

Implication of forest zonation on tree species composition, diversity and structure in Mabira Forest, Uganda

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Appendix 1

Species name	Family name	Zone	AB	D/ha	RD	RF	Rdom	IVI	IVIR
<i>Acalypha neptunica</i> Müll.Arg.	Euphorbiaceae	B	17	300	19.3	3.0	39.7	61.9	1.0
<i>Alangium chinense</i> (Lour.) Harms	Alangiaceae	B	1	2.5	0.2	1.5	0.0	1.7	31.0
<i>Albizia zygia</i> (DC.) J.F.Macbr.	Fabaceae	B	1	2.5	0.2	1.5	0.0	1.7	39.0
<i>Alstonia boonei</i>	Apocynaceae	B	1	10	0.6	1.5	1.0	3.1	19.0
<i>Antiaris toxicaria</i> Lesch.	Moraceae	B	1	5	0.3	1.5	0.2	2.0	26.0
<i>Aphania senegalensis</i> (Juss. Ex Poir.)	Sapindaceae	B	1	2.5	0.2	1.5	0.0	1.7	36.0
<i>Artocarpus heterophyllus</i> Lam.	Moraceae	B	5	30	1.9	4.5	0.8	7.2	14.0
<i>Blighia unijugata</i> Baker.	Sapindaceae	B	3	40	2.6	3.0	3.1	8.7	10.0
<i>Broussonetia papyrifera</i> (L.) L'Hér. ex Vent	Moraceae	B	68	367.5	23.6	6.0	8.8	38.4	2.0
<i>Canthium vulgare</i>	Rubiaceae	B	4	30	1.9	4.5	0.9	7.3	13.0
<i>Celtis durandii</i> Engl.	Ulmaceae	B	4	62.5	4.0	3.0	3.8	10.8	8.0
<i>Celtis africana</i> N.L.Burm	Ulmaceae	B	16	77.5	5.0	4.5	2.0	11.4	6.0
<i>Celtis mildbraedii</i> Engl.	Ulmaceae	B	15	65	4.2	6.0	1.0	11.2	7.0
<i>Celtis wightii</i> Planch.	Ulmaceae	B	4	20	1.3	4.5	0.4	6.1	15.0
<i>Chrysophyllum albidum</i> G. Don)	Sapotaceae	B	1	2.5	0.2	1.5	0.0	1.7	38.0
<i>Coffea canephora</i> .	Rubiaceae	B	4	80	5.1	1.5	13.3	19.9	4.0
<i>Croton macrostachyus</i> Hochst. ex Delile	Euphorbiaceae	B	1	5	0.3	1.5	0.2	2.0	25.0
<i>Entando angolensis</i>		B	1	10	0.6	1.5	0.6	2.7	21.0
<i>Ficus exasperata</i> Vahl	Moraceae	B	5	30	1.9	4.5	1.0	7.4	12.0
<i>Ficus mucuso</i> Welw. ex. Ficalho	Moraceae	B	4	10	0.6	1.5	0.1	2.3	22.0
<i>Ficus pseudomangifera</i> Hutch	Moraceae	B	1	2.5	0.2	1.5	0.0	1.7	30.0
<i>Ficus sur</i> Forssk.	Moraceae	B	3	7.5	0.5	1.5	0.1	2.1	23.0
<i>Funtumia elastica</i> (Preuss) Stapf.	Apocynaceae	B	17	170	10.9	6.0	6.2	23.0	3.0

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Species name	Family name	Zone	AB	D/ha	RD	RF	Rdom	IVI	IVIR
<i>Khaya anthotheca</i> .	Meliaceae	B	2	15	1.0	3.0	0.9	4.8	18.0
<i>Kigelia africana</i> (Lam.) Beneth	Bignoniaceae	B	1	5	0.3	1.5	0.2	2.0	27.0
<i>Lasciodiscus mildbraedii</i> Engl.	Sapindaceae	B	3	7.5	0.5	1.5	0.1	2.1	24.0
<i>Maesopsis eminii</i> Engler	Rhamnaceae	B	1	2.5	0.2	1.5	0.0	1.7	34.0
<i>Manicala spp</i>		B	1	20	1.3	1.5	7.5	10.3	9.0
<i>Markhamia lutea</i> K. Schum .	Bignoniaceae	B	10	40	2.6	4.5	0.9	7.9	11.0
<i>Morus mesozygia</i>	Moraceae	B	1	2.5	0.2	1.5	0.0	1.7	37.0
<i>Musa sapientum</i> L.	Musaceae	B	1	2.5	0.2	1.5	0.0	1.7	32.0
<i>Peptadeniastrum africanum</i> (Hook. f.)	Fabaceae	B	1	20	1.3	1.5	2.6	5.4	16.0
<i>Rauvolfia oxyphylla</i>	Fabaceae	B	1	2.5	0.2	1.5	0.1	1.7	29.0
<i>Senna didymobotrya</i> (Fresen.) H.S. Irwin & Barneby	Fabaceae	B	1	20	1.3	1.5	2.1	4.9	17.0
<i>Teclea nobilis</i> Hook. f. ex Oliver	Rutaceae	B	1	2.5	0.2	1.5	0.0	1.7	33.0
<i>Terminalia spp.</i>	Combretaceae	B	1	10	0.6	1.5	0.7	2.8	20.0
<i>Trilepisium madagascariensis</i>	Moraceae	B	12	67.5	4.3	6.0	1.4	11.7	5.0
<i>Trichilia triacantha</i> Urb.	Meliaceae	B	1	2.5	0.2	1.5	0.0	1.7	35.0
Un known		B	2	5	0.3	1.5	0.1	1.9	28.0
<i>Acalypha neptunica</i> Müll.Arg.	Euphorbiaceae	P	1	20	1.5	3.1	3.4	8.1	9.0
<i>Antiaris toxicaria</i> Lesch.	Moraceae	P	3	45	3.3	6.3	2.3	11.9	5.0
<i>Artabotrys spp.</i>	Annonaceae	P	3	60	4.4	3.1	14.9	22.4	2.0
<i>Artocarpus heterophylla</i> Lam.	Moraceae	P	3	12.5	0.9	6.3	0.2	7.4	12.0
<i>Broussonetia papyrifera</i> (L.) L'Hér. ex Vent	Moraceae	P	68	935	69.3	9.4	59.7	138.3	1.0
<i>Celtis durandii</i> Engl.	Ulmaceae	P	2	25	1.9	6.3	1.1	9.2	7.0
<i>Coffea canephora</i>	Rubiaceae	P	1	10	0.7	3.1	0.6	4.4	16.0
<i>Ficus exasperata</i> Vahl	Moraceae	P	8	47.5	3.5	12.5	0.9	16.9	3.0
<i>Ficus spp</i>	Moraceae	P	2	5	0.4	3.1	0.1	3.6	18.0
<i>Ficus sur</i> Forssk.	Moraceae	P	3	17.5	1.3	9.4	0.4	11.1	6.0
<i>Funtumia spp</i>	Apocynaceae	P	1	20	1.5	3.1	1.9	6.5	14.0
<i>Khaya anthotheca</i>	Meliaceae	P	1	20	1.5	3.1	3.2	7.8	11.0
<i>Macaranga kilimandscharica</i> Pax	Euphorbiaceae	P	1	10	0.7	3.1	0.6	4.4	17.0
<i>Maesopsis eminii</i> Engler	Rhamnaceae	P	1	2.5	0.2	3.1	0.0	3.3	19.0
<i>Margaritaria discoides</i>	Euphorbiaceae	P	1	20	1.5	3.1	4.0	8.6	8.0
<i>Markhamia lutea</i> K. Schum .	Bignoniaceae	P	5	55	4.1	9.4	3.2	16.7	4.0
<i>Spathodea campanulata</i> (African tulip tree)	Bignoniaceae	P	1	10	0.7	3.1	0.7	4.5	15.0
<i>Teclea nobilis</i> Hook. f. ex Oliver	Rutaceae	P	1	20	1.5	3.1	2.2	6.8	13.0
<i>Trilepisium madagascariensis</i>	Moraceae	P	2	15	1.1	6.3	0.5	7.9	10.0
<i>Albizia gingatea</i> A. Chev.	Fabaceae	SNR	1	2.5	0.2	1.4	0.0	1.6	35.0
<i>Albizia glaberrima</i> (Schumach. & Thonn.) Benth.	Fabaceae	SNR	2	5	0.3	1.4	0.1	1.8	29.0
<i>Albizia grandibracteata</i> Taub.	Fabaceae	SNR	1	5	0.3	1.4	0.2	2.0	26.0
<i>Albizia spp</i>	Fabaceae	SNR	1	2.5	0.2	1.4	0.0	1.6	36.0
<i>Albizia zygia</i> (DC.) J.F.Macbr.	Fabaceae	SNR	2	5	0.3	1.4	0.0	1.8	30.0
<i>Antiaris toxicaria</i> Lesch.	Moraceae	SNR	6	32.5	2.0	4.3	0.8	7.1	12.0
<i>Bridelia micrantha</i> (Hochst.)	Euphorbiaceae	SNR	3	12.5	0.8	2.9	0.4	4.0	20.0

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<i>Broussonetia papyrifera</i> (L.) L'Hér. ex Vent	Moraceae	SNR	9	75	4.6	5.7	2.8	13.2	5.0
<i>Canthium vulgare</i>	Rubiaceae	SNR	11	165	10.2	4.3	23.5	38.0	2.0
<i>Celtis durandii</i> Engl.	Ulmaceae	SNR	7	25	1.5	2.9	0.9	5.3	17.0
<i>Celtis africana</i> N.L.Burm	Ulmaceae	SNR	20	127.5	7.9	5.7	5.1	18.7	4.0
<i>Celtis mildbraedii</i> Engl.	Ulmaceae	SNR	11	52.5	3.3	4.3	1.2	8.8	8.0
<i>Celtis</i> sp.	Ulmaceae	SNR	2	12.5	0.8	2.9	0.7	4.3	19.0
<i>Celtis wightii</i> Planch.	Ulmaceae	SNR	6	45	2.8	5.7	2.4	10.9	7.0
<i>Celtis zenkeri</i> Engl.	Ulmaceae	SNR	3	20	1.2	2.9	1.2	5.3	16.0
<i>Chrysophyllum albidum</i> G. Don)	Sapotaceae	SNR	2	30	1.9	2.9	3.4	8.1	10.0
<i>Coffea canephora</i>	Rubiaceae	SNR	1	20	1.2	1.4	3.7	6.3	13.0
<i>Cola gigantea</i> A.Chev.	Sterculiaceae	SNR	2	10	0.6	1.4	0.5	2.6	23.0
<i>Entandrophragma angolense</i> (Welw.) DC	Meliaceae	SNR	6	50	3.1	2.9	2.3	8.2	9.0
<i>Ficus mucuso</i> Welw. ex. Ficalho	Moraceae	SNR	2	7.5	0.5	2.9	0.1	3.4	22.0
<i>Ficus polita</i> Vahl	Moraceae	SNR	3	7.5	0.5	1.4	0.1	2.0	25.0
<i>Ficus</i> spp	Moraceae	SNR	1	5	0.3	1.4	0.2	1.9	27.0
<i>Ficus sur</i> Forssk.	Moraceae	SNR	3	20	1.2	2.9	1.0	5.1	18.0
<i>Funtumia elastica</i> (Preuss) Stapf.	Apocynaceae	SNR	75	470	29.1	5.7	20.9	55.7	1.0
<i>Maesopsis eminii</i> Engler	Rhamnaceae	SNR	1	2.5	0.2	1.4	0.0	1.6	37.0
<i>Markhamia lutea</i> K. Schum .	Bignoniaceae	SNR	1	2.5	0.2	1.4	0.0	1.6	32.0
<i>Milicia excelsa</i> , M. regia	Moraceae	SNR	1	2.5	0.2	1.4	0.0	1.6	33.0
<i>Monodora myrstica</i>	Annonaceae	SNR	2	7.5	0.5	2.9	0.3	3.6	21.0
<i>Mulgaterea</i> spp.		SNR	1	20	1.2	1.4	4.8	7.4	11.0
<i>Sapium ellipticum</i> (Hochst.) Pax	Euphorbiaceae	SNR	3	7.5	0.5	1.4	0.1	2.0	24.0
<i>Tabernamontana holstii</i>	Apocynaceae	SNR	2	25	1.5	2.9	1.8	6.2	15.0
<i>Teclea nobilis</i> Hook. f. ex Oliver	Rutaceae	SNR	28	222.5	13.8	5.7	14.6	34.1	3.0
<i>Tetrapleura tetraptera</i> (prekese)	Fabaceae	SNR	1	2.5	0.2	1.4	0.0	1.6	34.0
<i>Trilepisium madagascariensis</i>	Moraceae	SNR	17	87.5	5.4	4.3	2.9	12.6	6.0
<i>Trema orientalis</i> (L.) Blume	Ulmaceae	SNR	1	2.5	0.2	1.4	0.1	1.7	31.0
<i>Trichilia dregeana</i> Sond.	Meliaceae	SNR	1	20	1.2	1.4	3.7	6.3	14.0
<i>Trichilia preuriana</i>	Meliaceae	SNR	1	5	0.3	1.4	0.2	1.9	28.0

Legend: B=Buffer zone, P=Production zone, SNR=Strict Nature Reserve Zone, AB=Abundance, D/ha=Density per hectare, RD=Relative Density, RF= Relative Frequency, Rdom= Relative Dominance, IVI= Important Value Index, IVI R=Important Value index Rank