

Appendix F. Aboveground structural attributes of 140 trees.¹

Tree	Location	Year	Age	SE	Confirmed age (%)	Height (m)	JDBH (cm)	DTB (cm)	Crown volume (m³)	SA _{acc} (cm²)	Total dry mass (Mg)	SE	Bark volume (m³)	SE	Sapwood volume (m³)	SE	Heartwood volume (m³)	SE	Dead volume (m³)	SE	Bark area (m²)	SE	Cambium area (m²)	SE	Heartwood area (m²)	SE	Leaf dry mass (kg)	SE	Leaf area (m²)	SE	Millions of leaves	SE	Cone dry mass (kg)	SE	Thousands of cones	SE
SESE 1	BB	2009	110	10	75	47.47	86	87	1293	717	2.92	0.10	2.90	0.15	2.65	0.57	2.63	0.39	0.028	0.004	396.1	47.9	257.0	24.8	40.7	5.1	83.7	9.6	510.2	58.6	43.4	10.8				
SESE 2	PC	2011	167	5	72	65.68	120	109	3365	1335	8.77	0.16	4.51	0.14	7.86	0.84	10.75	0.86	0.167	0.015	743.5	81.0	462.6	23.5	106.7	7.9	157.1	12.9	914.4	73.5	76.2	6.6				
SESE 3	RNP	2009	190	10	46	82.20	168	156	2438	1804	30.27	0.58	22.53	0.49	14.59	0.71	45.26	1.59	0.353	0.029	1692.3	143.7	1071.1	46.1	280.9	11.2	356.9	23.8	2035.2	131.4	185.4	7.8				
SESE 4	MW	2010	200	10	85	50.35	93	92	993	589	3.83	0.08	3.24	0.13	2.59	0.38	4.79	0.54	0.115	0.007	336.6	40.5	185.5	10.3	53.0	4.4	56.3	5.1	332.9	29.8	33.8	3.5				
SESE 5	HR	2009	210	30	31	66.30	108	91	1908	826	7.63	0.14	4.51	0.15	6.03	0.69	10.12	0.88	0.069	0.005	475.1	46.9	301.9	14.8	93.9	6.3	86.9	7.4	510.0	42.3	45.5	4.3				
SESE 6	SPT	2011	230	40	90	18.10	41	41	261	176	0.67	0.03	0.59	0.04	0.43	0.11	0.75	0.15	0.056	0.005	108.9	28.4	67.5	9.0	13.7	1.8	14.8	2.4	90.9	14.5	19.6	2.7				
SESE 7	HR	2006	250	20	14	75.33	155	145	5681	2207	17.26	0.32	9.99	0.25	11.68	0.81	24.01	1.24	0.248	0.021	1282.7	126.1	805.3	37.9	197.7	10.4	271.8	19.4	1562.0	108.6	136.9	7.7				
SESE 8	LH	2011	290	30	77	41.00	98	64	901	284	2.75	0.06	2.65	0.11	1.68	0.25	3.23	0.41	0.108	0.004	330.9	38.6	181.6	10.8	39.0	4.0	67.3	6.6	399.3	38.5	33.3	5.1				
SESE 9	PC	2011	290	10	63	46.70	108	58	1053	520	3.54	0.07	2.54	0.10	2.67	0.49	4.63	0.51	0.036	0.002	227.8	32.7	132.7	7.0	47.9	3.3	30.9	3.3	186.1	19.9	24.9	3.0				
SESE 10	LH	2011	330	10	86	72.80	181	144	3835	1287	21.70	0.38	11.06	0.25	11.40	0.69	35.10	1.40	0.156	0.005	1099.7	62.9	703.3	22.6	210.9	6.7	216.5	11.3	1220.2	62.4	115.2	4.3				
SESE 11	LH	2011	332	1	92	70.00	232	180	7441	1427	27.68	0.49	13.87	0.27	13.71	0.69	44.60	1.47	0.641	0.039	1603.0	86.9	1002.0	29.2	269.4	7.4	326.8	14.0	1826.2	76.3	183.4	4.2				
SESE 12	LH	2011	336	2	72	79.28	331	198	10804	2017	47.80	0.81	17.63	0.30	20.07	0.77	86.89	1.96	0.102	0.010	1435.1	136.2	1013.1	29.5	349.1	6.9	303.2	14.9	1706.0	82.6	170.5	6.8				
SESE 13	PC	2011	340	10	70	79.15	245	218	7676	2367	44.98	0.84	28.10	0.49	25.18	1.02	67.81	1.67	1.068	0.084	1948.1	99.0	1198.3	37.8	335.1	9.1	382.3	19.2	2152.2	105.8	208.1	7.1				
SESE 14	HR	2006	350	10	28	72.80	170	166	2312	1008	18.16	0.33	10.66	0.26	11.09	0.79	27.32	1.28	0.071	0.004	1007.8	60.6	607.6	23.2	176.2	7.2	187.9	11.9	1069.5	65.9	97.3	4.8				
SESE 15	HR	2006	350	40	17	67.82	190	166	11357	2233	22.93	0.44	12.88	0.28	14.43	0.77	31.87	1.26	0.552	0.052	1807.0	193.3	1222.7	47.5	274.1	10.9	442.6	24.7	2501.3	135.5	220.2	7.9				
SESE 16	RNP	2009	360	30	79	76.83	162	142	2324	1622	17.96	0.37	15.82	0.41	9.68	0.70	24.82	1.27	0.264	0.019	859.0	61.4	556.0	19.9	188.2	7.4	165.1	9.6	934.4	53.0	86.7	3.5				
SESE 17	HR	2006	370	10	25	71.96	187	127	4105	1037	15.77	0.30	9.14	0.23	9.95	0.78	22.89	1.17	0.419	0.037	1000.4	70.4	602.8	24.7	162.7	7.5	195.1	12.8	1115.4	71.9	99.1	5.8				
SESE 18	SPT	2011	375	3	87	71.59	127	122	3035	1199	12.03	0.23	8.25	0.24	8.29	0.76	16.03	1.07	0.212	0.012	753.8	73.1	496.6	21.9	143.2	7.6	155.0	10.9	889.4	60.7	79.9	4.5				
SESE 19	LH	2011	390	60	79	44.80	98	93	733	480	4.20	0.08	2.70	0.10	2.18	0.28	6.43	0.59	0.164	0.007	275.7	33.4	151.1	8.1	57.7	3.4	41.2	4.5	244.9	26.6	26.1	3.9				
SESE 20	HR	2006	400	20	22	73.04	208	175	4070	1904	26.28	0.49	15.13	0.31	14.78	0.79	39.78	1.39	0.778	0.061	1508.5	79.5	901.3	32.6	237.5	8.5	296.1	16.6	1674.0	91.1	152.5	5.5				
SESE 21	JS	2009	410	10	65	86.10	349	217	7755	1947	55.59	1.01	29.04	0.48	20.44	0.79	97.44	2.12	0.594	0.043	2745.7	132.9	1633.4	51.4	416.4	12.6	546.3	26.3	3068.9	144.7	298.0	9.3				
SESE 22	JS	2009	450	90	49	59.96	183	118	906	517	11.24	0.23	9.72	0.27	5.70	0.52	16.19	0.95	0.229	0.015	441.5	33.9	294.8	11.7	113.3	4.9	78.8	5.7	455.0	32.5	39.4	3.3				
SESE 23	BB	2009	480	30	64	74.64	314	184	7794	2102	37.08	0.68	21.43	0.38	16.81	0.77	61.09	1.58	0.361	0.024	1835.2	161.7	1068.2	44.3	290.3	8.7	350.3	24.2	2007.8	138.7	208.4	15.0				
SESE 24	MW	2010	500	30	70	89.40	179	163	4142	1382	21.91	0.42	16.34	0.39	12.78	0.99	31.41	1.48	0.320	0.021	1018.4	95.1	635.7	28.6	200.4	8.9	191.6	14.9	1107.8	84.2	104.3	7.4				
SESE 25	HR	2006	520	30	32	95.20	192	172	4115	1514	30.40	0.52	11.84	0.26	16.77	0.97	50.75	1.86	0.259	0.020	1511.5	94.4	919.4	32.7	281.4	9.0	281.0	16.4	1590.2	90.9	157.6	6.6				
SESE 26	HR	2006	570	40	18	90.70	231	192	5882	2649	43.34	0.77	16.32	0.30	20.81	0.93	75.37	2.01	1.282	0.101	1668.6	76.4	1022.0	30.4	329.9	8.6	299.8	14.8	1686.8	81.2	168.2	5.3				
SESE 27	BB	2009	620	10	62	90.22	335	226	18314	3403	74.31	1.28	29.27	0.44	30.98	0.99	132.86	2.45	0.516	0.035	3047.8	227.9	1905.3	62.6	545.8	14.7	612.2	31.4	3446.0	174.9	364.1	13.3				
SESE 28	SPT	2011	700	30	33	90.59	298	248	7502	3390	60.84	1.13	35.67	0.60	34.23	1.56	94.10	2.17	1.569	0.076	2245.2	182.0	1352.1	57.8	398.1	13.2	422.1	30.6	2432.2	173.7	236.4	16.6				
SESE 29	HR	2006	720	60	37	94.06	305	211	4802	2481	60.58	1.02	22.61	0.36	26.47	0.97	110.12	2.27	0.046	0.001	1823.8	88.2	1109.8	31.6	398.7	8.4	314.5	16.5	1768.9	92.8	181.9	8.5				
SESE 30	SPT	2011	730	30	60	81.87	279	212	11197	2684	51.00	0.95	26.51	0.44	23.11	0.91	85.30	1.96	1.202	0.058	1802.6	122.1	1190.5	39.9	393.5	11.5	360.1	19.5	2032.0	106.6	196.0	6.1				
SESE 31	RNP	2009	730	60	68	83.05	173	145	2161	1012	20.31	0.37	11.28	0.27	9.68	0.70	33.82	1.51	0.220	0.010	875.0	59.5	531.6	20.9	191.9	7.5	149.9	10.7	864.0	60.5	78.4	5.8				
SESE 32	HR	2006	740	40	28	96.20	308	219	10125	3093	63.43	1.12	26.39	0.42	30.05	1.04	109.35	2.33	0.969	0.084	2419.2	186.1	1531.3	54.4	464.3	13.0	471.0	27.7	2674.1	154.1	266.2	11.2				
SESE 33	PC	2011	790	70	83	94.26	253	219	11576	2293	48.73	0.92	35.82	0.68	23.74	1.03	75.84	2.02	0.280	0.014	1805.8	245.1	1022.9	51.9	333.6	10.0	273.5	27.3	1624.0	162.0	210.4	22.9				
SESE 34	PC	2011	820	30	98	103.95	348	307	14206	4461	126.64	2.31	75.56	1.11	54.46	1.53	211.93	3.37	1.876	0.064	5186.7	667.6	2788.2	149.1	739.8	23.3	852.7	87.3	5039.6	516.3	599.7	73.6				
SESE 35	HR	2011	840	30	92	88.91	196	185	4410	2189	31.77	0.55	13.95	0.29	18.64	1.02	52.34	1.76	0.297	0.020	946.9	83.5	579.6	24.3	239.8	6.4	154.6	14.3	903.0	84.6	93.3	12.3				
SESE 36	JS	2010	940	40	52	69.80	325	267	6796	3184	76.15	1.36	36.53	0.42	27.82	0.57	136.67	2.09	1.436	0.079	2432.4	246.8	1415.2	59.2	490.9	11.4	408.9	32.4	2360.0	187.6	265.5	22.1				
SESE 37	JS	2010	940	40	52	98.45	413	313	9517	2849	128.70	2.23	51.32	0.66	38.68	1.37	244.37	3.42	2.043	0.123	3976.8	318.3	2259.9	83.5	714.8	14.8	695.3	45.9	3966.9	263.2	442.2	29.3				
SESE 38	HR	2006	960	60	25	94.55	308	222	8354	359																										

Appendix F. Continued.

Tree	Location	Year	Age	SE	Confirmed age (%)	Height (m)	JDBH (cm)	DTB (cm)	Crown volume (m ³)	S _{A_{WC}} (cm ²)	Total dry mass (Mg)	SE	Bark volume (m ³)	SE	Sapwood volume (m ³)	SE	Heartwood volume (m ³)	SE	Dead volume (m ³)	SE	Bark area (m ²)	SE	Cambium area (m ²)	SE	Heartwood area (m ²)	SE	Leaf dry mass (kg)	SE	Leaf area (m ²)	SE	Millions of leaves	SE	Cone dry mass (kg)	SE	Thousands of cones	SE	
SESE 70	JS	2009	750	10	73	102.45	385	297	10302	2982	115.77	2.35	45.06	1.31	36.06	1.68	218.56	4.10	1.808	0.134	3111.5	305.5	1910.6	112.7	638.7	23.6	579.9	54.6	3260.1	306.3	333.8	29.5					
SESE 71	HR	2007	1000		0	108.70	360	292	8379		129.65	2.68	51.65	2.39	42.32	1.62	244.45	5.82	2.182	0.157	3218.6	323.8	1962.0	120.3	680.3	26.7	583.2	57.3	3277.8	321.3	338.6	31.1					
SESE 72	PC	2001	900		0	95.50	405	306	11592		143.32	2.91	56.52	2.45	45.22	1.72	271.26	6.29	2.577	0.179	3678.9	343.5	2233.1	122.7	729.1	27.6	674.1	59.8	3800.6	335.9	396.1	32.8					
SESE 73	PC	2001	900		0	91.60	429	325	18682		152.36	3.95	69.59	5.84	52.47	2.06	274.48	9.46	4.149	0.345	4827.5	521.7	2823.5	195.7	881.9	48.5	877.1	94.3	5041.5	535.6	550.0	53.6					
SESE 74	RNP	2009	1930	60	48	105.80	390	320	10484		157.67	3.53	65.14	4.08	52.01	1.99	293.26	8.14	3.868	0.283	3934.6	356.7	2338.4	123.8	863.7	39.1	698.1	60.3	3966.6	340.6	424.0	33.7					
SESE 75	RNP	2008	2000		0	106.78	415	333	9744		163.95	4.10	69.26	5.94	55.30	2.17	302.32	10.05	4.505	0.359	4489.8	477.9	2574.8	176.3	929.5	50.5	761.7	82.7	4392.9	470.7	489.9	47.7					
SESE 76	PC	2001	1100		0	97.50	434	339	19638		168.30	3.90	71.47	4.43	54.00	2.07	311.23	8.71	4.193	0.317	5111.6	537.1	2998.9	199.5	898.9	41.5	928.9	96.6	5327.7	548.1	580.1	54.7					
SESE 77	PC	2008	1000		0	97.95	416	346	12104		170.50	3.40	63.55	2.63	50.73	1.90	327.81	7.37	3.395	0.225	4119.5	377.7	2481.2	132.8	825.5	29.9	743.6	64.6	4199.2	363.2	442.8	35.8					
SESE 78	RNP	2012	920	50	48	113.08	444	336	13741	5607	175.61	3.38	68.17	1.63	55.56	2.35	333.49	6.14	3.754	0.243	4790.2	451.5	2805.2	158.5	899.0	32.4	843.3	76.9	4822.2	435.9	526.2	43.8					
SESE 79	JS	2002	1400		0	76.60	546	379	12221		218.49	7.50	97.89	16.17	76.10	3.26	393.39	21.10	8.396	0.794	5407.4	617.3	3060.5	233.2	1336.9	114.1	908.3	108.3	5267.1	617.3	597.9	63.1					
SESE 80	RNP	2013	2040	150	44	114.82	470	395	19710	4567	227.32	5.03	121.47	3.03	51.82	2.62	428.24	7.98	5.010	0.338	5173.9	508.8	3155.0	187.2	1000.5	37.6	963.6	91.2	5415.9	511.3	566.6	49.8					
SESE 81	HR	2003	1600		0	112.53	461	361	5528		227.91	4.90	71.88	3.51	59.36	2.18	456.28	10.43	4.960	0.356	4397.6	503.5	2609.3	194.5	991.4	36.4	740.8	88.3	4174.6	495.5	449.5	49.4					
SESE 82	PC	2001	1200		0	97.20	523	386	13564		232.24	4.80	81.04	4.08	63.62	2.41	454.00	10.74	5.813	0.388	5639.7	562.6	3259.0	201.8	1077.0	43.7	965.0	95.7	5535.2	543.4	615.6	55.2					
SESE 83	HR	2003	1500		0	110.80	507	377	6930		238.87	5.07	74.47	3.62	60.82	2.23	479.69	10.92	5.294	0.373	4583.9	506.2	2726.8	192.8	1022.9	37.3	779.6	88.1	4391.0	494.1	471.8	49.4					
SESE 84	PC	2001	1400		0	90.10	569	396	14639		244.87	5.14	84.70	4.61	65.98	2.52	479.83	11.64	6.316	0.426	5470.8	500.8	3216.1	173.2	1126.3	47.8	956.6	83.8	5445.6	473.6	594.1	47.8					
SESE 85	other	2012	1400		0	97.60	546	395	21203		256.77	8.95	114.17	19.48	85.60	3.73	464.43	25.29	10.197	0.963	7262.8	936.6	4049.0	369.0	1522.5	135.9	1229.0	170.1	7187.0	971.3	831.0	99.8					
SESE 86	PC	2001	1300		0	97.40	548	383	19462		260.75	6.27	95.91	8.25	72.75	2.91	502.54	15.37	7.690	0.578	6592.9	700.2	3783.9	258.1	1264.1	70.8	1140.7	122.5	6574.8	696.9	737.6	70.9					
SESE 87	PC	2001	1400		0	95.70	602	444	16432		262.31	5.24	85.84	3.83	66.20	2.46	521.68	11.65	6.475	0.417	5887.0	538.8	3456.1	186.3	1136.1	42.5	1030.8	90.3	5871.0	510.7	642.4	51.6					
SESE 88	RNP	2012	2510	110	67	96.40	632	439	8862	4243	263.13	5.39	123.21	3.84	44.66	3.00	516.18	9.68	6.657	0.450	5211.1	539.3	2482.6	149.2	1079.1	41.8	727.4	70.4	4143.4	397.8	450.1	39.7					
SESE 89	JS	2003	1500		0	97.90	663	429	16244		281.38	5.84	91.57	4.89	70.37	2.68	560.12	13.24	7.421	0.492	6403.3	630.8	3702.3	224.8	1226.7	51.4	1098.1	107.0	6292.3	607.1	701.3	61.8					
SESE 90	PC	2003	1700		0	91.70	531	471	13634		318.08	9.80	120.69	18.59	92.67	4.00	605.36	26.77	11.833	1.034	7004.4	824.4	3928.6	314.2	1677.6	136.0	1150.2	144.3	6675.9	822.0	770.4	84.6					
SESE 91	PC	2011	1210	120	42	91.20	681	379	25846	5901	347.01	9.48	122.06	8.52	125.65	8.22	650.28	14.45	13.212	1.149	8082.7	911.6	4607.3	344.3	1415.2	64.5	1398.9	162.5	8087.2	925.2	916.4	94.2					
SESE 92	PC	2002	1700		0	101.30	487	474	11738		350.79	7.49	101.01	5.81	77.68	2.97	717.36	16.77	9.767	0.662	6504.1	661.4	3777.1	239.4	1424.2	61.0	1089.4	110.9	6200.5	625.8	690.4	64.2					
SESE 93	HR	2007	1930	40	43	102.50	650	452	12388	4129	354.66	7.22	120.70	4.96	35.99	3.46	745.04	14.10	8.508	0.597	5875.6	626.7	3534.2	235.3	1318.6	52.6	1021.1	107.9	5714.4	601.9	610.8	61.0					
SESE 94	PC	2000	2000		0	80.20	678	475	16415		369.48	8.26	110.67	8.39	83.13	3.32	749.52	19.61	11.032	0.771	7302.3	729.6	4206.2	261.0	1544.2	78.9	1232.8	122.8	7057.5	695.9	793.2	71.4					
SESE 95	JS	1999	1700		0	98.70	633	458	18419		372.23	10.04	125.61	15.83	93.93	3.99	733.21	26.25	12.861	1.027	7615.6	801.4	4347.7	293.1	1744.9	123.7	1285.0	137.5	7396.5	781.9	838.8	80.2					
SESE 96	JS	1999	2300		0	93.50	680	478	19276		410.49	10.82	131.59	16.31	97.21	4.15	819.31	28.12	14.190	1.111	8217.7	881.4	4672.4	324.6	1849.3	129.3	1377.0	151.6	7935.3	861.9	905.4	88.6					
SESE 97	PC	2001	1800		0	91.50	667	464	25924	7375	424.82	13.01	150.59	24.46	109.39	4.87	826.22	35.82	16.450	1.409	9838.2	1239.3	5467.4	483.7	2085.9	177.9	1636.2	222.5	9549.1	1269.6	1115.6	130.9					

SEGI 1	MH	2012	39	1	95	24.25	50	49	84	798	0.69	0.03	0.67	0.03	1.15	0.07	0.15	0.04	0.000	0.000	500.8	23.7	140.3	5.2	4.2	1.4	68.7	4.2	274.8	16.2	59.9	2.6	0.0	0.0	0.0	0.0
SEGI 2	WF	2007	70	10	63	41.29	128	111	951	2058	5.04	0.21	4.42	0.10	5.23	0.19	4.36	0.20	0.027	0.003	2159.0	66.7	657.6	19.7	48.8	4.4	296.7	11.5	1150.0	45.2	287.8	12.0	26.3	0.0	0.9	0.0
SEGI 3	WF	2007	80	3	49	40.95	127	122	938	2225	6.78	0.25	5.17	0.09	7.00	0.18	6.75	0.22	0.133	0.014	2217.2	62.3	710.8	22.2	68.8	3.5	302.5	10.6	1155.2	42.6	305.9	14.0	12.0	0.0	1.0	0.0
SEGI 4	WF	2005	110	10	98	63.40	146	117	1057	2710	9.61	0.39	7.72	0.13	9.84	0.26	11.40	0.37	0.021	0.004	1883.1	48.4	630.9	16.7	88.3	4.7	248.3	8.3	954.2	32						