe	Miangane	Miangane	13-Nov-09	Shallow well	4.86688	32.21178	1102	Milky	Tasteless	25.8	5.8	0.132	8.25
HP-1295	Urambo	Songambe	Miangane	Nyakabaqwe	13-Nov-09	Shallow well	4.81669	32.18447	1119	Milky	Tasteless	26.2	5.4	0.055	5.40
HP-1296	Urambo	Songambe	Miangane	Nyerere	13-Nov-09	Deep well	4.93815	32.16004	1113	Clear	Tasteless	26.2	5.8	0.153	5.19
HP-1297	Urambo	Songambe	Miangane	Nyerere	13-Nov-09	Shallow well	4.94124	32.15529	1110	Clear	Tasteless	26.7	5.2	0.182	5.29
HP-1298	Urambo	Songambe	Miangane	Ukwangal	13-Nov-09	Shallow well	4.86369	32.1895	1102	Milky	Tasteless	25.5	5.8	0.073	7.44
HP-1299	Urambo	Songambe	Songambe	Farm 21	13-Nov-09	Shallow well	4.90811	32.10626	1114	Clear	Salty	27.4	6.1	0.093	14.70
HP-1302	Urambo	Songambe	Songambe	Magharibi	13-Nov-09	Shallow well	4.94374	32.08268	1128	Clear	Little salty	26.9	6.6	0.200	76.50
HP-1304	Urambo	Songambe	Songambe	Mashariki	13-Nov-09	Deep well	4.93148	32.10853	1132	Clear	Tasteless	27.6	5.6	0.076	11.20
HP-1305	Urambo	Songambe	Songambe	Mtukula	13-Nov-09	Deep well	4.90377	32.07618	1117	Milky	Tasteless	27.1	5.7	0.150	7.32
HP-1306	Urambo	Songambe	Songambe	Miakulia	13-Nov-09	Shallow well	4.91496	32.09639	1111	Clear	Salty	27.8	6.4	0.210	37.50
HP-1307	Urambo	Songambe	Uyogo	Kasela	13-Nov-09	Deep well	4.92678	31.96707	1111	Clear	Little salty	25.4	5.4	0.330	39.20
HP-1308	Urambo	Songambe	Uyogo	Uyogo D	13-Nov-09	Deep well	4.92738	31.99759	1102	Clear	Tasteless	24.9	6.2	0.320	17.80
HP-1309	Urambo	Songambe	Uyogo	Uyogo D	13-Nov-09	Deep well	4.91909	31.97883	1100	Milky	Tasteless	25.6	6.5	0.280	43.40
HP-1310	Urambo	Songambe	Uyogo	Uyogo masharibi	13-Nov-09	Deep well	4.91463	32.01199	1093	Clear	Tasteless	24.9	5.8	0.170	9.80
HP-1311	Urambo	Songambe	Uyogo	Uyogo masharibi	13-Nov-09	Deep well	4.91608	32.01105	1091	Milky	Tasteless	24.1	5.6	0.048	5.40

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)ウランポ果 (4/5)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-1312	Urambo	Songambebe	Uyogo	Uyogo mashariki	13-Nov-09	Deep well	4.90531	32.03029	1108	Milky	Salty	26.1	5.9	0.350	18.90
HP-1313	Urambo	Songambebe	Uyogo	Uyogo mashariki	13-Nov-09	Deep well	4.91918	32.03887	1106	Clear	Salty	25.9	6.3	0.570	27.20
HP-1315	Urambo	Ugunga	Limbula	Limbula A	3-Nov-09	Deep well	5.1218	31.74015	1068	Clear	Salty	27.1	5.9	0.400	52.40
HP-1316	Urambo	Ugunga	Limbula	Limbula B	3-Nov-09	Deep well	5.13782	31.71061	1072	Clear	Salty	27.6	5.9	0.210	67.00
HP-1317	Urambo	Ugunga	Tuombe Mungu	Kaskazini	3-Nov-09	Shallow well	5.0779	31.71419	1076	Clear	Salty	27.2	6.5	0.200	24.00
HP-1319	Urambo	Ugunga	Tuombe Mungu	Kusini	3-Nov-09	Shallow well	5.09593	31.70686	1084	Clear	Salty	26.8	6.8	0.520	95.00
HP-1320	Urambo	Ugunga	Tuombe Mungu	Kusini	3-Nov-09	Shallow well	5.09801	31.70804	1082	Clear	Salty	27.4	7.2	0.110	72.00
HP-1321	Urambo	Ugunga	Ugunga	Ugunga Kilijini	3-Nov-09	Deep well	5.07027	31.75035	1081	Clear	Tasteless	27.8	5.8	0.600	92.00
HP-1328	Urambo	Ukondamoyo	Ifuta	Kiloleni	6-Nov-09	Deep well	5.17983	31.9305	1079	Clear	Tasteless	26.2	5.6	0.045	126.40
HP-1331	Urambo	Ukondamoyo	Ifuta	Utebe	6-Nov-09	Deep well	5.25141	31.9161	1071	Clear	Tasteless	26.0	5.8	0.052	132.00
HP-1333	Urambo	Ukondamoyo	Tumanihi	Magereza	6-Nov-09	Shallow well	5.16469	32.03628	1100	Clear	Tasteless	25.2	5.6	0.056	13.00
HP-1335	Urambo	Ukondamoyo	Ukondamoyo	Farma 8	6-Nov-09	Deep well	5.15299	31.96062	1082	Clear	Tasteless	26.3	6.2	0.158	20.80
HP-1340	Urambo	Ukumbisiganga	Lumbe	Lumbe CCM	29-Oct-09	Deep well	5.50222	31.49831	1062	Clear	Tasteless	25.8	6.9	0.400	67.80
HP-1342	Urambo	Ukumbisiganga	Lumbe	Lumbe Station	29-Oct-09	Shallow well	5.49775	31.49302	1061	Turbid	Tasteless	26.1	6.2	0.200	12.30
HP-1343	Urambo	Ukumbisiganga	Lumbe	Lumbe Station	29-Oct-09	Shallow well	5.49732	31.49728	1061	Clear	Tasteless	26.3	6.7	0.300	18.70
HP-1349	Urambo	Ukumbisiganga	Ukumbisiganga	Mandela	29-Oct-09	Shallow well	5.484	31.52591	1069	Clear	Tasteless	25.8	5.8	0.200	12.28
HP-1350	Urambo	Ukumbisiganga	Ukumbisiganga	Mashariki	29-Oct-09	Shallow well	5.49361	31.52228	1067	Clear	Tasteless	25.9	5.9	0.210	10.38
HP-1352	Urambo	Ukumbisiganga	Ukumbisiganga	Shuheni	29-Oct-09	Shallow well	5.49674	31.51089	1077	Clear	Tasteless	25.5	5.8	0.141	10.87
HP-1356	Urambo	Ukumbisiganga	Ugunga	Usinga Kilometa 78	29-Oct-09	Deep well	5.66717	31.28278	1117	Clear	Little Salty	25.6	6.3	0.300	65.70
HP-1363	Urambo	Urambo	Urambo Kati	Kati kusini	14-Nov-09	Deep well	5.06837	32.0666	1111	Clear	Salty	29.9	4.6	0.089	78.70
HP-1369	Urambo	Urambo	Magharibi	Magharibi kusini	14-Nov-09	Shallow well	5.06529	32.06309	1105	Clear	Salty	28.8	5.4	0.085	66.60
HP-1372	Urambo	Urambo	Urambo Mashariki	Urambo mama	14-Nov-09	Deep well	5.06838	32.08414	1110	Milky	Tasteless	27.3	6.2	0.127	13.50
HP-1379	Urambo	Ushokola	Isaniandugu	Isaniandugu Macharibi	31-Oct-09	Deep well	5.08132	31.82349	1078	Clear	Tasteless	26.2	6.4	0.400	24.80
HP-1380	Urambo	Ushokola	Pozamoyo	Nkolonkosto	31-Oct-09	Deep well	5.10118	31.78587	1096	Greyish	Salty	24.5	7.7	0.260	46.90
HP-1385	Urambo	Ushokola	Pozamoyo	Pozamoyo Mifugoni	31-Oct-09	Deep well	5.08479	31.79279	1084	Clear	Tasteless	24.3	6.5	0.165	31.20
HP-1386	Urambo	Ushokola	Ushokola	Kilometa 2	31-Oct-09	Deep well	5.06365	31.79314	1085	Clear	Little Salty	25.2	8.4	0.610	89.00
HP-1388	Urambo	Ushokola	Usindi	Usindi Kati	31-Oct-09	Deep well	5.0855	31.84667	1079	Clear	Tasteless	25.1	5.8	0.172	28.70
HP-1389	Urambo	Ushokola	Kombe	Kombe Kaskazini	2-Nov-09	Deep well	5.04605	31.53548	1083	Clear	Tasteless	26.5	6.1	0.194	11.20
HP-1392	Urambo	Ushokola	Kombe	Kombe Kusini	2-Nov-09	Deep well	5.06316	31.53427	1082	Clear	Tasteless	26.7	6.7	0.110	18.40
HP-1396	Urambo	Ushokola	Luganio	Kiloleni	2-Nov-09	Shallow well	5.14986	31.31123	1124	Milky	Clear	27.7	6.2	0.080	9.50
HP-1399	Urambo	Ushokola	Usinge	Usinge Kati	2-Nov-09	Shallow well	5.10009	31.30222	1070	Clear	Salty	26.0	5.8	0.155	16.04
HP-1402	Urambo	Ushokola	Usinge	Usinge Magharibi	2-Nov-09	Deep well	5.20592	31.21676	1089	Clear	Tasteless	26.6	6.3	0.360	28.40
HP-1404	Urambo	Ushokola	Usinge	Usinge Mashariki	2-Nov-09	Shallow well	5.09282	31.30641	1075	Clear	Tasteless	26.4	5.4	0.043	3.30
HP-1417	Urambo	Ussoke	Itegamatwi	Ihega	10-Nov-09	Shallow well	5.15208	32.29681	1145	Milky	Tasteless	26.6	5.6	0.048	6.70
HP-1424	Urambo	Ussoke	Ussoke	Ussoke Kati	10-Nov-09	Deep well	5.09191	32.31385	1151	Clear	Tasteless	26.8	5.6	0.032	23.10
HP-1437	Urambo	Uyowa	Mwendakulima	Mwendakulima	13-Nov-09	Shallow well	4.58698	31.96793	1118	Clear	Fresh	26.5	6.3	0.400	6.30
HP-1440	Urambo	Uyowa	Nsungwa	Songambebe	13-Nov-09	Shallow well	4.4769	32.00365	1117	Clear	Fresh	26.5	6.3	0.400	4.40
HP-1441	Urambo	Uyowa	Songambebe	Mwenge	13-Nov-09	Deep well	4.59604	32.01733	1121	Clear	Fresh	26.5	6.8	0.400	4.50
HP-1442	Urambo	Uyowa	Songambebe	Songambebe	13-Nov-09	Deep well	4.58384	32.02382	1129	Clear	Fresh	26.5	6.3	ND	6.30
HP-1444	Urambo	Uyowa	Uhindini	Sheme	13-Nov-09	Deep well	4.5412	31.96002	1115	Clear	Fresh	26.8	6.8	0.400	4.50
HP-1446	Urambo	Uyowa	Uhindini	Uyowa	13-Nov-09	Deep well	4.55408	31.9679	1121	Clear	Salty	26.2	5.9	0.400	16.20
HP-1459	Urambo	Uyumbu	Nsooko	Kaiote	9-Nov-09	Deep well	5.22693	32.33732	1163	Clear	Tasteless	26.8	6.2	0.102	44.00
HP-1460	Urambo	Uyumbu	Nsooko	Mkasiwa	9-Nov-09	Deep well	5.24124	32.34274	1162	Clear	Tasteless	26.7	5.7	0.192	62.46
HP-1461	Urambo	Uyumbu	Nsooko	Mrema	9-Nov-09	Deep well	5.25147	32.34575	1154	Clear	Tasteless	27.5	5.8	0.086	11.50
HP-1462	Urambo	Uyumbu	Nsooko	Tupendane	9-Nov-09	Deep well	5.30549	32.34477	1146	Milky	Tasteless	27.2	6.1	0.011	20.20
HP-1463	Urambo	Uyumbu	Usoke miimani	Ichencha	9-Nov-09	Deep well	5.13849	32.34084	1149	Clear	Tasteless	27.0	6.4	0.162	42.00
HP-1464	Urambo	Uyumbu	Usoke miimani	Milambo	9-Nov-09	Deep well	5.16649	32.35965	1162	Clear	Tasteless	27.1	6.5	0.360	30.10
HP-1465	Urambo	Uyumbu	Usoke miimani	Mkwawa	9-Nov-09	Deep well	5.16947	32.35003	1157	Clear	Tasteless	26.7	6.4	0.110	16.80
HP-1466	Urambo	Uyumbu	Usoke miimani	Misheni	9-Nov-09	Shallow well	5.17715	32.36308	1182	Clear	Tasteless	26.7	6.5	0.107	16.68

<Note> ND: Not Detected

簡易水質試験(ハンドポンプ)ウランボ県 (5/5)

Hand Pump ID	District /Municipality	Ward	Village /Street	Sub-Village /Street	Date of Sampling	Type of Water Source	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
HP-1467	Urambo	Uyumbu	Usoke mlimani	Misheni	9-Nov-09	Deep well	5.17691	32.3628	1184	Clear	Tasteless	26.9	6.2	0.110	22.40
HP-1470	Urambo	Uyumbu	Usoke mlimani	Simba	9-Nov-09	Deep well	5.19767	32.36992	1205	Clear	Tasteless	26.9	6.1	0.151	15.00
HP-1471	Urambo	Uyumbu	Yelaveia	Kakola	9-Nov-09	Deep well	5.16078	32.33347	1150	Clear	Tasteless	26.8	6.8	0.192	14.00
HP-1472	Urambo	Uyumbu	Yelaveia	Matengo	9-Nov-09	Deep well	5.1903	32.35538	1187	Clear	Salty	27.3	6.3	0.178	26.40
HP-1474	Urambo	Vumilia	Nkokoto	Nkokoto	31-Oct-09	Shallow well	5.09037	31.89901	1096	Clear	Tasteless	24.1	6.2	0.065	11.70
HP-1476	Urambo	Vumilia	Nkokoto	Nkokoto magharibi	31-Oct-09	Deep well	5.08932	31.89859	1095	Clear	Tasteless	24.3	6.5	0.280	41.80
HP-1477	Urambo	Vumilia	Nkokoto	Nkokoto magharibi	31-Oct-09	Shallow well	5.08754	31.89744	1095	Clear	Tasteless	24.5	6.8	0.190	32.40
HP-1478	Urambo	Vumilia	Nkokoto	Nkokoto magharibi	31-Oct-09	Shallow well	5.08636	31.89885	1095	Clear	Tasteless	24.8	6.5	0.400	52.10
HP-1479	Urambo	Vumilia	Nkokoto	Nkokoto magharibi	31-Oct-09	Shallow well	5.08756	31.90149	1094	Clear	Tasteless	24.9	5.9	0.360	22.40
HP-1480	Urambo	Vumilia	Uhuru	Uhuru	31-Oct-09	Shallow well	5.07107	31.88766	1102	Grey	Little salty	25.6	8.5	0.340	67.60
HP-1483	Urambo	Vumilia	Vumilia	Kati	5-Nov-09	Shallow well	5.06363	31.93474	1093	Clear	Salty	27.1	5.9	0.700	69.40
HP-1484	Urambo	Vumilia	Vumilia	Kati	5-Nov-09	Shallow well	5.06009	31.92029	1091	Milky	Tasteless	27.3	6.2	0.051	8.20
HP-1486	Urambo	Vumilia	Vumilia	Kati	5-Nov-09	Shallow well	5.06316	31.93432	1094	Clear	Salty	26.9	6.1	0.500	62.00

<Note> ND: Not Detected

簡易水質試験(管路給水施設) (1/2)

Piped Water Supply Scheme No.	District	Ward	Village / Street	Covered Sub-Villages / Streets	Water Source Type	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
IgPW-01	Igunga	Choma	Chibiso	54 Chibiso 56 Mwankono	Shallow well	3.96095	33.34621	1094	Clear	Tasteless	31.0	7.9	2.70	89.00
IgPW-02	Igunga	Choma	Chomachankola	58 Ginnery 57 Chamalendi 62 Sokoni 63 Uswahilini 64 Zomadi	Deep well	3.98736	33.3575	1097	Clear	Slightly salty	29.7	8.1	8.50	260.00
IgPW-03	Igunga	Igunga	Isugilo	96 Benki 97 Kamando 98 Kati 99 Magharibi 100 Mashariki 101 Mwayunge 102 Nkokoto 103 Stoo ya Pamba	Bulenya Dam	4.29003	33.78698	1102	Yellowish	Tasteless	24.6	8.3	4.30	28.80
SKPW-01	Sikonge	Ipole	Udongo Makazi Ipole	45 Ilope Kasikzini 46 Ilope Kati 47 Ilope Kusini 48 Ipole Mashariki 52 Makazi 58 Udongo Kahakazini 59 Udongo Kusini 60 Udongo Mashariki	Protected Spring	5.76775	32.716	1113	Clear	Tasteless	26.9	5.2	0.06	9.40
SKPW-02	Sikonge	Kipanga Kiloilei	Ukondamoyo Lembeli Makuja Kanyamsenga Kiloilei Kipanga	64 Kanyamsenga Bondeni 65 Kanyamsenga Mlimani 66 Maweni A 67 Maweni B 68 Indara 69 Kiloilei A 70 Kiloilei B 71 Langwa 73 Makuja 74 Songambele 75 Tulierni 82 Imalampaka 83 Mdogondema 84 Makuja 85 Igagala 86 Lembeli 87 Mibono Mpya 92 Mkola 93 Ugaawe	Dam	5.94385	32.9613	1116	Reddish	Salty	29.2	8.1	0.11	9.93
SKPW-04	Sikonge	Sikonge	Sikonge	180 Isunglunde 183 Madukani 184 Mazinge 185 Mbirani 186 Sikonge Mission 187 Ukanga 189 Usega 190 Usupilo A	Shallow well	5.61488	32.75214	1152	Clear	Salty	25.4	6.0	0.15	41.00

簡易水質試験(管路給水施設) (2/2)

Piped Water Supply Scheme No.	District	Ward	Village /Street	Covered Sub-Villages /Streets	Water Source Type	Latitude	Longitude	Altitude (m)	Colour	Taste	Temperature (°C)	pH	Fluoride (mg/L)	EC (mS/m)
TrPW-02	Tabora Rural	Igalula	Igalula	74 Barazani 75 Igalula Shesheni 77 Mbalanga	Dam	5.19129	33.01762	1154	Milky	Tasteless	30.1	7.3	0.40	6.69
TrPW-05	Tabora Rural	Ilangulu	Ilangulu	132 Ilangulu Mjini	Shallow well	5.10059	32.63755	1107	Clear	Tasteless	23.9	5.6	0.80	13.55
TrPW-07	Tabora Rural	Isikizya	Isikizya	179 Azimio	Protected Spring	4.84682	33.10564	1230	Milky	Tasteless	26.5	5.5	0.27	150.00
TrPW-11	Tabora Rural	Upuge	Upuge	447 Upuge A	Shallow well	4.91431	32.97912	1260	Milky	Salty	24.8	6.2	0.78	16.20
TuPW-02	Tabora Urban	Misha	Igambilo Itaga Misha	54 Igambilo kati 59 Ilobi 61 Kagera 62 Mapambano 74 Misha Kati	Dam	4.89759	32.71584	1139	Clear	Tasteless	28.4	6.7	0.43	10.44
UrPW-06	Urambo	Kashishi	Kashishi	123 Kashishi Magharibi 124 Kashishi Mashariki 127 Lisule 128 Uquundu	Protected Spring	4.36622	32.38776	1165	Turbid	Tasteless	25.5	5.7	0.12	73.60
UrPW-09	Urambo	Songambebe	Jionee mwenyewe Mlangane	244 Farm 245 Mazengo 246 Utulivu 251 Mlangane 252 Nyakabagwe 253 Nyerere 254 Ukwanda	Deep well	4.91216	32.13364	1105	Clear	Tasteless	25.9	6.1	0.14	5.61
UrPW-13	Urambo	Ukondamoyo	Ukondamoyo	302 Farm 2 corner	Deep well	5.12205	32.0301	1107	Clear	Tasteless	27.7	6.4	0.11	62.00
UrPW-14	Urambo	Urambo	Urambo Kati Urambo Kusini Urambo Magharibi Urambo Mashariki	330 Kati kaskazini 331 Kati kusini 332 Tulieni 333 Block O 334 Boma Village 335 Mabatini 336 Matangi manne 337 Magharibi Kaskazi 338 Magharibi kusini 339 Seed farm 340 Urambo mjini 341 Kitega uchumi 342 Mwenge 343 Shimoni	Deep well	5.06808	32.06993	1115	Clear	Slightly Salty	23.7	7.1	0.33	58.00
UrPW-15	Urambo	Usisya	Usisya	407 Usisya kati	Unprotected Spring	5.10029	32.23132	1111	Milky	Tasteless	24.4	6.2	0.09	12.40
UrPW-17	Urambo	Ussoke	Ussoke	422 Ussoke sokoni	Deep well	5.10125	32.33014	1103	Clear	Tasteless	27.4	6.1	0.05	33.00

室内水質試驗結果 (1/4)

Hand Pump ID / PWSS No.	District	Ward	Village	Sub-Village	Source Type	Latitude	Longitude	Sampling Date	pH	EC (mS/m)	Temp (°C)	Bacteria CFU/100ml	E. Coli CFU/100ml	Lead (mg/l)	As (mg/L)	Cd (mg/L)	F (mg/L)
HP-24	Igunga	Igweko	Uswaya	Mwakumuha	Deep Well	-4.67470	33.52219	26-Dec-09	8.23	46.35	27.00	0	0	0.01	0.001	0.001	0.001
HP-39	Igunga	Itumba	Lugubu	Lugubu	Shallow Well	-4.55522	33.87362	29-Dec-09	8.34	31.86	26.00	9	0	ND	ND	ND	1.170
HP-51	Igunga	Mwisi	Isenegeja	Mjini Magharibi	Shallow Well	-4.52457	33.44086	26-Dec-09	7.34	16.76	26.00	0	0	ND	ND	ND	2.350
HP-78	Igunga	Simbo	Simbo	Busometke	Deep Well	-4.65556	33.43042	26-Dec-09	7.40	31.76	25.00	460	9	ND	ND	ND	2.500
HP-90	Igunga	Sungwizi	Sungwizi	Ikilu	Shallow Well	-4.45826	33.51771	26-Dec-09	8.31	114.59	24.00	9	0	ND	ND	ND	4.160
IgPW-01	Igunga	Choma	Managed by Chibiso Water Supply	Managed by Chibiso Water Supply	Tap Water	-3.94105	33.36151	28-Dec-09	8.63	78.55	28.00	0	0	ND	ND	ND	2.000
IgPW-02	Igunga	Choma	Chibiso	Mwanako	Shallow Well	-3.96095	33.34521	28-Dec-09	8.31	80.39	28.00	15	0	ND	ND	ND	1.890
IgPW-03	Igunga	Choma	Chomachankola	Uswahitini	Deep Well 1	-4.02369	33.34821	28-Dec-09	8.65	111.44	26.00	0	0	ND	ND	ND	3.240
IgPW-04	Igunga	Choma	Chomachankola	Zomedi	Deep Well 2	-3.98736	33.35730	28-Dec-09	8.55	96.70	26.00	0	0	ND	ND	ND	5.200
IgPW-05	Igunga		Managed by IGUWASA	Managed by IGUWASA	Bulenyia Dam	-4.28929	33.78814	29-Dec-09	8.08	16.76	29.00	43	0	ND	ND	ND	2.500
IgPW-06	Igunga	Igunga	Managed by IGUWASA	Managed by IGUWASA	Tap Water	-4.28311	33.88192	29-Dec-09	8.22	19.84	27.50	0	0	ND	ND	ND	1.590
IgPW-07	Igunga	Igurubi	Igurubi	Bugwandege	Deep Well	-3.96095	33.34521	29-Dec-09	8.65	165.49	28.00	0	0	ND	ND	ND	3.880
IgPW-08	Igunga	Nkinga	Nkinga	Ujuyang'ombe	Tank 1	-4.41971	33.47937	26-Dec-09	8.23	65.43	22.00	0	0	ND	ND	ND	2.720
IgPW-09	Igunga	Nkinga	Nkinga	Nkinga	Tank 2	-4.40557	33.43714	26-Dec-09	8.48	19.21	23.00	0	0	ND	ND	ND	3.500
IgPW-10	Igunga	Ziba	Ziba	Igaluia	Deep Well	-4.25573	33.41169	28-Dec-09	9.00	125.93	23.00	0	0	ND	ND	ND	4.900
HP-105	Nzega	Budushi	Budushi	Uswahitini	Deep Well	-4.79036	33.33170	22-Dec-09	8.22	88.55	29.00	0	0	ND	ND	ND	0.110
HP-128	Nzega	Igusule	Sojo	Sojo Mpya	Deep Well	-3.94063	32.85178	23-Dec-09	7.98	94.72	29.00	23	0	ND	ND	ND	0.020
HP-381	Nzega	Mambali	Mbutu	Nasa	Deep Well	-4.37190	32.80751	23-Dec-09	7.52	68.12	28.00	240	0	ND	ND	ND	1.200
HP-401	Nzega	Mbogwe	Mbogwe	Mwanubilia	Deep Well	-4.14496	33.26336	24-Dec-09	8.44	34.57	26.20	0	0	ND	ND	ND	0.800
HP-471	Nzega	Mwakashanahala	Kigandu	Kalunwa	Deep Well	-4.66072	32.98898	22-Dec-09	7.50	36.36	28.00	43	0	ND	ND	ND	0.710
HP-531	Nzega	Mwangoye	Mwangoguli	Mwakiseniga	Deep Well	-4.05717	33.02831	23-Dec-09	8.05	18.53	28.00	23	0	ND	ND	ND	0.320
HP-542	Nzega	Nata	Kabale	Kabale	Deep Well	-4.01580	33.16580	23-Dec-09	7.89	64.08	28.00	23	0	ND	ND	ND	0.500
HP-567	Nzega	Nzega Mjini	Nzega Mjini	Kachoma	Deep Well	-4.22284	33.19148	24-Dec-09	8.14	76.89	26.00	23	0	ND	ND	ND	0.420
HP-587	Nzega	Puge	Upungu	Upungu	Deep Well	-4.72822	33.16848	23-Dec-09	7.60	21.75	28.00	23	0	ND	ND	ND	0.010
NzPW-07	Nzega		Managed by NZUWASA	Managed by NZUWASA	Uchama Dam	-4.19470	33.17805	23-Dec-09	7.70	97.86	26.60	0	0	ND	ND	ND	0.200
NzPW-08	Nzega		Managed by NZUWASA	Managed by NZUWASA	Kilimi Dam	-4.13639	33.23320	24-Dec-09	8.17	134.34	25.00	9	0	ND	ND	ND	0.080
NzPW-09	Nzega	Nzega Mjini	Chabutwa	Chabutwa	Tap Water	-4.21609	33.18724	24-Dec-09	7.79	27.26	26.00	N/A	0	ND	ND	ND	0.490
HP-676	Sikonge	Chabutwa	Chabutwa	Chabutwa	Deep Well	-5.69293	32.75054	16-Dec-09	8.44	51.07	26.00	4600	150	ND	ND	ND	0.496
HP-692	Sikonge	Igowa	Igowa	Barazani	Shallow Well	-5.37894	32.79105	16-Dec-09	7.44	33.12	26.00	2100	43	ND	ND	ND	0.600
HP-694	Sikonge	Igowa	Igowa	Nyakahunga	Shallow Well	-5.41802	32.78498	16-Dec-09	8.10	25.65	25.00	93	0	ND	ND	ND	0.500
HP-695	Sikonge	Igowa	Igowa	Wankolongo	Deep Well	-5.35077	32.77816	16-Dec-09	7.18	7.56	28.00	240	9	ND	ND	ND	0.600
HP-716	Sikonge	Kipanga	Lembeli	Lembeli	Deep Well	-5.83888	32.90657	17-Dec-09	8.39	50.39	30.00	0	0	ND	ND	ND	0.600
HP-720	Sikonge	Kipanga	Ukondamoyo	Ukondamoyo	Deep Well	-5.80056	32.88279	17-Dec-09	8.13	83.61	28.00	20	4	ND	ND	ND	0.681
HP-724	Sikonge	Kipili	Kilumbi	Mkola No. 4	Deep Well	-6.29771	33.84673	15-Dec-09	8.33	71.92	24.00	9	0	ND	ND	ND	0.400
HP-726	Sikonge	Kipili	Kilumbi	Mkola No. 4	Deep Well	-6.29771	33.84673	15-Dec-09	7.64	17.92	24.00	0	0	ND	ND	ND	0.330
HP-756	Sikonge	Sikonge	Kisanga	Changombe	Deep Well	-5.65940	32.81600	16-Dec-09	7.62	75.86	24.20	930	75	ND	ND	ND	0.550
HP-757	Sikonge	Sikonge	Kisanga	Kisanga Kati	Shallow Well	-5.95908	32.84063	16-Dec-09	7.91	20.31	25.80	460	43	ND	ND	ND	0.890
HP-788	Sikonge	Tutuo	Mole	Kilieni A	Deep Well	-5.44950	32.62111	16-Dec-09	6.70	7.60	28.00	0	0	ND	ND	ND	0.410
SKPW-01	Sikonge	Ipoile	Managed by Ipoile Water Supply	Managed by Ipoile Water Supply	Tap Water	-5.76761	32.71609	17-Dec-09	7.15	12.35	28.00	0	0	ND	ND	ND	0.600
SKPW-02	Sikonge	Sikonge	Makazi	Chabutwa	Protected Spring	-5.76761	32.71609	17-Dec-09	7.62	17.86	28.00	0	0	ND	ND	ND	0.800
SKPW-04	Sikonge	Sikonge	Managed by SUWASA	Managed by SUWASA	Uywaya Dam	-5.60281	32.75290	17-Dec-09	7.20	20.20	28.00	0	0	ND	ND	ND	0.500
SKPW-05	Sikonge	Sikonge	Managed by SUWASA	Managed by SUWASA	Tap Water	-5.62600	32.75290	16-Dec-09	7.37	22.41	27.50	0	0	ND	ND	ND	0.600
HP-804	Tabora Rural	Tabora Rural	Nsoliolo	Kanala	Deep Well	-5.55890	33.14870	11-Dec-09	8.18	120.45	22.00	0	0	ND	ND	ND	0.320
HP-811	Tabora Rural	Tabora Rural	Ibiri	Kategile	Deep Well	-4.92687	32.59554	12-Dec-09	7.67	43.72	28.50	0	0	ND	ND	ND	0.010
HP-876	Tabora Rural	Tabora Rural	Igoko	Igoko Sentia	Deep Well	-4.82347	33.13180	12-Dec-09	7.95	43.94	26.20	4	0	ND	ND	ND	0.990
HP-881	Tabora Rural	Tabora Rural	Ilwasimba	Ihala	Deep Well	-4.80032	33.11219	12-Dec-09	7.94	123.50	26.00	0	0	ND	ND	ND	1.135
HP-953	Tabora Rural	Tabora Rural	Chessa	Uzyungu	Deep Well	-4.93539	32.43251	12-Dec-09	6.45	15.53	28.00	4	0	ND	ND	ND	0.960
HP-964	Tabora Rural	Tabora Rural	Ufuluma	Ugwovia	Deep Well	-4.96490	32.35015	12-Dec-09	6.40	13.16	26.00	15	0	ND	ND	ND	0.800
HP-971	Tabora Rural	Tabora Rural	Ugwe	Mhogowa B	Deep Well	-4.87405	33.04002	12-Dec-09	7.26	6.62	24.00	0	0	ND	ND	ND	0.740
HP-974	Tabora Rural	Tabora Rural	Uhuru Mbiti	Mhogowa A	Deep Well	-4.87538	32.95442	12-Dec-09	8.13	51.89	28.00	0	0	ND	ND	ND	ND
HP-974	Tabora Rural	Tabora Rural	Uhuru Mbiti	Uhuru Mbiti B	Deep Well	-4.85338	32.95442	12-Dec-09	8.13	51.89	28.00	0	0	ND	ND	ND	ND
HP-974	Tabora Rural	Tabora Rural	Managed by Igaluia Water Supply	Managed by Igaluia Water Supply	Charco Dam	-5.18938	33.01684	11-Dec-09	7.41	8.19	24.00	460	43	ND	ND	ND	0.010

<Note> N/A: Not Available, ND: Not Detected, N/O: Not Objectionable, O: Objectionable, PWSS: Piped Water Supply Scheme

室內水質試驗結果 (2/4)

Hand Pump ID / PWSS No.	District	NO ₃ (mg/L)	NO ₂ (mg/L)	NH ₄ (mg/L)	Color (TCU)	Turbidity (NTU)	TDS (mg/L)	Total Hardness (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO ₃ (mg/L)	SO ₄ (mg/L)	Cl ⁻ (mg/L)	Fe (mg/L)	Mn (mg/L)	Cu (mg/L)	Zn (mg/L)	Taste	Odor	Residual Chlorine (mg/L)
HP-24	Igunga	0.01	0.01	0.001	-	0.00	300.00	137.40	55.03	15.18	104.66	1.58	1.00	3.00	71.96	0.01	0.01	0.01	0.01	N/O	N/O	N/A
HP-39	Igunga	ND	0.04	ND	9.11	26.30	136.00	51.92	20.79	5.83	45.44	4.00	134.20	20.00	77.99	1.13	ND	ND	ND	N/O	N/O	N/A
HP-51	Igunga	ND	0.21	ND	8.22	592.00	296.00	24.42	9.78	6.40	17.60	9.76	61.00	51.00	10.99	10.56	0.06	ND	1.49	O	O	N/A
HP-78	Igunga	100.00	ND	ND	0.00	0.18	324.00	3.05	1.22	5.32	63.03	5.66	36.60	8.00	26.59	ND	ND	ND	ND	N/O	N/O	N/A
HP-90	Igunga	ND	ND	ND	0.00	0.96	720.00	73.29	29.35	11.52	287.88	0.73	628.30	20.00	43.96	ND	ND	ND	ND	N/O	N/O	N/A
IGPW-01	Igunga	ND	ND	ND	0.00	1.00	788.00	36.66	14.69	4.71	192.37	1.80	195.20	220.00	27.30	ND	ND	ND	ND	N/O	N/O	N/A
IGPW-02	Igunga	ND	0.01	ND	5.12	3.72	820.00	36.68	14.69	4.84	188.13	1.64	305.00	170.00	26.94	ND	ND	ND	ND	N/O	N/O	N/A
IGPW-03	Igunga	ND	ND	ND	0.00	0.64	580.00	85.51	34.24	9.13	265.63	3.65	329.40	55.00	65.23	ND	ND	ND	ND	N/O	N/O	N/A
IGPW-04	Igunga	ND	ND	ND	0.00	0.53	2050.00	27.49	11.01	13.91	827.13	6.81	884.50	70.00	63.81	ND	ND	ND	ND	N/O	N/O	N/A
IGPW-05	Igunga	ND	ND	ND	0.02	74.90	180.00	45.80	18.34	2.89	19.66	3.46	122.00	16.00	4.61	2.60	0.01	ND	ND	O	O	N/A
IGPW-06	Igunga	ND	ND	ND	6.77	340.00	280.00	53.44	21.40	2.62	19.41	3.07	122.00	42.00	5.67	1.48	ND	ND	ND	N/O	N/O	N/A
IGPW-07	Igunga	ND	ND	ND	0.00	0.59	1484.00	16.81	6.73	1.17	474.77	5.10	585.60	200.00	95.36	ND	ND	ND	ND	N/O	N/O	N/A
IGPW-08	Igunga	ND	ND	ND	0.00	0.97	270.00	44.28	17.73	2.77	48.70	9.89	146.30	25.00	4.61	ND	ND	ND	ND	N/O	N/O	N/A
IGPW-09	Igunga	ND	ND	ND	0.00	4.90	324.00	125.20	50.14	19.05	99.63	2.35	408.70	3.00	9.57	ND	ND	ND	1.67	N/O	N/O	N/A
IGPW-10	Igunga	ND	ND	ND	0.00	0.64	876.00	42.75	17.12	26.73	342.41	6.07	439.20	33.00	29.07	ND	ND	ND	ND	N/O	N/O	N/A
HP-105	Nzega	ND	ND	ND	0.02	3.64	820.00	224.50	89.89	26.56	77.98	4.16	311.10	13.00	74.44	ND	ND	ND	ND	N/O	N/O	N/A
HP-128	Nzega	ND	ND	ND	0.00	0.10	410.00	175.60	70.32	5.85	69.94	0.14	317.20	ND	28.36	ND	ND	ND	ND	N/O	N/O	N/A
HP-381	Nzega	ND	ND	ND	0.00	0.66	270.00	93.15	37.30	8.14	31.22	0.87	183.00	1.00	22.69	0.26	0.03	ND	ND	N/O	N/O	N/A
HP-401	Nzega	ND	ND	ND	0.00	0.35	476.00	99.27	39.75	15.70	235.81	ND	551.10	56.00	12.41	39.53	0.06	ND	ND	N/O	N/O	N/A
HP-471	Nzega	ND	ND	ND	32.11	432.00	1220.00	13.73	5.50	4.47	38.46	7.78	97.50	240.00	17.02	ND	ND	ND	ND	N/O	N/O	N/A
HP-531	Nzega	49.80	ND	ND	0.00	0.40	400.00	187.80	75.21	13.39	48.09	0.68	262.30	34.00	22.69	ND	ND	ND	ND	N/O	N/O	N/A
HP-542	Nzega	ND	ND	ND	0.00	0.12	480.00	137.40	55.03	14.87	167.64	0.62	500.20	ND	41.48	ND	ND	ND	ND	N/O	N/O	N/A
HP-567	Nzega	ND	ND	ND	0.00	1.36	864.00	116.00	46.47	23.52	289.51	0.67	573.40	38.00	74.44	ND	ND	ND	ND	N/O	N/O	N/A
HP-587	Nzega	ND	ND	ND	18.20	6.54	440.00	171.00	68.49	19.79	124.56	2.28	367.00	20.00	63.46	0.01	0.06	ND	ND	N/O	O	N/A
NZPW-07	Nzega	ND	ND	ND	0.02	1.45	184.00	24.42	9.78	3.06	30.14	6.26	128.10	5.00	7.44	0.14	0.04	ND	ND	O	O	N/A
NZPW-08	Nzega	ND	ND	ND	11.12	6.57	238.00	54.99	22.01	5.95	53.62	4.04	176.90	6.00	13.83	ND	0.01	ND	ND	N/O	N/O	N/A
NZPW-09	Nzega	ND	ND	ND	0.00	0.91	110.00	33.59	13.45	4.43	37.99	5.74	12.20	30.00	11.70	ND	ND	ND	ND	N/O	N/O	0.52
HP-676	Sikonge	ND	ND	ND	31.19	4.45	300.00	103.80	41.58	18.71	36.90	6.07	280.70	9.00	26.94	0.25	ND	ND	ND	N/O	N/O	N/A
HP-692	Sikonge	7.40	ND	ND	0.00	0.47	150.00	54.96	22.01	4.56	30.38	3.32	91.50	24.00	18.43	ND	ND	ND	ND	N/O	N/O	N/A
HP-694	Sikonge	ND	ND	ND	0.00	20.30	352.00	80.84	32.41	5.51	8.32	2.26	14.30	11.00	9.93	0.44	ND	0.45	ND	N/O	N/O	N/A
HP-695	Sikonge	2.80	ND	ND	440.24	52.10	188.00	9.16	3.67	1.09	8.23	0.81	18.30	22.00	14.18	0.71	ND	0.71	ND	N/O	N/O	N/A
HP-716	Sikonge	ND	ND	ND	0.00	0.12	408.00	131.30	52.57	12.46	46.89	2.87	280.50	1.00	17.02	ND	ND	ND	0.20	N/O	N/O	N/A
HP-720	Sikonge	4.90	ND	ND	0.00	0.21	412.00	198.50	79.49	11.37	92.47	6.78	256.20	37.00	40.41	ND	ND	ND	0.03	N/O	N/O	N/A
HP-724	Sikonge	ND	ND	0.002	0.00	ND	552.00	229.00	91.72	19.41	44.89	2.11	378.20	2.00	46.44	ND	ND	ND	0.14	N/O	N/O	N/A
HP-726	Sikonge	ND	ND	ND	420.00	589.00	640.00	42.75	17.12	3.09	13.90	5.62	73.20	170.00	11.70	0.67	ND	0.67	ND	O	O	N/A
HP-756	Sikonge	3.70	ND	ND	39.00	0.58	490.00	169.90	64.82	20.05	70.19	3.18	329.10	1.00	48.92	ND	ND	ND	ND	O	O	N/A
HP-757	Sikonge	2.20	0.03	ND	495.20	61.90	150.00	30.54	12.23	1.67	11.32	3.45	109.80	21.00	10.64	1.72	ND	1.72	0.06	O	O	N/A
HP-788	Sikonge	ND	ND	ND	312.00	23.90	116.00	6.12	2.45	ND	8.76	1.28	24.40	10.00	24.11	0.12	ND	0.12	ND	N/O	N/O	N/A
SKPW-01	Sikonge	ND	ND	ND	0.00	23.20	80.00	12.21	4.89	1.05	13.32	0.88	12.20	20.00	15.24	0.90	0.02	ND	0.07	N/O	N/O	N/A
SKPW-02	Sikonge	18.80	ND	ND	22.34	20.80	184.00	45.80	18.34	1.42	10.99	1.05	24.50	12.00	15.60	0.50	ND	0.50	0.33	N/O	N/O	N/A
SKPW-03	Sikonge	2.30	ND	ND	0.00	7.01	268.00	21.38	8.56	1.39	27.82	5.20	97.90	6.00	36.87	0.70	ND	0.70	0.01	O	O	N/A
SKPW-04	Sikonge	ND	ND	ND	13.12	4.06	160.00	24.42	9.78	1.99	29.80	6.43	103.70	6.00	10.63	0.01	ND	ND	ND	N/O	N/O	N/A
HP-804	Tabora Rural	ND	ND	ND	0.00	0.75	736.00	216.80	86.33	20.57	192.94	4.33	390.50	5.00	129.70	ND	ND	0.01	0.03	N/O	N/O	N/A
HP-811	Tabora Rural	ND	ND	ND	0.00	0.12	428.00	90.10	36.08	25.63	23.74	5.70	170.80	4.00	36.51	0.04	ND	ND	0.02	N/O	N/O	N/A
HP-876	Tabora Rural	ND	ND	ND	40.11	13.30	160.00	51.92	20.79	5.19	81.35	3.01	268.40	3.00	12.41	1.12	ND	ND	0.02	N/O	N/O	N/A
HP-881	Tabora Rural	ND	ND	ND	0.00	0.16	2464.00	532.90	213.40	68.10	457.03	6.09	244.00	1.00	198.50	ND	ND	0.01	0.04	N/O	N/O	N/A
HP-953	Tabora Rural	ND	ND	ND	0.00	1.47	140.00	9.19	3.68	2.01	21.13	0.57	36.70	1.00	22.33	ND	ND	0.02	0.02	N/O	N/O	N/A
HP-964	Tabora Rural	ND	ND	ND	0.00	5.12	160.00	6.12	2.45	0.94	21.76	0.34	12.20	2.00	18.22	ND	ND	0.03	0.03	N/O	N/O	N/A
HP-971	Tabora Rural	ND	ND	ND	33.34	36.20	120.00	3.05	1.22	0.80	8.85	1.45	36.70	16.00	6.38	1.66	ND	0.01	0.03	N/O	N/O	N/A
HP-974	Tabora Rural	ND	ND	ND	0.00	0.65	1208.88	58.04	23.24	7.62	862.88	8.15	256.20	2.00	28.71	ND	ND	0.11	0.29	N/O	N/O	N/A
TPW-02	Tabora Rural	ND	ND	0.003	34.30	178.00	328.00	15.26	6.11	3.43	10.03	4.30	36.60	53.00	5.67	10.75	ND	0.05	0.09	N/O	N/O	N/A

<Note> N/A: Not Available; ND: Not Detected; O: Objectectionable; C: Objectectionable; PWSS: Piped Water Supply Scheme

室內水質試驗結果 (3/4)

Hand Pump ID / PWSS No.	District	Ward	Village	Sub-Village	Source Type	Latitude	Longitude	Sampling Date	pH	EC (mS/m)	Temp (°C)	Bacteria CFU/100ml	E. Coli CFU/100ml	Lead (mg/l)	As (mg/L)	Cd (mg/L)	F (mg/L)
Detection Limits												0	0	0.01	0.001	0.001	0.001
TPW-02	Tabora Rural	Igalula	Managed by Igalula Water Supply	Igalula Water Supply	Tap Water	-5.18938	33.01684	11-Dec-09	5.20	8.11	27.00	0	0	0	ND	ND	0.260
TPW-04	Tabora Rural	Igalula	Kigwa B	Majengo	Shallow Well	-5.12164	33.11998	11-Dec-09	6.74	10.29	26.00	9	0	ND	ND	ND	0.692
TPW-04	Tabora Rural	Igalula	Managed by Kigwa B Water Supply	Water Supply	Tap Water	-5.12164	33.11998	11-Dec-09	7.30	10.97	26.50	9	0	ND	ND	ND	0.010
TPW-05	Tabora Rural	Ioliangulu	Ioliangulu	Ioliangulu Mjini	Shallow Well	-5.10059	32.63755	12-Dec-09	7.14	11.07	27.00	43	0	ND	ND	ND	0.310
TPW-05	Tabora Rural	Ioliangulu	Managed by Ioliangulu Water Supply	Water Supply	Tap Water	-5.07380	32.69257	12-Dec-09	7.33	14.64	27.40	93	0	ND	ND	ND	0.900
TPW-11	Tabora Rural	Upuge	Ioliangulu	Ioliangulu Mjini	Deep Well	-5.10039	32.63768	12-Dec-09	8.25	24.61	26.00	0	0	ND	ND	ND	0.660
TPW-11	Tabora Rural	Upuge	Managed by Upuge Water Supply	Upuge A	Tap Water	-4.91448	32.97903	12-Dec-09	7.71	33.34	22.00	23	0	ND	ND	ND	0.700
HP-1009	Tabora Urban	Iletemia	Lusangi	Igombanilio	Deep Well	-5.15472	32.75761	9-Dec-09	7.74	13.83	28.30	1500	93	ND	ND	ND	ND
HP-1011	Tabora Urban	Iletemia	Lusangi	kikundi	Deep Well	-5.14615	32.74447	9-Dec-09	7.36	147.20	27.40	930	23	ND	ND	ND	ND
HP-1016	Tabora Urban	Iletemia	Lusangi	Tiara	Deep Well	-5.15487	32.72577	9-Dec-09	6.49	11.40	30.00	23	9	ND	ND	ND	ND
HP-1046	Tabora Urban	Kalunde	Kalunde	Msangi	Deep Well	-4.95734	32.66961	14-Dec-09	6.87	11.69	23.11	4300	15	ND	ND	ND	0.500
HP-1044	Tabora Urban	Kalunde	Kalunde	Block farm	Deep Well	-4.91509	32.65255	14-Dec-09	7.05	14.30	27.00	9	0	ND	ND	ND	0.660
HP-1051	Tabora Urban	Malolo	Mtakuja	Malolo	Deep Well	-5.03145	32.75738	9-Dec-09	7.90	42.28	29.00	4	0	ND	ND	ND	ND
HP-1053	Tabora Urban	Kalunde	Ulamba	Iwonga	Deep Well	-5.00258	32.74822	9-Dec-09	6.99	11.48	29.00	0	0	ND	ND	ND	0.900
HP-1057	Tabora Urban	Kalunde	Ulamba	Upimbili	Deep Well	-4.99318	32.75680	9-Dec-09	7.42	14.79	26.80	15	4	ND	ND	ND	1.340
HP-1058	Tabora Urban	Misha	Masagala	Masagala Kati	Deep Well	-4.93456	32.80143	10-Dec-09	7.92	84.57	30.00	0	0	ND	ND	ND	2.000
HP-1058	Tabora Urban	Misha	Masagala	Tumbi	Deep Well	-4.91504	32.79809	10-Dec-09	8.08	5.26	29.00	0	0	ND	ND	ND	0.521
TuPW-01	Tabora Urban	Kanyenye	Managed by TUWASA	Managed by TUWASA	Tap Water	-5.02387	32.80682	9-Dec-09	7.44	10.64	28.00	0	0	ND	ND	ND	ND
TuPW-01	Tabora Urban	Kanyenye	Managed by TUWASA	Managed by TUWASA	Kazima Dam	-5.03177	32.81885	8-Dec-09	6.55	24.95	30.00	9	4	ND	ND	ND	ND
TuPW-02	Tabora Urban	Misha	Managed by Misha Water Supply	Igombe Dam	Tap Water	-4.91297	32.76290	10-Dec-09	7.25	12.10	20.14	0	0	ND	ND	ND	0.440
HP-1103	Urambo	Ilundu	Managed by TUWASA	Managed by TUWASA	Deep Well	-5.08297	32.15909	20-Dec-09	8.02	69.02	30.00	0	0	ND	ND	ND	0.970
HP-1235	Urambo	Kazaroho	Barabarani	Barabarani	Deep Well	-5.01016	31.92042	18-Dec-09	7.67	96.52	27.00	0	0	ND	ND	ND	0.440
HP-1249	Urambo	Muungano	Usimba	Usimba B	Deep Well	-4.99690	32.05308	20-Dec-09	7.69	17.38	28.20	0	0	ND	ND	ND	0.500
HP-1271	Urambo	Muungano	Kalemela A	Kati	Deep Well	-5.02755	32.12843	19-Dec-09	7.76	97.08	26.00	0	0	ND	ND	ND	0.600
HP-1297	Urambo	Songambebele	Miangane	Uwahilini	Shallow Well	-4.94120	32.15633	19-Dec-09	7.01	3.73	27.50	9	4	ND	ND	ND	0.600
HP-1302	Urambo	Songambebele	Songambebele	Nyerere	Deep Well	-4.94265	32.10410	19-Dec-09	8.22	30.19	26.00	21	15	ND	ND	ND	0.574
HP-1321	Urambo	Ugunga	Ugunga	Magharibi	Deep Well	-5.07032	31.75034	18-Dec-09	8.28	36.25	27.50	0	0	ND	ND	ND	0.300
HP-1388	Urambo	Ushokola	Ugunga	Ugunga Kijijini	Deep Well	-5.08551	31.84672	18-Dec-09	8.05	33.33	26.00	0	0	ND	ND	ND	0.500
UPW-06	Urambo	Kashishi	Managed by Kashishi Water Supply	Kashishi Water Supply	Spring Water	-4.36622	32.38778	19-Dec-09	7.39	6.59	27.80	93	9	ND	ND	ND	0.382
UPW-06	Urambo	Kashishi	Managed by Kashishi Water Supply	Water Supply	Tap Water	-4.38044	32.38309	19-Dec-09	7.89	13.24	28.00	0	0	ND	ND	ND	0.400
UPW-14	Urambo	Urambo	Managed by UUWASA	Managed by UUWASA	Tap Water 1	-5.06619	32.07131	20-Dec-09	7.87	28.87	29.00	0	0	ND	ND	ND	1.110
UPW-14	Urambo	Urambo	Managed by UUWASA	Managed by UUWASA	Tap Water 2	-5.08453	32.07153	20-Dec-09	8.31	34.39	30.00	0	0	ND	ND	ND	1.020
UPW-15	Urambo	Usisya	Managed by UUWASA	Managed by UUWASA	Spring Water	-5.10029	32.23132	20-Dec-09	7.52	10.31	28.30	75	23	ND	ND	ND	0.440
UPW-17	Urambo	Ussoke	Managed by Ussoke Water Supply	Ussoke Water Supply	Deep Well	-5.10130	32.33018	20-Dec-09	7.29	14.50	25.00	1100	150	ND	ND	ND	0.620
UPW-17	Urambo	Ussoke	Managed by Ussoke Water Supply	Water Supply	Tank	-5.10014	32.32201	20-Dec-09	7.47	85.55	25.30	23	0	ND	ND	ND	0.010
UPW-19	Urambo	Ussoke	Managed by Ussoke Water Supply	Ussoke Water Supply	Tank	-5.17258	32.35683	20-Dec-09	8.18	18.27	28.20	0	0	ND	ND	ND	0.650
UPW-19	Urambo	Ussoke	Managed by Ussoke Water Supply	Water Supply	Dam	-5.16363	32.35948	20-Dec-09	7.82	10.42	25.00	0	0	ND	ND	ND	0.650

<Note> N/A: Not Available, ND: Not Detected, N/O: Not Objectionable, O: Objectionable, PWSS: Piped Water Supply Scheme

室內水質試驗結果 (4/4)

Hand Pump ID / PWSS No.	District	NO ₃ (mg/L)	NO ₂ (mg/L)	NH ₄ (mg/L)	Color (TCU)	Turbidity (NTU)	TDS (mg/L)	Total Hardness (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	HCO ₃ (mg/L)	SO ₄ (mg/L)	Cl ⁻ (mg/L)	Fe (mg/L)	Mn (mg/L)	Cu (mg/L)	Zn (mg/L)	Taste	Odor	Residual Chlorine (mg/L)
Detection Limits		0.01	0.01	0.001	-	0.00	-	1.00	0.01	0.01	0.01	0.01	1.00	0.10	1.00	0.01	0.01	0.01	0.01	-	-	0.01
TPW-02	Tabora Rural	ND	ND	ND	4.35	176.00	2114.00	3.05	1.22	2.82	9.93	4.57	823.50	120.00	44.10	18.10	0.03	0.03	ND	N/O	N/O	N/A
TPW-04	Tabora Rural	2.60	ND	ND	67.82	304.00	140.00	1.52	0.61	1.71	18.14	3.21	18.40	150.00	13.83	9.25	ND	ND	0.06	N/O	N/O	N/A
TPW-04	Tabora Rural	ND	ND	ND	10.02	271.00	160.00	7.64	3.06	1.23	19.00	3.24	30.50	84.00	32.00	18.06	ND	ND	0.39	N/O	N/O	N/A
TPW-05	Tabora Rural	ND	ND	ND	0.00	30.90	132.00	6.12	2.45	1.46	16.63	0.81	24.40	13.00	12.05	1.19	ND	0.01	0.04	N/O	N/O	N/A
TPW-05	Tabora Rural	1.10	ND	ND	434.50	55.00	76.00	21.38	8.55	1.61	15.78	1.02	24.90	20.00	14.89	0.89	ND	0.89	0.23	N/O	N/O	0.31
TPW-05	Tabora Rural	ND	ND	ND	0.00	26.30	130.00	76.34	30.57	2.06	16.20	1.02	91.50	12.00	32.60	1.84	ND	ND	0.04	N/O	N/O	N/A
TPW-11	Tabora Rural	0.60	ND	ND	20.11	73.50	400.00	21.38	8.56	4.06	49.19	25.93	85.70	43.00	31.55	1.92	ND	ND	0.04	N/O	N/O	N/A
HP-1009	Tabora Urban	ND	ND	ND	13.13	70.00	305.00	15.26	6.11	4.46	51.07	23.83	122.00	96.00	31.55	2.32	ND	ND	0.04	N/O	N/O	N/A
HP-1011	Tabora Urban	1.50	ND	ND	60.21	67.40	406.00	10.69	4.28	1.43	19.46	4.44	61.00	26.00	9.93	3.15	ND	0.03	0.03	N/O	N/O	N/A
HP-1016	Tabora Urban	ND	ND	ND	0.00	198.00	1204.00	7.64	3.06	2.16	21.00	6.66	48.80	61.00	12.76	7.13	ND	0.04	0.08	N/O	N/O	N/A
HP-1046	Tabora Urban	ND	ND	ND	0.00	42.90	142.00	6.12	2.45	0.12	23.64	2.07	24.40	32.00	15.95	1.96	ND	0.02	0.02	N/O	N/O	N/A
HP-1044	Tabora Urban	0.20	ND	ND	12.11	17.40	55.00	7.64	3.06	0.91	16.19	1.09	12.20	8.00	20.21	0.32	ND	0.32	ND	N/O	N/O	N/A
-	Tabora Urban	ND	ND	ND	0.00	0.31	368.00	80.94	32.41	15.83	26.83	6.87	146.40	1.00	41.55	ND	0.01	0.01	0.03	O	N/O	N/A
HP-1051	Tabora Urban	0.70	ND	ND	83.20	335.00	512.00	7.64	3.06	1.51	17.74	3.71	24.50	170.00	12.34	8.93	ND	0.02	0.06	N/O	N/O	N/A
HP-1053	Tabora Urban	ND	ND	ND	98.40	186.00	400.00	9.16	3.67	1.71	22.00	4.36	61.10	60.00	14.89	6.30	0.01	0.02	0.08	N/O	N/O	N/A
HP-1057	Tabora Urban	ND	ND	ND	0.00	ND	748.00	206.10	82.55	27.51	63.84	4.09	280.60	20.00	88.63	ND	ND	ND	0.02	O	N/O	N/A
HP-1058	Tabora Urban	ND	ND	ND	0.00	1.58	400.00	65.65	26.29	5.69	91.04	1.95	231.80	14.00	30.84	0.76	ND	ND	0.04	N/O	N/O	N/A
TUPW-01	Tabora Urban	ND	ND	ND	0.00	0.48	96.00	24.42	9.78	1.85	6.62	2.63	61.80	16.00	4.96	ND	ND	ND	ND	N/O	N/O	0.12
TUPW-01	Tabora Urban	0.30	ND	ND	76.11	108.00	488.00	16.81	6.73	2.49	36.06	13.00	79.30	35.00	16.66	9.06	ND	0.02	0.05	O	N/O	N/A
TUPW-02	Tabora Urban	ND	ND	ND	0.00	0.88	85.00	19.85	7.95	2.61	7.22	2.85	48.90	10.00	4.25	0.04	ND	ND	0.02	O	N/O	N/A
HP-1103	Tabora Urban	ND	ND	ND	0.00	0.18	212.00	27.49	11.01	2.60	5.01	2.47	61.00	32.00	10.99	ND	ND	ND	ND	N/O	N/O	N/A
HP-1235	Urambo	ND	ND	ND	0.00	1.00	380.00	183.20	73.38	34.90	46.16	5.44	292.70	2.00	54.59	ND	ND	ND	ND	N/O	N/O	N/A
HP-1235	Urambo	ND	ND	ND	0.00	0.32	840.00	193.90	77.66	47.20	46.77	5.74	134.10	4.00	142.90	ND	ND	ND	ND	N/O	N/O	N/A
HP-1249	Urambo	ND	ND	ND	208.25	24.50	520.00	13.73	5.50	2.31	25.05	0.63	54.80	17.00	17.72	0.24	ND	0.24	0.02	N/O	N/O	N/A
HP-1271	Urambo	ND	ND	ND	224.46	26.10	560.00	4.57	1.83	ND	2.64	0.50	36.50	11.00	17.72	0.21	ND	0.21	ND	N/O	N/O	N/A
HP-1302	Urambo	ND	ND	ND	0.00	4.31	192.00	79.41	31.80	9.46	19.45	8.39	183.00	2.00	9.22	0.05	ND	0.05	ND	N/O	N/O	N/A
HP-1321	Urambo	ND	ND	ND	0.00	0.88	200.00	7.12	2.85	7.42	27.60	1.99	134.20	1.00	28.71	ND	ND	ND	ND	N/O	N/O	N/A
HP-1388	Urambo	ND	ND	ND	0.00	0.28	200.00	64.13	25.68	19.93	16.50	1.63	158.60	2.00	18.79	0.39	ND	0.38	0.02	N/O	N/O	N/A
UPW-06	Urambo	ND	ND	ND	303.58	35.30	70.00	6.12	2.45	ND	9.17	1.28	36.70	17.00	10.64	0.80	ND	0.80	0.02	N/O	N/O	N/A
UPW-06	Urambo	ND	ND	ND	235.20	29.40	140.00	36.66	14.68	0.71	10.14	0.99	85.40	13.00	7.80	1.14	ND	1.14	0.06	N/O	N/O	N/A
UPW-14	Urambo	ND	ND	ND	0.00	0.18	105.00	68.72	27.52	5.72	17.73	8.14	48.80	8.00	17.37	ND	ND	ND	0.06	N/O	N/O	N/A
UPW-14	Urambo	ND	ND	ND	0.00	0.98	228.00	56.51	22.63	17.72	28.27	1.90	91.50	5.00	28.71	ND	ND	ND	0.18	N/O	N/O	N/A
UPW-15	Urambo	0.02	ND	ND	797.72	223.00	144.00	15.26	6.11	2.12	7.04	3.65	61.00	140.00	10.99	1.72	ND	1.72	0.14	N/O	N/O	N/A
UPW-17	Urambo	ND	ND	ND	17.11	188.00	212.00	33.59	13.45	2.84	12.28	2.69	48.90	57.00	11.34	0.14	ND	0.14	ND	O	N/O	N/A
UPW-17	Urambo	ND	0.33	ND	13.12	26.70	320.00	21.38	8.54	2.50	10.95	2.59	54.90	120.00	14.52	0.64	ND	0.64	ND	N/O	N/O	N/A
UPW-19	Urambo	ND	ND	ND	188.34	21.90	520.00	73.29	29.35	3.24	6.29	5.14	122.00	17.00	17.02	2.53	ND	2.53	0.02	O	N/O	N/A
UPW-19	Urambo	ND	ND	ND	436.90	51.40	220.00	21.38	8.56	2.26	7.11	4.26	54.90	23.00	10.28	2.12	ND	2.12	ND	N/O	N/O	N/A

<Note> N/A: Not Available, ND: Not Detected, N/O: Not Objectionable, P/WSS: Piped Water Supply Scheme

データ集 D

水理地質現地調査資料

Check list (Isanga village)

Date	10 June, 2010				0 m		
Name	Mr/s Yamakawa, Yabuta and Chikarabhani				1 m	Reddish brow ferruginous soil including quartz gravels	
Area name	Isanga				2 m	Light grey silty soil as a clay layer	
Coordination	Longitude	S04°03'13.9"	Way point 03		3 m		
	Latitude	E33°11'53.7"			4 m		
	Altitude	1,140 m			5 m		
Landscape	Form	valley slope <input type="checkbox"/> ridge			6 m		
	Vegetation	thick thin <input type="checkbox"/> sparse none, tree grass			7 m		
	Land owner	(Cultivated area)			8 m		
Geology	Rock name	Greenstone	Sample No. -		9 m		
	Characteristics	blocky, gneissose (no outcrop)			10 m	Weathered greenstone as a basement	
	Soil colour	black <input type="checkbox"/> brown red yellow grey white					
	Soil type	<input type="checkbox"/> fine medium coarse ()					
	Clay layer	<input type="checkbox"/> yes no (thickness 4 m < at stream)					
	Saproc crust	strong weak (thickness - m)					
Fractures	Strike and dip	unknown					
	Scale	large medium <input type="checkbox"/> small					
	Characteristics	not observed at surface					
Water	level	(unknown) m below the surface					
	Other characteristics	Hand-pump 58 m deep located in vicinity					
Geometry	Distance from road	500 m to a main road					
	Water available	<input type="checkbox"/> yes no ()					
	Other characteristics	-					
Geophysical survey	Possibility	<input type="checkbox"/> high medium low					
	Point and direction	point No. 1 in NE-SW and point No. 2 in NE-SW					
	Other characteristics	Gold mine nearby					
Photo No.	01 - 07						
Sketch							

Check list (Usunga village)

			Explanation	
Date	11 June, 2010		<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <div style="border: 1px solid black; height: 100%; position: relative; margin-bottom: 5px;"> 0 m 10 m </div> <div style="border: 1px solid black; height: 100%; position: relative; margin-bottom: 5px;"> 1 m 2 m </div> <div style="border: 1px solid black; height: 100%; position: relative; margin-bottom: 5px;"> 3 m 4 m </div> <div style="border: 1px solid black; height: 100%; position: relative; margin-bottom: 5px;"> 5 m 6 m </div> <div style="border: 1px solid black; height: 100%; position: relative; margin-bottom: 5px;"> 7 m 8 m </div> <div style="border: 1px solid black; height: 100%; position: relative; margin-bottom: 5px;"> 9 m 10 m </div> </div> <div style="flex: 1; padding-left: 10px;"> <p style="margin-top: 0;">Light grey silty soil as a clay layer</p> </div> </div>	
Name	Mr/s Yamakawa, Yabuta and Chikarabhani			
Area name	Usunga			
Coordination	Longitude	S05o42'14.0"		Way point 010
	Latitude	E32o56'25.4"		
	Altitude	1,202 m		
Landscape	Form	valley slope ridge		
	Vegetation	thick thin sparse none, tree grass		
	Land owner	(cultivated land mainly paddy field)		
Geology	Rock name	unknown		Sample No. -
	Characteristics	blocky, gneissose (Gneiss)		
	Soil colour	black brown red yellow grey white		
	Soil type	fine medium coarse ()		
	Clay layer	yes no (thickness over 2 m)		
	Saproc crust	strong weak (thickness - m)		
Fractures	Strike and dip	not clear at surface		
	Scale	large medium small		
	Characteristics	fractures developed very well		
Water	level	4 m below the surface		
	Other characteristics	Shallow in the east		
Geometry	Distance from road	300 m from main road		
	Water available	yes no ()		
	Other characteristics			
Geophysical survey	Possibility	high medium low		
	Point and direction	point No. 1 in ENE-WSW and point No. 2 in ENE-WSW		
	Other characteristics	flood in wet season		
Photo No.	10 - 16			
Sketch	<div style="display: flex; align-items: center;"> <div style="flex: 1;"> </div> </div>			

Check list (Mpombwe village)

Date	11 June, 2010			0 m		Explanation Brown ferruginous soil
Name	Mr/s Yamakawa, Yabuta and Chikarabhani					
Area name	Mpombwe					
Coordination	Longitude	S04°03'18.3"	Way point 008	1 m	?	
	Latitude	E33°12'00.3"				
	Altitude	1,170 m				
Landscape	Form	valley slope ridge		2 m		
	Vegetation	thick thin sparse none, tree grass				
	Land owner	(cultivated land)				
Geology	Rock name	no outcrop	Sample No. -	3 m		
	Characteristics	blocky, gneissose (Basement granite)				
	Soil colour	black brown red yellow grey white				
	Soil type	fine medium coarse ()				
	Clay layer	yes no (thickness m)		4 m		
	Saproc crust	strong weak (thickness m)				
Fractures	Strike and dip	not observed				
	Scale	large medium small		5 m		
	Characteristics	intersection between lineaments and dykes in major fault zone				
Water	level	5.0 m below the surface				
	Other characteristics	hand-pump nearby (shallow in the east)				
Geometry	Distance from road	5,000 m		6 m		
	Water available	yes no ()				
	Other characteristics					
Geophysical survey	Possibility	high medium low		7 m		
	Point and direction	point No. 1 in NW-SE and point No. 2 in NE-SW				
	Other characteristics					
Photo No.	8, 9			8 m		
Sketch				9 m		
				10 m		

Check list (Mpumbuli village)

Date	28 June, 2010		
Name	Mr/s Yamakawa, Yamasaki and Misango		
Area name	Mpumbuli		
Coordination	Longitude	S05°22'27.9"	Way point 038
	Latitude	E32°41'11.5"	
	Altitude		
Landscape	Form	valley <input checked="" type="checkbox"/> slope <input type="checkbox"/> ridge	
	Vegetation	<input checked="" type="checkbox"/> thick <input type="checkbox"/> thin <input type="checkbox"/> sparse <input type="checkbox"/> none, <input type="checkbox"/> tree <input type="checkbox"/> grass	
	Land owner	(forest reserves partially)	
Geology	Rock name	unknown	Sample No. -
	Characteristics	blocky, gneissose (Granite)	
	Soil colour	black brown red yellow <input checked="" type="checkbox"/> grey white	
	Soil type	<input checked="" type="checkbox"/> fine <input type="checkbox"/> medium <input type="checkbox"/> coarse ()	
	Clay layer	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no (thickness unknown m)	
	Sapocrust	strong weak (thickness - m)	
Fractures	Strike and dip	Not clear at surface but major fault trending N-S and dipping east judging from regional geology	
	Scale	<input checked="" type="checkbox"/> large <input type="checkbox"/> medium <input type="checkbox"/> small	
	Characteristics	Showing swamp at surface	
Water	level	Unknown m bellow the surface	
	Other characteristics	Water exists in the stream	
Geometry	Distance from road	0 m along the main road	
	Water available	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no ()	
	Other characteristics		
Geophysical survey	Possibility	<input checked="" type="checkbox"/> high <input type="checkbox"/> medium <input type="checkbox"/> low	
	Point and direction	point No.1 in N-S direction and No.2 in the same	
	Other characteristics	Flood in wet season, no access road to No. 3	
Photo No.	20 - 24		
Sketch			

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Explanation

Light grey silty soil as a clay layer

Check list (Mabama village)

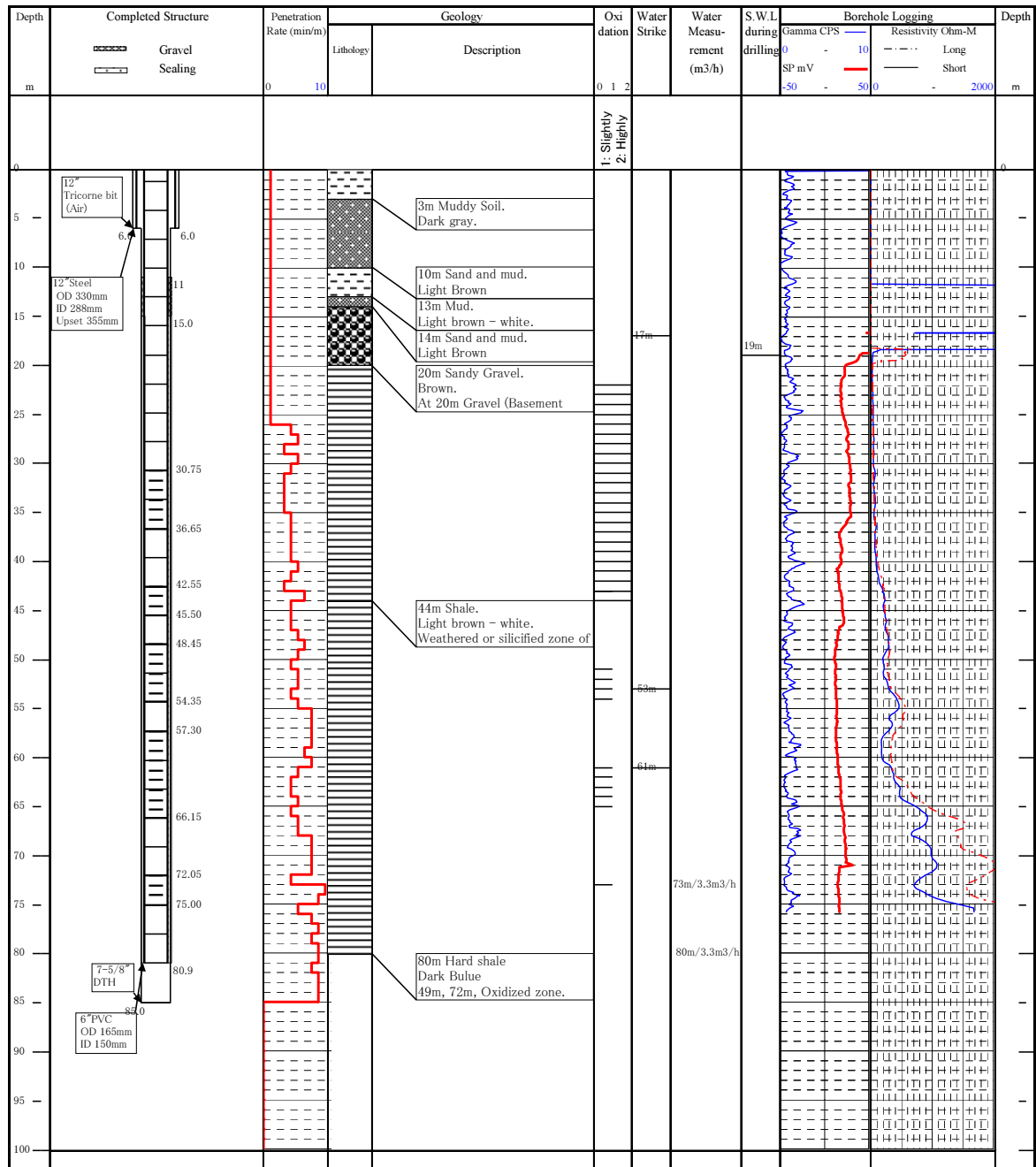
Date	13 June, 2010			0 m	<div style="text-align: center;">Explanation</div> <div style="background-color: #e0e0e0; padding: 5px;">Light grey silty soil as a clay layer</div>
Name	Mr/s Yamakawa, Yabuta and Chikarabhani			1 m	
Area name	Mabama			2 m	
Coordination	Longitude	S05°42'21.2"	Way point 016	3 m	
	Latitude	E32°56'13.1"		4 m	
	Altitude	1,150 m		5 m	
Landscape	Form	valley <input type="checkbox"/> slope <input type="checkbox"/> ridge		6 m	
	Vegetation	<input type="checkbox"/> thick <input type="checkbox"/> thin <input type="checkbox"/> sparse <input type="checkbox"/> none, tree <input type="checkbox"/> grass		7 m	
	Land owner	(natural forest)		8 m	
Geology	Rock name	unknown	Sample No. -	9 m	
	Characteristics	blocky, gneissose (Basement granite)		10 m	
	Soil colour	black brown red yellow grey white		11 m	
	Soil type	<input type="checkbox"/> fine <input type="checkbox"/> medium <input type="checkbox"/> coarse ()		12 m	
	Clay layer	<input type="checkbox"/> yes <input type="checkbox"/> no (thickness unknown m)		13 m	
	Saproc crust	strong weak (thickness none m)		14 m	
Fractures	Strike and dip	not observed at surface		15 m	
	Scale	<input type="checkbox"/> large <input type="checkbox"/> medium <input type="checkbox"/> small		16 m	
	Characteristics	Intersection between major fault and interpreted dykes		17 m	
Water	level	1.5 – 5.0 mbellow the surface		18 m	
	Other characteristics	shallow in the west		19 m	
Geometry	Distance from road	1,500 m		20 m	
	Water available	<input type="checkbox"/> yes <input type="checkbox"/> no ()		21 m	
	Other characteristics	natural forest but no bush at surface		22 m	
Geophysical survey	Possibility	<input type="checkbox"/> high <input type="checkbox"/> medium <input type="checkbox"/> low		23 m	
	Point and direction	point No. 1 in E-W, point No. 2 in E-W, point No. 3 in E-W and point No. 4 in E-W		24 m	
	Other characteristics			25 m	
Photo No.	17 – 20, 23			26 m	
Sketch				27 m	

Check list (Kakola village)

Date	13 June, 2010			0 m	<div style="background-color: #e0e0e0; padding: 5px;"> Explanation Light grey silty soil as a clay layer </div>
Name	Mr/s Yamakawa, Yabuta and Chikarabhani			1 m	
Area name	Kakola			2 m	
Coordination	Longitude	S04°52'02.2"	Way point 018	3 m	
	Latitude	E32°49'45.3"		4 m	
	Altitude	1,190 m		5 m	
Landscape	Form	valley slope ridge (as overall)	6 m		
	Vegetation	thick thin sparse none, tree grass	7 m		
	Land owner	(Paddy field)	8 m		
Geology	Rock name	No outcrop	Sample No. -	9 m	
	Characteristics	blocky , gneissose (Basement granite)		10 m	
	Soil colour	black brown red yellow grey white			
	Soil type	fine medium coarse ()			
	Clay layer	yes no (thickness unknown m)			
	Saprocrust	strong weak (thickness none m)			
Fractures	Strike and dip	unknown			
	Scale	large medium small			
	Characteristics	Intersection between major fault and lineament			
Water	level	1.5 m bellow the surface			
	Other characteristics	much water at surface			
Geometry	Distance from road	less than 2,000 m			
	Water available	yes no ()			
	Other characteristics				
Geophysical survey	Possibility	high medium low			
	Point and direction	point No. 1 in NE-SW, point No.2 in N-S and point No. 3 in NNW-SSE			
	Other characteristics				
Photo No.	24 - 32				
Sketch					

データ集 E
試掘調査結果

Drilling No.	NZ-047BH1	Registration No.	672/2010	Date of Commencement	24-Sep-10
Village	Isanga	GPS Coordinates (Arc1960):		Date of Completion	27-Sep-10
Ward	Lusu	X	Y	Contractor	DDCA
District/Municipality	Nzega	36M0523911	9550830	Rig	Sankyo
				Drille	Tito

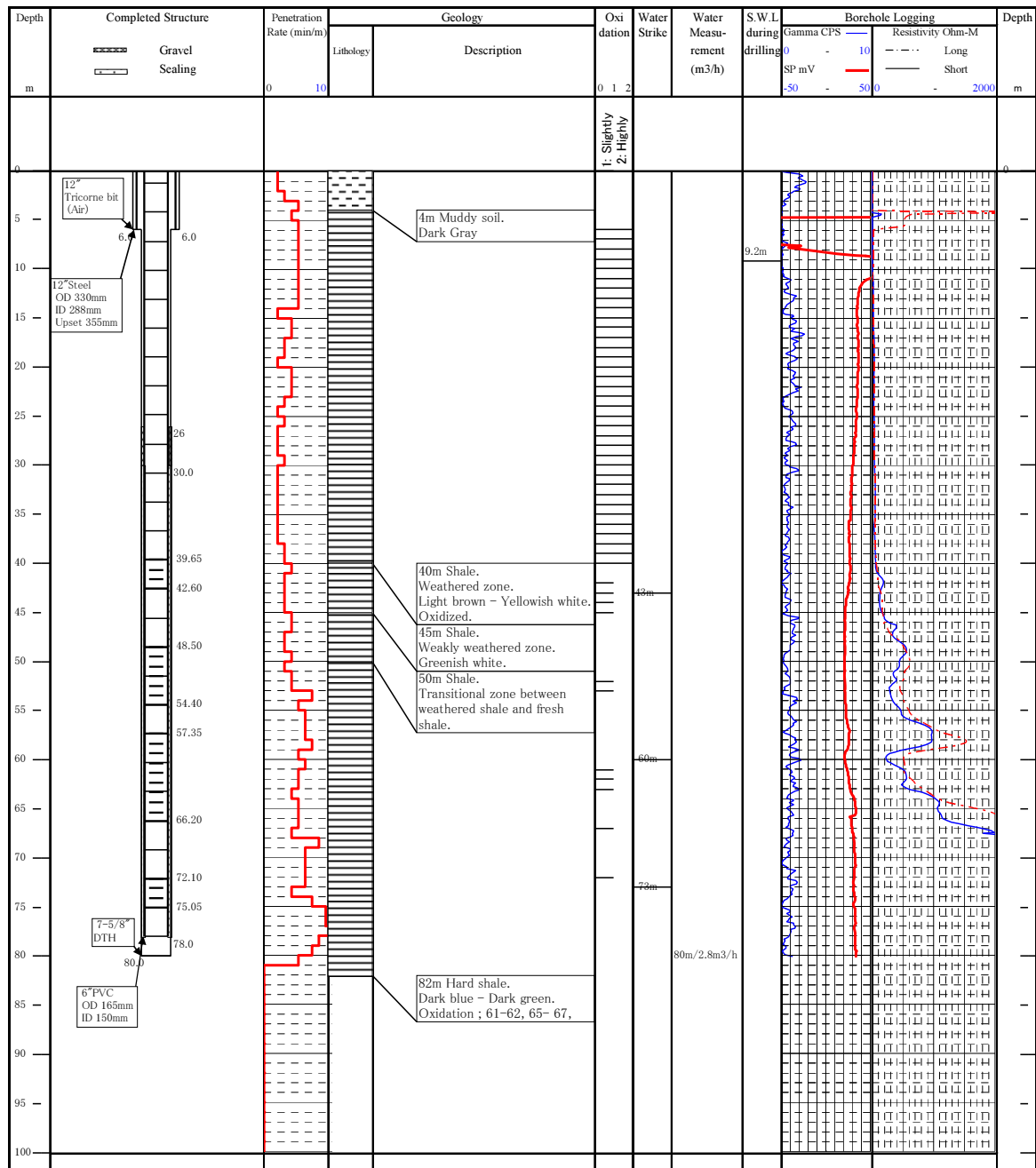


E. 1 Nゼガ県イサンガ村 BH1 掘削柱状図

タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

Drilling No.	NZ-047BH2	Registration No.	673/2010	Date of Commencement	27-Sep-10
Village	Isanga	GPS Coordinates (Arc1960):		Date of Completion	28-Sep-10
Ward	Lusu	X	Y	Contractor	DDCA
District/Municipality	Nzega	36M0524030	9550844	Rig	Sankyo Drille Tito

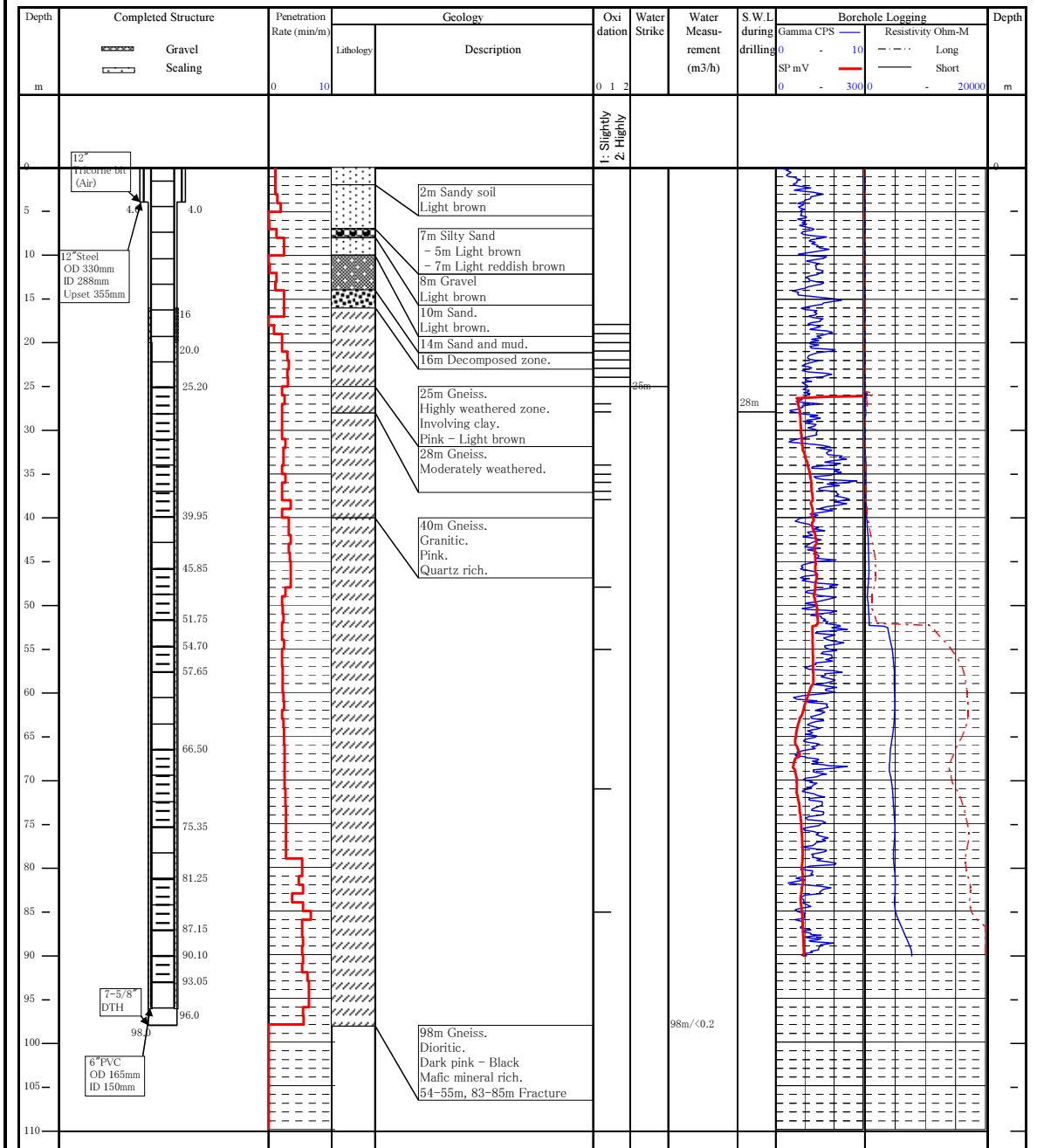


E. 2 ンゼガ県イサンガ村 BH2 掘削柱状図

タボラ州地方給水・衛生計画策定支援プロジェクト

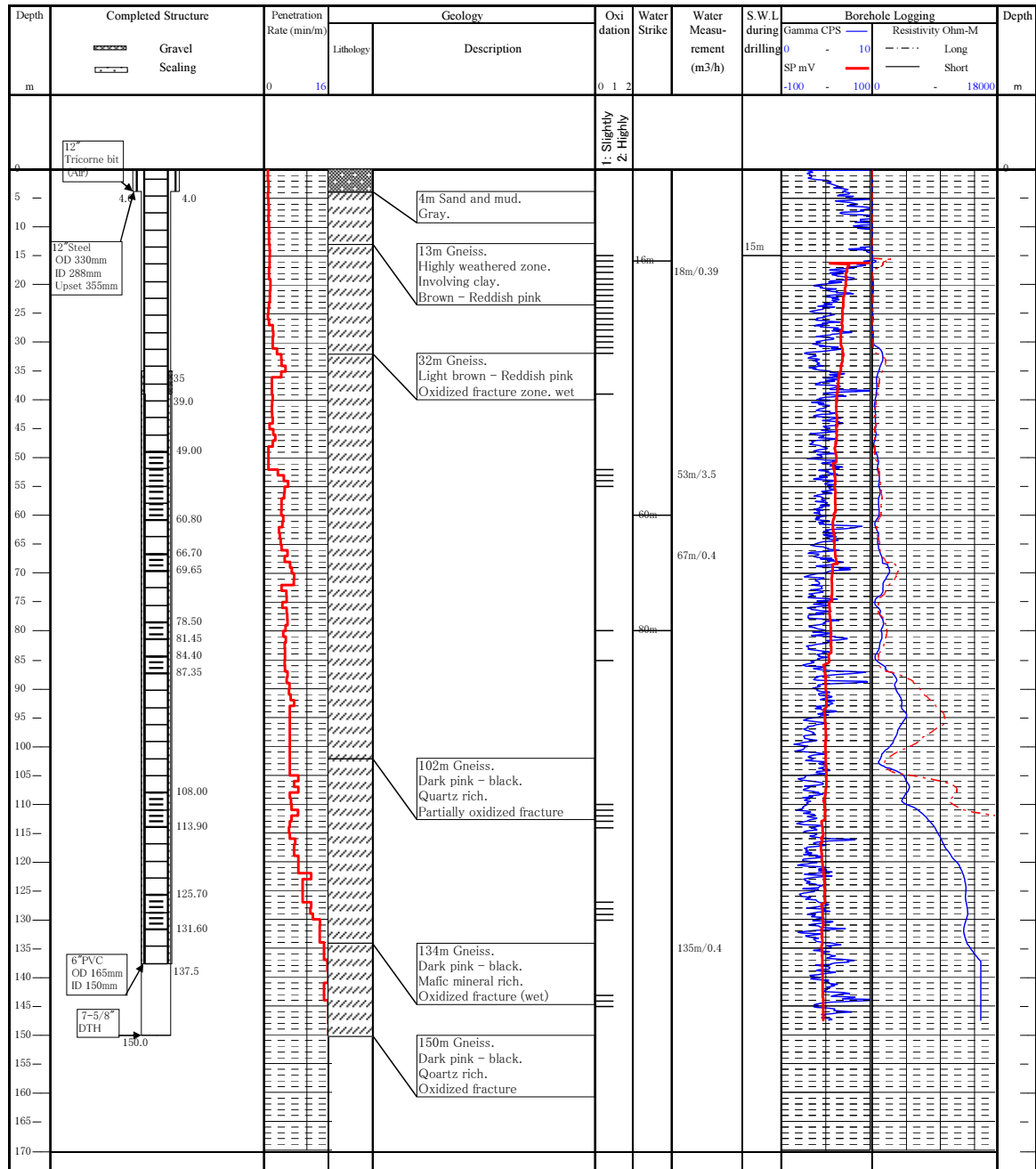
JICA

Drilling No.	SK-028BH1	Registration No.	670/2010	Date of Commencement	14-Sep-10
Village	Usunga	GPS Coordinates (Arc1960):		Date of Completion	17-Sep-10
Ward	Kipanga	X	Y	Contractor	DDCA
District/Municipality	Sikonge	36M0492530	9368238	Rig	Sankyo Drille Tito



E. 3 シコンゲ県ウスンガ村 BH1 柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト JICA

Drilling No.	SK-028BH2	Registration No.	671/2010	Date of Commencement	18-Sep-10
Village	Usunga	GPS Coordinates (Arc1960):		Date of Completion	22-Sep-10
Ward	Kipanga	X	Y	Contractor	DDCA
District/Municipality	Sikonge	36M0494744	9368375	Rig	Sankyo
				Drille	Tito

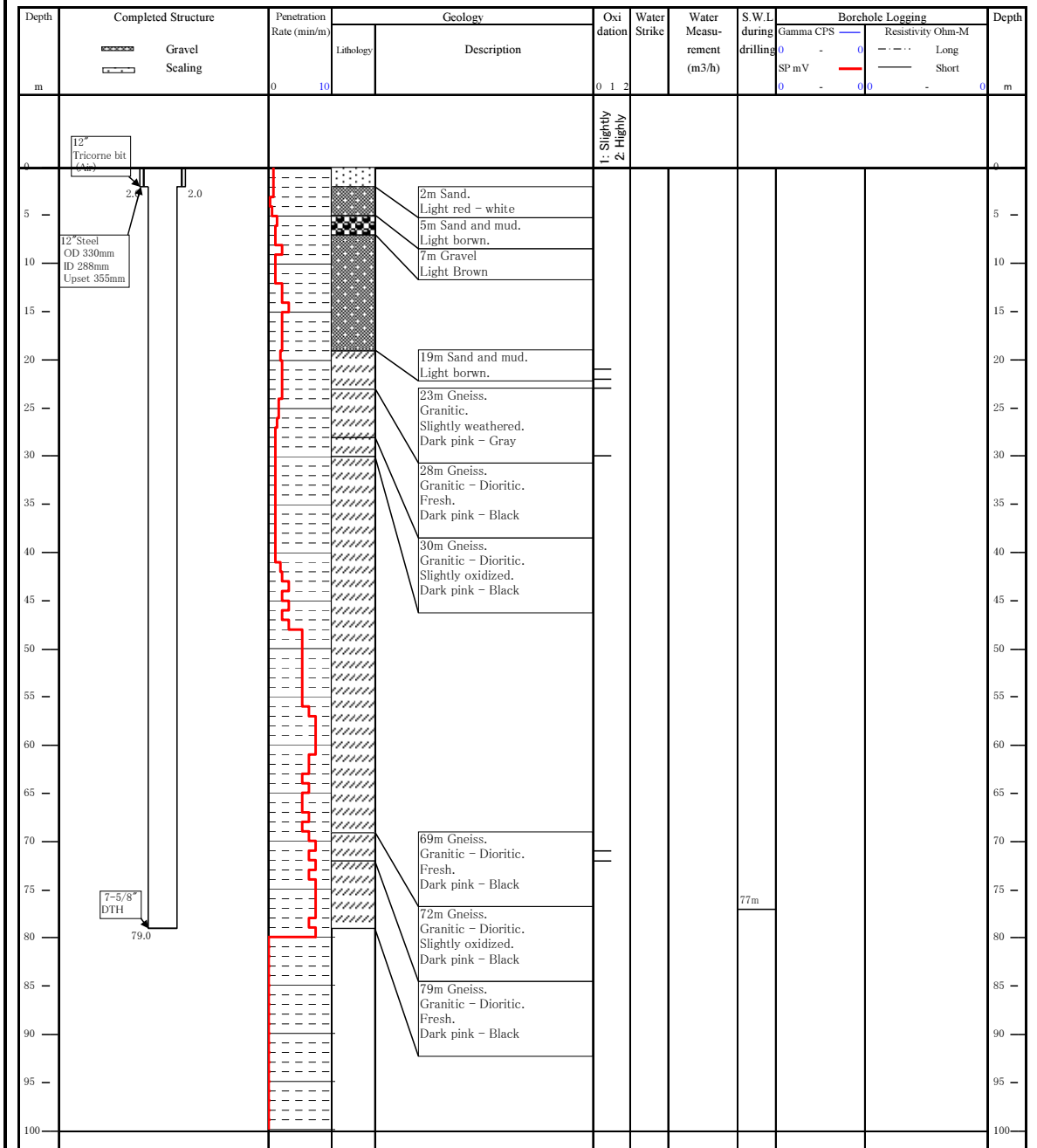


E. 4 シコンゲ県ウスンガ村 BH2 掘削柱状図

タボラ州地方給水・衛生計画策定支援プロジェクト

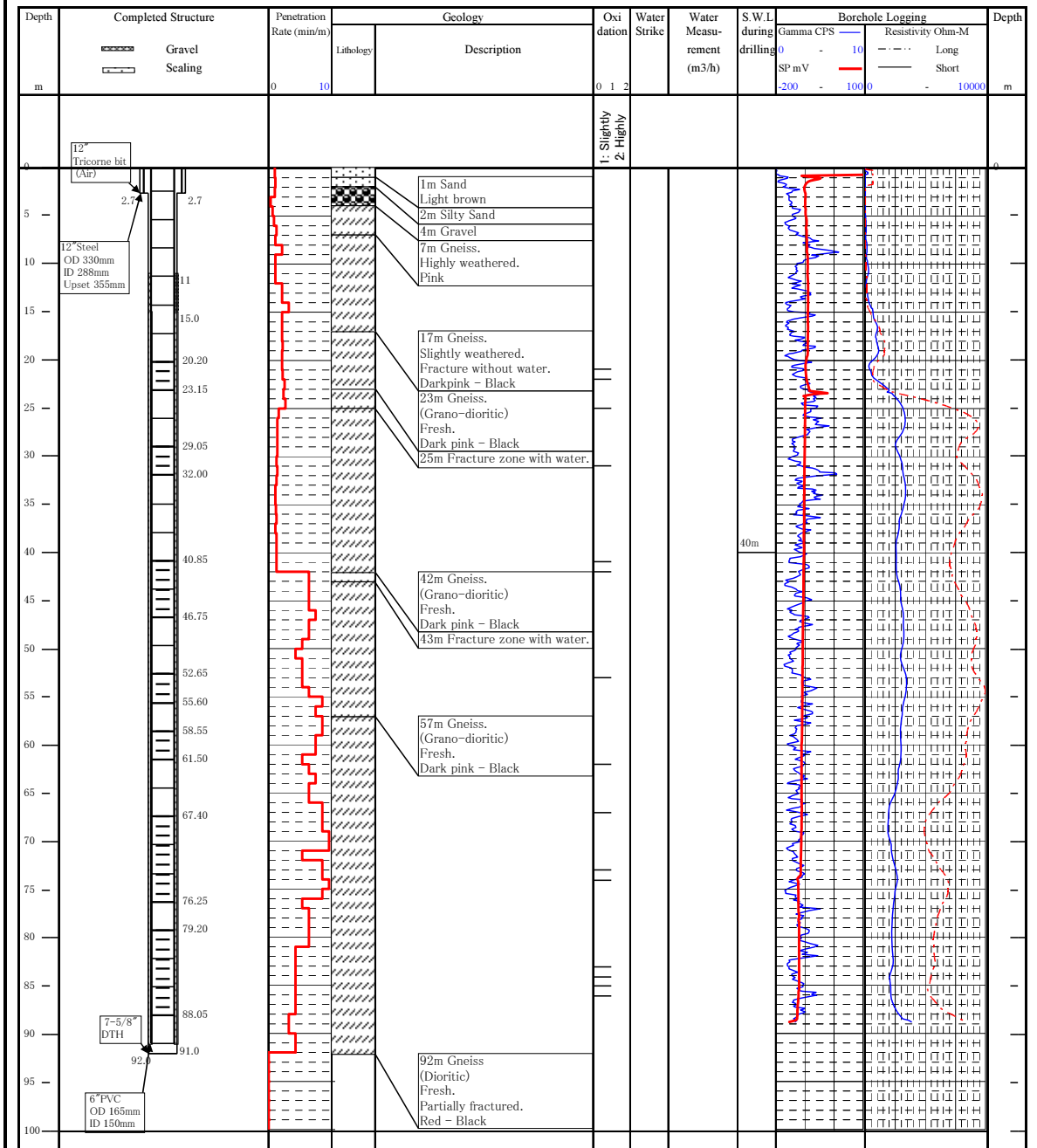
JICA

Drilling No.	SK-037BH1	Registration No.		Date of Commencement	10-Sep-10
Village	Mpombwe	GPS Coordinates (Arc1960):		Date of Completion	11-Sep-10
Ward	Pangale	X	Y	Contractor	DDCA
District/Municipality	Sikonge	36M0466529	9402556	Rig	Sankyo
				Driller	Tito



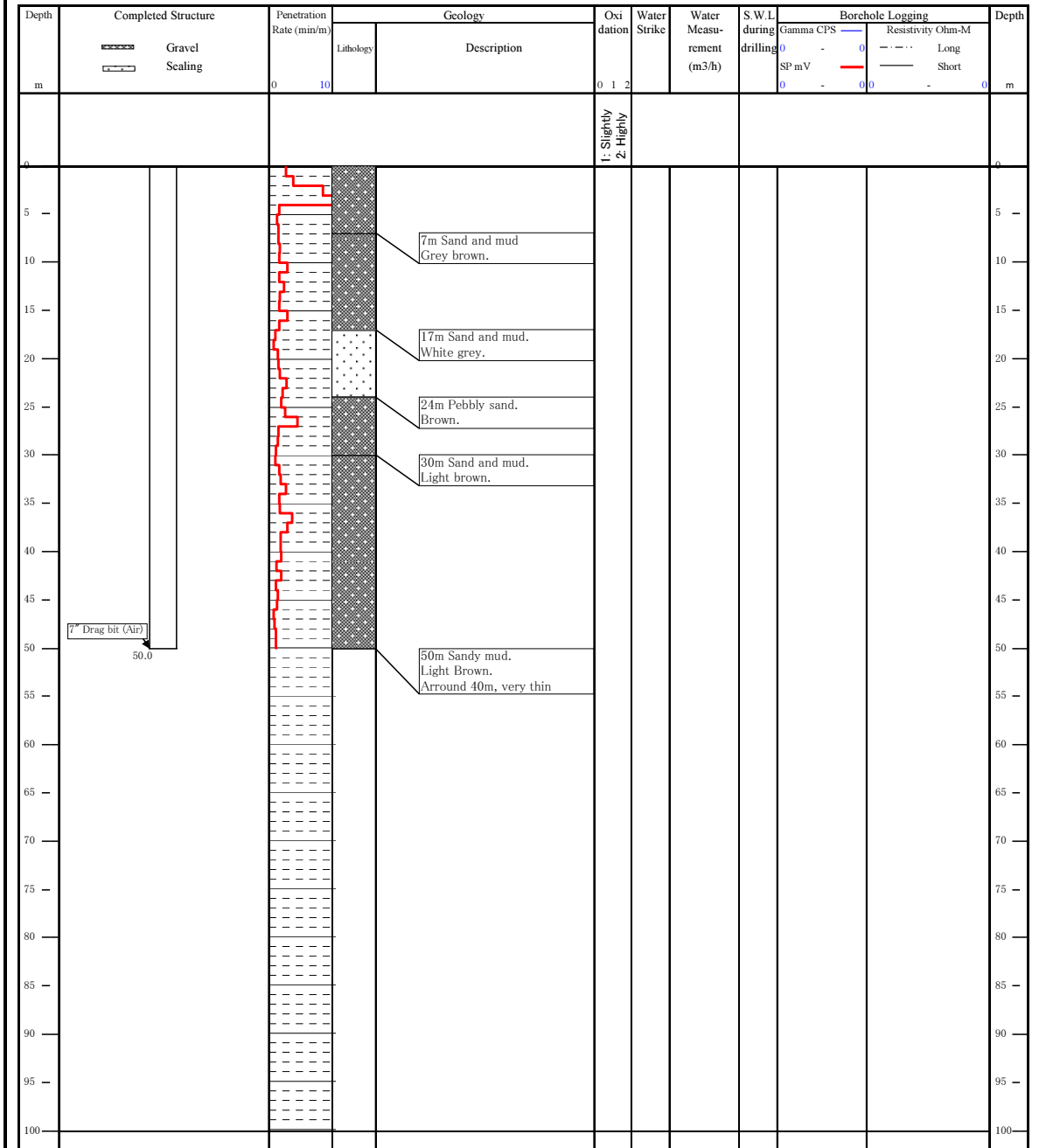
E. 5 シコンゲ県ムポンブエ村 BH1 掘削柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト JICA

Drilling No.	SK-037BH2	Registration No.	669/2010	Date of Commencement	12-Sep-10
Village	Mpombwe	GPS Coordinates (Arc1960):		Date of Completion	13-Sep-10
Ward	Pangale	X	Y	Contractor	DDCA
District/Municipality	Sikonge	36M0465785	9405719	Rig	Sankyo
				Driller	Tito



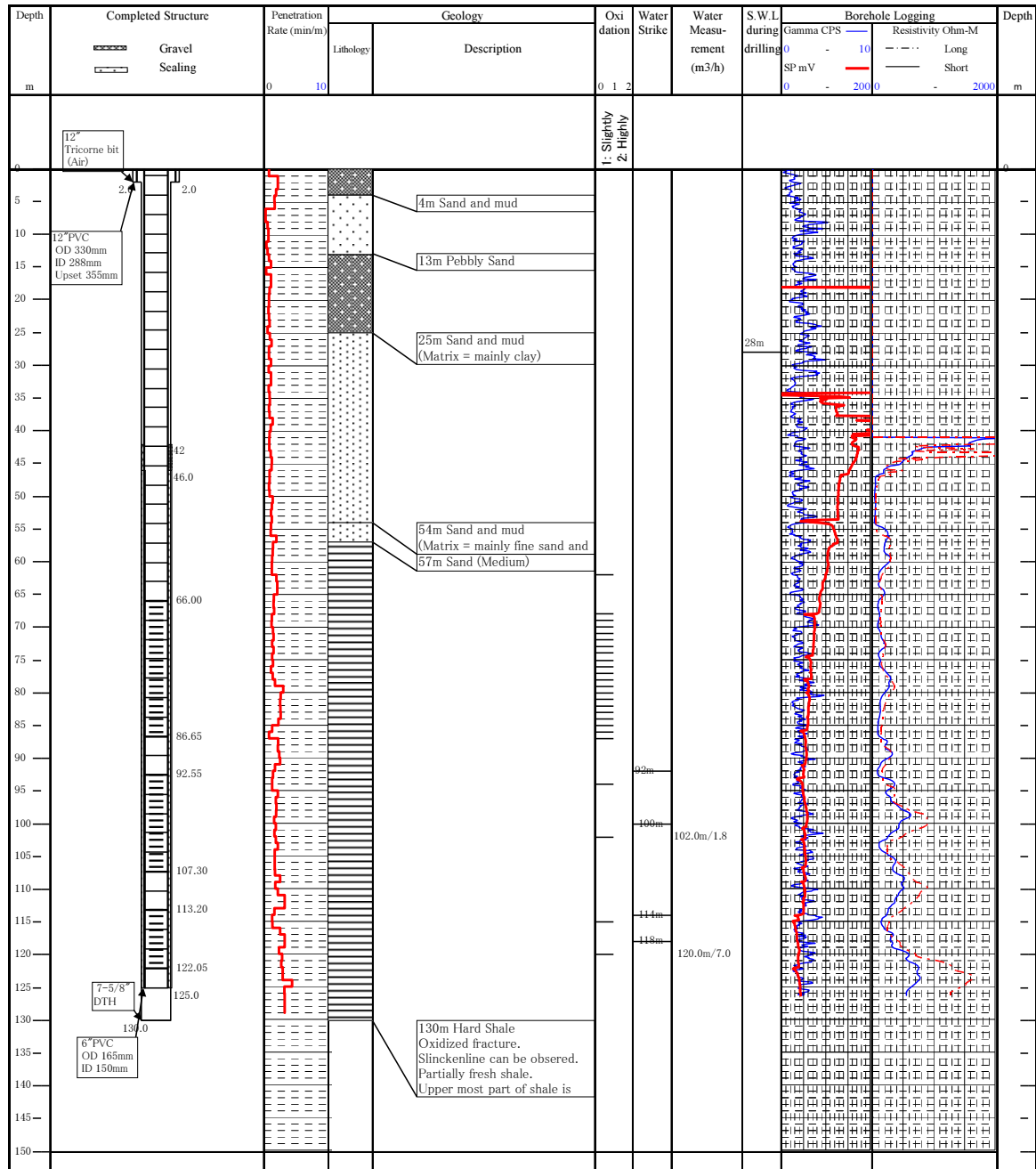
E. 6 シロンゲ県ムポンブエ村 BH2 掘削柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト JICA

Drilling No.	TR-054BH1	Registration No.		Date of Commencement	17-Aug-10
Village	Mpumbuli	GPS Coordinates (Arc1960):		Date of Completion	17-Aug-10
Ward	Kizengi	X	Y	Contractor	DDCA
District/Municipality	Tabora Rural	36M0549469	9413752	Rig	Shlum
				Drille	Kanza



E.7 タボラ・ルーラル県ムブンプリ村 BH1 掘削柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト JICA

Drilling No.	TR-054BH2	Registration No.	662/2010	Date of Commencement	18-Aug-10
Village	Mpumbuli	GPS Coordinates (Arc1960):		Date of Completion	19-Aug-10
Ward	Kizengi	X	Y	Contractor	DDCA
District/Municipality	Tabora Rural	36M0549535	9413742	Rig	Shlum
				Drille	kanza

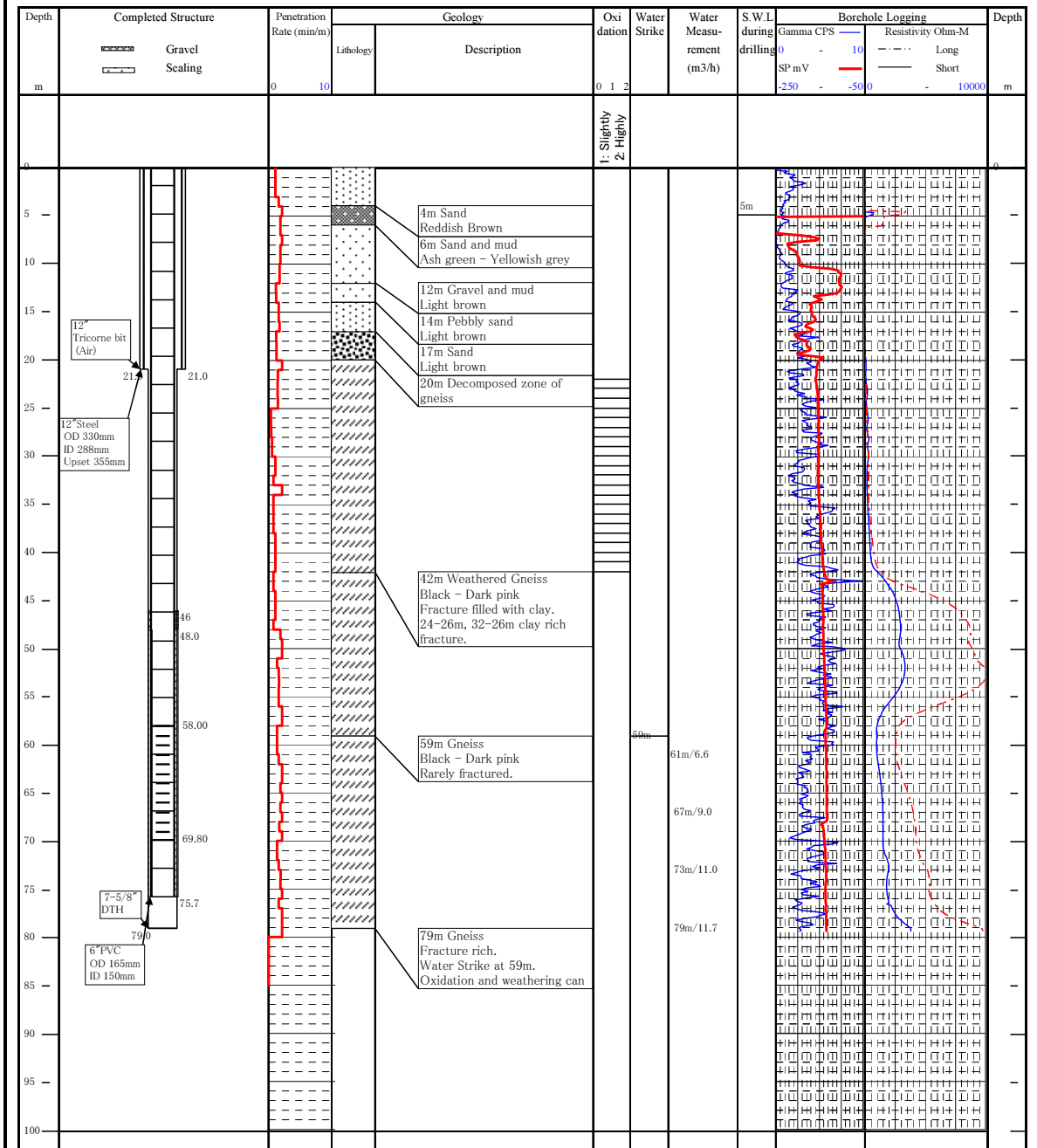


E. 8 タボラ・ルーラル県ムブンプリ村 BH2 掘削柱状図

タボラ州地方給水・衛生計画策定支援プロジェクト

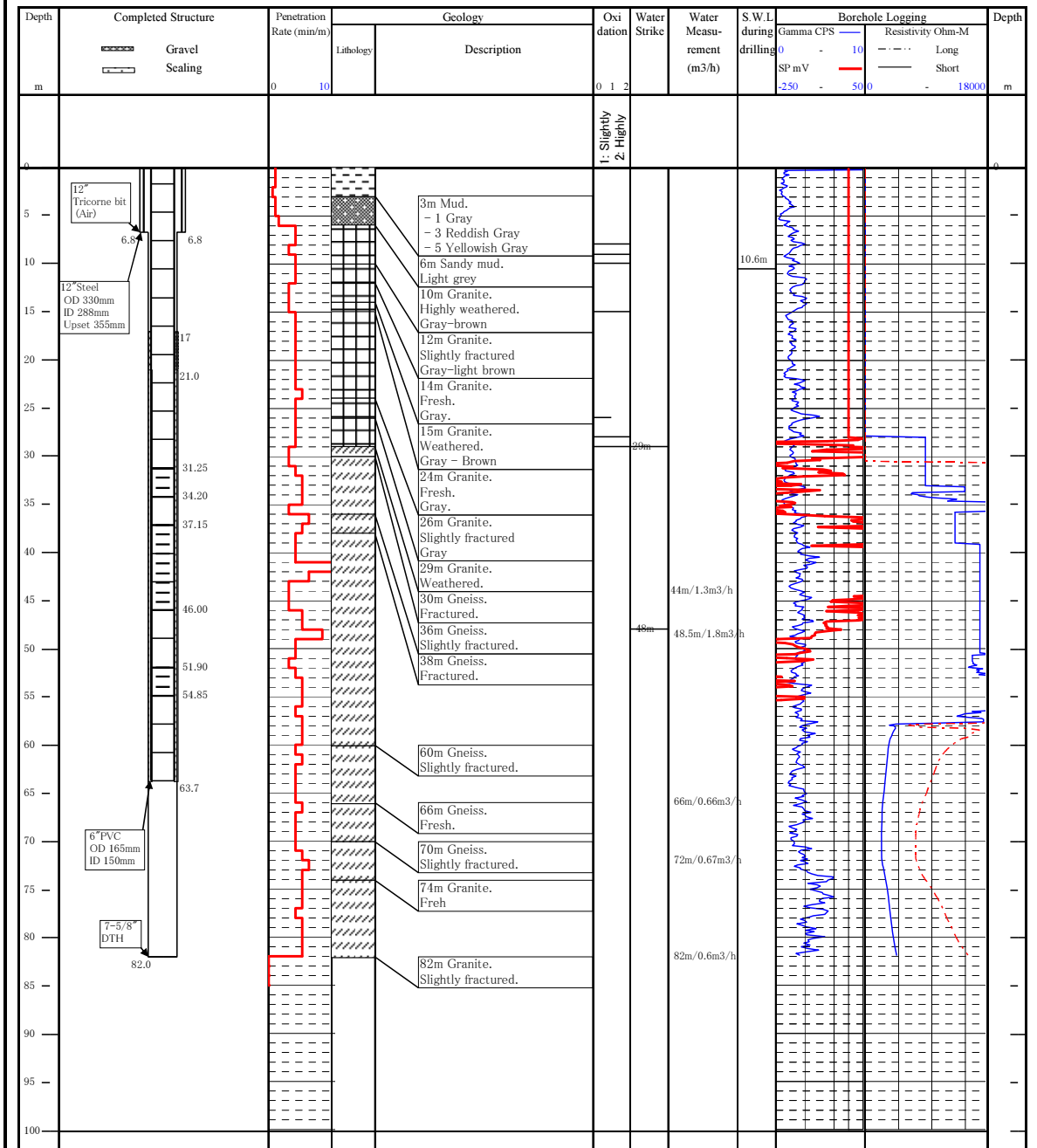
JICA

Drilling No.	TR-069BH1	Registration No.	664/2010	Date of Commencement	1-Sep-10
Village	Mabama	GPS Coordinates (Arc1960):		Date of Completion	9-Sep-10
Ward	Mabama	X	Y	Contractor	DDCA
District/Municipality	Tabora Rural	36M0448218	9433981	Rig	Shlum Drille kanza



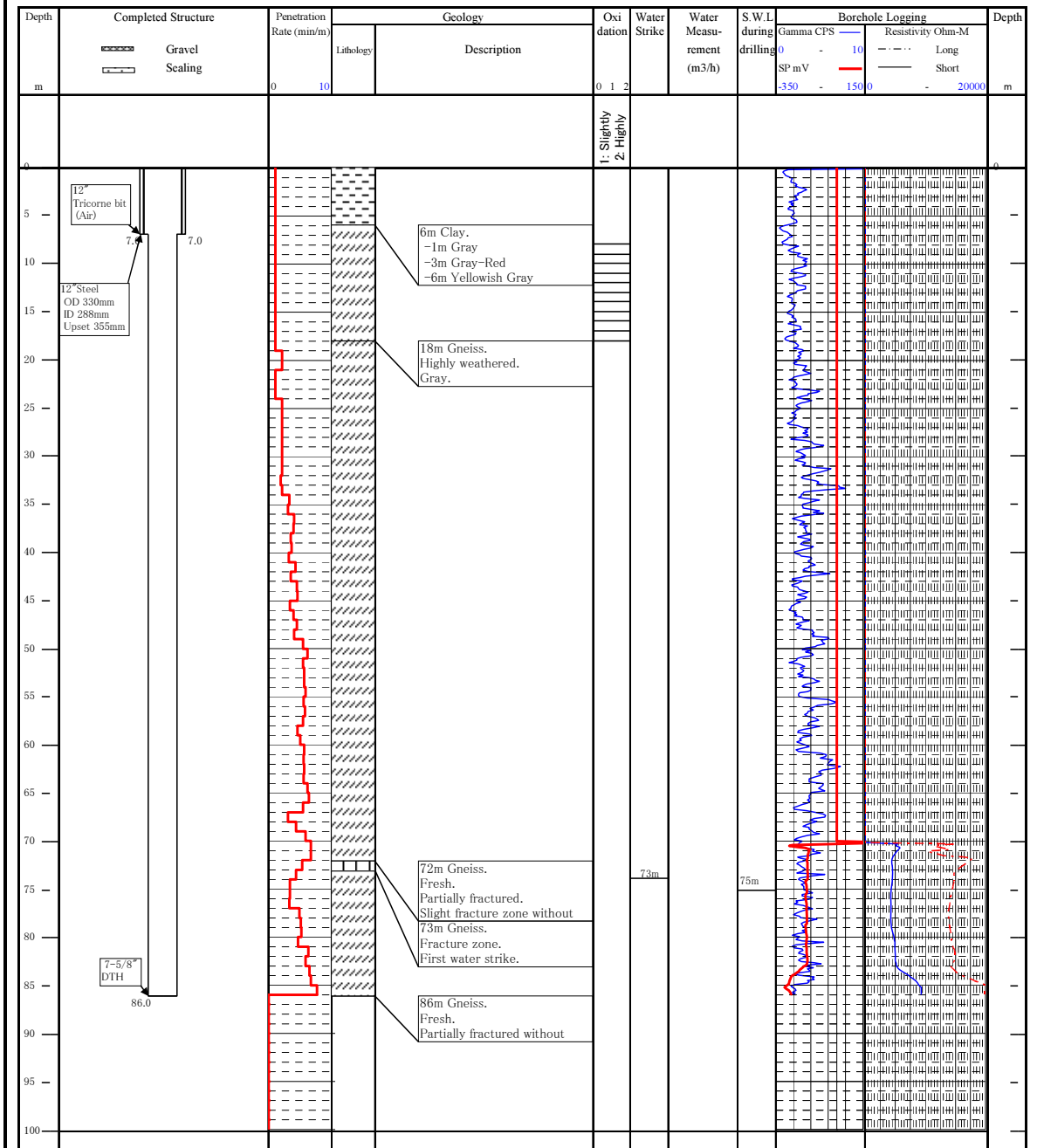
E.9 タボラ・ルーラル県マバマ村 BH1 掘削柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト JICA

Drilling No.	TR-069BH2	Registration No.	665/2010	Date of Commencement	10-Sep-10
Village	Mabama	GPS Coordinates (Arc1960):		Date of Completion	13-Sep-10
Ward	Mabama	X	Y	Contractor	DDCA
District/Municipality	Tabora Rural	36M0448362	9433208	Rig	Shlum Drille kanza



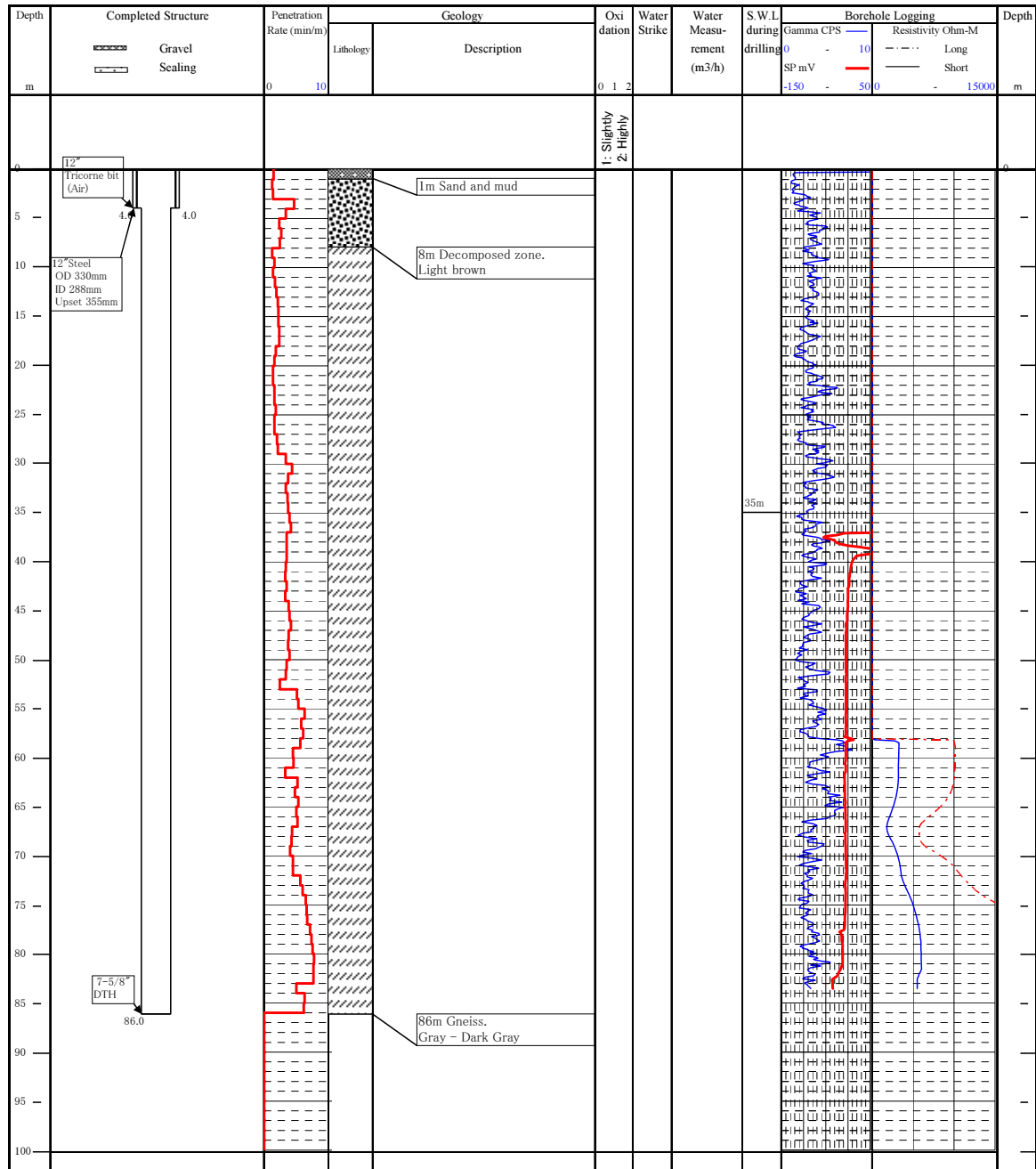
E. 10 タボラ・ルーラル県マバマ村 BH2 掘削柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト JICA

Drilling No.	TR-069BH3	Registration No.		Date of Commencement	14-Sep-10
Village	Mabama	GPS Coordinates (Arc1960):		Date of Completion	16-Sep-10
Ward	Mabama	X	Y	Contractor	DDCA
District/Municipality	Tabora Rural	36M0448517	9433250	Rig	Shlum Drille kanza



E. 11 タボラ・ルーラル県マバマ村 BH3 掘削柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト JICA

Drilling No.	TR-098BH1	Registration No.		Date of Commencement	19-Sep-10
Village	Ufuluma	GPS Coordinates (Arc1960):		Date of Completion	22-Sep-10
Ward	Ufuluma	X	Y	Contractor	DDCA
District/Municipality	Tabora Rural	36M0432350	9447793	Rig	Shlum
				Drille	kanza

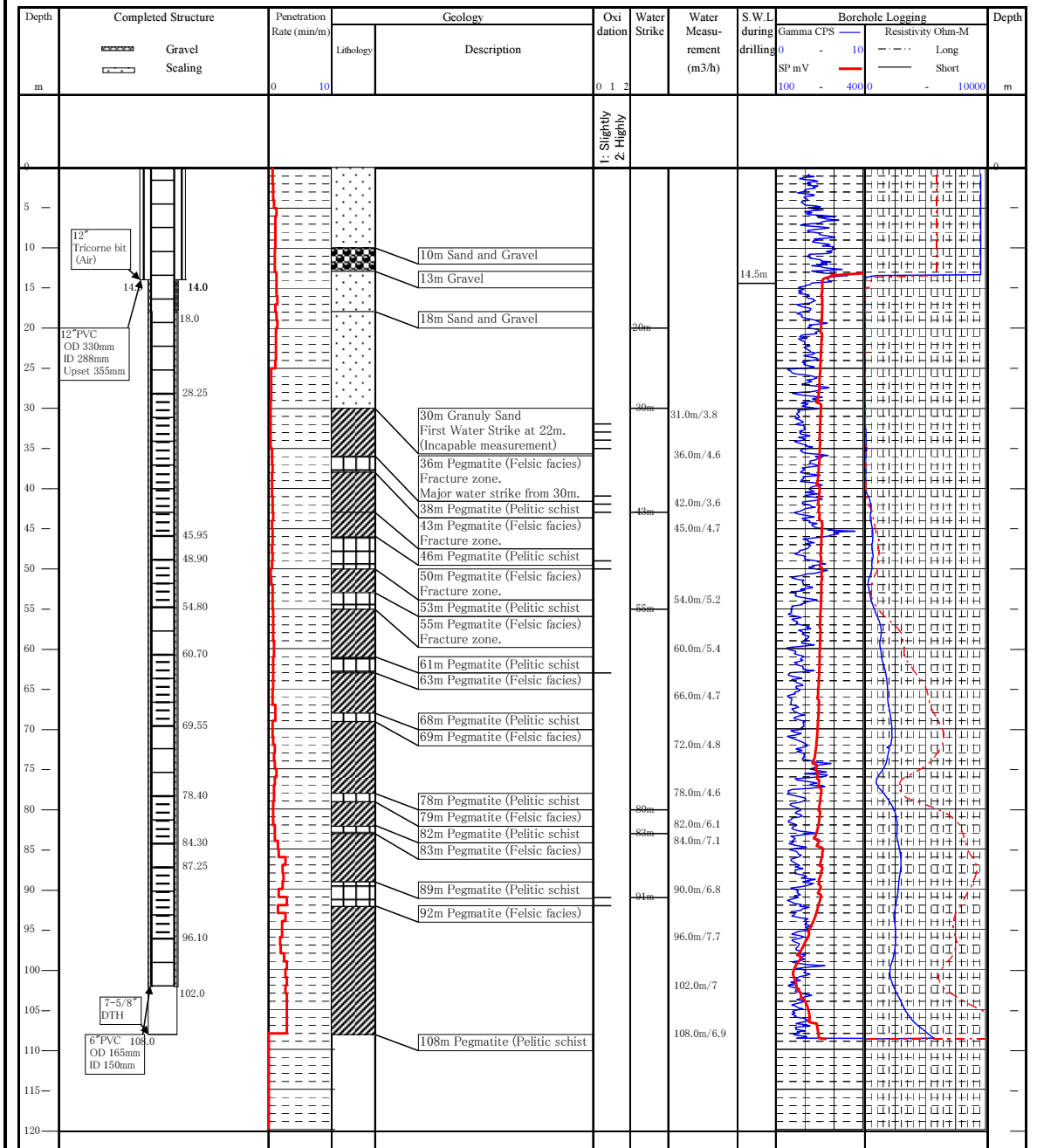


E. 12 タボラ・ルーラル県ウフルマ村 BH1 掘削柱状図

タボラ州地方給水・衛生計画策定支援プロジェクト

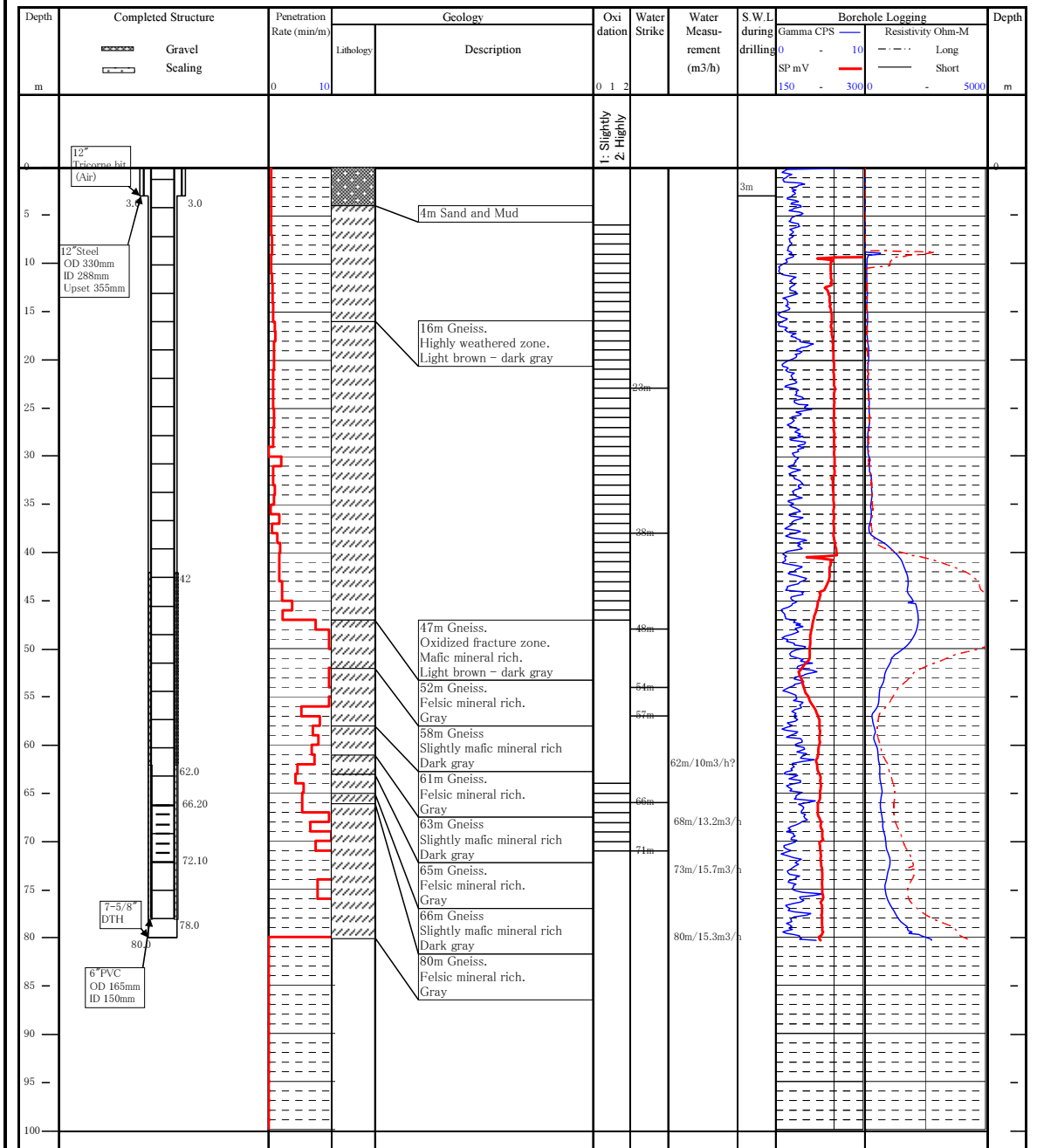
JICA

Drilling No.	TU-008BH1	Registration No.	663/2010	Date of Commencement	26-Aug-10
Village	Kakola	GPS Coordinates (Arc1960):		Date of Completion	31-Aug-10
Ward	Kakola	X	Y	Contractor	DDCA
District/Municipality	Tabora Urban	36M0482083	9462843	Rig	Shlum Drille kanza



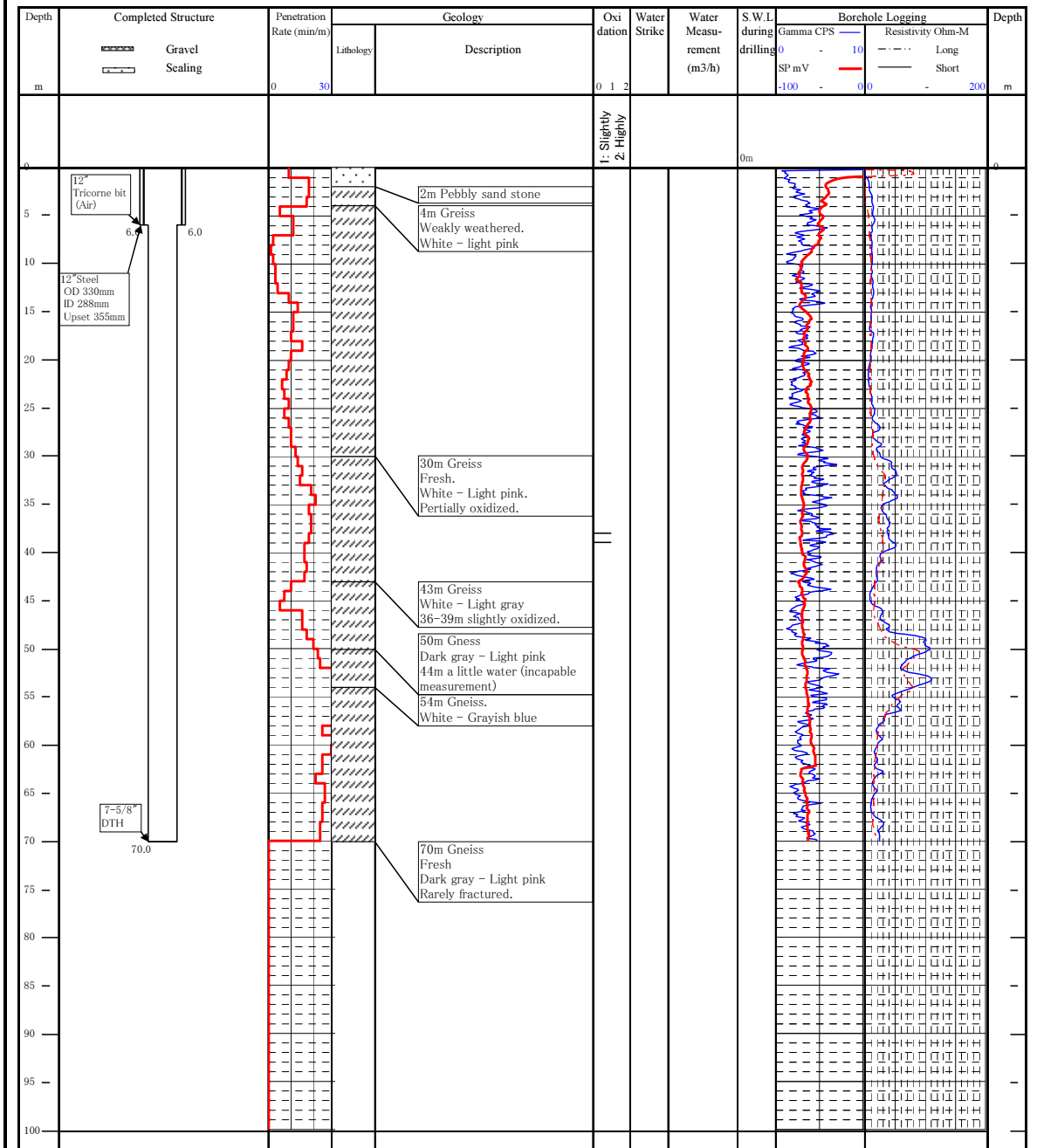
E. 13 タボラ市カコラ村 BH1 掘削柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト JICA

Drilling No.	IG-007BH1	Registration No.	675/2010	Date of Commencement	24-Sep-10
Village	Igumo	GPS Coordinates (Arc1960):		Date of Completion	28-Sep-10
Ward	Chabutwa	X	Y	Contractor	DDCA
District/Municipality	Igunga	36M0551014	9495593	Rig	Shlum Drille kanza



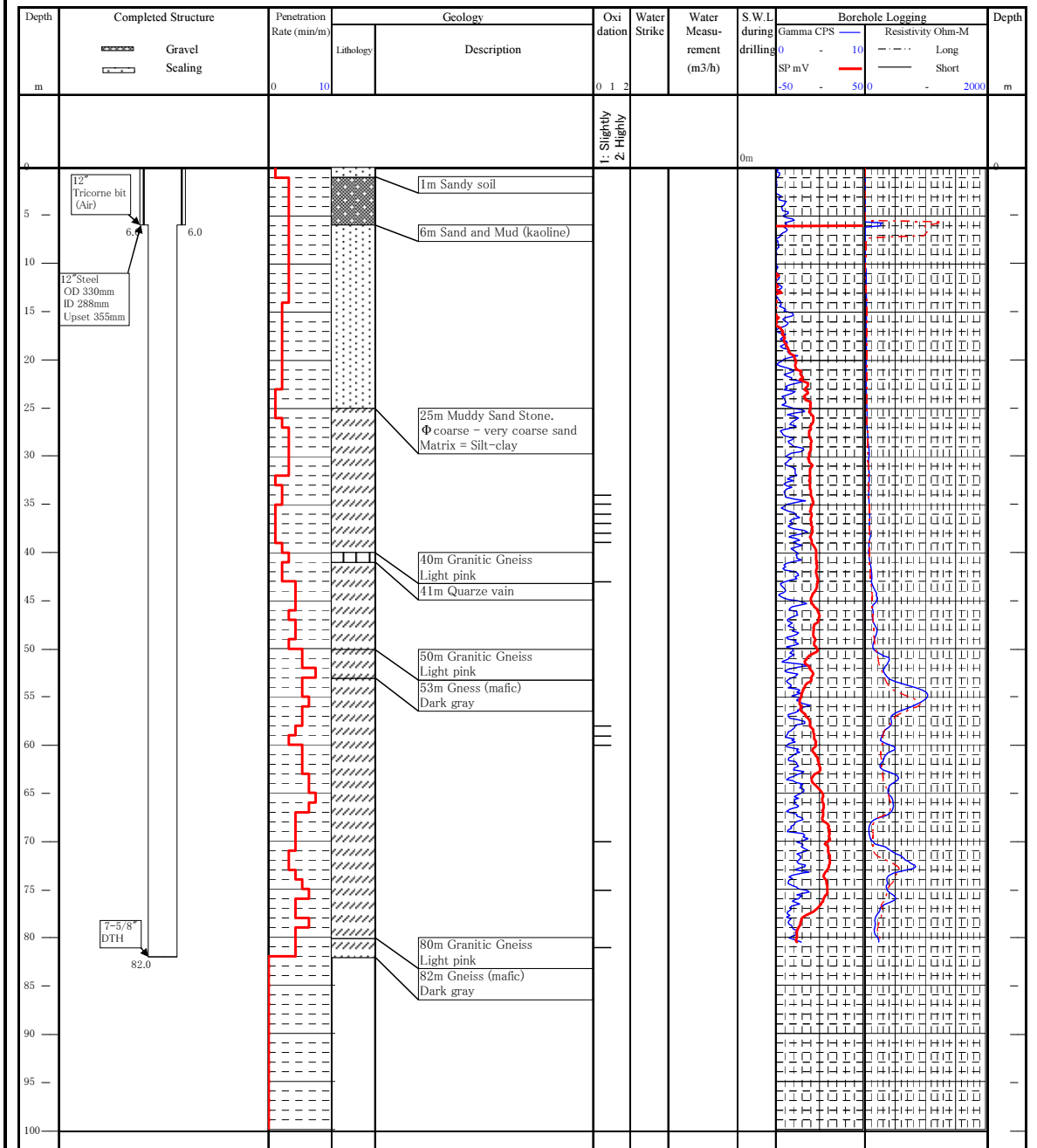
E. 14 イグンガ県イグモ村掘削柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト JICA

Drilling No.	IG-012BH1	Registration No.		Date of Commencement	29-Sep-10
Village	Buhekela	GPS Coordinates (Arc1960):		Date of Completion	6-Oct-10
Ward	Igoweko	X	Y	Contractor	DDCA
District/Municipality	Igunga	36M0578471	9472418	Rig	Shlum
				Drille	kanza



E. 15 イグンガ県ブヘケラ村掘削柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト JICA

Drilling No.	IG-033BH1	Registration No.		Date of Commencement	29-Sep-10
Village	Kagongwa	GPS Coordinates (Arc1960):		Date of Completion	1-Oct-10
Ward	Itunduru	X	Y	Contractor	DDCA
District/Municipality	Igunga	36M0573228	9553481	Rig	Sankyo
				Driller	Tito

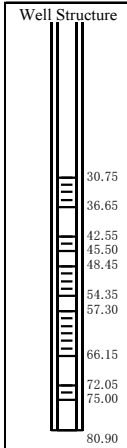


E. 16 イグンガ県カゴングワ村掘削柱状図
 タボラ州地方給水・衛生計画策定支援プロジェクト **JICA**

BH No. NZ-047BH1
 Borehole No. 672/2010

Village Isanga
 Ward Lusu
 District/Municipality Nzega

Date of Submission 28-Oct-08
 Contractor DDCA

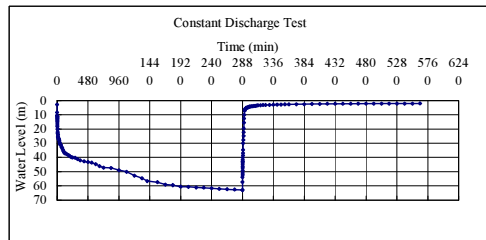


Drilling Results

Completion Date:	27-Sep-10
Static Water Level (m)	19.00
Blown Yield (L/min)	
Casing Bottom (m)	80.9
Screen Position (m-m)	30.75-36.65, 42.55-45.5, 48.45-54.35, 57.3-66.15, 72.05-75

Constant Discharge Rate Pumping Test

Date:	17-Oct-10 - 19-Oct-10
Static Water Level (m)	2.82
Duration (min)	2880
Q	3.70 m ³ /h 61.67 L/min
D.W.L (m)	63.55
D.W.L after 12 hr (m)	47.15
Specific Capacity after 12hr (m ³ /h)	0.08
s (m)	60.73
Recovered D.W.L After 1hr(m)	5.15

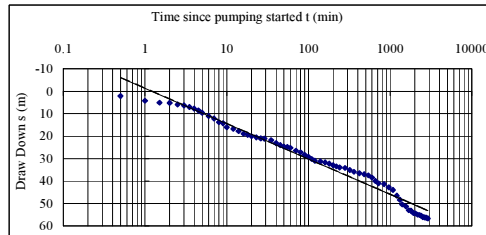
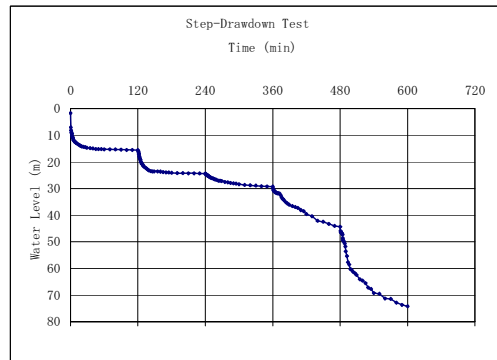


Step-Drawdown Test
 Date: 17-Oct-10 - 17-Oct-10
 Static Water Level (m) : 1.74 m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1	120	2.50	41.67	15.60	13.86	0.18
2	120	3.00	50	24.40	22.66	0.13
3	120	3.50	58.33	29.27	27.53	0.13
4	120	4.00	66.67	44.36	42.62	0.09
5	120	4.50	75	74.20	72.46	0.06

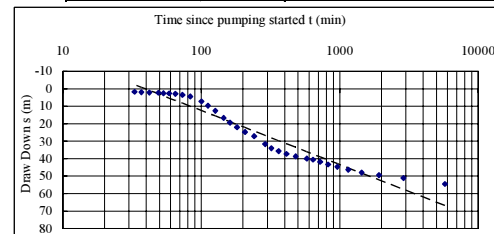
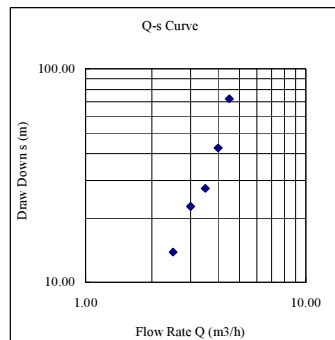
Analysis Results of Constant Discharge Rate Pumping Test

Q	3.7 m ³ /h	61.67 L/min	
ds1 (m)	14.417606	dt1 (min)	10
ds2 (m)	30.160289	dt2 (min)	100
ds (m)	15.742683		
Screen Pipe Length (m)	26.55		
T (L/min/m)	0.71	=0.183Q/ds	
T (m ³ /s/m)	1.195E-05		
K (m/min)	0.03	=T/(Screen Length)	
K (m/s)	4.500E-07		



Analysis Results of Recovery Test

Q	3.7 m ³ /h	61.67 L/min	
ds'1 (m)	12.405501	dt'/t1	100
ds'2 (m)	43.288354	dt'/t2	1000
ds (m)	30.882853		
Screen Pipe Length (m)	26.55		
T (L/min/m)	0.36	=0.183Q/ds	
T (m ³ /s/m)	6.091E-06		
K (m/min)	0.01	=T/(Screen Length)	
K (m/s)	2.294E-07		



Observation

E. 17 Nzeга州イサンガ村 BH1 揚水試験結果

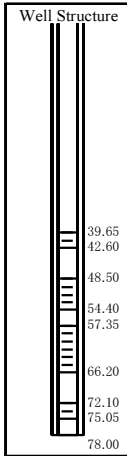
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. NZ-047BH2
 Borehole No. 673/2010

Village Isanga
 Ward Lusu
 District/Municipality Nzega

Date of Submission 28-Oct-08
 Contractor DDCA

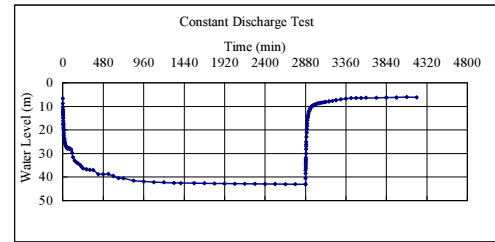


Drilling Results

Completion Date:	28-Sep-10
Static Water Level (m)	9.20
Blown Yield (L/min)	
Casing Bottom (m)	78
Screen Position (m-m)	39.65-42.6, 48.5-54.4, 57.35-66.2, 72.1-75.05

Constant Discharge Rate Pumping Test

Date:	20-Oct-10 - 22-Oct-10
Static Water Level (m)	6.64
Duration (min)	2880
Q	3.00 m ³ /h 50 L/min
D.W.L (m)	42.98
D.W.L after 12 hr (m)	40.50
Specific Capacity after 12hr (m ³ /h)	0.09
s (m)	36.34
Recovered D.W.L After 1hr(m)	10.60

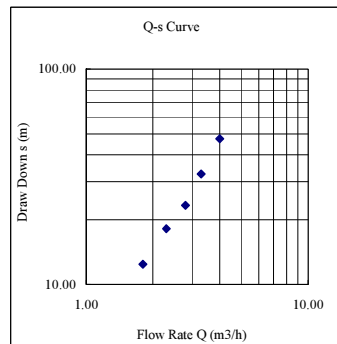
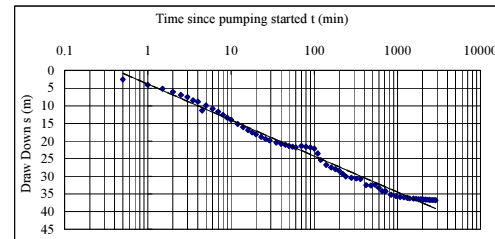
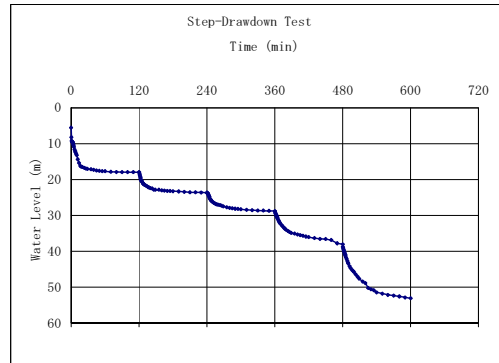


Step-Drawdown Test
 Date: 20-Oct-10 - 20-Oct-10
 Static Water Level (m) : 5.52 m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1	120	1.80	30	17.96	12.44	0.14
2	120	2.30	38.33	23.70	18.18	0.13
3	120	2.80	46.67	28.81	23.29	0.12
4	120	3.30	55	38.11	32.59	0.10
5	120	4.00	66.67	53.09	47.57	0.08

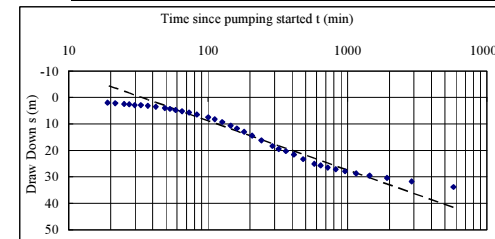
Analysis Results of Constant Discharge Rate Pumping Test

Q	3 m ³ /h	50 L/min	
ds1 (m)	14.084289	dt1 (min)	10
ds2 (m)	24.288461	dt2 (min)	100
ds (m)	10.204172		
Screen Pipe Length (m)	20.65		
T (L/min/m)	0.89	=0.183Q/ds	
T (m ³ /s/m)	1.494E-05		
K (m/min)	0.04	=T/(Screen Length)	
K (m/s)	7.237E-07		



Analysis Results of Recovery Test

Q	3 m ³ /h	50 L/min	
ds'1 (m)	8.7896329	dt/t'1	100
ds'2 (m)	27.384651	dt/t'2	1000
ds (m)	18.595018		
Screen Pipe Length (m)	20.65		
T (L/min/m)	0.49	=0.183Q/ds	
T (m ³ /s/m)	8.201E-06		
K (m/min)	0.02	=T/(Screen Length)	
K (m/s)	3.971E-07		



Observation

E. 18 ンゼガ県イサンガ村 BH2 揚水試験結果

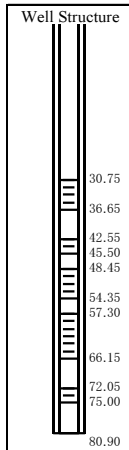
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. NZ-047BH1
 Borehole No. 672/2010

Village Isanga
 Ward Lusu
 District/Municipality Nzega

Date of Submission 28-Oct-08
 Contractor DDCA

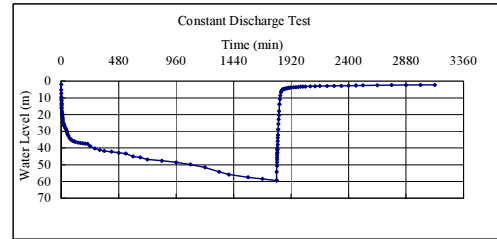


Drilling Results

Completion Date:	27-Sep-10
Static Water Level (m)	19.00
Blown Yield (L/min)	
Casing Bottom (m)	80.9
Screen Position (m-m)	30.75-36.65, 42.55-45.5, 48.45-54.35, 57.3-66.15, 72.05-75

Constant Discharge Rate Pumping Test

Date:	24-Oct-10 - 24-Oct-10
Static Water Level (m)	1.90
Duration (min)	1800
Q	3.70 m ³ /h 61.67 L/min
D.W.L (m)	59.37
D.W.L after 12 hr (m)	0.00
Specific Capacity after 12hr (m ³ /h)	-1.95
s (m)	57.47
Recovered D.W.L After 1hr(m)	4.69



Step-Drawdown Test

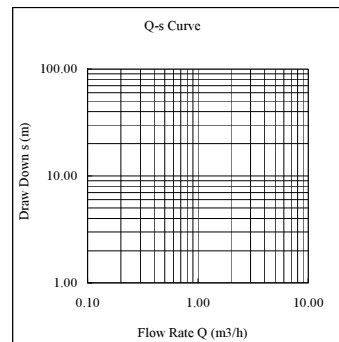
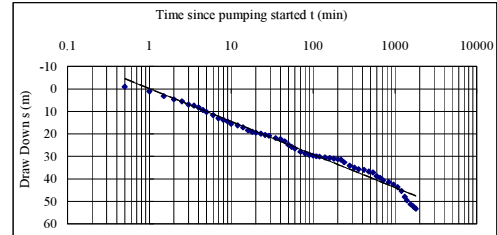
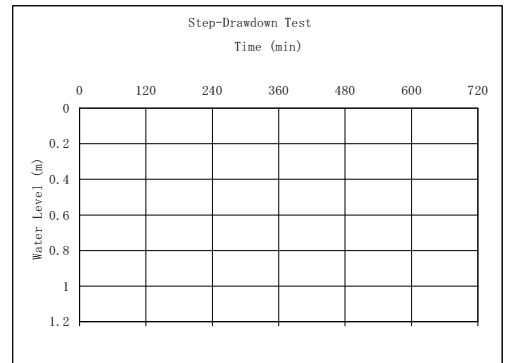
Date: -

Static Water Level (m) : m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1						
2						
3						
4						
5						

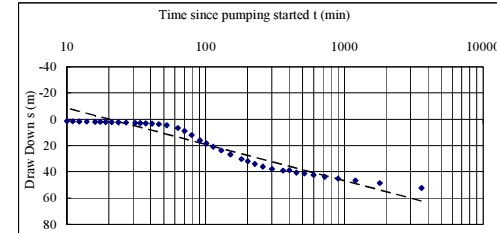
Analysis Results of Constant Discharge Rate Pumping Test

Q	3.7 m ³ /h	61.67 L/min	
ds1 (m)	14.502057	dt1 (min)	10
ds2 (m)	29.147063	dt2 (min)	100
ds (m)	14.645006		
Screen Pipe Length (m)	26.55		
T (L/min/m)	0.77	=0.183Q/ds	
T (m ³ /s/m)	1.284E-05		
K (m/min)	0.03	=T/(Screen Length)	
K (m/s)	4.837E-07		



Analysis Results of Recovery Test

Q	3.7 m ³ /h	61.67 L/min	
ds'1 (m)	19.183789	dt/t'1	100
ds'2 (m)	46.835943	dt/t'2	1000
ds (m)	27.652154		
Screen Pipe Length (m)	26.55		
T (L/min/m)	0.4	=0.183Q/ds	
T (m ³ /s/m)	6.802E-06		
K (m/min)	0.02	=T/(Screen Length)	
K (m/s)	2.562E-07		



Observation
 Simultaneous pumping test with [NZ-047BH2]

E. 19 インゼガ県イサンガ村 BH1/BH2 同時揚水試験における BH1 試験結果

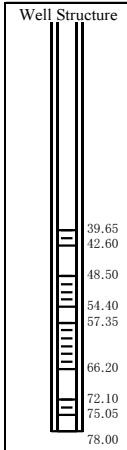
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. NZ-047BH2
 Borehole No. 672/2010

Village Isanga
 Ward Lusu
 District/Municipality Nzega

Date of Submission 0-Jan-00
 Contractor DDCA

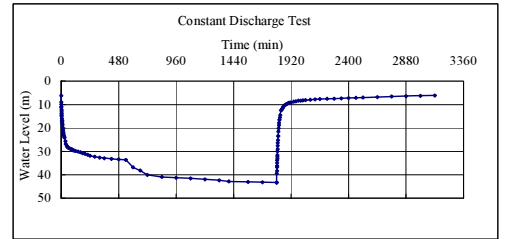


Drilling Results

Completion Date:	28-Sep-10
Static Water Level (m)	9.20
Blown Yield (L/min)	
Casing Bottom (m)	78
Screen Position (m-m)	39.65-42.6, 48.5-54.4, 57.35-66.2, 72.1-75.05

Constant Discharge Rate Pumping Test

Date:	24-Oct-10	-	24-Oct-10
Static Water Level (m)	6.17		
Duration (min)	1800		
Q	3.00 m ³ /h	50	L/min
D.W.L (m)	43.29		
D.W.L after 12 hr (m)	0.00		
Specific Capacity after 12hr (m ³ /h)	-0.49		
s (m)	37.12		
Recovered D.W.L After 1hr(m)	10.58		



Step-Drawdown Test

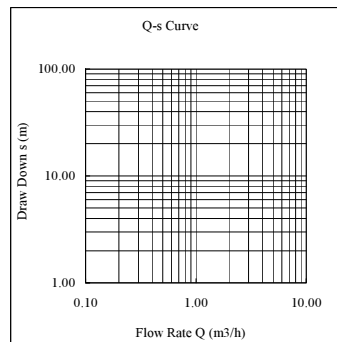
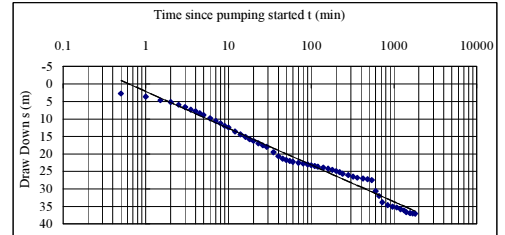
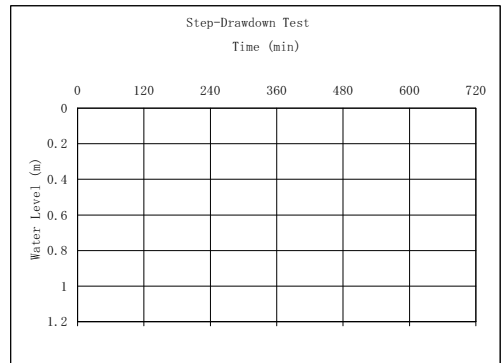
Date: -

Static Water Level (m) : m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1						
2						
3						
4						
5						

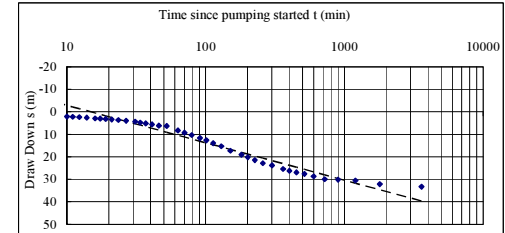
Analysis Results of Constant Discharge Rate Pumping Test

Q	3 m ³ /h	50	L/min
ds1 (m)	12.671773	dt1 (min)	10
ds2 (m)	23.161032	dt2 (min)	100
ds (m)	10.489259		
Screen Pipe Length (m)	20.65		
T (L/min/m)	0.87	=0.183Q/ds	
T (m ³ /s/m)	1.454E-05		
K (m/min)	0.04	=T/(Screen Length)	
K (m/s)	7.041E-07		



Analysis Results of Recovery Test

Q	3 m ³ /h	50	L/min
ds'1 (m)	13.800781	dt'/t'1	100
ds'2 (m)	30.420545	dt'/t'2	1000
ds (m)	16.619764		
Screen Pipe Length (m)	20.65		
T (L/min/m)	0.55	=0.183Q/ds	
T (m ³ /s/m)	9.176E-06		
K (m/min)	0.03	=T/(Screen Length)	
K (m/s)	4.443E-07		



Observation
 Simultaneous pumping test with [NZ-047BH1]

E. 20 **ンゼガ県イサンガ村 BH1/BH2 同時揚水試験における BH2 試験結果**

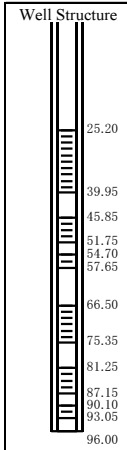
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. SK-028BH1
 Borehole No. 670/2010

Village Usunga
 Ward Kipanga
 District/Municipality Sikonge

Date of Submission 28-Oct-08
 Contractor DDCA

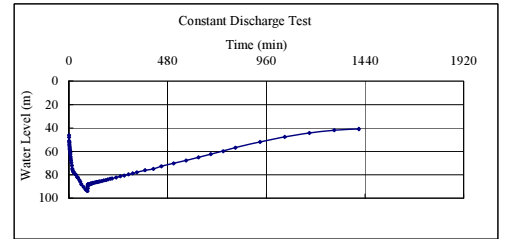


Drilling Results

Completion Date:	17-Sep-10
Static Water Level (m)	28.00
Blown Yield (L/min)	
Casing Bottom (m)	96
Screen Position (m-m)	25.2-39.95, 45.85-51.75, 54.7-57.65, 66.5-75.35, 81.25-87.15, 90.1-93.05

Constant Discharge Rate Pumping Test

Date:	12-Oct-10 - 12-Oct-10
Static Water Level (m)	46.20
Duration (min)	90
Q	0.30 m ³ /h 5 L/min
D.W.L (m)	93.90
D.W.L after 12 hr (m)	0.00
Specific Capacity after 12hr (m ³ /h)	0.00
s (m)	47.70
Recovered D.W.L After 1hr(m)	85.69



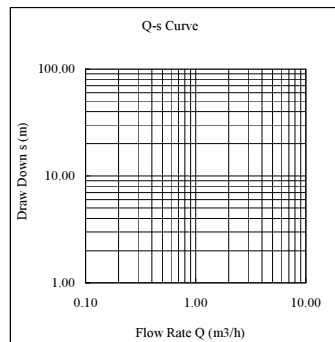
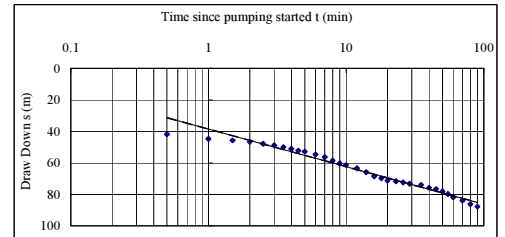
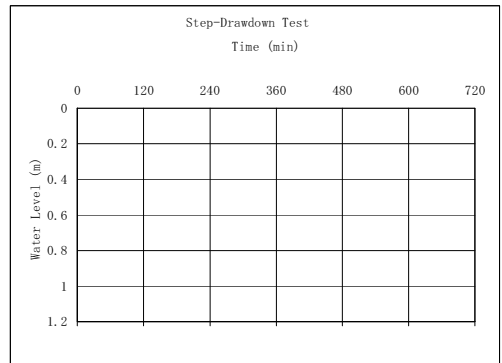
Step-Drawdown Test

Date: -

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1						
2						
3						
4						
5						

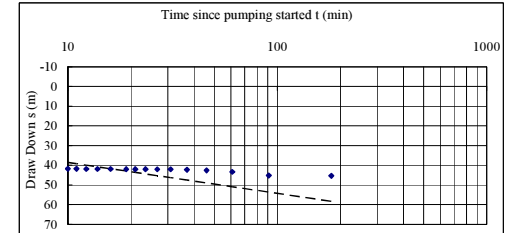
Analysis Results of Constant Discharge Rate Pumping Test

Q	0.3 m ³ /h	5 L/min	
ds1 (m)	62.315342	dt1 (min)	10
ds2 (m)	86.16895	dt2 (min)	100
ds (m)	23.853608		
Screen Pipe Length (m)	41.30		
T (L/min/m)	0.03	=0.183Q/ds	
T (m ³ /s/m)	6.393E-07		
K (m/min)	0	=T/(Screen Length)	
K (m/s)	1.548E-08		



Analysis Results of Recovery Test

Q	0.3 m ³ /h	5 L/min	
ds'1 (m)	54.311758	dt'/t'1	100
ds'2 (m)	70.025448	dt'/t'2	1000
ds (m)	15.713691		
Screen Pipe Length (m)	41.30		
T (L/min/m)	0.05	=0.183Q/ds	
T (m ³ /s/m)	9.705E-07		
K (m/min)	0	=T/(Screen Length)	
K (m/s)	2.350E-08		



Observation

E. 21 シコンゲ県ウスンガ村 BH1 揚水試験結果

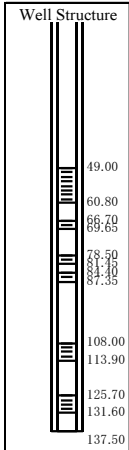
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. SK-028BH2
 Borehole No. 671/2010

Village Usunga
 Ward Kipanga
 District/Municipality Sikonge

Date of Submission 28-Oct-08
 Contractor DDCA

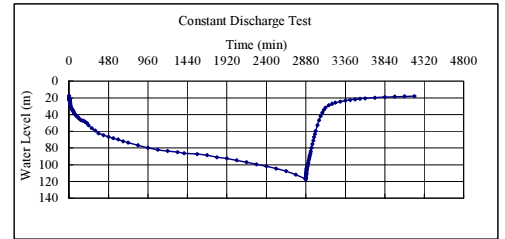


Drilling Results

Completion Date:	22-Sep-10
Static Water Level (m)	15.00
Blown Yield (L/min)	
Casing Bottom (m)	137.5
Screen Position (m-m)	49-60.8, 66.7-69.65, 78.5-81.45, 84.4-87.35, 108-113.9, 125.7-131.6

Constant Discharge Rate Pumping Test

Date:	28-Sep-10 - 30-Sep-10
Static Water Level (m)	17.24
Duration (min)	2880
Q	0.80 m ³ /h 13.33 L/min
D.W.L (m)	117.29
D.W.L after 12 hr (m)	73.72
Specific Capacity after 12hr (m ³ /h)	0.01
s (m)	100.05
Recovered D.W.L After 1hr(m)	84.08

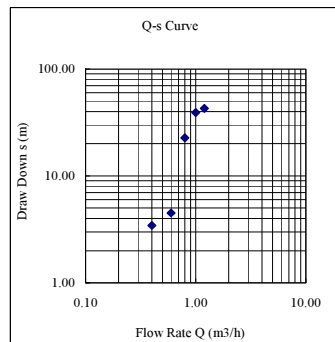
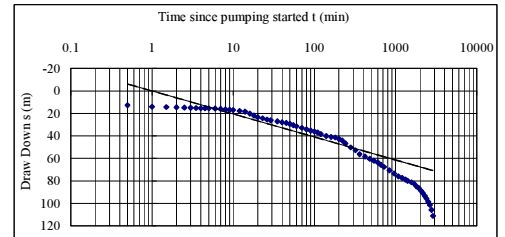
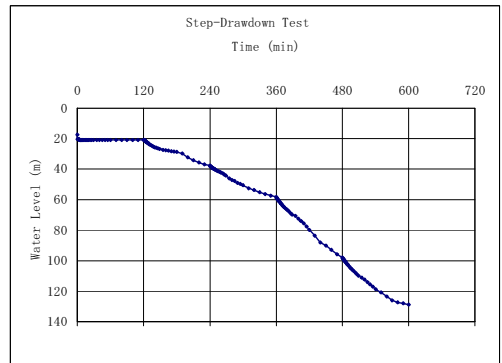


Step-Drawdown Test
 Date: 27-Oct-10 - 27-Oct-10
 Static Water Level (m) : 17.39 m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1	120	0.40	6.67	20.83	3.44	0.12
2	120	0.60	10	21.89	4.50	0.13
3	120	0.80	13.33	40.08	22.69	0.04
4	120	1.00	16.67	56.53	39.14	0.03
5	120	1.20	20	60.23	42.84	0.03

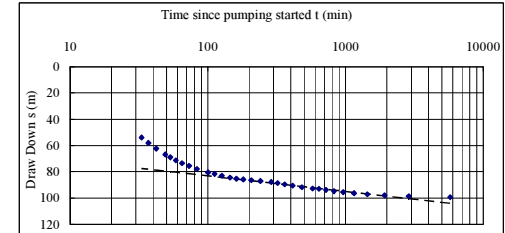
Analysis Results of Constant Discharge Rate Pumping Test

Q	0.8 m ³ /h	13.33 L/min	
ds1 (m)	20.471018	dt1 (min)	10
ds2 (m)	40.921287	dt2 (min)	100
ds (m)	20.450269		
Screen Pipe Length (m)	32.45		
T (L/min/m)	0.11	=0.183Q/ds	
T (m ³ /s/m)	1.988E-06		
K (m/min)	0	=T/(Screen Length)	
K (m/s)	6.127E-08		



Analysis Results of Recovery Test

Q	0.8 m ³ /h	13.33 L/min	
ds'1 (m)	83.144471	dt'/t'1	100
ds'2 (m)	94.987042	dt'/t'2	1000
ds (m)	11.842572		
Screen Pipe Length (m)	32.45		
T (L/min/m)	0.2	=0.183Q/ds	
T (m ³ /s/m)	3.433E-06		
K (m/min)	0.01	=T/(Screen Length)	
K (m/s)	1.058E-07		



Observation

E. 22 シコンゲ県ウスンガ村 BH2 揚水試験結果

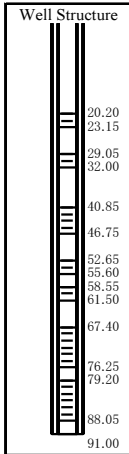
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. SK-037BH2
 Borehole No. 669/2010

Village Mpombwe
 Ward Pangale
 District/Municipality Sikonge

Date of Submission 28-Oct-08
 Contractor DDCA

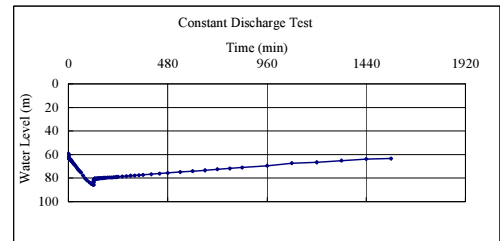


Drilling Results

Completion Date:	13-Sep-10
Static Water Level (m)	40.00
Blown Yield (L/min)	
Casing Bottom (m)	91
Screen Position (m-m)	20.2-23.15, 29.05-32, 40.85-46.75, 52.65-55.6, 58.55-61.5, 67.4-76.25, 79.2-88.05

Constant Discharge Rate Pumping Test

Date:	15-Oct-10 - 15-Oct-10
Static Water Level (m)	59.21
Duration (min)	120
Q	0.30 m ³ /h 5 L/min
D.W.L (m)	85.95
D.W.L after 12 hr (m)	0.00
Specific Capacity after 12hr (m ³ /h)	0.00
s (m)	26.74
Recovered D.W.L After 1hr(m)	79.80



Step-Drawdown Test

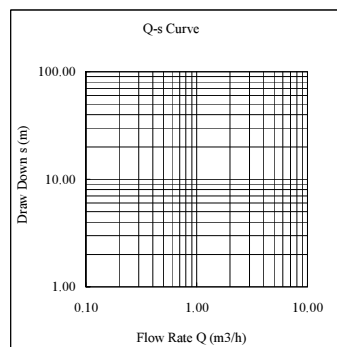
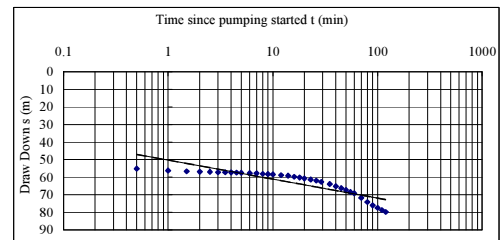
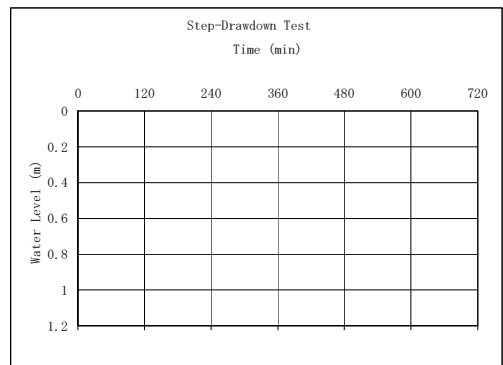
Date: -

Static Water Level (m) : m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1						
2						
3						
4						
5						

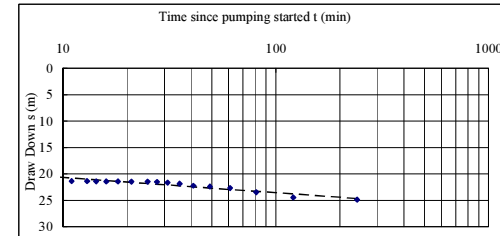
Analysis Results of Constant Discharge Rate Pumping Test

Q	0.3 m ³ /h	5 L/min	
ds1 (m)	61.07419	dt1 (min)	10
ds2 (m)	71.874752	dt2 (min)	100
ds (m)	10.800562		
Screen Pipe Length (m)	35.40		
T (L/min/m)	0.08	=0.183Q/ds	
T (m ³ /s/m)	1.412E-06		
K (m/min)	0	=T/(Screen Length)	
K (m/s)	3.989E-08		



Analysis Results of Recovery Test

Q	0.3 m ³ /h	5 L/min	
ds'1 (m)	23.55044	dt/t'1	100
ds'2 (m)	26.432572	dt/t'2	1000
ds (m)	2.8821324		
Screen Pipe Length (m)	35.40		
T (L/min/m)	0.31	=0.183Q/ds	
T (m ³ /s/m)	5.291E-06		
K (m/min)	0.01	=T/(Screen Length)	
K (m/s)	1.495E-07		



Observation

E. 23 シコンゲ県ムポンプエ村 BH2 揚水試験結果

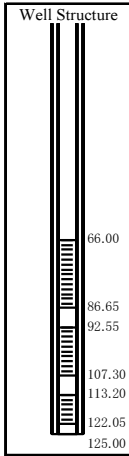
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. TR-054BH2
 Borehole No. 662/2010

Village Mpumbuli
 Ward Kizengi
 District/Municipality Tabora Rural

Date of Submission 28-Oct-08
 Contractor DDCA

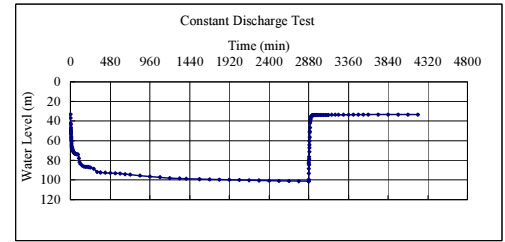


Drilling Results

Completion Date:	19-Aug-10
Static Water Level (m)	28.00
Blown Yield (L/min)	
Casing Bottom (m)	125
Screen Position (m-m)	66.00-86.65, 92.55-107.30, 113.20-122.05

Constant Discharge Rate Pumping Test

Date:	7-Oct-10 - 13-Oct-10
Static Water Level (m)	33.09
Duration (min)	2880
Q	9.00 m ³ /h 150 L/min
D.W.L (m)	101.38
D.W.L after 12 hr (m)	94.60
Specific Capacity after 12hr (m ³ /h)	0.15
s (m)	68.29
Recovered D.W.L After 1hr(m)	33.96



Step-Drawdown Test

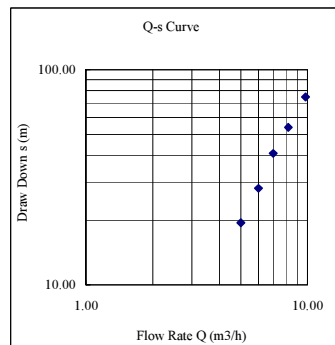
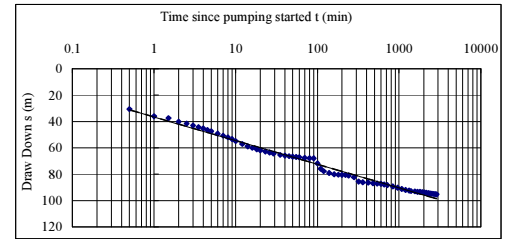
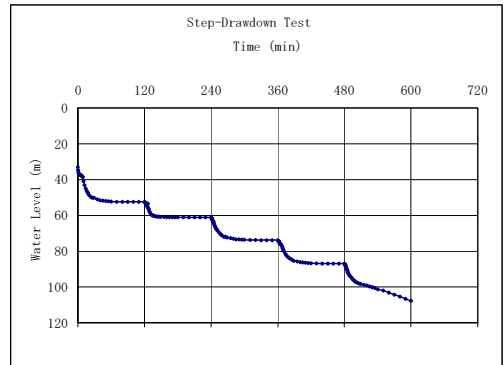
Date: 6-Oct-10 - 7-Oct-10

Static Water Level (m) : 33.04 m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1	120	5.00	83.33	52.46	19.42	0.26
2	120	6.00	100	61.10	28.06	0.21
3	120	7.00	116.67	73.82	40.78	0.17
4	120	8.20	136.67	86.95	53.91	0.15
5	120	9.80	163.33	107.69	74.65	0.13

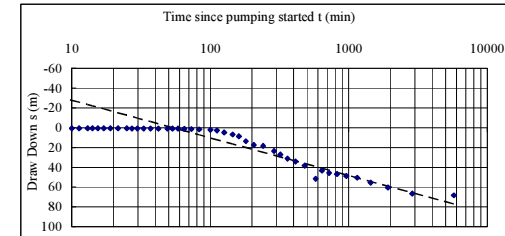
Analysis Results of Constant Discharge Rate Pumping Test

Q	9 m ³ /h	150 L/min	
ds1 (m)	54.546424	dt1 (min)	10
ds2 (m)	72.452591	dt2 (min)	100
ds (m)	17.906167		
Screen Pipe Length (m)	44.25		
T (L/min/m)	1.53	=0.183Q/ds	
T (m ³ /s/m)	2.555E-05		
K (m/min)	0.03	=T/(Screen Length)	
K (m/s)	5.774E-07		



Analysis Results of Recovery Test

Q	9 m ³ /h	150 L/min	
ds'1 (m)	10.220049	dt/t'1	100
ds'2 (m)	48.237213	dt/t'2	1000
ds (m)	38.017165		
Screen Pipe Length (m)	44.25		
T (L/min/m)	0.72	=0.183Q/ds	
T (m ³ /s/m)	1.203E-05		
K (m/min)	0.02	=T/(Screen Length)	
K (m/s)	2.720E-07		



Observation

E. 24 タボラ・ルーラル県ムンブプリ村 BH2 揚水試験結果

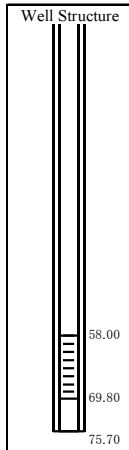
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. TR-069BH1
 Borehole No. 664/2010

Village Mabama
 Ward Mabama
 District/Municipality Tabora Rural

Date of Submission 29-Oct-08
 Contractor DDCA

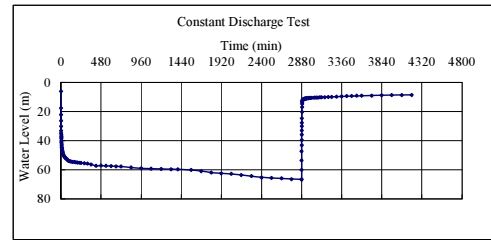


Drilling Results

Completion Date:	9-Sep-10
Static Water Level (m)	5.00
Blown Yield (L/min)	
Casing Bottom (m)	75.7
Screen Position (m-m)	58.0-69.8

Constant Discharge Rate Pumping Test

Date:	23-Sep-10 - 25-Sep-10
Static Water Level (m)	6.21
Duration (min)	2880
Q	14.00 m ³ /h 233.33 L/min
D.W.L (m)	66.69
D.W.L after 12 hr (m)	57.78
Specific Capacity after 12hr (m ³ /h)	0.27
s (m)	60.48
Recovered D.W.L After 1hr(m)	11.01

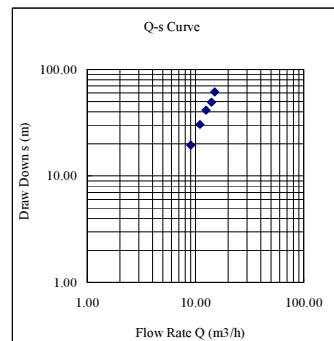
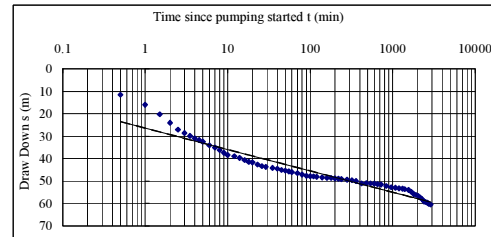
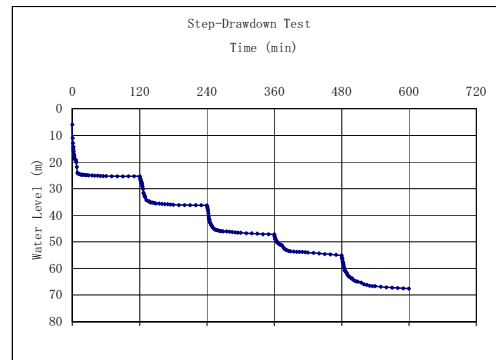


Step-Drawdown Test
 Date: 22-Sep-10 - 23-Sep-10
 Static Water Level (m) : 5.93 m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1	120	9.00	150	25.38	19.45	0.46
2	120	11.00	183.33	36.30	30.37	0.36
3	120	12.50	208.33	47.21	41.28	0.30
4	120	14.00	233.33	55.12	49.19	0.28
5	120	15.00	250	67.53	61.60	0.24

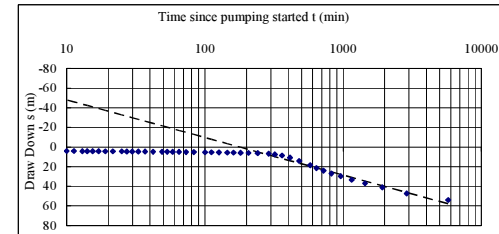
Analysis Results of Constant Discharge Rate Pumping Test

Q	14 m ³ /h	233.33 L/min	
ds1 (m)	35.930353	dt1 (min)	10
ds2 (m)	45.453775	dt2 (min)	100
ds (m)	9.5234216		
Screen Pipe Length (m)	11.80		
T (L/min/m)	4.48	=0.183Q/ds	
T (m ³ /s/m)	7.473E-05		
K (m/min)	0.38	=T/(Screen Length)	
K (m/s)	6.333E-06		



Analysis Results of Recovery Test

Q	14 m ³ /h	233.33 L/min	
ds'1 (m)	-9.736131	dt'/t'1	100
ds'2 (m)	28.630767	dt'/t'2	1000
ds (m)	38.366898		
Screen Pipe Length (m)	11.80		
T (L/min/m)	1.11	=0.183Q/ds	
T (m ³ /s/m)	1.855E-05		
K (m/min)	0.09	=T/(Screen Length)	
K (m/s)	1.572E-06		



Observation

E. 25 タボラ・ルーラル県マバマ村 BH1 揚水試験結果

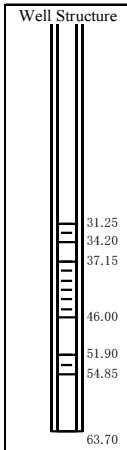
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. TR-069BH2
 Borehole No. 665/2010

Village Mabama
 Ward Mabama
 District/Municipality Tabora Rural

Date of Submission 28-Oct-08
 Contractor DDCA

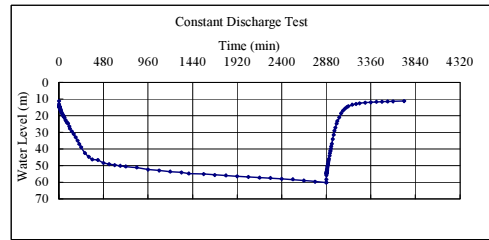


Drilling Results

Completion Date:	13-Sep-10
Static Water Level (m)	10.60
Blown Yield (L/min)	
Casing Bottom (m)	63.7
Screen Position (m-m)	31.25-34.2, 37.15-46, 51.9-54.85

Constant Discharge Rate Pumping Test

Date:	16-Oct-10 - 16-Oct-10
Static Water Level (m)	11.20
Duration (min)	2880
Q	0.80 m ³ /h 13.33 L/min
D.W.L (m)	60.20
D.W.L after 12 hr (m)	50.53
Specific Capacity after 12hr (m ³ /h)	0.02
s (m)	49.00
Recovered D.W.L After 1hr(m)	16.61

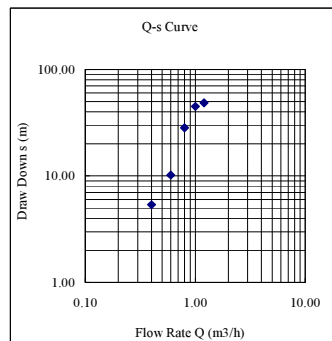
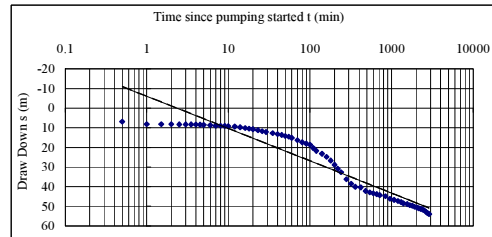
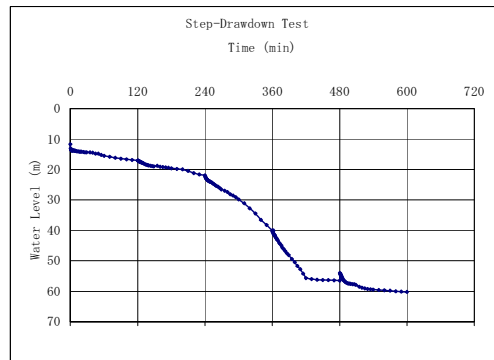


Step-Drawdown Test
 Date: 14-Oct-10 - 15-Oct-10
 Static Water Level (m) : 11.68 m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1	120	0.40	6.67	17.04	5.36	0.07
2	120	0.60	10	21.89	10.21	0.06
3	120	0.80	13.33	40.08	28.40	0.03
4	120	1.00	16.67	56.53	44.85	0.02
5	120	1.20	20	60.23	48.55	0.02

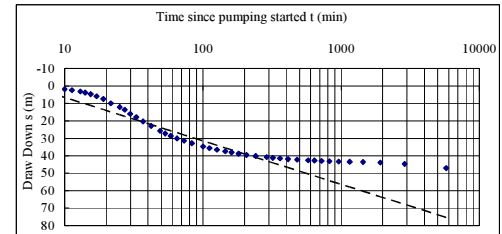
Analysis Results of Constant Discharge Rate Pumping Test

Q	0.8 m ³ /h	13.33 L/min	
ds1 (m)	10.37357	dt1 (min)	10
ds2 (m)	26.826901	dt2 (min)	100
ds (m)	16.453331		
Screen Pipe Length (m)	14.75		
T (L/min/m)	0.14	=0.183Q/ds	
T (m ³ /s/m)	2.471E-06		
K (m/min)	0.01	=T/(Screen Length)	
K (m/s)	1.675E-07		



Analysis Results of Recovery Test

Q	0.8 m ³ /h	13.33 L/min	
ds'1 (m)	31.442544	dt'/t'1	100
ds'2 (m)	56.369633	dt'/t'2	1000
ds (m)	24.927089		
Screen Pipe Length (m)	14.75		
T (L/min/m)	0.09	=0.183Q/ds	
T (m ³ /s/m)	1.631E-06		
K (m/min)	0.01	=T/(Screen Length)	
K (m/s)	1.106E-07		



Observation

E. 26 タボラ・ルーラル県マバマ村 BH2 揚水試験結果

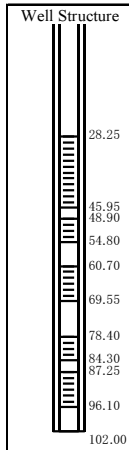
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. TU-008BH1
 Borehole No. 663/2010

Village Kakola
 Ward Kakola
 District/Municipality Tabora Urban

Date of Submission 28-Oct-08
 Contractor DDCA

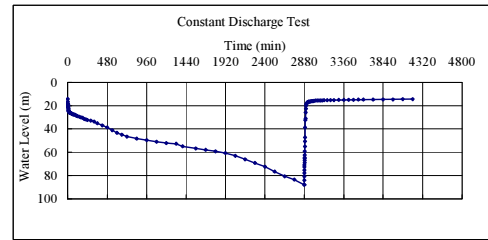


Drilling Results

Completion Date:	31-Aug-10
Static Water Level (m)	14.50
Blown Yield (L/min)	
Casing Bottom (m)	102
Screen Position (m-m)	28.25-45.95, 48.90-54.80, 60.70-69.55, 78.40-84.30, 87.25-96.10

Constant Discharge Rate Pumping Test

Date:	3-Oct-10 - 5-Oct-10
Static Water Level (m)	14.35
Duration (min)	2880
Q	6.00 m ³ /h 100 L/min
D.W.L (m)	87.87
D.W.L after 12 hr (m)	46.58
Specific Capacity after 12hr (m ³ /h)	0.19
s (m)	73.52
Recovered D.W.L After 1hr(m)	16.61

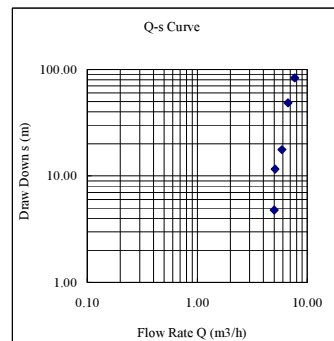
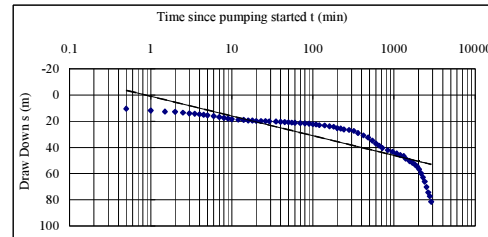
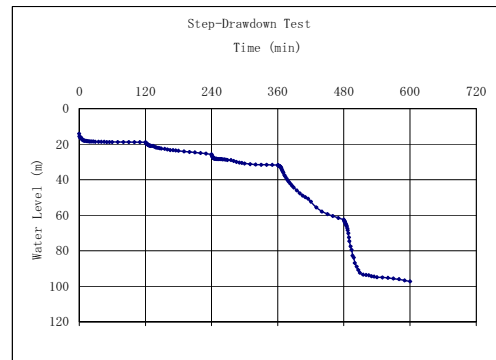


Step-Drawdown Test
 Date: 2-Oct-10 - 2-Oct-10
 Static Water Level (m) : 14.06 m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1	120	5.00	83.33	18.84	4.78	1.05
2	120	5.10	85	25.64	11.58	0.44
3	120	5.90	98.33	31.70	17.64	0.33
4	120	6.70	111.67	62.54	48.48	0.14
5	120	7.70	128.33	97.28	83.22	0.09

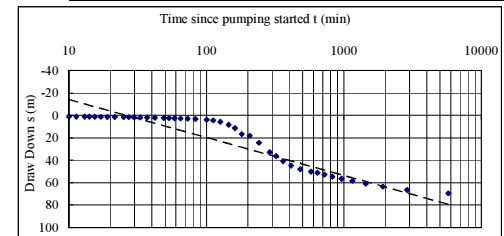
Analysis Results of Constant Discharge Rate Pumping Test

Q	6 m ³ /h	100 L/min	
ds1 (m)	15.945614	dt1 (min)	10
ds2 (m)	31.005345	dt2 (min)	100
ds (m)	15.059731		
Screen Pipe Length (m)	47.20		
T (L/min/m)	1.21	=0.183Q/ds	
T (m ³ /s/m)	2.025E-05		
K (m/min)	0.03	=T/(Screen Length)	
K (m/s)	4.291E-07		



Analysis Results of Recovery Test

Q	6 m ³ /h	100 L/min	
ds'1 (m)	19.737217	dt'/t'1	100
ds'2 (m)	53.603489	dt'/t'2	1000
ds (m)	33.866271		
Screen Pipe Length (m)	47.20		
T (L/min/m)	0.54	=0.183Q/ds	
T (m ³ /s/m)	9.006E-06		
K (m/min)	0.01	=T/(Screen Length)	
K (m/s)	1.908E-07		



Observation

E. 27 タボラ市カコラ村 BH1 揚水試験結果

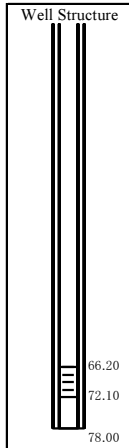
タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

BH No. IG-007BH1
 Borehole No. 675/2010

Village Igumo
 Ward Chabutwa
 District/Municipality Igunga

Date of Submission 28-Oct-08
 Contractor DDCA

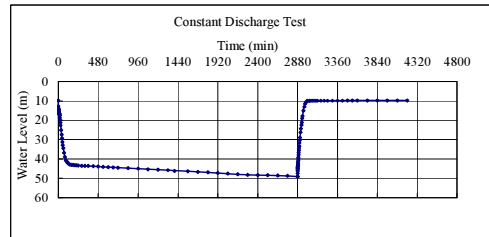


Drilling Results

Completion Date:	28-Sep-10
Static Water Level (m)	3.00
Blown Yield (L/min)	
Casing Bottom (m)	78
Screen Position (m-m)	66.2-72.1

Constant Discharge Rate Pumping Test

Date:	27-Oct-10 - 27-Oct-10
Static Water Level (m)	9.82
Duration (min)	2880
Q	1.00 m ³ /h 16.67 L/min
D.W.L (m)	49.03
D.W.L after 12 hr (m)	44.51
Specific Capacity after 12hr (m ³ /h)	0.03
s (m)	39.21
Recovered D.W.L After 1hr(m)	17.76

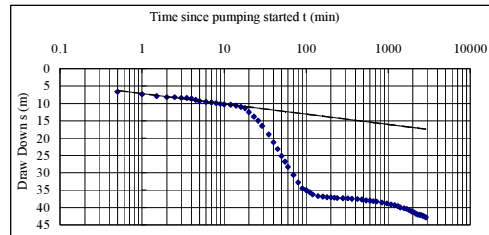
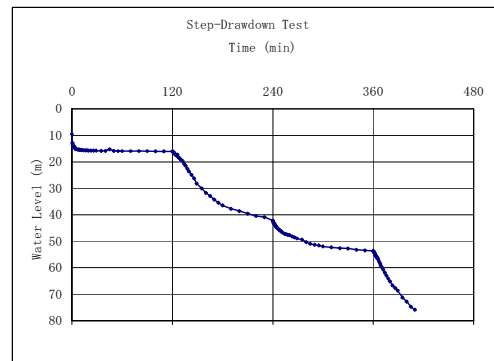


Step-Drawdown Test
 Date: 27-Oct-10 - 27-Oct-10
 Static Water Level (m): 9.61 m

Step	Duration (min)	Q (m ³ /h)	Q (L/min)	D.W.L (m)	s (m)	Q/s (m ³ /h/m)
1	120	0.80	13.33	16.03	6.42	0.12
2	120	0.90	15	42.19	32.58	0.03
3	120	1.00	16.67	53.63	44.02	0.02
4	50	1.10	18.33	76.57	66.96	0.02
5					(9.61)	0.00

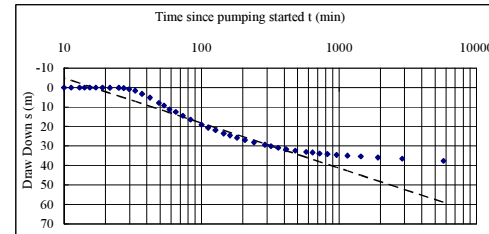
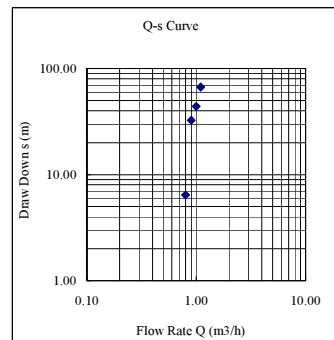
Analysis Results of Constant Discharge Rate Pumping Test

Q	1 m ³ /h	16.67 L/min	
ds1 (m)	10.120477	dt1 (min)	10
ds2 (m)	13.081651	dt2 (min)	100
ds (m)	2.9611743		
Screen Pipe Length (m)	5.90		
T (L/min/m)	1.03	=0.183Q/ds	
T (m ³ /s/m)	1.717E-05		
K (m/min)	0.17	=T/(Screen Length)	
K (m/s)	2.910E-06		



Analysis Results of Recovery Test

Q	1 m ³ /h	16.67 L/min	
ds'1 (m)	18.249956	dt/t'1	100
ds'2 (m)	41.307933	dt/t'2	1000
ds (m)	23.057977		
Screen Pipe Length (m)	5.90		
T (L/min/m)	0.13	=0.183Q/ds	
T (m ³ /s/m)	2.205E-06		
K (m/min)	0.02	=T/(Screen Length)	
K (m/s)	3.737E-07		



Observation

E. 28 イグンガ県イグモ村 BH1 揚水試験結果

タボラ州地方給水・衛生計画策定支援プロジェクト

JICA

E. 29 水質分析最終結果一覽

Physical & Chemical Parameters	Unit	Isanga (BH1)	Isanga (BH2)	Kakola (BH1)	Mpumtuli (BH1)	Mabama (BH1)	Mabama (BH2)	Mpombwe (BH1)	Usunga (BH1)	Usunga (BH2)	Igumo (BH1)
Turbidity	NTU	0.66	2.53	0.964	0.861	3.81	0.644	842	1575	3.03	0.44
pH		7.6	7.4	7.7	7.7	7.1	7.2	7.6	7.5	7.8	7.8
Colour	mgPt/L	NIL	NIL	NIL	NIL	NIL	NIL	NIL	Pale brown	NIL	NIL
Electrical Conductivity	μ S/cm	864	687	1200	1370	1183	1181	835	837	268	1038
Total Filterable residue*4	mg/l	475.2	377.8	800	685	562	590	460.2	468	134	570.9
Odour	TON	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Taste	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Nitrate	mgNo ₃ /l	0.479	0.170	0.02	0.5	0.29	1.76	0.477	1	0.9	0.291
Nitrite	mgNO ₂ /L	0.01	NIL	NIL	0.01	0.01	0.02	0.02	0.6	0.01	0.002
Phenolphthalein Alkalinity	mgCaCo ₃ /L	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Total Alkalinity	mgCaCo ₃ /L	400	350	300	250	500	350	200	450	50	400
Non Carbonate Hardness	mgCaCo ₃ /L	NIL	NIL	125	NIL	NIL	NIL	25	NIL	75	NIL
Total Hardness	mgCaCo ₃ /L	300	300	425	200	325	200	225	200	125	250
Arsenic	mg/L	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Bicarbonate (HCO ₃)	mgCo ₃ /L	300	300	300	200	325	200	200	200	50	250
Calcium	mg/l	80	60	160	50	100	70	50	60	40	60
Magnesium	mg/l	24.3	36.48	6.08	19.24	18.24	6.08	24.3	12.16	6.08	24.32
Manganese	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	1.5	0.05	NIL	NIL
Zinc	mg/l	NIL	0.001	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Iron	mg/l	NIL	NIL	NIL	0.02	NIL	0.02	3.02	0.64	NIL	NIL
Chloride	mg/l	86.6	53.1	199.5	212.7	124.07	141.8	86.6	194.97	53.17	70.9
Sulphate (SO ₄)	mg/l	NIL	NIL	48	250	NIL	70	1.7	8	9.6	18.72
Nickel	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Sodium	mg/l	60.2	18.8	79.81	220.5	121.9	176.41	86.9	119.37	3.22	121.4
Potassium	mg/l	1.5	2.4	2.1	4.9	1.7	6.0	3.3	7.7	2.2	4.6
Lead (Pb)	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Fluoride	mg/l	2.4	1.1	1.61	3.95	1.50	2.24	1.1	1.48	2.53	7
Copper (Cu)	mg/l	NIL	NIL	NIL	0.001	NIL	0.002	0.001	0.001	NIL	NIL
Ammonium (NH ₄ + NH ₃)	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	0.001	NIL
Orthophosphate	mg/l	NIL	NIL	NIL	NIL	NIL	0.001	NIL	NIL	NIL	NIL
Temperature	°C	28.6	28.7	25	28	26	26	28.8	26.5	26	26.7
Cadmium (Cd)	mg/l	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
BACTERIOLOGICAL	Counts/100mL										
Total Coliform		NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Escherichia coli		NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

E. 30 調查團事務所簡易水質測定結果一覽 (1/4)

Sampling	Date	Analysis	District	Village	Site	Coordinate		Facility	Stage	Detail	F	F(median)	Conductivity mS/m	pH	ORP mV	Temp. °C		
						X	Y											
2010/10/6	2010/10/6	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Preliminary 1 hour	4.9	5	4.95	151.7	7.37		
2010/10/6	2010/10/6	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Preliminary 2 hours	4.6	4.6	4.6	152.7	7.67		
2010/10/6	2010/10/6	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Step 1st	4.6	4.7	4.65	153	7.67		
2010/10/6	2010/10/6	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Step 2nd	4.8	4.9	4.85	153.7	7.63		
2010/10/6	2010/10/6	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Step 3rd	4.7	4.7	4.7	154	7.69		
2010/10/6	2010/10/6	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Step 4th	4.8	4.8	4.8	153.7	7.65		
2010/10/6	2010/10/6	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Step 5th	4.8	4.8	4.8	154.1	7.59		
2010/10/7	2010/10/7	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Constant 10H	4.7	4.8	4.75	153.8	7.71		
2010/10/7	2010/10/7	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Constant 20H	4.6	4.7	4.65	154.8	7.67		
2010/10/9	2010/10/9	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Constant 30H	4.8	4.9	4.85	154.3	7.6		
2010/10/9	2010/10/9	2010/10/10	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Constant 40H	4.8	4.9	4.85	155.3	7.64		
2010/8/24	2010/8/24	2010/8/24	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Pumping Test	Constant 48H	4.9	5	4.95	155.3	7.62	28.4	
2010/8/24	2010/8/24	2010/8/24	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Development	185min, 6.9m3/h	164.7		8.47				
2010/8/24	2010/8/24	2010/8/24	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Development	220min, 6.9m3/h	165.6		8.56				
2010/8/24	2010/8/24	2010/8/24	Tabora Rural	Mpumbuli	2 TR-054BH2	36M	0549469	9413752	Test Well	Development	240min, 7.0m3/h	165.6		8.56				
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	30m First strike	136.5		8.03	120			
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	31m, 3.8m3/h	137		8.02	107	28.8		
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	36m, 4.6m3/h	137		8.02	109	28.8		
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	42m, 4.7m3/h	136		8.9		28.6		
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	45m, 4.7m3/h	129.3		7.89		28.6		
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	49m	1.32	1.43	1.375	130.2	7.95	147	28.6
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	54m, 5.2m3/h	131.7		7.78	114	27.1		
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	60m, 5.4m3/h	135		7.81	135	27.4		
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	66m, 4.7m3/h	133.1		7.9	136	27.1		
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	72m, 4.8m3/h	134.1		7.86	128	26.8		
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	78m, 4.6m3/h	129.8		7.89	117	26.6		
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	82m, 6.1m3/h	1.33	1.41	1.37	129.8	7.89	117	26.6
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	84m, 7.1m3/h	1.24	1.28	1.26	136.4	8.09	97	26.6
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	90m, 6.8m3/h	1.22	1.22	1.27	130.8	7.98	111	26.6
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	96m, 7.7m3/h	1.24	1.29	1.265	131.7	7.97	100	27.2
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	102m, 7.0m3/h	1.24	1.31	1.275	132	7.92	60	27.2
2010/8/28	2010/8/28	2010/8/28	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	102m, 7.0m3/h	1.28	1.3	1.29	128.5	7.9	80	27.4
2010/8/30	2010/8/30	2010/8/30	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Drilling	108m, 6.9m3/h	1.22	1.3	1.26	127.4	7.85	72	28.8
2010/8/30	2010/8/30	2010/8/30	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Development	60min.			136.5	8.28	26.7		
2010/8/30	2010/8/30	2010/8/30	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Development	130min.			136.2	8.26	26.3		
2010/8/30	2010/8/30	2010/8/30	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Development	330min, 5.5m3/h			131.4	8.22	26		
2010/9/7	2010/9/7	2010/9/7	Tabora Rural	Mabama	1 TR-069BH1	36M	0448218	9433981	Test Well	Drilling	61m, 6.6m3/h	1.79	1.86	1.825	105.3	8.56	-14	27
2010/9/7	2010/9/7	2010/9/7	Tabora Rural	Mabama	1 TR-069BH1	36M	0448218	9433981	Test Well	Drilling	67m, 9.0m3/h	1.96	1.97	1.965	111.2	8.3	-2	26.1
2010/9/7	2010/9/7	2010/9/7	Tabora Rural	Mabama	1 TR-069BH1	36M	0448218	9433981	Test Well	Drilling	73m, 11.0m3/h	2	2.1	2.05	113.3	8.33	7	26.8
2010/9/7	2010/9/7	2010/9/7	Tabora Rural	Mabama	1 TR-069BH1	36M	0448218	9433981	Test Well	Drilling	79m, 11.7m3/h	2.3	2.4	2.35	116.6	8.36	7	26.4
2010/9/9	2010/9/9	2010/9/9	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Pumping Test	Step 4th, 5.0m3/h	1.27	1.34	1.305		6.76		
2010/9/9	2010/9/9	2010/9/9	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Pumping Test	Step 5th, 6.0m3/h	1.1	1.21	1.155		7.81		
2010/9/9	2010/9/9	2010/9/9	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Pumping Test	Step 1st, 6.0m3/h	1.19	1.22	1.205		6.8		
2010/9/9	2010/9/9	2010/9/9	Tabora Urban	Kakola	1 TU-008BH1	36M	0482083	9462843	Test Well	Pumping Test	Step 2nd, 7.0m3/h	1.12	1.2	1.16		7.1		
2010/9/12	2010/9/12	2010/9/12	Tabora Rural	Mabama	1 TR-069BH1	36M	0448218	9433981	Test Well	Pumping Test	Step 1st	2.5	2.5	2.5	135.2	7.08		
2010/9/12	2010/9/12	2010/9/12	Tabora Rural	Mabama	1 TR-069BH1	36M	0448218	9433981	Test Well	Pumping Test	Step 2nd	2.5	2.6	2.55	124.6	6.71		
2010/9/12	2010/9/12	2010/9/12	Tabora Rural	Mabama	1 TR-069BH1	36M	0448218	9433981	Test Well	Pumping Test	Step 3rd	2.5	2.6	2.55	124.9	6.72		
2010/9/12	2010/9/12	2010/9/12	Tabora Rural	Mabama	1 TR-069BH1	36M	0448218	9433981	Test Well	Pumping Test	Step 4th	2.6	2.6	2.6	127.4	6.72		
2010/9/12	2010/9/12	2010/9/12	Tabora Rural	Mabama	2 TR-069BH2	36M	0448362	9433208	Test Well	Pumping Test	Step 5th	2.6	2.6	2.6	127.6	6.69		
2010/9/13	2010/9/13	2010/9/13	Tabora Rural	Mabama	2 TR-069BH2	36M	0448362	9433208	Test Well	Drilling	First strike 30m	4.7	4.7	4.7	162.2	8.26		
2010/9/13	2010/9/13	2010/9/13	Tabora Rural	Mabama	2 TR-069BH2	36M	0448362	9433208	Test Well	Drilling	44m	3.7	3.9	3.8	161.4	8.62		
2010/9/13	2010/9/13	2010/9/13	Tabora Rural	Mabama	2 TR-069BH2	36M	0448362	9433208	Test Well	Drilling	48m	3.7	3.8	3.75	138.3	8.22		
2010/9/13	2010/9/13	2010/9/13	Tabora Rural	Mabama	2 TR-069BH2	36M	0448362	9433208	Test Well	Development	1.5h	3.4	3.6	3.5	134.8	8.65		
2010/9/13	2010/9/13	2010/9/13	Sikonge	Mpombwe	1 SK-037BH1	36M	0465529	9402556	Test Well	Drilling	1st strike	1.41	1.43	1.42	122.9	8.38		

E. 30 調查團事務所簡易水質測定結果一覽 (2/4)

Sampling	Date	Analysis	Village	District	Site	Coordinate		Facility	Stage	Detail	F	F (median)	Conductivity mS/m	pH	ORP mV	Temp. °C
						X	Y									
2010/9/16	2010/9/16	1 SK-02BBH1	Usunga	Skonge	1 SK-02BBH1	36M	0492530	9368238	Drilling	17m	2.1	2.3	148.3	8.26		
2010/9/17	2010/9/17	1 SK-02BBH1	Usunga	Skonge	1 SK-02BBH1	36M	0492530	9368238	Drilling	Morning	2.1	2.2	172.7	7.02		
2010/9/17	2010/9/17	3 TR-06BBH3	Mabama	Tabora Rural	3 TR-06BBH3	36M	0448517	9433250	Drilling	End	3.1	3.2	134.5	8.16		
2010/9/19	2010/9/19	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Drilling	End	2.2	2.3	2.25			
2010/9/14	2010/9/13	2 TR-06BBH2	Mabama	Tabora Rural	2 TR-06BBH2	36M	0448362	9433208	Development	240m	3.5	3.8	162.3	7.44		
2010/9/15	2010/9/18	2 TR-06BBH2	Mabama	Tabora Rural	2 TR-06BBH2	36M	0448362	9433208	Development	240m	3.3	3.6	146.2	7.75		
2010/9/16	2010/9/18	2 TR-06BBH2	Mabama	Tabora Rural	2 TR-06BBH2	36M	0448362	9433208	Pumping Test	Preliminary	2.7	2.7	145.7	7.29		
2010/9/16	2010/9/18	2 TR-06BBH2	Mabama	Tabora Rural	2 TR-06BBH2	36M	0448362	9433208	Pumping Test	Step 1st. 0.4m3/h	2.9	3	2.95	143	7.43	
2010/9/16	2010/9/18	2 TR-06BBH2	Mabama	Tabora Rural	2 TR-06BBH2	36M	0448362	9433208	Pumping Test	Step 2nd. 0.6m3/h	2.7	2.7	137.1	7.43		
2010/9/16	2010/9/18	2 TR-06BBH2	Mabama	Tabora Rural	2 TR-06BBH2	36M	0448362	9433208	Pumping Test	Step 3rd. 0.8m3/h	2.9	3	2.95	143.3	7.51	
2010/9/17	2010/9/18	2 TR-06BBH2	Mabama	Tabora Rural	2 TR-06BBH2	36M	0448362	9433208	Pumping Test	Step 4th. 1.0m3/h	2.9	2.9	144.5	7.48		
2010/9/17	2010/9/18	2 TR-06BBH2	Mabama	Tabora Rural	2 TR-06BBH2	36M	0448362	9433208	Pumping Test	Constant 0.8. 10H	2.9	3	2.95	144.4	7.44	
2010/9/18	2010/9/18	2 TR-06BBH2	Mabama	Tabora Rural	2 TR-06BBH2	36M	0448362	9433208	Pumping Test	Constant 0.8. 30H	2.8	2.8	143.9	7.35		
2010/9/18	2010/9/18	2 TR-06BBH2	Mabama	Tabora Rural	2 TR-06BBH2	36M	0448362	9433208	Pumping Test	Constant 0.8. 40H	2.7	2.8	143.2	7.52		
2010/9/22	2010/9/26	1 TR-06BBH1	Mabama	Tabora Rural	1 TR-06BBH1	36M	0448218	9433981	Pumping Test	Constant 0.8. 48H	2.7	2.8	144.5	7.45		
2010/9/22	2010/9/26	1 TR-06BBH1	Mabama	Tabora Rural	1 TR-06BBH1	36M	0448218	9433981	Pumping Test	Step 1st. 9m3/h	2	2.1	2.05	1.36	7.22	
2010/9/22	2010/9/26	1 TR-06BBH1	Mabama	Tabora Rural	1 TR-06BBH1	36M	0448218	9433981	Pumping Test	Step 2st. 11m3/h	2	2	2	1.27	7.09	
2010/9/22	2010/9/26	1 TR-06BBH1	Mabama	Tabora Rural	1 TR-06BBH1	36M	0448218	9433981	Pumping Test	Step 3st. 12m3/h	2	2.1	2.05	127.3	7.08	
2010/9/22	2010/9/26	1 TR-06BBH1	Mabama	Tabora Rural	1 TR-06BBH1	36M	0448218	9433981	Pumping Test	Step 4st. 14m3/h	2.1	2.2	2.15	129.9	7.16	
2010/9/22	2010/9/26	1 TR-06BBH1	Mabama	Tabora Rural	1 TR-06BBH1	36M	0448218	9433981	Pumping Test	Step 5st. 15m3/h	2.2	2.3	2.25	131.7	6.67	
2010/9/23	2010/9/26	1 TR-06BBH1	Mabama	Tabora Rural	1 TR-06BBH1	36M	0448218	9433981	Pumping Test	Constant. 10H	2.1	2.2	2.15	137.8	7	
2010/9/23	2010/9/26	1 TR-06BBH1	Mabama	Tabora Rural	1 TR-06BBH1	36M	0448218	9433981	Pumping Test	Constant. 20H	2.1	2.2	2.2	141.1	7	
2010/9/24	2010/9/26	1 TR-06BBH1	Mabama	Tabora Rural	1 TR-06BBH1	36M	0448218	9433981	Pumping Test	Constant. 30H	2	2.2	2.1	144.1	6.95	
2010/9/24	2010/9/26	1 TR-06BBH1	Mabama	Tabora Rural	1 TR-06BBH1	36M	0448218	9433981	Pumping Test	Constant. 40H	2.1	2.2	2.15	129.3	7.02	
2010/9/25	2010/9/26	1 NZ-047BH1	Isanga	Nzega	1 NZ-047BH1	36M	0523911	9550830	Drilling	26m	1.58	1.67	162.5	105.3	7.48	
2010/9/25	2010/9/26	1 NZ-047BH1	Isanga	Nzega	1 NZ-047BH1	36M	0523911	9550830	Drilling	49m	1.21	1.26	1.235	0.2	7.75	
2010/9/25	2010/9/26	1 NZ-047BH1	Isanga	Nzega	1 NZ-047BH1	36M	0523911	9550830	Drilling	60m	1.14	1.16	1.15	106.7	7.67	
2010/9/25	2010/9/27	1 IG-007BH1	Igumo	Igunga	1 IG-007BH1	36M	0551014	9495593	Drilling	80m	1.16	1.19	1.175	101.6	7.84	
2010/9/27	2010/9/27	1 IG-007BH1	Igumo	Igunga	1 IG-007BH1	36M	0551014	9495593	Drilling	26m	5.2	5.3	5.25	114.5	8.01	
2010/9/27	2010/9/27	1 IG-007BH1	Igumo	Igunga	1 IG-007BH1	36M	0551014	9495593	Drilling	36m	4.9	5.1	5	105.5	7.56	
2010/9/27	2010/9/27	1 IG-007BH1	Igumo	Igunga	1 IG-007BH1	36M	0551014	9495593	Drilling	67m	3.9	4.1	4	107.5	7.59	
2010/9/27	2010/9/27	1 IG-007BH1	Igumo	Igunga	1 IG-007BH1	36M	0551014	9495593	Drilling	80m	4	4.1	4.05	119.2	8.11	
2010/9/28	2010/9/28	2 NZ-047BH2	Isanga	Nzega	2 NZ-047BH2	36M	0523911	9550934	River Water	Near Drilling site	1.36	1.39	1.375			
2010/9/28	2010/9/28	2 NZ-047BH2	Isanga	Nzega	2 NZ-047BH2	36M	0523911	9550830	Drilling	43m	1.09	1.13	1.11	67.4	7.87	
2010/9/28	2010/9/28	2 NZ-047BH2	Isanga	Nzega	2 NZ-047BH2	36M	0523911	9550830	Drilling	54m	0.78	0.85	0.815	71.4	7.74	
2010/9/27	2010/10/4	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Drilling	81m	0.68	0.71	0.695	73.5	7.75	
2010/9/27	2010/10/4	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Pumping Test	Step 1st. 0.4m3/h	1.8	1.93	1.865	55.4	7.61	
2010/9/27	2010/10/4	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Pumping Test	Step 2nd. 0.6m3/h	1.46	1.61	1.545	31.9	7.33	
2010/9/27	2010/10/4	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Pumping Test	Step 3rd. 0.8m3/h	1.46	1.59	1.525	31.7	7.3	
2010/9/27	2010/10/4	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Pumping Test	Step 4th. 1.0m3/h	1.82	1.87	1.845	32	7.34	
2010/9/28	2010/10/4	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Pumping Test	Step 5th. 1.2m3/h	1.79	1.87	1.83	31.8	7.34	
2010/9/28	2010/10/4	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Pumping Test	Constant. 10H	1.96	2	1.98	32.2	7.39	
2010/9/29	2010/10/4	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Pumping Test	Constant. 20H	2.1	2	2.05	31.9	7.39	
2010/9/29	2010/10/4	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Pumping Test	Constant. 30H	1.89	2	1.945	32.5	7.38	
2010/9/29	2010/10/4	2 SK-02BBH2	Usunga	Skonge	2 SK-02BBH2	36M	0494744	9368375	Pumping Test	Constant. 40H	1.96	2	1.98	32.1	7.47	
2010/9/25	2010/10/4							Existing Well	HPRP-28	HP	0.08	0.23	0.215	6.5	6.05	
2010/9/25	2010/10/4							Existing Well	HPRP-31	HP	0.02	0.09	0.085	5.9	7.38	
2010/9/26	2010/10/4							Existing Well	Near Mabama-1	NPW	0.185	0.187	0.186	9	5.73	
2010/9/24	2010/10/4							Existing Well	DDCA	PW	0.39	0.42	0.405	19.5	6.3	
2010/9/24	2010/10/4							Existing Well	DDCA	TANIRA	0.2	0.21	0.205	18.2	5.9	

E. 30 調查團事務所簡易水質測定結果一覽 (3/4)

Sampling	Date	Analysis	District	Village	Site	Coordinate	Facility	Stage	Detail	F	[F(median)]	Conductivity	pH	ORP	Temp
						X Y				mg/L		mS/m		mV	°C
2010/9/24	2010/10/4	Sikonge	Usungu-1			36M 0456376 36M 0578293	Existing Well Existing Well	DDCA	TANIRA	0.37 - 0.38	0.38	24.3	6.11		
2010/9/27	2010/10/4	Igunga	Buhakela			36M 0578293 36M 0504437	Existing Well Existing Well	PW HPRP-33	PW HP	0.64 - 0.69	0.65	20.3	6.1		
2010/9/25	2010/10/4					36M 0492083 36M 0422083	Existing Well Test Well	Pumping Test	Preliminary 2H	0.84 - 0.92	0.88	26.4	6.07		
2010/10/2	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Preliminary 4H	1.23 - 1.23	1.23	147.3	6.56		
2010/10/2	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Step 1st. 4.3m3/h	1.21 - 1.22	1.215	144.5	7.07		
2010/10/2	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Step 2nd. 5.3m3/h	1.27 - 1.29	1.28	147.3	7.33		
2010/10/2	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Step 3rd. 5.9m3/h	1.21 - 1.24	1.225	139.9	7.24		
2010/10/2	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Step 4th. 6.7m3/h	1.26 - 1.28	1.27	142.8	7.34		
2010/10/2	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Step 5th. 7.7m3/h	1.25 - 1.28	1.265	143.3	7.12		
2010/10/3	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Constant 10H	1.19 - 1.22	1.205	143.4	7.13		
2010/10/3	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Constant 20H	1.21 - 1.24	1.225	144	7.17		
2010/10/4	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Constant 30H	1.27 - 1.29	1.28	142.5	7.18		
2010/10/4	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Constant 40H	1.28 - 1.3	1.29	143.2	7.08		
2010/10/4	2010/10/6	Tabora Urban	Kakola			36M 0492083 36M 0422083	Test Well Test Well	Pumping Test	Constant 48H	1.21 - 1.22	1.215	143.3	7.13		
2010/10/4	2010/10/6					36M 420393 36M 420393	Existing Well	HPRP-36	HP	0.63 - 0.65	0.64	31.9	6.6		
2010/10/12	2010/10/20	Sikonge	Usungu			36M 0492530 36M 0492530	Test Well	Pumping Test	60min.	1.44 - 1.46	1.45	90.7	7.72		
2010/10/12	2010/10/20	Sikonge	Usungu			36M 0492530 36M 0492530	Test Well	Pumping Test	90min.	1.16 - 1.18	1.17	106.1	7.45		
2010/10/15	2010/10/20	Sikonge	Usungu			36M 0492721 36M 0492721	Existing well	NPW	NPW	0.52 - 0.54	0.53	35.9	6.96		
2010/10/15	2010/10/20	Sikonge	Mboombe			36M 0465785 36M 0465785	Test Well	Pumping Test	60min.	0.69 - 0.71	0.7	111.2	7.57		
2010/10/15	2010/10/20	Sikonge	Mboombe			36M 0465785 36M 0465785	Test Well	Pumping Test	120min.	0.61 - 0.62	0.615	108.6	7.53		
2010/10/23	2010/10/23	Tabora Urban	Office				Rain Water		Puddle	0.1 - 0.1	0.1	6.43	8.85		
2010/10/23	2010/10/23	Tabora Urban	Office				Rain Water		Hotel roof	0.07 - 0.07	0.07	10.04	7.67		
2010/10/23	2010/10/23	Tabora Urban	Office				PET Bottled water		In the market	0.33 - 0.39	0.36	24.8	7.2		
2010/10/17	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Preliminary 90min	1.49 - 1.5	1.495	102.4	7.57		
2010/10/17	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Preliminary 180min	1.39 - 1.4	1.395	111.7	7.44		
2010/10/17	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Step 1st. 2.5m3/h	1.39 - 1.4	1.395	110	7.3		
2010/10/17	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Step 2nd. 3.0m3/h	1.5 - 1.54	1.52	110.9	7.32		
2010/10/17	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Step 3rd. 3.5m3/h	1.44 - 1.46	1.45	109.7	7.29		
2010/10/17	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Step 4th. 4.0m3/h	1.43 - 1.46	1.445	109.6	7.43		
2010/10/17	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Step 5th. 4.5m3/h	1.49 - 1.5	1.495	108.6	7.09		
2010/10/17	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Constant 10H	1.4 - 1.41	1.405	110.1	7.39		
2010/10/18	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Constant 20H	1.43 - 1.46	1.445	106.5	7.43		
2010/10/18	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Constant 30H	1.42 - 1.43	1.425	108.8	7.38		
2010/10/18	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Constant 40H	1.31 - 1.34	1.325	109.9	7.33		
2010/10/19	2010/10/23	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Pumping Test	Constant 48H	1.48 - 1.5	1.49	110.4	7.41		
2010/10/19	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Preliminary 90min	0.85 - 0.86	0.855	84.6	7.41		
2010/10/19	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Preliminary 180min	0.75 - 0.77	0.76	79.1	7.39		
2010/10/19	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Preliminary 240min	0.75 - 0.79	0.77	79.2	6.97		
2010/10/20	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Step 1st. 1.6m3/h	0.76 - 0.8	0.78	78.3	7.53		
2010/10/20	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Step 2nd. 2.3m3/h	0.76 - 0.81	0.785	78.3	7.41		
2010/10/20	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Step 3rd. 2.9m3/h	0.79 - 0.86	0.825	79.9	7.32		
2010/10/20	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Step 4th. 3.3m3/h	0.85 - 0.89	0.87	79.8	7.28		
2010/10/20	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Step 5th. 4.0m3/h	0.84 - 0.86	0.85	80.8	7.13		
2010/10/21	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Constant 10H	0.95 - 0.94	0.945	87.5	7.15		
2010/10/21	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Constant 20H	0.87 - 0.87	0.87	84.8	7.07		
2010/10/21	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Constant 30H	0.87 - 0.87	0.87	84.6	7.06		
2010/10/21	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Constant 40H	0.86 - 0.86	0.86	89.4	7.07		
2010/10/21	2010/10/23	Nzega	Isanga			36M 0524030 36M 0524030	Test Well	Pumping Test	Constant 48H	0.87 - 0.86	0.865	87.4	7.07		
2010/10/24	2010/10/29	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Double Pumping Test	Constant 10H	1.71 - 1.71	1.71	111.4	7.45		
2010/10/24	2010/10/29	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Double Pumping Test	Constant 15H	1.66 - 1.67	1.665	109.7	7.27		
2010/10/24	2010/10/29	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Double Pumping Test	Constant 20H	1.68 - 1.69	1.685	110.2	7.3		
2010/10/25	2010/10/29	Nzega	Isanga			36M 0523911 36M 0523911	Test Well	Double Pumping Test	Constant 25H	1.71 - 1.72	1.715	110.8	7.32		

E.30 調查團事務所簡易水質測定結果一覽 (4/4)

Sampling	Date	Analysis	District	Village	Site	Coordinate		Facility	Stage	Detail	F	[Median]	Conductivity/ mS/m	pH	OPP mV	Temp. °C
						X	Y									
2010/10/25	2010/10/29	Nzega	Isanaga	1/NZ-047BH1	36M	0523911	9550830	Test Well	Double Pumping Test	Constant 30H	1.67	1.68	110.4	7.31		
2010/10/24	2010/10/29	Nzega	Isanaga	2/NZ-047BH2	36M	0523911	9550830	Test Well	Double Pumping Test	Constant 5H	1.03	1.03	86.5	7.38		
2010/10/24	2010/10/29	Nzega	Isanaga	2/NZ-047BH2	36M	0523911	9550830	Test Well	Double Pumping Test	Constant 10H	1.02	1.01	10.15	7.11		
2010/10/24	2010/10/29	Nzega	Isanaga	2/NZ-047BH2	36M	0523911	9550830	Test Well	Double Pumping Test	Constant 15H	0.99	1	0.995	87.4	7.01	
2010/10/25	2010/10/29	Nzega	Isanaga	2/NZ-047BH2	36M	0523911	9550830	Test Well	Double Pumping Test	Constant 20H	0.99	1	0.995	88.6	7.05	
2010/10/25	2010/10/29	Nzega	Isanaga	2/NZ-047BH2	36M	0523911	9550830	Test Well	Double Pumping Test	Constant 25H	1	1	86.1	7.03		
2010/10/25	2010/10/29	Nzega	Isanaga	2/NZ-047BH2	36M	0523911	9550830	Test Well	Double Pumping Test	Constant 30H	0.99	1	0.995	89.4	7.05	
2010/10/26	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	HDW	9.3	9.5	190.09	7.78		
2010/10/26	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Preliminary 80min	6	6	113.3	7.51		
2010/10/27	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Preliminary 30min	5.5	5.5	120.3	7.51		
2010/10/27	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Step 1st, 0.8m3/h	5.3	5.3	118.6	7.71		
2010/10/27	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Step 2nd, 0.9m3/h	5.3	5.3	112.2	7.67		
2010/10/27	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Step 3rd, 1.0m3/h	5.3	5.6	5.45	115.5	7.61	
2010/10/27	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Step 4th, 1.1m3/h	5.7	5.7	121.5	7.43		
2010/10/27	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Constant 10H	5.2	5.2	118.6	7.65		
2010/10/27	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Constant 20H	5.2	5.3	5.25	118.3	7.68	
2010/10/28	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Constant 30H	5.4	5.4	121.1	7.64		
2010/10/29	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Constant 40H	5.4	5.4	120.5	7.67		
2010/10/29	2010/10/31	Igunga	Igumo	1/IG-007BH1	36M	0551014	9495593	Test Well	Pumping Test	Constant 46H	5.4	5.4	120.3	7.61		
2010/10/26	2010/10/26	Tabora Urban	Orion Hotel					Rain Water			0.046	0.047	0.0465	7.23		

データ集 F
配管計算資料

配管計算資料

- (1) レベル-2 ポンプ選定および送水管計算
 - ポンプ計算書案 (イサンガ村)
 - ポンプ計算書案 (ムブンブリ村)
 - ポンプ計算書案 (マバマ村)
 - ポンプ計算書案 (カコラ村)

- (2) レベル-2 配水管水理計算書
 - 配水管水理計算書(イサンガ村)
 - 配水管水理計算書(ムブンブリ村)
 - 配水管水理計算書(マバマ村)
 - 配水管水理計算書(カコラ村)

- (3) レベル-2 配水管水理計算概念図
 - 配水管水理計算概念図 節点解析 (イサンガ村)
 - 配水管水理計算概念図 管路解析 (イサンガ村)
 - 配水管水理計算概念図 節点解析 (ムブンブリ村)
 - 配水管水理計算概念図 管路解析 (ムブンブリ村)
 - 配水管水理計算概念図 節点解析 (マバマ村)
 - 配水管水理計算概念図 管路解析 (マバマ村)
 - 配水管水理計算概念図 節点解析 (カコラ村)
 - 配水管水理計算概念図 管路解析 (カコラ村)

Provisional Pump Plan for Level-2 Facility

Village Isanga
Ward Lusu
Region Tabora

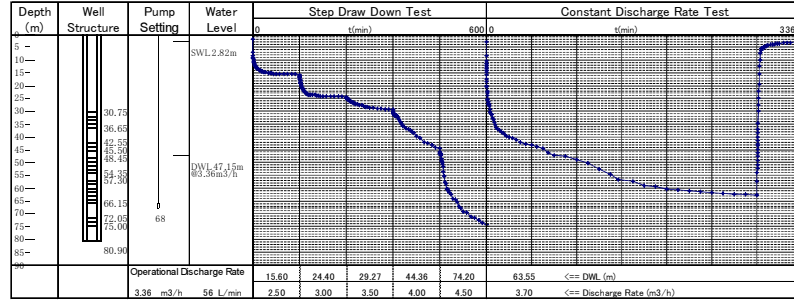
This Provisional Pump Plan shall be revised, according to the technical specifications of the pumps and piping materials which shall be selected by the Contractor, after the commencement of the implementation of the Project.

Borehole No.	672/2010	Contractor	DDCA
BH No.	NZ-047BH1	Supply Population	1956
BT No.	BTTR-008	Operating Hour (hr)	16
PP No.	PP-008	Daily Supply (m ³ /day)	53.79

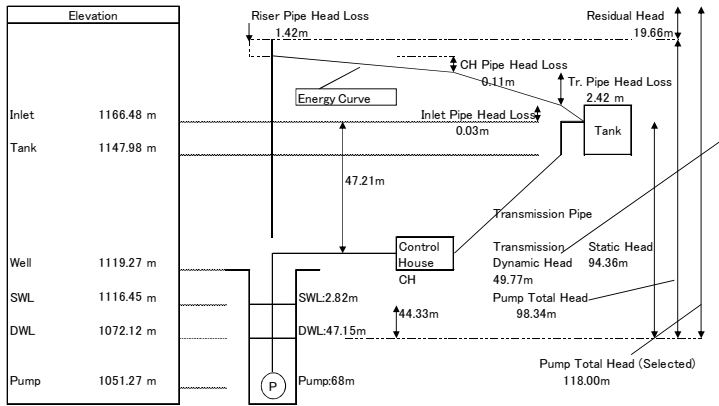
Pump Setting Depth Calculation

1) SWL (m)	2.82 m
2) Discharge Rate (m ³ /hr)	3.36 m ³ /hr 56 L/min
3) Specific Capacity (m ³ /hr/m)	0.061 m ³ /hr/m
4) Draw Down (m)	44.33 m 4)=2)÷3)
5) Annual Fracturation	0 m
6) DWL (m)	47.15 m 6)=1)+4)+5)
7) Additional Depth (m)	20.85 m
8) Pump Setting Depth (m)	68 m 8)=6)+7)

Pump Setting Plan



Pump Capacity Calculation

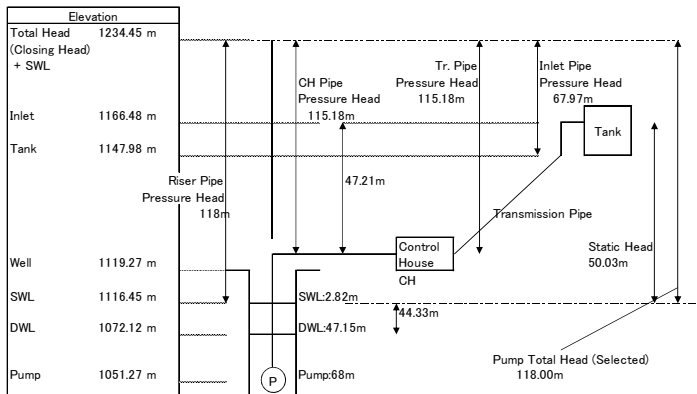


Head Loss Calculation

Riser Pipe	
Pipe Type	1-1/2" SUS
Pipe Dia.	0.0426 m
Velocity	0.655 m/sec
Pipe Length	68 m
Head Loss	1.42 m
Control House Pipe	
Pipe Type	2" STPG
Pipe Dia.	0.0527 m
Velocity	0.428 m/sec
Pipe Length	10.3 m
Head Loss	0.11 m
Transmission Pipe	
Pipe Type	90/16PVC
Pipe Dia.	0.0766 m
Velocity	0.203 m/sec
Pipe Length	2011.83 m
Head Loss	2.42 m
Inlet Pipe	
Pipe Type	3" GP-M
Pipe Dia.	0.08 m
Velocity	0.186 m/sec
Pipe Length	18.5 m
Head Loss	0.03 m
Total Head Loss	3.98 m
Transmission Dynamic Head	69.43 m
Maximum Head at Control House by Water Hammer	97.2 m
(Transmission Dynamic Head x 1.4)	
Pump Total Head	98.34 m
Provisional Pump Selection	
Pump Model	
Total Head	118 m
Residual Head	19.66 m
Power	2.2 kw
Closing Head	160 m
Closing Head-D.W.L	112.85 m

Pressure Head Calculation

(Pump starts @DWL=SWL)



Pipe Pressure Calculation

Riser Pipe	
Pressure Head	118 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	16.2 bar
CH Pipe	
Pressure Head	115.18 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	15.8 bar
Tr. Pipe	
Pressure Head	115.18 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	15.8 bar
Inlet Pipe	
Pressure Head	67.97 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	9.3 bar

Class of Transmission Pipe Class16

Provisional Pump Plan for Level-2 Facility

Village Mpumbuli
Ward Kizengi
Region Tabora

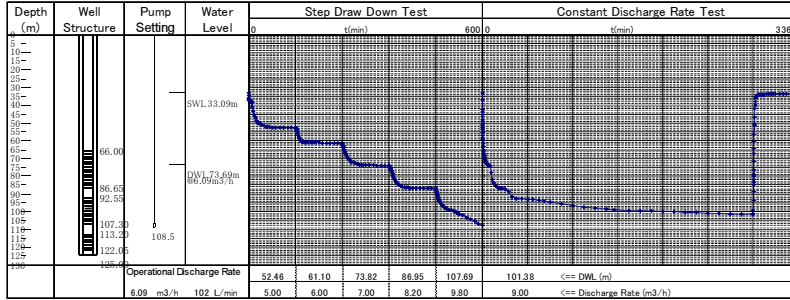
This Provisional Pump Plan shall be revised, according to the technical specifications of the pumps and piping materials which shall be selected by the Contractor, after the commencement of the implementation of the Project.

Borehole No.	862/2010	Contractor	DDCA
BH No.	TR-054BH2	Supply Population	2658
BT No.	BTTR-001	Operating Hour (hr)	12
PP No.	PP-001	Daily Supply (m ³ /day)	73.1

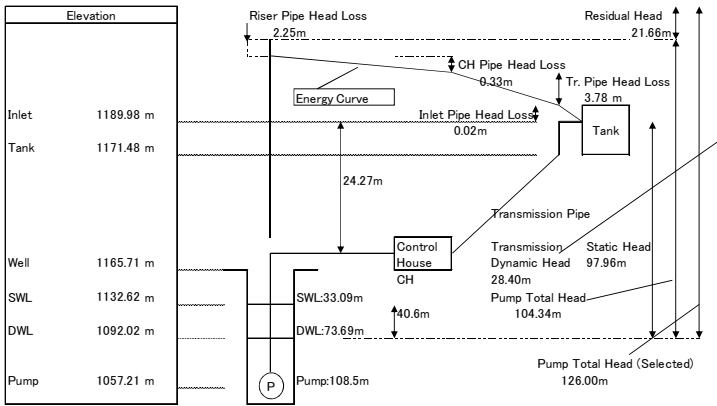
Pump Setting Depth Calculation

1) SWL (m)	33.09 m
2) Discharge Rate (m ³ /hr)	6.09 m ³ /hr 102 L/min
3) Specific Capacity (m ³ /hr/m)	0.15 m ³ /hr/m
4) Draw Down (m)	40.6 m 4)=2)÷3)
5) Annual Fractuation	0 m
6) DWL (m)	73.69 m 6)=1)+(4)+5)
7) Additional Depth (m)	34.81 m
8) Pump Setting Depth (m)	108.5 m 8)=6)+7)

Pump Setting Plan



Pump Capacity Calculation

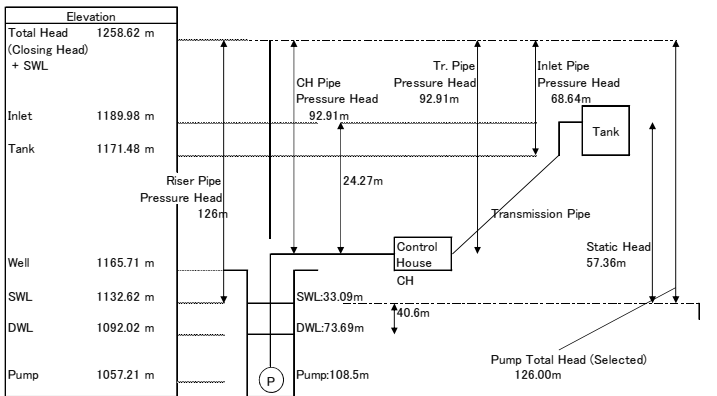


Head Loss Calculation

Riser Pipe	
Pipe Type	2" SUS
Pipe Dia.	0.0535 m
Velocity	0.753 m/sec
Pipe Length	108.5 m
Head Loss	2.25 m
Control House Pipe	
Pipe Type	2" STPG
Pipe Dia.	0.0527 m
Velocity	0.776 m/sec
Pipe Length	10.3 m
Head Loss	0.33 m
Transmission Pipe	
Pipe Type	110/16PVC
Pipe Dia.	0.0966 m
Velocity	0.231 m/sec
Pipe Length	3238.19 m
Head Loss	3.78 m
Inlet Pipe	
Pipe Type	4" GP-M
Pipe Dia.	0.1043 m
Velocity	0.198 m/sec
Pipe Length	18.5 m
Head Loss	0.02 m
Total Head Loss	6.38 m
Transmission Dynamic Head	50.06 m
Maximum Head at Control House by Water Hammer (Transmission Dynamic Head x 1.4)	70.08 m
Pump Total Head	104.34 m
Provisional Pump Selection	
Pump Model	
Total Head	126 m
Residual Head	21.66 m
Power	3.7 kw
Closing Head	140 m
Closing Head-D.W.L	66.31 m

Pressure Head Calculation

(Pump starts @DWL=SWL)



Pipe Pressure Calculation

Riser Pipe	
Pressure Head	126 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	17.3 bar
CH Pipe	
Pressure Head	92.91 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	12.7 bar
Tr. Pipe	
Pressure Head	92.91 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	12.7 bar
Inlet Pipe	
Pressure Head	68.64 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	9.4 bar

Class of Transmission Pipe Class16

Provisional Pump Plan for Level-2 Facility

**Village Mabama
Ward Mabama
Region Tabora**

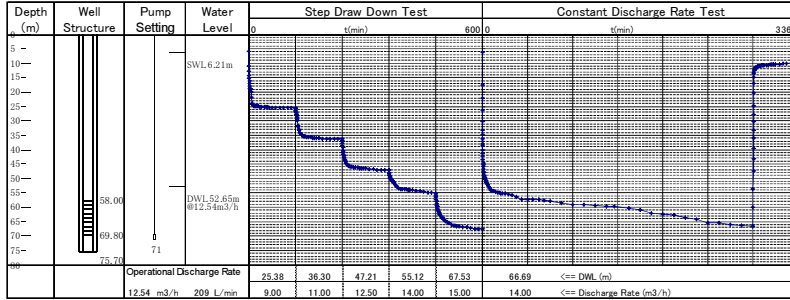
This Provisional Pump Plan shall be revised, according to the technical specifications of the pumps and piping materials which shall be selected by the Contractor, after the commencement of the implementation of the Project.

Borehole No.	864/2010	Contractor	DDCA
BH No.	TR-069BH1	Supply Population	5471
BT No.	BTTR-003	Operating Hour (hr)	12
PP No.	PP-003	Daily Supply (m3/day)	150.45

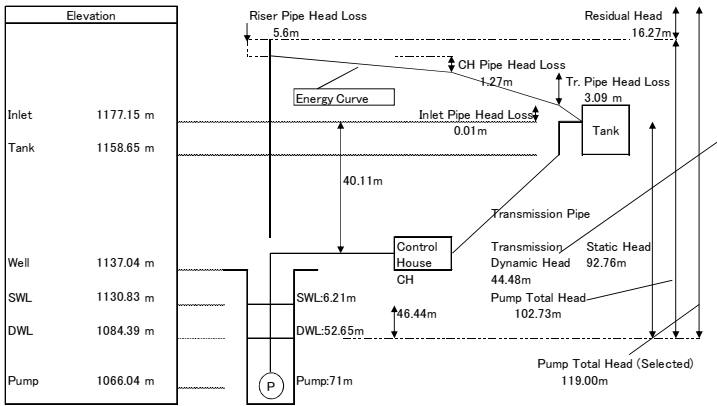
Pump Setting Depth Calculation

1) SWL (m)	6.21 m
2) Discharge Rate (m3/hr)	12.54 m3/hr 209 L/min
3) Specific Capacity (m3/hr/m)	0.27 m3/hr/m
4) Draw Down (m)	46.44 m 4)=2)÷3)
5) Annual Fractuation	0 m
6) DWL (m)	52.65 m 6)=1)+(4)+5)
7) Additional Depth (m)	18.35 m
8) Pump Setting Depth (m)	71 m 8)=6)+7)

Pump Setting Plan



Pump Capacity Calculation

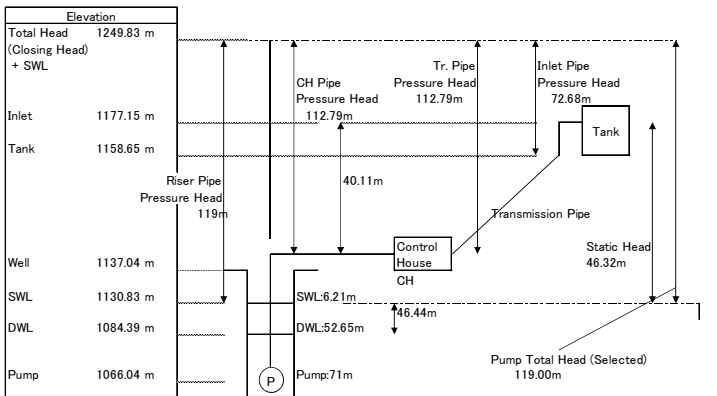


Head Loss Calculation

Riser Pipe	
Pipe Type	2" SUS
Pipe Dia.	0.0535 m
Velocity	1.55 m/sec
Pipe Length	71 m
Head Loss	5.6 m
Control House Pipe	
Pipe Type	2" STPG
Pipe Dia.	0.0527 m
Velocity	1.598 m/sec
Pipe Length	10.3 m
Head Loss	1.27 m
Transmission Pipe	
Pipe Type	160/16PVC
Pipe Dia.	0.141 m
Velocity	0.223 m/sec
Pipe Length	4384.04 m
Head Loss	3.09 m
Inlet Pipe	
Pipe Type	6" GP-M
Pipe Dia.	0.1544 m
Velocity	0.186 m/sec
Pipe Length	18.5 m
Head Loss	0.01 m
Total Head Loss	9.97 m
Transmission Dynamic Head	60.75 m
Maximum Head at Control House by Water Hammer (Transmission Dynamic Head x 1.4)	85.05 m
Pump Total Head	102.73 m
Provisional Pump Selection	
Pump Model	
Total Head	119 m
Residual Head	16.27 m
Power	7.5 kw
Closing Head	140 m
Closing Head-D.W.L	87.35 m

Pressure Head Calculation

(Pump starts @DWL=SWL)



Pipe Pressure Calculation

Riser Pipe	
Pressure Head	119 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	16.3 bar
CH Pipe	
Pressure Head	112.79 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	15.5 bar
Tr. Pipe	
Pressure Head	112.79 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	15.5 bar
Inlet Pipe	
Pressure Head	72.68 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	10 bar

Class of Transmission Pipe Class16

Provisional Pump Plan for Level-2 Facility

**Village Kakola
Ward Kakola
Region Tabora**

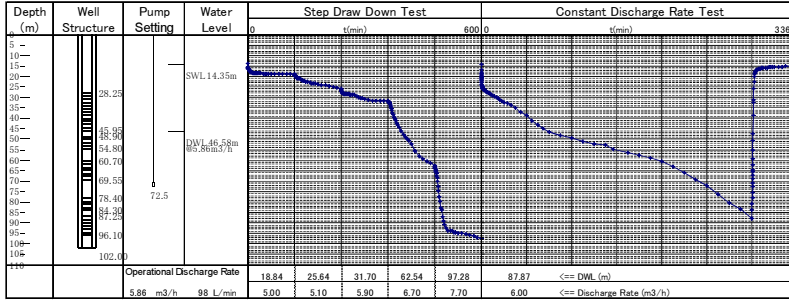
This Provisional Pump Plan shall be revised, according to the technical specifications of the pumps and piping materials which shall be selected by the Contractor, after the commencement of the implementation of the Project.

Borehole No.	863/2010	Contractor	DDCA
BH No.	TU-008BH1	Supply Population	2983
BT No.	BTTR-002	Operating Hour (hr)	14
PP No.	PP-002	Daily Supply (m3/day)	82.03

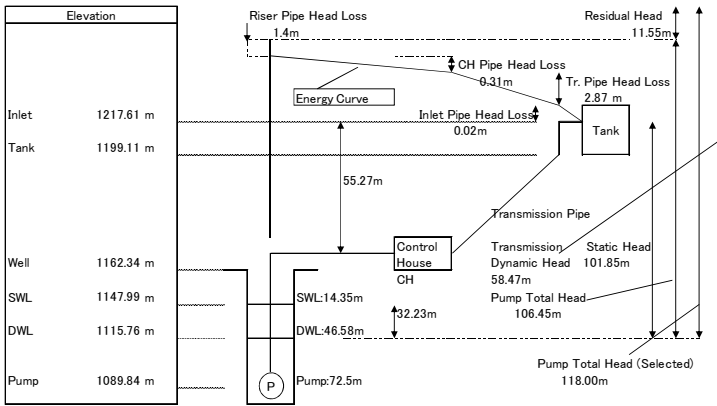
Pump Setting Depth Calculation

1) SWL (m)	14.35 m
2) Discharge Rate (m3/hr)	5.86 m3/hr 97.7 L/min
3) Specific Capacity (m3/hr/m)	0.186 m3/hr/m
4) Draw Down (m)	32.23 m 4)=2)÷3)
5) Annual Fracturation	0 m
6) DWL (m)	46.58 m 6)=1)+(4)+5)
7) Additional Depth (m)	25.92 m
8) Pump Setting Depth (m)	72.5 m 8)=6)+7)

Pump Setting Plan



Pump Capacity Calculation

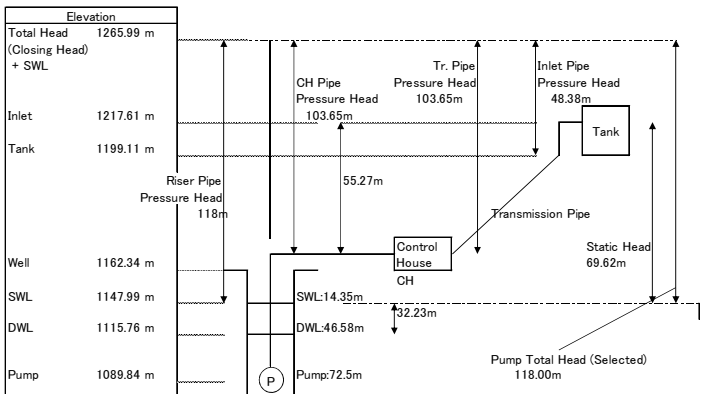


Head Loss Calculation

Riser Pipe	
Pipe Type	2" SUS
Pipe Dia.	0.0535 m
Velocity	0.724 m/sec
Pipe Length	72.5 m
Head Loss	1.4 m
Control House Pipe	
Pipe Type	2" STPG
Pipe Dia.	0.0527 m
Velocity	0.747 m/sec
Pipe Length	10.3 m
Head Loss	0.31 m
Transmission Pipe	
Pipe Type	110/16PVC
Pipe Dia.	0.0966 m
Velocity	0.222 m/sec
Pipe Length	2644.98 m
Head Loss	2.87 m
Inlet Pipe	
Pipe Type	4" GP-M
Pipe Dia.	0.1043 m
Velocity	0.191 m/sec
Pipe Length	18.5 m
Head Loss	0.02 m
Total Head Loss	4.6 m
Transmission Dynamic Head	70.02 m
Maximum Head at Control House by Water Hammer	98.03 m
(Transmission Dynamic Head x 1.4)	
Pump Total Head	106.45 m
Provisional Pump Selection	
Pump Model	
Total Head	118 m
Residual Head	11.55 m
Power	3.7 kw
Closing Head	140 m
Closing Head-D.W.L	93.42 m

Pressure Head Calculation

(Pump starts @DWL=SWL)



Pipe Pressure Calculation

Riser Pipe	
Pressure Head	118 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	16.2 bar
CH Pipe	
Pressure Head	103.65 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	14.2 bar
Tr. Pipe	
Pressure Head	103.65 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	14.2 bar
Inlet Pipe	
Pressure Head	48.38 m
Safety Factor (Water Hammer)	1.4
Pipe Pressure	6.6 bar

Class of Transmission Pipe Class16

Hydraulic Calculation for Distribution Line

S-001 ISANGA

PL No.	NT No.	RT No.	Node From	Node To	Station From	Station To	Pipe Line				NodeFrom				Node To											
							Valve	Pipe	Di. (mm)	Di. Calc. (mm)	V (m/sec)	Loss (m)	A Q (l/sec)	A Q (m ³ /h)	Length	A V (m/sec)	Loss (m)	A Q (l/sec)	A Q (m ³ /h)	Alt.	A. EH. (m)	A. WL. (m)	A. Q (l/sec)	A. Q (m ³ /h)		
1S-001D	RT-001		1	2IT		J1	24" GP-M	104.3	79.702	0.292	0.031	4.93	8.976	18.67	0.292	0.0312	1147.98	15.5	1163.48	-2.49	-8.9768	1147.368	16.08	1163.448	0	0
2S-001D	RT-001		2	3J1		J2	2/80/10PVC	81.4	61.129	0.282	2.177	1.467	5.28	1030.27	0.282	2.1765	1147.368	16.08	1163.448	0	0	1136.115	25.16	1161.272	0	0
3S-001D	RT-001		3	4J2		J3	2/40/10HDPE	35.2	33.482	0.452	0.361	0.44	1.584	26.59	0.452	0.3605	1136.115	25.16	1161.272	0	0	1136.115	24.79	1160.906	0	0
4S-001D	RT-001		4	5J3		JPW2	1/40/10HDPE	35.2	27.338	0.302	0.107	0.293	1.056	136.115	0.302	0.1068	1136.115	24.79	1160.906	0	0	1136.115	24.65	1160.797	0	0
5S-001D	RT-001		5	6JPW2		PW2	32/10HDPE	27.4	19.331	0.249	0.028	0.147	0.528	4.47	0.249	0.0281	1136.115	24.65	1160.797	0	0	1136.115	24.62	1160.772	0.147	0.528
6S-001D	RT-002		5	7JPW2		PW1	40/10HDPE	35.2	19.331	0.151	1.72	0.147	0.528	968.34	0.151	1.7201	1136.115	24.65	1160.797	0	0	1137.213	21.86	1159.078	0.147	0.528
7S-001D	RT-003		4	32J3		PW12	32/10HDPE	27.4	19.331	0.249	1.927	0.147	0.528	306.55	0.249	1.9271	1136.115	24.79	1160.906	0	0	1132.622	26.35	1158.976	0.147	0.528
8S-001D	RT-004		3	8J2		JA	2/63/10PVC	57	51.144	0.403	1.04	1.027	3.696	171.96	0.402	1.0396	1136.115	25.16	1161.272	0	0	1135.543	24.69	1160.232	0	0
9S-001D	RT-004		8	9J4		PWD3	32/10HDPE	27.4	27.338	0.498	2.259	0.293	1.056	99.7	0.497	2.2594	1135.543	24.69	1160.232	0	0	1136.767	21.2	1157.966	0.293	1.056
10S-001D	RT-005		8	10J4		JPW11	1/63/10PVC	57	43.225	0.288	1.292	0.733	2.64	398.19	0.287	1.2919	1135.543	24.69	1160.232	0	0	1134.085	24.86	1158.941	0	0
11S-001D	RT-005		10	11JPW11		PW11	32/10HDPE	27.4	19.331	0.249	0.008	0.147	0.528	1.2	0.249	0.0075	1134.085	24.86	1158.941	0	0	1134.08	24.85	1158.935	0.147	0.528
12S-001D	RT-006		10	12JPW11		JPW15	1/63/10PVC	57	38.661	0.23	1.18	0.567	2.112	549.71	0.23	1.1802	1134.085	24.86	1158.941	0	0	1130.059	27.7	1157.76	0	0
13S-001D	RT-006		12	13JPW15		PW15	32/10HDPE	27.4	19.331	0.249	0.034	0.147	0.528	5.38	0.249	0.0338	1130.059	27.7	1157.76	0	0	1130.163	27.57	1157.729	0.147	0.528
14S-001D	RT-007		12	14JPW15		J5	2/40/10HDPE	35.2	33.482	0.452	2.023	0.44	1.584	149.19	0.452	2.0227	1130.059	27.7	1157.76	0	0	1129.315	26.43	1155.74	0	0
15S-001D	RT-007		14	15J5		J6	40/10HDPE	35.2	19.331	0.151	0.76	0.147	0.528	428.09	0.151	0.7604	1129.315	26.43	1155.74	0	0	1128.302	26.68	1154.98	0.147	0.528
16S-001D	RT-008		14	16J5		J6	2/32/10HDPE	27.4	27.338	0.498	0.307	0.293	1.056	13.53	0.497	0.3066	1129.315	26.43	1155.74	0	0	1128.921	26.5	1155.423	0	0
17S-001D	RT-008		16	17J6		PW13	32/10HDPE	27.4	19.331	0.249	2.895	0.147	0.528	460.51	0.249	2.8949	1128.921	26.5	1155.423	0	0	1124.96	27.56	1152.525	0.147	0.528
18S-001D	RT-009		16	18J6		PW14	32/10HDPE	27.4	19.331	0.249	2.524	0.147	0.528	401.47	0.249	2.5238	1128.921	26.5	1155.423	0	0	1127.317	25.59	1152.902	0.147	0.528
19S-001D	RT-010		2	19J1		J7	2/63/10PVC	57	51.144	0.403	1.313	1.027	3.696	217.24	0.402	1.3134	1147.368	16.08	1163.448	0	0	1143.321	18.82	1162.136	0	0
20S-001D	RT-010		19	20J7		PW4	32/10HDPE	27.4	19.331	0.249	0.816	0.147	0.528	129.81	0.249	0.816	1143.321	18.82	1162.136	0	0	1143.636	17.68	1161.319	0.147	0.528
21S-001D	RT-011		19	21J7		JPW5	1/63/10PVC	57	47.35	0.345	1.984	0.388	1.168	436.47	0.345	1.9841	1143.321	18.82	1162.136	0	0	1137.831	22.32	1160.154	0	0
22S-001D	RT-011		21	22JPW5		PW5	32/10HDPE	27.4	19.331	0.249	0.116	0.147	0.528	18.44	0.249	0.1159	1137.831	22.32	1160.154	0	0	1137.947	22.09	1160.041	0.147	0.528
23S-001D	RT-012		21	23JPW5		J8	2/63/10PVC	57	43.225	0.288	0.71	0.733	2.64	215.68	0.287	0.6997	1137.831	22.32	1160.154	0	0	1134.239	25.21	1159.454	0	0
24S-001D	RT-012		23	24J8		PW6	32/10HDPE	27.4	19.331	0.249	1.97	0.147	0.528	313.37	0.249	1.9699	1134.239	25.21	1159.454	0	0	1131.311	26.17	1157.486	0.147	0.528
25S-001D	RT-013		23	25J8		J9	2/63/10PVC	57	38.661	0.23	0.595	0.597	2.112	277.11	0.23	0.595	1134.239	25.21	1159.454	0	0	1135.295	23.56	1158.859	0	0
26S-001D	RT-013		25	26J9		PW8	40/10HDPE	35.2	19.331	0.151	0.628	0.147	0.528	353.7	0.151	0.6283	1135.295	23.56	1158.859	0	0	1131.625	26.61	1158.23	0.147	0.528
27S-001D	RT-014		25	27J9		JPW7	1/40/10HDPE	35.2	33.482	0.452	0.889	0.44	1.584	65.56	0.452	0.8889	1135.295	23.56	1158.859	0	0	1135.458	22.51	1157.964	0	0
28S-001D	RT-014		27	28JPW7		PW7	32/10HDPE	27.4	19.331	0.249	0.09	0.147	0.528	14.37	0.249	0.0903	1135.458	22.51	1157.964	0	0	1135.558	22.32	1157.876	0.147	0.528
29S-001D	RT-015		27	29JPW7		JPW10	1/40/10HDPE	35.2	27.338	0.302	4.374	0.293	1.056	683.11	0.301	4.3744	1135.458	22.51	1157.964	0	0	1133.028	20.56	1153.59	0	0
30S-001D	RT-015		29	30JPW10		PW10	32/10HDPE	27.4	19.331	0.249	0.037	0.147	0.528	5.81	0.249	0.0365	1133.028	20.56	1153.59	0	0	1133.109	20.44	1153.553	0.147	0.528
31S-001D	RT-016		29	31JPW10		PW9	40/10HDPE	35.2	19.331	0.151	0.652	0.147	0.528	367.16	0.151	0.6522	1133.028	20.56	1153.59	0	0	1128.324	24.61	1152.938	0.147	0.528

Hydraulic Calculation for Distribution Line

S-002 MPUMBULI

PL No.	NT No.	RT No.	Node From	Node To	Station From	Station To	Junction Valve	Pipe	Dia (mm)	Dia Calc. (mm)	V (m/sec)	Loss (m)	A. Q (l/sec)	A. Q (m ³ /h)	Pipe Length (m)	A. V (m/sec)	A. Loss (m)	Node From				Node To				
																		Alt.	A. EHL (m)	A. WL. (m)	A. Q (l/sec)	A. Q (m ³ /h)	Alt.	A. EHL (m)	A. WL. (m)	A. Q (l/sec)
1	S-002D	RT-001	1	2	J1	J1	2" GP-M	104.3	92.846	0.396	0.055	3.383	12.161	18.67	0.396	0.0548	1171.48	15.5	1186.98	-3.38	-12.179	1171.48	15.44	1186.924	0	0
2	S-002D	RT-001	2	3	J1	J2	1 90/10PVC	81.4	81.433	0.5	0.117	2.603	9.3702	19.12	0.5	0.1167	1171.48	15.44	1186.924	0	0	1171.543	15.27	1186.808	0	0
3	S-002D	RT-001	3	4	J2	PWD5	50/10HDPE	44	36.418	0.343	0.061	0.521	1.874	9.98	0.342	0.0608	1171.543	15.27	1186.808	0	0	1171.543	15.2	1186.748	0.321	1.874
4	S-002D	RT-002	3	5	J2	J3	2 90/10PVC	81.4	72.836	0.4	0.935	2.082	7.4961	231.39	0.4	0.9348	1171.543	15.27	1186.808	0	0	1169.531	16.34	1185.875	0	0
5	S-002D	RT-002	5	6	J3	PW4	32/10HDPE	27.4	25.751	0.442	0.582	0.26	0.937	30.36	0.441	0.5515	1169.531	16.34	1185.875	0	0	1169.531	15.72	1185.33	0.26	0.937
6	S-002D	RT-003	5	7	J3	JPW9	1 90/10PVC	81.4	68.132	0.35	0.385	1.822	6.5991	122.08	0.35	0.3853	1169.531	16.34	1185.975	0	0	1167.32	18.17	1185.49	0	0
7	S-002D	RT-003	7	8	JPW9	PWD9	50/10HDPE	44	36.418	0.343	0.007	0.521	1.874	1.19	0.342	0.0072	1167.32	18.17	1185.49	0	0	1167.32	18.16	1185.484	0.521	1.874
8	S-002D	RT-004	7	9	JPW9	J4	2 90/10PVC	81.4	57.582	0.25	0.002	1.301	4.6851	1.16	0.25	0.002	1167.32	18.17	1185.49	0	0	1167.32	18.17	1185.488	0	0
9	S-002D	RT-004	9	10	J4	J5	1 63/10PVC	57	44.503	0.306	0.497	0.781	2.811	136.31	0.306	0.4967	1167.32	18.17	1185.488	0	0	1167.296	17.7	1184.993	0	0
10	S-002D	RT-004	10	11	J5	PWD2	50/10HDPE	44	36.418	0.343	0.074	0.521	1.874	12.23	0.342	0.0743	1167.296	17.7	1184.993	0	0	1167.312	17.61	1184.92	0.521	1.874
11	S-002D	RT-005	10	12	J5	PW1	40/10HDPE	35.2	25.751	0.268	1.199	0.26	0.937	233.67	0.267	1.1995	1167.296	17.7	1184.993	0	0	1163.902	19.89	1183.792	0.26	0.937
12	S-002D	RT-006	9	13	J4	PWD3	50/10HDPE	44	36.418	0.343	0.862	0.521	1.874	142	0.342	0.8621	1167.32	18.17	1185.488	0	0	1166.318	18.31	1184.626	0.521	1.874
13	S-002D	RT-007	2	14	J1	J6	2 90/10PVC	81.4	44.603	0.15	0.02	0.781	2.811	29.94	0.15	0.0197	1171.48	15.44	1186.924	0	0	1171.573	15.33	1186.904	0	0
14	S-002D	RT-007	14	15	J6	PW6	40/10HDPE	35.2	25.751	0.268	2.539	0.26	0.937	494.7	0.267	2.5394	1171.573	15.33	1186.904	0	0	1171.775	12.59	1184.364	0.26	0.937
15	S-002D	RT-008	14	16	J6	JPW8	1 90/10PVC	81.4	36.418	0.1	0.588	0.521	1.874	1922.03	0.1	0.5975	1171.573	15.33	1186.904	0	0	1173.999	12.31	1186.307	0	0
16	S-002D	RT-008	16	17	JPW8	PW8	32/10HDPE	27.4	25.752	0.442	0.081	0.26	0.937	3.37	0.441	0.0612	1173.999	12.31	1186.307	0	0	1173.853	12.4	1186.252	0.26	0.937
17	S-002D	RT-009	16	18	JPW8	PW7	63/10PVC	57	25.751	0.102	0.544	0.26	0.937	1139.47	0.102	0.544	1173.999	12.31	1186.307	0	0	1173.248	12.52	1185.763	0.26	0.937

S-003 MABAMA

Hydraulic Calculation for Distribution Line

PL No.	NT No.	RT No.	Pipe Line								Node From						Node To										
			Node To	Station From	Station To	Junction	Pipe	Dia. (mm)	Dia. Calc. (mm)	V (m/sec)	Loss (m)	A. Q (l/sec)	A. Q (m3/h)	Frpe Length	A. V (m/sec)	A. Loss (m)	Alt.	A. EH. (m)	A. WL. (m)	Alt.	A. Q (l/sec)	A. Q (m3/h)	A. EH. (m)	A. WL. (m)	Alt.	A. Q (l/sec)	A. Q (m3/h)
1	S-003D	RT-001	21	21	J1		216	GP-M	154.4	133.23	0.372	0.031	6.967	25.08	18.67	0.372	0.0308	1158.65	15.5	1174.15	-6.97	-25.079	1158.65	15.47	1174.19	0	0
2	S-003D	RT-001	3	3	J1	JPW1	160	10PVC	147.6	130.16	0.389	0.464	6.65	23.94	292.23	0.389	0.4638	1158.65	15.47	1174.19	0	0	1158.65	15.47	1174.19	0	0
3	S-003D	RT-002	4	4	JPW1	PW1	40	10HDPE	35.2	28.404	0.326	0.004	0.317	1.14	0.6	0.325	0.0044	1158.65	14.85	1173.655	0	0	1158.65	14.84	1173.648	0.317	1.14
4	S-003D	RT-002	5	5	JPW1	JPW2	160	10PVC	147.6	127.03	0.371	1.05	6.333	22.8	624.89	0.371	1.0497	1158.807	14.85	1173.655	0	0	1158.807	14.85	1173.655	0	0
5	S-003D	RT-002	6	6	JPW2	PW2	40	10HDPE	35.2	28.404	0.326	0.004	0.317	1.14	0.6	0.325	0.0044	1158.807	14.85	1173.655	0	0	1158.807	14.85	1173.655	0	0
6	S-003D	RT-003	7	7	JPW2	JPW3	160	10PVC	147.6	123.81	0.352	2.532	6.017	21.66	1657.33	0.352	2.532	1158.824	16.98	1172.605	0	0	1158.824	16.97	1172.598	0.317	1.14
7	S-003D	RT-003	8	8	JPW3	PW3	40	10HDPE	35.2	28.404	0.326	0.004	0.317	1.14	0.6	0.325	0.0044	1158.824	16.98	1172.605	0	0	1158.824	16.98	1172.605	0	0
8	S-003D	RT-004	9	9	JPW3	J2	160	10PVC	147.6	120.51	0.333	0.176	5.7	20.52	126.96	0.333	0.1755	1146.198	23.88	1170.074	0	0	1147.245	22.65	1169.898	0	0
9	S-003D	RT-004	10	10	J2	PW4	40	10HDPE	35.2	28.404	0.326	0.296	0.317	1.14	40.06	0.325	0.2956	1147.245	22.65	1169.898	0	0	1147.245	22.65	1169.898	0	0
10	S-003D	RT-005	11	11	J2	J3	210	10PVC	147.6	117.11	0.415	0.025	5.383	19.38	19.78	0.415	0.0246	1147.245	22.65	1169.898	0	0	1147.245	22.65	1169.898	0	0
11	S-003D	RT-005	12	12	J3	J4	110	10PVC	101.6	94.206	0.43	0.558	3.483	12.54	163.86	0.43	0.5581	1147.245	22.65	1169.898	0	0	1147.245	22.65	1169.898	0	0
12	S-003D	RT-005	13	13	J4	JPW12	190	10PVC	81.4	69.576	0.365	0.22	1.9	6.84	64.5	0.365	0.22	1148.712	20.6	1169.315	0	0	1148.502	20.59	1169.097	0	0
13	S-003D	RT-005	14	14	JPW12	PW12	40	10HDPE	35.2	28.404	0.326	0.004	0.317	1.14	0.6	0.325	0.0044	1148.502	20.59	1169.097	0	0	1148.502	20.59	1169.097	0	0
14	S-003D	RT-006	15	15	JPW12	J5	190	10PVC	81.4	63.514	0.304	0.107	1.583	5.7	44.03	0.304	0.1072	1148.502	20.59	1169.097	0	0	1148.489	20.5	1168.989	0	0
15	S-003D	RT-006	16	16	J5	J6	150	10HDPE	44	40.169	0.417	1.32	0.633	2.28	151.29	0.417	1.3202	1148.489	20.5	1168.989	0	0	1147.922	19.75	1167.672	0	0
16	S-003D	RT-006	17	17	J6	PW13	40	10HDPE	35.2	28.404	0.326	0.524	0.317	1.14	71.08	0.325	0.5244	1147.922	19.75	1167.672	0	0	1147.922	19.75	1167.672	0	0
17	S-003D	RT-007	18	18	J6	PW14	40	10HDPE	35.2	28.404	0.326	0.791	0.317	1.14	107.22	0.325	0.7911	1147.922	19.75	1167.672	0	0	1148.488	18.38	1166.882	0.317	1.14
18	S-003D	RT-008	19	19	J7	JPW20	163	10PVC	57	40.169	0.248	6.311	0.633	2.28	255.11	0.248	6.3106	150.244	17.81	1168.052	0	0	1155.152	6.59	1161.742	0	0
19	S-003D	RT-008	20	20	JPW20	PW20	40	10HDPE	35.2	28.404	0.326	0.004	0.317	1.14	0.6	0.325	0.0044	1155.152	6.59	1161.742	0	0	1155.152	6.593	1161.735	0.317	1.14
20	S-003D	RT-009	21	21	JPW20	PW21	40	10HDPE	35.2	28.404	0.326	2.162	0.317	1.14	883.13	0.208	2.1619	1155.152	6.59	1161.742	0	0	1151.311	6.269	1159.58	0.317	1.14
21	S-003D	RT-010	15	15	J5	J7	190	10PVC	57	49.197	0.372	0.34	0.95	3.42	179.46	0.372	0.3399	1148.489	20.5	1168.989	0	0	1150.244	17.81	1168.052	0	0
22	S-003D	RT-010	19	19	J7	PW15	40	10HDPE	35.2	28.404	0.326	0.355	0.317	1.14	48.15	0.325	0.3552	1150.244	17.81	1168.052	0	0	1150.244	17.45	1167.698	0.317	1.14
23	S-003D	RT-011	12	12	J4	JPW9	190	10PVC	81.4	63.514	0.304	0.531	1.583	5.7	218.11	0.304	0.5309	1148.712	20.6	1169.315	0	0	1149.412	19.37	1168.784	0	0
24	S-003D	RT-011	24	24	JPW9	PW9	40	10HDPE	35.2	28.404	0.326	0.004	0.317	1.14	0.6	0.325	0.0044	1148.712	20.6	1169.315	0	0	1148.412	19.37	1168.784	0	0
25	S-003D	RT-012	24	24	JPW9	J8	163	10PVC	57	58.808	0.497	0.035	1.267	4.56	3.98	0.496	0.0355	1149.412	19.37	1168.784	0	0	1148.967	19.78	1168.749	0	0
26	S-003D	RT-012	26	26	J8	J9	263	10PVC	57	49.197	0.372	0.19	0.95	3.42	36.19	0.372	0.1895	1148.967	19.78	1168.749	0	0	1150.17	18.39	1168.56	0	0
27	S-003D	RT-012	27	27	J9	PWD10	50	10HDPE	44	40.169	0.417	0.662	0.633	2.28	75.81	0.417	0.6615	1150.17	18.39	1168.56	0	0	1150.403	17.49	1167.897	0.633	2.28
28	S-003D	RT-013	27	27	J9	PW11	40	10HDPE	35.2	28.404	0.326	1.652	0.317	1.14	223.92	0.325	1.652	1150.17	18.39	1168.56	0	0	1149.282	17.63	1166.907	0.317	1.14
29	S-003D	RT-014	26	26	J8	PW8	40	10HDPE	35.2	28.404	0.326	2.12	0.317	1.14	287.39	0.325	2.1203	1148.967	19.78	1168.749	0	0	1148.916	19.72	1166.631	0.317	1.14
30	S-003D	RT-015	11	11	J3	JPW5	190	10PVC	81.4	69.576	0.365	0.943	1.9	6.84	276.52	0.365	0.943	1147.245	22.65	1169.898	0	0	1147.388	21.54	1168.929	0	0
31	S-003D	RT-015	31	31	JPW5	PW5	40	10HDPE	35.2	28.404	0.326	0.004	0.317	1.14	0.6	0.325	0.0044	1147.388	21.54	1168.929	0	0	1147.388	21.53	1168.921	0.317	1.14
32	S-003D	RT-016	31	31	JPW5	JPW6	190	10PVC	81.4	63.514	0.304	0.628	1.583	5.7	258.11	0.304	0.6282	1147.388	21.54	1168.929	0	0	1145.399	22.9	1168.301	0	0
33	S-003D	RT-016	33	33	JPW6	PW6	40	10HDPE	35.2	28.404	0.326	0.004	0.317	1.14	0.6	0.325	0.0044	1145.399	22.9	1168.301	0	0	1145.399	22.89	1168.293	0.317	1.14
34	S-003D	RT-017	33	33	JPW6	JPW7	163	10PVC	57	58.808	0.497	1.814	1.267	4.56	203.37	0.496	1.8135	1145.399	22.9	1168.301	0	0	1144.156	22.33	1166.491	0	0
35	S-003D	RT-017	35	35	JPW7	PW7	40	10HDPE	35.2	28.404	0.326	0.004	0.317	1.14	0.6	0.325	0.0044	1144.156	22.33	1166.491	0	0	1144.156	22.33	1166.493	0.317	1.14
36	S-003D	RT-018	37	37	JPW7	PW16	163	10PVC	57	49.197	0.372	1.344	0.95	3.42	256.64	0.372	1.3441	1144.156	22.33	1166.491	0	0	1145.733	19.41	1165.145	0	0
37	S-003D	RT-018	37	37	JPW7	PW16	40	10HDPE	35.2	28.404	0.326	0.004	0.317	1.14	0.6	0.325	0.0044	1145.733	19.41	1165.145	0	0	1145.733	19.41	1165.145	0	0
38	S-003D	RT-019	37	37	JPW16	PWD17	50	10HDPE	44	40.169	0.417	3.181	0.633	2.28	384.56	0.417	3.1813	1145.733	19.41	1165.145	0	0	1145.325	18.63	1161.96	0.633	2.28
39	S-003D	RT-020	2	2	J1	PW18	40	10HDPE	35.2	28.404	0.326	3.594	0.317	1.14	487.14	0.325	3.594	1158.65	15.47	1174.19	0	0	1160.327	10.2	1170.526	0.317	1.14

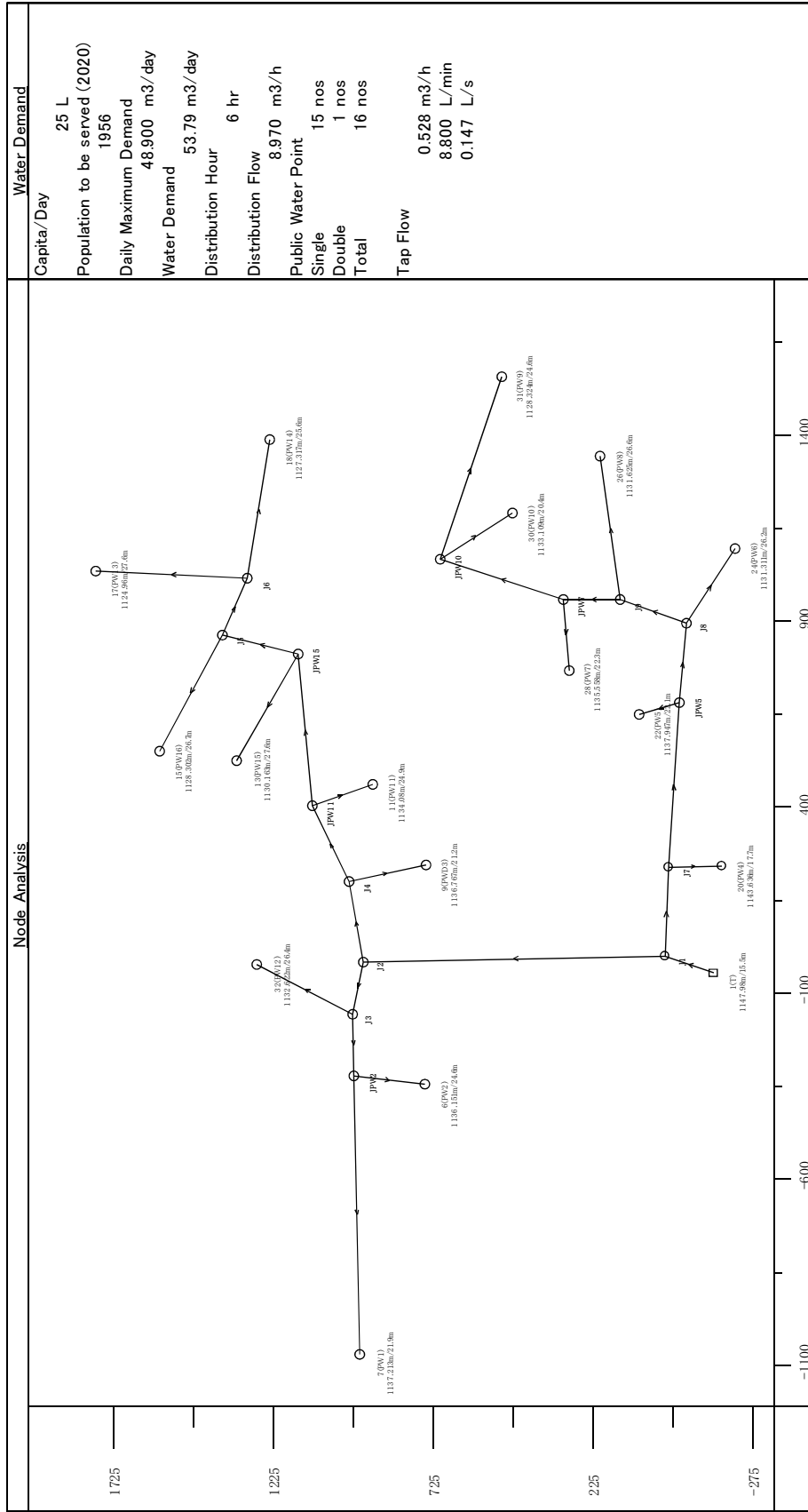
Hydraulic Calculation for Distribution Line

S-004 KAKOLA

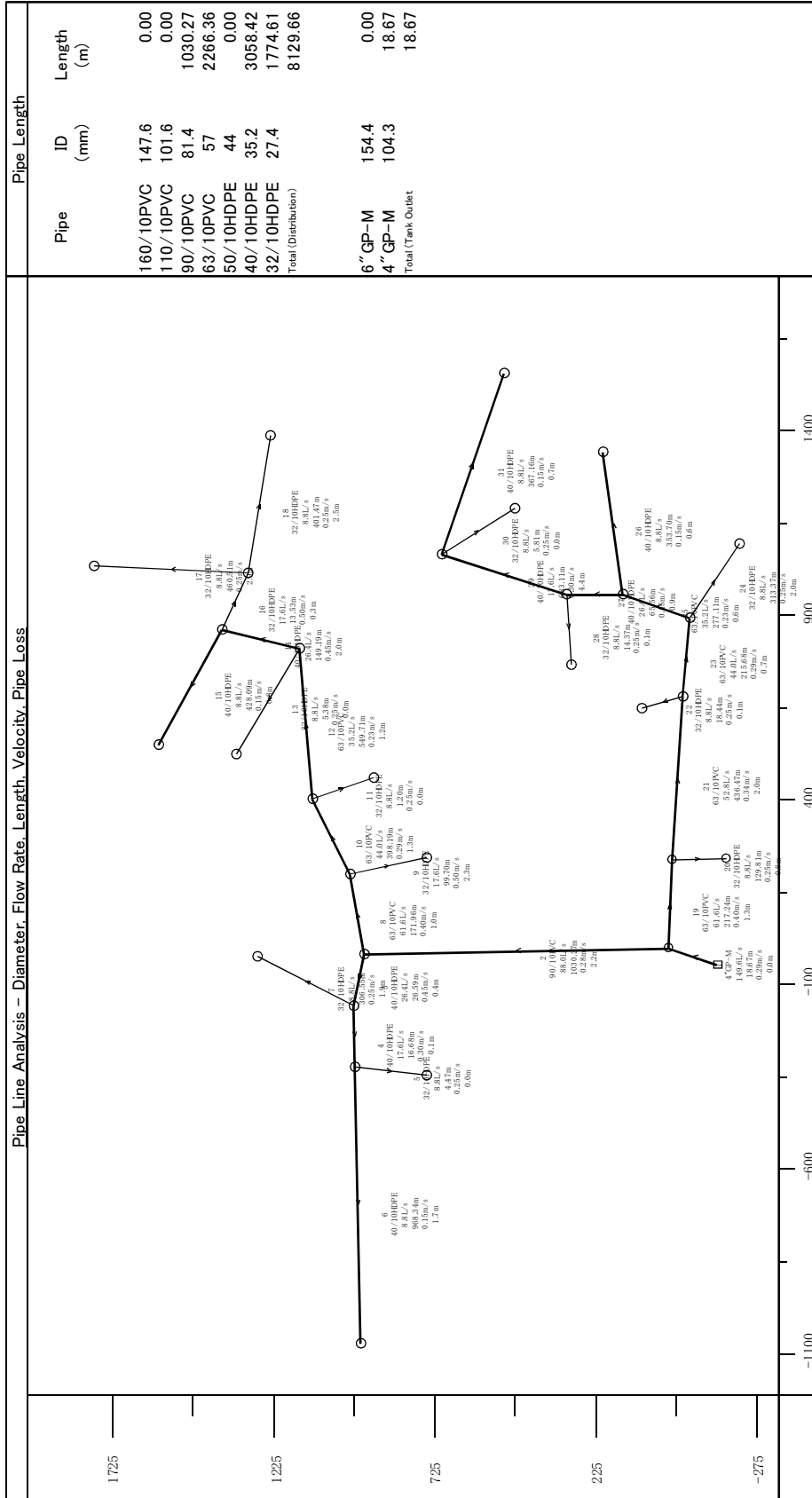
Pl. No.	NT No.	RT No.	Pipe Line										Node From					Node To								
			Station To	Station From	Station	Valve	Pipe	Dia. (mm)	Dia Calc. (mm)	V (m/sec)	Loss (m)	A. Q (l/sec)	A. Q (m ³ /h)	Length	A. V (m/sec)	A. Loss (m)	Alt.	A. EH. (m)	A. WL. (m)	A. Q (l/sec)	A. Q (m ³ /h)	Alt.	A. EH. (m)	A. WL. (m)	A. Q (l/sec)	A. Q (m ³ /h)
1	S-004D	RT-001	J1	21	21	21	216" GP-M	154.4	98.332	0.203	0.01	3.795	13.663	18.67	0.203	0.01	1199.11	15.5	1214.61	-3.79	-13.661	1194.12	20.48	1214.6	0	0
2	S-004D	RT-001	J2	31	31	31	2110/10PVC	101.6	91.985	0.41	1.006	3.321	11.956	322.52	0.41	1.0057	1194.12	20.48	1214.6	0	0	1189.457	24.14	1213.593	0	0
3	S-004D	RT-001	JPW4	4	4	4	190/10PVC	81.4	65.043	0.319	0.81	1.661	3.9778	304.9	0.319	0.8104	1189.457	24.14	1213.593	0	0	1189.457	23.32	1212.782	0	0
4	S-004D	RT-002	JPW4	4	5	5	32/10HDPE	27.4	24.584	0.403	0.009	0.237	0.854	0.6	0.402	0.0092	1189.457	23.32	1212.782	0	0	1188.548	24.22	1212.767	0.237	0.854
5	S-004D	RT-002	J3	6	6	6	290/10PVC	81.4	60.218	0.274	0.041	1.423	5.1239	20.556	0.274	0.0411	1189.457	23.32	1212.782	0	0	1188.942	23.8	1212.74	0	0
6	S-004D	RT-002	JPW2	6	11	11	140/10HDPE	35.2	34.767	0.488	3.364	0.474	1.7079	215.85	0.488	3.3642	1188.942	23.8	1212.74	0	0	1190.199	19.17	1209.373	0	0
7	S-004D	RT-002	JPW2	6	12	12	40/10HDPE	27.4	24.584	0.403	0.009	0.237	0.854	0.6	0.402	0.0092	1190.199	19.17	1209.373	0	0	1190.199	19.16	1209.358	0.237	0.854
8	S-004D	RT-003	PW1	13	13	13	40/10HDPE	35.2	24.584	0.244	3.378	0.237	0.854	781.36	0.244	3.3781	1190.199	19.17	1209.373	0	0	1195.964	10.03	1205.927	0.237	0.854
9	S-004D	RT-004	J4	7	7	7	263/10PVC	57	49.168	0.372	1.68	0.949	3.4159	321.51	0.372	1.6801	1188.942	23.8	1212.74	0	0	1182.07	28.99	1211.057	0	0
10	S-004D	RT-004	JPW3	7	8	8	150/10HDPE	44	42.581	0.468	1.6	0.712	2.5619	147.75	0.468	1.5996	1182.07	28.99	1211.057	0	0	1182.385	27.07	1209.455	0	0
11	S-004D	RT-004	PW3	8	9	9	32/10HDPE	27.4	24.584	0.403	0.009	0.237	0.854	0.6	0.402	0.0092	1182.385	27.07	1209.455	0	0	1182.385	27.05	1209.44	0.237	0.854
12	S-004D	RT-005	PW9	7	14	14	40/10HDPE	35.2	24.584	0.244	0.627	0.237	0.854	144.95	0.244	0.6267	1182.07	28.99	1211.057	0	0	1182.385	28.05	1210.43	0.237	0.854
13	S-004D	RT-006	JPW14	3	15	15	190/10PVC	81.4	65.043	0.319	0.621	1.661	5.9778	233.81	0.319	0.6215	1189.457	24.14	1213.593	0	0	1186.603	26.37	1212.971	0	0
14	S-004D	RT-006	JPW14	3	16	16	32/10HDPE	27.4	24.584	0.403	0.009	0.237	0.854	0.6	0.402	0.0092	1186.603	26.37	1212.971	0	0	1186.603	26.35	1212.955	0.237	0.854
15	S-004D	RT-007	J5	17	17	17	290/10PVC	81.4	60.218	0.274	0.261	1.423	5.1239	130.67	0.273	0.2611	1186.603	26.37	1212.971	0	0	1187.32	25.39	1212.709	0	0
16	S-004D	RT-007	PMD15	17	18	18	40/10HDPE	35.2	34.767	0.488	3.058	0.474	1.7079	186.21	0.488	3.0581	1187.32	25.39	1212.709	0	0	1192.89	16.76	1209.654	0.474	1.708
17	S-004D	RT-008	PW13	17	19	19	40/10HDPE	35.2	24.584	0.244	0.728	0.237	0.854	168.45	0.244	0.7283	1187.32	25.39	1212.709	0	0	1186.981	25	1211.983	0.237	0.854
18	S-004D	RT-009	J6	20	20	20	250/10HDPE	44	42.581	0.468	1.242	0.712	2.5619	114.68	0.468	1.2416	1187.32	25.39	1212.709	0	0	1184.227	27.24	1211.464	0	0
19	S-004D	RT-009	JPW10	17	20	20	40/10HDPE	35.2	24.584	0.244	0.584	0.237	0.854	135.04	0.244	0.5838	1184.227	27.24	1211.464	0	0	1182.876	28	1210.88	0.237	0.854
20	S-004D	RT-010	J6	22	22	22	40/10HDPE	35.2	34.767	0.488	1.642	0.474	1.7079	105.32	0.488	1.6415	1184.227	27.24	1211.464	0	0	1182.847	26.96	1209.827	0	0
21	S-004D	RT-010	JPW11	22	23	23	32/10HDPE	27.4	24.584	0.403	0.009	0.237	0.854	0.6	0.402	0.0092	1182.847	26.96	1209.827	0	0	1182.847	26.96	1209.812	0.237	0.854
22	S-004D	RT-011	JPW12	22	24	24	40/10HDPE	35.2	24.584	0.244	5.13	0.237	0.854	1186.62	0.244	5.1302	1182.847	26.96	1209.827	0	0	1187.645	17.05	1204.695	0.237	0.854
23	S-004D	RT-012	JPW5	2	25	25	190/10PVC	81.4	34.767	0.091	0.201	0.474	1.708	769.17	0.091	0.2014	1194.12	20.48	1214.6	0	0	1199.918	14.48	1214.398	0	0
24	S-004D	RT-013	PW5	25	26	26	32/10HDPE	27.4	24.584	0.403	0.009	0.237	0.854	0.6	0.402	0.0092	1199.918	14.48	1214.398	0	0	1199.918	14.47	1214.383	0.237	0.854
25	S-004D	RT-014	JPW6	25	27	27	63/10PVC	57	24.584	0.093	0.215	0.237	0.854	533.96	0.093	0.2147	1199.918	14.48	1214.398	0	0	1207.54	6.644	1214.184	0.237	0.854
26	S-004D	RT-015	JPW7	8	28	28	150/10HDPE	44	34.767	0.312	1.103	0.474	1.7079	2136.32	0.312	1.1026	1182.385	27.07	1209.455	0	0	1160.35	38.08	1198.43	0	0
27	S-004D	RT-015	JPW7	8	29	29	32/10HDPE	27.4	24.584	0.403	0.009	0.237	0.854	0.6	0.402	0.0092	1160.35	38.08	1198.43	0	0	1160.35	38.08	1198.415	0.237	0.854
28	S-004D	RT-016	JPW8	28	10	10	50/10HDPE	44	24.584	0.156	1.184	0.237	0.854	834.91	0.156	1.1843	1160.35	38.08	1198.43	0	0	1169.29	27.96	1197.246	0.237	0.854

Hydraulic Calculation Sheet

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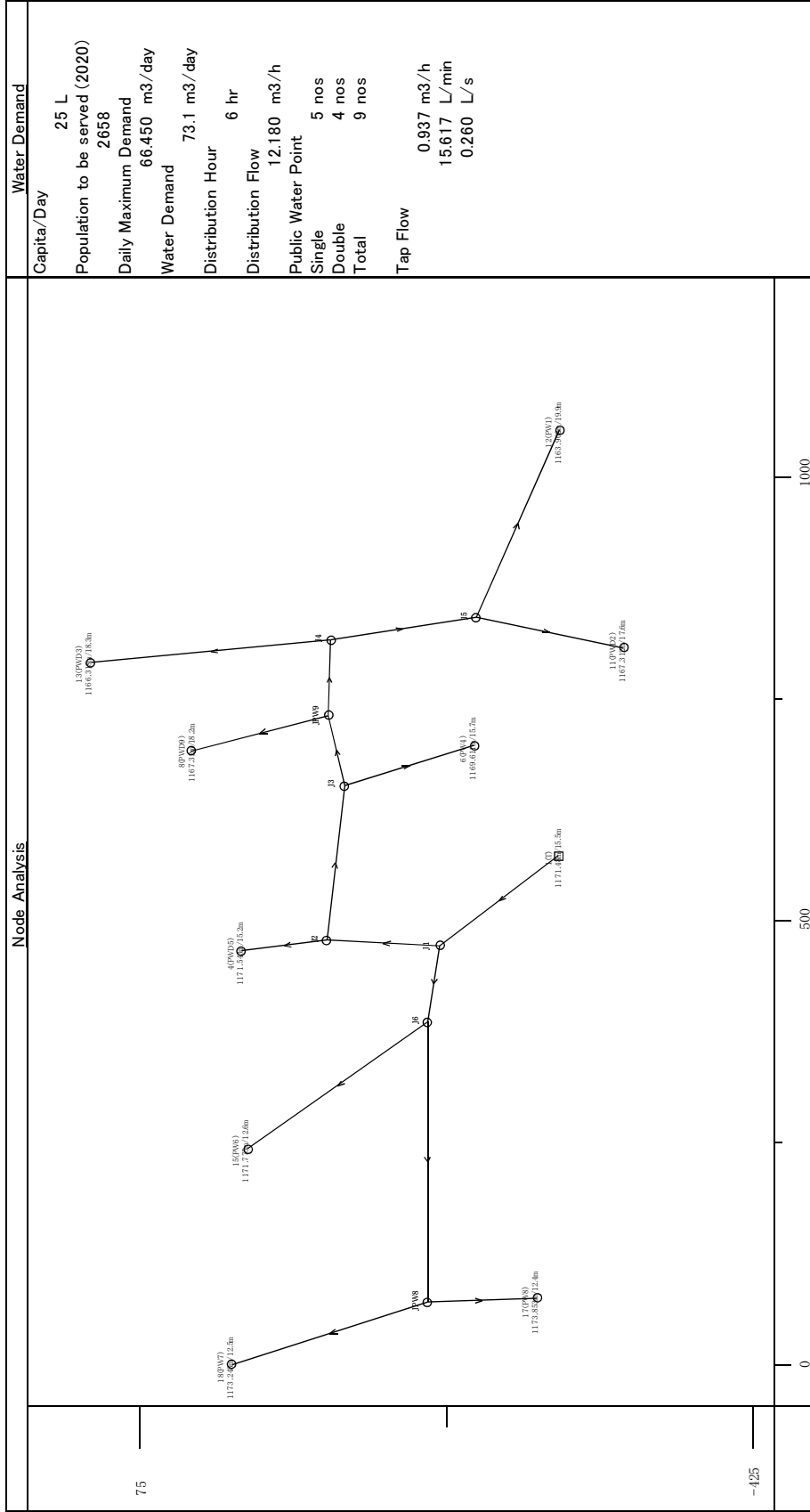


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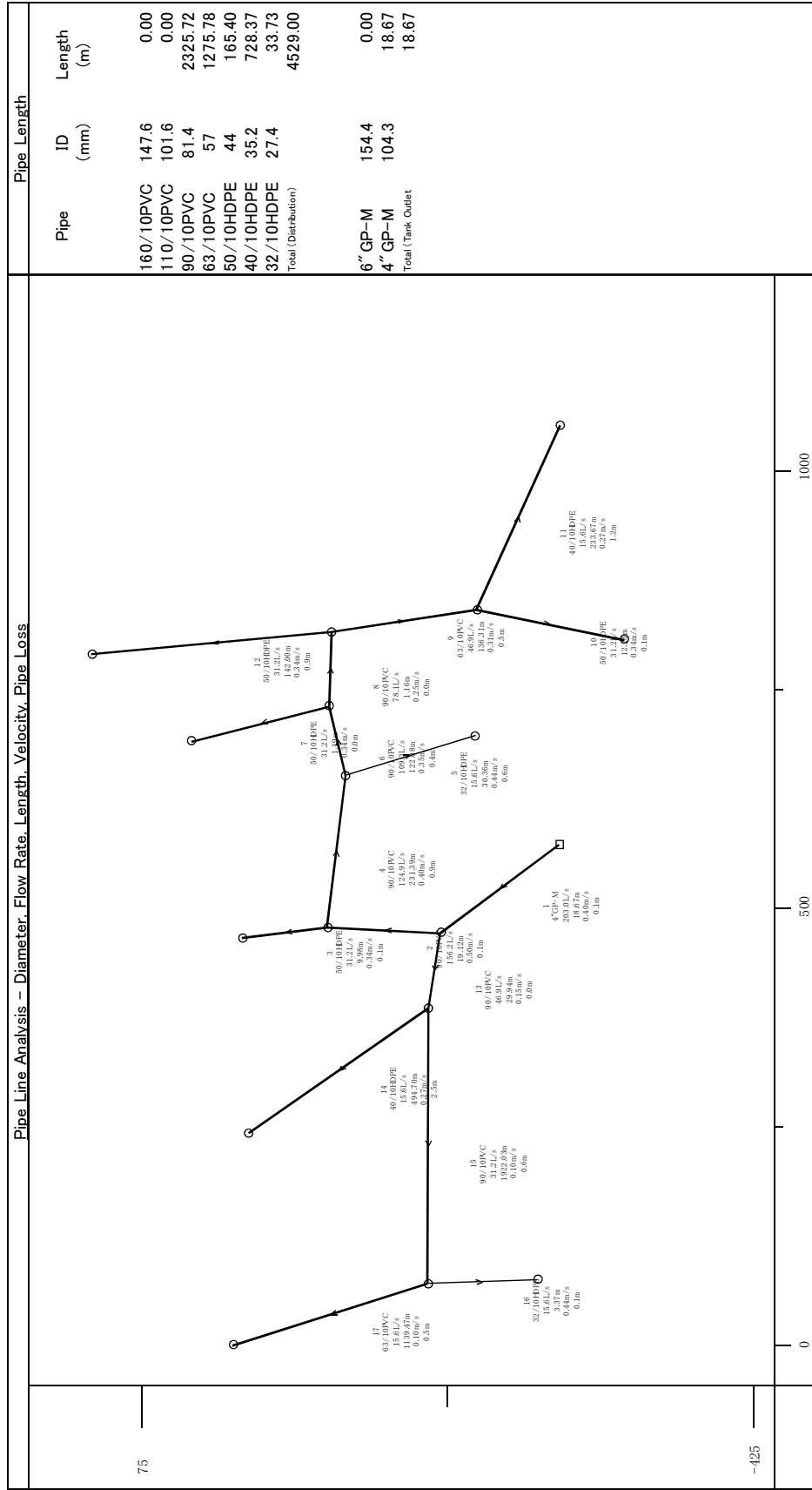
Hydraulic Calculation Sheet

System: S-002 Mpumbuli



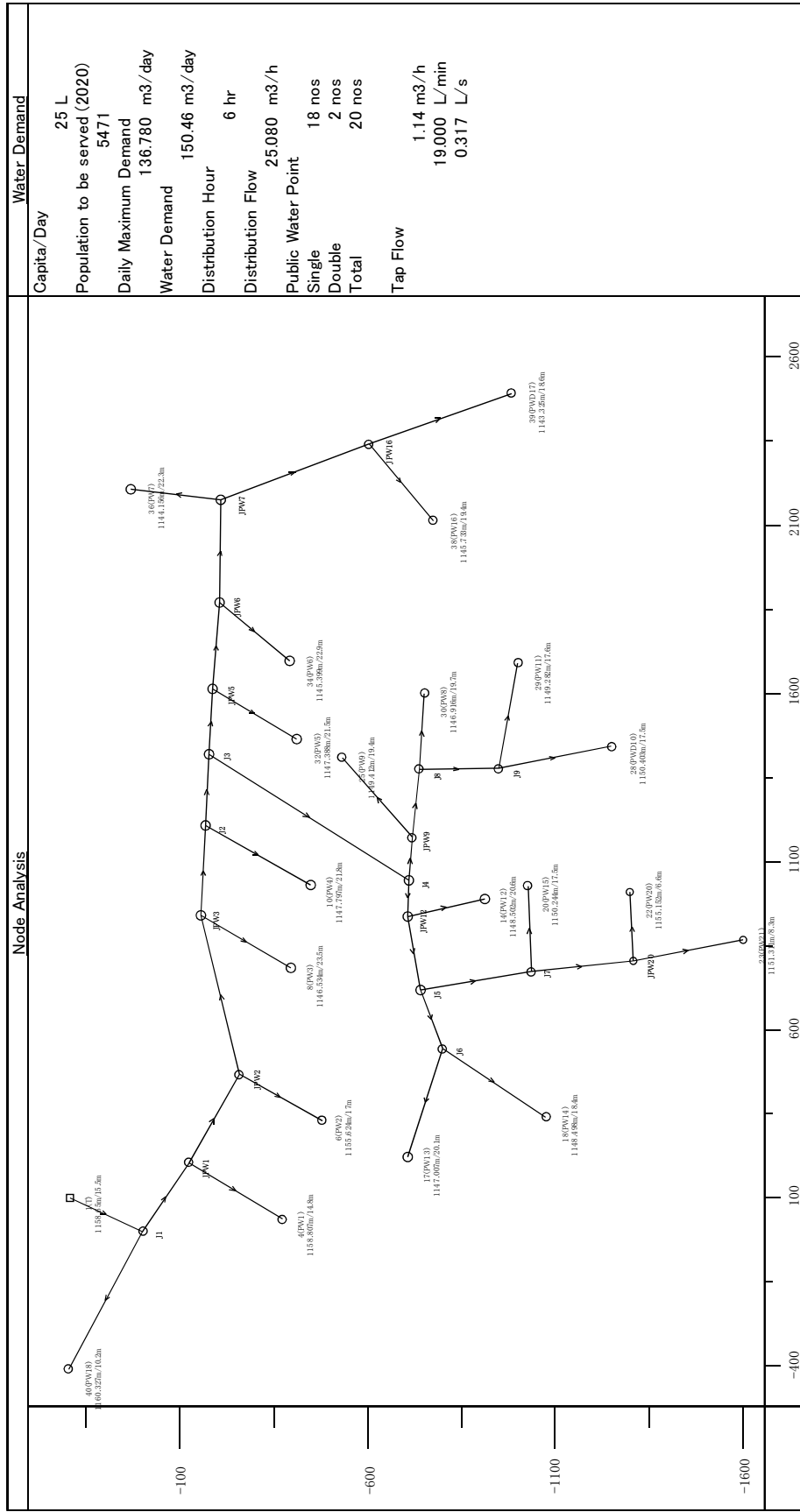
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Hydraulic Calculation Sheet



Hydraulic Calculation Sheet

System: S-003 Mabama



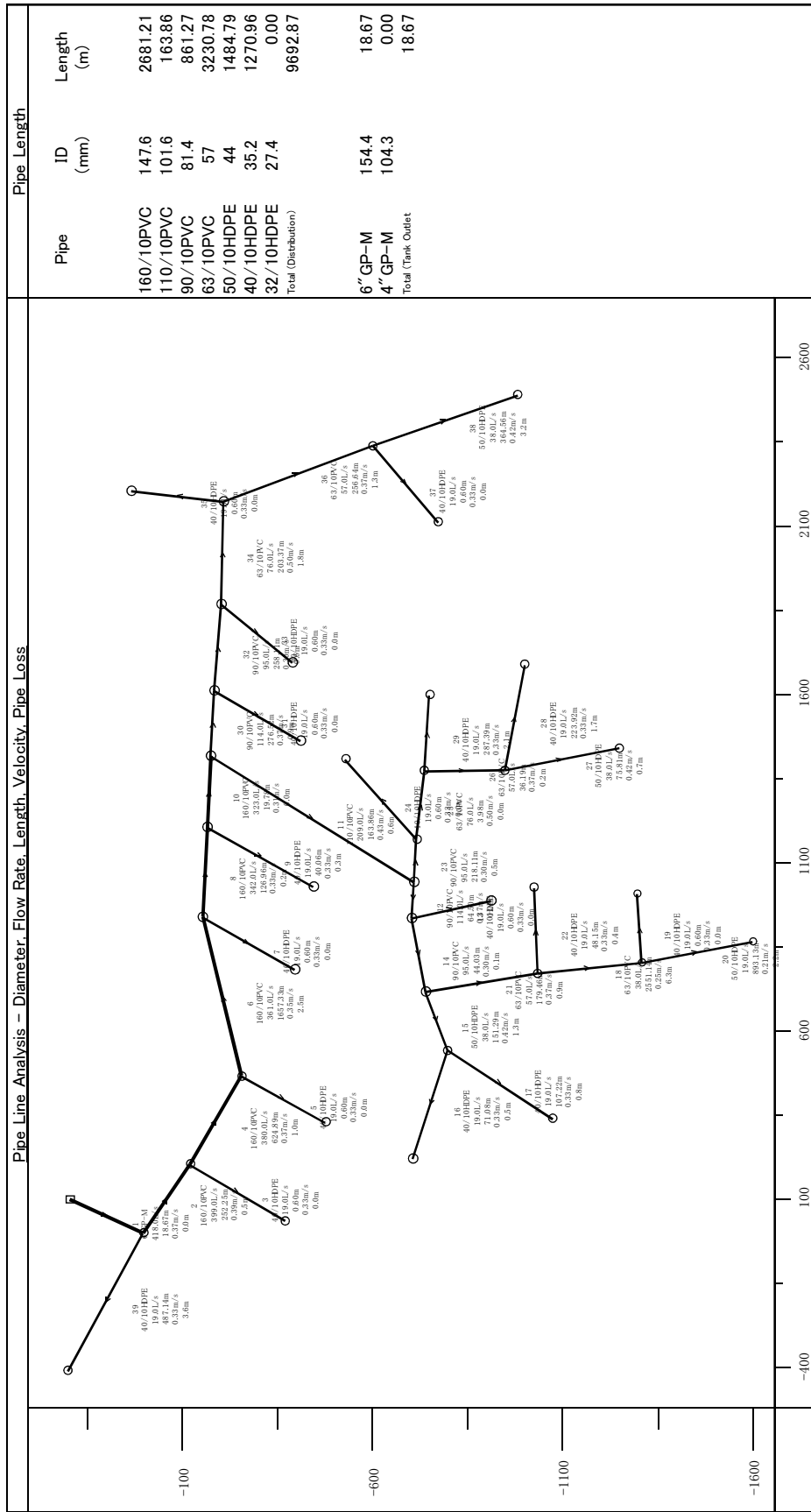
Node Analysis

Water Demand

Capita./Day	25 L
Population to be served (2020)	5471
Daily Maximum Demand	136780 m ³ /day
Water Demand	150.46 m ³ /day
Distribution Hour	6 hr
Distribution Flow	25080 m ³ /h
Public Water Point	18 nos
Single	2 nos
Double	20 nos
Total	
Tap Flow	1.14 m ³ /h
	19000 L/min
	0.317 L/s

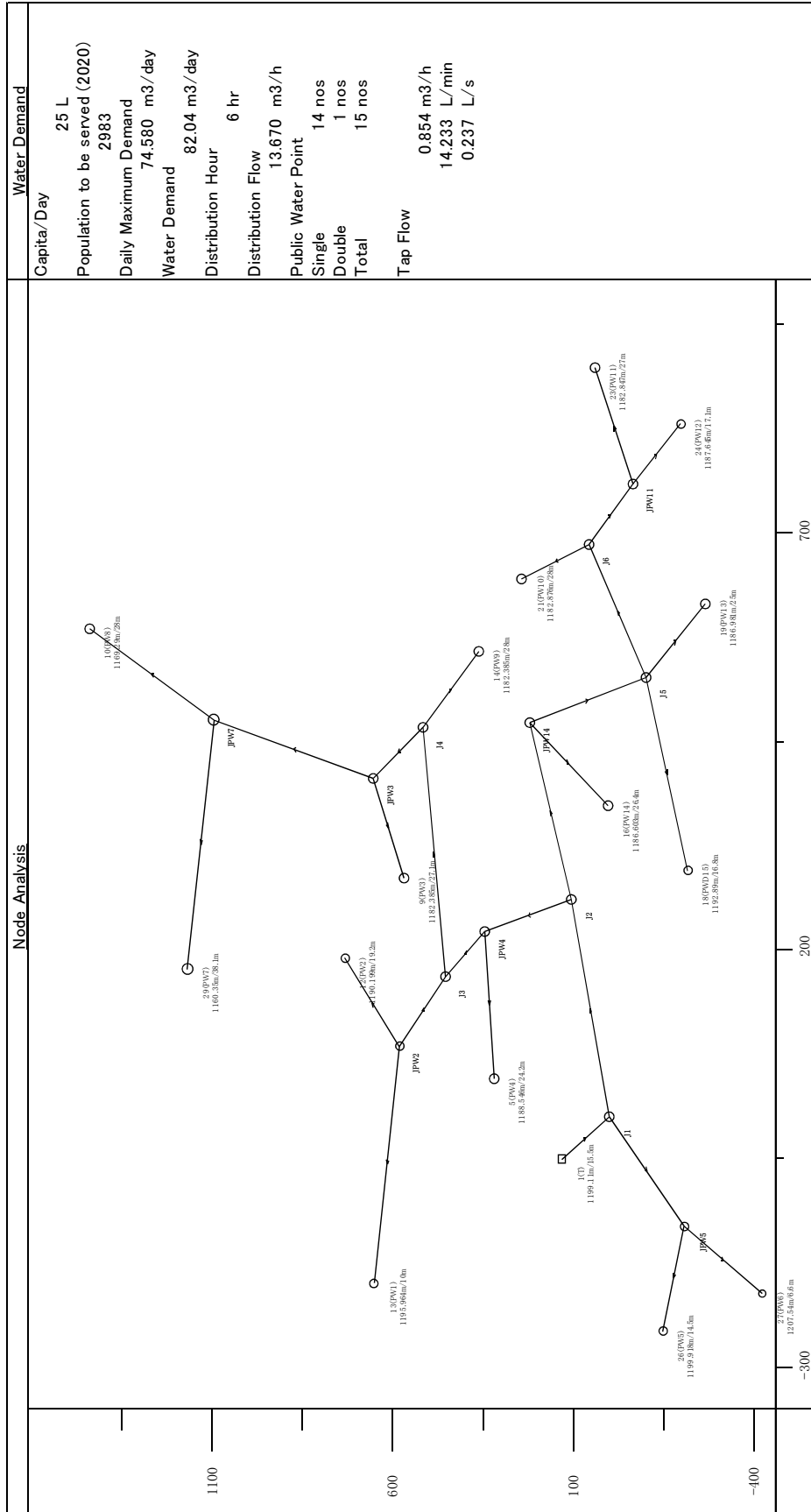
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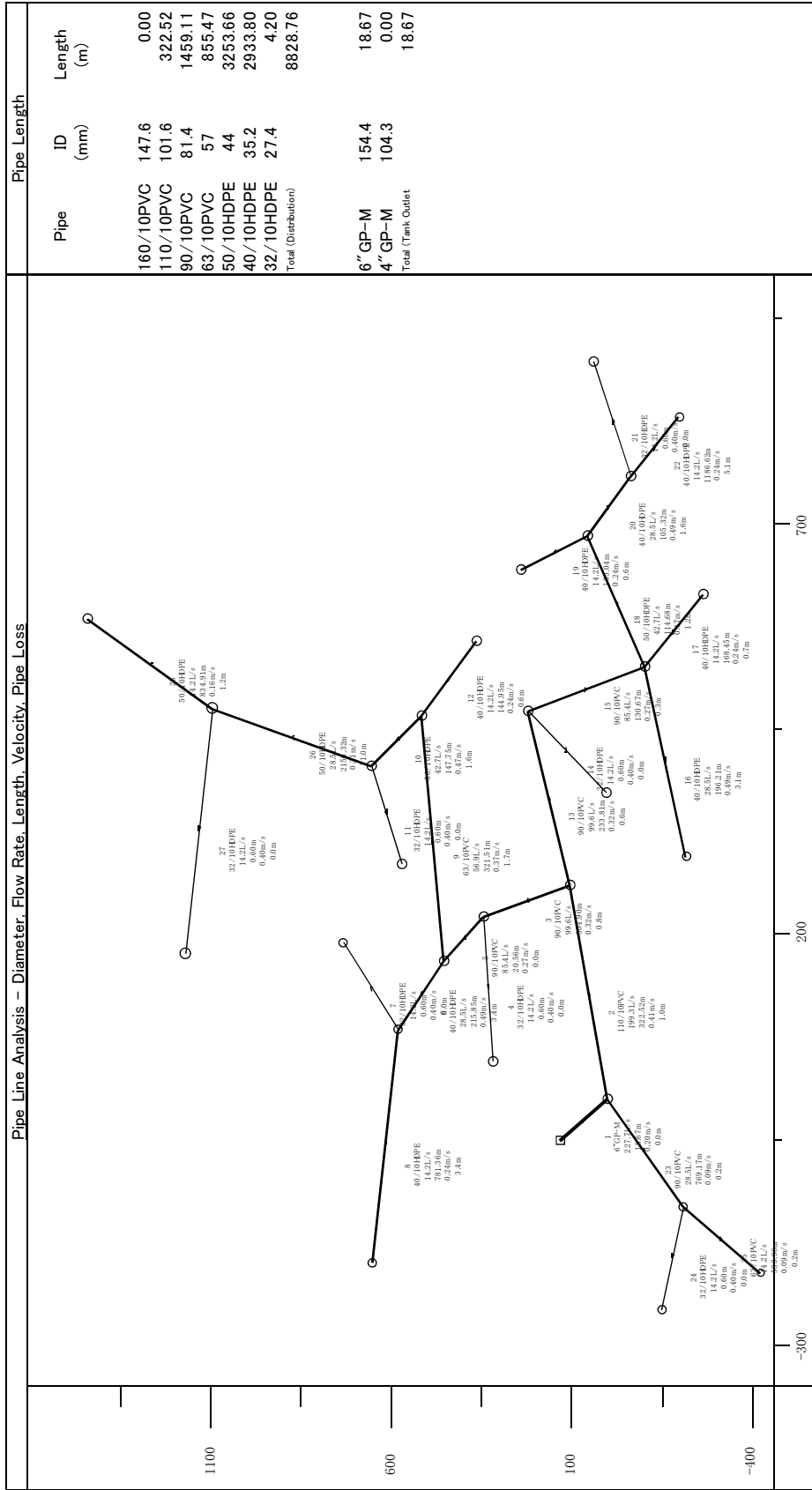
Hydraulic Calculation Sheet

System: S-004 Kakola



Hydraulic Calculation Sheet

System: S-004 Kakola



データ集 G
環境社会配慮資料

環境社会配慮資料

No.1: IEE Implemented by District Officers in Tabora Districts Environmental Impact Review for Installation of Village Water Supply Facility

No.2: Screening Form for Water Projects under WSDP

No.3: An Example of Environmental and Social Management Checklist and Monitoring Plan for Category C

No.4: Projects Requiring EIA - Mandatory List

No.5: Projects (Small-Scale Activities and Enterprises) That May or May Not Require EIA.

**IEE Implemented by District Officers in Tabora Districts
Environmental Impact Review for Installation of Village Water Supply Facility**

District Name	Answerer's Name	Answerer's Position	Hearing Date	Venue
Igunga	Mr. Gaston Robert Ntulo	District Water Engineer	February 24, 2010	Igunga District Office
Nzega	Mr. Epaphra, Kessy	Environmental Management Officer	February 25, 2010	Nzega District Water Engineers Office
Tabora Rural	Mr. Faustine K. Maisango	Acting District Water Engineer	February 19, 2010	District Forest Officer's Office
	Mr. Paul Renatus	District Catchment Forestry Officer, Forest Department		
Tabora Urban	Mr. Wilson N. Subuya	Municipal Natural Resources Officer	February 19, 2010	Tabora Municipality Office
Urambo	Mr. Shadrack Wilson Yomba	District Environmental Officer/Fisheries officer	February 16, 2010	Urambo District Natural Resources Department Office
Sikonge	Eng. Paschal Ngunda	District Water Engineer	February 20, 2010	Sikonge District Water Engineer's Office
	Mr. Joafar Wibonella	Principal Technician		
	Mr. Madashi	Environment Officer		

Impact Assessment by Districts

S/N	Impacts on:	Igunga	Nzega	Tabora Rural	Tabora Urban	Urambo	Sikonge
Social Environment	1. Involuntary Resettlement	No	Nothing reported	No resettlement is expected by this project. If resettlement is necessary, it will be done under Tabora Regional Secretariat, in-line with the government guideline. Their houses, trees, and crops are evaluated in Tsh. District headquarters, in Isikizya, resettled residents according to this procedure.	No resettlement expected	No resettlement case has been exercised in Urambo District regarding installation of water supply facilities.	32 households are resettling for a new Ulyanya dam. They are from Kisanga and Lufwisi Villages. This is the project they requested. No resettlement expected for boreholes.
	2. Local economy such as employment and livelihood	Yes, there will be impact on vendors; however, they can easily go to other areas in Igunga District to sell water.	Positive impact.	nil	There is no water vendors in the village	No economic impacts have been observed to Urambo Community as a result of placement of water facilities.	Ulyanya Dam will contribute local economy as irrigation water supply.
	3. Land use and utilization of local resources	Nil/No	No impact. Water vender is not selling only for drinking purpose but for other use.	nil	No impacts by water facility installation before. The boreholes are being made only in last two (2) years in Tabora Municipal.	No remarkable impact on land use and other utilization of local resources	No

S/N	Impacts on:	Igunga	Nzega	Tabora Rural	Tabora Urban	Urambo	Sikonge
4.	Local communities and decision-making institutions	No	Positive impact by revenue of water. No conflict reported	nil	No tribal conflict; No expectation of conflict	Not yet recognized any impact on community organization and decision making institutions. To date the District has not yet experienced any conflict between tribes/villages and decision makers. Absolutely no any conflict over new water resources is experienced to occur within the new village.	No
5.	Existing infrastructures and services	No	Not expected	No impact	No impact	Impacts are not yet observed.	No
6.	The poor/ indigenous/ ethnic minority/ women/ children	There can be positive impact. Women/children can do something else other than fetching.	Positive impact	nil	-	No conflicts have been noted over the tribes/villages against the poor/indigenous/ women/children over for new resources.	No
7.	Misdistribution of benefit and social cost	No	Positive impact	nil	-	No conflicts observed between tribes/villages and parties on the distribution of benefit and social cost in Urambo District. No new conflict over new water resources.	No

S/N	Impacts on:	Igunga	Nzega	Tabora Rural	Tabora Urban	Urambo	Sikonge
8.	Historical/ cultural heritage	No	Positive impact. Past chief buildings, which are located in Nzega township authority (Ushirika Area). There are no others.	Historical/Cultural site in Tabora Rural District are as follows. -Niemi Area (King's residence) in Bukumbi Ward -Freedom Fighters' Tower in Kigwa Village (Igalula Ward) -Slave trade truck in Igalula ward to Kizengi Ward	There are two (2) Forest Reserves in Tabora Municipal. 1) Igombe Forest reserve 2) Usumuwa Forest Reserve	1) Milambo historic site in center of Ulyankulu Village. This site was used by King Milambo during colonial rule. 2) Igwisi Hills, off Igwisi Village, is sacred area and it is a cultural heritage.	No
9.	Local conflict of interests	No	Nothing reported	No impact	-	Nothing	No
10.	Water usage, Water rights, Communal rights	No	There is no conflict	No dispute	No experience of any disputes	No	No
11.	Sanitation	-	Positive impact	No impact	-	No	No
12.	Health Hazards/Risk, Infectious Diseases such as HIV/AIDS	No, and if any, it will be very minimum.	-	No impact	Health problems like Typhoid in local areas. People are encouraged boil the water before drinking (existing condition).	Not yet observed	Insignificant impacts (teeth decay) by fluoride hazards in Kiule Division (Boundary of Singida Region).
13.	Important/ valuable geographical and geological features/ resources	No	Yes, there are such of them: Kilimi Dam, Uchama Dams, Karith Forest reserve, Igombe River Forest reserve, and Ilomero Hills Forest reserve.	No dispute	We have, but there is no impact by installation of water supply facilities.	No	No impact with regard to RWSSP. However, there are areas in which limestone is present in Sikonge ward.
14.	Soil erosion	-	-	No impact	-	No	Insignificant

Natural Environment

S/N	Impacts on:	Igunga	Nzega	Tabora Rural	Tabora Urban	Urambo	Sikonge
15.	Amount and quality of groundwater	No	Unknown	Boreholes provide sufficient quality of water, but water from dam is very low. Water is not contaminated by fluoride in Tabora Rural District. Never experienced water levels went down by over extracting water.	No experience	Not yet observed anywhere in Urambo District	No
16.	Amount of natural reservoir/ flow	No	No apparent impact in Nzega.	No impact. No conflict reported over surface water.	There are no many wells which affect surface flow. The conflict is between livestock keepers only (no conflicts by installation of the water supply facilities).	No effect on surface flow or lakes/reservoirs caused by wells in Urambo. No evidence of conflict over usage of surface water in Urambo District.	No significant
17.	Coastal zone	-	-	No impact	-	NA	-
18.	Flora, Fauna, Biodiversity	No	I expect positive impact for decreasing encroachment of people who fetch water in forest reserve area.	Construction of water supply facilities is restricted from forest reserve and game reserve. Building of facilities in these areas interferes with the natural environment of flora and fauna. Buffer zone around the reserve is 500m.	No installation allowed in the Forest Reserve. Installing any facility near the forest reserve may attract people to enter in the Forest Reserve area.	No apparent impacts on the protected areas if water supply facilities of small scale are built in a village outside of the area. Large scale projects are restricted in protected areas before entering full EIA.	-
19.	Meteorology/ climate	-	-	No impact	-	No	-

S/N	Impacts on:	Igunga	Nzega	Tabora Rural	Tabora Urban	Urambo	Sikonge
20.	Aesthetic landscape	-	No apparent impact	There are some changes in landscape, but it can't affect the project.	-	No	-
21.	Global warming	-	-	No impact	-	No	-
22.	Air pollution	No	-	No	-	No	-
23.	Water pollution	No	No apparent impact	No	-	No	-
24.	Soil contamination	No	Droplets of oil from heavy machineries may contaminate soil during construction, but it is negligible impact.	Not reported	-	No	-
25.	Solid waste amount increase	No	Positive impact. It reduces wastes by washing it by newly supplied water.	No	-	No	-
26.	Increase of noise and vibration	No	No complaints on generator noise in Nzega District.	Not reported	No complain.	No complains because generators are placed distant from people's settlement.	No such generators, hence no noise and therefore no complaints to this moment.
27.	Ground level subsidence	No	No apparent impact	No impact	-	No	-
28.	Offensive odor	No	No impact	No	-	Not yet noted anywhere	-
29.	Sedimentation	No	Minor impact during construction but insignificant	No	-	No	-
30	Increase of Accidents	No	No apparent impact	No	-	Not observed in Urambo District	-

SCREENING FORM FOR WATER PROJECTS UNDER WSDP

PART A: GENERAL INFORMATION

Project Name	Estimated Cost (TSh)
Project Site	Funding Agency
Project Objectives	Proposed Main Project Activities:
Name of Evaluator	Date of Field Appraisal

PART B: BRIEF DESCRIPTION OF THE PROPOSED ACTIVITIES

- a) Provide information on the **scale of the construction/rehabilitation** activity (e.g. area, land required and approximate size of structures).

- b) Provide information on **the construction activities** including support/ancillary structures and activities required to build them, e.g. Substructure, Superstructure Installations, external supply of materials borrow pit, dump sites quarry sites, water source and supply lines, access roads, power lines installations etc.

- c) Describe **how the construction/rehabilitation activities** will be carried out. Include description of support/activities and resources required for the construction/rehabilitation.

PART C: ENVIRONMENTAL BASELINE INFORMATION OF THE PROJECT SITE

CATEGORY OF BASELINE INFORMATION	BRIEF DESCRIPTION
GEOGRAPHICAL LOCATION <ul style="list-style-type: none"> Name of the Area (District, Village) Proposed location of the project (Include a site map of at least 1:10,000 scale) 	
LAND RESOURCES <ul style="list-style-type: none"> Topography and Geology of the area Soils of the area Main land uses and economic activities 	
WATER RESOURCES <ul style="list-style-type: none"> Surface water resources (e.g. rivers, lakes, etc) quantity and quality Ground water resources quantity and quality 	
BIOLOGICAL RESOURCES <ul style="list-style-type: none"> Flora (include threatened/endangered/endemic species) Fauna (include threatened/endangered/endemic species) Sensitive habitats including protected areas e.g. national parks and forest reserves 	
CLIMATE <ul style="list-style-type: none"> Temperature Rainfall 	

PART D: SCREENING CRITERIA FOR IMPACTS DURING CONSTRUCTION

	AREAS OF IMPACT	IMPACT EVALUATION								POTENTIAL MITIGATION MEASURES
		Is the project site/activity within and/or will it affect the following environmentally sensitive areas?		Extent or coverage (on site, within 3km -5km or beyond 5km)			Significance (Low, Medium, High)			
		No	Yes	On Site	Within 3-5 km	Beyond 5km	Low	Medium	High	
1.0 SCREENING CRITERIA FOR IMPACTS DURING PROJECT PLANNING AND DESIGN										
1.1	National parks and game reserve									
1.2	Wet-lands									
1.3	Productive traditional agricultural /grazing lands									
1.5	Areas with rare or endangered flora or fauna									
1.6	Areas with outstanding scenery/tourist site									
1.7	Within steep slopes/mountains									
1.8	Dry tropical forests									
1.9	Along lakes , along beaches, riverine									
1.10	Near industrial activities									
1.11	Near human settlements									
1.12	Near cultural heritage sites									
1.13	Within prime ground water recharge area									
1.14	Within prime surface run off									

AREAS OF IMPACT		IMPACT EVALUATION									POTENTIAL MITIGATION MEASURES
Will the implementation and operations of the project activities within the selected site generate the following externalities / costs / impacts?		Extent or coverage (on site, within 3km -5km or beyond 5km)			Significance (Low, Medium, High)						
		No	Yes	On Site	Within 3-5 km	Beyond 5km	Low	Medium	High		
2.0 SCREENING CRITERIA FOR IMPACTS DURING IMPLEMENTATION AND OPERATION											
2.1	Deforestation										
2.2	Soil erosion and siltation										
2.3	Siltation of watercourses, dams										
2.4	Environmental degradation arising from mining of construction materials										
2.5	Damage of wildlife species and habitat										
2.6	Increased exposure to agro-chemical pollutants										
2.7	Hazardous wastes, Asbestos, PCB's										
2.8	Nuisance - smell or noise										
2.9	Reduced water quality										
2.10	Increase in costs of water treatment										
2.11	Soil contamination										
2.12	Loss of soil fertility										
2.13	Salinization or alkalinisation of soils										
2.14	Reduced flow and availability of water										
2.15	Long term depletion of water resource										
2.16	Incidence of flooding										
2.17	Changes in migration patterns of animals										
2.18	Introduce alien plants and animals										
2.19	Increased incidence of plant and animal diseases										

		AREAS OF IMPACT			IMPACT EVALUATION						POTENTIAL MITIGATION MEASURES
		Will the implementation and operation of the project activities within the selected site generate the following socio-economic costs/impacts?			Extent or coverage (on site, within 3km -5km or beyond 5km)			Significance (Low, Medium, High)			
		No	Yes	On Site	Within 3-5 km	Beyond 5km	Low	Medium	High		
3.0 SCREENING CRITERIA FOR SOCIAL AND ECONOMIC IMPACTS											
3.1	Loss of land/land acquisition for human settlement, farming, grazing										
3.2	Loss of assets, property-houses, agricultural produce etc										
3.3	Loss of livelihood										
3.4	Require a RAP or ARAP ²										
3.5	Loss of cultural sites, graveyards, monuments ¹										
3.6	Disruption of social fabric (mix culture)										
3.7	Interference in marriages for local people by workers										
3.8	Spread of STIs and HIV and AIDS, due to migrant workers										
3.9	Increased incidence of communicable diseases-Malaria, Typhoid, Cholera										
3.10	Health hazards to workers and communities eg dust, sewage, sludge, pond.										
3.11	Changes in human settlement patterns eg relocation										
3.12	Conflicts over use of natural resources e.g. water, land, live stockers etc										
3.13	Conflicts on land ownership farmers /settlers/										
3.14	Disruption of important pathways, roads, Animal/livestock cordials										
3.15	Increased population influx										

¹NOTE: Projects affecting cultural property negatively will either require specific institutional arrangements to be followed for funding or will not be funded depending on the location of the project

²RAP =Resettlement Action Plan, ARAP = Abbreviated (condensed) Resettlement Action Plan

3.2 OVERALL EVALUATION OF THE SCREENING PROCESS ON THE SITE AND PROJECT ACTIVITY

The result of the screening process would be either: (a) the proposed project would be permitted to proceed on the basis of undertaking the identified mitigation measures as part of the project or (b) the proposed project would need an EIA. The basis of these options is listed in the table below:

The Proposed Project Activity Can Be Exempted From EIA and/or RAP Requirements On The Following. CATEGORY “C”	The Proposed Project Activity Needs Further Compliance With EIA Requirements On The Following Observations. CATEGORY “A OR B”
<ul style="list-style-type: none"> • Screening indicates that the site of the project will not be within environmentally-sensitive areas .e.g. protected areas 	<ul style="list-style-type: none"> • Field appraisals indicate that the project site is within environmentally –sensitive areas, protected areas.
<ul style="list-style-type: none"> • No families will be displaced from the site 	<ul style="list-style-type: none"> • Cause adverse socio-economic impacts
<ul style="list-style-type: none"> • Identified impacts are minor, marginal and of little significance 	<ul style="list-style-type: none"> • Significant number of people, families will be displaced from site
<ul style="list-style-type: none"> • Mitigation measures for the identified impacts are well understood and practiced in the area 	<ul style="list-style-type: none"> • Some of the predicted impacts will be long term, complicated, extensive
<ul style="list-style-type: none"> • The stakeholders have adequate practical experiences in natural resource conservation and management. 	<ul style="list-style-type: none"> • Appropriate mitigation measures for some predicted impacts are not well known in the area

An Example of Environmental and Social Management Checklist and Monitoring Plan for Category C

ITEM NO.	POTENTIAL ENVIRONMENTAL/SOCIAL IMPACT	PROPOSED CONTROL / MITIGATION MEASURES AND TIMING	RESPONSIBLE INSTITUTION	MONITORING INSTITUTION/	MONITORING FREQUENCY	MONITORING INDICATORS
1.0	<p>ACTIVITY :- Site clearance For: survey, Main pipeline, sewer line, distribution networks, dam exploration, haul road, waste rocks dump, borrow pits, borehole reconnaissance and drilling mud pits locations, intake structure, treatment plants and storage structures buck wash ways, air valves chambers and drainages, waste treatment plants, fire hydrants Office building</p> <p>Nuisance (noise and dust), Soil Erosion, land degradation, loss of biodiversity, siltation, Loss of farm land, other assets, or impact on people's property, source of livelihood, Water pollution from loose soil, hips of shrubs rabbles, removal of top soil.</p>	<ul style="list-style-type: none"> Regulate traffic speed and movement. Apply daily water sprays to suppress dust. Enforce permission for any land use, Stockpile all stripped top soil for use in rehabilitation, collect and use indigenous plants for rehabilitation Compaction of loose material, provide diversion of storm water flows from construction sites. Minimize destruction of peoples' livelihood facilities. 	Contractor /Consultant	MoWI (DWR,DCWS,DCWS S), PCT NEMC DAWASA DAWASCO UWSA BWO DWST. TSP,DEMC TSP (Technical Service Providers) TSP, DWST. DEMC	Quarterly Weekly construction during	Number of complaints, Quantities of soil lost in halters, Formation of gullies, Water quality (turbidity) in streams and road drainages.
		<ul style="list-style-type: none"> Limit number of vehicles and area of construction. Proper and regular maintenance of vehicles, plants Apply daily water sprays to suppress dust. Re-vegetation. 	Contractor /Consultant	TSP, DWST. DEMC	Weekly during the entire period of construction	

ITEM NO.	POTENTIAL ENVIRONMENTAL/SOCIAL IMPACT	PROPOSED CONTROL / MITIGATION MEASURES AND TIMING	RESPONSIBLE INSTITUTION	MONITORING INSTITUTION/	MONITORING FREQUENCY	MONITORING INDICATORS
2.0	<p>ACTIVITY : Construction and maintenances of:- Main pipeline, sewer line, distribution networks, dam exploration, haul road, waste rocks dump, borrow pits, borehole reconnaissance and drilling mud pits locations, intake structure, treatment plants and storage structures back wash ways, air valves chambers and drainages, waste treatment plants, fire hydrants Office building</p>					
	<p>Water pollution from oil spills, Loss of aesthetics, land degradation, soil erosion and siltation, disturbance of aquatic life , construction and packing waste and solid waste, Siltation and flooding of water bodies, Nuisance (noise and dust)</p>	<ul style="list-style-type: none"> • Proper and regular maintenance of vehicles, plants • Construction of oil interceptor for workshop discharges. • Construct proper waste disposal facilities • Ensure proper operation and maintenance of waste disposal facilities • Limit number of vehicles and area of construction. • Compaction of loose material. • Diversion of storm water flows from construction sites. • Proper design and construction of drainage channels. • Regulate traffic speed and movement. Apply daily water sprays to suppress dust. 	Contractor /Consultant	MoWI (DWR,DCWS,DCWSS), PCT NEMC DAWASA DAWASCO UWSA BWO DWST. TSP,DEMC	<p>Quartely</p> <p>Weekly during the entire period of construction</p> <p>Weekly during the entire period of construction</p>	<p>Water quality (Oil content)</p> <p>Water quality (pollution parameters such as, BOD, COD, Coliform etc),</p> <p>Number of complaints</p> <p>Water quality (Total and suspended solids)</p>
	<p>Loss of biodiversity (animals, trees, vegetation, and greenery beauty).</p>	<ul style="list-style-type: none"> • Minimise number of trees cut. • Limit construction area. • Re-vegetation. 	Contractor /Consultant	MoWI (DWR,DCWS,DCWSS), PCT NEMC DAWASA DAWASCO UWSA BWO DWST. TSP,DEMC	<p>Quartely</p> <p>Weekly</p>	<p>Number of trees cut</p> <p>Area of land cleared</p>

ITEM NO.	POTENTIAL ENVIRONMENTAL/SOCIAL IMPACT	PROPOSED CONTROL / MITIGATION MEASURES AND TIMING	RESPONSIBLE INSTITUTION	MONITORING INSTITUTION/	MONITORING FREQUENCY	MONITORING INDICATORS
	Loss of farm land, other assets, or impact on livelihood	<ul style="list-style-type: none"> Follow proper land acquisition procedures. Provide alternative and prepare RAP based on RPF. Provide compensation. 	Contractor/Consultant	MoWi (DWR, DCWS, DCWSS), PCT, NEMC DAWASA DAWASCO UWSA BWO DWST. TSP, DEMC	Once during design Every three months during construction Weekly	Area of land lost to project activities -Type and quantity of assets lost
3.0	ACTIVITY :OPERATION AND MAINTENANCE:-					
	Operation of Main pipeline, sewer line, distribution networks, treatment plants and storage structures buck wash ways, air valves chambers and drainages, waste treatment plants, fire hydrants, Office building.					drilling mud pits locations, intake structure,
	Increase in spread of STI's					
	Vector diseases	<ul style="list-style-type: none"> Install aprons, drains and soak ways. Use lined drainage canals or pipes to avoid water logging. Unblock sewer line Prohibit misuse of storm drains Procure and operate additional cesspit empties Conduct hygiene education. 	Water users, DWE, UWSA, BWOs,	DWST, DHO MOH, NGOs&CBOs DAWASA DAWASCO UWSA BWO DWST. TSP,DEMC	Once every month during construction quarterly in the entire operation	Number of new cases of infected persons Increase in vectors dominated area.
	Discharge of Sewage Effluent	<ul style="list-style-type: none"> Improve treatment before discharge. Expand/extend sewerage coverage. Construct adequate wastewater disposal facilities. Provide appropriate sampling site. Establish sludge pond to offload cesspit empties. 	DWE, UWSA, BWOs .WUA,	DWST, DEO, DEMC DAWASA DAWASCO UWSA BWO DWST. TSP,DEMC	Every week during the entire operation quarterly in the entire operation	Number of reported complaints. No Sewage in storm drains. Effluent quality Number of Disposal facilities

ITEM NO.	POTENTIAL ENVIRONMENTAL/SOCIAL IMPACT	PROPOSED CONTROL / MITIGATION MEASURES AND TIMING	RESPONSIBLE INSTITUTION	MONITORING INSTITUTION/	MONITORING FREQUENCY	MONITORING INDICATORS
	Regulation of catchment areas against encroachment	<ul style="list-style-type: none"> Ensure resettlement policy is adhered to (LGF). Enhance land use plan and appropriate agricultural practices. Abolish river line cultivation 	WUE Local Council, BWOs, DNRO	DWST, LGC, Min. Lands. DEMC	Every month	Number of complaints
4.0	ACTIVITY :- Decommissioning/demobilization					
	Main pipeline, sewer line, distribution networks, dam exploration, haul road, waste rocks dump, borrow pits, borehole reconnaissance and drilling mud pits locations, intake structure, treatment plants and storage structures buck wash ways, air valves chambers and drainages, waste treatment plants, fire hydrants, Office building.					
	Nuisance	<ul style="list-style-type: none"> Regulate traffic speed and movement. Apply daily water sprays to suppress dust. 	Contractor /Consultant	DWST. DEMC	During decommissioning	Number of complaints on dust
	Demolition of construction site	<ul style="list-style-type: none"> Reinstatement of site. Backfill all voids where possible and reinstate water courses around the sites. Re-vegetate 	Contractor	TSP, DWST. DEMC	During decommissioning	
	Decreased employment levels leading to vandalism of project facilities	<ul style="list-style-type: none"> Pay terminal benefits where appropriate. Provide awareness and counselling for retrenchment consequences. Hold meetings with local communities to discuss decommissioning and closure issues. 	Contractor/Local Leaders	LGA, DEMC	Ongoing	

Projects Requiring EIA - Mandatory List

1. Agriculture

- * Cultivating arid and semi-arid areas not less than 0 ha.
- * Water management projects for agriculture (drainage, irrigation)
- * Large scale farming of not less 50ha - mono- culture and mixed cropping of cash or food crops
- * Pest control projects such as Tsetse, Army worm, Quelea quelea, Locusts, Rodents, weeds)etc.
- * Fertilizer and nutrient management
- * Agricultural programmes necessitating the resettlement of communities.
- * Introduction of new breeds of crops.
- * Introduction of Genetically Modified Organisms
- * Floriculture
- * Salt pans
- * Introduction of new farming technologies

2. Livestock and Range management

- * Large Scale livestock movement
- * Livestock markets
- * Introduction of new breeds of livestock
- * Introduction of forage species
- * Fencing
- * Provision of public water supply (watering points, wells)
- * Ectoparasite management (cattle dips, area treatment)
- * Intensive livestock rearing units
- * Livestock routes
- * Introduction of GMOs
- * Introduction of new livestock management technologies

3. Forestry activities

- * Timber logging, harvesting and processing
- * Forest plantation
- * Afforestation and Reforestation
- * Introduction of new species
- * Selective removal of commercial tree species
- * Pest management
- * Introduction of GMOs
- * Introduction of new forestry management technologies

4. Fisheries activities

- * Medium to large scale fisheries
- * Artificial fisheries such as aqua-culture for fish, algae, crustaceans shrimps, lobster or crabs).
- * Introduction of new species in water bodies
- * Fish farming
- * Introduction of Genetically Modified Organisms
- * Introduction of new fishing technologies

5. Wildlife

- * Introduction of new species
- * Wildlife catching and trading
- * Hunting
- * Wildlife ranching and farming
- * Zoo and sanctuaries
- * Introduction of Genetically Engineered Species
- * Fencing

6. Tourism and Recreational Development

- * Construction of resort facilities or hotels along the shorelines of lakes, rivers, islands, marine parks, and oceans as well as national parks, forest reserves etc.)
- * Hill top resort or hotel development
- * Development of tourism or recreational facilities in protected and adjacent areas (national parks, marine parks, forestry reserves etc) or on islands and in surrounding waters
- * Hunting and capturing
- * Camping activities walk ways and trails etc.
- * Sporting and race tracts/sites
- * Tour operations
- * Development of Eco tourism and cultural tourism centers.

7. Energy Industry

- * Production and distribution of electricity, gas, steam and hot water
- * Exploration, Transmission, Development and Storage of natural gas
- * Thermal power development such as coal, nuclear
- * Geothermal
- * Hydro-power
- * Bio-mass power development such as co-generation
- * Wind -mills power development
- * Solar power development
- * Nuclear energy
- * Hydrogen energy
- * Introduction of new technologies in the energy sector

8. Petroleum Industry

- * Oil and gas fields exploration and development, including seismic survey
- * Construction of offshore and onshore pipelines
- * Construction of oil and gas separation, processing, handling and storage facilities.
- * Construction of oil refineries
- * Construction of product depots for the storage of petrol, gas, diesel, tar and other products within commercial, industrial or residential areas.
- * Transportation of petroleum products

9. Food and beverage industries

- * Manufacture of vegetable and animal oils and fats
- * Oil refinery and ginneries
- * Processing, preservation and storage of meat and its products
- * Manufacture of dairy products
- * Brewing, distilling and malting
- * Fish meal factories
- * Slaughter - houses
- * Soft drinks
- * Tobacco processing
- * Caned or bottled fruits etc
- * Sugar factories
- * Other agro-processing industries
- * Genetically Modified organisms and products thereof

10. Textile Industry

- * Cotton and Synthetic fibers
- * Dye for cloth
- * Ginneries
- * Introduction of Genetically modified products such clothes

11. Leather Industry

- * Tanning
- * Tanneries
- * Dressing factories
- * Other cloth factories

- * Introduction of GMO products such as shoes

12. Wood, Pulp and Paper Industries

- * Manufacture of veneer and plywood
- * Manufacture of fibre board and of particle - board
- * Manufacture of pulp, paper, sand-board cellulose – mills

13. Building and Civil Engineering Industries.

- * Industrial and housing estates
- * Major urban projects such as multi-storey building, motor terminals, markets etc)
- * Tourist structures and facilities
- * Construction and expansion or upgrading of roads, harbours, highways, ship yards, fishing harbours, landing sites air fields, airports, railways, pipelines etc
- * River drainage and flood control works.
- * Hydro - electric and irrigation dams
- * Reservoir
- * Storage of scrap metal.
- * Military installations
- * developments on beach fronts

14. Chemical industries

- * Manufacture, transportation, use and storage of pesticide or other hazardous and or toxic chemicals
- * Production of pharmaceutical products
- * Storage facilities for petroleum, petrochemical and other chemical products (i.e. filling stations)
- * Production of paints, vanishes, etc
- * Disposal of chemical waste

15. Extractive industry

- * Extraction of petroleum
- * Extraction and purification of natural gas
- * Other deep drilling - bore-holes and wells
- * Mining
- * Quarrying
- * Coal mining
- * Sand dredging

16. Non-metallic Industries Products

- * Manufacture of cement, asbestos, glass, glass-fibre, glass-wool
- * Processing of rubber
- * Plastic industry
- * Mime manufacturing, tiles, ceramics

17. Metal and Engineering industries

- * Manufacture and assembly of motor – vehicles
- * Manufacture and assembly of aero planes, ships, trains
- * Manufacture and assembly of satellites
- * Manufacture of other means of transport such as trailers, motor-cycles, bicycles-cycles
- * Body - building
- * Boiler - making and manufacture of reservoirs, tanks and other sheet containers
- * Foundry and Forging
- * Manufacture of non - ferrous products
- * Iron and steel
- * Electroplating

18. Waste treatment and disposal

(a) Toxic and Hazardous waste

- * Construction of Incineration plants
- * Construction of recovery plant (off-site)
- * Construction of waste water treatment plant (off-site)
- * Construction of secure land fills facility

- * Construction of storage facility (off-site)
- * Collection and transportation of waste.

(b) Solid Waste

- * Construction of incineration plant
- * Construction of composting plant
- * Construction of recovery/re-cycling plant
- * Construction of Municipal Solid Waste landfill facility
- * Construction of waste depots
- * Collection and transportation

(c) Sewage

- * Construction of waste water treatment plant
- * Construction of marine out fall
- * Night soil collection transport and treatment
- * Construction of sewage system

19. Water Supply

- * **Canalisation of water courses**
- * **Diversion of normal flow of water**
- * **Water transfers scheme**
- * **Abstraction or utilization of ground and surface water for bulk supply**
- * **Water treatment plants**

20. Health projects

- * Vector control projects (malaria, bilharzia, trypanosomes etc)
- * Construction and location of hospitals, dispensaries and health centers
- * Construction and development of Pharmaceutical industries

21. Land Reclamation and land development

- * Rehabilitation of degraded lands.
- * Coastal land reclamation
- * Dredging of bars, groins, dykes, estuaries etc.
- * Spoil disposal
- * Sea walls

22. Resettlement or relocation of people and animals

- * Establishment of refugee camps
- * Dam construction
- * Establishment, expansion or rehabilitation of roads
- * Change of land use such as mining, pastoralist against farmers
- * Urban expansion

23. Multi-sectoral Projects

- * Agro-forestry
- * Dispersed field of tree inter-cropping
- * Alley cropping
- * Living fences and other linear planting
- * Windbreak or shelterbelts
- * Integrated conservation and development programmes such as Wildlife Management Areas.
- * Integrated Pest Management
- * Diverse construction - public health facilities, schools and storage buildings, facilities for ecotourism and field research in protected areas, logging mills, furniture making, access roads, well drilling, camps, dams, reservoirs etc.
- * River basin development and watershed management projects
- * Food aid, humanitarian relief
- * Oil refineries and ginneries

24 Trade: Import and Export

- * Hazardous Chemicals or Waste
- * Plastics
- * Petroleum products

- * Vehicles
- * Used materials
- * Wildlife and wildlife products
- * Pharmaceuticals
- * Food
- * Beverages
- * Genetically Modified Organisms and products thereof.

Note that Section 104 of the Draft Environment Management Project specifies some projects which need review and approval of the Minister Responsible for environment before EIA has to be undertaken

**PROJECTS (SMALL-SCALE ACTIVITIES AND ENTERPRISES)
THAT MAY OR MAY NOT REQUIRE EIA.**

- * Fish small scale culture
- * Bee-keeping
- * Small animal husbandry and urban livestock keeping
- * Horticulture and floriculture
- * Wildlife catching and trading
- * Production of tourist handicrafts
- * Charcoal production
- * Fuel wood harvesting
- * Tree Nurseries,
- * Small enterprises
- * Carpentry shops
- * Wooden furniture and implement making
- * Basket and other weaving
- * Nuts and seeds for oil processing
- * Bark for tanning processing
- * Brewing and distilleries
- * Taungya system
- * Bio-gas plants
- * Bird catching and trading
- * Hunting
- * Wildlife ranching
- * Zoo, and sanctuaries
- * Tie and dye making
- * Brick making
- * Beach seining
- * Sea weed Farming
- * Graves and cemeteries
- * Urban Livestock Keeping
- * Urban agriculture.
- * Fish landing stations.
- * Wood carving and sculpture
- * Schools, dispensaries, community centre, Schools, Social halls, and play grounds
- * Wood works e.g. boat building
- * Market places
- * Rain water harvesting
- * Garages
- * Carpentry
- * Black smith.
- * Tile manufacturing
- * Kaolin manufacturing
- * Vector control projects e.g. Malaria, Bilharzia, trypanosomes
- * Livestock stock routes
- * Fire belts.
- * Tobacco curing kilns
- * Sugar refineries
- * Artisanal and small scale mining
- * Rural road

データ集 H
ハンドポンプ修理資料

H.1 検査レポート S/N.1

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region << INSPECTION SHEET >>

S/No.	1	Date	/ / 2010
District	: IGUNGA		
Ward	: IGOWEKO		(No. 4)
Village	: USWAYA		(No. 14)
Sub-village	: MWAKADELE	(No.)	Location : KAMATA
Coordinate	: Longitude 4.70397	Latitude	33.51948
Pump Type	: AFRIDEV		
Repairing Works	Bearing bush - 4 pcs, Fulcrum pin - 2 pcs, Bolts & nuts - 4 pcs, Cup U seal - 1 pc O-ring - 1 pc, Raiser main - 2 pcs of 3.0m, Measurement: well depth 14.70m, water level 2.0m, pump position 13.0m		
Response and Situation of Village	Very happy Water Committee or Water User Group They have a water committee of 12 people, 7 women and 5 men Reserve Found They have a water fund but no in the bank intends to call a meeting to discuss how to contribute more funds for their water supply.		
Result and Remarks	The pump is working good after fixing new spare parts.		

H.2 検査レポート S/N.2

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region << INSPECTION SHEET >>

S/No.	2	Date	23 / 09 / 2010
District	: IGUNGA		
Ward	: IGUNGA		(No. 5)
Village	: IGUNGA SMALL		(No. 16)
Sub-village	: STORE	(No. 103)	Location : MARKET
Coordinate	: Longitude 4.27886	Latitude	33.87529
Pump Type	: AFRIDEV		
Repairing Works	Two set bearing bush - 4 pcs, Fulcrum pin 2 pcs - Raiser main 3m - 2 pcs Cup -U - Seal 1 pc, Bolts & nuts - 4 pcs, O-Ring - 1 pc, Flapper rubber 1 pc Measurement: well depth 19.0m, Water level 6.0m, pump intake 18.0m		
Response and Situation of Village	People are very happy Water Committee or Water User Group They have a water committee of 8 people 4 women and 4 men Reserve Found They dont have a water fund, but intent to call the meeting and discuss the issue.		
Result and Remarks	Pump working good after replacing new spare parts		

H.3 検査レポート S/N.3

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	3	Date	21 / 10 / 2010	
District	IGUNGA			
Ward	MWISI	(No.)	
Village	BUSOMEKE	(No.)	
Sub-village	KATI	(No.) Location	: KALUMA
Coordinate	Longitude	4.52631	Latitude	33.46684
Pump Type	MALDA/TANIRA			
Repairing Works	<p>Pull out the handpump Replacement of new spare parts 1m raising main 1pc 1m rod 1 pc Shock absorber 1 pc - for repairing the pump handle Repairing of well cover</p>			
Response and Situation of Village	<p>They were very happy after their handpump have been repair now they will drink clean and healthy water.</p>			
Water Committee or Water User Goup	<p>They have a village water committee with 6 leaders 3 women and 3 men. At all the village get water from the well.</p>			
Reserve Found	<p>They have a bank account Tshs. 150,000/= at Bank for water uses</p>			
Result and Remarks	<p>The handpump now is good</p>			

H.4 検査レポート S/N.4

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	4	Date	/ / 2010	
District	IGUNGA			
Ward	NDEMBEZI	(No.	18)	
Village	MOYOFUKE	(No.	64)	
Sub-village	SHELUI	(No.	440) Location	: Mr. Yohana Mishoro
Coordinate	Longitude	4.33267	Latitude	33.53713
Pump Type	AFRIDEV			
Repairing Works	<p>Bearing bush 4 pcs U - seal 1 pc Foot valve receiver 1 pc Fulcrum pin 1 pc Rope 100m, Nuts 4 pcs</p>			
Measurements:				
Response and Situation of Village	<p>The people of the village are happy to get water again</p>			
Water Committee or Water User Goup	<p>They have a water committee of 8 people being 4 men and 4 women</p>			
Reserve Found	<p>They have the funds now they want to open water account their handpump</p>			
Result and Remarks	<p>The pump now is in good condition the water is enough. They know how to pull out the pump and repair the damaged parts. Fix the pump again.</p>			

H.5 検査レポート S/N.5

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	5	Date	09 / 08 / 2010
District	: NZEGA		
Ward	: IGUSULE (No. 3)		
Village	: SOJO (No. 6)		
Sub-village	: NSEME (No. 40	Location	: NSEME
Coordinate	: Longitude 3.93916	Latitude	32.86778
Pump Type	: AFRIDEV		
Repairing Works			
<p>Bearing bush Cup - U - Seal O - ring</p>			
<p>Response and Situation of Village They have 57 household about 400 people fetching water daily and each family about 8 buckets of 20Lts equals to 64,000 Lts daily</p>			
<p>Water Committee or Water User Goup They have water committee of 6 peoples, 3 women and 3 men.</p>			
<p>Reserve Found They have Bank Account amount 118,000/= since 2007 They want to contribute again so that to have more funds for their water user group for services and repair</p>			
Result and Remarks			
<p>Repairing and Training works were completed very well Monitoring is necessary</p>			

H.6 検査レポート S/N.6

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	6	Date	09 / 08 / 2010
District	: NZEGA		
Ward	: IGUSULE (No. 3)		
Village	: SOJO (No. 6)		
Sub-village	: BOMBANI (No. 36	Location	: Bombani 1
Coordinate	: Longitude 3.95529	Latitude	32.86791
Pump Type	: AFRIDEV		
Repairing Works			
<p>Bearing bush Flapper rubber Cup - U - seal O - Ring</p>			
<p>Response and Situation of Village They will open account for water The handpump working well they are very ahpp with the repairing handpump</p>			
<p>Water Committee or Water User Goup They have water committee of 8 people, 4 women and 4 men</p>			
<p>Reserve Found They will have a meeting today at 3.00pm to discuss water issues and to open a bank account.</p>			
Result and Remarks			
<p>Repairing and Training were completed very well Monitoring is necessary</p>			

H.7 検査レポート S/N.7

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	7	Date	01 / 08 / 2010
District	: NZEGA		
Ward	: IGUSULE		(No. 3)
Village	: SOJO		(No. 6)
Sub-village	: BOMBANI	(No. 36)	Location : BOMBANI
Coordinate	: Longitude 3.96673	Latitude	32.86692
Pump Type	: AFRIDEV		
Repairing Works			
Pull Out the handpump Remove damaged parts Replacement of new spare parts - Bearing bush - Flapper rubber 1pc - O-ring 1 pc - U - Seal 1 pc - Plunger assembly Measurement: well depth 59.0m Water level 11.0m Pump position 45.0m			
Response and Situation of Village			
Water Committee or Water User Goup			
Reserve Found			
Result and Remarks			
Enough water is coming out after installtion of the new spareparts. Need more training and maintenance of the handpump			

H.8 検査レポート S/N.8

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	8	Date	09 / 08 / 2010
District	: NZEGA		
Ward	: IGUSULE		(No. 3)
Village	: SOJO		(No. 6)
Sub-village	: NGOGOTO	(No. 39)	Location :
Coordinate	: Longitude 3.98578	Latitude	32.85896
Pump Type	: AFRIDEV		
Repairing Works			
Bush bearing Raising main 8 Nos fo 3.00m each Rods 8 Nos of 3.00m each Cup - U - Seal O - Ring Flapper rubber Cylinder complete			
Response and Situation of Village			
They intend to contribute money to open Bank account and orm water committee.			
Water Committee or Water User Goup			
They had water committee, but it is not functionable due to handpump got broken two years ago. Now they want to form the water committee because their handpump is functioning.			
Reserve Found			
No fund for water account They intend to contribute and open the water Bank account.			
Result and Remarks			
Pump working good after replacing new spare parts			

H.9 検査レポート S/N.9

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	9	Date	09 / 08 / 2010
District	: NZEGA		
Ward	: IKINDWA	(No. 5)	
Village	: KAYOMBO	(No. 14)	
Sub-village	: MATALE	(No. 97)	Location : MATALE
Coordinate	: Longitude 4.1498	Latitude	32.89951
Pump Type	: TANIRA		
Repairing Works	Sleeve Bearing Shock arbsorber Pluncher Ring		
Response and Situation of Village	Meeting to form water fund each family to pay 1500/= Water Committee or Water User Goup Water committee of 6 people, 3 women and 3 men. There was a meeting top open Bank account Each household to contribute 1500/= Reserve Found No water Account		
Result and Remarks	Repairing and training were completed very well Monitoring is necessary		

H.10 検査レポート S/N.10

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	10	Date	09 / 08 / 2010
District	: NZEGA		
Ward	: IKINDWA	(No. 5)	
Village	: MALOLO	(No. 15)	
Sub-village	: MALOLO	(No. 107)	Location :
Coordinate	: Longitude 4.09841	Latitude	32.89951
Pump Type	: TANIRA		
Repairing Works	Apron and well cover Sleeve bearing Plucher Ringe		
Response and Situation of Village	Water Committee or Water User Goup 3 women and 3 men Reserve Found No fund reserved		
Result and Remarks	Repairing and training completed very well		

H.11 検査レポート S/N.11

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	11	Date: 24 / 9 / 2010
District	: NZEGA	
Ward	: IKINDWA	(No. 5)
Village	: MALOLO	(No. 15)
Sub-village	: LKILIHALYOHA	(No. 105) Location : KILYALYOHA
Coordinate	: Longitude 4.0879	Latitude 32.89
Pump Type	: TANIRA	
Repairing Works	Apron construction and well cover - Sleeve bearing - 1 pc - hexagon screw - 4 pcs - Shock absorber - 1 pc - pluncher Ring - 1 pc Pull out the hand pump Measurement: - well depth 4.3m - water level 0.75 and - pump position 4.0m	
	Before repairing the handpump was not working. After repairing the pump is working well and enough water. Water Committee or Water User Goup They have a water committee of 8 people, 4 men and 4 women Reserve Found They have the fund of Tshs. 150,000/= only and intends to open a bank account.	
Result and Remarks	The handpump is in good condition and working producing enough water to the users.	

H.12 検査レポート S/N.12

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	12	Date / / 2010
District	: NZEGA	
Ward	: ITOBO	(No. 8)
Village	: ITOBO	(No. 27)
Sub-village	: NYASULI	(No. 181) Location :
Coordinate	: Longitude 4.17673	Latitude 33.03605
Pump Type	: TANIRA	
Repairing Works	Apron construction Cylinder complete Sleeve bearing Shock absorber Repairing well cover Inspection cape Training pump care taken and leaders of water committee	
	Response and Situation of Village Good response, clean the surrounding They put the fence around the well They will buy lock for the inspection cape and promised to hand fund for water account Water Committee or Water User Goup They have water committee Reserve Found They do not have any fund No bank account	
Result and Remarks	Repairing and training works are completed very well withou any problem Monitoring is nesssry for maintenance of this pum especially for fund	

H.13 検査レポート S/N.13

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	13	Date	24 / 09 / 2010
District	NZEGA		
Ward	KAHAMA/HARANGA		(No. 10)
Village	NHABALA		(No. 35)
Sub-village	NHABALA	(No. 251)	Location : NHABALA
Coordinate	: Longitude 4.1392	Latitude	32.6931
Pump Type	: TANIRA		
Repairing Works	<p>Construction of Apron and Well cover</p> <p>Well deepening and cleaning</p> <ul style="list-style-type: none"> - Sleeve Bearing 1 pc - Cylinder complete - Shock arbsorber - Pluncher ring and <p>Repair inspection cape.</p> <p>Measurements:</p> <ul style="list-style-type: none"> - well depth 8.6m - water level 3.0m - pump intake 7.0m 		
Response and Situation of Village	<p>After repairing the handpump now is working and the people of the village are very happy enjoying fetching water.</p> <p>Water Committee or Water User Goup They have a water committee of 6 people 3 man and 3 women</p> <p>Reserve Found They contributed 185,000/= intends to open Bank Account</p>		
Result and Remarks	<p>The handpump is working well after repairing the water committee are able to pull out the handpump fix the damaged parts and install the handpump again.</p>		

H.14 検査レポート S/N.14

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	14	Date	09 / 08 / 2010
District	: NZEGA		
Ward	: KASELA		(No. 12)
Village	: KASELA		(No. 40)
Sub-village	: NJUKA	(No. 283)	Location : NJUKA 2
Coordinate	: Longitude 4.0917	Latitude	32.99449
Pump Type	: TANIRA		
Repairing Works	<p>Apron repairing</p> <p>Sleeve bearing</p> <p>Shockarbsorber</p> <p>Inspection cape</p>		
Response and Situation of Village	<p>They have the meeting one of the agenda discussing about bank account to buy locks for their handpump and inspection cape. We met they on the meeting and talk with them about opening A/C</p> <p>Water Committee or Water User Goup They have water committee fo 6 people. 3 women and 3 men.</p> <p>Reserve Found They have bank account but domant They will start collect water funds to ther users and put to the Bank Account (water)</p>		
Result and Remarks	<p>Repairing and training works were completed very well Monitoring is necessary especially for fund</p>		

H.15 検査レポート S/N.15

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	15	Date	23 / 9 / 2010
District	: NZEGA		
Ward	: LUSU	(No. 13)	
Village	: IFUMBA	(No. 46)	
Sub-village	: IFUMBA	(No. 307)	Location : KALEMANI
Coordinate	: Longitude 4.00878	Latitude	33.23615
Pump Type	: AFRIDEV		
Repairing Works	Raiser main - pc of 3.0m. Flapper Rubber 1 pc O.ring - 1 pc Bearing bush 2 sets Cylinder pipe - pc Cylinder pipe - 1 pc Rods 2 pcs of 3.0m Measurement of well Depth - 58.0m Water level - 8.4m Pump position - 50.0m		
Response and Situation of Village	People are happy after thier handpump has been repaired and produce water. Water Committee or Water User Goup they have the water committee of 8 people, 4 women and 4 men Reserve Found They have a village fund for water. Intends to open account bank for water user group. The village A/C is Tshs. 150,000/=		
Result and Remarks	After installation of new spare parts and the handpump. Their handpump produced enough water.		

H.16 検査レポート S/N.16

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	16	Date	20 / 9 / 2010
District	: NZEGA		
Ward	: LUSU	(No. 13)	
Village	: ISANGA	(No. 47)	
Sub-village	: IPONYAMADUMU	(No. 310)	Location : MLIMANI
Coordinate	: Longitude 4.05408	Latitude	33.19274
Pump Type	: AFRIDEV		
Repairing Works	Replacement of new spare parts - Bearing bush 4 pcs , Raising main 10pcs of 3.0m , Cylinder complete 1 pc - Flapper rubber 1 pc - Rod/pump rod 1 pc of 3.0m - Rope - 120m Measurement: - Well depth - 58.0m - Water level - 6.0m - Pump position 35.0m The pump is working		
Response and Situation of Village	They are very happy after repairing their pump. Water Committee or Water User Goup They have a water committee of 6 people, 3 men and 3 women Reserve Found They do not have a water account but propose to call a meeting of all the user group to discuss about opening the water account.		
Result and Remarks	Good pumping Produced enough water		

H.17 検査レポート S/N.17

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	17	Date	23 / 09 / 2010
District	: NZEGA		
Ward	: LUSU	(No. 13)	
Village	: MWALUZWILO	(No. 49)	
Sub-village	: BUJINJA	(No. 318)	Location :
Coordinate	: Longitude 4.01767	Latitude	33.20427
Pump Type	: AFRIDEV		
Repairing Works	<p>Pull out the handpump, Remove the damaged parts Replacement of new spareparts - One set of bearing bush , Flapper rubber - U - seal and , O - ring Measurement: - Well depth 53m - Pump installation 50m - Water level 25m</p>		
Response and Situation of Village	<p>The people were very happy after seeing their handpump is working again and produced enough water.</p> <p>Water Committee or Water User Goup They have the water committee of 3 women and 3 men.</p> <p>Reserve Found They dont have a water account but intends to meet to discuss the issued, contribute the funds and open bank account for water.</p>		
Result and Remarks	<p>After replacement and fixed new parts the hand pump is working very good enough water is coming out.</p>		

H.18 検査レポート S/N.18

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	18	Date:	24 / 09 / 2010
District	: NZEGA		
Ward	: MAGENGATI	(No. 14)	
Village	: MAGENGATI	(No. 54)	
Sub-village	: CHANG'OMBE	(No. 349)	Location : CHANG'OMBE
Coordinate	: Longitude 4.81132	Latitude	33.0574
Pump Type	: TANIRA		
Repairing Works	<p>Pull out the handpump Removed damaged parts Replacement of new spare parts - Plunher Ring - 1 pc - Raiser couline - 1pc - Hexagon screw - 1 pc Measurement: - Well depth - 3.30m - Water level 1.50m - Pump position 3m</p>		
Response and Situation of Village	<p>The village people were very happy after their handpump produces enough water</p> <p>Water Committee or Water User Goup They have a water commitee of 6 people, 3 women and 3 men</p> <p>Reserve Found No water Account</p>		
Result and Remarks	<p>Need more training in operation and maintenance. Distric water office to visit the village for discussion of opening bank account for the handpump</p>		

H.19 検査レポート S/N.19

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	19	Date:	/ / 2010
District	: NZEGA		
Ward	: MBOGWE (No. 16)		
Village	: MBOGWE (No. 64)		
Sub-village	: MWANGONGO (No. 406) Location : MWANGONGO		
Coordinate	: Longitude 4.13952	Latitude	33.25615
Pump Type	: AFRIDEV		
Repairing Works			
Pull out the hand pump Removed damaged parts Replacement of new spare parts - Bearing bush 1 set - Flapper rubber 1 pc - U seal 1 pc - O. Ring 1 pc Measurement: - Well depth - 50m - Water level 12m - Pump position 45m			
Response and Situation of Village			
The villagers are very happy with their handpump after installation of the new spare parts.			
Water Committee or Water User Group			
They have the water committee.			
Reserve Found			
They have the account (water account at the bank)			
Result and Remarks			
Enough water is coming out after the installation of the new spare parts. Need more training on operation and maintenance of the handpump.			

H.20 検査レポート S/N.20

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	20	Date:	20 / 9 / 2010
District	: NZEGA		
Ward	: MBOGWE (No. 16)		
Village	: NHOBOLA (No. 65)		
Sub-village	: MISANA (No. 411) Location : MISANA		
Coordinate	: Longitude 4.11259	Latitude	33.28779
Pump Type	: AFRIDEV		
Repairing Works			
Pull out the handpump Remove the damaged part Replacement of new spare parts Measurement : - Well depth 34m - Water level 6m - Pump position 30m After installation started working			
Response and Situation of Village			
Was very good			
Water Committee or Water User Group			
There is a water committee of 6 people, 3 men and 3 women			
Reserve Found			
They have the water fund of Tshs. 100,000/= and opened for bank account.			
Result and Remarks			
After repairing and replacement new spare parts the pump starts working. After one week of working U-seal was damaged then the committee replaced the U-seal, now they will have to buy a new U - seal from CBRC for their repair.			

H.21 検査レポート S/N.21

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	21	Date:	24 / 09 / 2010
District	: NZEGA		
Ward	: MWOGO (No. 20)		
Village	: USALALA (No. 83)		
Sub-village	: KING'WANGOKO (No. 520)	Location	: KING'WANGOKO
Coordinate	: Longitude 4.25969	Latitude	32.79955
Pump Type	: TANIRA		
Repairing Works	<p>Well cover and apron construction</p> <ul style="list-style-type: none"> - Pump stand 1 pc - Sleeve bearing 1 pc - Shock absorber 1 pc - 4 hexagon screw and nuts <p>Measurement:</p> <ul style="list-style-type: none"> - Well depth 3.60m - Water level 2.00m - Pump position 3.00m 		
Response and Situation of Village	<p>After repairing the handpump, now is working the village are very happy.</p>		
Water Committee or Water User Goup	<p>They have the water committee and contributed about Tshs. 150,000/- They intends to call a meeting to contribute more funds and open bank account.</p>		
Reserve Found	<p>Contributed about Tshs. 150,000/- They intends to call a meeting to contribute more funds and open bank account.</p>		
Result and Remarks	<p>The handpump is in good working The committee members now know how to pull out the handpump, fix the damaged parts and install the handpump again without any difficulties or problems.</p>		

H.22 検査レポート S/N.22

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	22	Date:	17 / 10 / 2010
District	: NZEGA		
Ward	: MUHUGI (No. 21)		
Village	: UBINGA (No. 85)		
Sub-village	: UBINGA (No. 544)	Location	: UBINGA
Coordinate	: Longitude 4.41341	Latitude	33.3073
Pump Type	: TANIRA		
Repairing Works	<p>Pulling out the handpump</p> <p>Deepening the well 1m deep</p> <ul style="list-style-type: none"> - Put filter rings - 2 pcs of 50cm each - Sleeve bearing 1 pc - Shock absorber 1 pc - Raiser main and rod 1m each - Apron and well cover <p>Measurement:</p> <ul style="list-style-type: none"> - Well depth 4.4m - Water level 0.50cm - Pump intake 4.0m 		
Response and Situation of Village	<p>Very little response for the villagers. The deepening of the well is done by CBRC workers</p>		
Water Committee or Water User Goup	<p>They have a village water committee</p>		
Reserve Found	<p>No funds for the handpump. The village executive office (VEO) will call a meeting to discuss about opening the bank account for the handpump for operations and maintenance.</p>		
Result and Remarks	<p>After deepening 1 meter, deep, the water level is only 50cm at the pick of dry season. During the rain season the water table will rise and the villagers or user group will use the water for eight months per year.</p>		

H.23 検査レポート S/N.23

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	23	Date:	20 / 9 / 2010
District	: NZEGA		
Ward	: NATA	(No. 25)	
Village	: KABALE	(No. 105)	
Sub-village	: KASELA	(No. 676)	Location : KABALE
Coordinate	: Longitude 4.05615	Latitude	33.17276
Pump Type	: AFRIDEV		
Repairing Works	Replacement of new spare parts, - U seal - Flapper rubber - O-Ring - 1 set bearing bush - Pump position 50m - Flapper rubber 1 pc - Bolts and Nuts 4 pcs Measurement - Well depth 58m - Water level 10m - Pump position 50m		
Response and Situation of Village	They are very happy with their pump many household members were around during the repairing. Water Committee or Water User Goup They have the water committee. Reserve Found They have the funds and intents to open ban account soon.		
Result and Remarks	The water user group are able to pul out their pump. They understand repairing damaged parts. The pump is working well.		

H.24 検査レポート S/N.24

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	24	Date :	23 / 9 / 2010
District	: NZEGA		
Ward	: NATA	(No. 25)	
Village	: NATA	(No. 109)	
Sub-village	: NYALAJA	(No. 702)	Location : NYALAJA
Coordinate	: Longitude 4.02962	Latitude	33.13228
Pump Type	: AFRIDEV		
Repairing Works	- Bearing bush 1 set - U seal - O ring - Fulcram pin - Apron pin - Apron repairing and well cover - Foot valve - 1 pc		
Response and Situation of Village	Very happy and now they enjoy fetching water Water Committee or Water User Goup School committee Reserve Found School fund (captation)		
Result and Remarks	The handpump is supplying water, The school children, Teachers and people around the school are happy. Their getting water full time.		

H.25 検査レポート S/N.25

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	25	Date	23 / 09 / 2010
District	: NZEGA		
Ward	: UTWIGU (No. 36)		
Village	: MWANHALA (No. 147)		
Sub-village	: MWANHALA (No. 969)	Location	: MWANHALA B
Coordinate	: Longitude 4.37591	Latitude	33.14021
Pump Type	: TANIRA		
Repairing Works	Sleeve bearing 1 pc and inspection cape Shock absorber 1 pc and cylinder complete 1 pc Hexagon screw 4 pcs Cylinder pipe 1 pc Well cover and apron construction well deepening and cleaning Measurement: - Water level - 2.00m - Well depth - 4.00m - Pump position - 3.5m		
Response and Situation of Village	The response of the village is good, but the owner of that piece of land where the well is, is not happy he needs to be paid, the committee agreed to pay Water Committee or Water User Goup 4 women and 4 men Reserve Found No water account but they intend to call a meeting to discuss the issue of water fund account		
Result and Remarks	The owner of that piece of land need to be paid. The committee agreed to pay her some money in order that piece of land becomes free for the committee members.		

H.26 検査レポート S/N.26

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	26	Date	20 / 09 / 2010
District	: NZEGA		
Ward	: WELA (No. 37)		
Village	: MWANSAMBO (No. 152)		
Sub-village	: MWANSAMBO A (No. 995)	Location	: MWANSAMBO
Coordinate	: Longitude 4.0632	Latitude	33.34546
Pump Type	: TANIRA		
Repairing Works	Well cover and apron repair/construction Handpump was not on site when repairing (it was pu to one committee member) Replacement of the new spare parts - Pump handle 1 pc , Raiser rod - 3m 1 pc Measurement: - Well depth - 5.0m - Water level 2.0m - Pump position 4.50m Pump installation and start working Deepening and cleaning - inspection cape		
Response and Situation of Village	Was very good Water Committee or Water User Goup 6 people, 3 women and 3 men Reserve Found Not yet opened the water account		
Result and Remarks	Good working and enough water coming from the pump Water committee enjoyed the training on handling the pump.		

H.27 検査レポート S/N.27

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	27	Date	20 / 09 / 2010
District	: NZEGA		
Ward	: WE:A (No. 37)		
Village	: WELA (No. 153)		
Sub-village	: KITYELO (No. 1000) Location : KITYELO		
Coordinate	: Longitude 4.1426	Latitude 33.29976	
Pump Type	: AFRIDEV		
Repairing Works			
Pull out the handpump, removed the damaged parts			
Replacement fo new spare parts			
- Bearing bush 2 sets - 4 pcs			
- U-seal 1 pc			
- O-ring 1 pc			
- Flapper rubber 1 pc			
Measurement:			
- Well depth 62.00m,			
- Water level 7.8m			
- Pump position 55m.			
Response and Situation of Village			
The response is good			
Water Committee or Water User Goup			
There is a water committee			
Reserve Found			
No water account			
Result and Remarks			
Pump is not working now it is about one week.			
Problem is may be with the raiser main CBRC will come with the spares and repair the pump			

H.28 検査レポート S/N.28

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	28	Date	/ / 2010
District	: SIKONGE		
Ward	: CHABUTWA (No. 1)		
Village	: KABANGA (No. 2)		
Sub-village	: CHANG'OMBE (No. 3 Location : MZUMIA		
Coordinate	: Longitude 5.7902	Latitude 072.79/40	
Pump Type	: TANIRA		
Repairing Works			
Shock absorber, sleeve bearing, gasket, plunger bottom valve and handle nipple.			
Inspection pipe for measuring water table and doxing sodium haypochtrotre			
Response and Situation of Village			
On the repairing many villagers participated and they were very happy for getting water again.			
Water Committee or Water User Goup			
Water committee of 8 people, 4 men and 4 women. The meet but not often.			
Reserve Found			
They opened the Bank account (water account) they will contribute Tshs. 5,000/= for each household after selling their tobacco.			
Result and Remarks			
Pump working good after replacing new spare parts			

H.29 検査レポート S/N.29

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	29	Date	03 / 09 / 2010
District	: SIKONGE		
Ward	: CHABUTWA (No. 1)		
Village	: KIPANGA MLIMANI (No. 4)		
Sub-village	: KIPANGA KATI (No. 10) Location : BARAHANI		
Coordinate	: Longitude 5.70512	Latitude	32.82202
Pump Type	: TANIRA		
Repairing Works	Sleeve bearing Shock absorber Socket head 4 Hexagon screw Plungering, Nuts for pedestal and well apron 4 Inspection screw		
Response and Situation of Village	The villager are very happy with their pump Water Committee or Water User Goup They have water committee Reserve Found They have a bank account of Tshs. 500,000/= at NMB from Jimbo fund. The water committee contributed about 150,000/=		
Result and Remarks	Repairing ok but the cap of water level chacking hole was lost village people will put cap.		

H.30 検査レポート S/N.30

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	30	Date	03 / 09 / 2010
District	: SIKONGE		
Ward	: IGIGWA (No. 2)		
Village	: LUFWISI (No. 8)		
Sub-village	: LUFWISI (No. 32) Location :		
Coordinate	: Longitude 5.5167	Latitude	3280321
Pump Type	: TANIRA		
Repairing Works	Shock arbsorber Sleeve bearing Pump stand socket head Hexagon screw Pedastal Inspection pipe		
Response and Situation of Village	The villagers were very happy Water Committee or Water User Goup They have water committee they meet but not often Reserve Found Open account at Bank (NMB) each household contributes money 600/= per six month		
Result and Remarks	Repairing works were completed very well 23 - 27 L/min		

H.31 検査レポート S/N.31

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	31	Date	03 / 09 / 2010
District	: SIKONGE		
Ward	: KILOLELI (No. 4)		
Village	: MTAKUJA (No. 19)		
Sub-village	: MTAKUJA	(No. 73)	Location :
Coordinate	: Longitude	Latitude	
Pump Type	: TANIRA		
Repairing Works	<p>Shock absorber Sleeve bearing Hexagon screw 4 Nuts 4 Inspection pipe.</p>		
Response and Situation of Village	<p>The villagers are happy that the handpump now is working proper.</p> <p>Water Committee or Water User Group Water committee total 10, 5 men and 5 women</p> <p>Reserve Found World Bank (the village has contributed 5% for water project (Tshs. 4,500,000/=) Contribution per Household Tshs. 1000/= per year (NMB ACCOUNT)</p>		
Result and Remarks	<p>Pump working good after replacing new spare parts</p>		

H.32 検査レポート S/N.32

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	32	Date	/ / 2010
District	: SIKONGE		
Ward	: KILOLI (No. 5)		
Village	: MWITIKIO (No.21)		
Sub-village	: MWITIKIO	(No. 79)	Location : KWA MUSA
Coordinate	: Longitude	506.83326	Latitude 33.36208
Pump Type	: TANIRA		
Repairing Works	<p>Sleeve bearing, 4 hexagon screws plunger bottom valve 1 plunger ring valve limiters bottom valve body and 4 nuts.</p> <p>Inspection pipe</p>		
Response and Situation of Village	<p>Many people turned up on the repairing of their handpump.</p> <p>Water Committee or Water User Group</p> <p>Reserve Found the village contribution for work bank water account 5% which is 5,000,000/= (Jimbo fund 250,000/=) each person contributes Tshs. 5,000/= . The fund can be used for repair of their handpump</p>		
Result and Remarks	<p>Happy to get water again</p>		

H.33 検査レポート S/N.33

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	33	Date	10 / 10 / 2010
District	: TABORA RURAL		
Ward	: MABAMA	(No. 11)	
Village	: MASWANYA	(No. 70)	
Sub-village	: MASWANYA MASHARIKI	(No. 306)	Location : SHULENI
Coordinate	: Longitude 5.06497	Latitude	32.49199
Pump Type	: AFRIDEV		
Repairing Works	Pulling out the handpump Repairing of the damaged apron Removal of damaged/wornout Replacement of new spare parts Pump rod 1 pc Fulcrum pin 1 pc Bearing bush 2 pcs Foot valve 1 pc O-Ring 1 pc U-seal 1 pc Measurements: well depth 4.4m, water level 1.1m, pump position 3.0m		
Response and Situation of Village	The villagers are very happy after their handpump taken out enough water Water Committee or Water User Group They have a water committee of 8 people, 4 men and 4 women. Reserve Found They have money, but not in the Bank. They will call a meeting to contribute more funds and open bank account for their handpump.		
Result and Remarks	Damaged/worn out spare parts replaced Damaged apron and well cover repaired Handpump worked properly and delivered water after repair.		

H.34 検査レポート S/N.34

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	34	Date	4 / 10 / 2010
District	: TABORA RURAL		
Ward	: UPUGE	(No. 16)	
Village	: MHOGWE	(No. 103)	
Sub-village	: MHOGWE B	(No. 443)	Location : MICHAEL PAUL
Coordinate	: Longitude 4.87706	Latitude	33.04004
Pump Type	: AFRIDEV		
Repairing Works	Pull out the handpump , Removed damaged parts , Replacement of new spare parts Bearing bush 2 sets - 4pcs , Plunger U-seal - 1 pc , Bolts & nuts - 2 pcs O-Ring - 1 pc , Foot valve Assembly Measurements: Well depth - 55m, water level 3m, pump position 25m		
Response and Situation of Village	People of the village are very happy getting water Water Committee or Water User Group No water committee only leader of the village Reserve Found No water funds for the time being		
Result and Remarks	Enough water is coming out The colour of the water is not clear The district water office must visit the villagers to discuss about opening account for the handpump Operation and maintenance		

H.35 検査レポート S/N.35

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	35	Date	4 / 10 / 2010
District	TABORA URBAN		
Ward	NDEVELWA	(No. 6)	
Village	INALA	(No. 18)	
Sub-village	IBASA	(No. 76)	Location : RAMADHAN
Coordinate	Longitude 5.12018	Latitude	32.95778
Pump Type	AFRIDEV		
Repairing Works	<p>Pull out the handpump Removal of damaged spare parts Repairing the Apron Replacement of the new spare parts , Fulcrum pin 1 pc , Bearing bush 2 pcs O-Ring 1 pc , Foot valve 1 pc , U-seal 1 pc Measurements: well depth - 4.40m, water level 1.10m and pump position 3.0m</p>		
Response and Situation of Village	<p>The village are happy, that their hand pump now is working again</p>		
Water Committee or Water User Goup	<p>No water committee but they will call a meeting to select or form water committee</p>		
Reserve Found	<p>Then to contribute money to open the bank account for water for operations and maintenance</p>		
Result and Remarks	<p>Enough water coming out after repairing the handpump. They now know to pull out the pump, repair the damaged parts and fix it again.</p>		

H.36 検査レポート S/N.36

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	36	Date	02 / 10 / 2010
District	URAMBO		
Ward	KALIUA	(No. 5)	
Village	ULINDWANONI	(No. 20)	
Sub-village	MTAPENDA	(No. 77)	Location : ALLY KAYUNGILO
Coordinate	Longitude 5.04	Latitude	31.70269
Pump Type	AFRIDEV		
Repairing Works	<p>Pull out the hand pump Removed the damaged spare parts Replacement of new spare parts - handle pump assembly 1 pc - flapper ruber 1 pc - cup u seal 1 pc Measurement: well depth 20m , water level 8m , pump position</p>		
Response and Situation of Village	<p>Village is very happy after their handpump produce enough water</p>		
Water Committee or Water User Goup	<p>No water committee</p>		
Reserve Found	<p>No water account</p>		
Result and Remarks	<p>The hand pump now is in good condition. Enough water is coming out Need district water office to visit the people there in order to form water committee and open water account.</p>		

H.37 検査レポート S/N.37

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	37	Date	/ / 2010
District	URAMBO		
Ward	KASHISHI	(No. 7)	
Village	ILEGE	(No. 29)	
Sub-village	SINDENI	(No. 111)	Location : JUAKALI LUHAGA
Coordinate	Longitude 4.44475	Latitude 32.28248	
Pump Type	AFRIDEV		
Repairing Works	<p>Pull out the hand pump Removal damaged spare parts Replacement fo new spare parts - bearing bush 4 pcs - Raiser main 4 pcs of 3.0m - Raiser socket 1 pc - Rod centralizer 3 pcs Measurements: well depth 41.0m , water level 1.50m , pump position 25.0 m</p>		
Response and Situation of Village	<p>People of the village are very happy after repairing their handpump</p> <p>Water Committee or Water User Goup They have a water committee of 6 people 3men and 3 women</p> <p>Reserve Found No water fund, but they intends to meet and discuss how they can contribute and open the water account</p>		
Result and Remarks	<p>The pump is producing enough water The committee know how to pull out the pump and fix it again</p>		

H.38 検査レポート S/N.38

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	38	Date	02 / 10 / 2010
District	URAMBO		
Ward	KAZAROH	(No. 8)	
Village	KAZAROH	(No. 41)	
Sub-village	KAZAROH	(No. 167)	Location KASWELE
Coordinate	Longitude 4.9892	Latitude 31.85708	
Pump Type	AFRIDEV		
Repairing Works	<p>Pull out the handpump Removal damaged spareparts Replacement fo new spare parts - Bearing bush 4 pcs - Rod centralizer 7 pcs - Flapper rubber 1 pc - U seal 1 pc - O Ring 1 pc Measurements: well depth 65m, water level 25m, pump position 49m</p>		
Response and Situation of Village	<p>The villagers are very happy with their handpump</p> <p>Water Committee or Water User Goup They have a water committee 6 pople, 3 men and 3 women</p> <p>Reserve Found They have water accoun in bank of Tshs. 80000/- intends to contribute up to Tshs. 350.00/=</p>		
Result and Remarks	<p>After repairing their handpump, enough water is coming out. District should or must visit the users time to time to discuss to increase water funds for the hand pump</p>		

H.39 検査レポート S/N.39

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	39	Date	01 / 10 / 2010
District	URAMBO		
Ward	MUUNGANO	(No. 10)	
Village	KALEMELA A	(No. 50)	
Sub-village	MAGHARIBI A	(No. 204)	Location : GEORGE
Coordinate	Longitude 4.99157	Latitude	32.03999
Pump Type	AFRIDEV		
Repairing Works	Handle pump assembly 1 pc, Raiser ro 3m 1 pc, bearing bush 4 pcs Raising main 3m 1pc , Rod 3m 1 pc , O ring 1 pc U seal 1 pc , Bearing Bush 4 pcs , Raising main socket 1 pc Measurment; well depth , water level , pump position		
Response and Situation of Village	The people of the village were very happy woth their handpump after repairing Water Committee or Water User Goup They have a water committee of 10 people 5 women and 5 men Reserve Found Have a bank account of Tshs. 300,000/^		
Result and Remarks	After repairing the handpump started to produce enough water. When we visited the handpump for inspection, we found the pump was no working. And told us that they tried to repair it but no water was coming out. We open and pull out the rods found in the piston valve U seal was turned upside down. Fixed again then when pumping the water started coming out again.		

H.40 検査レポート S/N.40

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	40	Date	01 / 10 / 2010
District	URAMBO		
Ward	MUUNGANO	(No. 10)	
Village	MUUNGANO	(No. 52)	
Sub-village	MTUKULA	(No. 215)	Location : SHABANI NASORO
Coordinate	Longitude 5.0112	Latitude	32.15071
Pump Type	AFRIDEV		
Repairing Works	Pull out the handpump Removal of the damaged spare parts Fixing the new spare parts - Bearing bush 4 pcs , U seal 1 pc , O ring 1 pc , Plunger assembly - Bolts and nuts 3 pcs , Flapper rubber 1 pc Measurment of well depth; - well depth 45.0m, water level 3.0m, pump position 33.0m		
Response and Situation of Village	The people were very happy after repairing their hand pump Water Committee or Water User Goup The water committee of 10 people 5 women and 5 men Reserve Found They dont have a water account, but intends to call a meeting chaired by the VEO to discuss and contribute money to open the water account		
Result and Remarks	Found enough water coming out, but they need more training on the cleanness of their well. Some were washing clothes near the well		

H.41 検査レポート S/N.41

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	41	Date	01 / 10 / 2010
District	URAMBO		
Ward	MUUNGANO	(No. 10)	
Village	MUUNGANO	(No. 52)	
Sub-village	MTAKUJA B	(No. 214)	Location : MTONI VILALI
Coordinate	Longitude 5.02764	Latitude	32.15096
Pump Type	AFRIDEV		
Repairing Works	<p>Pull out the handpump , remove the damaged parts Fix new spare parts , Bearing bush - 4 pcs U seal 1 pc , O ring 1 pc , Foot valve 1 pc Measurements: well depth 46.0m water level 12.0m pump position 28.0m</p>		
Response and Situation of Village	<p>People of the village are very happy after repairing the handpump and enough water was coming out</p> <p>Water Committee or Water User Goup There is water committee of 10 people 5 women and 5 men</p> <p>Reserve Found They dont have a water accounts, but intends to meet and discuss, contribute and open water account. The meeting will be chair by VEO</p>		
Result and Remarks	<p>Enough water was coming out Need more training on the maintenance of their handpump</p>		

H.42 検査レポート S/N.42

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	42	Date	01 / 10 / 2010
District	URAMBO		
Ward	SONGAMBELE	(No. 12)	
Village	UYOGO	(No. 63)	
Sub-village	UYOGO	(No. 268)	Location : MZEE MBOGO
Coordinate	Longitude 4.91117	Latitude	32.03369
Pump Type	AFRIDEV		
Repairing Works	<p>Pull out the handpump Removed damaged parts Deepening and clean the well Replacement of new spare parts - bearing bush 8 pcs , flapper rubber 1 pc , O ring 1 pc - U seal 1pc , rope 20m Measurement: - Well depth 8.5m, water level 5.0m, pump position 8.0m</p>		
Response and Situation of Village	<p>The people of that village are very happy with their handpump</p> <p>Water Committee or Water User Goup They have water committee of 6 people 3 women and 3 men.</p> <p>Reserve Found They dont have a water account, but intends to open bank account after meeting and contribute.</p>		
Result and Remarks	<p>Enough water coming out, need more training in pump maintenance and cleanliness fo their well.</p>		

H.43 検査レポート S/N.43

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	43	Date	02 / 10 / 2010
District	URAMBO		
Ward	UGUNGA	(No. 13)	
Village	TUOMBE MUNGU	(No. 65)	
Sub-village	KUSINI	(No. 275)	Location : SHULENI
Coordinate	Longitude 5.09016	Latitude 31.70812	
Pump Type	AFRIDEV		
Repairing Works	<p>Pull out the handpump, Removed damaged parts Replacement of new spare parts - Pump handle 1 pc , bearing bush 4 pcs , Rod centralizer 3 pcs - O ring 1 pc , Cup U Seal 1 pc , Flapper rubber 1 pc Measurements: well depth 45m, water level 9.0m, pump position 28m</p>		
Response and Situation of Village	<p>The people are very happy with their hand pump. They didnt know how they can get spare parts</p>		
Water Committee or Water User Goup	<p>They have a water committee of 8 people 4 women and 4 men</p>		
Reserve Found	<p>No water account</p>		
Result and Remarks	<p>Enough water is coming out of the handpump The district water department should go there to discuss the issue of contributing funds to open bank account for water</p>		

H.44 検査レポート S/N.44

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	44	Date	03 / 10 / 2010
District	URAMBO		
Ward	USINGE	(No. 18)	
Village	KOMBE	(No. 86)	
Sub-village	KOMBE	(No. 367)	Location : WAMBAAO
Coordinate	Longitude 5.05879	Latitude 31.94194	
Pump Type	AFRIDEV		
Repairing Works	<p>Pull out the handpump Removed damaged spare parts Replacement of new spare parts - cup u seal 2 pcs - bearing bush 4 pcs - flapper rubber 1 pc - cylinder pipe 1 pc Measurements: well depth 31m, water leve 5m and pump position 25m</p>		
Response and Situation of Village	<p>People are very happy to get water again</p>		
Water Committee or Water User Goup	<p>The water committee of 8 people 4 women and 4 men</p>		
Reserve Found	<p>No water account</p>		
Result and Remarks	<p>After repairing the handpump, enough water is coming out of the pump They want to call a meeting to discuss the issue of opening water account</p>		

H.45 検査レポート S/N.45

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	45	Date	03 / 10 / 2010
District	: URAMBO		
Ward	: USINGE	(No. 18)	
Village	: USINGE	(No. 90)	
Sub-village	: MAJENGO	(No. 382	Location : H. MUSTAPHA
Coordinate	: Longitude 5.0965	Latitude 31.30965	
Pump Type	: TANIRA		
Repairing Works			
Pull out the handpump			
Repairing well and apron			
Replacement of new spare parts			
- Shock absorber 1 pc , Sleeve bearing 1 pc			
- Pluncher ring 1 pc , cylinder complete 1 pc			
Measurements:			
- well depth 7.6m			
- water level 3m			
- pump position 6m			
Response and Situation of Village			
The people are very happy with their pump			
Water Committee or Water User Goup			
No water committee			
Reserve Found			
No water funds			
Result and Remarks			
After repairing enough water is coming out of the handpump.			
They want to call a meeting to discuss opeing water account			

H.46 検査レポート S/N.46

Hand pump Repairing under The Study on Rural Water Supply in Tabora Region

<< INSPECTION SHEET >>

S/No.	46	Date	03 / 10 / 2010
District	: URAMBO		
Ward	: USINGE	(No. 18)	
Village	: USINGE	(No. 90)	
Sub-village	: USINGE	(No. 390	Location : SHULENI
Coordinate	: Longitude 5.09286	Latitude 31.30639	
Pump Type	: TANIRA		
Repairing Works			
Construction of the apron			
Pull out the handpump			
Replacement of new spare parts			
- shock absorber 1 pc			
- sleeve bearing 1 pc			
Measurements:			
- well depth 7.10m			
- water level 4.0m			
- pump position 6.0 m			
Response and Situation of Village			
The people of the village wer very happy after their handpump started working again			
Water Committee or Water User Goup			
No water committee			
Reserve Found			
No water fund			
Result and Remarks			
Enough water is coming out of the handpump after repairing			
They want to meet to discuss about opeing the water account for their handpump			