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THE WATER RESOURCES MANAGEMENT ACT (CAP.331)

NOTICE

(Made under section 37(1))

THE WATER RESOURCES MANAGEMENT (RUFJI BASIN MKOJI WATER SOURCES
PROTECTED ZONE ESTABLISHMENT) NOTICE, 2021

Citation	This notice may be cited as Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment) Notice, 2021.
Establishment of protected zone	The areas specified in the Schedule to this Notice are hereby established to be Rufiji Basin Mkoji Water Sources Protected Zone.
Prohibited activities	For purposes of protection and Conservation of Water Sources specified under paragraph 2 of this Notice, human activities on and within the boundaries of the protected zone are hereby prohibited.

*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

Gn. No. 784 (Contd.)

SCHEDULE

(Made under paragraph 2)

RUFJI BASIN MMKOJI WATER SOURCES PROTECTED AREA

Rufiji Basin Mkoji Water Sources Projected Area is within Mkoji Sub catchment in the Great Ruaha catchment located in Mbeya Rural district Mbeya Region, composed of twenty five (25) Water Sources namely Haiyan, Silyoha, Havulwa, Hamwenje, Shilago na Mwandiya streams, Gombe Mbeya, Mwambilizi River, Pandezi, Nook, Ndova, Nsalala, Savyutusu, Nzonde, Mwabuli, Hatoto, Shyomo, Isangati, Nzala, Lugawa, Mpindi, Shuleni, Jereman, Ipezi, Ishuba, Simwandelile.

1. HAYUYA WATER SOURCE PROTECTED AREA

Hayuya water source protected area is 108,246.147 square meters located at Kamwenje village in Mbeya Rural district Mbeya Region. The source was identified 1997 and demarcated in 2016. The water source is located at Xmin 33.643, Ymin -8.849, Xmax 33.654 and Ymax -8.842. The topology of the water source has Minimum Altitude is 1509m and Maximum Altitude is 1526m above sea level (Recorded by Global Positioning System - GPS). It is located at South West of Inyala center through Iringa - Mbeya main road.

COORDINATES FOR HAYUYA WATER SOURCE PROTECTED AREA

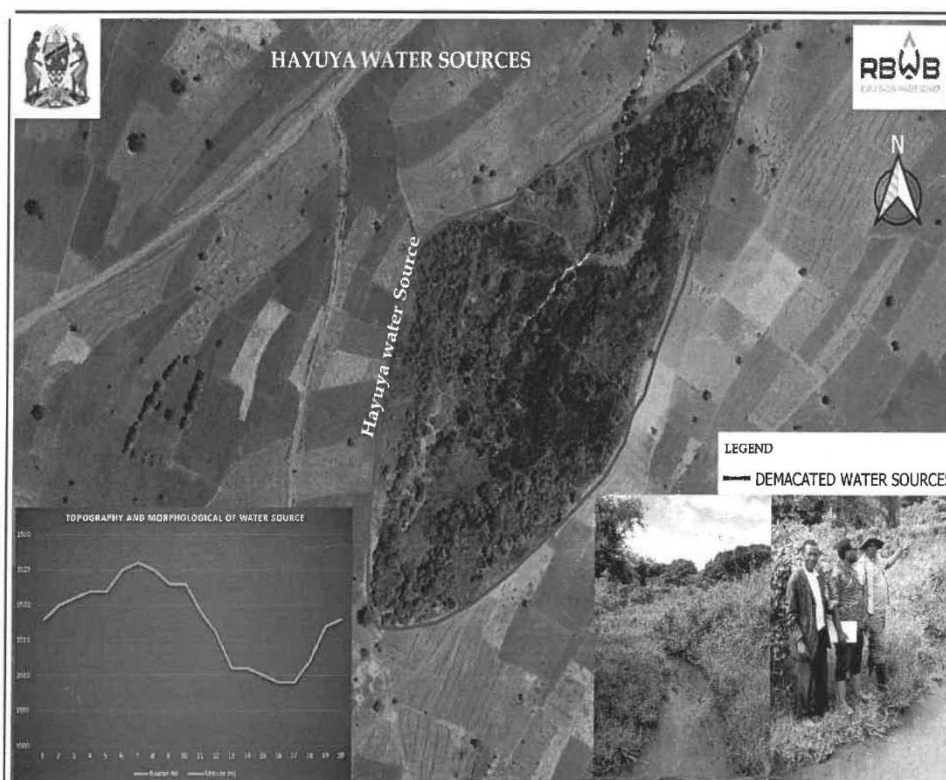
Beacon No.	Lat	Long	Altitude (M)	Beacon No.	Lat	Long	Altitude (M)
1	-8.84422	33.64795	1518	11	-8.84446	33.65054	1519
2	-8.84467	33.64773	1520	12	-8.84372	33.65078	1516
3	-8.84503	33.6477	1521	13	-8.84298	33.65108	1511
4	-8.84598	33.64756	1522	14	-8.84267	33.65125	1511
5	-8.84722	33.64762	1522	15	-8.8424	33.65123	1510
6	-8.84703	33.64852	1525	16	-8.84263	33.6508	1509

Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

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7	-8.84682	33.64885	1526	17	-8.84319	33.65002	1509
8	-8.84601	33.64979	1525	18	-8.84336	33.64951	1512
9	-8.8455	33.65005	1523	19	-8.84375	33.64891	1517
10	-8.84535	33.65015	1523	20	-8.84395	33.64821	1518

MAP SHOWING HAYUYA WATER SOURCE PROTECTED AREA IN MBEYA RURAL DISTRICT MBEYA REGION.



2. SILYOHA PROTECTED WATER SOURCE AREA

Silyoha water source protected area is 19,379.037 square meters located in Mwashoma village in Mbeya Rural district Mbeya Region, the source was identified 2003 and demarcated in 2016. The water source extent is located at Xmin 33.594, Ymir -8.875, Xmax 33.597 and Ymax - 8.873. The topology of the water source Minimum Altitude is 1617m and Maximum. Altitude is 1622m above sea level (Recorded by Global Positioning System - GPS). It is located at South West of Inyala center through Iringa - Mbeya main road.

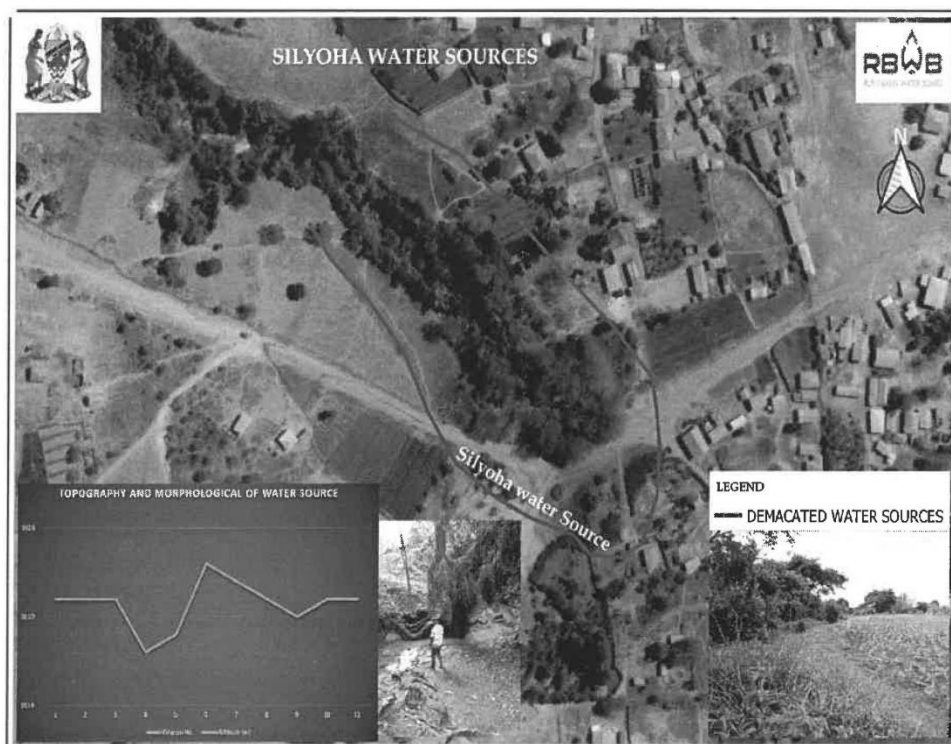
*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

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COORDINATES FOR SILYOHA WATER SOURCE PROTECTED AREA

Beacon No.	Lat	Long	Altitude (m)
1	-8.87448	33.59626	1620
2	-8.87434	33.596240H	1620
3	-8.87434	33.59576	1620
4	-8.87337	33.59499	1617
5	-8.87383	33.59462	1618
6	-8.87497	33.59551	1622
7	-8.87506	33.59568	1621
8	-8.87513	33.59587	1620
9	-8.87524	33.59599	1619
10	-8.87519	33.59618	1620
11	-8.87478	33.59628	1620

MAP SHOWING SILYOHA WATER SOURCE PROTECTED AREA IN MBEYA RURAL DISTRICT MBEYA REGION



3. HAVULWA PROTECTED WATER SOURCE AREA

Havulwa water source protected area is 54,261.371 square meters located in Tembela village in Mbeya Rural district Mbeya Region. The source was identified 2002 and demarcated in 2016. The water source extent is located at Xmin 33.622 Ymin-8.890 Xmax 33.631 and Ymax -8.884. The topology of the water source has Minimum altitude of 1509m and Maximum. Altitude is

1526m above sea level (Recorded by Global Positioning System - GPS). It is located at South West of Inyala center through Iringa - Mbeya main road.

COORDINATES FOR HAVULWA WATER SOURCE PROTECTED AREA MAP

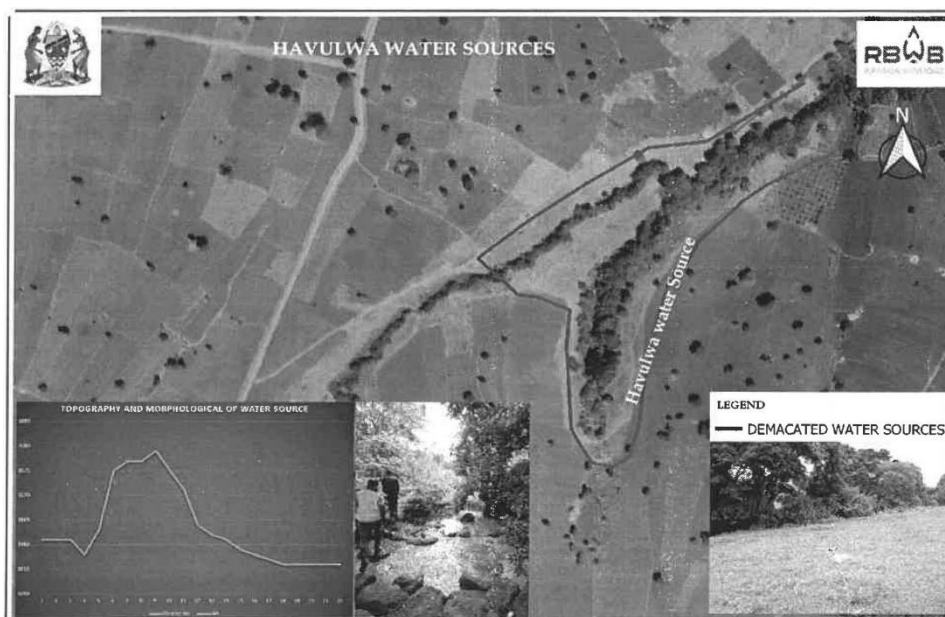
Beacon No.	Lat	Long	Altitude (m)	Beacon No.	Lat	Long	Altitude (m)
J	-8.88714	33.62519	1661	12	-8.88638	33.62715	1664
2	-8.88717	33.62538	1661	13	-8.88602	33.62755	1662

Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

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3	-8.88732	33.62569	1661	14	- 8.88578	33.62802	1661
4	-8.88768	33.62608	1658	15	-8.8857	33.6282	1659
5	-8.88765	33.62566	1663	16	- 8.88566	33.62758	1658
6	-8.88852	33.62571	1675	17	- 8.88499	33.62792	1657
7	-8.8889	33.62609	1677	18	-8.8855	33.62712	1656
8	-8.88881	33.62626	1677	19	- 8.88558	33.62698	1656
9	-8.88814	33.62639	1679	20	- 8.88565	33.62644	1656
10	-8.8874	33.62652	1675	21	- 8.88602	33.62582	1656
11	-8.88677	33.62682	1671	22	- 8.88678	33.62479	1656

SHOWING HAVULWA WATER SOURCE PROTECTED AREA IN MBEYA RURAL DISTRICT MBEYA REGION



*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
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Gn. No. 784 (Contd.)

4. HAMWENJE PROTECTED WATER SOURCE AREA

Hamwenje water source protected area is 16,856.625 square meters located in Imezu village in Mbeya Rural district Mbeya Region. The source was identified 2002 and demarcated in 2016. The water source extent is located at Xmin 33.617 Ymin -8.901 Xmax 33.619 and Ymax -8.900. The topology of the water source has Minimum. Altitude is 1758m and Maximum Altitude is 1762m above sea level (Recorded by Global Positioning System - GPS). It is located at South East of Itewe center through Iringa - Mbeya main road.

COORDINATES FOR HAMWENJE WATER SOURCE PROTECTED AREA

Beacon No.	Lat	Long	Altitude (m)
1	-8.90078	33.61772	1762
2	-8.9007	33.61805	1762
3	-8.9005	33.61877	1761
4	-8.9005	33.61898	1760
5	-8.90032	33.61909	1760
6	-8.89985	33.61884	1762
7	-8.89993	33.61863	1758
8	-8.89992	33.6175	1758
9	-8.89989	33.61732	1758
10	-8.90014	33.61704	1762
11	-8.90033	33.617	1762
12	-8.90049	33.61705	1761

MAP SHOWING HAMWENJE WATER SOURCE PROTECTED AREA IN MBEYA
RURAL DISTRICT MBEYA REGION

5. SHILAGO AND MWANDIYA STREAMS PROTECTED WATER SOURCE AREA

Shilago and Mwandiya water sources protected area is 113,794,122 square meters located in Iyela Nyala village in Mbeya Rural district Mbeya Region. The source was identified in 2002 and demarcated in 2016. The water source extent is located at Xmin 33.605 Ymin -8.929 Xmax 33.616 and Ymax -8.922. The topology of the water source Minimum Altitude is 1957m

COORDINATES FOR SHILAGO WATER SOURCE PROTECTED AREA

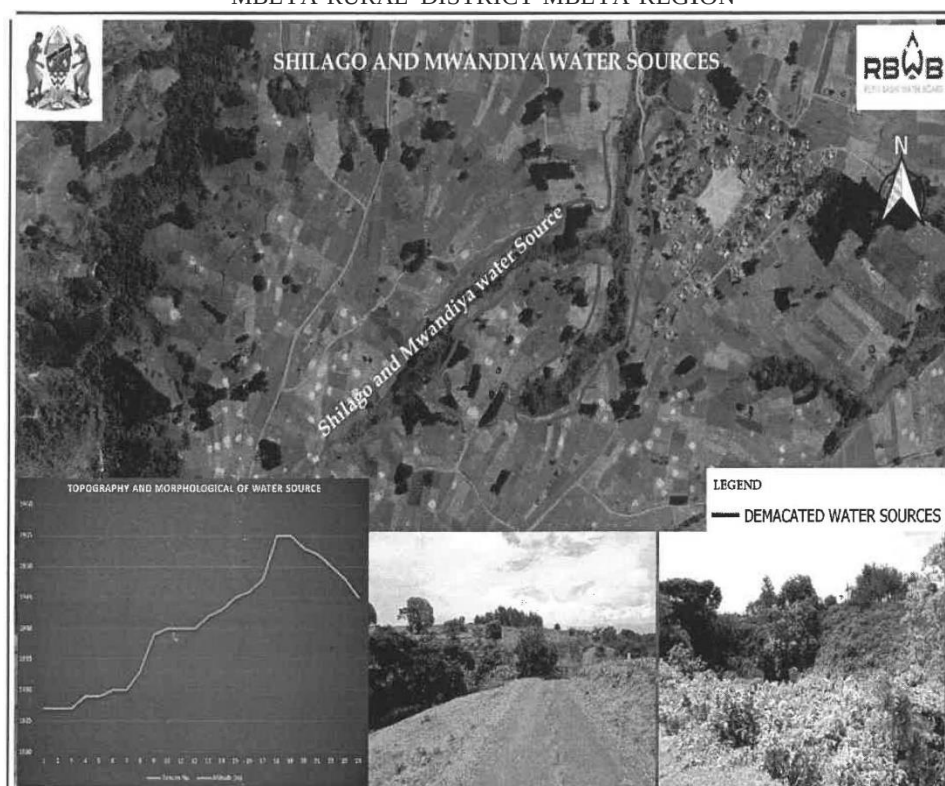
Beacon No.	Lat	Long	Altitude (m)	Beacon No.	Lat	Long	Altitude (m)
1	-8.92248	33.61285	1927	13	-8.92706	33.61114	1942
2	-8.92285	33.6125	1927	14	-8.92721	33.61063	1943
3	-8.92354	33.6125	1927	15	-8.92729	33.61034	1945
4	-8.9237	33.61253	1929	16	-8.9273	33.61012	1946
5	-8.92409	33.6126	1929	17	-8.92714	33.61	1948
6	-8.92462	33.6125	1930	18	-8.92668	33.61008	1955
7	-8.92568	33.61225	1930	19	-8.92653	33.6102	1955
8	-8.92599	33.61205	1933	20	-8.92419	33.61009	1953
9	-	33.61193	1939	21	-	33.61059	1952

Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

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	8.92611				8.92422		
10	- 8.92627	33.61164	1940	22	- 8.92417	33.61152	1950
11	- 8.92642	33.61155	1940	23	- 8.92378	33.61178	1948
12	- 8.92055	33.61142	1940	24	- 8.92261	33.61168	1945

SHOWING SIDLAGO AND MWANDIYA WATER SOURCES PROTECTED AREA IN
MBEYA RURAL DISTRICT MBEYA REGION



7. GOMBEMBEYA PROTECTEDWATERSOURCEAREA

Gombe water source protected area is 32,438.752 square meters located in Itewe village in Mbeya Rural district Mbeya Region. The source was identified 2002 and demarcated in 2016. The water source extent is located at Xmin 33.606 Ymin -8.901 Xmax 33.617 and Ymax -8.894. The topology of the water source has minimum Altitude of 1739m and maximum

*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
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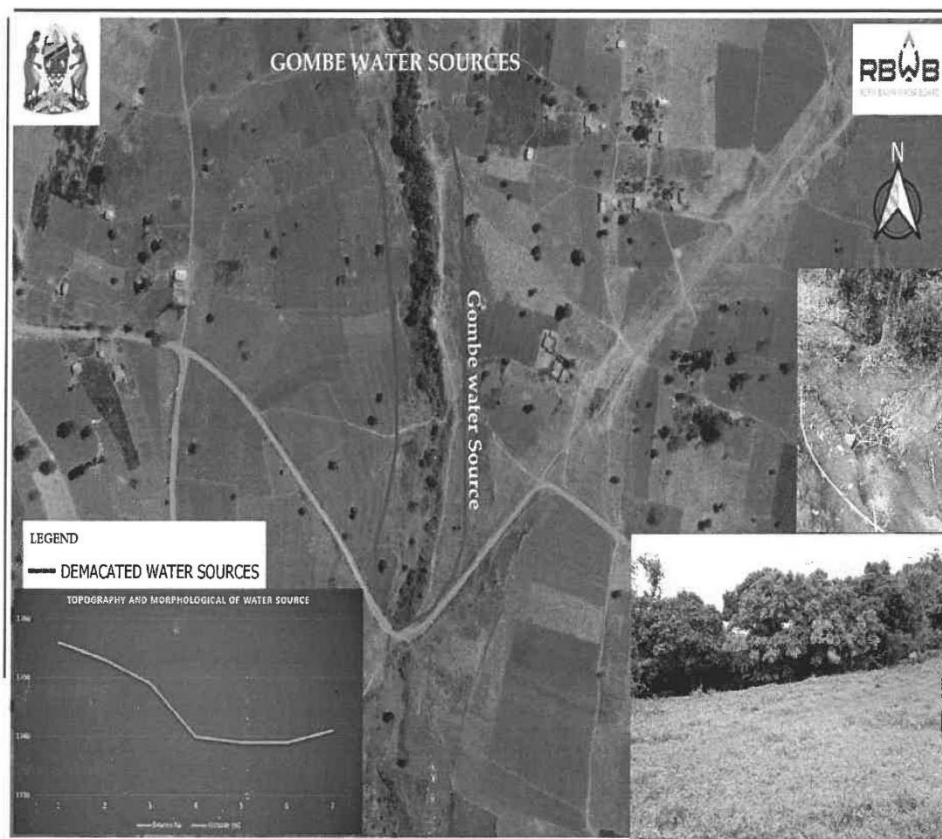
Gn. No. 784 (Contd.)

Altitude is 1756m above sea level (Recorded by Global Positioning System - GPS). It is located at South East of Itewe center through Iringa - Mbeya main road.

COORDINATES FOR GOMBE WATER SOURCE PROTECTED AREA

Beacon No.	Lat	Long	Altitude (m)
1	-8.8989	33.61176	1756
2	-8.898	33.61174	1753
3	-8.89588	33.61161	1749
4	-8.89576	33.61074	1740
5	-8.89667	33.611	1739
6	-8.89773	33.6111	1739
7	-8.89899	33.6109	1741

MAP SHOWING GOMBE WATER SOURCE PROTECTED AREA IN MBEYA RURAL DISTRICT MBEYA REGION



8. PANDEZII WATER SOURCE PROTECTED AREA

Pandezii water source protected area is 22,269.275 square meters square meters located in Itewe village in Mbeya Rural district Mbeya Region. The source was identified 2003 and demarcated in 2016. The water source extent is located at Xmin 33.598 Ymin -8.899 Xmax

33.604 and Ymax -8.895. The topology of the water source Minimum Altitude is 1726m and Max. Altitude is 1738m above sea level (Recorded by Global Positioning System - GPS). It is located at South West of Itewe center through Iringa - Mbeya main road.

*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
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Gn. No. 784 (Contd.)

COORDINATES FOR PANDEZI WATER SOURCE PROTECTED AREA

Beacon No.	Lat	Long	Altitude (m)	Beacon No.	Lat	Long	Altitude (m)
1	-	33.600870	1727	9	-	33.60184	1738
	8.89660				8.89812		
	0				0		
2	-	33.601160	1728	10	-	33.60216	1737
	8.89709				8.89765		
	0				0		
3	-	33.601270	1730	11	-	33.60217	1734
	8.89727				8.89746		
	0				0		
4	-	33.601200	1730	12	-	33.60222	1733
	8.89758				8.89730		
	0				0		
5	-	33.601260	1732	13	-	33.60221	1730
	8.89781				8.89693		
	0				0		
6	-	33.601360	1730	14	-	33.60217	1730
	8.89792				8.89675		
	0				0		
7	-	33.601500	1738	15	-	33.60207	1728
	8.89808				8.89657		
	0				0		
8	- 8.89810 0	33.601640	1738	16	- 8.89601 0	33.60169 0	1726

*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
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Gn. No. 784 (Contd.)

9. MWAMBALIZI RIVER WATER SOURCE PROTECTED WATER SOURCE AREA

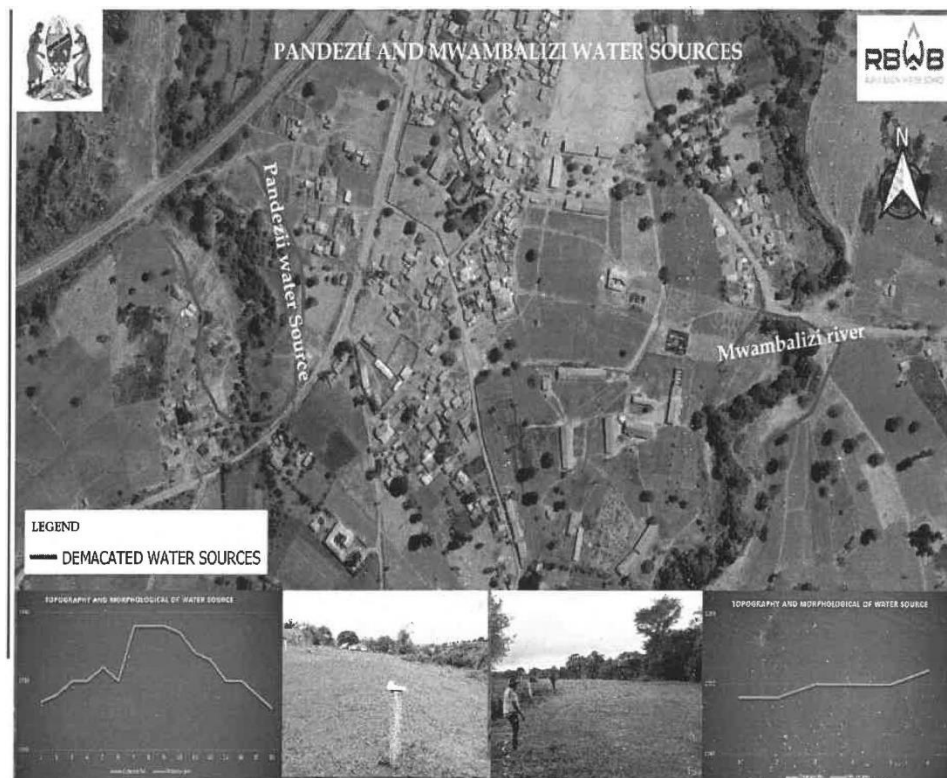
Mwambalizi river water source protected area is 9,074.697 square meters located in Ilembo Usafwa Mwamengo village in Mbeya Rural district Mbeya Region is located in Itewe village, the source was identified 2002 and demarcated in 2016. The water source extent is located at Xmin 33.605 Ymin -8.899 Xmax 33.608 and Ymax -8.897. The topology of the water source it has Min. Altitude is 1749m and Max. Altitude is 1751m above sea level (Recorded by Global Positioning System - GPS). It is located at South East of Itewe center through Iringa - Mbeya main road.

The proposed protected area is 9,074.697 square meters. There are no compensations required as the area has no any human activities. The Protected Zones are established according to the Water Resources Management Act, No. 11 of 2009.

THE COORDINATES FOR MWAMBALIZI WATER SOURCE PROTECTED AREA

Beaen No.	Lat	Long	Altitude (m)
1	-8.89748	33.60739	1749
2	-8.89802	33.60711	1749
3	-8.89827	33.60669	1750
4	-8.8984	33.60671	1750
5	-8.89723	33.60663	1750
6	-8.89766	33.60623	1751

MAP SHOWING PANDEZII AND MWAMBALIZI WATER SOURCES PROTECTED AREA IN MBEYA RURAL DISTRICT MBEYA REGION



33.600

10. NKOKO WATER SOURCE PROTECTED AREA

Nkoko water source protected area is 18,551.089 square meters located in Gari Jembe village Mbeya Rural district Mbeya Region. The source was identified 2003 and demarcated in 2016. The water source extent is located at Xmin 33.610 Ymin -8.978 Xmax 33.613 and Ymax -8.976. The topology of the water source Minimum Altitude is 2215m and Max. Altitude is 2215m above sea level (Recorded by Global Positioning System - GPS). It is located at North West of Simambwe center through Uyole – Kasumulu main road (Tanzania and Malawi border).

COORDINATES FOR NKOKO WATER SOURCE PROTECTED AREA

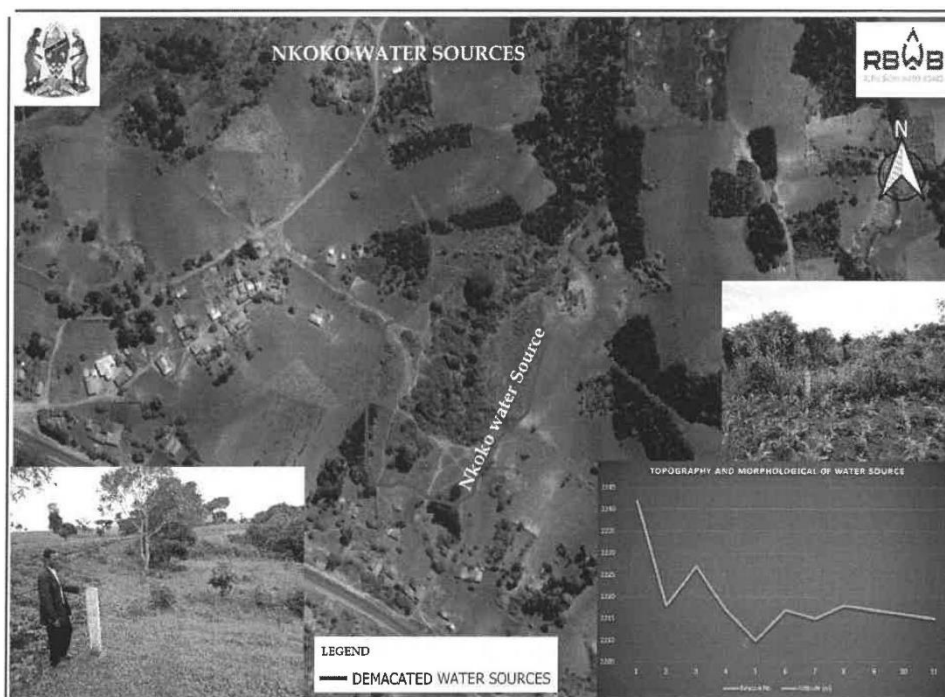
Beacon No.	Lat	Long	Altitude (m)
1	-8.977580	33.611080	2242

Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

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2	-8.976510	33.611170	2218
3	-8.976430	33.611360	2227
4	-8.976180	33.611480	2217
5	-8.975910	33.611780	2210
6	-8.977570	33.611260	2217
7	-8.977710	33.611590	2215
8	-8.977520	33.611840	2218
9	-8.976880	33.612240	2217
10	-8.976580	33.612330	2216
11	-8.977720	33.611660	2215

MAP SHOWING NKOKO WATER SOURCE PROTECTED AREA MBEYA RURAL DISTRICT IN MBEYA REGION



Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

Gn. No. 784 (Contd.)

11. NDOVA WATER SOURCE PROTECTED WATER SOURCE AREA

Ndova water source protected area is 33,655.042 square meters located in Galijembe village in Mbeya Rural district Mbeya Region water source is located in Gari Jembe village. The source was identified 2003 and demarcated in 2016. The water source extent is located at Xmin 33.611

Ymin -8.986 Xmax 33.615 and Ymax -8.983. The topology of the water source Minimum Altitude is 2255m and Maximum Altitude is 2279m above sea level (Recorded by Global Positioning System - GPS). It is located at East of Simambwe center through Uyole – Kasumulu main road (Tanzania and Malawi Border).

COORDINATES FOR NDOVA WATER SOURCE PROTECTED AREA

Beacon No.	Lat	Long	Altitude (m)
1	-8.984040	33.614190	22 5
2	-9.985010	33.614070	22 5
3	-8.985180	33.614050	22 5
4	-8.985340	33.613970	22 5
5	-8.986150	33.613820	2 2
6	-8.986160	33.613740	22 6
7	-8.986230	33.613650	22 6
8	-8.985990	33.612900	2 2
9	-8.985850	33.612760	22 7
10	-8.985840	33.612770	22 7
11	-8.985230	33.612810	22 6
12	-8.984510	33.613010	22 6
13	-8.983930	33.613220	22 66
14	-8.983620	33.613330	22 5

Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

Gn. No. 784 (Contd.)

12. NSALALA WATER SOURCE PROTECTED WATER SOURCE AREA

Malala water source protected area is. 59,568.134 square meters located in Gary Djembe village in Mbeya Rural district Mbeya region, the source was identified 2003 and demarcated in 2016. The water source extent is located at Xmin 33.615 Ymin -8.985 Xmax 33.619 and Ymax -8.982. The topology of the water source Minimum Altitude is 2230m and Maximum Altitude is 2278m above sea level (Recorded by Global Positioning System - GPS). It is located at East of Simambwe center through Uyole – Kasumulu main road (Tanzania and Malawi border).

COORDINATES FOR NSALALA WATER SOURCE PROTECTED AREA

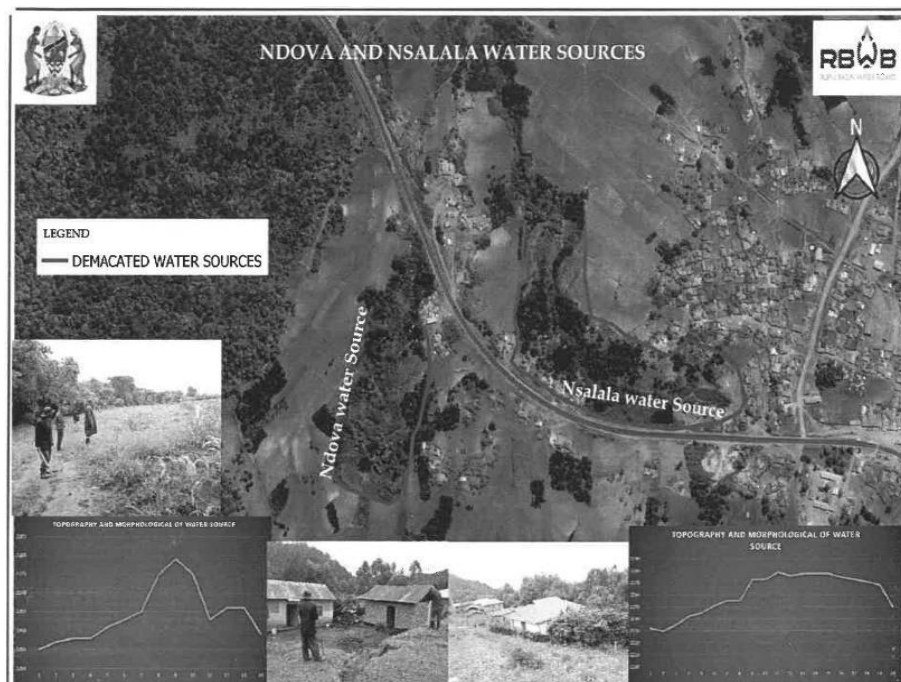
Beacon No.	Lat	Long	Altitude (m)	Beacon No.	Lat	Long	Altitude (m)
1	-8.982490	33.615320	2232	11	-8.984420	33.618890	2279
2	-8.982480	33.615650	2230	12	-8.984230	33.618670	2276
3	-8.984160	33.615520	2235	13	-8.984030	33.618120	2278
4	-8.984340	33.615450	2242	14	-8.984240	33.617830	2278
5	-8.984640	33.615940	2245	15	-8.984180	33.617650	2278
6	-8.984900	33.616420	2251	16	-8.984040	33.617320	2275
7	-8.985180	33.618350	2255	17	-8.983850	33.617010	2273
8	-8.985080	33.618790	2255	18	-8.983730	33.616660	2271

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9	- 8.984790	33.619010	2273	19	-8.983180	33.616570	2268
10	- 8.984590	33.618950	2273	20	-8.982790	33.616570	2250

MAP SHOWING NDOVA AND NSALALA WATER SOURCESES PROTECTED AREA IN
MBEYA RURAL DISTRICT MBEYA REGION



Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

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13. SAVYUTUSU WATER SOURCE PROTECTED WATER SOURCE AREA

Savyutusu water source protected area is 62,563.211 square meters located in in Gari Jembe village in Mbeya Rural district Mbeya Region. The source was identified 2003 and demarcated in 2016. The water source extent is located at Xmin 33.605 Ymin -8.964 Xmax 33.609 and Ymax -8.961. The topology of the water source Minimum Altitude is 2154m and Maximum Altitude is 2190m above sea level (Recorded by Global Positioning System - GPS). It is located at South of Atwelo center through Uyole – Kasumulu main road (Tanzania and Malawi border).

COORDINATES FOR SAVYUTUSU WATER SOURCE PROTECTED AREA

Beacon No.	Lat	Long	Altitude (m)	Beacon No.	Lat	Long	Altitude (m)
1	-	33.606490	2179	11	-	33.607330	2163
	8.963860				8.962040		
2	-	33.606780	2177	12	-	33.607050	2161
	8.963750				8.962250		
3	-	33.607480	2178	13	-	33.606900	2169
	8.964020				8.962310		
4	-	33.607660	2174	14	-	33.606380	2172
	8.964060				8.962230		
5	-	33.607860	2174	15	-	33.606180	2173
	8.963770				8.962360		
6	-	33.608530	2170	16	-	33.605840	2175
	8.964040				8.962410		
7	-	33.608800	2154	17	-	33.605730	2174
	8.962470				8.962550		
8	-	33.607930	2161	18	-	33.605540	2175
	8.961680				8.962870		
9	-	33.607670	2162	19	-	33.605490	2190
	8.961940				8.963180		

Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

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10	9.961950	33.607510	2162			
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MAP SHOWING SAVYUTUSU WATER SOURCE PROTECTED AREA
MBEYA RURAL DISTRICT IN MBEYA REGION



14. NZONDE WATER SOURCE PROTECTED WATER SOURCE AREA

Monde water source protected area is 11,266.55 square meters located in Gari Jembe village in Mbeya Rural district Mbeya Region water source. The source was identified 2003 and demarcated in 2016. The water source extent is located at Xmin 33.604 Ymin -8.971 Xmax 33.608 and Ymax -8.968. The topology of the water source Minimum Altitude is 2195m and Maximum Altitude is 2200m above sea level (Recorded by Global Positioning System - GPS). It is located at South of Atwelo center through Uyole — Kasumulu main road (Tanzania and Malawi border).

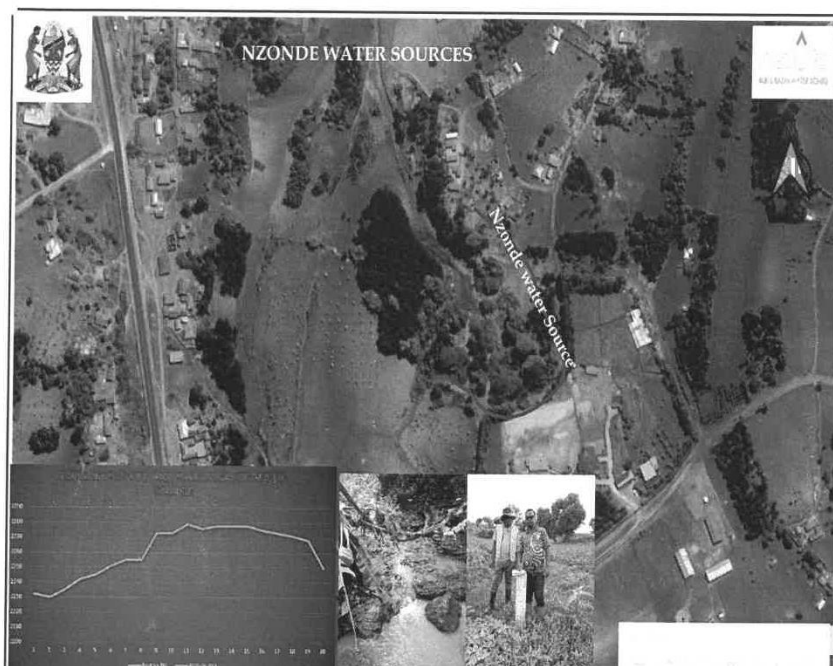
Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

Gn. No. 784 (Contd.)

COORDINATES FOR NZONDE WATER SOURCE PROTECTED AREA

Beacon No.	Lat	Long	Altitude (m)
1	-8.968180	33.605380	2197
2	-8.968510	33.605780	2197
3	-8.968860	33.605930	2199
4	-8.969290	33.606130	2195
5	-8.969480	33.606010	2195
6	-8.969610	33.605550	2195
7	-8.969440	33.605340	2200

MAP SHOWING NZONDE WATER SOURCE PROTECTED AREA
IN MBEYA RURAL DISTRICT MBEYA REGION



*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

Gn. No. 784 (Contd.)

15. MWABULI WATER SOURCE PROTECTED WATER SOURCE AREA

Mwabuli water source protected area is 34,699.746 square meters located in Shibolya village in Mbeya Rural district Mbeya Region, the source was identified 2003 and demarcated in 2016. The water source extent is located at Xmin 33.618 Ymin -8.971 Xmax 33.622 and Ymax -8.968. The topology of the water source Minimum Altitude is 2203m and Maximum Altitude is 2217m above sea level (Recorded by Global Positioning System - GPS). It is located at North of Simambwe center through Uyole — Kasumulu main road (Tanzania and Malawi border).

COORDINATES FOR MWABULI WATER SOURCE PROTECTED AREA

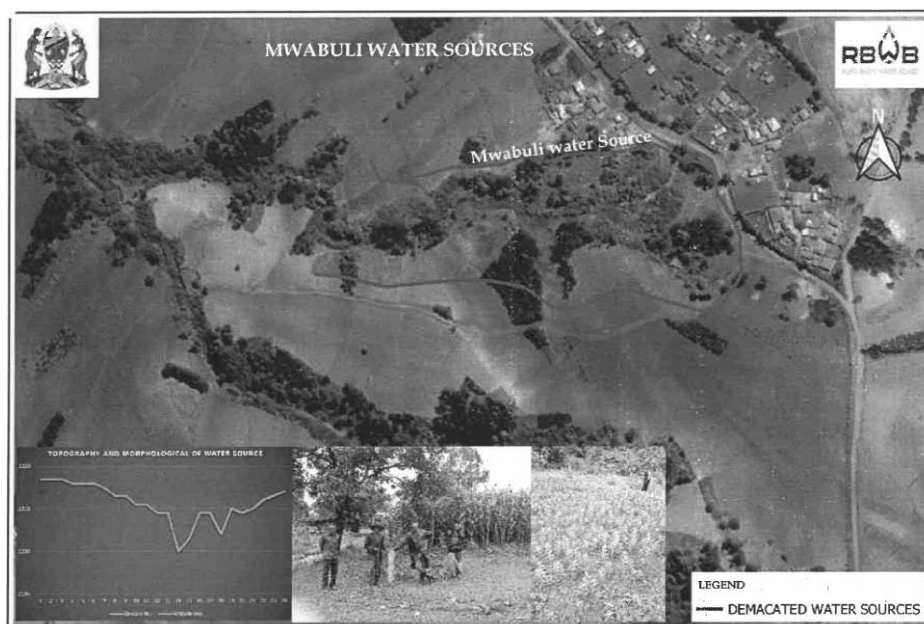
Beacon	Lat	Long	Altitude (m)	Beacon No.	Lat	Long	Altitude (m)
1	8.969180	33.621580	2217	13	8.969280	33.618440	2209
2	8.969320	33.621570	2217	14	8.968420	33.618840	2200
3	8.969390	33.621520	2217	15	8.968570	33.618910	2203
4	8.969580	33.621350	2216	16	8.968540	33.619190	2209
5	8.969520	33.621180	2216	17	8.968470	33.619460	2209
6	8.969470	33.621010	2216	18	8.968410	33.619900	2204
7	8.969400	33.620750	2215	19	8.968430	33.620150	2210
8	8.969520	33.620190	2213	20	8.968350	33.620740	2209

Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

Gn. No. 784 (Contd.)

9	8 · 969370	33 · 619970	2213		8 · 9683	33 · 620950	2210
	8 · 969330	33 · 619730	2211	22	8·968410	33 · 621160	2212
11	8 · 96937U	33 · 618950	2211	23	8·968520	33.621380	2213
12	8 · 969320	33 · 618750	2209	24	8 ·968680	33 · 621410	2214

MAP SHOWING MWABULI WATER SOURCE PROTECTED AREA MBEYA RURAL DISTRICT IN MBEYA REGION



16. HATOTO WATER SOURCE PROTECTED AREA

Hatoto water source protected area is 55,958.938 square meters located in Ilembo Usafwa Mwamengo village in Mbeya Rural district Mbeya Region water source is located in Ilembo Usafwa Mwamengo village, the source was identified 2003 and demarcated in 2016. The water source extent is located at Xmin 33.624 Ymin -8.964 Xmax 33.631 and Ymax -8.959. The topology of the water source it has Min. Altitude is 2201m and Max. Altitude is 2209m above sea level (Recorded by

*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

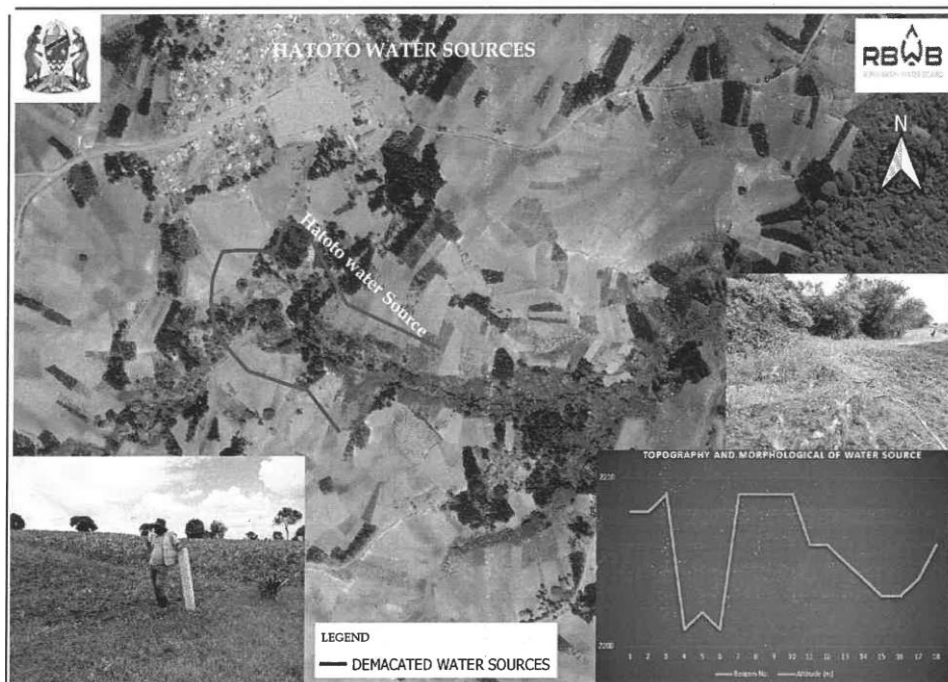
GN. No. 784 (Contd.)

Global Positioning System - GPS). It is located at North of Simambwe center through Uyole Kasumulu main road (Tanzania and Malawi border).

COORDINATES FOR HATOTO WATER SOURCE PROTECTED AREA

Beacon	Lat	Long	Altitude (m)	Beacon	Lat	Long	Altitude (m)
1	8.960580	33.627130	2208	10	8.962460	33.627660	2209
2	8.960530	33.626900	2208	11	8.963010	33.628110	2206
3	8.960550	33.626650	2209	12	8.961870	33.629550	2206
4	8.960570	33.626440	2201	13	8.961270	33.628210	2205
5	8.960720	33.626360	2202	14	8.960410	33.627720	2204
6	8.961220	33.626250	2201	15	8.960160	33.627440	2203
	8.961670	33.626340	2209	16	8.960350	33.627250	2203
8	8.962190	33.626790	2209	17	8.960450	33.627230	2204
9	8.962360	33.627360	2209	18	8.960560	33.627090	2206

MAP SHOWING HATOTO WATER SOURCE PROTECTED AREA MBEYA RURAL DISTRICT IN MBEYA REGION



17. SHYOMBO

Shyombo source protected is 50,817.669 square meters located in Ilembo Usafwa Mwamengo village in Mbeya Rural district Mbeya Region. The Water source was identified in 2003 and demarcated in 2016. The water source extent is located at Xmin 33.627 Ymin -8.954

Xmax 33.634 and Ymax - -8.949. The topology of the water source has Minimum Altitude of 2167m and Maximum Altitude 2176 m above sea level (Recorded by Global Positioning System - GPS). It is located at North of Simambwe center through Uyole — Kasumulu main road (Tanzania and Malawi border)

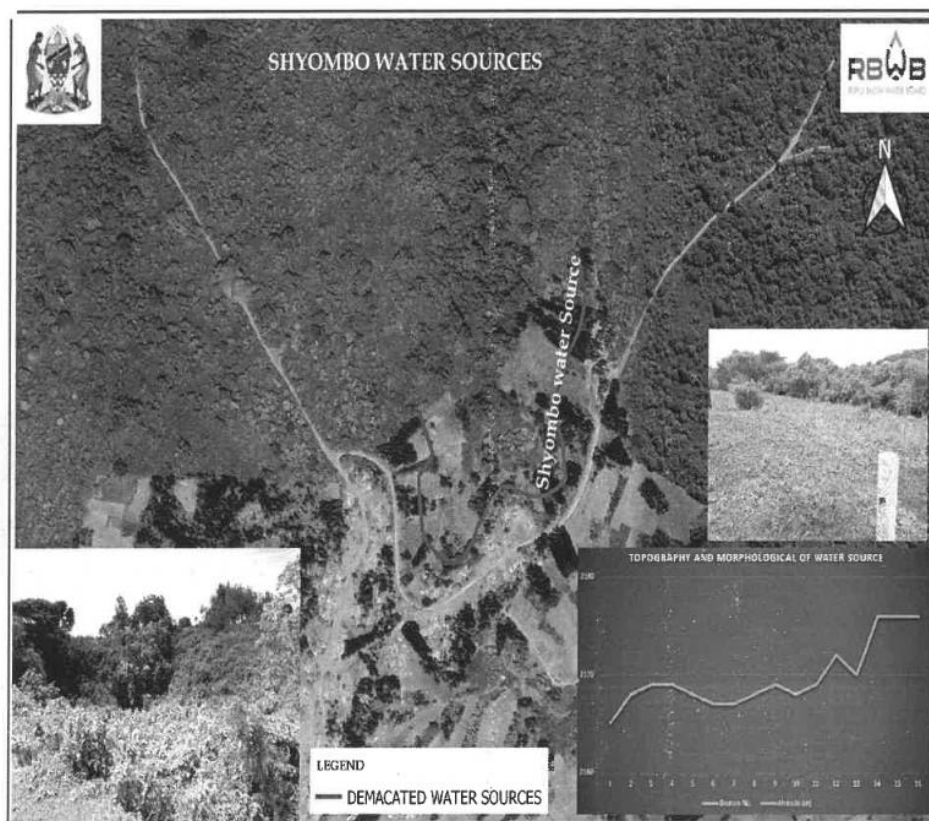
*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

Gn. No. 784 (Contd.)

COORDINATES FOR SHYOMBO WATER SOURCE PROTECTED AREA

ac on No		Long	Altitude (m)	Beacon	Lat	Long	Altitude (m)
1	8.953370	33.629720	2165	9	-8.952640	33.63073	2169
2	8.953180	33.629570	2168	10	-8.952760	33.63137	2168
3	8.952540	33.629510	2169	11	-8.952570	33.63166	2169
4	8.952270	33.629710	2169	12	-8.951980	33.63154	2172
5	8.951810	33.62952 0	2168	13	-8.951710	33.63146	
6	8.953500	33.63009 0	2167	14	-8.951110	33.63170	
7	8.953140	33.630350	2167	15	-8.950430	33.63193 0	2176
8	8.952830	33.630570	2168	16	-8.950170	33.63189 0	2176

MAP SHYOMBO WATER SOURCE PROTECTED AREA IN MBEYA RURAL DISTRICT
MBEYA REGION



18. ISANGATI

Isangati source protected is 34,652.526 square meters, located in Izumbwe Usafwa village in Mbeya Rural district Mbeya Region. The source was identified 2003 and demarcated in 2016. The water source extent is located at Xmin 33.640 Ymin -8.944 Xmax 33.646 and Ymax -8.940. The topology of the water source Minimum Altitude is 2049m and Maximum Altitude is 2059m above sea level (Recorded by Global Positioning System - GPS). It is located at North of Simambwe center through Uyole — Kasumulu main road (Tanzania and Malawi border).

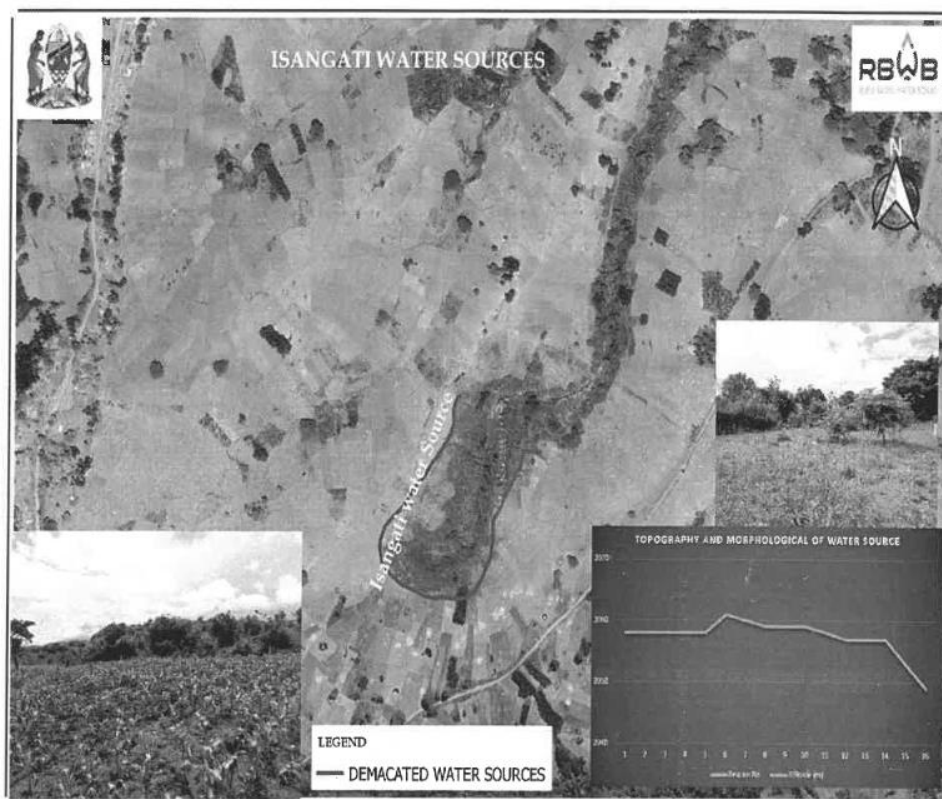
*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

Gn. No. 784 (Contd.)

THE COORDINATES FOR ISANGATI WATER SOURCE PROTECTED AREA

Beacon	Lat	Long	Altitude (m)	Beaco	Lat	Long	Altitu (m)
1	-8.943190	33.642670	2058	9	8.941630	33.64215 0	2059
2	-8.943210	33.642310	2058	10	8.941130	33.64248	2059
3	-8.943130	33.641920	2058	11	8.940840	33.64252 0	2058
4	-8.942930	33.641560	2058	12	8.943070	33.64283	2057
5	-8.942780	33.641440	2058	13	8.942890	33.64294	2057
6	-8.942610	33.641400	2061	14	8.942040	33.64320	2057
7	-8.942110	33.641760	2060	15	8.941480	33.64349	2053
8	-8.941890	33.641920	2059	16	8.941480	33.64372	2049

MAP SHOWING ISANGATI WATER SOURCE PROTECTED AREA IN MBEYA RURAL DISTRICT MBEYA REGION.



19. NZALA WATER SOURCE PROTECTED AREA

Nzala source protected is 43,631.799 square meters situated in Izumbwe Usafwa village Mbeya Rural District Mbeya region. The source was identified 2003 and demarcated in 2018. The water source extent is located at Xmin 33.650 Ymin -8.932 Xmax 33.656 and Ymax -8.928. The topology of the water source Minimum Altitude is 1941m and Maximum Altitude is 1956m above sea level (Recorded by Global Positioning System - GPS). It is located at North of Simambwe center through Uyole — Kasumulu main road (Tanzania and Malawi border).

Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

Gn. No. 784 (Contd.)

COORDINATES FOR NZALA WATER SOURCE PROTECTED AREA

Beacon No.	Lat	Long	Altitude (m)	Beacon	Lat		Altitude (m)
1	8.930100	33.652830	1944	8	8.929910	33.654440	1956
2	8.93068	33.652870	1941	9	8.929540	33.654770	1956
3	8.93102	33.652850	1941	10	8.928420	33.653660	1948
4	8.93124	33.653290	1942	11	8.928750	33.653660	1946
5				12	8.928970	33.653450	
6	8.93084	33.653850	1944	13	8.929220	33.653250	1947

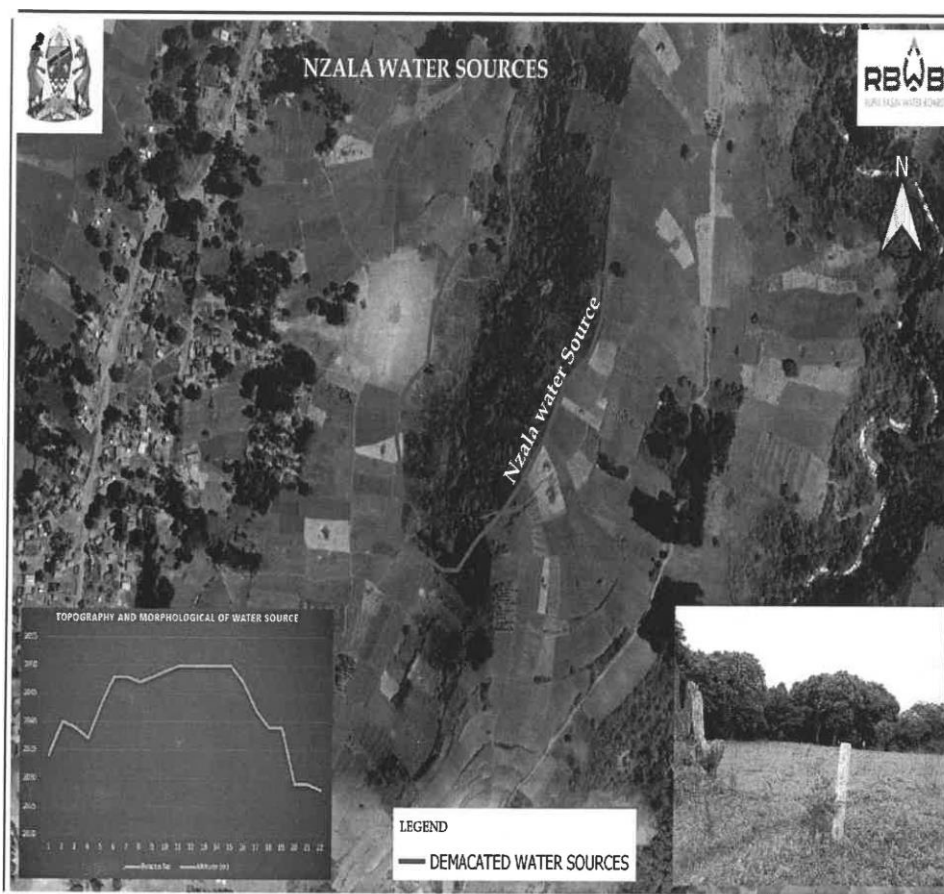
Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

Gn. No. 784 (Contd.)

7		33 · 654320	1956		8·929790	33 · 653110	1946
	8 · 930110						

MAP SHOWING NZALA WATER SOURCE PROTECTED AREA

MBEYA RURAL DISTRICT IN MBEYA REGION.



20. MPINDI WATER SOURCE PROTECTED WATER SOURCE AREA

Mpindi water source protected area is 48,367.188 square meters located in Ikhoho village in Mbeya Rural District Mbeya Region. The source was identified 2003 and demarcated in 2018. The water source extent is located at Xmin 33.640 Ymin -8.918 Xmax 33.645 and Ymax -8.915. The topology of the water source is Minimum Altitude of 1867m and Maximum Altitude is 1898m above sea level (Recorded by Global Positioning System - GPS). It is located at North of Simambwe center through Uyole — Kasumulu main road (Tanzania and Malawi border).

*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

Gn. No. 784 (Contd.)

COORDINATES FOR MPINDI AND LUGAWA WATER SOURCE PROTECTED

AREA

Beacon No.	Lat	Long	Altitude (m)	Beacon No.	Lat	Long	Altitude (m)
1	8.9157 10	33.64282	1867	9	-8.917050	33.641220	1890
2	8.9163 70	33.64274 0	1871	10	-8.916760	33.641080	1885
3	8.9164 40	33.64275	1878	11	-8.916370	33.640640	1886
4	8.9174 70	33.64273	1884	12	-8.916080	33.640900	1886
5	8.9176 50	33.64276 0	1884	13	-8.915700	33.641310	1888
6	8.9177 60	33.64256	1885	14	-8.915380	33.641550	1888
7	8.9173	33.64173	1894	15	-8.915130	33.641740	1888
30							

*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

Gn. No. 784 (Contd.)

8	8.9171 40	33.64135	1898	16	-8.913930	33.642630	1876
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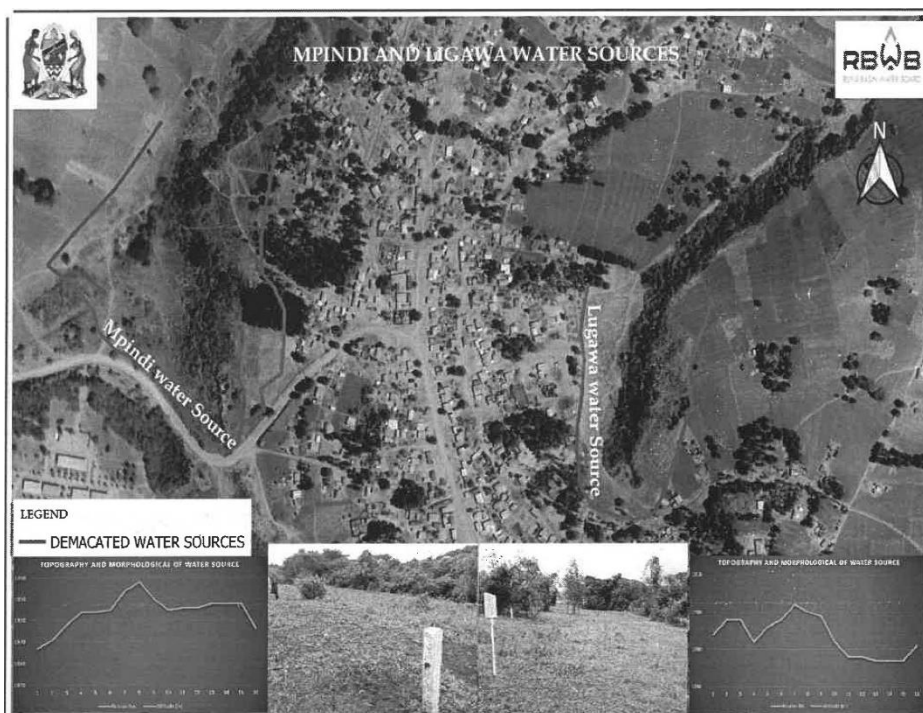
21. LUGAWA WATER SOURCE PROTECTED AREA

Lugawa water source Protected Area has 24,443.594 square meters situated in Mbeya rural district in Mbeya Region located in Ikhoho village. The Water Source identified in 2003 and demarcated in 2018 with the water source extent located at Xmin 33.644 Ymin -8.919 Xmax 33.649 and Ymax -8.916. The topology of the water source Minimum Altitude is 1887m and Maximum Altitude is 1902m above sea level (Recorded by Global Positioning System - GPS). It is located at North of Simambwe center through Uyole Kasumulu main road (Tanzania and Malawi border).

COORDINATES FOR MPINDI AND LUGAWA WATER SOURCE PROTECTED AREA

Beacon No.	Lat	Long	Altitude (m)	Beacon	Lat	Long	Altitude (m)
1	-8.918000	33.645840	1894	9	8.917910	33.646860	1899
2	-8.918360	33.645910	1898	10	8.917390	33.646920	1892
3	-8.918520	33.646040	1898	11	8.916700	33.647170	1888
4	-8.918570	33.646190	1892	12	8.916570	33.645950	1888
5	-8.918610	33.646380	1896	13	8.916810	33.645900	1887
6	-8.918600	33.646530	1898		8.916990	33.645880	1887
7	-8.918440	33.646670	1902	15	8.917210	33.645910	1887
8	-8.918260	33.646730	1900	16	8.917560	33.645880	1891

MAP SHOWING MPINDI AND LUGAWA PROTECTED AREA WATER SOURCE
MBEYA RURAL DISTRICT IN MBEYA REGION.



22. JEREMAN WATER SOURCE PROTECTED AREA

Jereman Water Source Protected Area has 19,838.633 square meters area situated in Mbeya rural district Mbeya Region located in Ngoha village through Isyonje to Igoma road. The Water source is identified 2003 and demarcated in 2018. The water source extent is located at Xmin 33.650 Ymin - 8.993 Xmax 33.655 and Ymax -8.990. The topology of the water source has Minimum Altitude of 2346 m and Maximum Altitude of 2352 m above sea level (Recorded by Global Positioning System - GPS). It is located at the East of Isyonje center through Uyole — Kasumulu main road (Tanzania and Malawi border).

THE COORDINATES OF JEREMAN WATER SOURCE PROTECTED AREA

Beacon	Lat	Long	Altitude (m)
	-8.990710	33.650840	2347
2	-8.990630	33.651030	2346
3	-8.990600	33.651240	2346

Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

Gn. No. 784 (Contd.)

4	-8.990610	33.651400	2347
5	-8.990640	33.651570	2346
6	-8.990760	33.651810	2347
7	-8.991150	33.652370	2346
8	-8.991520	33.652670	2350
9	-8.991840	33.652690	2351
10	-8.992030	33.652440	2352
11	-8.991960	33.652090	2352
12	-8.991730	33.651370	2349

23. SHULEM WATER SOURCE PROTECTED AREA

Shuleni water source protected area has 11,609.14 square meters area situated in Mbeya rural district Mbeya Region located in Ngoha village through Isyonje to Igoma road. It was identified in 2003 and demarcated in 2018. The water source extent is located at Xmin 33.657 Ymin -8.994 Xmax 33.660 and Ymax -8.993. The topology of the water source has Minimum Altitude of 2360m and Maximum Altitude of 2379m above sea level (Recorded by Global Positioning System - GPS). It is located at the East of Isyonje center through Uyole — Kasumulu main road (Tanzania and Malawi border)

THE COORDINATES OF SHULENI WATER SOURCE PROTECTED AREA

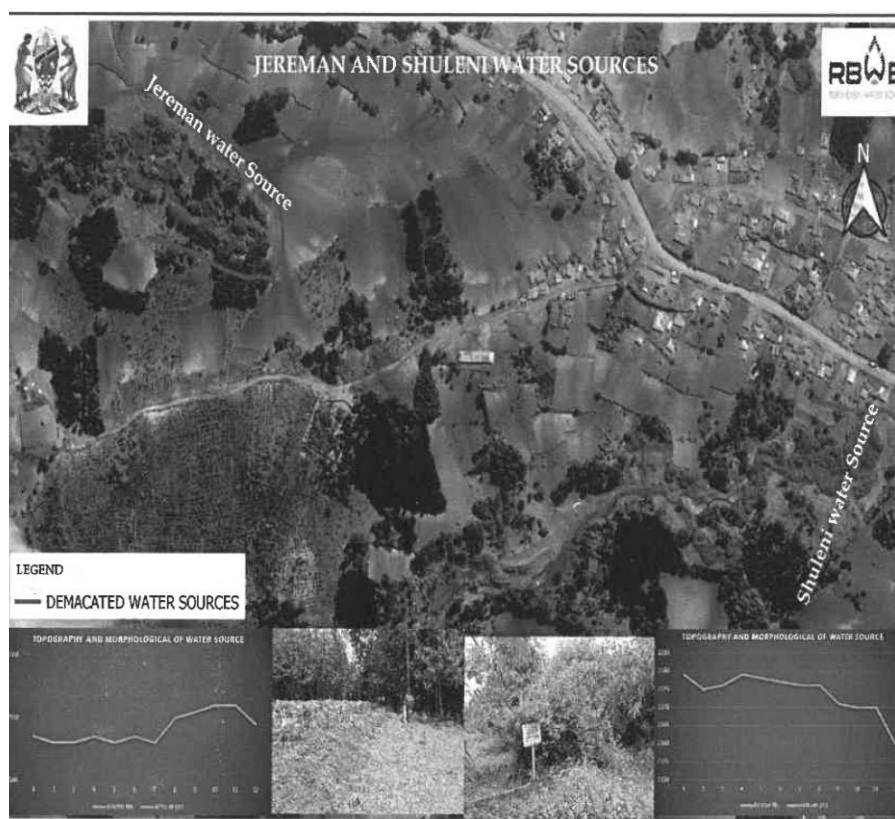
Beacon	Lat	Long	Altitude (m)
1	-8.993210	33.658910	2379
2	-8.993050	33.658660	2375
3	-8.993060	33.658440	2376
4	-8.992980	33.657950	2379
5	-8.993340	33.658810	2378

*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

Gn. No. 784 (Contd.)

6	-8.993540	33.658850	2377
7	-8.993720	33.658770	2376
8	-8.994000	33.658480	2376
9	-8.994190	33.658340	2371
10	-8.994130	33.658190	2370
11	-8.993820	33.657870	2370
12	-8.993860	33.657670	2360

MAP OF JEREMANI AND SHULENI WATER SOURCE PROTECTED AREA MBEYA
RURAL DISTRICT IN MBEYA REGION



Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

Gn. No. 784 (Contd.)

24. IPEZI WATER SOURCE PROTECTED AREA

Ipezi water source protected area has 44,439.364 square meters area situated in Mbeya rural district in Mbeya Region identified in 2003 and demarcated in 2018. The water source extent is located at Xmin 33.653 Ymin -8.951 Xmax 33.659 and Ymax -8.946. The topology of the water source has Minimum Altitude of 2028 m and Maximum Altitude of 2050m above sea level (Recorded by Global Positioning System - GPS). It is located in the North of Simambwe center through Uyole — Kasumulu main road (Tanzania and Malawi border).

THE COORDINATES OF IPEZI WATER SOURCE PROTECTED AREA IN MBEYA RURAL DISTRICT MBEYA REGION.

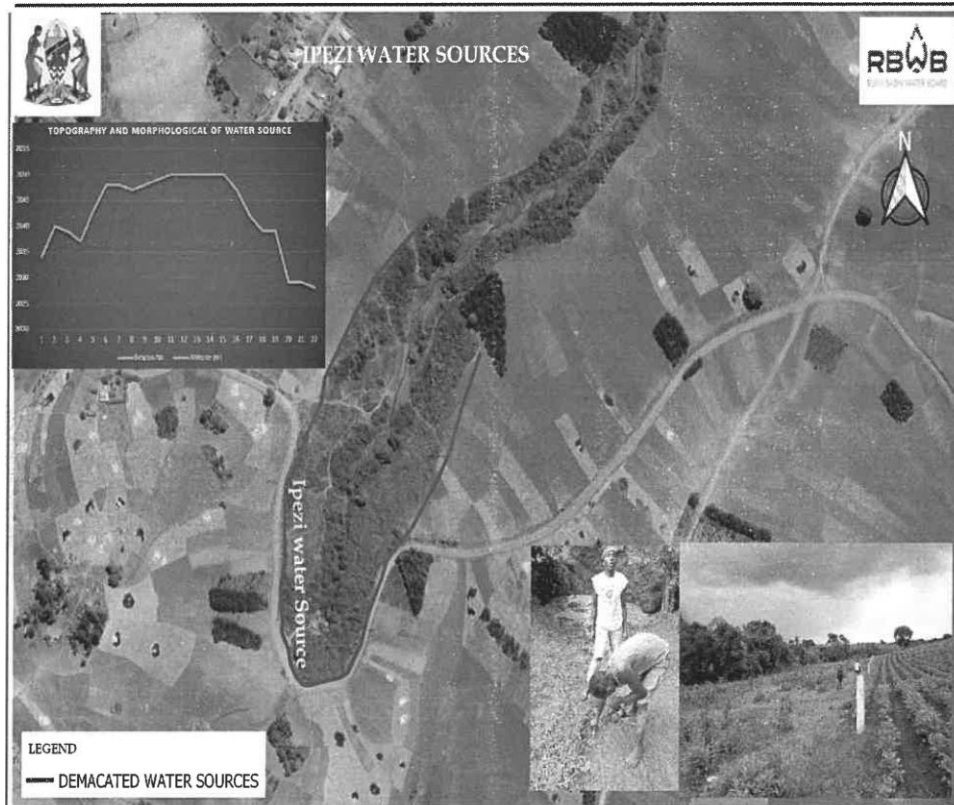
Beacon	Lat	Long	Altitude (m)	Beacon	Lat	Long	Altitude (m)
1	- 8.947640	33.65705	2034	12	8.94967	33.65518	2050
2	- 8.948030	33.65690	2040	13	8.94921	33.65519	2050
3	- 8.948400	33.656770	2039	14	8.94902	33.65520	2050
4	- 8.948580	33.65666	2037	15	8.94878	33.655200	2050
5	- 8.948960	33.65641	2043	16	8.94823	33.65542	2047
6	- 8.949350	33.65612	2048	17	8.94801	33.65554	2042
7	- 8.949870	33.655930	2048	18	8.94781	33.65559	2039
8	- 8.950100	33.65581	2047	19	8.94759	33.65570	2039
9	- 8.950160	33.65556	2048	20	8.94703 0	33.65606	2029

Water Resources Management (Rufiji Basin Mkoji Water Sources Protected Zone Establishment)

Gn. No. 784 (Contd.)

10	- 8,950130	33.65531	2049	21	8.94681	33.65628 0	2029
11	- 8.949910	33.65525	2050	22	8.94659 0	33.65654	2028

MAP OF PROTECTED AREA FOR IPEZI IN MBEYA RURAL DISTRICT MBEYA REGION



25. ISHUBA WATER SOURCE PROTECTED AREA

Ishuba Protected Water Source is within Mbeya rural district in Itambalila Village, Mbeya Region located in the North Simambwe center area through Uyole Kasumulu main road (Tanzania and Malawi border).The protected area is 36,934.579 square meters. The source identified in 2003 demarcated in 2018. The water source extent is located at Minimum 33.667 Ymin -8.925 Xmax 33.673 and Ymax -8.920. The topology of the water source has minimum Altitude of 1893m and Maximum Altitude of 1920 m above sea level (Recorded by Global Positioning System - GPS).

*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

Gn. No. 784 (Contd.)

COORDINATES ISHUBA WATER SOURCE PROTECTED AREA.

Beaco	Lat	Long	Altitud	Beacon No,	Lat	Long	Altitud
1	8.920600	33.67031	1893	10	8.92360	33.66991	1920
2	8.920840	33.67033	1894	11	8.92338	33.67014	1920
3	8.911140	33.670330	1895	12	8.92311	33.67037	1920
4	8.921690	33.670000	1897	13	8.93285	33.67053	1919
5	8.921970	33.66987	1902	14	8.92264	33.67077	1916
	8.922240	33.66970	1908	15	8.92236	33.67097	1915
7	8.922530	33.66958	1910	16	8.92190	33.67124	1914
8	8.922860	33.66948	1910	17	8.92156	33.67144	1902
9	8.923110	33.669330	1911				

MAP OF ISHUBA IN MBEYA RURAL DISTRICT MBEYA REGION



26. SIMWANDELILE WATER SOURCE PROTECTED AREA

Simwandelile Protected Water Source is in Itambalila Village, Mbeya rural district in Mbeya Region located in the in area of Itambalila through Simambwe to Itambalila road. The source was identified 2003 and demarcated in 2018. The water source extent is located at Xmin 33.670 Ymin -8.915 Xmax 33.673 and Ymax -8.913. The topology of the water source has Minimum.

COORDINATES OF SIMWANDELILE WATER SOURCE PROTECTED AREA IN MBEYA RURAL DISTRICT, MBEYA

Beacon	Lat	Long	Altitude (m)	Beacon	Lat	Long	Altitude (m)

*Water Resources Management (Rufiji Basin Mkoji Water Sources Protected
Zone Establishment)*

Gn. No. 784 (Contd.)

1	8.913950	33.670950	1854	9	8.913980	33.672190	1843
2	8.914060	33.671050	1855	10	8.913920	33.672360	1842
3	8.914190	33.671150	1853	11	8.912840	33.672400	1838
4	8.914240	33.671310	1849	12	8.912900	33.672170	1839
5	8.914390	33.671500	1849	13	8.913240	33.671610	1846
6	8.914190	33.671620	1848	14	8.913330	33.671470	1847
7	8.914080	33.671740	1848	15	8.913460	33.671340	1848
8	8.913990	33.672030	1844	16	8.913710	33.671070	1847

Gn. No. 784 (Contd.)

MAP OF SIMWANDELILE WATER SOURCE PROTECTED AREA IN MBEYA RURAL
DISTRICT MBEYA REGION



Dodoma,
4th November, 2021

JUMAA H. AWESO,
Minister for Water