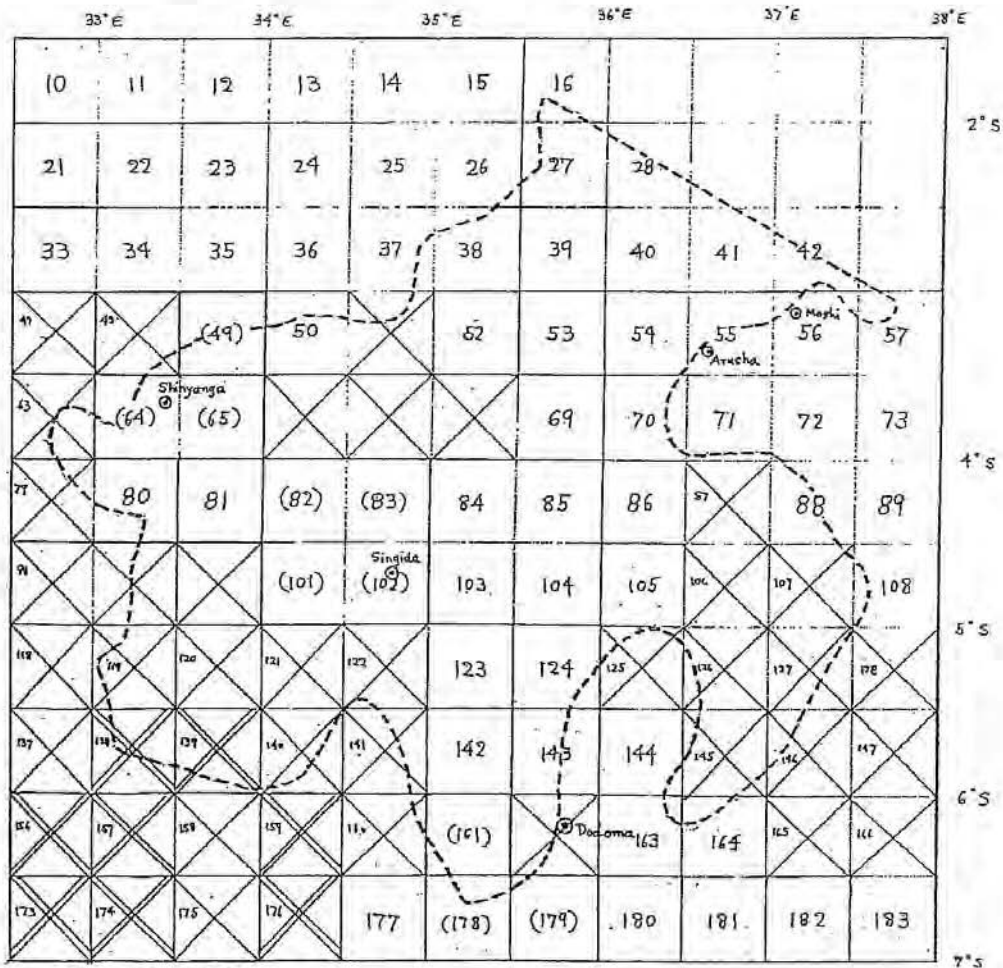


### Availability of Geological Map of 1:125,000 around the Internal Drainage Basin

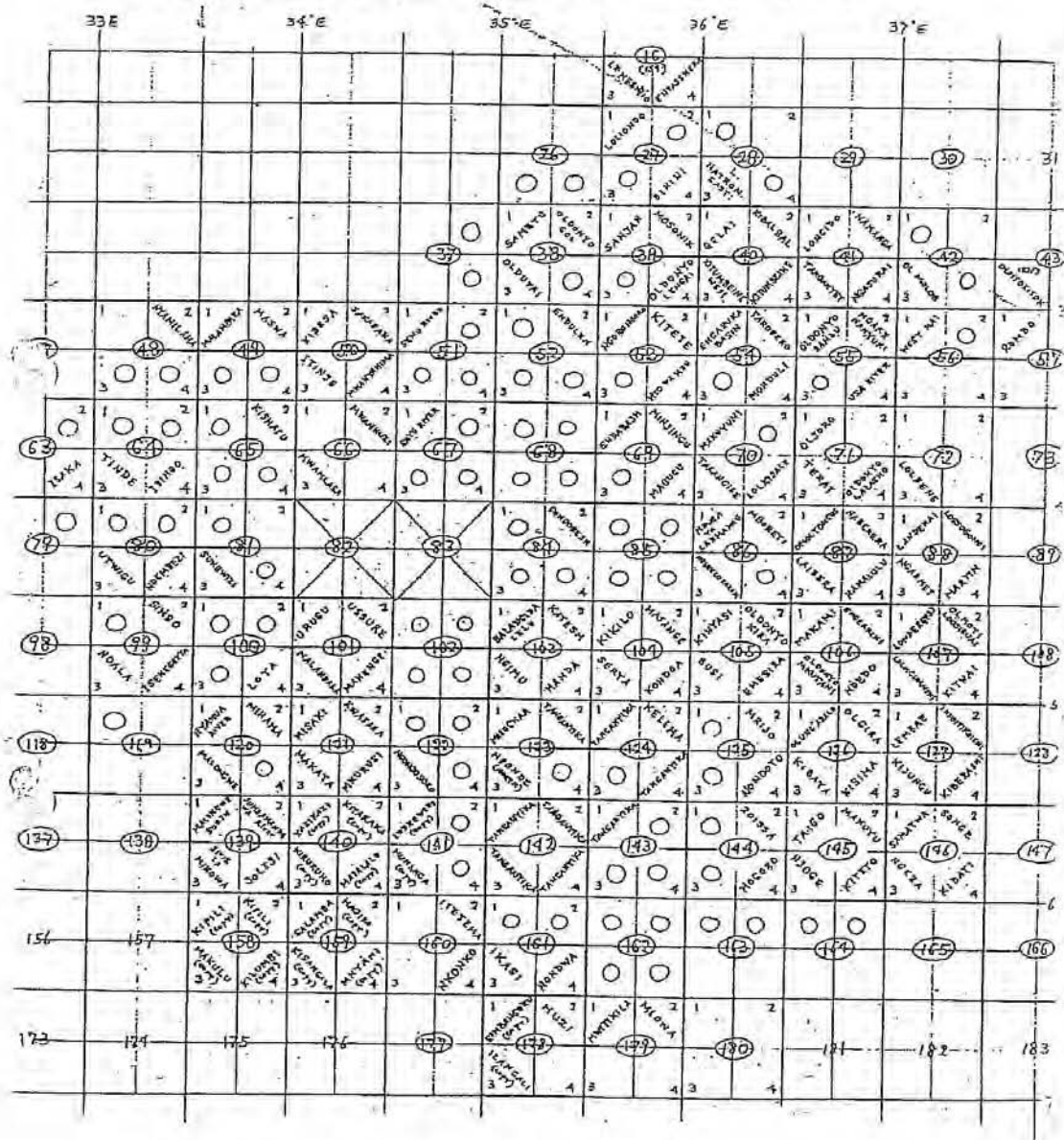


Map sales service:  
Geological Survey Department, Ministry of Energy and Mine, Dodoma.

- (65) Published at a scale of 1:250,000
- X Surveyed, but not yet published
- Not yet surveyed

### Availability of 1/50,000 Topographic Map around the Internal Drainage Basin

Map sales service:  
Topographic Survey Department, Ministry of Home Affairs, Dar es Salaam



- No. 32 and 33: Not available
- Sheet with sheet name: In stock (Ready for sale) (Tsh.4.00)
- Marked with ○ : Sold-out (Photocopy is available)

BOREHOLES CONSTRUCTED BY DDCA IN THE INTERNAL DRAINAGE BASIN								
S/N	Bh/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>2</sup> /hr)
1	210/97	Baptist Longido	Simanjiro	Arusha	1997	NR	NR	NR
2	215/97	Singa Mlilika I	Iramba	Singida	1997	NR	NR	NR
3	216/97	Singa Mlilika II	Iramba	Singida	1997	NR	NR	NR
4	217/97	Singa Mlilika III	Iramba	Singida	1997	NR	NR	NR
5	218/97	Singa Mlilika IV	Iramba	Singida	1997	NR	NR	NR
6	219/97	Singa Mlilika V	Iramba	Singida	1997	NR	NR	NR
7	223/97	Singa Kagoo	Iramba	Singida	1997	NR	NR	NR
8	231/97	Umoja - Myuji	Dodoma (U)	Dodoma	1997	NR	NR	NR
9	243/97	Hembehamba	Dodoma (U)	Dodoma	1997	NR	NR	NR
10	244/97	Zuzu	Dodoma (U)	Dodoma	1997	NR	NR	NR
11	245/97	Chwe	Dodoma (U)	Dodoma	1997	NR	NR	NR
12	248/97	Bigwa Sisters	Dodoma (U)	Dodoma	1997	NR	NR	NR
13	251/97	Mpepa	Mahiyoni	Singida	1997	120	38.4	NR
14	252/97	Chikola	Mahiyoni	Singida	1997	150	18.7	NR
15	255/97	Nkuli		Singida	1997	NR	NR	7.0
16	256/97	Choda		Singida	1997	102	26.95	NR
17	257/97	Basodathi		Arusha	1997	NR	NR	NR
18	258/97	Iponga		Arusha	1997	NR	NR	NR
19	258/97	Masquaroda		Arusha	1997	NR	NR	NR
20	261/97	Didia Manono		Shinyanga	1997	NR	NR	NR
21	262/97	Sayu Kasori		Shinyanga	1997	NR	NR	NR
22	303/97	Chiboli		Dodoma	1997	NR	NR	NR
23	304/97	Ilewelo		Dodoma	1997	NR	NR	3
24	305/97	Wilko		Dodoma	1997	NR	NR	5.6
25	348/97	Shy. Dist Council	Shinyanga (U)	Shinyanga	1997	22	4.8	0.0
26	348/97	Shy. Dist Council	Shinyanga (U)	Shinyanga	1997	22	4.8	1.5
27	348/97	Mkurusi		Singida	1997	NR	NR	1.5
28	350/97	Ilunda		Singida	1997	NR	NR	0.9
29	351/97	Magwelabi		Singida	1997	NR	NR	1.4
30	352/97	Ilunda		Singida	1997	NR	NR	
31	353/97	Zinzulu B		Singida	1997	NR	NR	
32	354/97	Kidigida A		Singida	1997	NR	NR	2.8

NR = Not Recorded; U = Urban; R = Rural

S/N	Bir/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
33	355/97	Singida A		Singida	1997	NR	NR	
34	356/97	Mwanga Kibibi		Singida	1997	NR	NR	
35	357/97	Mwanga Mwenda		Singida	1997	NR	NR	
36	371/97	Mpangwe		Dodoma	1997	NR	NR	
37	372/97	Nkoma		Dodoma	1997	NR	NR	
39	375/97	Mulebe		Dodoma	1997	NR	NR	
40	376/97	Chifutuka		Dodoma	1997	NR	NR	
41	382/97	Chitego		Dodoma	1997	NR	NR	
43	384/97	Lumuma		Dodoma	1997	NR	NR	
44	385/97	Lumuma		Dodoma	1997	NR	NR	
45	386/97	Ibinzamata		Dodoma	1997	NR	NR	
46	387/97	Suyu Mashube	Shinyanga (R)	Shinyanga	1997	72	NR	
47	388/97	Uduha Salawe	Shinyanga (R)	Shinyanga	1997	NR	NR	0.0
48	389/97	Songambele Machinjoni	Shinyanga (R)	Shinyanga	1997	34	5.35	
49	401/97	Magwelambi A		Shinyanga	1997	34	NR	
50	402/97	Nzinzilu B		Singida	1997	NR	NR	
51	403/97	Nkurusi		Singida	1997	NR	NR	
52	404/97	Iluna A		Singida	1997	NR	NR	
53	405/97	Nzinzilu A		Singida	1997	NR	NR	
54	406/97	Ilunda B		Singida	1997	NR	NR	
55	407/97	Knemakala A		Singida	1997	NR	NR	
56	408/97	Mlurdua A		Singida	1997	NR	NR	
57	409/97	Mlurdua B		Singida	1997	NR	NR	
58	410/97	Magwelambi B		Singida	1997	NR	NR	
59	411/97	Shulenti B Mwanga		Singida	1997	NR	NR	3.9
60	412/97	Kidigida B Mwanga		Singida	1997	NR	NR	0.0
61	413/97	Shulenti A Mwanga		Singida	1997	NR	NR	8.0
62	414/97	Singida C Mwanga		Singida	1997	NR	NR	3.9
63	415/97	Singida P Mwanga		Singida	1997	NR	NR	9.0
64	416/97	Sororaji		Singida	1997	NR	NR	0.0
65	417/97	Mpaligogo B		Singida	1997	NR	NR	0.0
66	418/97	Mpaligogo A		Singida	1997	NR	NR	6.0
67	419/97	Kiramakala B		Singida	1997	NR	NR	0.0
68	420/97	Kambi ya Nyasi		Dodoma	1997	NR	NR	0.2
69	421/97	Goima		Dodoma	1997	NR	NR	0.0

S/N	Bh/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
70	001/98	Chinoje I		Dodoma	1998	NR	NR	NR
71	002/98	Chinoje II		Dodoma	1998	NR	NR	NR
72	003/98	Utemini - Boaster	Singida (U)	Singida	1998		NR	NR
73	29/98	Chamwino	Dodoma (U)	Dodoma	1998		NR	19.8
74	31/98	Olasiva		Arusha	1998	NR	NR	4.4
75	56/98	Ovada		Dodoma	1998	NR	NR	NR
76	57/98	Mengu		Dodoma	1998	NR	NR	6.5
77	58/98	Kinyamshinda		Dodoma	1998	NR	NR	10
78	59/98	Kurto		Dodoma	1998	NR	NR	5.0
79	60/98	Gumbu		Dodoma	1998	NR	NR	5.0
80	61/98	Miyuji		Dodoma	1998	NR	NR	8.0
81	69/98	Chimotolo	Dodoma (U)	Dodoma	1998	NR	NR	10.0
82	75/98	Miyuji	Dodoma (R)	Dodoma	1998			4.5
83	76/98	Miyuji Mission	Dodoma (R)	Dodoma	1998			2.8
84	77/98	Manyoni	Manyoni	Singida	1998			16.8
85	78/98	Manyoni	Manyoni	Singida	1998			6.6
86	83/98	AG. Biblia College	Dodoma (U)	Dodoma	1998			3.1
87	90/98	Mwagwila Meatu	Meatu	Shinyanga	1998			
88	91/98	Kizumbi		Shinyanga	1998	NR	NR	
89	106/98	Kelima Mbuyuni	Kondoa	Dodoma	1998	NR	NR	9.0
90	107/98	Kelima Juu	Kondoa	Dodoma	1998	NR	NR	7.0
91	108/98	Bukutu	Kondoa	Dodoma	1998	NR	NR	5.0
92	109/98	Kidondo cheusi	Kondoa	Dodoma	1998	NR	NR	16.0
93	110A/98	Isusumya I	Kondoa	Dodoma	1998	NR	NR	N.R
94	110B/98	Isusumya II	Kondoa	Dodoma	1998	NR	NR	N.R
95	112/98	Namanga	Namanga	Arusha	1998	NR	NR	6.6
96	112/98	Namanga	Namanga	Arusha	1998	NR	NR	6.6
97	114/98	Silwa		Shinyanga	1998	NR	NR	N.R
98	134/98	Segalabulu		Dodoma	1998	NR	NR	N.R
99	135/98	Kisima cha Ndege		Dodoma	1998	NR	NR	N.R
100	139/98	Maswa town	Maswa	Shinyanga	1998	NR	NR	7.0
101	141/98	Longido	Monduli	Arusha	1998	NR	NR	3.0
102	142/98	Gua	Maswa	Shinyanga	1998	NR	NR	NR
103	143/98	Lalago	Maswa	Shinyanga	1998	NR	NR	NR
104	169/98	Bukombe		Shinyanga	1998	NR	NR	5.0

S/N	Bh/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
105	170/98	Singu	Mbulu	Arusha	1998	NR	NR	2.0
106	171/98	Getanyamba I	Mbulu	Arusha	1998	NR	NR	NR
107	172/98	Getanyamba II	Mbulu	Arusha	1998	NR	NR	5.0
108	173/98	Qwamtanamat	Mbulu	Arusha	1998	NR	NR	13.0
109	174/98	Labay	Mbulu	Arusha	1998	NR	NR	0.0
110	175/98	Masluq	Mbulu	Arusha	1998	NR	NR	14.4
111	176/98	Dirim	Mbulu	Arusha	1998	NR	NR	1.0
112	177/98	Isale	Mbulu	Arusha	1998	NR	NR	3.5
113	183/98	Mtumba	Dodoma (U)	Dodoma	1998	NR	NR	NR
114	184/98	Ihumwa	Dodoma (U)	Dodoma	1998	NR	NR	NR
115	185/98	Nkukungu	Dodoma (U)	Dodoma	1998	NR	NR	NR
116	186/98	Msalalo	Dodoma (U)	Dodoma	1998	NR	NR	NR
117	187/98	Iyumbu	Dodoma (U)	Dodoma	1998	NR	NR	4.0
118	189/97	Mbezi Company	Dodoma (U)	Dodoma	1997	NR	NR	0.24
119	225/98	Kilimani	Dodoma (U)	Dodoma	1998	NR	NR	0.8
120	247/98	Kadoto A		Shinyanga	1996	NR	NR	NR
121	248/98	Imalakoya		Shinyanga	1998	NR	NR	1.0
122	249/98	Urmoja		Shinyanga	1998	NR	NR	NR
123	250/98	Ushirika		Shinyanga	1998	NR	NR	1.0
124	257/98	Mwanvua		Shinyanga	1998	NR	NR	2.0
125	268/98	Bugaya mbele		Shinyanga	1998	NR	NR	0.0
126	269/98	Ibadakuli		Shinyanga	1998	NR	NR	0.0
127	270/98	Mipa Mission		Shinyanga	1998	NR	NR	20.0
128	271/98	Kilela - Mhina		Shinyanga	1998	NR	NR	0.0
129	272/98	Nyerere - Didia		Shinyanga	1998	NR	NR	0.0
130	273/98	Wafugeji M/A		Shinyanga	1998	NR	NR	0.0
131	274/98	Wafugeji M/B		Shinyanga	1998	NR	NR	0.0
132	275/98	Kakad - Nyamswa		Shinyanga	1998	NR	NR	0.0
133	276/98	Ukama - Mhungwa		Shinyanga	1998	NR	NR	0.0
134	277/98	Butambala	Bukombe	Shinyanga	1998	NR	NR	NR
135	278/98	Bugayambebe	Mbulu	Shinyanga	1998	NR	NR	1.0
136	279/98	Hayidom	Dodoma (U)	Arusha	1998	NR	NR	2.0
137	280/98	Mtyuji	Dodoma (U)	Dodoma	1998	NR	NR	13.2
138	281/98	Nkukungu	Dodoma (U)	Dodoma	1998	NR	NR	NR
139	292/98	Mirembe Hospital	Dodoma (U)	Dodoma	1998	NR	NR	NR
								1.0



S/N	Bh/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
140	370/98	Kiwaro Supply		Singida	1998	NR	NR	NR
141	274/98	Zunzuit		Shinyanga	1998	NR	NR	1.0
142	275/98	Mwani Hospital	Dodoma (U)	Dodoma	1998	NR	NR	0.0
143	383/98	Kililimo	Singida (U)	Singida	1998	NR	NR	NR
144	384/98	Ulemini Club		Singida	1998			13.2
145	385/98	Mangua		Singida	1998			1.0
146	392/98	Miyuji	Dodoma (U)	Dodoma	1998			6.8
147	393/98	Mwanga P. School	Dodoma (U)	Dodoma	1998			1.5
148	394/98	Gihandu I		Arusha	1998			0.0
149	395/98	Gihandu II		Arusha	1998			0.0
150	397/98	Iltqi		Singida	1998			0.9
151	398/98	Mlongoji	Manyoni	Singida	1998			2.5
152	396/98	Mughanga		Singida	1998			0.8
153	397/98	Iltqi		Singida	1998			0.9
154	398/98	Mlongoji	Manyoni	Singida	1998			2.5
155	399/98	Manyoni	Manyoni	Singida	1998			0.0
156	400/98	Manyoni	Manyoni	Singida	1998			0.0
157	408/98	Kidarafa B	Manyoni	Singida	1998			25
158	409/98	Munguzi A, Kidarafa		Singida	1998			3.6
159	410/98	Misali B Kidarafa		Singida	1998	NR	NR	0.58
160	411/98	Misali - Kidarafa		Singida	1998	NR	NR	1.7
161	412/98	Harcos B		Singida	1998			0.0
162	413/98	Sororaji Mwanga		Singida	1998	NR	NR	0.0
163	414/98	Kidigida		Singida	1998	NR	NR	0.0
164	415/98	Shuleni I		Singida	1998	NR	NR	0.0
165	416/98	Mwanga C		Singida	1998	NR	NR	0.0
166	417/98	Muguzi - Kida		Singida	1998	NR	NR	0.7
167	001/99	Mkoka		Singida	1998	NR	NR	
168	002/99	Kigamboni	Kongwa	Dodoma	1999	NR	NR	
169	003/99	Ipagala	NR	Dodoma	1999	NR	NR	5.1
170	004/99	Zuzu Power Station	NR	Dodoma	1999	NR	NR	4.0
171	009/99	Singida	Dodoma (R)	Dodoma	1999	NR	NR	
172	21/99	Kitilimo		Singida	1999	NR	NR	0.72
173	22/99	Burudani	Singida (U)	Singida	1999	NR	NR	
174	23/99	Ulemini Booster A	Singida (U)	Singida	1999	61	3.26	6.6
					1999	40	1.58	3.9

S/N	Bh/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
175	24/99	Utemini Booster B	Singida (U)	Singida	1999	52	1	11.31
176	59/99	Kilitimo	Singida (U)	Singida	1999	58	8.45	39.6
177	60/99	TGRS Yard	Singida (U)	Singida	1999	55	8.26	15.84
178	61/99	Uhasibu	Singida (U)	Singida	1999	90	19.16	14.6
179	129/99	Mitundu	Manyoni	Singida	1999	40	9.5	3.3
180	130/99	Mitoo	Manyoni	Singida	1999	82	25	4.17
182	131/99	Malangali	NR	Singida	1999	NR	NR	NR
182	167/99	Kiserian	NR	Arusha	1999	NR	NR	NR
183	131/99	Malangali	NR	Singida	1999	NR	NR	NR
184	167/99	Kiserian	NR	Arusha	1999	NR	NR	NR
185	468/99	Magula Kiombol	NR	Singida	1999	NR	NR	NR
186	204/99	Kidigida Shulenti	Singida	Singida	1999	80	11.34	3.13
187	206/99	Nkinto	Iramba	Singida	1999	NR	NR	1.2
188	208/99	Mwanga c/o ID	Iramba	Singida	1999	NR	NR	1.2
189	209/99	Mwanga Shule	Iramba	Singida	1999	50	2.5	0.56
190	211/99	Isaka	Kahama	Singida	1999	30	NR	2.5
191	212/99	Mrumba - I	Hanang	Shinyanga	1999	NR	NR	NR
192	213/99	Mrumba - II	Hanang	Arusha	1999	60	NR	0.0
194	214/99	Ishponga	Hanang	Arusha	1999	50	2.5	2.5
195	215/99	Hirbadaw	Hanang	Arusha	1999	NR	NR	0.0
196	216/99	Mwanga	Hanang	Arusha	1999	43	9.34	1.6
197	217/99	Dangalida	Hanang	Arusha	1999	21	2.3	5.6
198	221/99	Gidas	Babali	Arusha	1999	34	NR	0.0
199	222/99	Ufana -	Babali	Arusha	1999	80	NR	1.5
200	223/99	Maisaka 'A'	Babali	Arusha	1999	56	NR	0.0
201	241/99	Shangrila I	Mbulu	Arusha	1999	54	0.8	15.8
202	242/99	Shangrila II	Mbulu	Arusha	1999	100	54.68	1.5
203	243/99	Shangrila III	Mbulu	Arusha	1999	100	52	3.4
204	244/99	Shangrila IV	Mbulu	Arusha	1999	NR	NR	3.6
205	245/99	Shangrila V	Mbulu	Arusha	1999	NR	NR	40.0
206	316/99	Dongo	Mbulu	Arusha	1999	NR	NR	35.0
207	319/99	Magungu	Kilelesh	Manyara	1999	NR	NR	0.0
208	320/99	Kileto Mjini	Kileto	Manyara	1999	120	NR	7.0
209	321/99	Nkukungu	Kileto	Manyara	1999	86	NR	0.0
210	349/99	Ngarantoni	Dodoma	Dodoma	1999	100	NR	0.0
			Arumeru	Arusha	1999	90	38.1	1.4
								0.8



S/N	Bh/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
211	365/99	Mwajili	Shinyanga	Shinyanga	1999			0.0
212	383/99	Mbwanga	Dodoma	Dodoma	1999	NR	NR	2.37
213	384/99	Kigwa	Dodoma	Dodoma	1999	NR	NR	0.02
214	385/99	Miyuji	Dodoma	Dodoma	1999	NR	NR	0.67
215	386/99	Chinengali West	Dodoma	Dodoma	1999	NR	NR	1.0
216	387/99	Magasani	Dodoma	Dodoma	1999	NR	NR	0.0
217	388/99	Miyuji South	Dodoma	Dodoma	1999	NR	NR	1.2
218	468/99	Magula	Kiombol	Singida	1999	80	11.34	3.13
219	515/99	Iraae	Kondoa	Dodoma	1999	NR	NR	NR
220	516/99	Dinae	Kondoa	Dodoma	1999	NR	NR	NR
221	517/99	Dinae	Kondoa	Dodoma	1999	NR	NR	NR
222	518/99	Kwahemu - Dodoma	Dodoma	Dodoma	1999	NR	NR	NR
223	564/99	Kisolyani	Dodoma	Dodoma	1999	NR	NR	NR
224	565/99	Ibadakuli	Monduli	Arusha	1999	NR	NR	NR
225	566/99	Ugambalele	Shinyanga	Shinyanga	1999	NR	NR	4.5
226	565/99	Dongo	Dodoma (U)	Dodoma	1999	NR	NR	NR
227	586/99	Chiwondo	Dodoma	Dodoma	1999	NR	NR	NR
228	587/99	Dhrise	Kondoa	Dodoma	1999	NR	NR	NR
229	688/99	Asanje	Dodoma	Dodoma	1999	NR	NR	NR
230	589/99	Bicha -	Dodoma	Dodoma	1999	NR	NR	NR
231	594/99	Mwawanza A	Shinyanga	Shinyanga	1999	NR	NR	NR
232	595/99	Mwawanza B	Shinyanga	Shinyanga	1999	NR	NR	NR
233	596/99	Ndala	Shinyanga	Shinyanga	1999	38	1.25	0.0
234	66/2000	Makala	Manyoni	Singida	2000	45		0.32
235	87/2000	Kalangali	Manyoni	Singida	2000	NR	NR	BY-0.1
236	97/2000	Kangeme IV	Shinyanga	Shinyanga	2000	NR	NR	NR
237	98/2000	Ulova II	Shinyanga	Shinyanga	2000	NR	NR	NR
238	99/2000	Ulova VIII	Shinyanga	Shinyanga	2000	NR	NR	NR
239	100/2000	Nkendya	Shinyanga	Shinyanga	2000	40	4.7	2.5
240	226/2000	Ndala P/ School	Shinyanga	Shinyanga	2000			4.4
241	227/2000	Nagezi - Mwawaza	Shinyanga	Shinyanga	2000			13.0
242	120/2001	Miyombo Estate	Babai	Arusha	2000	57		0.0
243	455/2000	Maweninga I	Babai	Arusha	2000			0.0
244	456/2000	Maweninga II	Babai	Arusha	2000			0.0
245	457/2000	Katesh	Hanang	Arusha	2000	75		0.5

S/N	Btr/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
246	118/2001	Lengasit (US Embassy)	Arumeru	Arusha	2001	176		0.0
247	122/2001	Maji Ckchad Mang'ola (E.W.B)	Karatu	Arusha	2001	42		9.0
248	123/2001	Yobas-Mang'ola (E.W.B)	Karatu	Arusha	2001	76		36.0
249	124/2001	Milomwilli Sengisi (MFA)	Arumeru	Arusha	2001	52	2.6	6.55
250	226/2000	Ndala P/ School	Shinyanga	Shinyanga	2000			4.4
251	227/2000	Negazi - Mwawaza	Shinyanga	Shinyanga	2000			13.0
252	120/2001	Miyombo Estate	Babali	Arusha	2000	57		0.0
253	455/2000	Maweninga I	Babali	Arusha	2000			0.0
254	456/2000	Maweninga II	Babali	Arusha	2000			0.0
255	457/2000	Katesh	Hanang	Arusha	2000	75		0.5
256	118/2001	Lengasit (US Embassy)	Arumeru	Arusha	2001	176		0.0
257	122/2001	Maji Ckchad Mang'ola (E.W.B)	Karatu	Arusha	2001	42		9.0
258	123/2001	Yobas-Mang'ola (E.W.B)	Karatu	Arusha	2001	76		36.0
259	124/2001	Milomwilli Sengisi (MFA)	Arumeru	Arusha	2001	52	2.6	6.6
260	125/2001	Ngyani	Arumeru	Arumeru	2001	52		0.0
261	126/2001	Katech Town (DED)	Hanang	Arusha	2001	75	63.15	0.5
262	148/2001	Ngejisosia	Arumeru	Arusha	2001	46	7	14.0
263	165/2001	Lengasit	Simanjiro	Manyara	2001	140		0.0
264	165/2001	Samaria II	Arumeru	Arusha	2001	70	55.4	0.0
265	177/2001	Magungu (Hamit Estate)	Babali	Arusha	2001	41	19.65	3.7
266	121/2001	Miyombo Estate	Babali	Arusha	2001	61		0.0
267	53/2001	Sejeli	Kongwa	Dodoma	2001	90	58.2	16.0
268	226/2000	Ndala Primary School	Shinyanga	Shinyanga	2000	80		35.9
269	227/2000	Ndala Negazi II	Shinyanga	Shinyanga	2000	88	3.22	13.2
270	228/2000	Mwawaza I	Shinyanga	Shinyanga	2000	60	1.85	8.8
271	229/2000	Mwawaza II	Shinyanga	Shinyanga	2000	72	1.3	72.0
272	230/2000	Mwawaza III	Shinyanga	Shinyanga	2000	61	2.52	15.84
273	231/2000	Mwawaza IV	Shinyanga	Shinyanga	2000	80	2.67	8.25
274	277/2000	Mwawaza V	Shinyanga	Shinyanga	2000	62	3.82	3.4
275	278/2000	Mwawaza VI	Shinyanga	Shinyanga	2000	60	14.54	36.0
276	279/2000	Mwawaza VII	Shinyanga	Shinyanga	2000	76	4.4	7.2
277	280/2000	Mwawaza VIII	Shinyanga	Shinyanga	2000	70		
278	281/2000	Mwawaza IX	Shinyanga	Shinyanga	2000	70		
279	282/2000	Mwawaza X	Shinyanga	Shinyanga	2000	54	1.1	1.8
280	283/2000	Mwawaza XI	Shinyanga	Shinyanga	2000	80	0.4	13.2

S/N	Bh/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
281	284/2000	Mwawaza XIII	Shinyanga	Shinyanga	2000	65	3	7.2
282	290/2000	Mwawaza XIV	Shinyanga	Shinyanga	2000	70	1.76	2.2
283	291/2000	Mwawaza XV	Shinyanga	Shinyanga	2000	44	0	20.3
284	292/2000	Mwawaza XVI	Shinyanga	Shinyanga	2000	92	0	0.0
285	293/2000	Mwawaza XVI Nhelegani 'A'	Shinyanga	Shinyanga	2000	74	1.96	3.3
286	294/2000	Mwawaza VIII 'B'	Shinyanga	Shinyanga	2000	84	6.6	4.12
287	359/2000	Ihumbili	Shinyanga	Shinyanga	2000	38		31.6
288	400/2000	Ihimbili	Shinyanga	Shinyanga	2000	32	3.06	0.33
289	401/2000	Machinjoni	Shinyanga	Shinyanga	2000	39	6.7	0.66
290	402/2000	Kadoto	Shinyanga	Shinyanga	2000	45	9.21	0.57
291	403/2000	Solwa	Shinyanga	Shinyanga	2000	50		40.26
292	404/2000	Kashaka 'A'	Shinyanga	Shinyanga	2000	26		NR
293	405/2000	Kashaka 'B'	Shinyanga	Shinyanga	2000	NR	NR	NR
294	406/2000	Utemini	Shinyanga	Shinyanga	2000	NR	NR	NR
295	407/2000	Mseki 'B'	Shinyanga	Shinyanga	2000	NR	NR	NR
296	408/2000	Makongolo	Shinyanga	Shinyanga	2000	NR	NR	NR
297	409/2000	Kazaroho	Shinyanga	Shinyanga	2000	NR	NR	NR
298	410/2000	Nyamitu	Shinyanga	Shinyanga	2000	NR	NR	NR
299	510/2000	Ujenzi Shinyanga I	Shinyanga	Shinyanga	2000	20.55	5	NR
300	511/2000	Ujenzi Shinyanga II	Shinyanga	Shinyanga	2000	30.4	5	NR
301	512/2000	Ujenzi Shinyanga III	Shinyanga	Shinyanga	2000			0.0
302	97/2001	Bariadi Prison	Shinyanga	Shinyanga	2001	25	5.9	2.25
303	321/2000	Kintanula I	Singida	Singida	2000	26		
304	322/2000	Kintanula II	Singida	Singida	2000	NR	NR	NR
305	238/2001	Samaria II	Arumeru	Arumeru	2001	41	6	2.6
306	89/2002	Magugu II	Babati	Arusha	2002	65	14	9.0
307	314/2001	Magugu	Babati	Arusha	2001	64	16.9	8.0
308	90/2002	Engusero Sidan	Kileleshwa	Mariyara	2002	92.92	23.97	0.0
309	243/2001	Arikaria Monduli	Monduli	Arusha	2001	162		0.0
310	244/2001	Engikaret	Monduli	Arusha	2001	148.6		0.0
311	347/2001	Mto wa Mbu	Monduli	Arusha	2001	98.75	3.95	11.3
312	367/2001	Makuyuni	Monduli	Arusha	2001	101	30.95	1.44
313	371/2001	Naiti I	Monduli	Arusha	2001	124		0.0
314	385/2001	Naiti II	Monduli	Arusha	2001	143	76.08	0.0
315	366/2001	Natorfia Ndoroboni	Monduli	Arusha	2001	96	53.3	9.9

S/N	Bh/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
316	006/002	Mlo wa Mbu	Monduli	Anusha	2002	102	8.27	15.8
317	277/2002	Makuyuni	Monduli	Anusha	2002	130	40.65	5.0
318	186/2001	Lengasili	Simanjiro	Manyara	2001	176		0.0
319	219/2001	Lengasili	Simanjiro	Manyara	2001	140		0.0
320	220/2001	Lengasili	Simanjiro	Manyara	2001	176		0.0
321	221/2001	Lengasili	Simanjiro	Manyara	2001	160		0.0
322	380/2001	Kilwa B	Simanjiro	Manyara	2001	48	30.37	7.2
323	381/2001	Merereni	Simanjiro	Manyara	2001	76	21.4	13.2
324	124/2002	(Word Vision) Naisinyal	Simanjiro	Manyara	2002	62	20.7	
325	367/2002	Ombili	Kondoa	Dodoma	2002	182.5		0.0
326	52/2002	Bukulu	Kondoa	Dodoma	2002	90	0	20.0
327	53/2002	Wisuzale	Kondoa	Dodoma	2002	154	96.99	7.0
328	138/2002	Mkoka	Kongwa	Dodoma	2002	100		0
329	119/2002	Dodoma	Dodoma (u)	Dodoma	2002	100	13.83	15
330	269/2001	Ibuzamata	Shinyanga	Shinyanga	2001	110	6.65	7.2
331	270/2001	Kilangiri	Shinyanga	Shinyanga	2001	83	8.67	0.99
332	271/2001	Matanda	Shinyanga	Shinyanga	2001	82	4.5	1.32
333	390/2001	Kiluo cha Reili Shinyanga	Shinyanga	Shinyanga	2001	72		2.25
334	330/2001	Maganzo	Shy/Rural	Shinyanga	2001			0.0
335	130/2001	Mwanduru	Shy/Rural	Shinyanga	2001	55	13.75	1.4
336	131/2001	Mwasekegi	Shy/Rural	Shinyanga	2001	50	32.76	0.5
337	132/2001	Songambale	Shy/Rural	Shinyanga	2001	42	9.83	1.6
338	133/2001	Songambale	Shy/Rural	Shinyanga	2001	40	9.57	0.66
339	134/2001	Zunve	Shy/Rural	Shinyanga	2001	30		0.0
340	96/2002	Kilimo	Singida U'	Singida	2002	100		0.0
341	97/2002	Kilimo	Singida U'	Singida	2002	86.5	28.7	15.84
342	110/2002	Kilimo	Singida U'	Singida	2002	85	15.15	15.84
343	111/2002	Mungumaji	Singida U'	Singida	2002	100		
344	277/2002	Mwaweza	Shy. Mun	Shy	2002	55	2.21	
345	301/2002	Nyahumbili	Maswa	Shinyanga	2002	35.15	Dry	13.2
346	302/2002	Nyabusia I	Maswa	Shinyanga	2002	32		
347	303/2002	Nyabusia II	Maswa	Shinyanga	2002	30.6		0.0
348	304/2002	Ng wamhengo	Maswa	Shinyanga	2002	19.96	NR	0.0
349	305/2002	Ibanda	Maswa	Shinyanga	2002	22.36	NR	NR
350	307/2002	Emishie	Simanjiro	Manyara	2002	100		0.0

S/N	Bh/No.	Area/Village	District	Region	Year Constructed	Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
351	308/2002	Sotasote	Simanjoro	Manyara	2002	120		0.0
352	331/2002	Gula Mlision	Maswa	Shinyanga	2002	81.4	4.4	1.0
353	350/2002	Buhanglila	Shy. Mlin	Shinyanga	2002		NR	
354	351/2002	Mwakata Mlision	Kahama	Shinyanga	2002		NR	
355	413/2002	Sundu	Singida	Singida	2002	43.65	4	3.15
356	414/2002	Mlitatu	Singida	Singida	2002	43	5.8	2.4
357	415/2002	Ikenga	Singida	Singida	2002	52.65	11.05	
358	416/2002	Idumunku	Singida	Singida	2002	35	NR	
359	417/2002	Misingila	Singida	Singida	2002	56	NR	0.0
360	418/2002	Mlisi	Singida	Singida	2002	41	NR	
361	419/2002	Mghisu	Singida	Singida	2002	32	NR	
362	420/2002	Mmbighenti	Singida	Singida	2002	47	4.05	9.9
363	421/2002	Mfumbu	Singida	Singida	2002	51	7.35	1.029
364	422/2002	Ngaida	Singida	Singida	2002	35	26.9	0.0
365	423/2002	Irao	Singida	Singida	2002	41	4.05	
366	424/2002	Kisaki A	Singida	Singida	2002	44		
367	433/2002	Ikusi	Singida	Singida	2002	47	15.32	
368	434/2002	Misuma	Singida	Singida	2002	50		
369	450/2002	Ibadakuli I	Shinyanga Mun.	Shinyanga	2002	42	2.57	6.0
370	451/2002	Ibadakuli II	Shinyanga Mun.	Shinyanga	2002	32	NR	0.0
371	457/2002	Chilonwa I	Dodoma 'R'	Dodoma	2002	74	2.8	0.0
372	458/2002	Chilonwa II	Dodoma 'R'	Dodoma	2002	48.6	3.6	9.0
373	498/2002	Muhanga	Manyoni	Singida	2002	80		0.0
374	499/2002	Njuki	Singida	Singida	2002	50	NR	
375	24/2003	Ibadakuli	Shinyanga Mun.	Shinyanga	2003	63	7.79	6.0
376	25/2003	Nyasamba	Shinyanga 'R'	Shinyanga	2003	54		0.0
377	24/2003	Rotla I	Karatu	Anusha	2003	100	77.8	
378	25/2003	Rotla II	Karatu	Anusha	2003	100		
379	88/2003	Mzakwe	Dodoma 'U'	Dodoma	2003	100		
380	138/2003	Mwiseme	Shinyanga	Shinyanga	2003	30	15	0.0
381	139/2003	Mwandulu	Shinyanga	Shinyanga	2003	50	9.35	1.2
382	140/2003	Ipango	Shinyanga	Shinyanga	2003	63.2	5.65	2.4
383	141/2003	Songambela	Shinyanga	Shinyanga	2003	43	12.8	1.2
384	142/2003	Mishapo	Shinyanga	Shinyanga	2003	4.27		-0.3
385	220/99	Ibutanishuzi	Igunga	Tabora	1999			-1.2

S/N	BH/No.	Area/Village	District	Region	Year		Depth (m)	SWL (m)	Specific Yield (m <sup>3</sup> /hr)
					Constructed				
386	264/99	Imalangusu	Igunga	Tabora	1999			1.36	
387	265/99	Mwazizi	Igunga	Tabora	1999			0.0	
388	266/99	Usongo	Igunga	Tabora	1999			1.2	
389	267/99	Ulaya	Igunga	Tabora	1999			0.9	
390	287/2002	Matinje I - NDC	Igunga	Tabora	2002	100		0.0	
391	288/2002	Matinje II NDC	Igunga	Tabora	2002	80		0.0	
392	405/2002	Miyuji I (M/s Oliver Tarimo)	Dodoma	Dodoma	2002	52		0.0	
393	406/2002	Miyuji II (M/s Oliver Tarimo)	Dodoma	Dodoma	2002	41	8.6	1.0	
394	407/2002	Nkhoma (M/s W/Vision)	Dodoma	Dodoma	2002	32	4.5	24.1	
395	408/2002	Mbabala I (M.s W/Vision)	Dodoma	Dodoma	2002	30	14.8	1.3	
396	409/2002	Mbabala II ( W/Vision)	Dodoma	Dodoma	2002				
397	457/2002	Chilonwa I (TASAF)	Dodoma	Dodoma	2002	74		0.0	
398	458/2002	Chilonwa II (TASAF)	Dodoma	Dodoma	2002	49.6	3.6	9.0	
399	172/2003	Msalato	Dodoma	Dodoma	2003				
400	225/2003	Mzakwa II (DWR)	Dodoma	Dodoma	2003	100			
401	226/2003	Mzakwa II (DWR)	Dodoma	Dodoma	2003	100			
402	460/2002	Engangegnare	Kiteto	Manyara	2002	100		0.0	
403	461/2002	Engisero Sidan	Kiteto	Manyara	2002	80		0.0	
404	462/2002	Osteti I	Kiteto	Manyara	2002	112		0.0	
405	463/2002	Osteti II	Kiteto	Manyara	2002	50		0.0	
406	466/2002	Osteti III	Kiteto	Manyara	2002	100		0.0	
407	467/2002	Namelock	Kiteto	Manyara	2002	120	83.46	3.0	
408	287/2003	Osteti III	Kiteto	Manyara	2003	137			
409	297/2003	Osteti IV	Kiteto	Manyara	2003	120			
410	166/2003	Osteti V	Kiteto	Manyara	2003	163	102	0.0	
411	167/2003	Osteti VI	Kiteto	Manyara	2003	116		0.0	
412	170/2003	Enganguengale B	Kiteto	Manyara	2003	76	32.53	3.5	
413	168/2003	Orkusmet A	Simanjiro	Manyara	2003	130		0.0	
414	169/2003	Orkusmet B	Simanjiro	Manyara	2003	120		0.0	
415	436/2002	Mahumbu Sec school	Shinyanga (U)	Shinyanga	2002	51.3	14.4	8.0	



Reference Cost of Automatic Meteorological Observation Stations and Water Level Loggers / Staff gauges under use in Rufiji River Basin

(1) Water Level Loggers (WLL)

- Float type: Shaft encoder WLL OTT-Hydrometry (Germany)-----USD700.00
- Pressure transducer WLL OTT-Hydrometry
  - For groundwater level measurement (Aquanaut)-----Euro 1,450.00
  - For surface/groundwater use (Orpheus)-----Euro 2,000.00

(Float type equipment is low-price and easily maintained, but requires high cost for construction of stilling well ranging from 0.5 to 1.5 million shillings. On the contrary, pressure type requires smaller installation cost, although equipment itself cost higher.)

(2) Staff Gauges

- 1 meter gauging plate (enameled steel plate gauge with figure and fixing elements -----USD 88.00

(3) Complete set of meteorological observation station, equipped with rugged data-logger and solar power system and normal battery, including sensors for temperature, humidity, atmospheric pressure, wind intensity/direction, total/net radiation and rainfall -----Ranges between USD 7,500.00 and 10,000.00

Cost of evaporation pan is not included in above weather station, and cost for installation of equipment and fencing work approximates Tshs.600,000.00