

Table 4.5: Relative Densities of Preferred Species

Tree Spacing For Selected Species

Total Sample Point-Tree Distance For Species (along entire transect)	Transects							
	Mufurudzi	Mupedzanhamo	Zvataida	Mudzinge	Principe A	Principe B	Chidumbwe II	Chidumbwe I
<i>P. angolensis</i>	5.84	12.22	0	1.63	0.71	0.88	8.58	0
<i>D. kirkii</i>	64.5	12.13	52.4	18.81	19.86	14.26	0	27.15
<i>B. boehmii</i>	214.37	354.46	45.55	52.58	99.8	123.18	54.85	29.75
<i>B. petersiana</i>	64.21	0	1.38	8.01	11.33	9.37	5.48	148
<i>T. sericea</i>	45.57	2.78	19	3.31	7.53	3.78	30.01	69.41
<i>D. cinerea</i>	67.19	19	12.59	3.01	10.92	12.1	429.03	0
<i>L. discolor</i>	24.88	27.06	8.96	0	21	4.46	0	0
Total Sampling Point-Tree Distance For All Species (along entire transect)	805.9	574.5	550.1	405.5	343.1	359.8	1064.5	411.6
Density of Woody Vegetation Along Transect	614.4	1212.0	763.6	654.7	2631.4	1889.4	214.8	377.7
Relative Density For Species per Hectare *								
<i>P. angolensis</i>	4.5	25.8	0.0	2.6	5.4	4.6	1.7	0.0
<i>D. kirkii</i>	49.2	25.6	72.7	30.4	152.3	74.9	0.0	24.9
<i>B. boehmii</i>	163.4	747.8	63.2	84.9	765.4	646.8	11.1	27.3
<i>B. petersiana</i>	49.0	0.0	1.9	12.9	86.9	49.2	1.1	135.8
<i>T. sericea</i>	34.7	5.9	26.4	5.3	57.8	19.8	6.1	63.7
<i>D. cinerea</i>	51.2	40.1	17.5	4.9	83.8	63.5	86.5	0.0
<i>L. discolor</i>	19.0	57.1	12.4	0.0	161.1	23.4	0.0	0.0
Total per hectare	370.9	902.2	194.2	141.0	1312.6	882.4	106.5	251.7
Probability of Finding Any of the Above Species Per Hectare	0.6	0.7	0.3	0.2	0.5	0.5	0.5	0.7

*Relative Density of Species = $[\sum(\text{SP-TD})_s \div \sum(\text{SP-TD})_{as}] \times (\text{DWV}_h)$, where terms are defined in Chapter 3.