

**Long-term Changes in Land Cover and Carbon Storage in  
Tanzania, East Africa**

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## **Abstract**

The carbon stored in vegetation varies spatially and temporally due to a complex mix of anthropogenic, climatic and edaphic variables. Thus, the success of climate change policy developments such as REDD+ (Reducing Emissions from Deforestation and Forest Degradation) relies heavily on measuring and understanding this variation in the past, present and future. Here, I first analyse the change in forest cover within a 33.9 million hectare tropical study area in eastern Tanzania. I develop both linear and non-linear baselines of deforestation, providing evidence that Tanzanian forest policy has resulted in forest transition. I then present an Intergovernmental Panel on Climate Change (IPCC) 'Tier 2' reporting-compliant look-up method to estimate regional carbon storage, and associated 95% confidence intervals (CI). Applying this method to my study area indicates that 1.58 (95% CI: 1.56-1.60) Pg of aboveground live carbon (ALC) is stored across the landscape in the year 2000. Combining these Tier 2-type values with the historical land use/cover data I derived, I estimate that my study area shows a total committed carbon release of 0.94 (0.37-1.50) Pg C between 1908 and 2000. However, look-up methods are overly simplistic for heterogeneous landscapes. Using regression equations, including the effects of disturbance, my IPCC 'Tier 3' compliant estimate for the same region in the year 2000 is 1.32 (0.89-3.16) Pg ALC. The most influential variables of carbon storage in the region are human, the strongest impact variables being the nature of the local governance regime (land under national control contained only 40-65% of the ALC stored in areas under local control) and historical logging (areas that had previously experienced logging held 51-77% of the ALC of never-logged areas). Throughout, I provide spatially explicit estimates to aid decision-makers who, due to the influence of anthropogenic variables, could significantly affect landscape carbon storage across this important area.

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## Appendix 1

**App. 1.1** The candidate drivers used in this thesis divided into six groups (anthropogenic, climatic, edaphic, fire, geographic, and spatial). The possible effects of these drivers on forest carbon storage and sequestration, wood specific gravity and population structure has been provided.

Candidate Driver Name	Candidate Driver Description	Resolution	Data Source	Group	Carbon Storage and Sequestration (References)	Wood Specific Gravity (References)	Population Structure (References)
Population pressure with decay constant of 41.6km	The population pressure experienced by an area, derived using a 41.6km decay constant	0.1km	Raw pop data [1] post-processed as described in [2]	A n t h r o p o g e n i c	Logging and other forms of disturbance reduce the carbon stored in tropical forest. Increased disturbance will also result in increased carbon emissions. [3-6]	Logging and other forms of disturbance will result in a decrease of shade tolerant trees and a consequent increase in light demanding species. This will be associated with a reduction in WSG. [7]	Logging and other forms of disturbance will result in a decrease of shade tolerant trees and a consequent increase in light demanding species. Larger trees will be preferentially removed, leaving forests dominated by many small stems. [6-8]
Population pressure with decay constant of 20.8km	The population pressure experienced by an area, derived using a 20.8km decay constant						
Population pressure with decay constant of 16.7km	The population pressure experienced by an area, derived using a 16.7km decay constant						
Population pressure with decay constant of 12.5km	The population pressure experienced by an area, derived using a 12.5km decay constant						
Population pressure with decay constant of 8.6km	The population pressure experienced by an area, derived using a 8.6km decay constant						
Population pressure with decay constant of 4.2km	The population pressure experienced by an area, derived using a 4.1.7km decay constant						
Population pressure with decay constant of 1.7km	The population pressure experienced by an area, derived using a 1.7km decay constant						
Natural logarithm of the population pressure with decay constant of 41.6km	Log transformation of the population pressure experienced by an area, derived using a 41.6km decay constant. Unit addition avoids Logn(0)						
Natural logarithm of the population pressure with decay constant of 20.8km	Log transformation of the population pressure experienced by an area, derived using a 20.8km decay constant. Unit addition avoids Logn(0)						
Natural logarithm of the population pressure with decay constant of	Log transformation of the population pressure experienced by an area, derived using a 16.7km						



16.7km	decay constant. Unit addition avoids Logn(0)						
Natural logarithm of the population pressure with decay constant of 12.5km	Log transformation of the population pressure experienced by an area, derived using a 12.5km decay constant. Unit addition avoids Logn(0)						
Natural logarithm of the population pressure with decay constant of 8.6km	Log transformation of the population pressure experienced by an area, derived using a 8.6km decay constant. Unit addition avoids Logn(0)						
Natural logarithm of the population pressure with decay constant of 4.2km	Log transformation of the population pressure experienced by an area, derived using a 4.1.7km decay constant. Unit addition avoids Logn(0)						
Natural logarithm of the population pressure with decay constant of 1.7km	Log transformation of the population pressure experienced by an area, derived using a 1.7km decay constant. Unit addition avoids Logn(0)						
Cost distance to Dar es Salaam	The cost distance to Dar es Salaam according to road type (A, B or C), protected areas and water bodies						
Cost distance to market towns	The cost distance to market towns according to road type (A, B or C), protected areas and water bodies						
Distance to roads	The euclidean distance to nearest A or B road						
Distance to Dar es Salaam	The euclidean distance to Dar es Salaam						
Distance to market towns	The euclidean distance to nearest market town (defined as a settlement with a population ≥ 5000 in 2002 census)	0.1km	N/A				
Natural logarithm of the cost distance to Dar es Salaam	Log transformation of the cost distance to Dar es Salaam. Unit addition avoids Logn(0)						
Natural logarithm of the cost distance to market towns	Log transformation of the cost distance to a market town. Unit addition avoids Logn(0)						
Natural logarithm of the cost distance to roads	Log transformation of the cost distance to nearest A or B road. Unit addition avoids Logn(0)						
Historical logging	An attempt to record for each forest reserve an indication of the past logging history. Areas were assigned one of four categories: no logging, partially logged, clear felled and no data	0.1km	[9]				
Governance	The governance of the land. Land categories were divided into those under national control, local control, joint management and unknown.	Various	[10]				
Mean annual temperature	The mean annual temperature derived from the mean monthly temperatures. Made more resolute using the elevation difference observed between the climate data digital elevation model and a higher resolution dataset	0.1km	[11, 12]	C l i m a	Temperatures increases and extreme droughts will decrease forest productivity, and therefore carbon	WSG will increase with increased levels of drought. Other climatic factors may also be important.	Changes in climate will alter species composition. Increasing amounts of precipitation and an

Mean annual maximum monthly temperature	The mean annual maximum temperature derived from the mean monthly maximum temperatures. Made more resolute using the elevation difference observed between the climate data digital elevation model and a higher resolution dataset			t i c	storage and sequestration. However, carbon storage may increase with increased levels of gradual drought. [3, 13-16]	[14, 16, 17]	increasing temperature range will result in increasing stem density. [8, 16, 18, 19]
Mean annual minimum monthly temperature	The mean annual minimum temperature derived from the mean monthly minimum temperatures. Made more resolute using the elevation difference observed between the climate data digital elevation model and a higher resolution dataset						
Mean annual monthly temperature range	The difference between the mean annual maximum and minimum temperatures						
Mean maximum cumulative water deficit	Maximum mean cumulative water deficit (calculated as [15])	4km	[20, 21]				
Mean number of dry months annually	The average number of months annually that precipitation is exceeded by potential evapotranspiration						
Wind speed	The mean annual wind speed 50m above the ground	0.2km	[22]				
Total nitrogen content of the soil	The amount of organic carbon present in the soil to a depth of 1m	10km	[23, 24]	E d a p h i c	More fertile areas will show greater growth rates and increased levels of carbon storage. [3, 16]	More fertile areas will show lower WSG values. [16]	As soil fertility increases, stem density will increase. There will also be more large stems. [8, 16, 19]
Total carbon content of the soil	The amount of nitrogen present in the soil to a depth of 1m						
Percentage sand content of the soil	The mean percentage mass of sand in the soil to a depth of 1m						
Total available water capacity of the soil	The available water capacity of the soil to a depth of 1m						
pH of the soil	The mean pH of the soil to a depth of 1m						
Soil fertility	A mean measure of soil fertility to a 1m depth. Calculated as ((100-Aluminium saturation)/100)*effective cation exchange capacity						
Mean burned area probability in the fourth quarter	The mean burnt area probability from January to March	0.5km	[25]	F i r e	Areas that experience burns more frequently will show lower carbon storage levels. Overall, they will show lower rates of growth, but during recovery from a burn, growth rates may be increased.	Areas that experience burns more frequently will show lower WSG values. [26]	An increased probability of fire will result in a decreasing stem density. [26-28]
Mean burned area probability in the third quarter	The mean burnt area probability from April to June						
Mean burned area probability in the second quarter	The mean burnt area probability from July to September						
Mean burned area probability in the first quarter	The mean burnt area probability from October to December						
Annual mean burned area probability	The annual mean burned area probability						

				[26, 27]			
Aspect	The aspect of the slope	0.1km	[12]				
Mean annual global horizontal solar radiation	The mean annual global horizontal solar radiation at ground level	40km	[30, 31]	G e o g r a p h i c	Higher solar radiation results in high levels of growth and carbon storage. [19, 29]	Light demanding pioneers show lower wood density. [7]	Higher solar radiation levels may lead to increased tree densities and also an increased proportion of larger stems. [8, 19]
Spatial autocorrelation term 1	Latitude + Longitude + Latitude*Latitude + Longitude*Longitude + Longitude*Latitude	0.1km	N/A	S p a t i a l	None - included in the model to help account for landscape scale spatial autocorrelation. [32-34]	None - included in the model to help account for landscape scale spatial autocorrelation. [32-34]	None - included in the model to help account for landscape scale spatial autocorrelation. [32-34]
Spatial autocorrelation term 2	Latitude + Longitude + Latitude*Latitude + Longitude*Longitude						
Spatial autocorrelation term 3	Latitude + Longitude + Longitude*Latitude						
Spatial autocorrelation term 4	Latitude						
Spatial autocorrelation term 5	Longitude						
Spatial autocorrelation term 6	Latitude*Latitude						
Spatial autocorrelation term 7	Longitude*Longitude						
Spatial autocorrelation term 8	Longitude*Latitude						

## Appendix 2

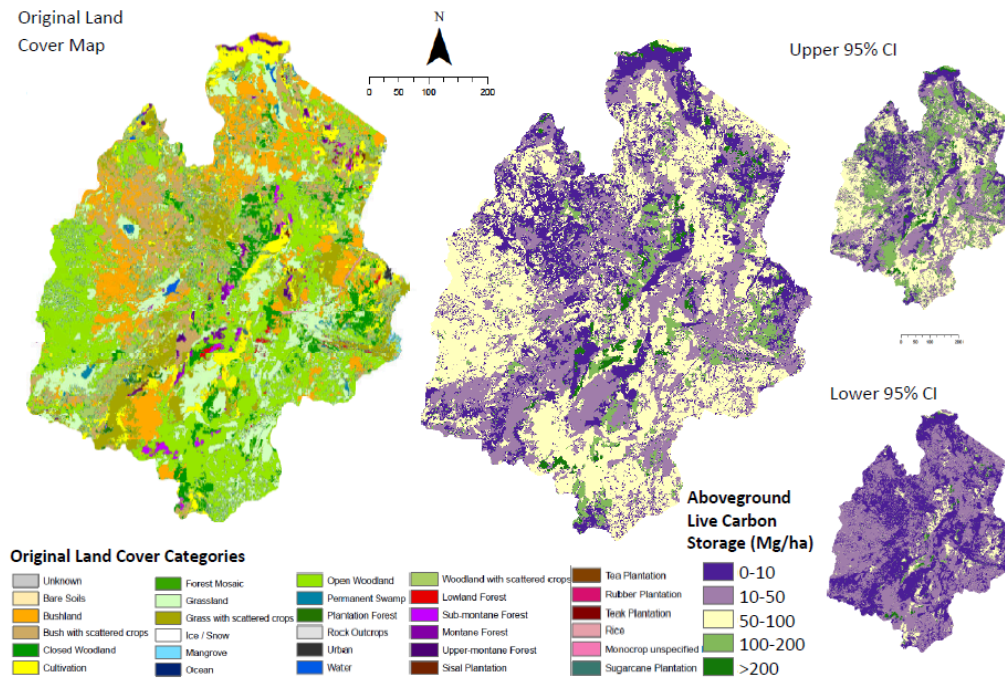
**App. 2.1** The key to the original land cover categories shown in Figure 3.9.

ID	Year	Original land-cover category
1	1908	5 Tropical rainforests of the flat plains and the mountains
2	1908	6 Cloud or high altitude forest
3	1908	1923 Temperate rain forest
4	1908	1923 Tropical rain forest
5	1908	4 Alluvial land in rain-poor areas, often park-like
6	1908	2 Mangrove and Creekland
7	1908	1923 Mangrove
8	1908	10 Dry forest (forest -steppe, Miombo forest) or tree-steppe with few grasses with low tree diversity (few dominating species) often growing in single-species patches)
9	1908	8 Dry woody scrub bush and mountainous bush, sometimes with evergreen species, in some places with trees and often merging into bush-tree and grass steppe
10	1908	7 Park-like grove of the coastlines with high tree and shrub diversity
11	1908	1923 Thorn forest
12	1908	1923 Acacia tall grass savanna
13	1908	9 Individual mountains with bush-kind vegetation
14	1908	12 Open grass prairies, with only very few trees or shrubs
15	1908	11 High altitude grassland and high mountain steppe alongside alpine scrub and rock in high altitude regions
16	1908	13 Steppe with few grasses, often with rocks, sometimes also with low, mostly thorny shrubs and trees, then orchard steppe with few grasses
17	1908	1949 agriculture
18	1923	Tropical rain forest
19	1923	Temperate rain forest
20	1923	Mangrove
21	1923	Dry forest
22	1923	Thorn forest
23	1923	Acacia tall grass savanna
24	1923	Acacia desert grass savanna
25	1923	Mountain grass
26	1923	High grass low tree savanna
27	1923	Alpine meadow
28	1923	1949 agriculture
29	1949	1 Forest
30	1949	2000 22 Montane Forest 1500-2000m
31	1949	2000 21 Sub-montane forest 1000-1500m
32	1949	1b Forest/woodland intermediate
33	1949	2000 11 Mangrove forest
34	1949	2000 5 Closed Woodland
35	1949	3 Bushland and Thicket
36	1949	3b Specialised thickets of regional extent
37	1949	2000 3 Bushland

38	1949	2b Woodland/Bush intermediate
39	1949	Ugogo catena
40	1949	Central plateau catena
41	1949	2000 13 Open Woodland
42	1949	19 Woodland with scattered cropland
43	1949	2 Woodland
44	1949	4 Wooded grassland
45	1949	Rain-pond catena
46	1949	2000 4 Bushland with scattered cropland
47	1949	5 Valley grassland
48	1949	5b Ridge and slope grassland
49	1949	6 Permanent swamp vegetation
50	1949	8 Grassland
51	1949	9 Grassland with scattered cropland
52	1949	8 Actively induced vegetation by natives
53	1949	8b Actively induced vegetation by aliens
54	1949	2000 6 Cultivation
55	1949	7 Desert/Semi desert
56	1949	2000 1 Unclassified
57	1949	2000 2 Bare Soils
58	1949	2000 12 Ocean
59	1949	2000 7 Urban Area
60	1949	2000 18 Water
61	2000	22 Montane Forest 1500-2000m
62	2000	21 Sub-montane forest 1000-1500m
63	2000	20 Lowland Forest <1000m
64	2000	23 Upper-montane forest >2000m
65	2000	11 Mangrove forest
66	2000	15 Plantation Forest
67	2000	27 Teak plantation
68	2000	26 Rubber plantation
69	2000	5 Closed Woodland
70	2000	0.5*(19 Woodland with scattered cropland)
71	2000	3 Bushland
72	2000	0.5*(4 Bushland with scattered cropland)
73	2000	7 Forest mosaic
74	2000	13 Open Woodland
75	2000	8 Grassland
76	2000	14 Permanent Swamp
77	2000	0.5*(9 Grassland with scattered cropland)
78	2000	24 Sisal plantation
79	2000	25 Tea plantation
80	2000	6 Cultivation
81	2000	0.5*(19 Woodland with scattered cropland)
82	2000	0.5*(9 Grassland with scattered cropland)

<b>83</b>	2000	0.5*(4 Bushland with scattered cropland)
<b>84</b>	2000	28 Rice plantation
<b>85</b>	2000	29 Monocrop unspecified
<b>86</b>	2000	30 Sugarcane plantation
<b>87</b>	2000	1 Unclassified
<b>88</b>	2000	2 Bare Soils
<b>89</b>	2000	10 Ice
<b>90</b>	2000	12 Ocean
<b>91</b>	2000	16 Rock outcrops
<b>92</b>	2000	17 Urban Area
<b>93</b>	2000	18 Water

### Appendix 3



**App. 3.1** The spatial distribution of aboveground live carbon storage and associated pixel errors within the study area, based on combining the original land cover map with my regionally appropriate carbon values (Table 2.3).

### App. 3.2 Original land use categories and harmonised categories

Harmonised land use category	Original land use category	
Forest	<ul style="list-style-type: none"> <li>• 22 Montane Forest</li> <li>• 21 Sub-montane forest</li> <li>• 20 Lowland Forest</li> <li>• 23 Upper-montane forest</li> </ul>	<ul style="list-style-type: none"> <li>• 11 Mangrove forest</li> <li>• 15 Plantation Forest</li> <li>• 27 Teak plantation</li> <li>• 26 Rubber plantation</li> </ul>
Savanna spectrum	<ul style="list-style-type: none"> <li>• 5 Closed Woodland</li> <li>• 0.5*(19 Woodland with scattered cropland)</li> <li>• 3 Bushland</li> <li>• 0.5*(4 Bushland with scattered cropland)</li> <li>• 7 Forest mosaic</li> </ul>	<ul style="list-style-type: none"> <li>• 13 Open Woodland</li> <li>• 8 Grassland</li> <li>• 14 Permanent Swamp</li> <li>• 0.5*(9 Grassland with scattered cropland)</li> </ul>
Crop	<ul style="list-style-type: none"> <li>• 24 Sisal plantation</li> <li>• 25 Tea plantation</li> <li>• 6 Cultivation</li> <li>• 0.5*(19 Woodland with scattered cropland)</li> <li>• 0.5*(9 Grassland with scattered cropland)</li> </ul>	<ul style="list-style-type: none"> <li>• 0.5*(4 Bushland with scattered cropland)</li> <li>• 28 Rice plantation</li> <li>• 29 Monocrop unspecified</li> <li>• 3 Sugarcane plantation</li> </ul>
Other	<ul style="list-style-type: none"> <li>• 1 Unclassified</li> <li>• 2 Bare Soils</li> <li>• 10 Ice</li> <li>• 12 Ocean</li> </ul>	<ul style="list-style-type: none"> <li>• 16 Rock outcrops</li> <li>• 17 Urban Area</li> <li>• 18 Water</li> </ul>



**App. 3.3** Ratios used in the derivation of understudied carbon pools

Vegetation Group	Unmeasured vegetation types (%)	Vegetation biomass below the DBH threshold <sup>1</sup>	Litter	Coarse woody debris	Belowground
Bush	0.0011 [35]	0.0021*DBH [36, 37]	0.1546 [35, 38, 39]	0.2400 [35, 38, 40, 41]	0.3177 [35, 42]
Crop	0.1987 [43-45]	N/A	0.1987*0.2039 [N/A <sup>2</sup> ]	0.1987*0.4769 [N/A <sup>3</sup> ]	0.3209 [46-48]
Forest	0.0043 [30-32]	0.0052*DBH [49]	0.0518 [50, 51]	0.0622 [40, 41, 50-52]	0.2578 [35, 51, 53-56]
Grass	0.1987*0.5 [N/A <sup>4</sup> ]	N/A	0.1987*0.5*0.2039 [N/A <sup>2</sup> ]	0.1987*0.5*0.4769 [N/A <sup>3</sup> ]	1.6 [57]
Mangrove	0.0227 [58]	0.0059*DBH [59] from [60]	0.5054 [58, 61, 62]	0.0835 [63]	0.2691 [63, 64]
Other	N/A	N/A	0.3250 [65]	0.4 [40]	0 [N/A <sup>5</sup> ]
Savanna	0.3842 [45, 66, 67]	0.0021*DBH [36, 37]	0.2039 [38, 45, 67-69]	0.4769 [38, 40, 45, 66, 70]	0.7437 [57, 71]
Wetland	0.0526 [72]	N/A	N/A	0.2542 [73]	1.9456 [74, 75]
Wood	0.2048 [66, 67, 76]	0.0021*DBH [36, 37]	0.1145 [38, 67-69]	0.1274 [38, 40, 41, 66, 69, 77]	0.3856 [57, 68, 78]

<sup>1</sup> To incorporate the smaller trees in these studies it was assumed that the number of trees below 10cm diameter at breast height was a linear relationship. If data on the DBH threshold was unavailable it was assumed individually based on each paper in an ad hoc basis.

<sup>2</sup> The measured vegetation in cropland and grassland is assumed to produce minimal litter. Hence the unmeasured woody part is the source of the litter and the ratio of this component to litter is assumed to be the same as savanna.

<sup>3</sup> The unmeasured vegetation of both cropland and grassland is assumed to be woody and produce all of the coarse woody debris in the classification. The ratio of this component to coarse woody debris is assumed to be the same as that from savanna.

<sup>4</sup> The unmeasured vegetation type ratio for grassland is assumed to be 50% ratio for crops.

<sup>5</sup> The belowground component for the category 'other' is assumed to be zero.

**App. 3.4** The carbon values, confidence limits and percent error for all five IPCC carbon pools using the original land cover categories (Area (million ha); M - Median carbon storage (Mg ha<sup>-1</sup>); ICI - Lower 95% confidence interval of carbon storage (Mg ha<sup>-1</sup>); uCI - Upper 95% confidence interval of carbon storage (Mg ha<sup>-1</sup>); % - Percent error (%); n – Sample size)

Description	Area	Aboveground live					Litter				Coarse woody debris				Belowground live				Soil				TOTAL				References
		M	ICI	uCI	%	n	M	ICI	uCI	%	M	ICI	uCI	%	M	ICI	uCI	%	M	ICI	uCI	%	M	ICI	uCI	%	
1 Unclassified	0.00	<b>0.0</b>	0.0	0.0	0.0	0	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>100.9</b>	85.8	120.3	24.3	<b>100.9</b>	85.8	120.3	24.3	[23]
2 Bare Soils	0.02	<b>2.0</b>	2.0	2.0	0.0	1	<b>0.6</b>	0.6	0.6	0.0	<b>0.8</b>	0.8	0.8	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>96.0</b>	87.5	106.7	14.2	<b>99.4</b>	90.8	110.1	13.8	[23] & unpublished data
3 Bushland	5.04	<b>62.9</b>	31.3	109.6	89.6	15	<b>9.6</b>	4.8	16.6	88.3	<b>15.0</b>	7.5	26.0	88.9	<b>19.8</b>	10.0	34.4	88.7	<b>104.8</b>	95.4	115.3	13.4	<b>212.1</b>	149.1	301.8	51.7	[23, 35, 42] & unpublished data
4 Bushland with scattered cropland	3.41	<b>8.2</b>	8.2	8.2	0.0	1	<b>0.3</b>	0.3	0.3	0.0	<b>0.6</b>	0.6	0.6	0.0	<b>2.2</b>	2.2	2.2	0.0	<b>106.6</b>	100.1	114.5	9.6	<b>117.8</b>	111.3	125.8	8.7	[23, 48]
5 Closed Woodland	1.82	<b>125.2</b>	84.4	153.5	39.7	104	<b>11.8</b>	8.0	14.4	39.3	<b>21.1</b>	14.2	25.8	39.4	<b>39.8</b>	27.0	48.6	39.2	<b>103.5</b>	97.5	109.8	8.4	<b>301.4</b>	231.0	352.1	28.8	[23, 66, 68] & unpublished data
6 Cultivation	2.46	<b>3.3</b>	1.9	5.8	87.2	14	<b>0.1</b>	0.1	0.2	83.8	<b>0.3</b>	0.2	0.5	84.9	<b>0.9</b>	0.5	1.6	86.9	<b>118.8</b>	110.7	128.0	10.3	<b>123.4</b>	113.4	136.1	13.1	[23, 48, 79-82]
7 Forest mosaic	0.05	<b>187.0</b>	173.5	201.1	10.4	573	<b>9.3</b>	8.6	10.0	10.5	<b>11.2</b>	10.4	12.0	10.4	<b>45.7</b>	42.5	49.2	10.5	<b>125.5</b>	90.6	174.6	48.0	<b>378.7</b>	325.5	446.9	22.8	[23] & unpublished data
8 Grassland	5.18	<b>17.9</b>	1.5	18.0	91.4	7	<b>0.3</b>	0.0	0.3	91.5	<b>0.8</b>	0.1	0.8	91.4	<b>26.0</b>	2.2	26.2	91.4	<b>108.4</b>	100.8	117.4	10.8	<b>153.4</b>	104.7	162.7	32.3	[23, 42, 46, 83, 84]
9 Grassland with scattered cropland	2.73	<b>12.6</b>	7.2	13.2	43.1	3	<b>0.4</b>	0.2	0.4	43.1	<b>1.0</b>	0.6	1.0	43.1	<b>3.4</b>	1.9	3.5	43.1	<b>111.7</b>	103.0	120.9	11.3	<b>129.0</b>	112.9	139.1	14.7	[23, 46, 79]
10 Ice	0.00	<b>0.0</b>	0.0	0.0	0.0	0	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>165.8</b>	129.1	202.5	31.3	<b>165.8</b>	129.1	202.5	31.3	[23]

11 Mangrove forest	0.06	<b>87.5</b>	52.8	206.0	141.0	6	<b>34.2</b>	9.5	91.7	182.9	<b>6.4</b>	3.6	15.9	153.9	<b>21.6</b>	13.1	50.1	137.5	<b>79.8</b>	71.5	89.6	16.1	<b>229.6</b>	150.5	453.4	103.4	[23, 54, 63, 64, 85, 86]
12 Ocean	0.00	<b>0.0</b>	0.0	0.0	0.0	0	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>98.1</b>	84.5	113.7	21.1	<b>98.1</b>	84.5	113.7	21.1	[23]
13 Open Woodland	9.62	<b>56.5</b>	46.5	67.6	26.3	114	<b>5.6</b>	4.8	6.5	22.7	<b>10.4</b>	8.7	12.1	23.4	<b>18.9</b>	15.9	22.1	23.5	<b>104.7</b>	98.2	111.5	9.0	<b>196.1</b>	174.0	219.9	16.5	[23, 66, 68, 71, 78, 81, 87, 88] & unpublished data
14 Permanent Swamp	0.18	<b>23.5</b>	11.9	35.0	69.5	7	<b>0.0</b>	0.0	0.0	0.0	<b>5.7</b>	2.9	8.5	69.8	<b>43.5</b>	22.0	65.4	70.5	<b>683.0</b>	683.0	683.0	0.0	<b>755.6</b>	719.8	791.9	6.7	[74, 75, 81, 89]
15 Plantation Forest	0.10	<b>89.4</b>	49.9	129.1	62.6	48	<b>4.4</b>	2.5	6.3	61.6	<b>5.3</b>	3.1	7.7	60.9	<b>21.9</b>	12.3	31.4	61.7	<b>113.3</b>	103.6	123.0	12.1	<b>234.3</b>	171.4	297.4	38.0	[23, 50, 55, 90-94]
16 Rock outcrops	0.00	<b>2.0</b>	2.0	4.9	151.5	6	<b>0.6</b>	0.6	1.5	139.5	<b>0.8</b>	0.8	2.0	151.5	<b>0.0</b>	0.0	0.0	0.0	<b>98.4</b>	78.1	120.2	30.3	<b>101.8</b>	81.5	128.7	33.1	[23, 81, 87] & unpublished data
17 Urban Area	0.03	<b>0.0</b>	0.0	0.0	0.0	0	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>110.1</b>	96.8	125.2	18.3	<b>110.1</b>	96.8	125.2	18.3	[23]
18 Water	0.12	<b>0.0</b>	0.0	0.0	0.0	0	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>0.0</b>	0.0	0.0	0.0	<b>90.2</b>	78.9	102.0	18.1	<b>90.2</b>	78.9	102.0	18.1	[23]
19 Woodland with scattered cropland	2.12	<b>48.3</b>	28.6	64.1	52.3	7	<b>4.5</b>	2.8	6.0	50.6	<b>8.1</b>	5.0	10.7	50.2	<b>15.4</b>	9.1	20.3	52.0	<b>107.0</b>	101.9	112.3	6.9	<b>183.3</b>	147.4	213.5	25.6	[23, 46, 79, 95]
20 Lowland Forest	0.15	<b>206.7</b>	194.9	219.5	8.4	1228	<b>10.1</b>	9.5	10.8	8.7	<b>12.2</b>	11.5	12.9	8.6	<b>50.4</b>	47.5	53.6	8.6	<b>107.1</b>	97.6	117.5	13.1	<b>386.5</b>	361.0	414.3	9.8	[23, 35, 49, 66] & unpublished data
21 Sub-montane forest	0.34	<b>283.2</b>	252.1	328.9	19.5	184	<b>13.9</b>	12.4	16.1	19.2	<b>16.7</b>	14.8	19.4	19.8	<b>69.1</b>	61.5	80.1	19.4	<b>107.4</b>	100.0	115.4	10.1	<b>490.2</b>	440.8	559.9	17.4	[23, 50, 96, 97] & unpublished data
22 Montane Forest	0.21	<b>228.3</b>	189.6	286.1	30.5	203	<b>11.2</b>	9.3	14.0	30.7	<b>13.4</b>	11.1	16.9	31.0	<b>55.6</b>	46.0	69.7	30.5	<b>120.0</b>	111.1	130.8	11.6	<b>428.5</b>	367.2	517.4	25.2	[23] & unpublished data
23 Upper-montane	0.10	<b>201.7</b>	72.7	331.7	90.8	32	<b>9.8</b>	3.6	16.3	91.4	<b>11.8</b>	4.3	19.6	91.3	<b>49.2</b>	17.7	81.3	91.5	<b>141.1</b>	120.5	169.2	24.7	<b>413.7</b>	218.7	618.0	68.3	[23] & unpublished



**App. 3.5** The location of the published and unpublished data utilised for the creation of the carbon values and the land use categories and vegetation groups they were applied to.

Reference	Aboveground Carbon (t/ha)	Paper description	Country	Latitude	Longitude	Plot size (m <sup>2</sup> )	Plot number	Vegetation Group	Map input code (For an explanation of the codes see Table S5)
[35]	23.0	Dry coastal thicket	Kenya	3°20'S	39°50'E	1257	16	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 2000 3, 1923 tf, Savanna spectrum
[35]	27.0	Dry coastal mixed thicket	Kenya	3°20'S	39°50'E	1257	16	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 2000 3, 1923 tf, Savanna spectrum
[35]	28.0	Dry coastal Cynometra thicket	Kenya	3°20'S	39°50'E	1257	16	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 2000 3, 1923 tf, Savanna spectrum
[42]	1.5	Xeric shrubland	South Africa	31°20'S	19°10'E	1	n/a	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 2000 3, 1923 tf, Savanna spectrum
[42]	1.7	Karoo - small bushes and grasses	South Africa	32°15'S	20°50'E	1	n/a	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 2000 3, 1923 tf, Savanna spectrum
[42]	12.9	Xeric shrubland	South Africa	31°20'S	19°10'E	1	n/a	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 2000 3, 1923 tf, Savanna spectrum
[42]	51.6	Succulent thicket and spinescent shrubs	South Africa	33°30'S	25°20'E	1	n/a	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 2000 3, 1923 tf, Savanna spectrum
Unpublished data	94.1	New Dabaga-Ulangambi. Montane forest, shrub, thicket & bush	Tanzania	8°04'S	35°54'E	1000	1	Bush	1908 8, 1908 9, 1949 2b, 2000 3, 2000 7, 1923 tf, Savanna spectrum
Unpublished data	16.9	New Dabaga-Ulangambi. Montane forest, shrub, thicket & bush	Tanzania	8°02'S	35°55'E	1000	1	Bush	1908 8, 1908 9, 1949 2b, 2000 3, 2000 7, 1923 tf, Savanna spectrum
Unpublished data	245.3	Kanga. Rocky thicket	Tanzania	n/a	n/a	1000	1	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 1949 CPC, 1949 RPC, 1949 UC, 2000 3, 1923 tf, Savanna spectrum
Unpublished data	74.8	Kanga. Submontane forest, scrub. Thicket & bush	Tanzania	n/a	n/a	1000	1	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 1949 CPC, 1949 RPC, 1949 UC, 2000 3, 1923 tf, Savanna spectrum
Unpublished data	43.0	Kanga. Submontane forest, scrub. Thicket & bush	Tanzania	n/a	n/a	1000	1	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 1949 CPC, 1949 RPC, 1949 UC, 2000 3, 1923 tf, Savanna spectrum
Unpublished data	0.1	Mselezi. Scrub, thicket & bush	Tanzania	n/a	n/a	1000	1	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 1949 CPC, 1949 RPC, 1949 UC, 2000 3, 1923 tf, Savanna spectrum
Unpublished data	132.6	Nguru South. Montane forest & scrub	Tanzania	n/a	n/a	1000	1	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 1949 CPC, 1949 RPC, 1949 UC, 2000 3, 1923 tf, Savanna spectrum
Unpublished data	48.6	Nguru South. Montane forest & scrub	Tanzania	n/a	n/a	1000	1	Bush	1908 8, 1908 9, 1949 3, 1949 3b, 1949 CPC, 1949 RPC, 1949 UC, 2000 3, 1923 tf, Savanna spectrum
[79]	6.5	Maize	East Africa	n/a	n/a	n/a	n/a	Crop	1949 8, 1949 8b, 2000 6, Crop
[79]	6.0	Farm/field boundary	East Africa	n/a	n/a	n/a	n/a	Crop	2000 9
[79]	7.0	Fodder and fallow	East Africa	n/a	n/a	n/a	n/a	Crop	2000 9
[103]	56.4	Sisal	Tanzania	5°04'S	36°06'E	n/a	n/a	Crop	2000 24
[103]	44.1	Sisal	Tanzania	5°04'S	36°06'E	n/a	n/a	Crop	2000 24

[103]	36.8	Sisal	Tanzania	5°04'S	36°06'E	n/a	n/a	Crop	2000 24
[80]	47.0	Tea plantation 14yrs old	Kenya	0°22'S	35°21'E	1	15	Crop	1949 8, 1949 8b, 2000 25, 2000 29, 2000 6, Crop
[80]	72.0	Tea plantation 29yrs old	Kenya	0°22'S	35°21'E	1	15	Crop	1949 8, 1949 8b, 2000 25, 2000 29, 2000 6, Crop
	45.0	Tea plantation 43yrs old	Kenya	0°22'S	35°21'E	1	15	Crop	1949 8, 1949 8b, 2000 25, 2000 29, 2000 6, Crop
[80]	65.0	Tea plantation 76yrs old	Kenya	0°22'S	35°21'E	1	15	Crop	1949 8, 1949 8b, 2000 25, 2000 29, 2000 6, Crop
[46]	1.2	Groundnut field in savannah	Senegal	12°49'N	14°53'W	16	24	Crop	2000 19
[46]	11.0	Young fallow field	Senegal	12°49'N	14°53'W	900	51	Crop	2000 9
[100]	2.5	Rice	Tanzania	10°37'S	35°49'E	409000	1	Crop	2000 28
[101]	3.0	Rice	Tanzania	2°40'S	31°48'E	n/a	n/a	Crop	2000 28
[47]	11.8	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	12.3	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	12.5	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	12.8	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	13.1	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	13.1	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	13.3	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	13.4	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	14.8	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	15.0	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	15.1	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	15.3	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	15.5	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	15.6	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	16.4	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	16.4	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[47]	17.5	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25

[47]	22.2	Tea	Kenya	0°22'S	31°21'E	1	7	Crop	2000 25
[81]	2.0	Croplands	Global	n/a	n/a	n/a	n/a	Crop	1949 8, 1949 8b, 2000 29, 2000 6, Crop
[81]	3.0	Croplands	Global	n/a	n/a	n/a	n/a	Crop	1949 8, 1949 8b, 2000 29, 2000 6, Crop
[48]	5.5	Sole cropping	Ivory coast	6°17'N	5°13'W	70	2	Crop	1949 8, 1949 8b, 2000 29, 2000 6, Crop
[48]	6.8	Hedge alley cropping	Ivory coast	6°17'N	5°13'W	70	2	Crop	2000 4
[82]	0.6	Maize	Tanzania	5°04'S	39°06'E	n/a	n/a	Crop	1949 8, 1949 8b, 2000 29, 2000 6, Crop
[82]	0.6	Maize	Tanzania	5°04'S	39°06'E	n/a	n/a	Crop	1949 8, 1949 8b, 2000 29, 2000 6, Crop
[82]	1.1	Maize	Tanzania	5°04'S	39°06'E	n/a	n/a	Crop	1949 8, 1949 8b, 2000 29, 2000 6, Crop
[82]	2.0	Maize	Tanzania	5°04'S	39°06'E	n/a	n/a	Crop	1949 8, 1949 8b, 2000 29, 2000 6, Crop
[82]	2.3	Maize	Tanzania	5°04'S	39°06'E	n/a	n/a	Crop	1949 8, 1949 8b, 2000 29, 2000 6, Crop
[82]	3.6	Maize	Tanzania	5°04'S	39°06'E	n/a	n/a	Crop	1949 8, 1949 8b, 2000 29, 2000 6, Crop
[102]	1.9	Sugar cane yield	Tanzania	6°49'S	37°40'E	5570	1	Crop	2000 30
[102]	3.4	Sugar cane yield	Tanzania	6°49'S	37°40'E	4800	1	Crop	2000 30
[102]	6.2	Sugar cane yield	Tanzania	6°49'S	37°40'E	5470	1	Crop	2000 30
[102]	7.0	Sugar cane yield	Tanzania	6°49'S	37°40'E	4650	1	Crop	2000 30
[102]	12.8	Sugar cane yield	Tanzania	6°49'S	37°40'E	4500	1	Crop	2000 30
[102]	13.4	Sugar cane yield	Tanzania	6°49'S	37°40'E	5114	1	Crop	2000 30
[102]	31.0	Sugar cane yield	Tanzania	6°49'S	37°40'E	9700	1	Crop	2000 30
[102]	31.3	Sugar cane yield	Tanzania	6°49'S	37°40'E	9525	1	Crop	2000 30
[102]	33.1	Sugar cane yield	Tanzania	6°49'S	37°40'E	9928	1	Crop	2000 30
[102]	34.1	Sugar cane yield	Tanzania	6°49'S	37°40'E	10379	1	Crop	2000 30
[102]	34.6	Sugar cane yield	Tanzania	6°49'S	37°40'E	10223	1	Crop	2000 30
[102]	34.9	Sugar cane yield	Tanzania	6°49'S	37°40'E	10000	1	Crop	2000 30
[102]	36.2	Sugar cane yield	Tanzania	6°49'S	37°40'E	5670	1	Crop	2000 30
[102]	36.2	Sugar cane yield	Tanzania	6°49'S	37°40'E	5670	1	Crop	2000 30
[102]	41.7	Sugar cane yield	Tanzania	6°49'S	37°40'E	4800	1	Crop	2000 30

[102]	45.2	Sugar cane yield	Tanzania	6°49'S	37°40'E	3850	1	Crop	2000 30
[102]	45.3	Sugar cane yield	Tanzania	6°49'S	37°40'E	10084	1	Crop	2000 30
[102]	45.7	Sugar cane yield	Tanzania	6°49'S	37°40'E	3850	1	Crop	2000 30
[102]	58.4	Sugar cane yield	Tanzania	6°49'S	37°40'E	3282	1	Crop	2000 30
[102]	59.6	Sugar cane yield	Tanzania	6°49'S	37°40'E	5850	1	Crop	2000 30
[102]	65.2	Sugar cane yield	Tanzania	6°49'S	37°40'E	3282	1	Crop	2000 30
[90]	149.0	4 to 27 yr old <i>Pinus patula</i>	Tanzania	8°19'S	35°12'E	n/a	99	Forest	2000 15, Forest
[50]	200.0	Old East African indigenous forest (1500-2000m)	Kenya	0°15'N	34°58'E	400	46	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
[50]	81.0	Young East African indigenous forest (1500-2000m)	Kenya	0°15'N	34°58'E	400	16	Forest	1908 5, 1949 1b, 2000 21, 1923 tmrf, Forest
[50]	111.0	Young hardwood plantation	Kenya	0°15'N	34°58'E	400	13	Forest	1908 5, 2000 15, 1923 tmrf, Forest
[50]	150.0	Old softwood plantation	Kenya	0°15'N	34°58'E	400	5	Forest	1908 5, 2000 15, 1923 tmrf, Forest
[50]	72.0	Young softwood plantation	Kenya	0°15'N	34°58'E	400	5	Forest	2000 15, Forest
[50]	200.0	Old hardwood plantation	Kenya	0°15'N	34°58'E	400	10	Forest	2000 15, Forest
[35]	42.0	Dry coastal <i>Cynometra</i> forest	Kenya	3°20'S	39°50'E	1257	16	Forest	1908 7, 1949 2b, 2000 20, 1923 trrf, Forest
[35]	46.0	Dry coastal <i>Brachystegia</i> forest	Kenya	3°20'S	39°50'E	1257	16	Forest	1908 7, 1949 2b, 2000 20, 1923 trrf, Forest
[35]	50.0	Dry coastal Mixed forest	Kenya	3°20'S	39°50'E	1257	16	Forest	1908 7, 1949 2b, 2000 20, 1923 trrf, Forest
[54]	53.4	12-year-old <i>Rhizophora mucronata</i> plantation	Kenya	4°25'S	39°30'E	100	22	Forest	1908 2, 1949 1 , 2000 11, 1923 m, Forest
[55]	86.8	Teak plantation	Panama	9°20'N	79°50'W	n/a	48	Forest	2000 15, 2000 27, Forest
[55]	91.8	Teak plantation	Panama	9°20'N	79°50'W	n/a	48	Forest	2000 15, 2000 27, Forest
[55]	117.1	Teak plantation	Panama	9°20'N	79°50'W	n/a	48	Forest	2000 15, 2000 27, Forest
[55]	122.2	Teak plantation	Panama	9°20'N	79°50'W	n/a	48	Forest	2000 15, 2000 27, Forest
[49]	70.4	Forest (610m)	Tanzania	8°35'S	35°52'E	250	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
[49]	80.4	Forest (510m)	Tanzania	8°35'S	35°52'E	250	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	498.0	Forest (>2000m)	Tanzania	7°41'S	36°52'E	10000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	132.8	Forest <500	Tanzania	7°49'S	36°58'E	10000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished	153.9	forest 500-1000	Tanzania	5°05'	36°52'	10000	7	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest



<b>data</b>				7°48'S	38°57'E				
<b>Unpublished data</b>	210.0	Forest 1000-1500	Tanzania	4°49'-7°48'S	36°52'-38°30'E	10000	6	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	162.0	Forest 1500-2000	Tanzania	4°48'-7°49'S	36°50'-38°29'E	10000	4	Forest	1908 5, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>[66]</b>	93.0	Dry deciduous forest	Ethiopia	8°08'N	34°34'E	n/a	n/a	Forest	1949 1 , 2000 20, Forest
<b>[96]</b>	252.4	Forest 1500-2000	Tanzania	n/a	n/a	n/a	n/a	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	91.0	Lowland forest	Tanzania	n/a	n/a	n/a	n/a	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>[92]</b>	0.4	3 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	1.0	3 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	1.0	3 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	1.0	4 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	1.3	4 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	1.3	4 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	2.8	6 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	5.4	8 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	8.5	9 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	8.7	7 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	9.3	6 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	10.4	7 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	10.6	8 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	11.0	9 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	11.8	6 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	11.9	9 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	12.9	8 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	13.5	7 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	20.2	17 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
<b>[92]</b>	20.6	17 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest

[92]	22.0	17 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
[92]	63.0	26 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
[92]	74.3	40 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
[92]	85.8	31 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
[92]	102.1	38 year old Teak plantation	Ghana	9°24'N	0°49'W	154	4	Forest	2000 15, 2000 27, Forest
[81]	120.0	Tropical forests	Global	n/a	n/a	n/a	n/a	Forest	1908 5, 1949 1 , 1923 tmrf
[81]	194.0	Tropical forests	Global	n/a	n/a	n/a	n/a	Forest	1908 5, 1949 1 , 1923 tmrf
[93]	21.0	Sub humid agroforestry	Global	n/a	n/a	n/a	n/a	Forest	2000 15, Forest
[93]	50.0	Humid agroforestry	Global	n/a	n/a	n/a	n/a	Forest	2000 15, Forest
Unpublished data	86.4	Sub-montane miombo woodland & lowland forest	Tanzania	8°00'S	36°35'E	707	1	Forest	1908 10, 1908 5, 1949 1b, 1949 2, 2000 5, 1923 df, 1923 tmrf, Savanna spectrum
Unpublished data	104.2	Lowland woodland forest	Tanzania	9°00'S	36°48'E	707	1	Forest	1908 10, 1908 5, 1949 1b, 1949 2, 2000 5, 1923 df, 1923 tmrf, Savanna spectrum
Unpublished data	125.0	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	225.9	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	120.6	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	458.9	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	349.0	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	190.4	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	397.8	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	156.8	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	177.0	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	452.6	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	457.7	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	284.2	Matundu East. Mostly better forest	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	356.7	Matundu East. Mostly better forest	Tanzania	7°56'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest







data									1923 trrf, Forest
Unpublished data	206.6	Amani.	Tanzania	5°11'S	38°35'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	40.6	Amani.	Tanzania	5°12'S	38°35'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	182.9	Amani.	Tanzania	5°06'S	38°39'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	399.3	Amani.	Tanzania	5°07'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	447.0	Amani.	Tanzania	5°07'S	38°39'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	109.3	Amani.	Tanzania	5°07'S	38°39'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	202.5	Amani.	Tanzania	5°07'S	38°34'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	100.3	Amani.	Tanzania	5°07'S	38°34'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	81.7	Amani.	Tanzania	5°07'S	38°33'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	393.3	Amani.	Tanzania	5°08'S	38°39'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	106.3	Amani.	Tanzania	5°08'S	38°34'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	253.2	Amani.	Tanzania	5°08'S	38°34'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	170.9	Amani.	Tanzania	5°08'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	339.9	Amani.	Tanzania	5°08'S	38°34'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	88.4	Amani.	Tanzania	5°08'S	38°34'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	194.2	Amani.	Tanzania	5°09'S	38°37'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	164.5	Amani.	Tanzania	5°09'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	240.5	Amani.	Tanzania	5°09'S	38°37'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	342.2	Amani.	Tanzania	5°09'S	38°37'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	200.6	Bamba Ridge.	Tanzania	4°57'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	318.2	Bamba Ridge.	Tanzania	4°57'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	108.3	Kambai.	Tanzania	4°58'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	82.9	Kambai.	Tanzania	5°00'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest

Unpublished data	267.6	Kambai.	Tanzania	5°00'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	138.2	Kambai.	Tanzania	5°00'S	38°41'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	169.5	Kambai.	Tanzania	5°00'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	374.1	Kambai.	Tanzania	5°00'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	80.6	Kambai.	Tanzania	5°00'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	139.1	Kambai.	Tanzania	4°59'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	24.5	Kambai.	Tanzania	4°59'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	317.5	Kambai.	Tanzania	4°59'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	77.6	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	40.8	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	63.3	Kwamgumi.	Tanzania	4°55'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	156.4	Kwamgumi.	Tanzania	4°55'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	94.6	Kwamgumi.	Tanzania	4°55'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	346.2	Kwamgumi.	Tanzania	4°56'S	38°43'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	349.8	Kwamgumi.	Tanzania	4°56'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	178.3	Kwamgumi.	Tanzania	4°56'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	627.2	Kwamgumi.	Tanzania	4°56'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	603.2	Kwamgumi.	Tanzania	4°57'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	307.5	Kwamgumi.	Tanzania	4°57'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	148.9	Kwamgumi.	Tanzania	4°57'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	161.8	Kwamgumi.	Tanzania	4°57'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	200.0	Mgambo.	Tanzania	4°47'S	38°48'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	188.8	Mgambo.	Tanzania	4°46'S	38°48'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	241.8	Mgambo.	Tanzania	4°46'S	38°48'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs,

<b>data</b>									1923 trrf, Forest
<b>Unpublished data</b>	179.2	Mgambo.	Tanzania	4°46'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	63.7	Mgambo.	Tanzania	4°45'S	38°48'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	110.6	Mgambo.	Tanzania	4°45'S	38°48'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	231.4	Mgambo.	Tanzania	4°45'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	34.4	Mgambo.	Tanzania	4°45'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	54.6	Mgambo.	Tanzania	4°45'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	68.3	Mgambo.	Tanzania	4°45'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	120.2	Mgambo.	Tanzania	4°45'S	38°48'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	389.6	Mgambo.	Tanzania	4°45'S	38°48'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	138.7	Mgambo.	Tanzania	4°45'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	193.5	Mgambo.	Tanzania	4°45'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	23.1	Mlinga.	Tanzania	5°03'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	153.7	Mlinga.	Tanzania	5°03'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	2.8	Mlinga.	Tanzania	5°04'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	143.1	Mlinga.	Tanzania	5°04'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	468.7	Mpanga Village.	Tanzania	4°47'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	90.3	Mtai.	Tanzania	4°51'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	326.9	Mtai.	Tanzania	4°51'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	130.0	Mtai.	Tanzania	4°50'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	328.3	Mtai.	Tanzania	4°50'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	159.4	Mtai.	Tanzania	4°50'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	490.3	Mtai.	Tanzania	4°50'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	339.6	Mtai.	Tanzania	4°50'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest





data									1923 trrf, Forest
Unpublished data	20.3	Nilo.	Tanzania	4°59'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	182.5	Nilo.	Tanzania	4°55'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	54.5	Nilo.	Tanzania	4°55'S	38°41'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	186.9	Nilo.	Tanzania	4°58'S	38°39'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	115.9	Nilo.	Tanzania	4°51'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	963.3	Nilo.	Tanzania	4°57'S	38°39'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	246.8	Nilo.	Tanzania	4°57'S	38°39'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	50.2	Nilo.	Tanzania	4°50'S	38°39'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	225.3	Nilo.	Tanzania	4°57'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	195.5	Nilo.	Tanzania	4°57'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	98.1	Nilo.	Tanzania	4°58'S	38°37'E	1000	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	33.3	Sanje.	Tanzania	7°46'S	36°53'E	2500	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	138.8	Matundu East. Mostly forest edge	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	446.5	Matundu East. Mostly forest edge	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	322.4	Matundu East. Mostly forest edge	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	238.2	Matundu East. Mostly forest edge	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	848.4	Matundu East. Mostly forest edge	Tanzania	7°57'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	60.5	Matundu East. Mostly forest edge	Tanzania	7°58'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	286.9	Matundu East. Mostly forest edge	Tanzania	7°58'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	14.7	Matundu East. Mostly forest edge	Tanzania	7°58'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	15.0	Matundu East. Mostly forest edge	Tanzania	7°58'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	37.8	Matundu East. Mostly forest edge	Tanzania	7°58'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	103.3	Matundu East. Mostly forest edge	Tanzania	7°58'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest





Unpublished data	134.2	Matundu East. Mostly forest edge	Tanzania	7°59'S	36°36'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	165.5	Matundu East. Mostly forest edge	Tanzania	7°59'S	36°36'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	221.7	Matundu East. Mostly forest edge	Tanzania	7°59'S	36°36'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	700.4	Matundu East. Mostly better forest	Tanzania	7°56'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 5, 1908 6, 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	153.2	Matundu East. Mostly better forest	Tanzania	7°56'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	106.1	Matundu East. Mostly better forest	Tanzania	7°56'S	36°35'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	570.8	Amani.	Tanzania	5°06'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	372.8	Amani.	Tanzania	5°06'S	38°34'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	218.1	Amani.	Tanzania	5°05'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	216.6	Amani.	Tanzania	5°05'S	38°37'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	115.3	Amani.	Tanzania	5°10'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	84.3	Amani.	Tanzania	5°10'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	130.9	Amani.	Tanzania	5°10'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	234.4	Amani.	Tanzania	5°10'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	103.6	Amani.	Tanzania	5°10'S	38°37'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	342.3	Amani.	Tanzania	5°10'S	38°35'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	17.6	Amani.	Tanzania	5°11'S	38°37'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	17.9	Amani.	Tanzania	5°13'S	38°36'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	182.9	Amani.	Tanzania	5°08'S	38°34'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	187.4	Amani.	Tanzania	5°08'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	169.9	Amani.	Tanzania	5°09'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	79.5	Amani.	Tanzania	5°09'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	216.9	Amani.	Tanzania	5°09'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished	164.4	Amani.	Tanzania	5°09'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest

data									Forest
Unpublished data	150.5	Amani.	Tanzania	5°09'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	133.0	Amani.	Tanzania	5°09'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	144.6	Amani.	Tanzania	5°10'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	199.5	Amani.	Tanzania	5°10'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	204.1	Amani.	Tanzania	5°10'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	222.2	Amani.	Tanzania	5°10'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	27.3	Amani.	Tanzania	5°10'S	38°37'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	98.4	Amani.	Tanzania	5°10'S	38°37'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	135.4	Bamba Ridge.	Tanzania	4°58'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	137.8	Bamba Ridge.	Tanzania	4°58'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	40.9	Bamba Ridge.	Tanzania	4°57'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	250.5	Bamba Ridge.	Tanzania	4°56'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	301.2	Bamba Ridge.	Tanzania	4°56'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	68.1	Bamba Ridge.	Tanzania	4°58'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	90.6	Bamba Ridge.	Tanzania	4°59'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	114.5	Bamba Ridge.	Tanzania	4°56'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	148.8	Bamba Ridge.	Tanzania	4°55'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	116.0	Kambai.	Tanzania	5°01'S	38°41'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	292.1	Kambai.	Tanzania	4°58'S	38°41'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	415.0	Kambai.	Tanzania	4°58'S	38°41'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	205.2	Kambai.	Tanzania	4°58'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	136.3	Kambai.	Tanzania	4°58'S	38°41'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	256.6	Kambai.	Tanzania	4°58'S	38°41'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest













data									Forest
Unpublished data	46.1	Mlinga.	Tanzania	5°03'S	38°43'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	18.5	Mlinga.	Tanzania	5°04'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	39.4	Mlinga.	Tanzania	5°04'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	173.8	Mlinga.	Tanzania	5°04'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	112.0	Mlinga.	Tanzania	5°04'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	316.6	Mlungui.	Tanzania	4°56'S	38°48'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	192.1	Mlungui.	Tanzania	4°56'S	38°48'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	9.9	Mlungui.	Tanzania	n/a	n/a	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	122.8	Mlungui.	Tanzania	n/a	n/a	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	22.8	Mtai.	Tanzania	4°52'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	139.7	Mtai.	Tanzania	4°52'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	279.5	Mtai.	Tanzania	4°52'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	350.0	Mtai.	Tanzania	4°51'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	245.5	Mtai.	Tanzania	4°51'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	455.8	Mtai.	Tanzania	4°52'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	90.2	Mtai.	Tanzania	4°52'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	141.7	Mtai.	Tanzania	4°52'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	70.4	Mtai.	Tanzania	4°52'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	112.1	Mtai.	Tanzania	4°52'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	103.2	Mtai.	Tanzania	4°52'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	541.2	Mtai.	Tanzania	4°53'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	207.4	Mtai.	Tanzania	4°53'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	87.8	Mtai.	Tanzania	4°53'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest



data									Forest
Unpublished data	1011.3	Mtai.	Tanzania	4°49'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	73.5	Mtai.	Tanzania	4°49'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	68.7	Mtai.	Tanzania	4°51'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	80.7	Mtai.	Tanzania	4°51'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	103.2	Mtai.	Tanzania	4°51'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	180.7	Mtai.	Tanzania	4°51'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	717.0	Mtai.	Tanzania	4°51'S	38°47'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	199.4	Mtai.	Tanzania	4°51'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	185.4	Mtai.	Tanzania	4°50'S	38°46'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	90.3	Nilo.	Tanzania	4°54'S	38°37'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	233.1	Nilo.	Tanzania	4°54'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	82.5	Nilo.	Tanzania	4°54'S	38°38'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	220.8	Nilo.	Tanzania	4°55'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	198.5	Nilo.	Tanzania	4°56'S	38°39'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	232.8	Segoma.	Tanzania	4°58'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	43.5	Segoma.	Tanzania	4°58'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	278.6	Segoma.	Tanzania	4°58'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	381.6	Segoma.	Tanzania	4°57'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	346.5	Segoma.	Tanzania	4°57'S	38°45'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	73.4	Segoma.	Tanzania	4°58'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	98.3	Segoma.	Tanzania	4°58'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	147.8	Segoma.	Tanzania	4°58'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	238.9	Segoma.	Tanzania	4°57'S	38°44'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest







Unpublished data	150.7	Semdoe.	Tanzania	n/a	n/a	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	9.6	Semdoe.	Tanzania	4°57'S	38°41'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	413.5	Semdoe.	Tanzania	4°57'S	38°41'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	126.2	Semdoe.	Tanzania	4°57'S	38°40'E	1000	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	331.6	Kimboza.	Tanzania	7°00'S	37°48'E	625	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	233.9	Kimboza.	Tanzania	7°00'S	37°48'E	625	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	131.5	Kimboza.	Tanzania	7°00'S	37°48'E	625	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	164.4	Sanje.	Tanzania	7°46'S	36°54'E	2500	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	80.0	Sanje.	Tanzania	7°46'S	36°54'E	2500	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	56.3	Sanje.	Tanzania	7°46'S	36°54'E	2500	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	26.8	Sanje.	Tanzania	7°46'S	36°54'E	2500	1	Forest	1908 3, 1908 4, 1908 6, 1949 1 , 2000 20, 1923 atgs, 1923 trrf, Forest
Unpublished data	318.1	Magombera. Mostly forest edge	Tanzania	7°49'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	252.9	Magombera. Mostly forest edge	Tanzania	7°49'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	125.9	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	212.3	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	280.9	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	32.9	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	305.2	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	439.3	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	345.4	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	223.8	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	485.8	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished data	192.8	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
Unpublished	226.0	Magombera. Mostly forest edge	Tanzania	7°48'S	36°57'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs,













































<b>data</b>									1923 trrf, Forest
<b>Unpublished data</b>	33.1	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°21'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	70.8	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°21'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	422.6	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°21'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	244.6	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°21'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	65.2	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°21'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	33.1	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°21'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	226.3	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°21'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	112.3	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°22'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	39.9	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°22'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	148.1	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°22'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	53.0	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°22'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	191.1	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°22'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	0.7	Matundu Ruipa. Mostly forest edge	Tanzania	8°04'S	36°22'E	250	1	Forest	1908 3, 1908 4, 1908 6, 1949 1b, 2000 20, 2000 7, 1923 atgs, 1923 trrf, Forest
<b>Unpublished data</b>	88.5	Grassland, wet miombo woodland & lowland forest	Tanzania	7°57'S	36°45'E	707	1	Forest	1908 3, 1908 4, 1949 1b, 2000 7, 1923 atgs, 1923 trrf, Savanna spectrum
<b>Unpublished data</b>	95.1	Grassland, wet miombo woodland & lowland forest	Tanzania	8°01'S	36°35'E	707	1	Forest	1908 3, 1908 4, 1949 1b, 2000 7, 1923 atgs, 1923 trrf, Savanna spectrum
<b>Unpublished data</b>	428.1	Montane rainforest & exotics	Tanzania	7°01'S	37°37'E	707	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	399.4	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	118.3	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	928.8	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	643.3	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	231.1	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	287.0	Nilo.	Tanzania	4°54'S	38°40'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	536.4	Nilo.	Tanzania	4°54'S	38°40'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest

Unpublished data	253.8	Nilo.	Tanzania	4°53'S	38°38'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	96.2	Nilo.	Tanzania	4°55'S	38°38'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	44.4	Nilo.	Tanzania	4°55'S	38°41'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	167.7	Nilo.	Tanzania	4°55'S	38°41'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	201.4	Nilo.	Tanzania	4°55'S	38°40'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	280.2	Nilo.	Tanzania	4°55'S	38°40'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	352.1	Nilo.	Tanzania	4°55'S	38°40'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	261.7	Nilo.	Tanzania	4°55'S	38°39'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	369.3	Nilo.	Tanzania	4°55'S	38°39'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	756.7	Nilo.	Tanzania	4°55'S	38°39'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	232.2	Nilo.	Tanzania	4°56'S	38°39'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	156.0	Nilo.	Tanzania	4°52'S	38°38'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	394.5	Nilo.	Tanzania	4°54'S	38°38'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	372.2	Nilo.	Tanzania	4°50'S	38°39'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	125.6	Nilo.	Tanzania	4°57'S	38°38'E	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	206.0	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	351.1	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	124.4	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	252.2	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	187.8	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	352.6	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	232.8	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	144.7	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	633.5	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest

<b>data</b>									
<b>Unpublished data</b>	625.4	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	501.1	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	332.4	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	174.9	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	275.3	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	187.4	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	159.9	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	141.8	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 5, 1908 6, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	6.4	Dry lowland forests	Tanzania	5°47'S	38°42'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	36.7	Lowland forest	Tanzania	5°41'S	38°00'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	40.3	Lowland forest	Tanzania	5°19'S	38°20'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	54.6	Lowland forest	Tanzania	7°12'S	37°51'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	56.3	Lowland forest	Tanzania	5°42'S	37°29'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	60.1	Dry lowland forest	Tanzania	5°34'S	37°51'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	64.9	Lowland forest	Tanzania	5°29'S	37°32'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	67.5	Lowland forest	Tanzania	5°15'S	38°30'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	67.7	Lowland forest	Tanzania	5°34'S	38°03'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	68.4	Lowland forest	Tanzania	8°36'S	36°24'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	71.5	Lowland forest	Tanzania	9°00'S	35°39'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	73.0	Sub-montane forest	Tanzania	8°27'S	38°58'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	74.4	Dry lowland & submontane forest	Tanzania	5°25'S	37°43'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	77.7	Lowland forest	Tanzania	5°35'S	38°15'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
<b>Unpublished data</b>	82.2	Lowland forest	Tanzania	5°34'S	38°26'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest



Unpublished data	83.8	Lowland forest	Tanzania	5°46'S	37°43'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	85.8	Lowland forest	Tanzania	5°52'S	37°54'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	95.5	Lowland forest	Tanzania	5°28'S	38°06'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	132.3	Lowland forest	Tanzania	5°46'S	37°42'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	134.2	Lowland forest	Tanzania	7°08'S	34°46'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	141.7	Lowland forest	Tanzania	8°16'S	36°05'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	174.9	Lowland forest	Tanzania	6°10'S	37°37'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	200.3	Lowland forest	Tanzania	5°34'S	38°37'E	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	300.1	Lowland forest	Tanzania	n/a	n/a	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	437.0	Submontane forest	Tanzania	n/a	n/a	707	1	Forest	1908 5, 1949 1 , 2000 20, 1923 tmrf, Forest
Unpublished data	217.7	Amani.	Tanzania	5°05'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	369.1	Amani.	Tanzania	5°05'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	420.5	Amani.	Tanzania	5°05'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	129.2	Amani.	Tanzania	5°06'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	271.9	Amani.	Tanzania	5°06'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	408.2	Amani.	Tanzania	5°06'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	95.5	Amani.	Tanzania	5°06'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	181.7	Amani.	Tanzania	5°06'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	95.8	Amani.	Tanzania	5°10'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	292.2	Amani.	Tanzania	5°10'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	64.4	Amani.	Tanzania	5°10'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	94.6	Amani.	Tanzania	5°11'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	82.4	Amani.	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished	324.2	Amani.	Tanzania	5°06'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest

<b>data</b>									
<b>Unpublished data</b>	611.0	Amani.	Tanzania	5°06'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	202.9	Amani.	Tanzania	5°06'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	423.4	Amani.	Tanzania	5°06'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	149.3	Amani.	Tanzania	5°06'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	82.8	Amani.	Tanzania	5°06'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	258.2	Amani.	Tanzania	5°06'S	38°34'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	559.9	Amani.	Tanzania	5°04'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	378.2	Amani.	Tanzania	5°07'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	390.0	Amani.	Tanzania	5°07'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	481.5	Amani.	Tanzania	5°07'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	514.3	Amani.	Tanzania	5°07'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	367.1	Amani.	Tanzania	5°07'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	143.7	Amani.	Tanzania	5°07'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	245.5	Amani.	Tanzania	5°07'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	562.1	Amani.	Tanzania	5°07'S	38°34'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	10.8	Amani.	Tanzania	5°07'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	208.7	Amani.	Tanzania	5°07'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	182.1	Amani.	Tanzania	5°07'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	145.9	Amani.	Tanzania	5°07'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	269.1	Amani.	Tanzania	5°07'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	121.9	Amani.	Tanzania	5°07'S	38°34'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	378.4	Amani.	Tanzania	5°08'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	545.0	Amani.	Tanzania	5°08'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest

Unpublished data	391.0	Amani.	Tanzania	5°08'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	409.7	Amani.	Tanzania	5°08'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	280.4	Amani.	Tanzania	5°08'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	307.7	Amani.	Tanzania	5°08'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	138.1	Amani.	Tanzania	5°08'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	544.9	Amani.	Tanzania	5°08'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	116.7	Amani.	Tanzania	5°08'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	373.8	Amani.	Tanzania	5°09'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	111.8	Amani.	Tanzania	5°09'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	113.4	Amani.	Tanzania	5°09'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	159.8	Amani.	Tanzania	5°09'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	356.5	Amani.	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	176.7	Amani.	Tanzania	5°09'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	510.5	Amani.	Tanzania	5°09'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	369.1	Amani.	Tanzania	5°10'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	385.6	Amani.	Tanzania	5°10'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	155.4	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	727.4	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	540.8	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	154.0	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	194.0	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	166.5	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	257.5	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished	398.4	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest

data									
Unpublished data	191.1	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	233.0	Kanga. Submontane forest	Tanzania	5°57'S	37°43'E	500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	92.2	Kanga. Submontane forest	Tanzania	5°57'S	37°43'E	500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	101.7	Kanga. Submontane forest	Tanzania	5°57'S	37°43'E	500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	501.3	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	75.6	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	113.8	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	181.5	Kanga. Forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	218.7	Kanga. Submontane forest	Tanzania	6°00'S	37°43'E	500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	83.1	Kanga. Submontane forest	Tanzania	6°00'S	37°43'E	500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	191.9	Kanga. Submontane forest	Tanzania	6°00'S	37°43'E	500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	458.8	Kwamgumi.	Tanzania	4°56'S	38°43'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	185.9	Kwamgumi.	Tanzania	4°57'S	38°44'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	45.2	Mgambo.	Tanzania	4°46'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	77.8	Mgambo.	Tanzania	4°46'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	227.7	Mlinga.	Tanzania	5°04'S	38°44'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	75.8	Mlinga.	Tanzania	5°04'S	38°44'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	138.9	Mlinga.	Tanzania	5°04'S	38°44'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	107.6	Mlinga.	Tanzania	5°04'S	38°44'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	47.7	Mlinga.	Tanzania	5°04'S	38°44'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	580.0	Mpanga Village.	Tanzania	4°47'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	407.5	Mpanga Village.	Tanzania	4°47'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	183.7	Mpanga Village.	Tanzania	4°47'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest

Unpublished data	270.2	Mpanga Village.	Tanzania	4°47'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	197.8	Mpanga Village.	Tanzania	4°47'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	179.0	Mtai.	Tanzania	4°50'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	236.2	Mtai.	Tanzania	4°50'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	115.7	Mtai.	Tanzania	4°49'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	284.8	Mtai.	Tanzania	4°49'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	472.4	Mtai.	Tanzania	4°49'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	156.9	Mtai.	Tanzania	4°49'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	347.6	Mtai.	Tanzania	4°49'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	569.9	Mtai.	Tanzania	4°49'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	93.8	Mtai.	Tanzania	4°49'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	344.7	Mtai.	Tanzania	4°49'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	1227.1	Mtai.	Tanzania	4°49'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	156.0	Mtai.	Tanzania	4°51'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	157.8	Mtai.	Tanzania	4°49'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	300.9	Mtai.	Tanzania	4°48'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	131.0	Mtai.	Tanzania	4°48'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	226.0	Mtai.	Tanzania	4°48'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	141.9	Mtai.	Tanzania	4°51'S	38°46'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	14.4	Mtai.	Tanzania	4°50'S	38°47'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	193.9	Nilo.	Tanzania	4°54'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	394.1	Nilo.	Tanzania	4°54'S	38°41'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	329.0	Nilo.	Tanzania	4°54'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished	248.3	Nilo.	Tanzania	4°54'S	38°41'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest

<b>data</b>									
<b>Unpublished data</b>	449.4	Nilo.	Tanzania	4°54'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	140.4	Nilo.	Tanzania	4°54'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	75.5	Nilo.	Tanzania	4°54'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	410.7	Nilo.	Tanzania	4°53'S	38°41'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	464.7	Nilo.	Tanzania	4°53'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	221.6	Nilo.	Tanzania	4°53'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	265.8	Nilo.	Tanzania	4°53'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	256.9	Nilo.	Tanzania	4°53'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	243.3	Nilo.	Tanzania	4°53'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	403.6	Nilo.	Tanzania	4°53'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	84.6	Nilo.	Tanzania	4°53'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	259.0	Nilo.	Tanzania	4°54'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	428.9	Nilo.	Tanzania	4°55'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	280.5	Nilo.	Tanzania	4°55'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	327.0	Nilo.	Tanzania	4°55'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	97.9	Nilo.	Tanzania	4°55'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	336.0	Nilo.	Tanzania	4°55'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	374.3	Nilo.	Tanzania	4°55'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	207.9	Nilo.	Tanzania	4°55'S	38°41'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	129.5	Nilo.	Tanzania	4°55'S	38°41'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	0.9	Nilo.	Tanzania	4°53'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	19.5	Nilo.	Tanzania	4°53'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
<b>Unpublished data</b>	123.9	Nilo.	Tanzania	4°53'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest

Unpublished data	146.0	Nilo.	Tanzania	4°53'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	84.8	Nilo.	Tanzania	4°55'S	38°41'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	172.1	Nilo.	Tanzania	4°55'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	235.8	Nilo.	Tanzania	4°53'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	21.5	Nilo.	Tanzania	4°58'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	125.7	Nilo.	Tanzania	4°52'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	16.7	Nilo.	Tanzania	4°52'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	346.4	Nilo.	Tanzania	4°56'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	265.2	Nilo.	Tanzania	4°56'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	172.5	Nilo.	Tanzania	4°51'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	391.8	Nilo.	Tanzania	4°51'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	135.4	Nilo.	Tanzania	4°58'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	147.5	Nilo.	Tanzania	4°38'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	37.1	Pala Ulanga. Lowland Forest	Tanzania	7°11'S	36°48'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	6.7	Pala Ulanga. Lowland Forest	Tanzania	7°11'S	36°48'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	39.4	Pala Ulanga. Lowland Forest	Tanzania	7°11'S	36°49'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	61.7	Pala Ulanga. Lowland Forest	Tanzania	7°11'S	36°48'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	5.4	Pala Ulanga. Lowland Forest	Tanzania	7°11'S	36°49'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	11.9	Pala Ulanga. Lowland Forest	Tanzania	7°11'S	36°48'E	1000	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	62.6	Pala Ulanga. Lowland Forest	Tanzania	7°11'S	36°48'E	500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	28.2	Pala Ulanga. Lowland Forest	Tanzania	7°11'S	36°48'E	500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	89.4	Pala Ulanga. Lowland Forest	Tanzania	7°11'S	36°48'E	500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	76.0	Sanje.	Tanzania	7°46'S	36°53'E	2500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	42.3	Sanje.	Tanzania	7°46'S	36°53'E	2500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest

data									
Unpublished data	63.1	Sanje.	Tanzania	7°46'S	36°53'E	2500	1	Forest	1908 5, 1949 1 , 2000 20, 1923 trrf, Forest
Unpublished data	8.7	Dry montane forest	Tanzania	5°26'S	37°22'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	43.8	Sub-montane forest	Tanzania	8°42'S	36°43'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	63.4	Dry sub-montane forest	Tanzania	5°19'S	37°37'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	67.9	Lowland forest	Tanzania	5°25'S	37°25'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	74.1	Montane forest	Tanzania	5°26'S	37°22'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	98.4	dry submontane forest	Tanzania	8°32'S	38°48'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	126.4	Lowland forest	Tanzania	5°42'S	37°28'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	145.7	Dry montane& sub-montane forest	Tanzania	5°27'S	37°32'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	149.4	Lowland forest	Tanzania	5°48'S	37°03'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	174.4	Submontane forest	Tanzania	5°22'S	37°37'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	178.7	Sub-montane forest	Tanzania	8°54'S	36°37'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	405.2	Submontane and montane forest	Tanzania	5°39'S	37°44'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	421.1	Sub-montane forest	Tanzania	5°38'S	37°30'E	707	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	190.5	Amani.	Tanzania	5°05'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	455.6	Amani.	Tanzania	5°05'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	847.7	Amani.	Tanzania	5°05'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	253.8	Amani.	Tanzania	5°05'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	212.1	Amani.	Tanzania	5°05'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	567.5	Amani.	Tanzania	5°06'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	359.6	Amani.	Tanzania	5°06'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	239.1	Amani.	Tanzania	5°10'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	128.0	Amani.	Tanzania	5°10'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest



Unpublished data	1107.9	Amani.	Tanzania	5°06'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	527.5	Amani.	Tanzania	5°06'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	614.0	Amani.	Tanzania	5°06'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	152.6	Amani.	Tanzania	5°06'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	410.5	Amani.	Tanzania	5°06'S	38°34'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	207.6	Amani.	Tanzania	5°06'S	38°34'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	780.0	Amani.	Tanzania	5°07'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	237.9	Amani.	Tanzania	5°07'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	201.0	Amani.	Tanzania	5°07'S	38°34'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	352.2	Amani.	Tanzania	5°07'S	38°34'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	416.2	Amani.	Tanzania	5°07'S	38°34'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	296.4	Amani.	Tanzania	5°08'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	710.0	Amani.	Tanzania	5°07'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	117.8	Amani.	Tanzania	5°07'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	343.3	Amani.	Tanzania	5°07'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	560.1	Amani.	Tanzania	5°08'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	252.8	Amani.	Tanzania	5°08'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	433.9	Amani.	Tanzania	5°08'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	235.3	Amani.	Tanzania	5°08'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	379.0	Amani.	Tanzania	5°09'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	435.3	Amani.	Tanzania	5°09'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	203.7	Amani.	Tanzania	5°09'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	296.9	Amani.	Tanzania	5°09'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished	228.6	Amani.	Tanzania	5°09'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest

<b>data</b>									
<b>Unpublished data</b>	609.9	Amani.	Tanzania	5°09'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	153.8	Amani.	Tanzania	5°09'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	415.2	Amani.	Tanzania	5°09'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	278.4	Amani.	Tanzania	5°09'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	529.9	Amani.	Tanzania	5°09'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	424.4	Amani.	Tanzania	5°09'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	102.6	Amani.	Tanzania	5°09'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	253.8	Amani.	Tanzania	5°09'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	290.8	Amani.	Tanzania	5°09'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	180.9	Amani.	Tanzania	5°09'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	469.0	Amani.	Tanzania	5°10'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	392.0	Amani.	Tanzania	5°10'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	518.7	Amani.	Tanzania	5°10'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	229.9	Amani.	Tanzania	5°10'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	726.3	Amani.	Tanzania	5°10'S	38°36'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	237.3	Amani.	Tanzania	5°10'S	38°35'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	361.3	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	337.6	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	569.0	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	145.2	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	304.5	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	43.4	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	338.4	Kanga. Submontane forest	Tanzania	5°57'S	37°42'E	500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest

Unpublished data	324.7	Kanga. Submontane forest	Tanzania	5°57'S	37°42'E	500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	45.4	Kanga. Submontane forest	Tanzania	5°57'S	37°42'E	500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	205.2	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	682.1	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	92.9	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	205.5	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	318.0	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	500.0	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	180.8	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	359.3	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	239.7	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	208.7	Kanga. Submontane forest	Tanzania	5°55'S	37°42'E	500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	201.4	Kanga. Submontane forest	Tanzania	5°55'S	37°42'E	500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	139.2	Kanga. Submontane forest	Tanzania	5°55'S	37°42'E	500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	286.9	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	63.5	Kwamgumi.	Tanzania	4°55'S	38°45'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	489.2	Nilo.	Tanzania	4°54'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	314.8	Nilo.	Tanzania	4°54'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	500.5	Nilo.	Tanzania	4°54'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	203.2	Nilo.	Tanzania	4°54'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	379.3	Nilo.	Tanzania	4°54'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	326.1	Nilo.	Tanzania	4°54'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	53.0	Nilo.	Tanzania	4°54'S	38°41'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished	291.8	Nilo.	Tanzania	4°54'S	38°41'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest

<b>data</b>									
<b>Unpublished data</b>	371.7	Nilo.	Tanzania	4°53'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	384.6	Nilo.	Tanzania	4°53'S	38°41'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	136.4	Nilo.	Tanzania	4°53'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	50.7	Nilo.	Tanzania	4°53'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	307.7	Nilo.	Tanzania	4°53'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	16.7	Nilo.	Tanzania	4°53'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	73.4	Nilo.	Tanzania	4°55'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	350.8	Nilo.	Tanzania	4°55'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	662.6	Nilo.	Tanzania	4°55'S	38°41'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	385.9	Nilo.	Tanzania	4°53'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	62.9	Nilo.	Tanzania	4°53'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	244.2	Nilo.	Tanzania	4°55'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	395.0	Nilo.	Tanzania	4°55'S	38°40'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	82.7	Nilo.	Tanzania	4°53'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	367.8	Nilo.	Tanzania	4°53'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	934.1	Nilo.	Tanzania	4°53'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	186.0	Nilo.	Tanzania	4°56'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	69.7	Nilo.	Tanzania	4°58'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	171.6	Nilo.	Tanzania	4°51'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	86.5	Nilo.	Tanzania	4°52'S	38°37'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	209.2	Nilo.	Tanzania	4°52'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	60.8	Nilo.	Tanzania	4°52'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
<b>Unpublished data</b>	620.2	Nilo.	Tanzania	4°52'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest

Unpublished data	591.3	Nilo.	Tanzania	4°52'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	162.2	Nilo.	Tanzania	4°51'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	220.9	Nilo.	Tanzania	4°51'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	76.7	Nilo.	Tanzania	4°51'S	38°39'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	89.2	Nilo.	Tanzania	4°57'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	311.5	Nilo.	Tanzania	4°57'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	307.0	Nilo.	Tanzania	4°58'S	38°38'E	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	203.3	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	449.5	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	169.3	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	268.1	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	294.3	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	107.2	Sanje.	Tanzania	7°45'S	36°53'E	2500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	328.2	Sanje.	Tanzania	7°45'S	36°53'E	2500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	49.1	Sanje.	Tanzania	7°45'S	36°53'E	2500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	81.2	Sanje.	Tanzania	7°45'S	36°53'E	2500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	28.5	Sanje.	Tanzania	7°45'S	36°52'E	2500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	85.7	Sanje.	Tanzania	7°45'S	36°52'E	2500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	130.9	Sanje.	Tanzania	7°45'S	36°52'E	2500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	45.6	Sanje.	Tanzania	7°45'S	36°52'E	2500	1	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
Unpublished data	163.1	Montane forest	Tanzania	7°00'S	37°36'E	707	1	Forest	1908 5, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	421.2	Sub-montane forest	Tanzania	6°51'S	37°37'E	707	1	Forest	1908 5, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	142.2	Montane forest	Tanzania	7°01'S	37°37'E	707	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished	186.2	Ulguru South. Upper montane forest	Tanzania	7°07'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest

<b>data</b>									
<b>Unpublished data</b>	188.6	Ulguru South. Upper montane forest	Tanzania	7°07'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	326.2	Ulguru South. Upper montane forest	Tanzania	7°07'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	119.5	Ulguru South. Upper montane forest	Tanzania	7°07'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	122.8	Ulguru South. Upper montane forest	Tanzania	7°07'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	103.4	Ulguru South. Upper montane forest	Tanzania	7°07'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	277.7	Ulguru South. Montane forest	Tanzania	7°06'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	278.1	Ulguru South. Montane forest	Tanzania	7°06'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	114.4	Ulguru South. Montane forest	Tanzania	7°06'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	413.0	Ulguru South. Montane forest	Tanzania	7°06'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	353.9	Ulguru South. Montane forest	Tanzania	7°06'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	579.9	Ulguru South. Montane forest	Tanzania	7°06'S	37°36'E	400	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	59.4	Mamiva Kisara. Montane forest	Tanzania	6°24'S	36°58'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	73.7	Mamiva Kisara. Montane forest	Tanzania	6°24'S	36°31'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	25.0	Mamiva Kisara. Montane forest	Tanzania	6°24'S	36°58'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	72.9	Mamiva Kisara. Montane forest	Tanzania	6°24'S	36°58'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	49.7	Mamiva Kisara. Montane forest	Tanzania	6°25'S	36°58'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	33.4	Mamiva Kisara. Montane forest	Tanzania	6°25'S	36°58'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	30.9	Mamiva Kisara. Montane forest	Tanzania	6°24'S	36°58'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	59.7	Mamiva Kisara. Montane forest	Tanzania	6°24'S	36°57'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	35.3	Mamiva Kisara. Montane forest	Tanzania	6°25'S	36°57'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	44.1	Mamiva Kisara. Montane forest	Tanzania	6°24'S	36°57'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	180.5	Ndundulu. Montane forest	Tanzania	7°46'S	36°28'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	69.0	Ndundulu. Montane forest	Tanzania	7°46'S	36°29'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest

Unpublished data	172.7	Ndundulu. Montane forest	Tanzania	7°46'S	36°29'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	37.1	Ndundulu. Montane forest	Tanzania	7°46'S	36°30'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	77.0	Ndundulu. Montane forest	Tanzania	7°46'S	36°30'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	124.7	Ndundulu. Montane forest	Tanzania	7°46'S	36°31'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	270.6	Ndundulu. Montane forest	Tanzania	7°46'S	36°31'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	124.6	Ndundulu. Montane forest	Tanzania	7°48'S	36°28'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	159.8	Ndundulu. Montane forest	Tanzania	7°48'S	36°29'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	250.6	Ndundulu. Montane forest	Tanzania	7°48'S	36°29'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	414.6	Ndundulu. Montane forest	Tanzania	7°48'S	36°30'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	230.0	Ndundulu. Montane forest	Tanzania	7°48'S	36°30'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	146.6	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	150.7	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	64.1	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	90.8	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	25.5	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	62.3	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	66.7	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	50.8	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	24.4	Nguru South. Montane forest	Tanzania	6°07'S	37°29'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	154.0	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	63.4	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	50.0	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	51.4	Nguru South. Montane forest	Tanzania	6°07'S	37°29'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished	104.8	Nguru South. Montane forest	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest

data									
Unpublished data	235.4	Nguru South. Montane forest	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	24.9	Nguru South. Montane forest	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	146.2	Nguru South. Montane forest	Tanzania	6°07'S	37°31'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	160.7	Nguru South. Montane forest	Tanzania	6°07'S	37°31'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	315.9	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	55.4	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	161.6	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	160.0	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	99.1	Nguru South. Montane forest	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	31.1	Nguru South. Montane forest	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	154.4	Nguru South. Montane forest	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	102.0	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	181.0	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	215.9	Nguru South. Montane forest	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	574.6	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	51.0	Ukwiva. Montane forest	Tanzania	7°06'S	36°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	118.0	Ukwiva. Montane forest	Tanzania	7°07'S	36°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	98.9	Ukwiva. Montane forest	Tanzania	7°06'S	36°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	56.1	Ukwiva. Montane forest	Tanzania	7°07'S	36°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	122.3	Ukwiva. Montane forest	Tanzania	7°08'S	36°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	61.5	Ukwiva. Montane forest	Tanzania	7°07'S	36°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	50.6	Ukwiva. Montane forest	Tanzania	7°06'S	36°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	112.0	Ukwiva. Montane forest	Tanzania	7°06'S	36°37'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest



Unpublished data	632.2	Ukwiva. Montane forest	Tanzania	7°06'S	36°30'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	54.8	Ukwiva. Montane forest	Tanzania	7°06'S	36°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	8.6	Ukwiva. Montane forest	Tanzania	7°07'S	36°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	90.0	Ukwiva. Montane forest	Tanzania	7°06'S	36°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	74.9	Ukwiva. Montane forest	Tanzania	7°06'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	92.4	Ukwiva. Montane forest	Tanzania	7°06'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	221.8	Ukwiva. Montane forest	Tanzania	7°06'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	167.7	Ukwiva. Montane forest	Tanzania	7°06'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	92.7	Ukwiva. Montane forest	Tanzania	7°06'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	230.8	Ukwiva. Montane forest	Tanzania	7°06'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	160.9	Ukwiva. Montane forest	Tanzania	7°06'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	76.6	Ukwiva. Montane forest	Tanzania	7°06'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	109.5	Ukwiva. Montane forest	Tanzania	7°06'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	131.2	Ukwiva. Montane forest	Tanzania	7°06'S	36°39'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	66.4	Ukwiva. Montane forest	Tanzania	7°06'S	36°39'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	72.2	Ukwiva. Montane forest	Tanzania	7°06'S	36°39'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	14.9	Ukwiva. Montane forest	Tanzania	7°07'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	34.1	Ukwiva. Montane forest	Tanzania	7°07'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	84.1	Ukwiva. Montane forest	Tanzania	7°08'S	36°41'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	3.7	Ukwiva. Montane forest	Tanzania	7°07'S	36°41'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	87.4	Ukwiva. Montane forest	Tanzania	7°08'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	151.5	Ukwiva. Montane forest	Tanzania	7°08'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	159.8	Ukwiva. Montane forest	Tanzania	7°07'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished	38.6	Ukwiva. Montane forest	Tanzania	7°08'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest

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Unpublished data	10.1	Ukwiva. Montane forest	Tanzania	7°06'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	344.1	Ukwiva. Montane forest	Tanzania	7°08'S	36°41'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	83.6	Ukwiva. Montane forest	Tanzania	7°08'S	36°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	34.4	Ukwiva. Montane forest	Tanzania	7°08'S	36°41'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	692.7	Uluguru North.	Tanzania	6°53'S	37°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	578.1	Uluguru North.	Tanzania	6°54'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	199.8	Uluguru North.	Tanzania	6°55'S	37°41'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	162.6	Uluguru North.	Tanzania	6°53'S	37°41'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	152.2	Uluguru North.	Tanzania	6°56'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	178.3	Uluguru North.	Tanzania	6°56'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	524.7	Uluguru North.	Tanzania	6°55'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	201.0	Uluguru North.	Tanzania	6°55'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	348.0	Uluguru North.	Tanzania	6°56'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	336.9	Uluguru North.	Tanzania	6°56'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	93.3	Uluguru North.	Tanzania	6°56'S	37°43'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	170.7	Uluguru North.	Tanzania	6°52'S	37°44'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	456.7	Uluguru North.	Tanzania	6°52'S	37°43'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	216.6	Uluguru North.	Tanzania	6°52'S	37°43'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	473.0	Uluguru North.	Tanzania	6°51'S	37°43'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	232.4	Uluguru North.	Tanzania	6°51'S	37°43'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	289.1	Uluguru North.	Tanzania	6°52'S	37°43'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	583.7	Uluguru North.	Tanzania	6°52'S	37°43'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	1033.9	Uluguru North.	Tanzania	6°54'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest

Unpublished data	495.9	Uluguru North.	Tanzania	6°53'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	440.7	Uluguru North.	Tanzania	6°49'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	32.6	Uluguru North.	Tanzania	6°50'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	85.6	Uluguru North.	Tanzania	6°59'S	37°37'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	305.0	Uluguru North.	Tanzania	6°53'S	37°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	111.6	Uluguru North.	Tanzania	6°53'S	37°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	810.1	Uluguru North.	Tanzania	6°53'S	37°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	536.5	Uluguru North.	Tanzania	6°53'S	37°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	116.1	Uluguru North.	Tanzania	6°53'S	37°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	230.8	Uluguru North.	Tanzania	6°53'S	37°40'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	241.1	Uluguru North.	Tanzania	6°56'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	110.9	Uluguru North.	Tanzania	7°00'S	37°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	94.4	Uluguru North.	Tanzania	7°00'S	37°38'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	773.6	Uluguru North.	Tanzania	6°53'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	482.6	Uluguru North.	Tanzania	6°54'S	37°47'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	343.4	Uluguru North.	Tanzania	6°54'S	37°42'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	487.7	Uluguru North.	Tanzania	6°53'S	37°39'E	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	373.7	Village Government Forest. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	284.7	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	150.0	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	186.5	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	500.4	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	168.3	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished	329.5	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest

<b>data</b>									
<b>Unpublished data</b>	437.7	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	160.1	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	3896.4	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	2259.4	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	3009.5	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	3842.1	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	216.1	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	234.7	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	126.1	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	354.6	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	120.2	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	58.4	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	116.1	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	24.2	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	154.0	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	122.6	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	96.9	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	113.8	Mazumbai.	Tanzania	n/a	n/a	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	18.7	Luisenga.	Tanzania	8°36'S	35°18'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	98.2	Luisenga.	Tanzania	8°36'S	35°18'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	109.8	Luisenga.	Tanzania	8°36'S	35°18'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	70.8	Sanje.	Tanzania	7°44'S	36°52'E	2500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	69.5	Sanje.	Tanzania	7°44'S	36°52'E	2500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest

Unpublished data	39.4	Sanje.	Tanzania	7°44'S	36°52'E	2500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	174.3	Sanje.	Tanzania	7°44'S	36°52'E	2500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	157.2	Sanje.	Tanzania	7°44'S	36°52'E	2500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	125.4	Sanje.	Tanzania	7°44'S	36°52'E	2500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	86.1	Sanje.	Tanzania	7°44'S	36°52'E	2500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	99.6	Sanje.	Tanzania	7°44'S	36°52'E	2500	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	189.0	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	208.3	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	330.2	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	325.0	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	211.1	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	406.5	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	100.4	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	211.5	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	84.1	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	848.7	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	192.8	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	162.9	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	218.1	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	80.8	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	322.9	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	156.9	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished data	350.6	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
Unpublished	381.8	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest

<b>data</b>									
<b>Unpublished data</b>	140.5	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	158.9	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	252.7	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	152.4	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	157.5	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	122.2	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	486.1	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	37.2	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	103.0	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	216.3	Uluguru North.	Tanzania	6°51'S	37°42'E	625	1	Forest	1908 6, 1949 1 , 2000 22, 1923 tmrf, Forest
<b>Unpublished data</b>	23.5	Mamiva Kisara. Montane forest	Tanzania	6°24'S	36°58'E	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	65.6	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	72.2	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	370.4	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	20.8	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	89.0	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	77.2	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	120.5	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	55.2	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	57.1	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	67.6	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	59.1	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
<b>Unpublished data</b>	155.4	Nguru South.	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest

Unpublished data	161.4	Nguru South.	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	208.4	Nguru South.	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	124.1	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	83.3	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	29.4	Nguru South. Montane forest	Tanzania	6°06'S	37°30'E	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	15.9	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	115.7	Nguru South. Montane forest	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	190.4	Nguru South. Montane forest	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	62.6	Nguru South. Montane forest	Tanzania	n/a	n/a	500	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	69.5	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	89.5	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	16.6	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	17.8	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	56.4	Nguru South. Montane forest	Tanzania	6°07'S	37°32'E	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	82.7	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	191.1	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	65.3	Nguru South. Montane forest	Tanzania	6°06'S	37°31'E	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	52.5	Nguru South. Montane forest	Tanzania	6°06'S	37°31'E	1000	1	Forest	1908 6, 1949 1 , 2000 23, 1923 tmrf, Forest
Unpublished data	201.9	Kindoroko. montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	153.2	Kindoroko. Partly regenerating upper montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	217.1	Kindoroko. Slightly disturbed montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	458.6	Ndudulu. Upper montane forest	Tanzania	7°45'S	36°29'E	400	1	Forest	1949 1
Unpublished data	435.6	Ndudulu. Upper montane forest	Tanzania	7°45'S	36°29'E	400	1	Forest	1949 1
Unpublished data	82.2	Ndudulu. Upper montane forest	Tanzania	7°45'S	36°29'E	400	1	Forest	1949 1

data									
Unpublished data	53.2	Ndundulu. Upper montane forest	Tanzania	7°45'S	36°29'E	400	1	Forest	1949 1
Unpublished data	45.8	Ndundulu. Upper montane forest	Tanzania	7°45'S	36°29'E	400	1	Forest	1949 1
Unpublished data	55.6	Ndundulu. Upper montane forest	Tanzania	7°45'S	36°29'E	400	1	Forest	1949 1
Unpublished data	215.6	Ndundulu. Montane forest	Tanzania	n/a	n/a	400	1	Forest	1949 1
Unpublished data	330.6	Ndundulu. Montane forest	Tanzania	n/a	n/a	400	1	Forest	1949 1
Unpublished data	158.7	Ndundulu. Montane forest	Tanzania	n/a	n/a	400	1	Forest	1949 1
Unpublished data	553.8	Ndundulu. Montane forest	Tanzania	n/a	n/a	400	1	Forest	1949 1
Unpublished data	229.8	Ndundulu. Montane forest	Tanzania	n/a	n/a	400	1	Forest	1949 1
Unpublished data	241.8	Ndundulu. Montane forest	Tanzania	n/a	n/a	400	1	Forest	1949 1
Unpublished data	295.9	Nguru North. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	182.1	Nguru North. Moist submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	200.4	Nguru North. Moist submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	149.4	Amani.	Tanzania	5°05'S	38°38'E	1000	1	Forest	1949 1
Unpublished data	99.6	Amani.	Tanzania	5°05'S	38°35'E	1000	1	Forest	1949 1
Unpublished data	406.2	Amani.	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	195.9	Amani.	Tanzania	5°07'S	38°38'E	1000	1	Forest	1949 1
Unpublished data	290.2	Amani.	Tanzania	5°07'S	38°38'E	1000	1	Forest	1949 1
Unpublished data	427.7	Amani.	Tanzania	5°07'S	38°38'E	1000	1	Forest	1949 1
Unpublished data	386.1	Amani.	Tanzania	5°07'S	38°39'E	1000	1	Forest	1949 1
Unpublished data	119.9	Amani.	Tanzania	5°07'S	38°39'E	1000	1	Forest	1949 1
Unpublished data	219.0	Amani.	Tanzania	5°07'S	38°39'E	1000	1	Forest	1949 1
Unpublished data	286.9	Amani.	Tanzania	5°08'S	38°38'E	1000	1	Forest	1949 1
Unpublished data	432.8	Amani.	Tanzania	5°08'S	38°38'E	1000	1	Forest	1949 1



Unpublished data	244.7	Amani.	Tanzania	5°08'S	38°39'E	1000	1	Forest	1949 1
Unpublished data	167.4	Amani.	Tanzania	5°08'S	38°37'E	1000	1	Forest	1949 1
Unpublished data	231.2	Amani.	Tanzania	5°08'S	38°38'E	1000	1	Forest	1949 1
Unpublished data	151.1	Amani.	Tanzania	5°10'S	38°35'E	1000	1	Forest	1949 1
Unpublished data	57.0	Bamba Ridge.	Tanzania	4°57'S	38°46'E	1000	1	Forest	1949 1
Unpublished data	144.3	Bamba Ridge.	Tanzania	4°57'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	126.2	Bamba Ridge.	Tanzania	4°57'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	50.2	Bamba Ridge.	Tanzania	4°56'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	70.3	Bamba Ridge.	Tanzania	4°57'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	143.6	Bamba Ridge.	Tanzania	4°57'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	172.8	Bamba Ridge.	Tanzania	4°58'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	77.0	Bamba Ridge.	Tanzania	4°58'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	499.1	Bamba Ridge.	Tanzania	4°59'S	38°46'E	1000	1	Forest	1949 1
Unpublished data	79.8	Bamba Ridge.	Tanzania	4°59'S	38°46'E	1000	1	Forest	1949 1
Unpublished data	321.3	Bamba Ridge.	Tanzania	4°57'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	63.8	Bamba Ridge.	Tanzania	4°57'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	189.4	Bamba Ridge.	Tanzania	4°57'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	248.1	Bamba Ridge.	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	202.3	Bamba Ridge.	Tanzania	4°56'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	134.6	Bamba Ridge.	Tanzania	4°56'S	38°46'E	1000	1	Forest	1949 1
Unpublished data	48.0	Bamba Ridge.	Tanzania	4°56'S	38°46'E	1000	1	Forest	1949 1
Unpublished data	49.1	Bamba Ridge.	Tanzania	4°58'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	1496.5	Bamba Ridge.	Tanzania	4°55'S	38°46'E	1000	1	Forest	1949 1
Unpublished	169.0	Kambai.	Tanzania	4°58'S	38°40'E	1000	1	Forest	1949 1

data									
Unpublished data	361.3	Kambai.	Tanzania	4°58'S	38°40'E	1000	1	Forest	1949 1
Unpublished data	281.0	Kambai.	Tanzania	4°58'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	343.8	Kambai.	Tanzania	4°58'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	132.5	Kambai.	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	243.3	Kambai.	Tanzania	4°58'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	255.1	Kambai.	Tanzania	5°00'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	193.8	Kambai.	Tanzania	5°00'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	87.0	Kambai.	Tanzania	5°00'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	262.8	Kambai.	Tanzania	5°00'S	38°40'E	1000	1	Forest	1949 1
Unpublished data	68.4	Kambai.	Tanzania	5°00'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	137.9	Kambai.	Tanzania	5°00'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	697.3	Kambai.	Tanzania	4°59'S	38°40'E	1000	1	Forest	1949 1
Unpublished data	382.7	Kambai.	Tanzania	4°59'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	28.1	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	79.0	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	140.0	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	365.6	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	90.3	Kanga. Forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	187.5	Kanga. Forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	101.5	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	202.9	Kanga. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	458.7	Longuza.	Tanzania	5°02'S	38°42'E	1000	1	Forest	1949 1
Unpublished data	55.1	Longuza.	Tanzania	5°02'S	38°42'E	1000	1	Forest	1949 1

Unpublished data	118.0	Longuza.	Tanzania	5°02'S	38°42'E	1000	1	Forest	1949 1
Unpublished data	276.2	Longuza.	Tanzania	5°02'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	139.3	Longuza.	Tanzania	5°02'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	136.1	Longuza.	Tanzania	5°02'S	38°41'E	1000	1	Forest	1949 1
Unpublished data	23.1	Mamiva Kisara. Montane forest	Tanzania	6°24'S	36°57'E	1000	1	Forest	1949 1
Unpublished data	41.3	Mamiva Kisara. Montane forest	Tanzania	6°26'S	36°58'E	1000	1	Forest	1949 1
Unpublished data	47.4	Mamiva Kisara. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	56.8	Mamiva Kisara. Montane forest	Tanzania	6°26'S	36°58'E	1000	1	Forest	1949 1
Unpublished data	13.1	Mamiva Kisara. Montane forest	Tanzania	6°26'S	36°58'E	1000	1	Forest	1949 1
Unpublished data	69.5	Mamiva Kisara. Montane forest	Tanzania	6°26'S	36°48'E	1000	1	Forest	1949 1
Unpublished data	40.1	Mamiva Kisara. Montane forest	Tanzania	6°26'S	36°58'E	1000	1	Forest	1949 1
Unpublished data	248.1	Mamiva Kisara. Montane forest	Tanzania	6°26'S	36°58'E	1000	1	Forest	1949 1
Unpublished data	104.1	Mamiva Kisara. Montane forest	Tanzania	6°25'S	36°58'E	1000	1	Forest	1949 1
Unpublished data	55.3	Mamiva Kisara. Montane forest	Tanzania	6°29'S	36°57'E	1000	1	Forest	1949 1
Unpublished data	65.4	Mamiva Kisara. Montane forest	Tanzania	6°29'S	36°57'E	1000	1	Forest	1949 1
Unpublished data	100.4	Mamiva Kisara. Montane forest	Tanzania	6°29'S	36°57'E	1000	1	Forest	1949 1
Unpublished data	21.4	Mamiva Kisara. Montane forest	Tanzania	6°29'S	36°57'E	1000	1	Forest	1949 1
Unpublished data	36.2	Mamiva Kisara. Montane forest	Tanzania	6°30'S	36°57'E	1000	1	Forest	1949 1
Unpublished data	107.6	Mamiva Kisara. Montane forest	Tanzania	6°30'S	36°57'E	1000	1	Forest	1949 1
Unpublished data	16.2	Mamiva Kisara. Montane forest	Tanzania	6°29'S	36°57'E	1000	1	Forest	1949 1
Unpublished data	209.3	Mamiva Kisara. Montane forest	Tanzania	6°29'S	36°56'E	1000	1	Forest	1949 1
Unpublished data	16.5	Mamiva Kisara. Montane forest	Tanzania	6°29'S	36°57'E	1000	1	Forest	1949 1
Unpublished data	40.5	Mamiva Kisara. Montane forest	Tanzania	6°30'S	36°57'E	1000	1	Forest	1949 1
Unpublished data	87.3	Mamiva Kisara. Montane forest	Tanzania	6°30'S	36°56'E	1000	1	Forest	1949 1

<b>data</b>									
<b>Unpublished data</b>	45.1	Mamiva Kisara. Montane forest	Tanzania	6°29'S	36°56'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	59.5	Marimba.	Tanzania	5°02'S	38°42'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	76.1	Marimba.	Tanzania	5°02'S	38°42'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	105.7	Marimba.	Tanzania	5°02'S	38°42'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	91.5	Marimba.	Tanzania	5°01'S	38°42'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	206.1	Marimba.	Tanzania	5°01'S	38°42'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	112.0	Marimba.	Tanzania	5°01'S	38°42'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	141.1	Marimba.	Tanzania	5°01'S	38°42'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	163.6	Marimba.	Tanzania	5°00'S	38°42'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	95.6	Marimba.	Tanzania	5°02'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	273.4	Marimba.	Tanzania	5°02'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	182.9	Marimba.	Tanzania	5°02'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	141.1	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	135.3	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	137.3	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	173.8	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	204.1	Marimba.	Tanzania	5°00'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	197.2	Marimba.	Tanzania	5°02'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	259.9	Marimba.	Tanzania	5°02'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	248.5	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	287.2	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	220.4	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	288.7	Marimba.	Tanzania	5°00'S	38°43'E	1000	1	Forest	1949 1

Unpublished data	399.2	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
Unpublished data	264.1	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
Unpublished data	83.0	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
Unpublished data	186.4	Marimba.	Tanzania	5°00'S	38°43'E	1000	1	Forest	1949 1
Unpublished data	55.0	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
Unpublished data	93.3	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
Unpublished data	100.9	Marimba.	Tanzania	5°01'S	38°43'E	1000	1	Forest	1949 1
Unpublished data	138.8	Marimba.	Tanzania	5°00'S	38°43'E	1000	1	Forest	1949 1
Unpublished data	30.7	Marimba.	Tanzania	5°00'S	38°43'E	1000	1	Forest	1949 1
Unpublished data	266.9	Marimba.	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	116.3	Mlungui.	Tanzania	4°56'S	38°48'E	1000	1	Forest	1949 1
Unpublished data	105.3	Mlungui.	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	79.3	Mlungui.	Tanzania	4°57'S	38°48'E	1000	1	Forest	1949 1
Unpublished data	234.4	Mtai.	Tanzania	4°52'S	38°45'E	1000	1	Forest	1949 1
Unpublished data	68.7	Mtai.	Tanzania	4°50'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	299.6	Mtai.	Tanzania	4°49'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	439.8	Mtai.	Tanzania	4°50'S	38°46'E	1000	1	Forest	1949 1
Unpublished data	124.1	Mtai.	Tanzania	4°51'S	38°47'E	1000	1	Forest	1949 1
Unpublished data	36.3	Mtai.	Tanzania	4°51'S	38°46'E	1000	1	Forest	1949 1
Unpublished data	49.3	Mtai.	Tanzania	4°51'S	38°46'E	1000	1	Forest	1949 1
Unpublished data	319.7	Mtai.	Tanzania	4°51'S	38°46'E	1000	1	Forest	1949 1
Unpublished data	272.5	Mtai.	Tanzania	4°48'S	38°45'E	1000	1	Forest	1949 1
Unpublished data	300.0	Mtai.	Tanzania	4°51'S	38°46'E	1000	1	Forest	1949 1
Unpublished	176.7	New Dabaga-Ulangambi. Montane forest	Tanzania	8°03'S	35°55'E	1000	1	Forest	1949 1

<b>data</b>									
<b>Unpublished data</b>	112.7	New Dabaga-Ulangambi. Montane forest	Tanzania	8°03'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	132.7	New Dabaga-Ulangambi. Montane forest	Tanzania	8°03'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	296.3	New Dabaga-Ulangambi. Montane forest	Tanzania	8°03'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	96.2	New Dabaga-Ulangambi. Montane forest	Tanzania	8°03'S	35°56'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	35.2	New Dabaga-Ulangambi. Montane forest	Tanzania	8°04'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	201.3	New Dabaga-Ulangambi. Montane forest	Tanzania	8°02'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	11.8	New Dabaga-Ulangambi. Montane forest	Tanzania	8°02'S	35°56'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	11.5	New Dabaga-Ulangambi. Montane forest	Tanzania	8°04'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	149.9	New Dabaga-Ulangambi. Montane forest	Tanzania	8°04'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	38.2	New Dabaga-Ulangambi. Montane forest	Tanzania	8°01'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	49.3	New Dabaga-Ulangambi. Montane forest	Tanzania	8°01'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	11.8	New Dabaga-Ulangambi. Montane forest	Tanzania	8°01'S	35°56'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	81.3	New Dabaga-Ulangambi. Montane forest	Tanzania	8°01'S	35°56'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	30.7	New Dabaga-Ulangambi. Montane forest	Tanzania	8°01'S	35°57'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	195.0	New Dabaga-Ulangambi. Montane forest	Tanzania	8°00'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	156.7	New Dabaga-Ulangambi. Montane forest	Tanzania	8°00'S	35°56'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	158.1	New Dabaga-Ulangambi. Montane forest	Tanzania	8°00'S	35°56'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	110.5	New Dabaga-Ulangambi. Montane forest	Tanzania	8°06'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	133.5	New Dabaga-Ulangambi. Montane forest	Tanzania	8°06'S	35°55'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	58.7	New Dabaga-Ulangambi. Montane forest	Tanzania	8°06'S	35°56'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	110.4	Ndundulu. Montane forest	Tanzania	7°44'S	36°26'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	378.0	Ndundulu. Montane forest & bamboo	Tanzania	7°44'S	36°27'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	125.5	Ndundulu. Montane forest	Tanzania	7°44'S	36°28'E	1000	1	Forest	1949 1

Unpublished data	211.8	Ndundulu. Montane forest	Tanzania	7°44'S	36°28'E	1000	1	Forest	1949 1
Unpublished data	68.8	Ndundulu. Montane forest	Tanzania	7°44'S	36°29'E	1000	1	Forest	1949 1
Unpublished data	107.2	Ndundulu. Montane forest	Tanzania	7°44'S	36°29'E	1000	1	Forest	1949 1
Unpublished data	54.8	Ndundulu. Montane forest	Tanzania	7°44'S	36°30'E	1000	1	Forest	1949 1
Unpublished data	54.3	Ndundulu. Montane forest	Tanzania	7°44'S	36°30'E	1000	1	Forest	1949 1
Unpublished data	206.3	Ndundulu.	Tanzania	7°44'S	36°31'E	1000	1	Forest	1949 1
Unpublished data	145.4	Ndundulu. Montane forest	Tanzania	7°44'S	36°31'E	1000	1	Forest	1949 1
Unpublished data	75.0	Ndundulu. Montane forest	Tanzania	7°44'S	36°32'E	1000	1	Forest	1949 1
Unpublished data	120.4	Ndundulu. Montane forest	Tanzania	7°46'S	36°28'E	1000	1	Forest	1949 1
Unpublished data	213.6	Ndundulu. Montane forest	Tanzania	7°48'S	36°30'E	1000	1	Forest	1949 1
Unpublished data	227.9	Ndundulu. Montane forest	Tanzania	7°48'S	36°31'E	1000	1	Forest	1949 1
Unpublished data	115.3	Ndundulu. Riverine forest	Tanzania	7°49'S	36°28'E	1000	1	Forest	1949 1
Unpublished data	349.4	Ndundulu. Montane forest	Tanzania	7°49'S	36°28'E	1000	1	Forest	1949 1
Unpublished data	194.2	Ndundulu. Montane forest	Tanzania	7°49'S	36°29'E	1000	1	Forest	1949 1
Unpublished data	149.3	Ndundulu. Montane forest	Tanzania	7°49'S	36°29'E	1000	1	Forest	1949 1
Unpublished data	151.3	Ndundulu. Montane forest	Tanzania	7°49'S	36°30'E	1000	1	Forest	1949 1
Unpublished data	63.3	Nguru South. Montane forest	Tanzania	6°06'S	37°29'E	1000	1	Forest	1949 1
Unpublished data	100.1	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	130.9	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	105.0	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	105.0	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	113.4	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	132.7	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	147.5	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1

<b>data</b>									
<b>Unpublished data</b>	83.9	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
<b>Unpublished data</b>	57.6	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
<b>Unpublished data</b>	135.0	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
<b>Unpublished data</b>	78.5	Nguru South. Montane forest	Tanzania	7°00'S	37°30'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	54.5	Nguru South. Montane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
<b>Unpublished data</b>	384.7	Nilu.	Tanzania	4°53'S	38°37'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	226.8	Nyumbanitu. Montane forest	Tanzania	7°49'S	36°25'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	83.3	Nyumbanitu. Montane forest	Tanzania	7°49'S	36°25'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	271.3	Nyumbanitu. Montane forest	Tanzania	7°49'S	36°24'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	139.4	Nyumbanitu. Montane forest	Tanzania	7°49'S	36°24'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	243.8	Nyumbanitu. Montane forest	Tanzania	7°49'S	36°23'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	184.3	Nyumbanitu. Montane forest & Bamboo	Tanzania	7°49'S	36°23'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	54.9	Nyumbanitu. Montane forest	Tanzania	7°50'S	36°23'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	244.4	Nyumbanitu. Montane forest	Tanzania	7°50'S	36°22'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	127.5	Nyumbanitu. Montane forest	Tanzania	7°50'S	36°22'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	97.2	Nyumbanitu. Montane forest	Tanzania	7°50'S	36°21'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	588.9	Nyumbanitu. Montane forest	Tanzania	7°50'S	36°21'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	169.4	Nyumbanitu. Montane forest	Tanzania	7°50'S	36°20'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	165.2	Nyumbanitu. Montane forest	Tanzania	7°52'S	36°22'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	214.6	Nyumbanitu. Montane forest	Tanzania	7°52'S	36°21'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	225.7	Nyumbanitu. Montane forest	Tanzania	7°52'S	36°21'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	241.2	Nyumbanitu. Montane forest	Tanzania	7°52'S	36°20'E	1000	1	Forest	1949 1
<b>Unpublished data</b>	37.4	Pala Ulanga. Lowland Forest	Tanzania	7°11'S	36°48'E	1000	1	Forest	1949 1



Unpublished data	56.7	Riverine forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	262.5	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	246.1	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	249.4	Sali. Submontane forest	Tanzania	n/a	n/a	1000	1	Forest	1949 1
Unpublished data	206.3	Segoma.	Tanzania	4°58'S	38°45'E	1000	1	Forest	1949 1
Unpublished data	155.2	Segoma.	Tanzania	4°58'S	38°46'E	1000	1	Forest	1949 1
Unpublished data	90.3	Segoma.	Tanzania	4°57'S	38°43'E	1000	1	Forest	1949 1
Unpublished data	115.4	Ukami.	Tanzania	7°53'S	36°23'E	1000	1	Forest	1949 1
Unpublished data	89.8	Ukami. Montane forest	Tanzania	7°53'S	36°24'E	1000	1	Forest	1949 1
Unpublished data	136.3	Ukami. Montane forest	Tanzania	7°53'S	36°24'E	1000	1	Forest	1949 1
Unpublished data	32.7	Black wattle plantation	Tanzania	n/a	n/a	1000	1	Forest	1949 1 , 2000 15, Forest
Unpublished data	106.1	Pine plantation	Tanzania	n/a	n/a	1000	1	Forest	1949 1 , 2000 15, Forest
Unpublished data	44.3	Lowland vegetation	Tanzania	5°20'S	38°20'E	707	1	Forest	1949 1 , 2000 20, Forest
Unpublished data	468.0	Sub-montane forest	Tanzania	7°09'S	37°30'E	707	1	Forest	1949 1 , 2000 21, Forest
Unpublished data	296.6	Pine plantation	Tanzania	7°00'S	37°38'E	707	1	Forest	2000 15, Forest
[94]	120.0	Timber agroforestry	Sub-Saharan Africa	n/a	n/a	n/a	n/a	Forest	2000 15, Forest
[99]	41.7	Rubber plantation	Brazil	17°21'S	54°43'W	10000	26	Forest	2000 26, Forest
[99]	76.3	Rubber plantation	western Ghana	4°55'N	2°02'W	10000	70	Forest	2000 26, Forest
[97]	40.0	Submontane forest	Tanzania	5°32'S	38°17'E	99	19	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
[97]	74.2	Submontane forest	Tanzania	5°32'S	38°17'E	99	19	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
[97]	77.4	Submontane forest	Tanzania	5°32'S	38°17'E	99	19	Forest	1908 5, 1949 1 , 2000 21, 1923 tmrf, Forest
[83]	0.8	Grassland	Kenya	1°20'S	36°50'E	1	10	Grassland	1908 11, 1908 12, 1949 5, 1949 5b, 2000 8, 1923 am, 1923 mg, Savanna spectrum
[83]	0.8	Grassland	Kenya	1°20'S	36°50'E	1	10	Grassland	1908 11, 1908 12, 1949 5, 1949 5b, 2000 8, 1923 am, 1923 mg, Savanna spectrum
[83]	1.5	Grassland	Kenya	1°20'S	36°50'E	1	10	Grassland	1908 11, 1908 12, 1949 5, 1949 5b, 2000 8, 1923 am, 1923 mg, Savanna spectrum

[83]	1.7	Grassland	Kenya	1°20'S	36°50'E	1	10	Grassland	1908 11, 1908 12, 1949 5, 1949 5b, 2000 8, 1923 am, 1923 mg, Savanna spectrum
[84]	6.7	Imperata grassland	Papua N G	6°34'S	147°02'E	36	4	Grassland	1908 11, 1908 12, 1949 5, 1949 5b, 2000 8, 1923 am, 1923 mg, Savanna spectrum
[46]	16.4	Old fallow	Senegal	12°49'N	14°53'W	900	51	Grassland	1908 11, 1908 12, 1949 5, 1949 5b, 2000 8, 1923 am, 1923 mg, Savanna spectrum
[42]	2.0	Grassland	South Africa	29°45'S	29°30'E	1	n/a	Grassland	1908 11, 1908 12, 1949 5, 1949 5b, 2000 8, 1923 am, 1923 mg, Savanna spectrum
[85]	53.5	Mangrove forest	Mozambique	26°07'S	32°56'E	n/a	n/a	Mangrove	1908 2, 2000 11, 1923 m, Forest
[86]	40.1	Mangrove	Kenya	4°25'S	39°30'E	n/a	n/a	Mangrove	1908 2, 1949 1, 2000 11, 1923 m, Forest
[86]	249.0	Mangrove	Kenya	4°25'S	39°30'E	n/a	n/a	Mangrove	1908 2, 1949 1, 2000 11, 1923 m, Forest
[63]	47.5	Mangrove	South Africa	29°48'S	31°03'E	25	4	Mangrove	1908 2, 1949 1, 2000 11, 1923 m, Forest
[64]	283.6	Mangrove	0-10°	0-10°	n/a	n/a	n/a	Mangrove	1908 2, 1949 1, 2000 11, 1923 m, Forest
[87]	10.5	Tropical semi-desert	Global	n/a	n/a	n/a	n/a	Other	1908 1, 1908 13, 1949 7, 2000 16, 1923 adgs, Other
[87]	0.1	Tropical desert	Global	n/a	n/a	n/a	n/a	Other	1908 1, 1949 7, 2000 16, 1923 adgs, Other
[87]	1.5	Tropical desert	Global	n/a	n/a	n/a	n/a	Other	1908 1, 1949 7, 2000 16, 1923 adgs, Other
[87]	30.0	Dry savanna and tropical steppe	Global	n/a	n/a	n/a	n/a	Other	1949 4, 2000 13, 1923 hgts, Savanna spectrum
[81]	2.0	Deserts and semi deserts	Global	n/a	n/a	n/a	n/a	Other	1908 1, 1908 13, 1949 7, 2000 16, 1923 adgs, Other
[81]	4.0	Deserts and semi deserts	Global	n/a	n/a	n/a	n/a	Other	1908 1, 1908 13, 1949 7, 2000 16, 1923 adgs, Other
<b>Unpublished data</b>	2.0	Grassland and barren rock	Tanzania	6°25'S	36°58'E	1000	1	Other	1908 1, 1949 4, 1949 7, 1949 CPC, 1949 RPC, 2000 16, 2000 2, 1923 adgs, Other
[66]	31.6	Woodland-wooded grassland intermediate	Ethiopia	8°12'N	34°57'E	n/a	n/a	Savanna	1908 10, 1949 2, 1949 2b, 2000 5, 1923 df, Savanna spectrum
[66]	15.1	Wooded grassland	Ethiopia	7°48'N	34°17'E	n/a	n/a	Savanna	1949 4, 2000 13, 1923 hgts, Savanna spectrum
[66]	26.8	Wooded grassland	Ethiopia	8°17'N	34°28'E	n/a	n/a	Savanna	1949 4, 2000 13, 1923 hgts, Savanna spectrum
[81]	29.0	Tropical savannas and grasslands	Global	n/a	n/a	n/a	n/a	Savanna	1949 4, 2000 13, 1923 hgts, Savanna spectrum
[71]	6.1	Savanna	South Africa	n/a	n/a	n/a	n/a	Savanna	1949 4, 2000 13, 1923 hgts, Savanna spectrum
[71]	6.7	Savanna	South Africa	n/a	n/a	n/a	n/a	Savanna	1949 4, 2000 13, 1923 hgts, Savanna spectrum
[88]	7.7	Savanna, fire every 3 years	South Africa	24°38'S	28°41'E	n/a	n/a	Savanna	1949 4, 2000 13, 1923 hgts, Savanna spectrum
[68]	13.2	Broad-leaved dry savanna	South Africa	24°38'S	28°41'E	n/a	n/a	Savanna	1949 4, 2000 13, 1923 hgts, Savanna spectrum
[74]	6.9	Papyrus swamp	Rwanda	2°17'S	30°00'E	9	6	Wetland	1908 2, 1949 6, 2000 14, Savanna spectrum

[74]	10.3	Papyrus swamp	Uganda	0°10'N	32°15'E	4	3	Wetland	1908 2, 1949 6, 2000 14, Savanna spectrum
[74]	16.2	Papyrus swamp	Kenya	0°45'S	36°20'E	9	6	Wetland	1908 2, 1949 6, 2000 14, Savanna spectrum
[74]	16.4	Papyrus swamp	Kenya	0°45'S	36°20'E	9	5	Wetland	1908 2, 1949 6, 2000 14, Savanna spectrum
[89]	20.0	Wetlands	Global	n/a	n/a	n/a	n/a	Wetland	1908 2, 1949 6, 2000 14, Savanna spectrum
[81]	43.0	Wetlands	Global	n/a	n/a	n/a	n/a	Wetland	1908 2, 1949 6, 2000 14, Savanna spectrum
[75]	11.3	Papyrus swamp	Uganda	0°24'N	33°11'E	9	6	Wetland	1908 2, 1949 6, 2000 14, Savanna spectrum
[79]	67.0	Woodlot and perennial crops	East Africa	n/a	n/a	n/a	n/a	Wood	2000 19
[104]	7.0	Regrowth miombo woodland	Tanzania	6°49'S	37°40'E	n/a	22	Wood	2000 13, 1923 hglts, Savanna spectrum
[91]	74.0	<i>Leucaena</i> spp woodlots	Zambia	n/a	n/a	n/a	n/a	Wood	2000 15, Forest
[66]	49.2	Woodland	Ethiopia	8°10'N	34°35'E	n/a	n/a	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
[95]	5.0	<i>Leucaena pallida</i> intercropped with maize	Tanzania	5°04'S	32°43'E	96	3	Wood	2000 19
[95]	17.5	<i>Acacia crassicaarpa</i> intercropped with maize	Tanzania	5°04'S	32°43'E	96	3	Wood	2000 19
[95]	20.5	<i>Acacia letocarpa</i> intercropped with maize	Tanzania	5°04'S	32°43'E	96	3	Wood	2000 19
[95]	35.5	<i>Acacia polyacantha</i> intercropped with maize	Tanzania	5°04'S	32°43'E	432	4	Wood	2000 19
[95]	44.5	<i>Leucaena leucocephala</i> intercropped with maize	Tanzania	5°04'S	32°43'E	432	4	Wood	2000 19
[93]	9.0	Semi arid agroforestry	Global	n/a	n/a	n/a	n/a	Wood	2000 15, Forest
[105]	12.5	Miombo, 6 years old	Zambia	10°19'S	31°13'E	400	1	Wood	2000 13, 1923 hglts, Savanna spectrum
[105]	20.0	Miombo, 16 years old	Zambia	10°19'S	31°13'E	400	1	Wood	2000 13, 1923 hglts, Savanna spectrum
[105]	54.0	Miombo, 16 years old	Zambia	10°19'S	31°13'E	400	1	Wood	2000 13, 1923 hglts, Savanna spectrum
[78]	9.5	Broad-leaved savanna	South Africa	24°38'S	28°41'E	n/a	n/a	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	112.7	Kanga. Miombo	Tanzania	n/a	n/a	1000	1	Wood	1908 10, 1908 3, 1908 4, 1908 6, 1949 1, 1949 2, 1949 CPC, 1949 RPC, 1949 UC, 2000 5, 1923 atgs, 1923 df, Savanna spectrum
Unpublished data	125.3	Wet woodland	Tanzania	6°59'S	37°46'E	707	1	Wood	1908 10, 1908 3, 1908 4, 1949 1b, 1949 2, 2000 5, 1923 atgs, 1923 df, 1923 trrf, Savanna spectrum
Unpublished data	173.6	Mixed woodland	Tanzania	5°39'S	37°33'E	707	1	Wood	1908 10, 1908 3, 1908 4, 1949 1b, 1949 2, 2000 5, 1923 atgs, 1923 df, 1923 trrf, Savanna spectrum
Unpublished data	217.1	Woodland	Tanzania	6°12'S	37°28'E	707	1	Wood	1908 10, 1908 3, 1908 4, 1949 1b, 1949 2, 2000 5, 1923 atgs, 1923 df, 1923 trrf, Savanna spectrum
Unpublished data	274.6	Woodland	Tanzania	5°33'S	37°45'E	707	1	Wood	1908 10, 1908 3, 1908 4, 1949 1b, 1949 2, 2000 5, 1923 atgs, 1923 df, 1923 trrf, Savanna spectrum

Unpublished data	149.3	Mselezi. Rocky woodland	Tanzania	n/a	n/a	1000	1	Wood	1908 10, 1908 6, 1949 1 , 1949 2, 1949 CPC, 1949 RPC, 1949 UC, 2000 5, 1923 df, Savanna spectrum
Unpublished data	161.6	Mselezi. Rocky dry woodland	Tanzania	n/a	n/a	1000	1	Wood	1908 10, 1908 6, 1949 1 , 1949 2, 1949 CPC, 1949 RPC, 1949 UC, 2000 5, 1923 df, Savanna spectrum
Unpublished data	188.1	Mselezi. Rocky dry evergreen woodland	Tanzania	n/a	n/a	1000	1	Wood	1908 10, 1908 6, 1949 2, 1949 CPC, 1949 RPC, 1949 UC, 2000 5, 1923 df, Savanna spectrum
Unpublished data	15.5	Woodland	Tanzania	8°57'S	39°18'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	20.4	Woodland	Tanzania	8°01'S	38°45'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	21.2	Woodland	Tanzania	n/a	n/a	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	21.7	Woodland	Tanzania	6°53'S	37°55'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	23.5	Woodland	Tanzania	6°42'S	37°52'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	27.0	Lowland forest & miombo woodland	Tanzania	8°13'S	36°22'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	29.8	Miombo	Tanzania	8°17'S	38°54'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	34.7	Miombo woodland	Tanzania	6°39'S	37°57'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	35.4	Miombo	Tanzania	8°17'S	38°54'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	44.1	Woodland	Tanzania	8°47'S	35°46'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	45.2	Mixed woodland	Tanzania	5°47'S	37°28'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	46.4	Woodland	Tanzania	n/a	n/a	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	56.2	Dry woodland	Tanzania	9°31'S	38°43'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	58.3	Woodland	Tanzania	6°41'S	37°35'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	59.2	Woodland	Tanzania	8°44'S	39°00'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	60.1	Woodland	Tanzania	11°33S	37°10'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	64.4	lowland forest & miombo woodland	Tanzania	7°57'S	36°41'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	66.9	Miombo & lowland forest	Tanzania	8°44'S	36°23'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	70.2	Woodland forest	Tanzania	8°29'S	36°49'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished data	73.9	Miombo woodland	Tanzania	8°46'S	36°43'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
Unpublished	75.9	Lowland forest & woodland	Tanzania	8°37'S	36°42'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum

<b>data</b>									
<b>Unpublished data</b>	79.3	Woodland	Tanzania	8°18'S	36°41'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
<b>Unpublished data</b>	98.4	Mixed woodland	Tanzania	5°46'S	37°37'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
<b>Unpublished data</b>	99.5	Mixed woodland	Tanzania	5°46'S	37°32'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
<b>Unpublished data</b>	103.0	Mixed woodland	Tanzania	5°37'S	37°59'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
<b>Unpublished data</b>	106.3	Mixed woodland	Tanzania	8°06'S	36°54'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
<b>Unpublished data</b>	142.1	Woodland	Tanzania	6°53'S	37°49'E	707	1	Wood	1908 10, 1949 1b, 1949 2, 2000 5, 1923 df, Savanna spectrum
<b>Unpublished data</b>	35.0	Miombo & grassland	Tanzania	7°49'S	38°44'E	707	1	Wood	1908 10, 1949 2, 1949 4, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	33.7	Woodland & grassland	Tanzania	8°55'S	35°38'E	707	1	Wood	1908 10, 1949 2, 1949 4, 2000 13, 2000 5, 1923 df, Savanna spectrum
<b>Unpublished data</b>	90.4	Grassland & Woodland	Tanzania	9°08'S	39°07'E	707	1	Wood	1908 10, 1949 2, 1949 4, 2000 13, 2000 5, 2000 7, 1923 df, Savanna spectrum
<b>Unpublished data</b>	6.5	Miombo woodland	Tanzania	6°18'S	30°59'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	6.6	Woodland	Tanzania	5°17'S	37°22'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	7.6	Woodland	Tanzania	6°50'S	37°35'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	9.2	Miombo	Tanzania	8°03'S	38°47'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	20.8	Miombo	Tanzania	7°50'S	38°32'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	23.3	Woodland	Tanzania	7°30'S	38°55'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	24.9	Miombo	Tanzania	9°49'S	38°22'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	25.9	Miombo woodland	Tanzania	6°50'S	32°34'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	26.7	Miombo woodland	Tanzania	6°49'S	32°14'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	27.0	Miombo woodland	Tanzania	6°29'S	31°51'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	27.4	Miombo woodland	Tanzania	6°56'S	30°43'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	30.8	Miombo woodland	Tanzania	6°25'S	31°34'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	31.4	Woodland	Tanzania	7°17'S	37°39'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	32.6	Miombo woodland	Tanzania	6°23'S	31°04'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum

Unpublished data	34.7	Miombo woodland	Tanzania	7°02'S	31°55'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	35.8	Miombo	Tanzania	7°30'S	38°55'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	37.8	Miombo woodland	Tanzania	8°23'S	36°42'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	38.1	Miombo	Tanzania	8°17'S	39°01'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	38.3	Miombo woodland	Tanzania	7°08'S	34°46'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	39.7	Miombo	Tanzania	10°22'S	38°18'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	39.8	Miombo woodland	Tanzania	8°03'S	38°47'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	40.9	Miombo	Tanzania	10°46'S	36°40'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	41.0	Miombo	Tanzania	10°00'S	38°15'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	41.1	Miombo	Tanzania	10°46'S	37°40'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	41.5	Semi-evergreen woodland	Tanzania	5°24'S	38°05'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	41.7	Woodland	Tanzania	8°17'S	38°52'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	42.5	Woodland	Tanzania	9°22'S	38°55'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	46.5	Miombo	Tanzania	7°47'S	38°20'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	47.0	Miombo	Tanzania	8°11'S	38°59'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	47.2	Miombo	Tanzania	10°00'S	36°00'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	47.3	Woodland	Tanzania	9°34'S	39°20'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	48.0	Miombo woodland	Tanzania	5°47'S	30°36'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	48.5	Miombo	Tanzania	9°44'S	37°46'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	49.1	Miombo woodland	Tanzania	n/a	n/a	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	53.5	Miombo	Tanzania	9°46'S	37°32'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	54.4	Miombo	Tanzania	11°25'S	37°36'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	54.4	Miombo	Tanzania	8°09'S	39°10'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
Unpublished data	54.9	Woodland	Tanzania	9°29'S	38°39'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum

<b>data</b>									Savanna spectrum
<b>Unpublished data</b>	55.2	Miombo woodland	Tanzania	7°49'S	38°52'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	59.3	Miombo	Tanzania	n/a	n/a	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	64.5	Wet woodland	Tanzania	6°49'S	37°45'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	65.6	Miombo	Tanzania	11°15S	37°15'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	67.9	Wet woodland	Tanzania	6°49'S	37°47'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	71.8	Miombo woodland	Tanzania	8°02'S	36°19'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	74.8	Miombo woodland	Tanzania	8°59'S	36°52'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	75.1	Miombo	Tanzania	7°41'S	39°16'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	77.1	Miombo	Tanzania	8°16'S	36°05'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	77.9	Miombo woodland	Tanzania	7°30'S	37°28'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	78.9	Miombo	Tanzania	8°55'S	36°17'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	79.4	Miombo	Tanzania	8°34'S	36°31'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	80.0	Woodland	Tanzania	8°44'S	36°22'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	86.1	Woodland	Tanzania	6°40'S	37°50'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	90.6	Woodland	Tanzania	8°14'S	39°10'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	99.1	Woodland	Tanzania	9°29'S	38°41'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	100.1	Woodland	Tanzania	7°19'S	37°54'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	101.3	Woodland	Tanzania	8°19'S	38°56'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	114.3	Miombo	Tanzania	10°59'S	37°15'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	120.0	Miombo	Tanzania	n/a	n/a	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	129.9	Woodland	Tanzania	9°08'S	39°20'E	707	1	Wood	1908 10, 1949 2, 2000 13, 2000 5, 1923 df, 1923 hglts, Savanna spectrum
<b>Unpublished data</b>	76.4	Woodland	Tanzania	10°26'S	37°36'E	707	1	Wood	1908 10, 1949 2, 2000 5, 1923 df, Savanna spectrum
<b>Unpublished data</b>	76.6	Miombo	Tanzania	8°15'S	38°42'E	707	1	Wood	1908 10, 1949 2, 2000 5, 1923 df, Savanna spectrum

Unpublished data	48.7	Rocky Woodland	Tanzania	n/a	n/a	1000	1	Wood	1908 3, 1908 4, 1908 5, 1908 6, 1949 1 , 1949 CPC, 1949 RPC, 1949 UC, 2000 13, 1923 atgs, 1923 hglts, Savanna spectrum
Unpublished data	6.3	Wooded grassland	Tanzania	7°11'S	36°49'E	1000	1	Wood	1908 5, 1949 4, 1949 RPC, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	94.0	Acacia woodland	Tanzania	n/a	n/a	1000	1	Wood	1908 6, 1949 4, 1949 CPC, 1949 RPC, 1949 UC, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	59.6	Rocky Woodland	Tanzania	n/a	n/a	1000	1	Wood	1908 6, 1949 CPC, 1949 RPC, 1949 UC, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	66.4	Miombo woodland	Tanzania	n/a	n/a	1000	1	Wood	1949 4, 1949 CPC, 1949 RPC, 1949 UC, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	74.0	Wooded grassland	Tanzania	n/a	n/a	1000	1	Wood	1949 4, 1949 CPC, 1949 RPC, 1949 UC, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	5.7	Grassland& woodland	Tanzania	8°38'S	39°11'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	19.8	Woodland & grassland	Tanzania	n/a	n/a	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	21.0	Grassland & woodland	Tanzania	9°00'S	39°18'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	28.7	Miombo & grassland	Tanzania	10°45'S	37°37'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	28.7	Woodland & grassland	Tanzania	8°51'S	36°47'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	39.0	Miombo & grassland	Tanzania	8°03'S	38°53'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	53.1	Miombo & grassland	Tanzania	9°29'S	38°00'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	53.4	Miombo & grassland	Tanzania	9°15'S	37°16'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	56.4	Woodland & grassland	Tanzania	5°55'S	37°50'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	62.4	Miombo & grassland	Tanzania	9°30'S	38°05'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	66.9	Miombo & grassland	Tanzania	9°08'S	37°38'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	70.9	Grassland & lowland forest	Tanzania	9°32'S	39°17'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	74.9	Woodland & grassland	Tanzania	8°52'S	35°49'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	77.2	Miombo & grassland	Tanzania	9°58'S	37°15'E	707	1	Wood	1949 4, 2000 13, 1923 hglts, Savanna spectrum
Unpublished data	28.4	Grassland, woodland & dry lowland forest	Tanzania	8°34'S	39°05'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum
Unpublished data	31.7	Grassland & woodland	Tanzania	9°02'S	39°16'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum
Unpublished data	35.7	Woodland & grassland	Tanzania	9°07'S	39°01'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum



Unpublished data	37.1	Woodland & grassland	Tanzania	9°32'S	39°24'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum
Unpublished data	37.4	Woodland & grassland	Tanzania	9°23'S	39°24'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum
Unpublished data	40.8	Woodland & grassland	Tanzania	8°55'S	39°03'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum
Unpublished data	53.8	Woodland & grassland	Tanzania	9°10'S	39°16'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum
Unpublished data	59.1	Woodland & grassland	Tanzania	9°30'S	39°25'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum
Unpublished data	77.2	Woodland & grassland	Tanzania	11°04'S	37°40'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum
Unpublished data	82.8	Woodland & grassland	Tanzania	9°23'S	39°31'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum
Unpublished data	119.4	Woodland & grassland	Tanzania	8°19'S	39°11'E	707	1	Wood	1949 4, 2000 13, 2000 7, Savanna spectrum
Unpublished data	110.7	Open woodland	Tanzania	n/a	n/a	1000	1	Wood	1949 CPC, 1949 RPC, 1949 UC
Unpublished data	98.4	Dry rocky evergreen woodland	Tanzania	n/a	n/a	1000	1	Wood	1949 CPC, 1949 RPC, 1949 UC
Unpublished data	35.5	Miombo woodland	Tanzania	7°53'S	39°03'E	707	1	Wood	2000 13, 1923 hglts, Savanna spectrum
[94]	0.2	Pastoral agroforestry	Sub-Saharan Africa	n/a	n/a	n/a	n/a	Wood	2000 15, Forest
[94]	0.2	Pastoral agroforestry	Sub-Saharan Africa	n/a	n/a	n/a	n/a	Wood	2000 15, Forest
[94]	3.2	Shelterbelt agroforestry	Sub-Saharan Africa	n/a	n/a	n/a	n/a	Wood	2000 15, Forest
[94]	3.8	Fruit agroforestry	Sub-Saharan Africa	n/a	n/a	n/a	n/a	Wood	2000 15, Forest
[94]	4.9	Pastoral agroforestry	Sub-Saharan Africa	n/a	n/a	n/a	n/a	Wood	2000 15, Forest
[94]	19.3	Fuelwood agroforestry	Sub-Saharan Africa	n/a	n/a	n/a	n/a	Wood	2000 15, Forest
[68]	19.1	Dry miombo woodland	Zimbabwe	18°10'S	31°33'E	n/a	n/a	Wood	1908 10, 1949 2, 2000 5, 1923 df, Savanna spectrum
[106]	17.2	Logged miombo woodland	Tanzania	7°06'S	37°54'E	99	89	Wood	2000 13, 1923 hglts, Savanna spectrum
[106]	19.3	Logged miombo woodland	Tanzania	7°06'S	37°54'E	99	89	Wood	2000 13, 1923 hglts, Savanna spectrum
[106]	19.8	Logged miombo woodland	Tanzania	7°06'S	37°54'E	99	43	Wood	2000 13, 1923 hglts, Savanna spectrum
[106]	22.1	Logged miombo woodland	Tanzania	7°06'S	37°54'E	99	43	Wood	2000 13, 1923 hglts, Savanna spectrum



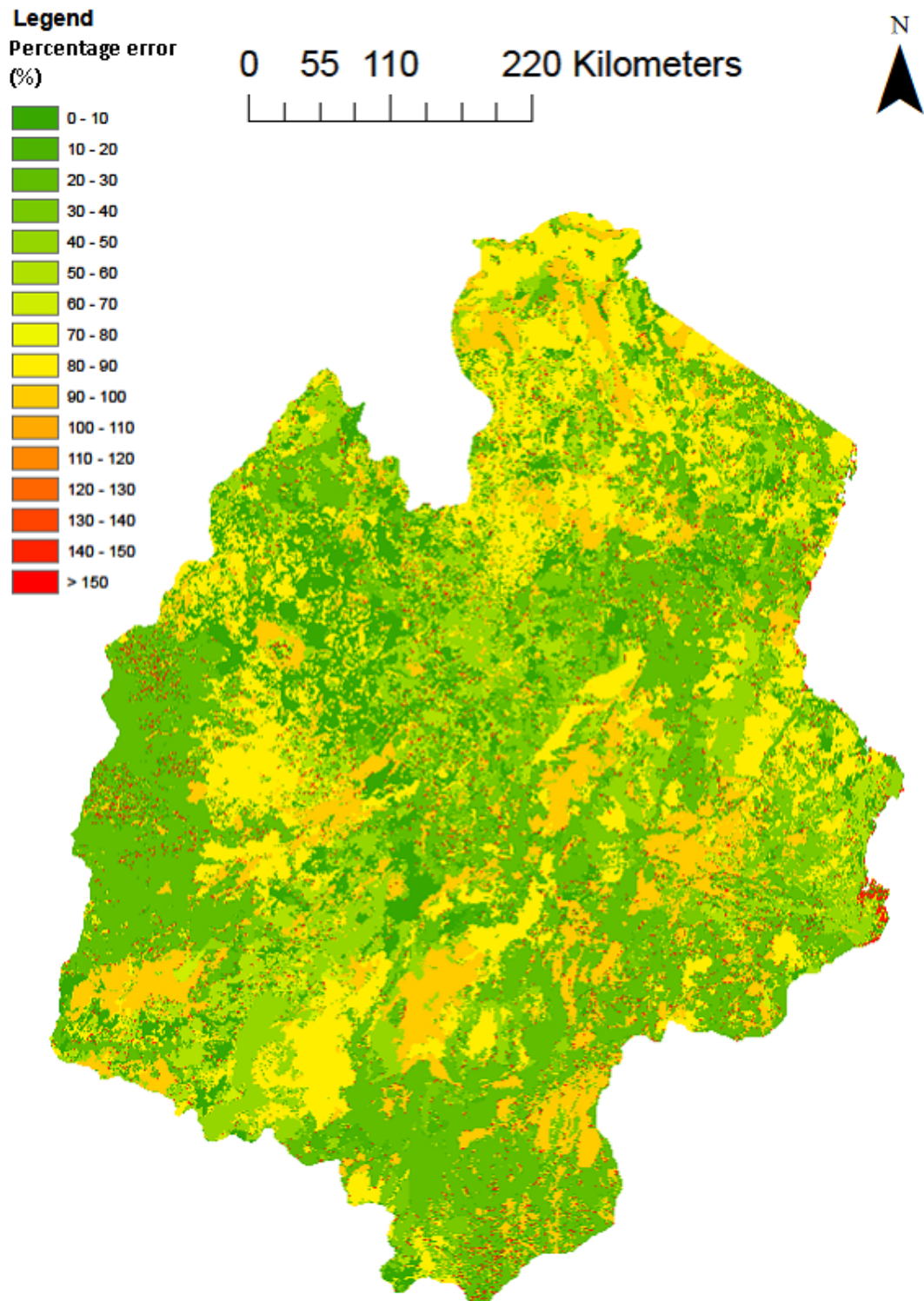


**App. 3.7** The median weighted total carbon values and 95% confidence limits for the study region.

Category Code	Description	Carbon value	Lower 95%CI	Upper 95% CI	References
1908 1	1 Salt Steppes*	99.3	90.8	114.9	[23, 81, 87] & unpublished data
1908 10	10 Dry forest (forest -steppe, Miombo forest) or tree-steppe with few grasses with low tree diversity (few dominating species) often growing in single-species patches)*	302.3	232.8	351.9	[23, 66, 68] & unpublished data
1908 11	11 High altitude grassland and high mountain steppe alongside alpine scrub and rock in high altitude regions*	153.4	104.7	162.8	[23, 42, 46, 83, 84]
1908 12	12 Open grass prairies, with only very few trees or shrubs*	153.4	104.7	162.8	[23, 42, 46, 83, 84]
1908 13	13 Steppe with few grasses, often with rocks, sometimes also with low, mostly thorny shrubs and trees, then orchard steepe with few grasses*	102	81.8	138.3	[23, 81, 87]
1908 2	2 Mangrove and Creekland*	224.5	145.1	424.2	[23, 54, 63, 64, 74, 75, 81, 85, 86, 89]
1908 3	3 Alluvial land with West African Species*	379.9	355.2	406.5	[23] & unpublished data
1908 4	4 Alluvial land in rain-poor areas, often park-like*	380.1	355.3	406.6	[23] & unpublished data
1908 5	5 Tropical rainforests of the flat plains and the mountains*	444.1	408.1	485.3	[23, 49, 50, 81, 96, 97] & unpublished data
1908 6	6 Cloud or high altitude forest*	418.6	388.4	453.4	[23] & unpublished data
1908 7	7 Park-like grove of the coastlines with high tree and shrub diversity*	378.4	353.7	405.1	[23, 35] & unpublished data
1908 8	8 Dry woody scrub bush and mountainous bush, sometimes with evergreen species, in some places with trees and often merging into bust-tree and grass steppe*	212.4	149.8	302.7	[23, 35, 42] & unpublished data
1908 9	9 Individual mountains with bush-kind vegetation*	212.2	149.5	302.2	[23, 35, 42] & unpublished data
1923 adgs	Acacia desert grass savanna	108.1	98.8	123.2	[23, 81, 87] & unpublished data
1923 atgs	Acacia tall grass savanna	211.6	135.6	281.4	[23, 66, 68, 71, 78, 81, 87, 88, 105] & unpublished data
1923 am	Alpine meadow	153.4	104.7	162.8	[23, 42, 46, 83, 84]
1923 df	Dry forest	301.8	232.3	352	[23, 66, 68] & unpublished data
1923 hgts	High grass low tree savanna	159.5	140.8	199.6	[23, 66, 68, 71, 78, 81, 87, 88, 104-106] & unpublished data
1923 m	Mangrove	231.1	151.6	455.9	[23, 63, 64, 85, 86]
1923 mg	Mountain grass	153.4	104.7	162.8	[23, 42, 46, 83, 84]
1923 tmrf	Temperate rain forest	439.5	397.7	494.3	[23, 49, 50, 81, 96, 97] & unpublished data
1923 tf	Thorn forest	212.9	149.5	302.6	[23, 35, 42] & unpublished data
1923 trrf	Tropical rain forest	393.7	372.5	416	[23, 35] & unpublished data
1949 1	1 Forest	410.5	388.9	433.8	[23, 49, 50, 54, 63, 64, 66, 81, 86, 96, 97] & unpublished data
1949 1b	1b Forest/woodland intermediate	380.2	326.7	448.4	[23, 50] & unpublished data
1949 2	2 Woodland	301.9	232.4	352.1	[23, 66, 68] & unpublished data
1949 2b	2b Woodland/Bush intermediate	179.7	146.4	229.1	[23, 35, 66] & unpublished data
1949 3	3 Bushland and Thicket	216	148.8	316	[23, 35, 42] & unpublished data
1949 3b	3b Specialised thickets of regional extent	215.7	148.6	316.6	[23, 35, 42] & unpublished data
1949 4	4 Wooded grassland	196.6	175.6	219	[23, 66, 68, 71, 78, 81,

					87, 88] & unpublished data
<b>1949 5</b>	5 Valley grassland	154.6	107.8	161.5	[23, 42, 46, 83, 84]
<b>1949 5b</b>	5b Ridge and slope grassland	154.7	107.6	161.6	[23, 42, 46, 83, 84]
<b>1949 6</b>	6 Permanent swamp vegetation	755.6	719.9	791.7	[74, 75, 81, 89]
<b>1949 7</b>	7 Desert/Semi desert	99.4	91.1	114.7	[23, 81, 87] & unpublished data
<b>1949 8</b>	8 Actively induced vegetation by natives	124.3	114.5	136.7	[23, 48, 79-82]
<b>1949 8b</b>	8b Actively induced vegetation by aliens	124.4	114.5	136.8	[23, 48, 79-82]
<b>1949 CPC</b>	Central plateau catena	282.5	225.9	344.1	[23] & unpublished data
<b>1949 RPC</b>	Rain-pond catena	272.7	216	335.3	[23] & unpublished data
<b>1949 UC</b>	Ugogo catena	291	235.4	353.2	[23] & unpublished data
<b>2000 1</b>	1 Unclassified	100.9	85.8	120.3	[23]
<b>2000 10</b>	10 Ice	165.8	129.1	202.5	[23]
<b>2000 11</b>	11 Mangrove forest	229.6	150.5	453.4	[23, 54, 63, 64, 85, 86]
<b>2000 12</b>	12 Ocean	98.1	84.5	113.7	[23]
<b>2000 13</b>	13 Open Woodland	196.1	174	219.9	[23, 66, 68, 71, 78, 81, 87, 88] & unpublished data
<b>2000 14</b>	14 Permanent Swamp	755.6	719.8	791.9	[74, 75, 81, 89]
<b>2000 15</b>	15 Plantation Forest	234.3	171.4	297.4	[23, 50, 55, 90-94]
<b>2000 16</b>	16 Rock outcrops	101.8	81.5	128.7	[23, 81, 87] & unpublished data
<b>2000 17</b>	17 Urban Area	110.1	96.8	125.2	[23]
<b>2000 18</b>	18 Water	90.2	78.9	102	[23]
<b>2000 19</b>	19 Woodland with scattered cropland	183.3	147.4	213.5	[23, 46, 79, 95]
<b>2000 2</b>	2 Bare Soils	99.4	90.8	110.1	[23] & unpublished data
<b>2000 20</b>	20 Lowland Forest <1000m	386.5	361	414.3	[23, 35, 49, 66] & unpublished data
<b>2000 21</b>	21 Sub-montane forest 1000-1500m	490.2	440.8	559.9	[23, 50, 96, 97] & unpublished data
<b>2000 22</b>	22 Montane Forest 1500-2000m	428.5	367.2	517.4	[23] & unpublished data
<b>2000 23</b>	23 Upper-montane forest >2000m	413.7	218.7	618	[23] & unpublished data
<b>2000 24</b>	24 Sisal plantation	181.3	146.3	221.3	[23, 103]
<b>2000 25</b>	25 Tea plantation	163.8	127.9	201.2	[23, 47, 80]
<b>2000 26</b>	26 Rubber plantation	184	120.1	222.5	[23, 99]
<b>2000 27</b>	27 Teak plantation	124.2	82.5	174.6	[23, 55, 92]
<b>2000 28</b>	28 Rice plantation	181.8	108.2	257.7	[23, 100, 101]
<b>2000 29</b>	29 Monocrop unspecified	111.7	93.6	134.4	[23, 48, 80-82]
<b>2000 3</b>	3 Bushland	212.1	149.1	301.8	[23, 35, 42] & unpublished data
<b>2000 30</b>	30 Sugarcane plantation	225.7	134.7	355.8	[23, 102]
<b>2000 4</b>	4 Bushland with scattered cropland	117.8	111.3	125.8	[23, 48]
<b>2000 5</b>	5 Closed Woodland	301.4	231	352.1	[23, 66, 68] & unpublished data
<b>2000 6</b>	6 Cultivation	123.4	113.4	136.1	[23, 48, 79-82]
<b>2000 7</b>	7 Forest mosaic	378.7	325.5	446.9	[23] & unpublished data
<b>2000 8</b>	8 Grassland	153.4	104.7	162.7	[23, 42, 46, 83, 84]
<b>2000 9</b>	9 Grassland with scattered cropland	129	112.9	139.1	[23, 46, 79]
<b>Forest</b>	Forest	416.9	396.5	439.6	[23, 35, 49, 50, 54, 55, 63, 64, 66, 85, 86, 90-94, 96, 97, 99] & unpublished data
<b>Savanna spectrum</b>	Any land use ranging between woodland and grassland.	196.4	167.3	244.9	[23, 35, 42, 46, 66, 68, 71, 74, 75, 78, 81, 83, 84, 87-89, 104-106] & unpublished data
<b>Crop</b>	Cropland	127.9	121.5	136.1	[23, 48, 79-82]
<b>Other</b>	Other	100.6	95.9	110.7	[23, 81, 87] & unpublished data

\* translations from German [107]



**App. 3.8** The spatial distribution of the size of the cell 95% CI (expressed as a percentage) for the aboveground live carbon pool, using original land use categories.

**App. 3.9** The carbon values and confidence limits for the aboveground live carbon pool using the original and harmonised land cover categories without any form of weighting. These values are not significantly different from the weighted values shown in Table 2.3 and App. 3.4 when a paired t-test is performed ( $p$ -value < 0.693). The range of landscape values derived from these (1.22 [0.91-1.61] Pg C and 1.70 [1.46-1.98] Pg C for original and harmonised land cover categories respectively) overlap those derived from the weighted values and are also significantly higher than previous estimates (Table 2.2). (Area (million ha); M - Median carbon storage ( $\text{Mg ha}^{-1}$ ); ICI - Lower 95% confidence interval of carbon storage ( $\text{Mg ha}^{-1}$ ); uCI - Upper 95% confidence interval of carbon storage ( $\text{Mg ha}^{-1}$ ); n – Sample size)

Description	Area	Aboveground live				References
		M	ICI	uCI	n	
<b>1 Unclassified</b>	0.00	0.0	0.0	0.0	0	[23]
<b>2 Bare Soils</b>	0.02	0.0	0.0	0.0	1	[23] & unpublished data
<b>3 Bushland</b>	5.04	121.2	47.0	201.1	15	[23, 35, 42] & unpublished data
<b>4 Bushland with scattered cropland</b>	3.41	0.0	0.0	0.0	1	[23, 48]
<b>5 Closed Woodland</b>	1.82	46.9	41.9	52.1	104	[23, 66, 68] & unpublished data
<b>6 Cultivation</b>	2.46	17.4	11.1	27.1	14	[23, 48, 79-82]
<b>7 Forest mosaic</b>	0.05	48.6	32.5	67.5	573	[23] & unpublished data
<b>8 Grassland</b>	5.18	3.3	1.2	6.4	7	[23, 42, 46, 83, 84]

<b>9 Grassland with scattered cropland</b>	2.73	0.0	0.0	0.0	3	[23, 46, 79]
<b>10 Ice</b>	0.00	0.0	0.0	0.0	0	[23]
<b>11 Mangrove forest</b>	0.06	27.2	12.3	43.9	6	[23, 54, 63, 64, 85, 86]
<b>12 Ocean</b>	0.00	2.0	2.0	2.0	0	[23]
<b>13 Open Woodland</b>	9.62	196.5	187.7	205.8	114	[23, 66, 68, 71, 78, 81, 87, 88] & unpublished data
<b>14 Permanent Swamp</b>	0.18	289.9	262.1	319.4	7	[74, 75, 81, 89]
<b>15 Plantation Forest</b>	0.10	253.3	198.7	325.5	48	[23, 50, 55, 90-94]
<b>16 Rock outcrops</b>	0.00	103.9	74.4	143.5	6	[23, 81, 87] & unpublished data
<b>17 Urban Area</b>	0.03	45.7	36.8	56.4	0	[23]
<b>18 Water</b>	0.12	22.2	16.0	30.4	0	[23]
<b>19 Woodland with scattered cropland</b>	2.12	59.0	41.7	76.3	7	[23, 46, 79, 95]
<b>20 Lowland Forest</b>	0.15	31.8	18.7	47.2	1228	[23, 35, 49, 66] & unpublished data
<b>21 Sub-montane forest</b>	0.34	2.7	2.5	3.0	184	[23, 50, 96, 97] & unpublished data
<b>22 Montane Forest</b>	0.21	19.0	5.9	34.7	203	[23] & unpublished data



<b>23 Upper-montane forest</b>	0.10	51.7	26.0	88.1	32	[23] & unpublished data
<b>24 Sisal plantation</b>	0.01	32.3	24.3	40.0	3	[23, 98]
<b>25 Tea plantation</b>	0.02	6.8	6.8	6.8	22	[23, 47, 80]
<b>26 Rubber plantation</b>	0.00	64.5	56.5	73.6	2	[23, 99]
<b>27 Teak plantation</b>	0.00	18.0	6.0	32.9	29	[23, 55, 92]
<b>28 Rice plantation</b>	0.06	176.2	163.7	189.3	2	[23, 100, 101]
<b>29 Monocrop unspecified</b>	0.01	4.1	1.2	8.6	13	[23, 48, 80-82]
<b>30 Sugarcane plantation</b>	0.01	8.0	6.0	11.0	21	[23, 102]
<b>Forest</b>	0.96	207.2	197.0	218.7	1703	[23, 35, 49, 50, 54, 55, 63, 64, 66, 85, 86, 90-94, 96, 97, 99] & unpublished data
<b>Savanna spectrum</b>	26.02	53.1	47.3	59.8	185	[23, 35, 42, 46, 66, 68, 71, 74, 75, 78, 81, 83, 84, 87-89, 104-106] & unpublished data
<b>Crop</b>	6.69	18.1	5.9	32.5	14	[23, 48, 79-82]
<b>Other</b>	0.19	3.2	1.2	6.5	6	[23, 81, 87] & unpublished data

## Appendix 4

**App. 4.1** The PCA axis of environmental variables spanned by my 1,611 plots. Axis 1 is dominated by temperature variables. The correlation coefficient between MAT and other variables is also shown. Elevation and anthropogenic disturbance (not shown) had correlation coefficients ranges of 0.92 to 0.96 and -0.30 to 0.35 respectively.

Variable	Description	Resolution	Source	Axis 1	Axis 2	Axis 3	Axis 4	Axis 5	Correlation with MAT
Mean burned area probability in the fourth quarter	The mean burnt area probability from January to March	0.5km	[25]	0.028817	0.436769	-0.22405	0.217956	-0.11453	-0.05
Mean burned area probability in the third quarter	The mean burnt area probability from April to June			0.042253	0.427735	-0.20595	0.200203	-0.1424	-0.07
Annual mean burned area probability	The annual mean burned area probability			0.038842	0.484005	-0.24165	0.235007	-0.1418	-0.07
Total nitrogen content of the soil	The amount of organic carbon present in the soil to a depth of 1m	10km	[23, 24]	0.187956	0.276185	0.22216	-0.37162	-0.13668	-0.35
Total carbon content of the soil	The amount of nitrogen present in the soil to a depth of 1m			-0.21043	0.261661	0.396431	-0.09508	0.107052	0.14
Total available water capacity of the soil	The available water capacity of the soil to a depth of 1m			-0.13038	-0.00075	0.265522	0.357736	-0.14687	0.02
pH of the soil	The mean pH of the soil to a depth of 1m			-0.28239	-0.00214	0.303893	0.377933	0.100051	0.22
Percentage sand content of the soil	The mean percentage mass of sand in the soil to a depth of 1m			0.087656	-0.19291	-0.35074	0.168144	-0.21462	0.01
Soil fertility	A mean measure of soil fertility to a 1m depth. Calculated as $((100 - \text{Aluminium saturation})/100) \times \text{effective cation exchange capacity}$			0.233446	0.190747	-0.03035	-0.47566	-0.13187	-0.27
Mean annual global horizontal solar radiation	The mean annual global horizontal solar radiation at ground level	40km	[30, 31]	-0.15015	0.150255	0.01957	0.099889	0.364822	0.11
Aspect	The aspect of the slope	0.1km	[12]	-0.09031	-0.01527	0.043953	-0.22473	-0.17124	0.17
Wind speed	The mean annual wind speed 50m above the ground	0.2km	[22]	0.151085	-0.25267	-0.30176	0.087243	0.292845	-0.14
Mean maximum cumulative water deficit	Maximum mean cumulative water deficit (calculated as [15])	4km	[20, 21]	-0.2134	0.227975	-0.12155	-0.15869	0.480611	0.34
Mean number of dry months annually	The average number of months annually that precipitation is exceeded by potential evapotranspiration			-0.22289	0.126725	-0.25759	-0.19297	0.422544	0.44

<b>Mean annual temperature</b>	The mean annual temperature derived from the mean monthly temperatures. Made more resolute using the elevation difference observed between the climate data digital elevation model and a higher resolution dataset	0.1km	[11, 12]	-0.4073	-0.06801	-0.21286	-0.12644	-0.19817	1
<b>Mean annual maximum monthly temperature</b>	The mean annual maximum temperature derived from the mean monthly maximum temperatures. Made more resolute using the elevation difference observed between the climate data digital elevation model and a higher resolution dataset			-0.36416	-0.0943	-0.29076	-0.12279	-0.16486	0.97
<b>Mean annual minimum monthly temperature</b>	The mean annual minimum temperature derived from the mean monthly minimum temperatures. Made more resolute using the elevation difference observed between the climate data digital elevation model and a higher resolution dataset			-0.42556	-0.04709	-0.14756	-0.12722	-0.21809	0.98
<b>Mean annual monthly temperature range</b>	The difference between the mean annual maximum and minimum temperatures			0.359161	-0.05696	-0.17193	0.083342	0.222735	0.98
<b>Standard deviation</b>				2.129	1.6895	1.5965	1.5546	1.11668	
<b>Proportion of Variance</b>				0.2518	0.1586	0.1416	0.1343	0.06928	
<b>Cumulative Proportion</b>				0.2518	0.4104	0.552	0.6863	0.75555	

**App. 4.2** Mean biomass estimates for forested land within my study area using moist and dry forest allometric equations [108].

<b>Allometric equation</b>	<b>Inputs</b>	<b>Biomass Estimate, Mg ha<sup>-1</sup> (95% CI range)</b>
Moist forest equation	DBH, height and WSG	314.2 (300.6-327.6)
Moist forest equation	DBH and WSG	495.6 (475.8-515.2)
Dry forest equation	DBH, height and WSG	280.2 (269.0-291.2)
Dry forest equation	DBH and WSG	262.4 (253.4-271.6)

**App. 4.3** The correlation coefficients of the continuous candidate drivers.

ID	Candidate Driver Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50							
1	Population pressure with decay constant of 41.6km	1.0	0.9	0.8	0.7	0.5	0.5	0.4	1.0	0.9	0.8	0.8	0.7	0.7	0.6	-	-	-	-	-	-	-	-	0.0	-	0.2	0.5	-	0.4	0.0	0.9	-	-	0.3	0.6	0.1	-	0.3	0.4	0.0	-	0.1	0.1	NA	NA	-	-	-	0.9	0.9	0.9	0.9	0.9	-	0.9	0.9	0.9	
2	Population pressure with decay constant of 20.8km	0.9	1.0	1.0	0.9	0.8	0.7	0.6	0.9	1.0	0.9	0.9	0.9	0.8	0.7	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-	0.7	-	-	0.4	0.1	-	-	-	-	-	-	-	NA	NA	-	-	-	0.8	0.8	0.7	0.8	0.8	-	0.8	0.8	0.7			
3	Population pressure with decay constant of 16.7km	0.8	1.0	1.0	1.0	0.9	0.8	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.7	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	0.6	-	-	0.2	0.3	0.1	-	-	-	-	-	-	NA	NA	-	-	-	0.7	0.7	0.6	0.6	0.7	-	0.7	0.7	0.6			
4	Population pressure with decay constant of 12.5km	0.7	0.9	1.0	1.0	1.0	0.9	0.6	0.7	0.8	0.9	0.9	0.9	0.8	0.7	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	0.5	-	-	0.2	0.1	0.1	-	-	-	-	-	-	NA	NA	-	-	-	0.6	0.6	0.5	0.5	0.6	-	0.5	0.6	0.5			
5	Population pressure with decay constant of 8.6km	0.5	0.8	0.9	1.0	1.0	0.9	0.7	0.6	0.7	0.8	0.8	0.8	0.7	0.6	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	0.4	-	-	0.1	0.1	0.2	0.1	-	-	0.0	-	0.2	0.1	0.1	NA	NA	-	-	-	0.4	0.5	0.4	0.4	0.5	-	0.4	0.5	0.4	
6	Population pressure with decay constant of 4.2km	0.5	0.7	0.8	0.9	0.9	1.0	0.8	0.5	0.7	0.7	0.7	0.7	0.7	0.6	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	0.4	-	-	0.1	0.0	0.1	0.1	-	-	0.1	-	0.2	0.1	0.1	NA	NA	-	-	-	0.4	0.4	0.3	0.3	0.4	-	0.4	0.4	0.3	
7	Population pressure with decay constant of 1.7km	0.4	0.6	0.6	0.6	0.7	0.8	1.0	0.4	0.5	0.6	0.6	0.6	0.6	0.6	-	-	-	-	-	-	-	-	-	0.0	-	0.1	0.2	-	-	0.3	-	-	0.2	0.1	0.1	-	-	0.1	-	0.2	0.0	0.0	NA	NA	0.0	0.0	-	0.3	0.4	0.4	0.3	0.3	0.4	-	0.4	0.4	
8	Natural logarithm of the population pressure with decay constant of 41.6km	1.0	0.9	0.8	0.7	0.6	0.5	0.4	1.0	0.9	0.8	0.8	0.7	0.7	0.6	-	-	-	-	-	-	-	-	-	0.0	-	0.2	0.5	-	0.4	0.0	0.9	-	-	0.3	0.6	0.1	-	0.3	0.4	0.0	-	0.1	0.1	NA	NA	-	-	-	0.9	0.9	0.9	0.9	0.9	-	0.9	0.9	0.9











**App. 4.4** The mean (and 95% CI) look-up table values used to estimate the gradient of the power law relationship, the intercept of the power law relationship and WSG. Carbon storage look-up values were taken directly from App. 3.9. Due to the low sample size (n=43), the carbon sequestration look-up values were not separated by land cover and a value of  $-2.39$  ( $-6.35$  to  $1.16$ )  $\text{Mg ha}^{-1} \text{ yr}^{-1}$  was used throughout the study area.

Land cover [109]	Sample Size	WSG	The gradient of the power law relationship	The intercept of the power law relationship
Lowland Forest (<1000m)	579	0.60 (0.59 to 0.61)	-0.91 (-0.98 to -0.85)	3.99 (3.72 to 4.28)
Sub-montane forest (1000-1500m)	492	0.55 (0.55 to 0.56)	-1.25 (-1.30 to -1.20)	5.68 (5.41 to 5.96)
Montane Forest (1500-2000m)	146	0.60 (0.60 to 0.61)	-1.60 (-1.71 to -1.49)	6.94 (6.46 to 7.43)
Upper-montane forest (>2000m)	27	0.61 (0.59 to 0.62)	-1.67 (-2.00 to -1.31)	7.13 (5.63 to 8.62)
Forest mosaic	1*	0.49	-1.81	8.67
Closed Woodland	38	0.64 (0.62 to 0.67)	-1.56 (-1.86 to -1.33)	6.67 (5.77 to 7.84)
Open Woodland	67	0.61 (0.59 to 0.62)	-1.45 (-1.71 to -1.20)	6.40 (5.24 to 7.51)

\*Confidence intervals not calculated due to low sample size. Included in the table to highlight this lack of data.

**App. 4.5** Carbon stored and sequestered across the mountain blocks of the EAM range.

Eastern Arc Mountain Block [110]	Area, km <sup>2</sup>	Aboveground live carbon storage, Tg		Mean carbon emission, Mg ha <sup>-1</sup> yr <sup>-1</sup>
		Tier 3	Tier 2 (Original from Chapter 2)	
North Pare	510	1.93	2.38	2.60
South Pare	2,327	8.96	9.59	2.41
West Usambara	2,945	13.52	15.96	3.64
East Usambara	1,145	5.91	7.63	2.79
Nguu	1,562	9.34	12.71	1.89
Nguru	2,565	15.11	18.86	1.79
Ukaguru	3,243	13.39	20.63	1.42
Uluguru	3,057	15.92	13.91	1.35
Rubeho	7,984	36.84	40.96	1.06
Malundwe	33	0.29	0.29	1.80
Udzungwa	22,788	101.73	104.05	1.01
Mahenge	2,606	23.58	12.08	0.19
<b>Total</b>	<b>50,765</b>	<b>246.53</b>	<b>259.06</b>	<b>1.19</b>

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