

Appendix A

Table A.1-1. Growths and biomass of teak in five plots in the 22-year-old plantation

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	1	Teak	44	14	94.42	29.66	10.14	12.03	146.26
	2	Teak	56	12	130.01	40.35	13.01	15.52	198.89
	3	Teak	31	10.5	36.05	11.75	4.79	5.59	58.18
	4	Teak	80	23	491.22	144.93	36.66	44.65	717.46
	5	Teak	38	13	66.01	21.02	7.67	9.05	103.75
	6	Teak	77	22	436.62	129.4	33.45	40.66	640.13
	7	Teak	63	21	282.19	85.03	23.8	28.74	419.76
	8	Teak	50	9	78.75	24.91	8.81	10.42	122.89
	9	Teak	56	13	140.56	43.49	13.83	16.51	214.39
	10	Teak	62	14	184.24	56.42	17.08	20.47	278.21
	11	Teak	31	10	34.37	11.22	4.62	5.39	55.59
	12	Teak	40	10	56.49	18.1	6.8	8	89.38
	13	Teak	21	3	4.98	1.75	1.02	1.16	8.91
	14	Teak	58	23	262.45	79.3	22.5	27.13	391.37
	15	Teak	50	18	154.76	47.71	14.91	17.82	235.2
	16	Teak	19	5	6.74	2.34	1.3	1.47	11.85
	17	Teak	66	23	337.62	101.04	27.37	33.14	499.18
	18	Teak	51	20	178.24	54.66	16.64	19.94	269.48
	19	Teak	60	25	304.12	91.38	25.23	30.5	451.22
	20	Teak	73	29	515.08	151.69	38.04	46.37	751.19
	21	Teak	39	12	64.23	20.47	7.51	8.86	101.07
	22	Teak	42	13	80.23	25.36	8.93	10.57	125.09
	23	Teak	50	15	129.56	40.21	12.98	15.47	198.23
	24	Teak	40	11.5	64.73	20.63	7.56	8.91	101.83
	25	Teak	72	23	400.02	118.95	31.24	37.93	588.14
	26	Teak	84	20	471.44	139.31	35.51	43.22	689.47
	27	Teak	54	15	150.53	46.46	14.59	17.43	229.01
	28	Teak	81	23	503.26	148.34	37.36	45.52	734.48
	29	Teak	49	19	156.83	48.33	15.06	18.01	238.23
	30	Teak	40	17.5	97.46	30.58	10.4	12.34	150.78
	31	Teak	66	20	294.63	88.63	24.62	29.74	437.62
	32	Teak	46	18	131.54	40.81	13.13	15.66	201.14
	33	Teak	52	19	176.09	54.02	16.48	19.75	266.35
	34	Teak	44	14	94.42	29.66	10.14	12.03	146.26
	35	Teak	55	18	186.35	57.05	17.23	20.66	281.29
	36	Teak	57	18	199.79	61	18.19	21.84	300.81
	37	Teak	50	16	137.98	42.72	13.63	16.27	210.6
	38	Teak	68	16	251.24	76.04	21.74	26.2	375.23
	39	Teak	70	15	249.64	75.57	21.64	26.07	372.92
	40	Teak	33	11	42.61	13.8	5.46	6.39	68.25
	41	Teak	63	12	163.56	50.32	15.56	18.62	248.07
	42	Teak	43	10	65.04	20.72	7.59	8.95	102.3
	43	Teak	35	10	43.54	14.09	5.55	6.5	69.68
	44	Teak	28	6	17.13	5.74	2.68	3.1	28.66
	45	Teak	41	11	65.04	20.73	7.59	8.95	102.3
	46	Teak	33	6	23.6	7.82	3.44	3.99	38.85
	47	Teak	40	10	56.49	18.1	6.8	8	89.38
	48	Teak	46	13	95.79	30.08	10.26	12.17	148.3
	49	Teak	70	23	378.65	112.83	29.93	36.31	557.72
	50	Teak	97	24	745.42	216.46	50.74	62.21	1,074.84
	51	Teak	54	12	121.11	37.69	12.31	14.67	185.78
	52	Teak	24	8	16.79	5.63	2.64	3.05	28.11
	53	Teak	36	8	37.01	12.05	4.89	5.71	59.66
	54	Teak	62	15	197.05	60.19	17.99	21.6	296.84
	55	Teak	52	13	121.65	37.85	12.36	14.72	186.58
	56	Teak	55	16	166.14	51.08	15.75	18.86	251.84
		Mean	51.7	15.2	178.42	54.03	15.66	18.84	266.95
		S.D.	16.6	5.7	157.06	45.84	10.9	13.35	227.05
		C.V.	32	37.6	88.03	84.84	69.56	70.9	85.05
2	1	Teak	63	14.3	194.04	59.31	17.78	21.34	292.47
	2	Teak	97	15	471.49	139.32	35.51	43.22	689.54
	3	Teak	62	13.5	177.82	54.53	16.61	19.9	268.87
	4	Teak	64	14.5	202.82	61.89	18.4	22.1	305.21
	5	Teak	36	10.5	48.24	15.55	6.01	7.05	76.85
	6	Teak	29	8.5	25.76	8.5	3.69	4.28	42.23

Table A.1-1. (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	7	Teak	62	15	197.05	60.19	17.99	21.6	296.84
	8	Teak	54	14	140.74	43.55	13.84	16.53	214.66
	9	Teak	70	15.5	257.75	77.93	22.18	26.74	384.6
	10	Teak	75	14.5	276.29	83.32	23.42	28.26	411.29
	11	Teak	85	14.5	352.64	105.36	28.32	34.31	520.62
	12	Teak	57	15	167.26	51.41	15.84	18.96	253.47
	13	Teak	54	14.5	145.64	45	14.22	16.98	221.85
	14	Teak	28	4	11.54	3.93	1.97	2.26	19.7
	15	Teak	93	15.4	445.61	131.96	33.98	41.32	652.88
	16	Teak	68	14.3	225.19	68.44	19.97	24.02	337.61
	17	Teak	64	13.5	189.17	57.88	17.43	20.91	285.39
	18	Teak	62	10.5	139.19	43.09	13.72	16.38	212.38
	19	Teak	50	13.7	118.61	36.94	12.12	14.42	182.09
	20	Teak	74	15	278.2	83.87	23.54	28.41	414.03
	21	Teak	58	10.5	122.22	38.02	12.4	14.77	187.42
	22	Teak	76	14.5	283.52	85.42	23.89	28.84	421.67
	23	Teak	110	15.8	633.76	185.18	44.71	54.68	918.34
	24	Teak	57	14.6	162.92	50.13	15.51	18.57	247.12
	25	Teak	26	8.5	20.82	6.93	3.12	3.62	34.49
	26	Teak	54	12.5	126.03	39.16	12.7	15.14	193.02
	27	Teak	53	13.4	130.04	40.36	13.02	15.52	198.93
	28	Teak	86	15	372.89	111.17	29.58	35.87	549.5
	29	Teak	87	15.5	393.77	117.16	30.86	37.45	579.24
	30	Teak	68	14	220.59	67.09	19.65	23.62	330.95
	31	Teak	96	14.3	441.03	130.65	33.71	40.99	646.38
	32	Teak	46	12.1	89.32	28.12	9.71	11.51	138.67
	33	Teak	75	15.2	289.29	87.09	24.27	29.31	429.95
	34	Teak	53	14	135.71	42.05	13.46	16.05	207.27
	35	Teak	65	15.5	223.08	67.82	19.82	23.84	334.56
	36	Teak	79	15.8	332.43	99.55	27.05	32.74	491.76
	37	Teak	76	13.5	264.45	79.88	22.63	27.29	394.25
	38	Teak	45	12	84.89	26.78	9.34	11.06	132.05
	39	Teak	112	16.5	684.75	199.48	47.49	58.15	989.87
	40	Teak	105	16	585.96	171.72	42.06	51.38	851.13
	41	Teak	66	15.8	234.15	71.06	20.58	24.77	350.57
	42	Teak	28	6.5	18.52	6.19	2.85	3.29	30.86
	43	Teak	85	15	364.48	108.76	29.06	35.22	537.52
	44	Teak	33	8.5	33.14	10.83	4.49	5.23	53.69
	45	Teak	68	15	235.93	71.58	20.7	24.92	353.13
	46	Teak	75	15.8	300.41	90.3	24.99	30.2	445.91
	47	Teak	81	15.5	342.57	102.47	27.69	33.53	506.25
	48	Teak	92	15.8	447.36	132.46	34.09	41.45	655.36
	49	Teak	86	15.2	377.73	112.56	29.88	36.24	556.41
	50	Teak	80	15.8	340.68	101.92	27.57	33.38	503.55
	51	Teak	75	15.5	294.85	88.7	24.63	29.76	437.93
	52	Teak	67	14	214.31	65.26	19.21	23.09	321.86
	53	Teak	107	16.2	615.32	179.99	43.7	53.41	892.42
	54	Teak	80	16	344.88	103.13	27.83	33.71	509.55
	55	Teak	102	16.5	570.63	167.4	41.2	50.31	829.54
	56	Teak	65	13.5	194.98	59.58	17.85	21.42	293.83
	57	Teak	43	10	65.04	20.72	7.59	8.95	102.3
	58	Teak	60	13.2	163.2	50.21	15.54	18.59	247.54
	59	Teak	66	15	222.59	67.68	19.79	23.8	333.85
	60	Teak	104	13.5	487.37	143.83	36.44	44.38	712.02
	61	Teak	46	15.7	115.13	35.9	11.84	14.09	176.96
	62	Teak	74	10.5	196.51	60.04	17.96	21.55	296.05
	63	Teak	76	14	273.99	82.65	23.26	28.07	407.97
	64	Teak	74	14.5	269.16	81.25	22.94	27.68	401.03
	65	Teak	82	15	339.83	101.68	27.51	33.31	502.33
	66	Teak	60	15.5	190.86	58.37	17.55	21.06	287.83
	67	Teak	31	14	47.71	15.38	5.96	6.99	76.04
	68	Teak	53	6.5	64.25	20.48	7.51	8.86	101.1
	69	Teak	28	14.2	39.67	12.88	5.16	6.04	63.75
	70	Teak	93	10.5	306.8	92.15	25.41	30.71	455.07
	71	Teak	76	15.4	300.66	90.38	25.01	30.22	446.27
	72	Teak	54	12	121.11	37.69	12.31	14.67	185.78
	73	Teak	76	14	273.99	82.65	23.26	28.07	407.97
	74	Teak	62	13.2	173.97	53.4	16.33	19.56	263.26

Table A.1-1. (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	75	Teak	46	12.5	92.2	28.99	9.96	11.81	142.95
	76	Teak	57	13.4	149.85	46.25	14.54	17.37	228.01
	77	Teak	6	14	1.94	0.71	0.49	0.55	3.69
	78	Teak	65	13.5	194.98	59.58	17.85	21.42	293.83
		Mean	66.6	13.7	239.53	72.06	20.15	24.32	356.07
		S.D.	21.7	2.5	154.64	45.01	10.56	12.96	223.07
		C.V.	32.5	18.1	64.56	62.47	52.39	53.28	62.65
3	1	Teak	103	15.3	540.33	158.84	39.49	48.17	786.82
	2	Teak	73	13.5	244.48	74.07	21.29	25.64	365.48
	3	Teak	92	15.1	428.04	126.95	32.93	40.02	627.94
	4	Teak	50	12.5	108.47	33.9	11.3	13.44	167.1
	5	Teak	116	15.8	702.89	204.56	48.47	59.37	1,015.30
	6	Teak	71	13.7	234.94	71.29	20.64	24.84	351.7
	7	Teak	77	14	281.06	84.7	23.73	28.64	418.14
	8	Teak	71	12.5	214.86	65.42	19.25	23.14	322.66
	9	Teak	41	8.5	50.59	16.28	6.24	7.33	80.43
	10	Teak	29	8	24.28	8.03	3.52	4.09	39.92
	11	Teak	60	13.7	169.22	51.99	15.98	19.13	256.33
	12	Teak	90	15.6	423.31	125.6	32.65	39.67	621.24
	13	Teak	52	14	130.76	40.57	13.07	15.59	200
	14	Teak	49	12.5	104.28	32.64	10.96	13.02	160.9
	15	Teak	51	13.5	121.52	37.81	12.35	14.71	186.38
	16	Teak	84	15	356.17	106.37	28.54	34.58	525.66
	17	Teak	57	14.2	158.56	48.84	15.19	18.17	240.76
	18	Teak	79	13.5	285.18	85.9	24	28.98	424.05
	19	Teak	56	13.5	145.82	45.06	14.23	17	222.11
	20	Teak	64	13.8	193.27	59.08	17.72	21.27	291.34
	21	Teak	43	12.1	78.32	24.78	8.77	10.37	122.24
	22	Teak	92	14	397.62	118.26	31.09	37.74	584.71
	23	Teak	101	14.6	496.86	146.53	36.99	45.06	725.44
	24	Teak	56	12.5	135.29	41.92	13.42	16.02	206.65
	25	Teak	47	12	92.4	29.05	9.97	11.83	143.25
	26	Teak	42	11.5	71.19	22.61	8.14	9.61	111.55
	27	Teak	70	14.5	241.53	73.21	21.09	25.39	361.22
	28	Teak	63	12	163.56	50.32	15.56	18.62	248.07
	29	Teak	33	11.5	44.49	14.38	5.64	6.61	71.13
	30	Teak	51	11.3	102.18	32	10.79	12.81	157.78
	31	Teak	85	14.2	345.52	103.31	27.87	33.76	510.47
	32	Teak	37	11.5	55.61	17.82	6.71	7.9	88.04
	33	Teak	71	14.5	248.3	75.18	21.55	25.96	370.98
	34	Teak	59	13.5	161.44	49.69	15.4	18.43	244.96
	35	Teak	109	15.5	611.06	178.79	43.46	53.12	886.43
	36	Teak	44	12.3	83.23	26.27	9.19	10.88	129.58
	37	Teak	70	14.6	243.15	73.68	21.2	25.53	363.56
	38	Teak	82	14.5	328.78	98.49	26.81	32.45	486.54
	39	Teak	68	14	220.59	67.09	19.65	23.62	330.95
	40	Teak	44	12.5	84.55	26.67	9.31	11.02	131.55
	41	Teak	64	13.5	189.17	57.88	17.43	20.91	285.39
	42	Teak	47	12.5	96.15	30.18	10.29	12.21	148.82
	43	Teak	102	15	520.02	153.09	38.33	46.72	758.15
	44	Teak	53	13.3	129.09	40.07	12.94	15.43	197.54
	45	Teak	67	12.5	191.9	58.68	17.63	21.15	289.35
	46	Teak	37	11	53.25	17.1	6.49	7.63	84.47
	47	Teak	102	13.5	469.27	138.69	35.38	43.06	686.4
	48	Teak	90	14	380.94	113.48	30.07	36.48	560.98
	49	Teak	77	15	300.61	90.36	25.01	30.22	446.19
	50	Teak	64	14.5	202.82	61.89	18.4	22.1	305.21
	51	Teak	98	15	481.01	142.02	36.07	43.91	703.01
	52	Teak	44	9	61.38	19.6	7.25	8.54	96.78
	53	Teak	66	14.5	215.36	65.56	19.28	23.18	323.38
	54	Teak	54	14	140.74	43.55	13.84	16.53	214.66
	55	Teak	91	15	416.31	123.6	32.23	39.15	611.29
	56	Teak	54	14	140.74	43.55	13.84	16.53	214.66
	57	Teak	86	14.5	360.77	107.7	28.83	34.94	532.22
	58	Teak	65	14	202.01	61.65	18.35	22.03	304.04
	59	Teak	53	13.5	130.98	40.64	13.09	15.61	200.32
	60	Teak	45	13	91.78	28.86	9.92	11.76	142.32
	61	Teak	74	13.5	251.05	75.98	21.73	26.18	374.95

Table A.1-1. (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	62	Teak	88	14.5	377.3	112.44	29.85	36.2	555.79
	63	Teak	79	14	295.46	88.87	24.67	29.81	438.82
	64	Teak	76	14	273.99	82.65	23.26	28.07	407.97
	65	Teak	42	12.5	77.22	24.44	8.67	10.25	120.59
	66	Teak	66	15	222.59	67.68	19.79	23.8	333.85
	67	Teak	72	15.1	265.45	80.17	22.7	27.37	395.69
	68	Teak	57	13	145.49	44.96	14.21	16.97	221.62
	69	Teak	67	14.5	221.76	67.44	19.73	23.73	332.65
	70	Teak	88	15.3	397.58	118.25	31.09	37.74	584.65
	71	Teak	61	14.2	180.98	55.46	16.84	20.18	273.46
	72	Teak	56	12.5	135.29	41.92	13.42	16.02	206.65
	73	Teak	32	11.5	41.9	13.58	5.39	6.31	67.17
	74	Teak	43	12.1	78.32	24.78	8.77	10.37	122.24
	75	Teak	57	13.5	150.94	46.58	14.62	17.47	229.61
	76	Teak	46	12.5	92.2	28.99	9.96	11.81	142.95
	77	Teak	44	10.5	71.34	22.65	8.15	9.63	111.76
		Mean	65.4	13.4	223.08	67.31	19.11	23.03	332.53
		S.D.	20.2	1.6	148.06	43.05	10	12.28	213.34
		C.V.	30.9	11.6	66.37	63.96	52.31	53.33	64.16
4	1	Teak	86	23	565.59	165.97	40.92	49.95	822.43
	2	Teak	58	19	217.86	66.3	19.46	23.39	327.01
	3	Teak	68	21.5	335.08	100.31	27.21	32.94	495.55
	4	Teak	59	18.5	219.46	66.77	19.57	23.53	329.33
	5	Teak	51	15	134.66	41.74	13.38	15.96	205.73
	6	Teak	93	22	630.85	184.36	44.55	54.48	914.24
	7	Teak	66	20.5	301.8	90.71	25.08	30.31	447.91
	8	Teak	96	22.5	685.98	199.83	47.56	58.24	991.61
	9	Teak	90	23.2	623.23	182.21	44.13	53.96	903.54
	10	Teak	51	18	160.85	49.52	15.36	18.38	244.1
	11	Teak	67	20	303.39	91.17	25.19	30.44	450.18
	12	Teak	72	20.5	357.59	106.78	28.63	34.69	527.69
	13	Teak	101	23	773.74	224.36	52.24	64.09	1,114.43
	14	Teak	67	21	318.17	95.43	26.14	31.61	471.35
	15	Teak	56	20	213.89	65.13	19.18	23.05	321.25
	16	Teak	64	21.5	297.74	89.53	24.82	29.99	442.08
	17	Teak	64	22	304.48	91.48	25.26	30.53	451.75
	18	Teak	68	21.6	336.6	100.75	27.31	33.06	497.72
	19	Teak	92	22.5	631.37	184.5	44.58	54.52	914.98
	20	Teak	47	18.5	140.89	43.59	13.85	16.54	214.87
	21	Teak	58	20.2	231.26	70.21	20.38	24.53	346.39
	22	Teak	60	20	244.68	74.13	21.3	25.65	365.76
	23	Teak	57	19	210.6	64.17	18.95	22.77	316.49
	24	Teak	106	23	850.16	245.64	56.21	69.07	1,221.08
	25	Teak	104	20.5	732.27	212.78	50.04	61.34	1,056.43
	26	Teak	59	18.5	219.46	66.77	19.57	23.53	329.33
	27	Teak	71	20.5	347.97	104.02	28.03	33.95	513.96
	28	Teak	69	21.2	340.07	101.74	27.53	33.33	502.67
	29	Teak	91	22.5	618.07	180.76	43.85	53.6	896.28
	30	Teak	96	23	700.84	203.99	48.36	59.24	1,012.42
	31	Teak	52	18.5	171.57	52.69	16.15	19.35	259.76
	32	Teak	39	17	90.18	28.38	9.79	11.6	139.95
	33	Teak	75	20.5	387.2	115.28	30.46	36.96	569.89
	34	Teak	44	18	120.63	37.54	12.28	14.62	185.06
	35	Teak	58	20	229.03	69.56	20.23	24.34	343.16
	36	Teak	68	22	342.68	102.5	27.69	33.54	506.4
	37	Teak	82	22.5	504.52	148.7	37.43	45.61	736.26
	38	Teak	46	19	138.66	42.93	13.68	16.33	211.6
	39	Teak	89	21	553.38	162.52	40.23	49.09	805.22
	40	Teak	90	21.5	578.68	169.67	41.66	50.87	840.87
	41	Teak	81	21.2	464.84	137.43	35.12	42.74	680.12
	42	Teak	74	22	404.08	120.1	31.49	38.23	593.9
	43	Teak	70	22.2	365.81	109.14	29.14	35.32	539.41
	44	Teak	70	20.5	338.48	101.29	27.43	33.21	500.41
	45	Teak	48	17	135.18	41.89	13.41	16	206.49
	46	Teak	68	21.5	335.08	100.31	27.21	32.94	495.55
	47	Teak	91	22	604.68	176.99	43.11	52.68	877.45
	48	Teak	38	15	75.89	24.04	8.55	10.11	118.59
	49	Teak	55	18.3	189.38	57.94	17.45	20.93	285.69

Table A.1-1. (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	50	Teak	93	20.5	588.89	172.55	42.23	51.58	855.25
	51	Teak	49	18.5	152.81	47.13	14.76	17.64	232.35
	52	Teak	116	22	970.51	279	62.32	76.74	1,388.58
	53	Teak	94	21.3	624.16	182.47	44.18	54.02	904.84
	54	Teak	87	20.5	517.11	152.26	38.16	46.52	754.05
	55	Teak	31	13.5	46.05	14.87	5.8	6.8	73.51
	56	Teak	82	21.5	482.65	142.49	36.16	44.03	705.34
	57	Teak	87	20.5	517.11	152.26	38.16	46.52	754.05
	58	Teak	84	21.5	505.86	149.08	37.51	45.71	738.16
	59	Teak	37	18.4	87.92	27.69	9.59	11.37	136.57
	60	Teak	61	19.2	242.83	73.59	21.17	25.5	363.1
	61	Teak	81	20	439.17	130.12	33.6	40.85	643.75
	62	Teak	96	20.5	626.49	183.13	44.31	54.18	908.11
	63	Teak	70	19.5	322.38	96.65	26.41	31.95	477.38
	64	Teak	77	19	378.49	112.78	29.92	36.29	557.49
	65	Teak	53	18.3	176.19	54.05	16.49	19.76	266.49
	66	Teak	93	21.5	616.87	180.43	43.78	53.52	894.6
	67	Teak	78	20.5	417.97	124.07	32.33	39.27	613.64
	68	Teak	53	18.5	178.06	54.6	16.63	19.93	269.22
	69	Teak	115	22.5	975.4	280.36	62.57	77.05	1,395.37
	70	Teak	48	19	150.65	46.49	14.6	17.45	229.19
	71	Teak	63	20	269.09	81.23	22.94	27.67	400.92
	72	Teak	65	20.5	292.95	88.15	24.51	29.6	435.22
	73	Teak	109	22.5	878.66	253.56	57.68	70.91	1,260.80
	74	Teak	65	20.5	292.95	88.15	24.51	29.6	435.22
	75	Teak	62	20	260.82	78.83	22.39	26.99	389.03
	76	Teak	81	20.5	449.87	133.17	34.23	41.64	658.92
	77	Teak	82	21	471.71	139.38	35.52	43.24	689.85
	78	Teak	56	18.5	198.24	60.54	18.08	21.7	298.56
	79	Teak	71	20.5	347.97	104.02	28.03	33.95	513.96
	80	Teak	96	22	671.12	195.66	46.75	57.23	970.77
	81	Teak	74	20	368.23	109.84	29.29	35.51	542.87
	82	Teak	84	20.5	482.92	142.57	36.18	44.05	705.72
	83	Teak	41	18	105.11	32.89	11.03	13.1	162.13
	84	Teak	89	21	553.38	162.52	40.23	49.09	805.22
	85	Teak	51	19.5	173.9	53.37	16.32	19.55	263.15
	86	Teak	72	20.5	357.59	106.78	28.63	34.69	527.69
	87	Teak	105	22	799.21	231.46	53.57	65.76	1,150.00
	88	Teak	63	18.4	248.08	75.12	21.53	25.94	370.67
	89	Teak	73	20.3	363.84	108.58	29.02	35.17	536.6
	90	Teak	48	18	142.92	44.2	14.01	16.73	217.86
	91	Teak	104	21.6	770.54	223.47	52.07	63.88	1,109.95
	92	Teak	69	20.1	322.86	96.79	26.44	31.98	478.07
	93	Teak	61	19.5	246.53	74.67	21.43	25.81	368.43
	94	Teak	110	22.5	894.45	257.94	58.48	71.92	1,282.78
	95	Teak	75	21.8	411.11	122.12	31.91	38.76	603.9
	96	Teak	43	15	96.56	30.31	10.32	12.25	149.44
	97	Teak	95	20.5	613.83	179.57	43.61	53.31	890.32
	98	Teak	80	20	428.67	127.13	32.97	40.07	628.84
	99	Teak	69	19.2	308.76	92.72	25.53	30.87	457.88
	100	Teak	106	21	778.03	225.56	52.46	64.37	1,120.42
	101	Teak	60	20	244.68	74.13	21.3	25.65	365.76
	102	Teak	37	12	57.96	18.55	6.93	8.16	91.61
	103	Teak	40	13.5	75.68	23.98	8.54	10.09	118.29
	104	Teak	130	23.5	1,292.34	367.49	77.9	96.37	1,834.10
	105	Teak	102	22.5	772.03	223.89	52.15	63.97	1,112.04
	106	Teak	94	21.8	638.43	186.49	44.97	55	924.89
	107	Teak	60	17	208.83	63.65	18.83	22.62	313.93
	108	Teak	93	21.3	611.28	178.85	43.47	53.13	886.74
	109	Teak	56	20	213.89	65.13	19.18	23.05	321.25
	110	Teak	35	10	43.54	14.09	5.55	6.5	69.68
	111	Teak	84	20.5	482.92	142.57	36.18	44.05	705.72
	112	Teak	94	21.5	629.87	184.08	44.5	54.42	912.86
	113	Teak	66	21	308.98	92.78	25.55	30.88	458.19
	114	Teak	87	20.5	517.11	152.26	38.16	46.52	754.05
	115	Teak	106	21.5	796.08	230.59	53.41	65.55	1,145.63
		Mean	73.2	20.1	405.13	119.64	30.59	37.21	592.57
		S.D.	20.8	2.3	240.96	68.67	14.48	17.95	341.99
		C.V.	28.5	11.4	59.48	57.4	47.35	48.23	57.71

Table A.1-1. (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
5	1	Teak	74	23	421.97	125.22	32.57	39.57	619.32
	2	Teak	68	22.5	350.27	104.68	28.17	34.12	517.24
	3	Teak	93	23.3	667.15	194.55	46.54	56.96	965.2
	4	Teak	62	22	286.21	86.2	24.07	29.06	425.54
	5	Teak	68	23.2	360.88	107.73	28.83	34.94	532.39
	6	Teak	39	20.5	108.24	33.83	11.28	13.41	166.76
	7	Teak	64	22.2	307.18	92.26	25.43	30.74	455.62
	8	Teak	79	24	499.62	147.31	37.15	45.26	729.34
	9	Teak	69	22	352.57	105.34	28.31	34.3	520.52
	10	Teak	82	22.6	506.7	149.32	37.56	45.77	739.35
	11	Teak	74	22	404.08	120.1	31.49	38.23	593.9
	12	Teak	52	21.5	198.64	60.66	18.11	21.74	299.14
	13	Teak	69	20	321.29	96.34	26.34	31.86	475.83
	14	Teak	51	19	169.55	52.09	16.01	19.16	256.81
	15	Teak	54	18.5	184.67	56.55	17.11	20.51	278.84
	16	Teak	61	21.2	267.45	80.75	22.83	27.54	398.57
	17	Teak	55	20.5	211.54	64.44	19.02	22.85	317.85
	18	Teak	32	15	54.29	17.42	6.59	7.75	86.04
	19	Teak	45	21.5	149.85	46.26	14.54	17.37	228.02
	20	Teak	65	20.5	292.95	88.15	24.51	29.6	435.22
	21	Teak	32	10	36.57	11.91	4.84	5.66	58.98
	22	Teak	43	17	109.09	34.08	11.35	13.5	168.02
	23	Teak	82	20.6	462.95	136.89	35.01	42.6	677.45
	24	Teak	62	18.5	241.74	73.27	21.1	25.41	361.52
	25	Teak	73	22.3	398.73	118.58	31.16	37.83	586.3
	26	Teak	61	22	277.28	83.61	23.48	28.34	412.71
	27	Teak	32	15.5	56.05	17.96	6.76	7.95	88.71
	28	Teak	66	21.6	317.58	95.26	26.1	31.57	470.5
	29	Teak	40	18.5	102.89	32.22	10.84	12.88	158.83
	30	Teak	85	23.5	564.55	165.68	40.86	49.88	820.96
	31	Teak	58	19.5	223.45	67.93	19.85	23.87	335.09
	32	Teak	55	11.5	120.42	37.48	12.26	14.6	184.76
	33	Teak	81	20.5	449.87	133.17	34.23	41.64	658.92
	34	Teak	73	21	376.06	112.08	29.77	36.11	554.02
	35	Teak	86	19	469.5	138.75	35.39	43.08	686.72
	36	Teak	76	21.5	416.21	123.57	32.22	39.14	611.14
	37	Teak	69	20.5	329.12	98.59	26.84	32.48	487.02
	38	Teak	86	21.5	529.61	155.8	38.88	47.41	771.69
	39	Teak	52	18.5	171.57	52.69	16.15	19.35	259.76
	40	Teak	46	18	131.54	40.81	13.13	15.66	201.14
	41	Teak	30	17	54.08	17.35	6.57	7.72	85.73
	42	Teak	82	20.5	460.76	136.27	34.88	42.44	674.35
	43	Teak	55	19.5	201.47	61.49	18.31	21.98	303.25
	44	Teak	59	20	236.79	71.83	20.76	24.99	354.38
	45	Teak	58	20.5	234.61	71.19	20.61	24.81	351.22
	46	Teak	63	19.5	262.53	79.32	22.5	27.13	391.49
	47	Teak	57	18.6	206.28	62.9	18.65	22.4	310.22
	48	Teak	14	5.5	4.08	1.44	0.88	0.99	7.38
	49	Teak	82	20.5	460.76	136.27	34.88	42.44	674.35
	50	Teak	54	19.8	197.31	60.27	18.01	21.62	297.21
	51	Teak	64	20.5	284.23	85.62	23.94	28.9	422.7
	52	Teak	65	21	299.92	90.16	24.96	30.16	445.2
	53	Teak	74	21.5	395.13	117.54	30.94	37.56	581.17
	54	Teak	51	18.3	163.46	50.29	15.56	18.62	247.92
	55	Teak	66	19.6	288.88	86.97	24.24	29.28	429.37
	56	Teak	51	18.5	165.2	50.8	15.68	18.77	250.46
	57	Teak	34	15.3	62.29	19.88	7.33	8.64	98.14
	58	Teak	56	19.5	208.67	63.6	18.82	22.6	313.7
	59	Teak	72	20.5	357.59	106.78	28.63	34.69	527.69
	60	Teak	59	19	225.24	68.46	19.97	24.02	337.69
	61	Teak	73	20.5	367.33	109.58	29.23	35.44	541.58
	62	Teak	33	13	50.14	16.13	6.19	7.27	79.74
	63	Teak	38	15	75.89	24.04	8.55	10.11	118.59
	64	Teak	99	23	744.16	216.11	50.67	62.13	1,073.07
	65	Teak	78	22.8	463.61	137.08	35.05	42.65	678.38
	66	Teak	74	20.5	377.2	112.41	29.84	36.2	555.65
	67	Teak	57	18.6	206.28	62.9	18.65	22.4	310.22
	68	Teak	40	16	89.31	28.12	9.71	11.51	138.65

Table A.1-1. (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	69	Teak	30	15	47.87	15.43	5.97	7.01	76.29
	70	Teak	30	10.5	33.81	11.05	4.56	5.32	54.73
	71	Teak	63	21	282.19	85.03	23.8	28.74	419.76
	72	Teak	57	18.5	205.2	62.58	18.57	22.3	308.66
	73	Teak	65	19	272.04	82.09	23.13	27.91	405.18
	74	Teak	95	20.4	610.91	178.75	43.45	53.11	886.22
	75	Teak	45	18.5	129.44	40.18	12.97	15.46	198.05
	76	Teak	67	19	288.6	86.89	24.22	29.25	428.96
	77	Teak	93	21.5	616.87	180.43	43.78	53.52	894.6
	78	Teak	49	18	148.78	45.94	14.46	17.27	226.45
	79	Teak	81	20.5	449.87	133.17	34.23	41.64	658.92
	80	Teak	84	21	494.4	145.83	36.85	44.88	721.95
	81	Teak	44	18.5	123.89	38.52	12.53	14.93	189.88
	82	Teak	63	20	269.09	81.23	22.94	27.67	400.92
	83	Teak	79	20.5	428.47	127.07	32.96	40.06	628.56
	84	Teak	65	20	285.99	86.13	24.05	29.04	425.22
	85	Teak	76	20.3	393.55	117.09	30.85	37.44	578.93
	86	Teak	67	20	303.39	91.17	25.19	30.44	450.18
	87	Teak	39	16.3	86.56	27.28	9.48	11.23	134.55
	88	Teak	54	17.2	172.01	52.82	16.19	19.39	260.4
	89	Teak	56	19	203.46	62.07	18.45	22.15	306.14
	90	Teak	73	19.5	349.86	104.56	28.14	34.09	516.65
	91	Teak	61	18	228.03	69.27	20.16	24.26	341.72
	92	Teak	71	20	339.7	101.64	27.5	33.3	502.14
	93	Teak	21	7.5	12.15	4.13	2.05	2.36	20.69
	94	Teak	49	19	156.83	48.33	15.06	18.01	238.23
	95	Teak	68	19.5	304.67	91.54	25.27	30.54	452.02
	96	Teak	82	20.4	458.57	135.65	34.75	42.28	671.24
	97	Teak	91	22.5	618.07	180.76	43.85	53.6	896.28
	98	Teak	72	22	383.06	114.09	30.2	36.64	564
	99	Teak	43	18	115.34	35.96	11.85	14.11	177.26
	100	Teak	33	15	57.64	18.45	6.9	8.13	91.12
	101	Teak	77	20	397.89	118.34	31.11	37.77	585.1
	102	Teak	54	18	179.81	55.12	16.75	20.08	271.76
	103	Teak	73	20.5	367.33	109.58	29.23	35.44	541.58
	104	Teak	86	21.5	529.61	155.8	38.88	47.41	771.69
	105	Teak	57	21	232.18	70.48	20.45	24.61	347.71
	106	Teak	99	22.4	725.23	210.82	49.67	60.87	1,046.59
	107	Teak	42	18.5	113.15	35.3	11.68	13.89	174.03
	108	Teak	97	22.3	693.92	202.05	47.99	58.77	1,002.73
	109	Teak	77	22	436.62	129.4	33.45	40.66	640.13
	110	Teak	80	21.5	459.97	136.05	34.83	42.38	673.23
		Mean	62.4	19.4	291.36	87.11	23.63	28.59	430.69
		S.D.	18.1	3.1	169.09	48.98	11.19	13.77	242.96
		C.V.	29	16.1	58.04	56.23	47.37	48.16	56.41

Table A-1-2. Growths and biomass of successional species in five plots in the 22-year-old teak plantation

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	1	<i>L. glandifolius</i>	44.0	18.0	92.82	26.16	3.31	22.49	144.77
	2	<i>M. pierrei</i>	32.0	9.0	27.34	7.13	1.36	7.71	43.54
	3	<i>A. villosa</i>	47.0	16.0	94.03	26.52	3.34	22.74	146.64
	4	<i>A. villosa</i>	63.0	17.0	170.35	49.88	5.15	38.28	263.65
	5	<i>C. formosum</i>	79.0	21.5	320.41	97.64	8.16	66.57	492.78
	6	<i>A. villosa</i>	59.0	23.0	199.35	58.95	5.78	43.93	308.01
	7	<i>A. villosa</i>	70.0	15.0	184.28	54.23	5.45	41.01	284.97
	8	<i>A. villosa</i>	36.0	22.0	77.18	21.50	2.90	19.13	120.71
	9	<i>A. villosa</i>	56.0	10.0	84.24	23.59	3.09	20.66	131.58
	10	<i>L. glandifolius</i>	38.0	13.0	52.57	14.29	2.19	13.67	82.71
	11	<i>L. glandifolius</i>	39.0	11.0	47.29	12.77	2.03	12.46	74.55
	12	<i>L. glandifolius</i>	20.0	9.5	12.11	3.00	0.75	3.78	19.64
	13	<i>C. formosum</i>	23.0	8.0	13.37	3.33	0.81	4.12	21.63
	14	<i>A. villosa</i>	33.0	9.0	28.93	7.57	1.42	8.10	46.02
	15	<i>C. formosum</i>	86.0	23.0	398.47	123.10	9.56	80.58	611.72
	16	<i>C. formosum</i>	23.0	8.0	13.37	3.33	0.81	4.12	21.63
	17	<i>L. glandifolius</i>	29.0	16.0	38.71	10.32	1.75	10.45	61.24
	18	<i>C. formosum</i>	86.0	25.0	430.21	133.55	10.11	86.17	660.04
	19	<i>L. glandifolius</i>	58.0	20.0	169.90	49.74	5.14	38.19	262.97
	20	<i>L. glandifolius</i>	49.0	18.0	113.12	32.28	3.82	26.74	175.96
	21	<i>A. villosa</i>	22.0	7.0	10.90	2.68	0.70	3.44	17.72
	22	<i>P. serratum</i>	83.0	30.0	476.54	148.89	10.89	94.25	730.58
	23	<i>D. ehretioides</i>	22.0	9.0	13.73	3.43	0.82	4.22	22.20
	24	<i>A. villosa</i>	38.0	11.0	45.09	12.14	1.96	11.95	71.13
	25	<i>A. villosa</i>	19.0	5.0	6.11	1.45	0.46	2.07	10.09
	26	<i>A. villosa</i>	21.0	6.0	8.68	2.11	0.59	2.82	14.20
	27	<i>C. formosum</i>	56.0	22.0	173.87	50.98	5.23	38.97	269.04
	28	<i>A. villosa</i>	56.0	16.0	129.75	37.35	4.23	30.16	201.48
	29	<i>A. villosa</i>	42.0	14.0	67.64	18.68	2.63	17.04	105.99
	30	<i>C. formosum</i>	60.0	20.0	180.82	53.15	5.38	40.33	279.68
	31	<i>A. villosa</i>	31.0	8.0	23.14	5.97	1.20	6.66	36.98
	32	<i>C. formosum</i>	20.0	7.0	9.15	2.23	0.61	2.95	14.94
	33	<i>C. formosum</i>	74.0	24.0	314.36	95.67	8.05	65.47	483.55
	34	<i>A. villosa</i>	50.0	8.0	55.72	15.20	2.28	14.38	87.59
	35	<i>A. villosa</i>	44.0	15.0	78.50	21.89	2.93	19.42	122.73
	36	<i>C. formosum</i>	15.0	7.0	5.39	1.27	0.42	1.86	8.94
	37	<i>M. pierrei</i>	14.0	4.0	2.84	0.64	0.26	1.06	4.80
	38	<i>A. gomezianus</i>	64.0	30.0	295.53	89.59	7.69	62.02	454.83
	39	<i>E. candollei</i>	115.0	33.0	947.19	309.06	17.96	172.03	1,446.25
	40	<i>C. formosum</i>	78.0	32.0	451.09	140.45	10.47	89.83	691.84
	41	<i>C. formosum</i>	66.0	23.0	244.97	73.39	6.71	52.62	377.69
	42	<i>A. odoratissima</i>	27.0	7.5	16.92	4.28	0.96	5.06	27.22
	43	<i>C. formosum</i>	42.0	13.5	65.41	18.03	2.57	16.55	102.56
	44	<i>C. formosum</i>	65.0	24.0	247.69	74.26	6.77	53.13	381.85
	45	<i>A. villosa</i>	82.0	24.0	379.63	116.93	9.23	77.23	583.02
	46	<i>A. villosa</i>	82.0	23.0	365.07	112.16	8.97	74.63	560.84
	47	<i>D. cultrata</i>	28.0	8.0	19.19	4.90	1.05	5.65	30.80
	48	<i>A. villosa</i>	41.0	12.0	56.16	15.33	2.30	14.48	88.27
	49	<i>A. villosa</i>	63.0	21.0	206.86	61.32	5.93	45.37	319.48
	50	<i>A. villosa</i>	29.0	6.0	15.72	3.96	0.91	4.75	25.33
	51	<i>A. villosa</i>	43.0	10.0	51.84	14.08	2.17	13.50	81.59
	52	<i>A. villosa</i>	70.0	20.0	240.05	71.83	6.61	51.69	370.18
	53	<i>C. formosum</i>	57.0	20.0	164.55	48.08	5.02	37.13	254.79
	54	<i>C. formosum</i>	70.0	24.0	283.83	85.83	7.47	59.86	437.00
	55	<i>A. villosa</i>	70.0	18.0	217.89	64.80	6.16	47.49	336.35
	56	<i>A. villosa</i>	69.0	19.0	223.02	66.42	6.27	48.47	344.17
	57	<i>A. villosa</i>	41.0	7.0	34.22	9.06	1.60	9.38	54.26
	58	<i>A. villosa</i>	40.0	7.5	34.84	9.23	1.62	9.53	55.23
	59	<i>A. villosa</i>	55.0	12.0	96.36	27.22	3.40	23.24	150.22
	60	<i>C. formosum</i>	78.0	26.0	372.73	114.67	9.11	76.00	572.50
	61	<i>C. formosum</i>	57.0	12.0	102.90	29.19	3.57	24.61	160.27
	62	<i>A. villosa</i>	33.0	8.0	25.96	6.75	1.31	7.37	41.39
	63	<i>L. glandifolius</i>	53.0	16.0	117.26	33.54	3.93	27.60	182.32
	64	<i>A. villosa</i>	70.0	21.0	251.06	75.33	6.83	53.76	386.98

Table A.1-2 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
2	35	<i>A. villosa</i>	44.0	15.0	78.50	21.89	2.93	19.42	122.73
	36	<i>C. formosum</i>	15.0	7.0	5.39	1.27	0.42	1.86	8.94
	37	<i>M. pierrei</i>	14.0	4.0	2.84	0.64	0.26	1.06	4.80
	38	<i>A. gomegianus</i>	64.0	30.0	295.53	89.59	7.69	62.02	454.83
	39	<i>E. candollei</i>	115.0	33.0	947.19	309.06	17.96	172.03	1,446.25
	40	<i>C. formosum</i>	78.0	32.0	451.09	140.45	10.47	89.83	691.84
	41	<i>C. formosum</i>	66.0	23.0	244.97	73.39	6.71	52.62	377.69
	42	<i>A. odoratissima</i>	27.0	7.5	16.92	4.28	0.96	5.06	27.22
	43	<i>C. formosum</i>	42.0	13.5	65.41	18.03	2.57	16.55	102.56
	44	<i>C. formosum</i>	65.0	24.0	247.69	74.26	6.77	53.13	381.85
	45	<i>A. villosa</i>	82.0	24.0	379.63	116.93	9.23	77.23	583.02
	46	<i>A. villosa</i>	82.0	23.0	365.07	112.16	8.97	74.63	560.84
	47	<i>D. cultrata</i>	28.0	8.0	19.19	4.90	1.05	5.65	30.80
	48	<i>A. villosa</i>	41.0	12.0	56.16	15.33	2.30	14.48	88.27
	49	<i>A. villosa</i>	63.0	21.0	206.86	61.32	5.93	45.37	319.48
	50	<i>A. villosa</i>	29.0	6.0	15.72	3.96	0.91	4.75	25.33
	51	<i>A. villosa</i>	43.0	10.0	51.84	14.08	2.17	13.50	81.59
	52	<i>A. villosa</i>	70.0	20.0	240.05	71.83	6.61	51.69	370.18
	53	<i>C. formosum</i>	57.0	20.0	164.55	48.08	5.02	37.13	254.79
	54	<i>C. formosum</i>	70.0	24.0	283.83	85.83	7.47	59.86	437.00
	55	<i>A. villosa</i>	70.0	18.0	217.89	64.80	6.16	47.49	336.35
	56	<i>A. villosa</i>	69.0	19.0	223.02	66.42	6.27	48.47	344.17
	57	<i>A. villosa</i>	41.0	7.0	34.22	9.06	1.60	9.38	54.26
	58	<i>A. villosa</i>	40.0	7.5	34.84	9.23	1.62	9.53	55.23
	59	<i>A. villosa</i>	55.0	12.0	96.36	27.22	3.40	23.24	150.22
	60	<i>C. formosum</i>	78.0	26.0	372.73	114.67	9.11	76.00	572.50
	61	<i>C. formosum</i>	57.0	12.0	102.90	29.19	3.57	24.61	160.27
	62	<i>A. villosa</i>	33.0	8.0	25.96	6.75	1.31	7.37	41.39
	63	<i>L. glandifolius</i>	53.0	16.0	117.26	33.54	3.93	27.60	182.32
	64	<i>A. villosa</i>	70.0	21.0	251.06	75.33	6.83	53.76	386.98
	65	<i>C. formosum</i>	100.0	27.0	609.23	193.33	13.03	116.88	932.47
	66	<i>L. glandifolius</i>	30.0	10.0	26.75	6.97	1.34	7.56	42.62
	67	<i>L. glandifolius</i>	29.0	11.0	27.43	7.16	1.36	7.73	43.69
	68	<i>L. glandifolius</i>	30.0	9.0	24.28	6.29	1.25	6.95	38.76
	69	<i>C. formosum</i>	73.0	22.0	283.03	85.57	7.45	59.72	435.77
	70	<i>A. villosa</i>	53.0	13.0	96.89	27.38	3.42	23.35	151.04
	71	<i>C. formosum</i>	53.0	14.0	103.72	29.43	3.59	24.79	161.53
	72	<i>C. formosum</i>	34.0	10.0	33.67	8.90	1.58	9.25	53.40
	73	<i>L. glandifolius</i>	44.0	16.0	83.29	23.31	3.06	20.45	130.12
	74	<i>L. glandifolius</i>	25.0	5.0	10.12	2.48	0.66	3.23	16.48
	75	<i>L. glandifolius</i>	23.0	6.0	10.26	2.52	0.67	3.27	16.72
	76	<i>L. glandifolius</i>	18.0	5.0	5.53	1.30	0.43	1.90	9.16
	77	<i>F. hispida</i>	46.0	12.0	69.39	19.20	2.68	17.43	108.69
	78	<i>L. glandifolius</i>	22.0	16.0	23.30	6.02	1.21	6.70	37.23
	79	<i>F. hispida</i>	39.0	10.0	43.32	11.64	1.90	11.54	68.40
	80	<i>A. villosa</i>	67.0	12.0	138.50	40.03	4.43	31.93	214.89
	81	<i>C. formosum</i>	14.0	6.0	4.12	0.95	0.34	1.47	6.89
	82	<i>C. formosum</i>	24.0	9.0	16.11	4.07	0.93	4.85	25.95
	83	<i>L. glutinosa</i>	34.0	10.0	33.67	8.90	1.58	9.25	53.40
	84	<i>S. aqueum</i>	21.0	8.0	11.31	2.79	0.72	3.56	18.38
	85	<i>A. villosa</i>	35.0	10.0	35.51	9.42	1.65	9.69	56.27
	86	<i>D. cultrata</i>	20.0	8.0	10.34	2.54	0.67	3.29	16.84
	87	<i>A. villosa</i>	61.0	12.0	116.56	33.32	3.91	27.45	181.25
	88	<i>L. glutinosa</i>	36.0	13.0	47.59	12.86	2.04	12.53	75.02
	89	<i>C. formosum</i>	62.0	18.0	174.33	51.12	5.24	39.06	269.75
	90	<i>A. villosa</i>	39.0	8.0	35.29	9.36	1.64	9.64	55.93
	91	<i>C. formosum</i>	27.0	8.0	17.95	4.56	1.00	5.33	28.85
	1	<i>B. anceps</i>	53.0	15.5	113.89	32.51	3.84	26.90	177.15
	2	<i>G. arboreas</i>	120.0	16.0	526.60	165.58	11.71	102.87	806.76

Table A.1-2 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
3	3	<i>M. pierrei</i>	47.0	11.5	69.42	19.21	2.68	17.44	108.74
	4	<i>D. dongnaiensis</i>	93.0	30.4	594.56	188.38	12.80	114.41	910.14
	5	<i>G. arboreas</i>	113.0	15.0	444.37	138.23	10.35	88.65	681.61
	6	<i>D. dongnaiensis</i>	125.0	18.0	632.52	201.19	13.39	120.78	967.89
	7	<i>S. pinnata</i>	120.0	18.0	586.80	185.77	12.68	113.10	898.35
	8	<i>P. emblica</i>	95.0	16.5	352.60	108.09	8.75	72.39	541.84
	9	<i>C. formosum</i>	93.0	15.5	320.15	97.55	8.15	66.52	492.37
	10	<i>P. emblica</i>	73.0	12.0	162.15	47.33	4.97	36.66	251.11
	1	<i>C. formosum</i>	93.0	16.5	339.08	103.69	8.50	69.96	521.23
	2	<i>P. emblica</i>	47.0	12.3	73.84	20.51	2.80	18.41	115.56
	3	<i>C. formosum</i>	53.0	14.0	103.72	29.43	3.59	24.79	161.53
	4	<i>D. dongnaiensis</i>	64.0	13.3	139.94	40.47	4.46	32.22	217.09
	5	<i>S. cumini</i>	15.8	17.3	13.62	3.40	0.82	4.19	22.03
	6	<i>D. dongnaiensis</i>	56.0	14.5	118.53	33.92	3.96	27.86	184.27
4	7	<i>D. dongnaiensis</i>	66.0	13.5	150.13	43.61	4.70	34.27	232.70
5	1	<i>G. pinnata</i>	62.0	18.0	174.33	51.12	5.24	39.06	269.75
	1	<i>C. formosum</i>	61.0	11.5	112.09	31.97	3.80	26.53	174.39
	2	<i>C. formosum</i>	62.0	15.0	147.44	42.78	4.64	33.73	228.58
	3	<i>C. formosum</i>	38.0	8.0	33.65	8.89	1.58	9.25	53.37
	4	<i>D. dongnaiensis</i>	69.0	21.2	246.64	73.93	6.74	52.93	380.25

Table A.2-1. Biomass carbon of teak in five plots in the 22-year-old plantation

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	1	Teak	44.0	14.0	47.12	14.45	4.90	5.80	72.26
	2	Teak	56.0	12.0	64.87	19.65	6.29	7.48	98.29
	3	Teak	31.0	10.5	17.99	5.72	2.31	2.70	28.72
	4	Teak	80.0	23.0	245.12	70.58	17.71	21.52	354.93
	5	Teak	38.0	13.0	32.94	10.24	3.71	4.36	51.24
	6	Teak	77.0	22.0	217.88	63.02	16.15	19.60	316.64
	7	Teak	63.0	21.0	140.81	41.41	11.50	13.85	207.57
	8	Teak	50.0	9.0	39.30	12.13	4.25	5.02	60.70
	9	Teak	56.0	13.0	70.14	21.18	6.68	7.96	105.96
	10	Teak	62.0	14.0	91.93	27.48	8.25	9.87	137.53
	11	Teak	31.0	10.0	17.15	5.46	2.23	2.60	27.44
	12	Teak	40.0	10.0	28.19	8.81	3.28	3.85	44.14
	13	Teak	21.0	3.0	2.48	0.85	0.49	0.56	4.39
	14	Teak	58.0	23.0	130.96	38.62	10.87	13.07	193.52
	15	Teak	50.0	18.0	77.22	23.24	7.20	8.59	116.25
	16	Teak	19.0	5.0	3.36	1.14	0.63	0.71	5.84
	17	Teak	66.0	23.0	168.47	49.21	13.22	15.97	246.87
	18	Teak	51.0	20.0	88.94	26.62	8.04	9.61	133.21
	19	Teak	60.0	25.0	151.75	44.50	12.19	14.70	223.14
	20	Teak	73.0	29.0	257.03	73.87	18.37	22.35	371.62
	21	Teak	39.0	12.0	32.05	9.97	3.63	4.27	49.92
	22	Teak	42.0	13.0	40.03	12.35	4.32	5.09	61.79
	23	Teak	50.0	15.0	64.65	19.58	6.27	7.46	97.96
	24	Teak	40.0	11.5	32.30	10.05	3.65	4.30	50.29
	25	Teak	72.0	23.0	199.61	57.93	15.09	18.28	290.91
	26	Teak	84.0	20.0	235.25	67.84	17.15	20.83	341.07
	27	Teak	54.0	15.0	75.12	22.62	7.05	8.40	113.19
	28	Teak	81.0	23.0	251.13	72.24	18.05	21.94	363.36
	29	Teak	49.0	19.0	78.26	23.53	7.27	8.68	117.75
	30	Teak	40.0	17.5	48.63	14.89	5.02	5.95	74.49
	31	Teak	66.0	20.0	147.02	43.16	11.89	14.33	216.41

Table B-2-1(Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	32	Teak	46.0	18.0	65.64	19.87	6.34	7.55	99.40
	33	Teak	52.0	19.0	87.87	26.31	7.96	9.52	131.66
	34	Teak	44.0	14.0	47.12	14.45	4.90	5.80	72.26
	35	Teak	55.0	18.0	92.99	27.78	8.32	9.96	139.05
	36	Teak	57.0	18.0	99.70	29.71	8.78	10.52	148.71
	37	Teak	50.0	16.0	68.85	20.81	6.58	7.84	104.08
	38	Teak	68.0	16.0	125.37	37.03	10.50	12.63	185.53
	39	Teak	70.0	15.0	124.57	36.80	10.45	12.56	184.39
	40	Teak	33.0	11.0	21.26	6.72	2.64	3.08	33.69
	41	Teak	63.0	12.0	81.62	24.51	7.52	8.98	122.62
	42	Teak	43.0	10.0	32.46	10.09	3.66	4.31	50.52
	43	Teak	35.0	10.0	21.73	6.86	2.68	3.13	34.40
	44	Teak	72.0	23.0	199.61	57.93	15.09	18.28	290.91
	45	Teak	84.0	20.0	235.25	67.84	17.15	20.83	341.07
	46	Teak	54.0	15.0	75.12	22.62	7.05	8.40	113.19
	47	Teak	81.0	23.0	251.13	72.24	18.05	21.94	363.36
	48	Teak	49.0	19.0	78.26	23.53	7.27	8.68	117.75
	49	Teak	40.0	17.5	48.63	14.89	5.02	5.95	74.49
	50	Teak	66.0	20.0	147.02	43.16	11.89	14.33	216.41
	51	Teak	46.0	18.0	65.64	19.87	6.34	7.55	99.40
	52	Teak	52.0	19.0	87.87	26.31	7.96	9.52	131.66
	53	Teak	44.0	14.0	47.12	14.45	4.90	5.80	72.26
	54	Teak	55.0	18.0	92.99	27.78	8.32	9.96	139.05
	55	Teak	57.0	18.0	99.70	29.71	8.78	10.52	148.71
	56	Teak	50.0	16.0	68.85	20.81	6.58	7.84	104.08
	57	Teak	68.0	16.0	125.37	37.03	10.50	12.63	185.53
	58	Teak	70.0	15.0	124.57	36.80	10.45	12.56	184.39
	59	Teak	33.0	11.0	21.26	6.72	2.64	3.08	33.69
	60	Teak	63.0	12.0	81.62	24.51	7.52	8.98	122.62
	61	Teak	43.0	10.0	32.46	10.09	3.66	4.31	50.52
	62	Teak	35.0	10.0	21.73	6.86	2.68	3.13	34.40
	63	Teak	28.0	6.0	8.55	2.80	1.30	1.49	14.13
	64	Teak	41.0	11.0	32.46	10.09	3.66	4.31	50.53
	65	Teak	33.0	6.0	11.78	3.81	1.66	1.93	19.17
	66	Teak	40.0	10.0	28.19	8.81	3.28	3.85	44.14
	67	Teak	46.0	13.0	47.80	14.65	4.95	5.87	73.27
	68	Teak	70.0	23.0	188.95	54.95	14.46	17.50	275.85
	69	Teak	97.0	24.0	371.97	105.42	24.51	29.99	531.88
	70	Teak	54.0	12.0	60.43	18.35	5.95	7.07	91.81
	71	Teak	24.0	8.0	8.38	2.74	1.28	1.47	13.87
	72	Teak	36.0	8.0	18.47	5.87	2.36	2.75	29.45
	73	Teak	62.0	15.0	98.33	29.31	8.69	10.41	146.74
	74	Teak	52.0	13.0	60.70	18.43	5.97	7.09	92.20
	75	Teak	55.0	16.0	82.91	24.88	7.61	9.09	124.48
		Mean	51.7	15.2	89.03	26.31	7.57	9.08	131.99
		S.D.	16.6	5.7	78.37	22.32	5.26	6.44	112.35
		C.V.	32.0	37.6	88.03	84.84	69.56	70.90	85.12
2	1	Teak	63.0	14.3	96.83	28.88	8.59	10.28	144.58
	2	Teak	97.0	15.0	235.27	67.85	17.15	20.83	341.10
	3	Teak	62.0	13.5	88.73	26.56	8.02	9.59	132.91
	4	Teak	64.0	14.5	101.21	30.14	8.89	10.65	150.89
	5	Teak	36.0	10.5	24.07	7.57	2.90	3.40	37.95
	6	Teak	29.0	8.5	12.85	4.14	1.78	2.06	20.84
	7	Teak	62.0	15.0	98.33	29.31	8.69	10.41	146.74
	8	Teak	54.0	14.0	70.23	21.21	6.69	7.97	106.09
	9	Teak	70.0	15.5	128.62	37.95	10.71	12.89	190.17
	10	Teak	75.0	14.5	137.87	40.58	11.31	13.62	203.38
	11	Teak	85.0	14.5	175.97	51.31	13.68	16.54	257.49

Table A.2-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	12	Teak	57.0	15.0	83.46	25.04	7.65	9.14	125.29
	13	Teak	54.0	14.5	72.68	21.92	6.87	8.19	109.64
	14	Teak	28.0	4.0	5.76	1.91	0.95	1.09	9.71
	15	Teak	93.0	15.4	222.36	64.26	16.41	19.92	322.96
	16	Teak	68.0	14.3	112.37	33.33	9.64	11.58	166.92
	17	Teak	64.0	13.5	94.40	28.19	8.42	10.08	141.08
	18	Teak	62.0	10.5	69.46	20.98	6.63	7.90	104.96
	19	Teak	50.0	13.7	59.19	17.99	5.85	6.95	89.98
	20	Teak	74.0	15.0	138.82	40.85	11.37	13.69	204.73
	21	Teak	58.0	10.5	60.99	18.52	5.99	7.12	92.62
	22	Teak	76.0	14.5	141.48	41.60	11.54	13.90	208.52
	23	Teak	110.0	15.8	316.25	90.18	21.60	26.36	454.38
	24	Teak	57.0	14.6	81.30	24.41	7.49	8.95	122.15
	25	Teak	26.0	8.5	10.39	3.37	1.51	1.74	17.02
	26	Teak	54.0	12.5	62.89	19.07	6.14	7.30	95.39
	27	Teak	53.0	13.4	64.89	19.65	6.29	7.48	98.31
	28	Teak	86.0	15.0	186.07	54.14	14.29	17.29	271.78
	29	Teak	87.0	15.5	196.49	57.05	14.91	18.05	286.50
	30	Teak	68.0	14.0	110.07	32.67	9.49	11.39	163.62
	31	Teak	96.0	14.3	220.07	63.63	16.28	19.76	319.74
	32	Teak	46.0	12.1	44.57	13.69	4.69	5.55	68.51
	33	Teak	75.0	15.2	144.35	42.41	11.72	14.13	212.61
	34	Teak	53.0	14.0	67.72	20.48	6.50	7.74	102.43
	35	Teak	65.0	15.5	111.32	33.03	9.57	11.49	165.41
	36	Teak	79.0	15.8	165.88	48.48	13.06	15.78	243.20
	37	Teak	76.0	13.5	131.96	38.90	10.93	13.15	194.94
	38	Teak	45.0	12.0	42.36	13.04	4.51	5.33	65.24
	39	Teak	112.0	16.5	341.69	97.15	22.94	28.03	489.80
	40	Teak	105.0	16.0	292.40	83.63	20.32	24.76	421.10
	41	Teak	66.0	15.8	116.84	34.61	9.94	11.94	173.33
	42	Teak	28.0	6.5	9.24	3.01	1.38	1.59	15.22
	43	Teak	85.0	15.0	181.88	52.97	14.03	16.98	265.85
	44	Teak	33.0	8.5	16.54	5.28	2.17	2.52	26.50
	45	Teak	68.0	15.0	117.73	34.86	10.00	12.01	174.60
	46	Teak	75.0	15.8	149.90	43.98	12.07	14.56	220.51
	47	Teak	81.0	15.5	170.94	49.90	13.37	16.16	250.38
	48	Teak	92.0	15.8	223.23	64.51	16.46	19.98	324.18
	49	Teak	86.0	15.2	188.49	54.82	14.43	17.47	275.20
	50	Teak	80.0	15.8	170.00	49.64	13.31	16.09	249.04
	51	Teak	75.0	15.5	147.13	43.20	11.90	14.34	216.57
	52	Teak	67.0	14.0	106.94	31.78	9.28	11.13	159.13
	53	Teak	107.0	16.2	307.05	87.65	21.11	25.75	441.55
	54	Teak	80.0	16.0	172.10	50.22	13.44	16.25	252.01
	55	Teak	102.0	16.5	284.75	81.52	19.90	24.25	410.42
	56	Teak	65.0	13.5	97.29	29.02	8.62	10.32	145.25
	57	Teak	43.0	10.0	32.46	10.09	3.66	4.31	50.52
	58	Teak	60.0	13.2	81.44	24.45	7.50	8.96	122.35
	59	Teak	66.0	15.0	111.07	32.96	9.56	11.47	165.06
	60	Teak	104.0	13.5	243.20	70.05	17.60	21.39	352.23
	61	Teak	46.0	15.7	57.45	17.48	5.72	6.79	87.44
	62	Teak	74.0	10.5	98.06	29.24	8.67	10.39	146.36
	63	Teak	76.0	14.0	136.72	40.25	11.24	13.53	201.74
	64	Teak	74.0	14.5	134.31	39.57	11.08	13.34	198.30
	65	Teak	82.0	15.0	169.57	49.52	13.29	16.06	248.44
	66	Teak	60.0	15.5	95.24	28.43	8.48	10.15	142.29
	67	Teak	31.0	14.0	23.81	7.49	2.88	3.37	37.55
	68	Teak	53.0	6.5	32.06	9.97	3.63	4.27	49.93
	69	Teak	28.0	14.2	19.79	6.27	2.49	2.91	31.47

Table A.2-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	70	Teak	93.0	10.5	153.09	44.88	12.27	14.80	225.04
	71	Teak	76.0	15.4	150.03	44.01	12.08	14.57	220.69
	72	Teak	54.0	12.0	60.43	18.35	5.95	7.07	91.81
	73	Teak	76.0	14.0	136.72	40.25	11.24	13.53	201.74
	74	Teak	62.0	13.2	86.81	26.00	7.89	9.43	130.13
	75	Teak	46.0	12.5	46.01	14.12	4.81	5.69	70.63
	76	Teak	57.0	13.4	74.78	22.53	7.02	8.37	112.70
	77	Teak	6.0	14.0	0.97	0.34	0.24	0.26	1.82
	78	Teak	65.0	13.5	97.29	29.02	8.62	10.32	145.25
		Mean	66.6	13.7	119.53	35.09	9.73	11.72	176.08
		S.D.	21.7	2.5	77.16	21.92	5.10	6.25	110.39
		C.V.	32.5	18.1	64.56	62.47	52.39	53.28	62.69
3	1	Teak	103.0	15.3	269.62	77.35	19.07	23.22	389.27
	2	Teak	73.0	13.5	122.00	36.07	10.28	12.36	180.71
	3	Teak	92.0	15.1	213.59	61.82	15.91	19.29	310.61
	4	Teak	50.0	12.5	54.13	16.51	5.46	6.48	82.57
	5	Teak	116.0	15.8	350.74	99.62	23.41	28.62	502.39
	6	Teak	71.0	13.7	117.23	34.72	9.97	11.97	173.89
	7	Teak	77.0	14.0	140.25	41.25	11.46	13.81	206.77
	8	Teak	71.0	12.5	107.22	31.86	9.30	11.15	159.52
	9	Teak	41.0	8.5	25.25	7.93	3.01	3.53	39.72
	10	Teak	29.0	8.0	12.12	3.91	1.70	1.97	19.70
	11	Teak	60.0	13.7	84.44	25.32	7.72	9.22	126.70
	12	Teak	90.0	15.6	211.23	61.17	15.77	19.12	307.29
	13	Teak	52.0	14.0	65.25	19.76	6.31	7.51	98.84
	14	Teak	49.0	12.5	52.04	15.89	5.29	6.28	79.50
	15	Teak	51.0	13.5	60.64	18.41	5.96	7.09	92.10
	16	Teak	84.0	15.0	177.73	51.80	13.78	16.67	259.99
	17	Teak	57.0	14.2	79.12	23.78	7.34	8.76	119.00
	18	Teak	79.0	13.5	142.30	41.83	11.59	13.97	209.69
	19	Teak	56.0	13.5	72.77	21.94	6.87	8.19	109.78
	20	Teak	64.0	13.8	96.44	28.77	8.56	10.25	144.03
	21	Teak	43.0	12.1	39.08	12.07	4.23	5.00	60.38
	22	Teak	92.0	14.0	198.41	57.59	15.02	18.19	289.21
	23	Teak	101.0	14.6	247.93	71.36	17.87	21.72	358.88
	24	Teak	56.0	12.5	67.51	20.42	6.48	7.72	102.13
	25	Teak	47.0	12.0	46.11	14.15	4.82	5.70	70.77
	26	Teak	42.0	11.5	35.52	11.01	3.93	4.63	55.10
	27	Teak	70.0	14.5	120.52	35.65	10.18	12.24	178.60
	28	Teak	63.0	12.0	81.62	24.51	7.52	8.98	122.62
	29	Teak	33.0	11.5	22.20	7.00	2.73	3.19	35.12
	30	Teak	51.0	11.3	50.99	15.59	5.21	6.18	77.96
	31	Teak	85.0	14.2	172.42	50.31	13.46	16.27	252.46
	32	Teak	37.0	11.5	27.75	8.68	3.24	3.81	43.48
	33	Teak	71.0	14.5	123.90	36.61	10.41	12.51	183.43
	34	Teak	59.0	13.5	80.56	24.20	7.44	8.88	121.08
	35	Teak	109.0	15.5	304.92	87.07	20.99	25.60	438.58
	36	Teak	44.0	12.3	41.53	12.79	4.44	5.25	64.01
	37	Teak	70.0	14.6	121.33	35.88	10.24	12.30	179.76
	38	Teak	82.0	14.5	164.06	47.97	12.95	15.64	240.62
	39	Teak	68.0	14.0	110.07	32.67	9.49	11.39	163.62
	40	Teak	44.0	12.5	42.19	12.99	4.50	5.31	64.99
	41	Teak	64.0	13.5	94.40	28.19	8.42	10.08	141.08
	42	Teak	47.0	12.5	47.98	14.70	4.97	5.88	73.53
	43	Teak	102.0	15.0	259.49	74.55	18.51	22.52	375.07
	44	Teak	53.0	13.3	64.42	19.52	6.25	7.44	97.62
	45	Teak	67.0	12.5	95.76	28.58	8.51	10.19	143.04
	46	Teak	37.0	11.0	26.57	8.33	3.14	3.68	41.71

Table A.2-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	47	Teak	102.0	13.5	234.16	67.54	17.09	20.75	339.55
	48	Teak	90.0	14.0	190.09	55.27	14.53	17.58	277.47
	49	Teak	77.0	15.0	150.00	44.01	12.08	14.57	220.65
	50	Teak	64.0	14.5	101.21	30.14	8.89	10.65	150.89
	51	Teak	98.0	15.0	240.02	69.17	17.42	21.17	347.78
	52	Teak	44.0	9.0	30.63	9.55	3.50	4.12	47.80
	53	Teak	66.0	14.5	107.46	31.93	9.31	11.17	159.88
	54	Teak	54.0	14.0	70.23	21.21	6.69	7.97	106.09
	55	Teak	91.0	15.0	207.74	60.19	15.57	18.87	302.37
	56	Teak	54.0	14.0	70.23	21.21	6.69	7.97	106.09
	57	Teak	86.0	14.5	180.02	52.45	13.92	16.84	263.23
	58	Teak	65.0	14.0	100.80	30.02	8.86	10.62	150.31
	59	Teak	53.0	13.5	65.36	19.79	6.32	7.52	99.00
	60	Teak	45.0	13.0	45.80	14.06	4.79	5.67	70.31
	61	Teak	74.0	13.5	125.27	37.00	10.50	12.62	185.40
	62	Teak	88.0	14.5	188.27	54.76	14.42	17.45	274.90
	63	Teak	79.0	14.0	147.44	43.28	11.92	14.37	217.00
	64	Teak	76.0	14.0	136.72	40.25	11.24	13.53	201.74
	65	Teak	42.0	12.5	38.53	11.90	4.19	4.94	59.57
	66	Teak	66.0	15.0	111.07	32.96	9.56	11.47	165.06
	67	Teak	72.0	15.1	132.46	39.04	10.96	13.19	195.66
	68	Teak	57.0	13.0	72.60	21.90	6.86	8.18	109.54
	69	Teak	67.0	14.5	110.66	32.84	9.53	11.44	164.47
	70	Teak	88.0	15.3	198.39	57.59	15.02	18.19	289.18
	71	Teak	61.0	14.2	90.31	27.01	8.13	9.73	135.18
	72	Teak	56.0	12.5	67.51	20.42	6.48	7.72	102.13
	73	Teak	32.0	11.5	20.91	6.61	2.60	3.04	33.16
	74	Teak	43.0	12.1	39.08	12.07	4.23	5.00	60.38
	75	Teak	57.0	13.5	75.32	22.68	7.06	8.42	113.49
	76	Teak	46.0	12.5	46.01	14.12	4.81	5.69	70.63
	77	Teak	44.0	10.5	35.60	11.03	3.94	4.64	55.20
		Mean	65.4	13.4	111.31	32.78	9.23	11.10	164.43
		S.D.	20.2	1.6	73.88	20.97	4.83	5.92	105.57
		C.V.	30.9	11.6	66.37	63.96	52.31	53.33	64.21
4	1	Teak	86.0	23.0	282.23	80.83	19.76	24.08	406.90
	2	Teak	58.0	19.0	108.71	32.29	9.40	11.28	161.67
	3	Teak	68.0	21.5	167.21	48.85	13.14	15.88	245.08
	4	Teak	59.0	18.5	109.51	32.51	9.45	11.34	162.82
	5	Teak	51.0	15.0	67.20	20.33	6.46	7.69	101.67
	6	Teak	93.0	22.0	314.79	89.78	21.52	26.26	452.36
	7	Teak	66.0	20.5	150.60	44.17	12.12	14.61	221.50
	8	Teak	96.0	22.5	342.31	97.32	22.97	28.07	490.66
	9	Teak	90.0	23.2	310.99	88.74	21.32	26.01	447.05
	10	Teak	51.0	18.0	80.26	24.11	7.42	8.86	120.66
	11	Teak	67.0	20.0	151.39	44.40	12.16	14.67	222.63
	12	Teak	72.0	20.5	178.44	52.00	13.83	16.72	260.99
	13	Teak	101.0	23.0	386.10	109.27	25.23	30.89	551.48
	14	Teak	67.0	21.0	158.76	46.48	12.62	15.24	233.10
	15	Teak	56.0	20.0	106.73	31.72	9.26	11.11	158.83
	16	Teak	64.0	21.5	148.57	43.60	11.99	14.45	218.62
	17	Teak	64.0	22.0	151.94	44.55	12.20	14.71	223.40
	18	Teak	68.0	21.6	167.97	49.06	13.19	15.94	246.16
	19	Teak	92.0	22.5	315.06	89.85	21.53	26.28	452.72
	20	Teak	47.0	18.5	70.30	21.23	6.69	7.97	106.20
	21	Teak	58.0	20.2	115.40	34.19	9.85	11.82	171.26
	22	Teak	60.0	20.0	122.09	36.10	10.29	12.37	180.85
	23	Teak	57.0	19.0	105.09	31.25	9.15	10.98	156.47
	24	Teak	106.0	23.0	424.23	119.63	27.15	33.29	604.30

Table A.2-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	25	Teak	104.0	20.5	365.40	103.63	24.17	29.57	522.76
	26	Teak	59.0	18.5	109.51	32.51	9.45	11.34	162.82
	27	Teak	71.0	20.5	173.64	50.66	13.54	16.36	254.19
	28	Teak	69.0	21.2	169.69	49.55	13.30	16.07	248.61
	29	Teak	91.0	22.5	308.41	88.03	21.18	25.84	443.46
	30	Teak	96.0	23.0	349.72	99.34	23.36	28.55	500.97
	31	Teak	52.0	18.5	85.62	25.66	7.80	9.32	128.40
	32	Teak	39.0	17.0	45.00	13.82	4.73	5.59	69.14
	33	Teak	75.0	20.5	193.21	56.14	14.71	17.81	281.88
	34	Teak	44.0	18.0	60.19	18.28	5.93	7.05	91.45
	35	Teak	58.0	20.0	114.29	33.88	9.77	11.73	169.67
	36	Teak	68.0	22.0	171.00	49.92	13.38	16.16	250.45
	37	Teak	82.0	22.5	251.75	72.42	18.08	21.99	364.24
	38	Teak	46.0	19.0	69.19	20.91	6.61	7.87	104.58
	39	Teak	89.0	21.0	276.13	79.15	19.43	23.66	398.38
	40	Teak	90.0	21.5	288.76	82.63	20.12	24.52	416.03
	41	Teak	81.0	21.2	231.95	66.93	16.96	20.60	336.44
	42	Teak	74.0	22.0	201.64	58.49	15.21	18.43	293.76
	43	Teak	70.0	22.2	182.54	53.15	14.07	17.03	266.79
	44	Teak	70.0	20.5	168.90	49.33	13.25	16.01	247.48
	45	Teak	48.0	17.0	67.45	20.40	6.48	7.71	102.05
	46	Teak	68.0	21.5	167.21	48.85	13.14	15.88	245.08
	47	Teak	91.0	22.0	301.73	86.20	20.82	25.39	434.14
	48	Teak	38.0	15.0	37.87	11.71	4.13	4.87	58.58
	49	Teak	55.0	18.3	94.50	28.22	8.43	10.09	141.23
	50	Teak	93.0	20.5	293.86	84.03	20.40	24.86	423.15
	51	Teak	49.0	18.5	76.25	22.95	7.13	8.50	114.84
	52	Teak	116.0	22.0	484.29	135.87	30.10	36.99	687.25
	53	Teak	94.0	21.3	311.45	88.86	21.34	26.04	447.70
	54	Teak	87.0	20.5	258.04	74.15	18.43	22.42	373.04
	55	Teak	31.0	13.5	22.98	7.24	2.80	3.28	36.29
	56	Teak	82.0	21.5	240.84	69.39	17.47	21.22	348.93
	57	Teak	87.0	20.5	258.04	74.15	18.43	22.42	373.04
	58	Teak	84.0	21.5	252.43	72.60	18.12	22.03	365.18
	59	Teak	37.0	18.4	43.87	13.49	4.63	5.48	67.47
	60	Teak	61.0	19.2	121.17	35.84	10.23	12.29	179.53
	61	Teak	81.0	20.0	219.15	63.37	16.23	19.69	318.44
	62	Teak	96.0	20.5	312.62	89.18	21.40	26.12	449.32
	63	Teak	70.0	19.5	160.87	47.07	12.75	15.40	236.09
	64	Teak	77.0	19.0	188.87	54.92	14.45	17.49	275.74
	65	Teak	53.0	18.3	87.92	26.32	7.97	9.52	131.73
	66	Teak	93.0	21.5	307.82	87.87	21.15	25.80	442.63
	67	Teak	78.0	20.5	208.56	60.42	15.61	18.93	303.53
	68	Teak	53.0	18.5	88.85	26.59	8.03	9.60	133.08
	69	Teak	115.0	22.5	486.73	136.53	30.22	37.14	690.62
	70	Teak	48.0	19.0	75.18	22.64	7.05	8.41	113.28
	71	Teak	63.0	20.0	134.27	39.56	11.08	13.34	198.25
	72	Teak	65.0	20.5	146.18	42.93	11.84	14.27	215.22
	73	Teak	109.0	22.5	438.45	123.48	27.86	34.18	623.97
	74	Teak	65.0	20.5	146.18	42.93	11.84	14.27	215.22
	75	Teak	62.0	20.0	130.15	38.39	10.81	13.01	192.36
	76	Teak	81.0	20.5	224.49	64.85	16.54	20.07	325.95
	77	Teak	82.0	21.0	235.38	67.88	17.16	20.84	341.26
	78	Teak	56.0	18.5	98.92	29.48	8.73	10.46	147.60
	79	Teak	71.0	20.5	173.64	50.66	13.54	16.36	254.19
	80	Teak	96.0	22.0	334.89	95.29	22.58	27.59	480.35
	81	Teak	74.0	20.0	183.75	53.49	14.15	17.12	268.50
	82	Teak	84.0	20.5	240.98	69.43	17.47	21.23	349.12

Table A.2-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	83	Teak	41.0	18.0	52.45	16.02	5.33	6.32	80.11
	84	Teak	89.0	21.0	276.13	79.15	19.43	23.66	398.38
	85	Teak	51.0	19.5	86.78	25.99	7.88	9.43	130.08
	86	Teak	72.0	20.5	178.44	52.00	13.83	16.72	260.99
	87	Teak	105.0	22.0	398.81	112.72	25.87	31.70	569.10
	88	Teak	63.0	18.4	123.79	36.58	10.40	12.50	183.28
	89	Teak	73.0	20.3	181.56	52.88	14.01	16.95	265.40
	90	Teak	48.0	18.0	71.32	21.52	6.77	8.06	107.67
	91	Teak	104.0	21.6	384.50	108.83	25.15	30.79	549.26
	92	Teak	69.0	20.1	161.11	47.14	12.77	15.42	236.43
	93	Teak	61.0	19.5	123.02	36.36	10.35	12.44	182.17
	94	Teak	110.0	22.5	446.33	125.62	28.25	34.66	634.85
	95	Teak	75.0	21.8	205.15	59.47	15.41	18.68	298.71
	96	Teak	43.0	15.0	48.18	14.76	4.99	5.90	73.83
	97	Teak	95.0	20.5	306.30	87.45	21.07	25.70	440.51
	98	Teak	80.0	20.0	213.91	61.91	15.92	19.31	311.06
	99	Teak	69.0	19.2	154.07	45.15	12.33	14.88	226.44
	100	Teak	106.0	21.0	388.24	109.85	25.34	31.03	554.45
	101	Teak	60.0	20.0	122.09	36.10	10.29	12.37	180.85
	102	Teak	37.0	12.0	28.92	9.03	3.35	3.93	45.24
	103	Teak	40.0	13.5	37.77	11.68	4.12	4.86	58.43
	104	Teak	130.0	23.5	644.88	178.97	37.63	46.45	907.92
	105	Teak	102.0	22.5	385.24	109.03	25.19	30.84	550.30
	106	Teak	94.0	21.8	318.58	90.82	21.72	26.51	457.63
	107	Teak	60.0	17.0	104.21	31.00	9.09	10.90	155.20
	108	Teak	93.0	21.3	305.03	87.10	21.00	25.61	438.74
	109	Teak	56.0	20.0	106.73	31.72	9.26	11.11	158.83
	110	Teak	35.0	10.0	21.73	6.86	2.68	3.13	34.40
	111	Teak	84.0	20.5	240.98	69.43	17.47	21.23	349.12
	112	Teak	94.0	21.5	314.30	89.65	21.49	26.23	451.67
	113	Teak	66.0	21.0	154.18	45.18	12.34	14.89	226.59
	114	Teak	87.0	20.5	258.04	74.15	18.43	22.42	373.04
	115	Teak	106.0	21.5	397.24	112.30	25.80	31.60	566.93
		Mean	73.2	20.1	202.16	58.26	14.78	17.94	293.13
		S.D.	20.8	2.3	120.24	33.44	7.00	8.65	169.29
		C.V.	28.5	11.4	59.48	57.40	47.35	48.23	57.75
5	1	Teak	74.0	23.0	210.56	60.98	15.73	19.07	306.35
	2	Teak	68.0	22.5	174.78	50.98	13.61	16.45	255.81
	3	Teak	93.0	23.3	332.91	94.75	22.48	27.46	477.59
	4	Teak	62.0	22.0	142.82	41.98	11.62	14.01	210.43
	5	Teak	68.0	23.2	180.08	52.46	13.93	16.84	263.31
	6	Teak	39.0	20.5	54.01	16.47	5.45	6.46	82.40
	7	Teak	64.0	22.2	153.28	44.93	12.28	14.82	225.32
	8	Teak	79.0	24.0	249.31	71.74	17.94	21.82	360.81
	9	Teak	69.0	22.0	175.93	51.30	13.68	16.53	257.44
	10	Teak	82.0	22.6	252.85	72.72	18.14	22.06	365.76
	11	Teak	74.0	22.0	201.64	58.49	15.21	18.43	293.76
	12	Teak	52.0	21.5	99.12	29.54	8.75	10.48	147.88
	13	Teak	69.0	20.0	160.33	46.92	12.72	15.36	235.32
	14	Teak	51.0	19.0	84.61	25.37	7.73	9.24	126.94
	15	Teak	54.0	18.5	92.15	27.54	8.26	9.89	137.84
	16	Teak	61.0	21.2	133.46	39.33	11.03	13.27	197.08
	17	Teak	55.0	20.5	105.56	31.38	9.18	11.01	157.14
	18	Teak	32.0	15.0	27.09	8.48	3.18	3.73	42.49
	19	Teak	45.0	21.5	74.78	22.53	7.02	8.37	112.70
	20	Teak	65.0	20.5	146.18	42.93	11.84	14.27	215.22
	21	Teak	32.0	10.0	18.25	5.80	2.34	2.73	29.11
	22	Teak	43.0	17.0	54.44	16.60	5.48	6.51	83.02

Table A.2-1(Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	23	Teak	82.0	20.6	231.01	66.67	16.91	20.53	335.12
	24	Teak	62.0	18.5	120.63	35.68	10.19	12.25	178.75
	25	Teak	73.0	22.3	198.97	57.75	15.05	18.23	290.00
	26	Teak	61.0	22.0	138.36	40.72	11.34	13.66	204.08
	27	Teak	32.0	15.5	27.97	8.75	3.26	3.83	43.81
	28	Teak	66.0	21.6	158.47	46.39	12.61	15.22	232.68
	29	Teak	40.0	18.5	51.34	15.69	5.24	6.21	78.48
	30	Teak	85.0	23.5	281.71	80.69	19.74	24.04	406.17
	31	Teak	58.0	19.5	111.50	33.08	9.59	11.50	165.67
	32	Teak	55.0	11.5	60.09	18.25	5.92	7.04	91.30
	33	Teak	81.0	20.5	224.49	64.85	16.54	20.07	325.95
	34	Teak	73.0	21.0	187.65	54.58	14.38	17.40	274.02
	35	Teak	86.0	19.0	234.28	67.57	17.09	20.76	339.71
	36	Teak	76.0	21.5	207.69	60.18	15.56	18.87	302.30
	37	Teak	69.0	20.5	164.23	48.01	12.96	15.65	240.86
	38	Teak	86.0	21.5	264.27	75.88	18.78	22.85	381.78
	39	Teak	52.0	18.5	85.62	25.66	7.80	9.32	128.40
	40	Teak	46.0	18.0	65.64	19.87	6.34	7.55	99.40
	41	Teak	30.0	17.0	26.99	8.45	3.17	3.72	42.33
	42	Teak	82.0	20.5	229.92	66.36	16.85	20.46	333.58
	43	Teak	55.0	19.5	100.53	29.95	8.84	10.60	149.92
	44	Teak	59.0	20.0	118.16	34.98	10.03	12.05	175.21
	45	Teak	58.0	20.5	117.07	34.67	9.96	11.96	173.66
	46	Teak	63.0	19.5	131.00	38.63	10.87	13.08	193.58
	47	Teak	57.0	18.6	102.93	30.63	9.01	10.80	153.37
	48	Teak	14.0	5.5	2.03	0.70	0.42	0.48	3.64
	49	Teak	82.0	20.5	229.92	66.36	16.85	20.46	333.58
	50	Teak	54.0	19.8	98.46	29.35	8.70	10.42	146.93
	51	Teak	64.0	20.5	141.83	41.70	11.56	13.93	209.02
	52	Teak	65.0	21.0	149.66	43.91	12.06	14.54	220.16
	53	Teak	74.0	21.5	197.17	57.24	14.95	18.10	287.46
	54	Teak	51.0	18.3	81.57	24.49	7.51	8.97	122.54
	55	Teak	66.0	19.6	144.15	42.35	11.71	14.11	212.33
	56	Teak	51.0	18.5	82.44	24.74	7.58	9.05	123.80
	57	Teak	34.0	15.3	31.08	9.68	3.54	4.17	48.47
	58	Teak	56.0	19.5	104.13	30.98	9.09	10.90	155.09
	59	Teak	72.0	20.5	178.44	52.00	13.83	16.72	260.99
	60	Teak	59.0	19.0	112.40	33.34	9.65	11.58	166.96
	61	Teak	73.0	20.5	183.30	53.37	14.12	17.08	267.87
	62	Teak	33.0	13.0	25.02	7.86	2.99	3.51	39.37
	63	Teak	38.0	15.0	37.87	11.71	4.13	4.87	58.58
	64	Teak	99.0	23.0	371.34	105.24	24.48	29.95	531.00
	65	Teak	78.0	22.8	231.34	66.76	16.93	20.56	335.58
	66	Teak	74.0	20.5	188.22	54.74	14.41	17.45	274.83
	67	Teak	57.0	18.6	102.93	30.63	9.01	10.80	153.37
	68	Teak	40.0	16.0	44.57	13.69	4.69	5.55	68.50
	69	Teak	30.0	15.0	23.89	7.52	2.89	3.38	37.67
	70	Teak	30.0	10.5	16.87	5.38	2.20	2.56	27.02
	71	Teak	63.0	21.0	140.81	41.41	11.50	13.85	207.57
	72	Teak	57.0	18.5	102.39	30.48	8.97	10.75	152.59
	73	Teak	65.0	19.0	135.75	39.98	11.17	13.45	200.35
	74	Teak	95.0	20.4	304.84	87.05	20.99	25.60	438.48
	75	Teak	45.0	18.5	64.59	19.57	6.26	7.45	97.87
	76	Teak	67.0	19.0	144.01	42.31	11.70	14.10	212.12
	77	Teak	93.0	21.5	307.82	87.87	21.15	25.80	442.63

Table A.2-1(Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	72	Teak	57.0	18.5	102.39	30.48	8.97	10.75	152.59
	78	Teak	49.0	18.0	74.24	22.37	6.98	8.33	111.92
	79	Teak	81.0	20.5	224.49	64.85	16.54	20.07	325.95
	80	Teak	84.0	21.0	246.70	71.02	17.80	21.63	357.15
	81	Teak	44.0	18.5	61.82	18.76	6.05	7.20	93.83
	82	Teak	63.0	20.0	134.27	39.56	11.08	13.34	198.25
	83	Teak	79.0	20.5	213.81	61.88	15.92	19.31	310.92
	84	Teak	65.0	20.0	142.71	41.95	11.62	14.00	210.27
	85	Teak	76.0	20.3	196.38	57.02	14.90	18.04	286.35
	86	Teak	67.0	20.0	151.39	44.40	12.16	14.67	222.63
	87	Teak	39.0	16.3	43.20	13.29	4.58	5.41	66.47
	88	Teak	54.0	17.2	85.83	25.72	7.82	9.34	128.72
	89	Teak	56.0	19.0	101.53	30.23	8.91	10.68	151.34
	90	Teak	73.0	19.5	174.58	50.92	13.59	16.43	255.53
	91	Teak	61.0	18.0	113.79	33.73	9.74	11.69	168.95
	92	Teak	71.0	20.0	169.51	49.50	13.28	16.05	248.34
	93	Teak	21.0	7.5	6.07	2.01	0.99	1.14	10.20
	94	Teak	49.0	19.0	78.26	23.53	7.27	8.68	117.75
	95	Teak	68.0	19.5	152.03	44.58	12.20	14.72	223.53
	96	Teak	82.0	20.4	228.83	66.06	16.78	20.38	332.05
	97	Teak	91.0	22.5	308.41	88.03	21.18	25.84	443.46
	98	Teak	72.0	22.0	191.15	55.56	14.59	17.66	278.96
	99	Teak	43.0	18.0	57.55	17.51	5.73	6.80	87.59
	100	Teak	33.0	15.0	28.76	8.99	3.34	3.92	45.00
	101	Teak	77.0	20.0	198.55	57.63	15.03	18.20	289.41
	102	Teak	54.0	18.0	89.72	26.84	8.09	9.68	134.34
	103	Teak	73.0	20.5	183.30	53.37	14.12	17.08	267.87
	104	Teak	86.0	21.5	264.27	75.88	18.78	22.85	381.78
	105	Teak	57.0	21.0	115.86	34.32	9.88	11.86	171.92
	106	Teak	99.0	22.4	361.89	102.67	23.99	29.34	517.89
	107	Teak	42.0	18.5	56.46	17.19	5.64	6.70	85.99
	108	Teak	97.0	22.3	346.26	98.40	23.18	28.33	496.17
	109	Teak	77.0	22.0	217.88	63.02	16.15	19.60	316.64
	110	Teak	80.0	21.5	229.53	66.25	16.82	20.43	333.03
		Mean	62.4	19.4	145.39	42.42	11.41	13.78	213.00
		S.D.	18.1	3.1	84.38	23.85	5.41	6.64	120.24
		C.V.	29.0	16.1	58.04	56.23	47.37	48.16	56.45

Table A.2-2. Biomass carbon of successional species in five plots in the 22-year-old teak plantation

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	1	<i>L. glandifolius</i>	44.0	18.0	46.32	12.74	1.60	10.84	71.49
	2	<i>M. pierrei</i>	32.0	9.0	13.64	3.47	0.66	3.72	21.49
	3	<i>A. villosa</i>	47.0	16.0	46.92	12.91	1.61	10.96	72.41
	4	<i>A. villosa</i>	63.0	17.0	85.00	24.29	2.49	18.45	130.23
	5	<i>C. formosum</i>	79.0	21.5	159.89	47.55	3.94	32.09	243.46
	6	<i>A. villosa</i>	59.0	23.0	99.48	28.71	2.79	21.17	152.15
	7	<i>A. villosa</i>	70.0	15.0	91.96	26.41	2.63	19.76	140.76
	8	<i>A. villosa</i>	36.0	22.0	38.52	10.47	1.40	9.22	59.61
	9	<i>A. villosa</i>	56.0	10.0	42.04	11.49	1.49	9.96	64.97
	10	<i>L. glandifolius</i>	38.0	13.0	26.23	6.96	1.06	6.59	40.84
	11	<i>L. glandifolius</i>	39.0	11.0	23.60	6.22	0.98	6.00	36.80
	12	<i>L. glandifolius</i>	20.0	9.5	6.04	1.46	0.36	1.82	9.69
	13	<i>C. formosum</i>	23.0	8.0	6.67	1.62	0.39	1.99	10.67
	14	<i>A. villosa</i>	33.0	9.0	14.44	3.69	0.68	3.90	22.71
	15	<i>C. formosum</i>	86.0	23.0	198.84	59.95	4.62	38.84	302.25
	16	<i>C. formosum</i>	23.0	8.0	6.67	1.62	0.39	1.99	10.67
	17	<i>L. glandifolius</i>	29.0	16.0	19.32	5.03	0.85	5.04	30.23
	18	<i>C. formosum</i>	86.0	25.0	214.67	65.04	4.88	41.54	326.13
	19	<i>L. glandifolius</i>	58.0	20.0	84.78	24.22	2.48	18.41	129.89
	20	<i>L. glandifolius</i>	49.0	18.0	56.45	15.72	1.85	12.89	86.90
	21	<i>A. villosa</i>	22.0	7.0	5.44	1.31	0.34	1.66	8.74
	22	<i>P. serratum</i>	83.0	30.0	237.79	72.51	5.26	45.43	361.00
	23	<i>D. ehretioides</i>	22.0	9.0	6.85	1.67	0.40	2.03	10.95
	24	<i>A. villosa</i>	38.0	11.0	22.50	5.91	0.95	5.76	35.11
	25	<i>A. villosa</i>	19.0	5.0	3.05	0.71	0.22	1.00	4.98
	26	<i>A. villosa</i>	21.0	6.0	4.33	1.03	0.29	1.36	7.01
	27	<i>C. formosum</i>	56.0	22.0	86.76	24.82	2.53	18.78	132.89
	28	<i>A. villosa</i>	56.0	16.0	64.75	18.19	2.04	14.54	99.51
	29	<i>A. villosa</i>	42.0	14.0	33.75	9.10	1.27	8.21	52.33
	30	<i>C. formosum</i>	60.0	20.0	90.23	25.88	2.60	19.44	138.15
	31	<i>A. villosa</i>	31.0	8.0	11.55	2.91	0.58	3.21	18.25
	32	<i>C. formosum</i>	20.0	7.0	4.56	1.08	0.30	1.42	7.37
	33	<i>C. formosum</i>	74.0	24.0	156.86	46.59	3.89	31.55	238.90
	34	<i>A. villosa</i>	50.0	8.0	27.80	7.40	1.10	6.93	43.24
	35	<i>A. villosa</i>	44.0	15.0	39.17	10.66	1.42	9.36	60.60
	36	<i>C. formosum</i>	15.0	7.0	2.69	0.62	0.20	0.90	4.41
	37	<i>M. pierrei</i>	14.0	4.0	1.42	0.31	0.13	0.51	2.37
	38	<i>A. gomezianus</i>	64.0	30.0	147.47	43.63	3.72	29.89	224.71
	39	<i>E. candollei</i>	115.0	33.0	472.65	150.51	8.68	82.92	714.76
	40	<i>C. formosum</i>	78.0	32.0	225.09	68.40	5.06	43.30	341.85
	41	<i>C. formosum</i>	66.0	23.0	122.24	35.74	3.24	25.36	186.59
	42	<i>A. odoratissima</i>	27.0	7.5	8.44	2.09	0.46	2.44	13.43
	43	<i>C. formosum</i>	42.0	13.5	32.64	8.78	1.24	7.98	50.64
	44	<i>C. formosum</i>	65.0	24.0	123.60	36.16	3.27	25.61	188.64
	45	<i>A. villosa</i>	82.0	24.0	189.44	56.94	4.46	37.23	288.06
	46	<i>A. villosa</i>	82.0	23.0	182.17	54.62	4.33	35.97	277.10
	47	<i>D. cultrata</i>	28.0	8.0	9.58	2.38	0.51	2.73	15.20
	48	<i>A. villosa</i>	41.0	12.0	28.02	7.47	1.11	6.98	43.58
	49	<i>A. villosa</i>	63.0	21.0	103.22	29.86	2.87	21.87	157.82
	50	<i>A. villosa</i>	29.0	6.0	7.84	1.93	0.44	2.29	12.50
	51	<i>A. villosa</i>	43.0	10.0	25.87	6.86	1.05	6.51	40.28
	52	<i>A. villosa</i>	70.0	20.0	119.78	34.98	3.19	24.92	182.87
	53	<i>C. formosum</i>	57.0	20.0	82.11	23.41	2.43	17.90	125.85
	54	<i>C. formosum</i>	70.0	24.0	141.63	41.80	3.61	28.85	215.90
	55	<i>A. villosa</i>	70.0	18.0	108.73	31.56	2.98	22.89	166.15
	56	<i>A. villosa</i>	69.0	19.0	111.29	32.35	3.03	23.36	170.02
	57	<i>A. villosa</i>	41.0	7.0	17.08	4.41	0.77	4.52	26.78

Table A.2-2 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon/tree (kg)				
					Stem	Branch	Leaf	Root	Total
2	58	<i>A. villosa</i>	40.0	7.5	17.39	4.50	0.78	4.59	27.26
	59	<i>A. villosa</i>	55.0	12.0	48.09	13.26	1.64	11.20	74.19
	60	<i>C. formosum</i>	78.0	26.0	185.99	55.84	4.40	36.63	282.86
	61	<i>C. formosum</i>	57.0	12.0	51.35	14.21	1.72	11.86	79.15
	62	<i>A. villosa</i>	33.0	8.0	12.95	3.29	0.63	3.55	20.43
	63	<i>L. glandifolius</i>	53.0	16.0	58.51	16.33	1.90	13.30	90.05
	64	<i>A. villosa</i>	70.0	21.0	125.28	36.69	3.30	25.91	191.18
	65	<i>C. formosum</i>	100.0	27.0	304.01	94.15	6.29	56.34	460.79
	66	<i>L. glandifolius</i>	30.0	10.0	13.35	3.39	0.65	3.65	21.03
	67	<i>L. glandifolius</i>	29.0	11.0	13.69	3.49	0.66	3.73	21.56
	68	<i>L. glandifolius</i>	30.0	9.0	12.12	3.06	0.60	3.35	19.13
	69	<i>C. formosum</i>	73.0	22.0	141.23	41.67	3.60	28.78	215.29
	70	<i>A. villosa</i>	53.0	13.0	48.35	13.33	1.65	11.25	74.59
	71	<i>C. formosum</i>	53.0	14.0	51.76	14.33	1.73	11.95	79.77
	72	<i>C. formosum</i>	34.0	10.0	16.80	4.33	0.76	4.46	26.36
	73	<i>L. glandifolius</i>	44.0	16.0	41.56	11.35	1.48	9.86	64.25
	74	<i>L. glandifolius</i>	25.0	5.0	5.05	1.21	0.32	1.56	8.13
	75	<i>L. glandifolius</i>	23.0	6.0	5.12	1.23	0.32	1.58	8.24
	76	<i>L. glandifolius</i>	18.0	5.0	2.76	0.64	0.21	0.92	4.52
	77	<i>F. hispida</i>	46.0	12.0	34.62	9.35	1.29	8.40	53.67
	78	<i>L. glandifolius</i>	22.0	16.0	11.63	2.93	0.58	3.23	18.37
	79	<i>F. hispida</i>	39.0	10.0	21.62	5.67	0.92	5.56	33.77
	80	<i>A. villosa</i>	67.0	12.0	69.11	19.49	2.14	15.39	106.14
	81	<i>C. formosum</i>	14.0	6.0	2.06	0.46	0.17	0.71	3.40
	82	<i>C. formosum</i>	24.0	9.0	8.04	1.98	0.45	2.34	12.80
	83	<i>L. glutinosa</i>	34.0	10.0	16.80	4.33	0.76	4.46	26.36
	84	<i>S. aqueum</i>	21.0	8.0	5.64	1.36	0.35	1.72	9.06
	85	<i>A. villosa</i>	35.0	10.0	17.72	4.59	0.79	4.67	27.77
	86	<i>D. cultrata</i>	20.0	8.0	5.16	1.24	0.32	1.59	8.31
	87	<i>A. villosa</i>	61.0	12.0	58.17	16.23	1.89	13.23	89.51
	88	<i>L. glutinosa</i>	36.0	13.0	23.75	6.26	0.98	6.04	37.03
	89	<i>C. formosum</i>	62.0	18.0	86.99	24.90	2.53	18.83	133.24
	90	<i>A. villosa</i>	39.0	8.0	17.61	4.56	0.79	4.65	27.60
	91	<i>C. formosum</i>	27.0	8.0	8.96	2.22	0.48	2.57	14.23
	1	<i>B. anceps</i>	53.0	15.5	56.83	15.83	1.86	12.97	87.49
	2	<i>G. arboreas</i>	120.0	16.0	262.77	80.64	5.66	49.58	398.65
	3	<i>M. pierrei</i>	47.0	11.5	34.64	9.35	1.29	8.40	53.69
	4	<i>D. dongnaiensis</i>	93.0	30.4	296.68	91.74	6.18	55.14	449.75
	5	<i>G. arboreas</i>	113.0	15.0	221.74	67.32	5.00	42.73	336.79
	6	<i>D. dongnaiensis</i>	125.0	18.0	315.63	97.98	6.47	58.22	478.29
	7	<i>S. pinnata</i>	120.0	18.0	292.81	90.47	6.12	54.51	443.92
	8	<i>P. emblica</i>	95.0	16.5	175.95	52.64	4.23	34.89	267.71
	9	<i>C. formosum</i>	93.0	15.5	159.75	47.51	3.94	32.06	243.26
3	10	<i>P. emblica</i>	73.0	12.0	80.91	23.05	2.40	17.67	124.03
	1	<i>C. formosum</i>	93.0	16.5	169.20	50.50	4.11	33.72	257.52
	2	<i>P. emblica</i>	47.0	12.3	36.85	9.99	1.35	8.87	57.06
	3	<i>C. formosum</i>	53.0	14.0	51.76	14.33	1.73	11.95	79.77
4	4	<i>D. dongnaiensis</i>	64.0	13.3	69.83	19.71	2.16	15.53	107.23
	5	<i>S. cumini</i>	15.8	17.3	6.80	1.66	0.40	2.02	10.87
	6	<i>D. dongnaiensis</i>	56.0	14.5	59.15	16.52	1.91	13.43	91.00
	7	<i>D. dongnaiensis</i>	66.0	13.5	74.91	21.24	2.27	16.52	114.94
5	1	<i>G. pinnata</i>	62.0	18.0	86.99	24.90	2.53	18.83	133.24
	1	<i>C. formosum</i>	61.0	11.5	55.93	15.57	1.83	12.79	86.12
	2	<i>C. formosum</i>	62.0	15.0	73.57	20.83	2.24	16.26	112.90
	3	<i>C. formosum</i>	38.0	8.0	16.79	4.33	0.76	4.46	26.34
	4	<i>D. dongnaiensis</i>	69.0	21.2	123.07	36.00	3.26	25.51	187.85

Table A.3-1. Biomass water of teak in five plots in the 22-year-old plantation

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	1	Teak	44.0	14.0	91.86	52.66	18.42	11.71	174.65
	2	Teak	56.0	12.0	126.49	71.63	23.63	15.10	236.85
	3	Teak	31.0	10.5	35.07	20.85	8.70	5.45	70.06
	4	Teak	80.0	23.0	477.91	257.29	66.57	43.46	845.23
	5	Teak	38.0	13.0	64.22	37.32	13.93	8.81	124.28
	6	Teak	77.0	22.0	424.79	229.72	60.73	39.57	754.82
	7	Teak	63.0	21.0	274.54	150.95	43.22	27.97	496.69
	8	Teak	50.0	9.0	76.62	44.23	15.99	10.14	146.97
	9	Teak	56.0	13.0	136.75	77.21	25.11	16.07	255.14
	10	Teak	62.0	14.0	179.25	100.17	31.01	19.93	330.35
	11	Teak	31.0	10.0	33.44	19.92	8.38	5.24	66.98
	12	Teak	40.0	10.0	54.96	32.13	12.34	7.78	107.21
	13	Teak	21.0	3.0	4.84	3.10	1.86	1.13	10.93
	14	Teak	58.0	23.0	255.34	140.78	40.85	26.40	463.37
	15	Teak	50.0	18.0	150.56	84.70	27.07	17.35	279.68
	16	Teak	19.0	5.0	6.55	4.15	2.35	1.43	14.50
	17	Teak	66.0	23.0	328.47	179.38	49.71	32.26	589.81
	18	Teak	51.0	20.0	173.41	97.03	30.22	19.41	320.07
	19	Teak	60.0	25.0	295.87	162.22	45.82	29.68	533.60
	20	Teak	73.0	29.0	501.12	269.30	69.08	45.13	884.63
	21	Teak	39.0	12.0	62.48	36.35	13.64	8.62	121.09
	22	Teak	42.0	13.0	78.05	45.02	16.22	10.29	149.58
	23	Teak	50.0	15.0	126.05	71.39	23.57	15.06	236.07
	24	Teak	40.0	11.5	62.98	36.62	13.72	8.67	122.00
	25	Teak	72.0	23.0	389.18	211.16	56.73	36.91	693.99
	26	Teak	84.0	20.0	458.66	247.31	64.47	42.06	812.51
	27	Teak	54.0	15.0	146.45	82.48	26.49	16.97	272.39
	28	Teak	81.0	23.0	489.62	263.35	67.84	44.31	865.12
	29	Teak	49.0	19.0	152.58	85.79	27.35	17.53	283.26
	30	Teak	40.0	17.5	94.82	54.29	18.88	12.01	180.00
	31	Teak	66.0	20.0	286.64	157.35	44.70	28.94	517.64
	32	Teak	46.0	18.0	127.98	72.44	23.85	15.24	239.51
	33	Teak	52.0	19.0	171.32	95.90	29.93	19.22	316.38
	34	Teak	44.0	14.0	91.86	52.66	18.42	11.71	174.65
	35	Teak	55.0	18.0	181.30	101.27	31.28	20.11	333.97
	36	Teak	57.0	18.0	194.38	108.29	33.03	21.25	356.94
	37	Teak	50.0	16.0	134.24	75.85	24.75	15.83	250.67
	38	Teak	68.0	16.0	244.44	135.00	39.48	25.50	444.41
	39	Teak	70.0	15.0	242.88	134.17	39.29	25.37	441.70
	40	Teak	33.0	11.0	41.45	24.49	9.91	6.22	82.07
	41	Teak	63.0	12.0	159.13	89.33	28.26	18.13	294.84
	42	Teak	43.0	10.0	63.28	36.79	13.78	8.71	122.55
	43	Teak	35.0	10.0	42.36	25.01	10.08	6.33	83.78
	44	Teak	28.0	6.0	16.67	10.20	4.87	3.01	34.75
	45	Teak	41.0	11.0	63.28	36.79	13.78	8.71	122.56
	46	Teak	33.0	6.0	22.96	13.87	6.25	3.89	46.98
	47	Teak	40.0	10.0	54.96	32.13	12.34	7.78	107.21
	48	Teak	46.0	13.0	93.20	53.39	18.63	11.85	177.06
	49	Teak	70.0	23.0	368.39	200.30	54.35	35.34	658.38
	50	Teak	97.0	24.0	725.22	384.28	92.13	60.55	1,262.19
	51	Teak	54.0	12.0	117.83	66.91	22.36	14.27	221.37
	52	Teak	24.0	8.0	16.34	10.00	4.80	2.97	34.10
	53	Teak	36.0	8.0	36.01	21.39	8.88	5.56	71.84
	54	Teak	62.0	15.0	191.71	106.86	32.67	21.02	352.27
	55	Teak	52.0	13.0	118.35	67.19	22.44	14.32	222.31
	56	Teak	55.0	16.0	161.64	90.69	28.61	18.35	299.29

Table A.3-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
		Mean	51.7	15.2	173.59	95.91	28.44	18.33	316.27
		S.D.	16.6	5.7	152.81	81.37	19.78	13.00	266.83
		C.V.	32.0	37.6	88.03	84.84	69.56	70.90	84.37
2	1	Teak	63.0	14.3	188.78	105.29	32.28	20.77	347.13
	2	Teak	97.0	15.0	458.71	247.33	64.48	42.07	812.59
	3	Teak	62.0	13.5	173.00	96.81	30.16	19.37	319.35
	4	Teak	64.0	14.5	197.32	109.87	33.42	21.51	362.12
	5	Teak	36.0	10.5	46.94	27.60	10.91	6.87	92.32
	6	Teak	29.0	8.5	25.06	15.09	6.69	4.17	51.02
	7	Teak	62.0	15.0	191.71	106.86	32.67	21.02	352.27
	8	Teak	54.0	14.0	136.93	77.31	25.14	16.09	255.46
	9	Teak	70.0	15.5	250.76	138.36	40.28	26.02	455.42
	10	Teak	75.0	14.5	268.81	147.92	42.52	27.50	486.75
	11	Teak	85.0	14.5	343.08	187.04	51.42	33.39	614.94
	12	Teak	57.0	15.0	162.73	91.28	28.76	18.45	301.22
	13	Teak	54.0	14.5	141.69	79.90	25.82	16.53	263.94
	14	Teak	28.0	4.0	11.23	6.97	3.58	2.20	23.98
	15	Teak	93.0	15.4	433.54	234.27	61.70	40.22	769.73
	16	Teak	68.0	14.3	219.09	121.50	36.25	23.38	400.22
	17	Teak	64.0	13.5	184.05	102.75	31.65	20.35	338.80
	18	Teak	62.0	10.5	135.42	76.49	24.92	15.94	252.77
	19	Teak	50.0	13.7	115.39	65.58	22.00	14.04	217.01
	20	Teak	74.0	15.0	270.66	148.90	42.75	27.65	489.96
	21	Teak	58.0	10.5	118.91	67.50	22.52	14.38	223.31
	22	Teak	76.0	14.5	275.84	151.64	43.38	28.07	498.93
	23	Teak	110.0	15.8	616.59	328.74	81.19	53.22	1,079.74
	24	Teak	57.0	14.6	158.50	88.99	28.17	18.07	293.73
	25	Teak	26.0	8.5	20.26	12.30	5.67	3.52	41.75
	26	Teak	54.0	12.5	122.61	69.52	23.06	14.73	229.93
	27	Teak	53.0	13.4	126.51	71.64	23.63	15.10	236.90
	28	Teak	86.0	15.0	362.78	197.37	53.71	34.91	648.76
	29	Teak	87.0	15.5	383.10	207.99	56.04	36.45	683.57
	30	Teak	68.0	14.0	214.61	119.11	35.68	22.99	392.39
	31	Teak	96.0	14.3	429.08	231.95	61.21	39.89	762.13
	32	Teak	46.0	12.1	86.90	49.92	17.64	11.21	165.67
	33	Teak	75.0	15.2	281.45	154.60	44.07	28.53	508.64
	34	Teak	53.0	14.0	132.03	74.65	24.43	15.63	246.74
	35	Teak	65.0	15.5	217.04	120.41	35.99	23.20	396.63
	36	Teak	79.0	15.8	323.42	176.72	49.11	31.86	581.11
	37	Teak	76.0	13.5	257.28	141.81	41.09	26.56	466.75
	38	Teak	45.0	12.0	82.59	47.53	16.95	10.76	157.83
	39	Teak	112.0	16.5	666.19	354.14	86.24	56.60	1,163.17
	40	Teak	105.0	16.0	570.09	304.86	76.38	50.01	1,001.33
	41	Teak	66.0	15.8	227.81	126.15	37.37	24.11	415.44
	42	Teak	28.0	6.5	18.02	10.99	5.18	3.21	37.39
	43	Teak	85.0	15.0	354.60	193.08	52.76	34.28	634.73
	44	Teak	33.0	8.5	32.24	19.23	8.15	5.09	64.71
	45	Teak	68.0	15.0	229.53	127.07	37.59	24.26	418.45
	46	Teak	75.0	15.8	292.27	160.32	45.38	29.40	527.37
	47	Teak	81.0	15.5	333.29	181.91	50.27	32.63	598.10
	48	Teak	92.0	15.8	435.24	235.15	61.89	40.35	772.63
	49	Teak	86.0	15.2	367.49	199.83	54.25	35.27	656.84
	50	Teak	80.0	15.8	331.45	180.94	50.06	32.49	594.93
	51	Teak	75.0	15.5	286.86	157.46	44.73	28.96	518.01
	52	Teak	67.0	14.0	208.50	115.85	34.88	22.47	381.70
	53	Teak	107.0	16.2	598.65	319.53	79.34	51.99	1,049.51
	54	Teak	80.0	16.0	335.54	183.09	50.54	32.81	601.97
	55	Teak	102.0	16.5	555.17	297.18	74.82	48.96	976.13

Table A.3-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	56	Teak	65.0	13.5	189.70	105.78	32.40	20.85	348.72
	57	Teak	43.0	10.0	63.28	36.79	13.78	8.71	122.55
	58	Teak	60.0	13.2	158.78	89.14	28.21	18.09	294.22
	59	Teak	66.0	15.0	216.56	120.15	35.93	23.16	395.80
	60	Teak	104.0	13.5	474.16	255.34	66.17	43.19	838.86
	61	Teak	46.0	15.7	112.01	63.73	21.50	13.71	210.95
	62	Teak	74.0	10.5	191.19	106.58	32.60	20.98	351.35
	63	Teak	76.0	14.0	266.56	146.73	42.24	27.32	482.86
	64	Teak	74.0	14.5	261.87	144.24	41.66	26.94	474.70
	65	Teak	82.0	15.0	330.62	180.50	49.96	32.42	593.50
	66	Teak	60.0	15.5	185.68	103.63	31.87	20.49	341.67
	67	Teak	31.0	14.0	46.42	27.31	10.82	6.81	91.35
	68	Teak	53.0	6.5	62.51	36.36	13.64	8.62	121.13
	69	Teak	28.0	14.2	38.59	22.87	9.37	5.88	76.71
	70	Teak	93.0	10.5	298.48	163.60	46.13	29.89	538.10
	71	Teak	76.0	15.4	292.51	160.45	45.41	29.41	527.78
	72	Teak	54.0	12.0	117.83	66.91	22.36	14.27	221.37
	73	Teak	76.0	14.0	266.56	146.73	42.24	27.32	482.86
	74	Teak	62.0	13.2	169.26	94.79	29.65	19.04	312.74
	75	Teak	46.0	12.5	89.70	51.47	18.08	11.49	170.74
	76	Teak	57.0	13.4	145.79	82.12	26.40	16.91	271.21
	77	Teak	6.0	14.0	1.89	1.26	0.89	0.53	4.57
	78	Teak	65.0	13.5	189.70	105.78	32.40	20.85	348.72
		Mean	66.6	13.7	233.04	127.93	36.60	23.67	421.24
		S.D.	21.7	2.5	150.45	79.91	19.17	12.61	262.02
		C.V.	32.5	18.1	64.56	62.47	52.39	53.28	62.20
3	1	Teak	103.0	15.3	525.68	281.98	71.70	46.88	926.25
	2	Teak	73.0	13.5	237.86	131.50	38.65	24.95	432.96
	3	Teak	92.0	15.1	416.44	225.37	59.80	38.95	740.56
	4	Teak	50.0	12.5	105.53	60.18	20.52	13.08	199.30
	5	Teak	116.0	15.8	683.84	363.16	88.01	57.79	1,192.81
	6	Teak	71.0	13.7	228.57	126.56	37.47	24.18	416.78
	7	Teak	77.0	14.0	273.44	150.37	43.09	27.88	494.78
	8	Teak	71.0	12.5	209.04	116.14	34.95	22.52	382.64
	9	Teak	41.0	8.5	49.22	28.89	11.33	7.13	96.57
	10	Teak	29.0	8.0	23.62	14.26	6.39	3.98	48.26
	11	Teak	60.0	13.7	164.64	92.30	29.02	18.62	304.58
	12	Teak	90.0	15.6	411.84	222.98	59.29	38.61	732.72
	13	Teak	52.0	14.0	127.22	72.03	23.74	15.17	238.16
	14	Teak	49.0	12.5	101.46	57.94	19.90	12.67	191.97
	15	Teak	51.0	13.5	118.23	67.12	22.42	14.31	222.08
	16	Teak	84.0	15.0	346.52	188.85	51.82	33.66	620.84
	17	Teak	57.0	14.2	154.27	86.70	27.58	17.69	286.24
	18	Teak	79.0	13.5	277.45	152.49	43.58	28.20	501.72
	19	Teak	56.0	13.5	141.87	79.99	25.84	16.55	264.25
	20	Teak	64.0	13.8	188.03	104.89	32.18	20.70	345.80
	21	Teak	43.0	12.1	76.20	43.99	15.92	10.09	146.20
	22	Teak	92.0	14.0	386.84	209.94	56.46	36.74	689.98
	23	Teak	101.0	14.6	483.40	260.13	67.17	43.86	854.55
	24	Teak	56.0	12.5	131.62	74.42	24.37	15.59	246.00
	25	Teak	47.0	12.0	89.89	51.57	18.11	11.51	171.08
	26	Teak	42.0	11.5	69.26	40.13	14.78	9.36	133.53
	27	Teak	70.0	14.5	234.98	129.97	38.29	24.71	427.95
	28	Teak	63.0	12.0	159.13	89.33	28.26	18.13	294.84
	29	Teak	33.0	11.5	43.29	25.53	10.25	6.44	85.50
	30	Teak	51.0	11.3	99.41	56.81	19.59	12.47	188.28
	31	Teak	85.0	14.2	336.16	183.41	50.61	32.86	603.04
	32	Teak	37.0	11.5	54.10	31.64	12.19	7.69	105.62

Table A.3-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	33	Teak	71.0	14.5	241.57	133.47	39.12	25.26	439.43
	34	Teak	59.0	13.5	157.06	88.21	27.97	17.94	291.19
	35	Teak	109.0	15.5	594.50	317.40	78.92	51.70	1,042.52
	36	Teak	44.0	12.3	80.97	46.64	16.69	10.59	154.90
	37	Teak	70.0	14.6	236.56	130.81	38.49	24.85	430.71
	38	Teak	82.0	14.5	319.87	174.86	48.69	31.58	575.00
	39	Teak	68.0	14.0	214.61	119.11	35.68	22.99	392.39
	40	Teak	44.0	12.5	82.26	47.35	16.90	10.73	157.23
	41	Teak	64.0	13.5	184.05	102.75	31.65	20.35	338.80
	42	Teak	47.0	12.5	93.54	53.58	18.68	11.88	177.69
	43	Teak	102.0	15.0	505.92	271.78	69.59	45.48	892.77
	44	Teak	53.0	13.3	125.59	71.14	23.50	15.02	235.25
	45	Teak	67.0	12.5	186.70	104.17	32.01	20.58	343.45
	46	Teak	37.0	11.0	51.81	30.35	11.79	7.43	101.37
	47	Teak	102.0	13.5	456.55	246.22	64.24	41.91	808.92
	48	Teak	90.0	14.0	370.62	201.47	54.61	35.51	662.20
	49	Teak	77.0	15.0	292.46	160.42	45.41	29.41	527.70
	50	Teak	64.0	14.5	197.32	109.87	33.42	21.51	362.12
	51	Teak	98.0	15.0	467.97	252.14	65.49	42.74	828.34
	52	Teak	44.0	9.0	59.72	34.80	13.17	8.32	116.00
	53	Teak	66.0	14.5	209.52	116.39	35.01	22.56	383.49
	54	Teak	54.0	14.0	136.93	77.31	25.14	16.09	255.46
	55	Teak	91.0	15.0	405.03	219.43	58.52	38.10	721.08
	56	Teak	54.0	14.0	136.93	77.31	25.14	16.09	255.46
	57	Teak	86.0	14.5	350.99	191.19	52.34	34.00	628.53
	58	Teak	65.0	14.0	196.54	109.45	33.31	21.44	360.74
	59	Teak	53.0	13.5	127.43	72.15	23.77	15.19	238.54
	60	Teak	45.0	13.0	89.29	51.24	18.01	11.45	169.99
	61	Teak	74.0	13.5	244.25	134.90	39.46	25.49	444.09
	62	Teak	88.0	14.5	367.08	199.61	54.20	35.24	656.13
	63	Teak	79.0	14.0	287.46	157.78	44.80	29.01	519.04
	64	Teak	76.0	14.0	266.56	146.73	42.24	27.32	482.86
	65	Teak	42.0	12.5	75.13	43.40	15.75	9.98	144.25
	66	Teak	66.0	15.0	216.56	120.15	35.93	23.16	395.80
	67	Teak	72.0	15.1	258.25	142.33	41.21	26.64	468.43
	68	Teak	57.0	13.0	141.55	79.82	25.79	16.52	263.67
	69	Teak	67.0	14.5	215.75	119.72	35.82	23.09	394.39
	70	Teak	88.0	15.3	386.80	209.92	56.46	36.73	689.91
	71	Teak	61.0	14.2	176.07	98.46	30.58	19.65	324.75
	72	Teak	56.0	12.5	131.62	74.42	24.37	15.59	246.00
	73	Teak	32.0	11.5	40.77	24.10	9.78	6.14	80.79
	74	Teak	43.0	12.1	76.20	43.99	15.92	10.09	146.20
	75	Teak	57.0	13.5	146.85	82.69	26.54	17.01	273.09
	76	Teak	46.0	12.5	89.70	51.47	18.08	11.49	170.74
	77	Teak	44.0	10.5	69.40	40.21	14.80	9.37	133.79
		Mean	65.4	13.4	217.03	119.50	34.70	22.42	393.65
		S.D.	20.2	1.6	144.05	76.43	18.15	11.96	250.52
		C.V.	30.9	11.6	66.37	63.96	52.31	53.33	63.64
4	1	Teak	86.0	23.0	550.26	294.65	74.30	48.62	967.83
	2	Teak	58.0	19.0	211.96	117.70	35.33	22.77	387.75
	3	Teak	68.0	21.5	326.00	178.08	49.41	32.06	585.56
	4	Teak	59.0	18.5	213.52	118.53	35.53	22.90	390.48
	5	Teak	51.0	15.0	131.01	74.09	24.29	15.53	244.92
	6	Teak	93.0	22.0	613.75	327.29	80.90	53.03	1,074.97
	7	Teak	66.0	20.5	293.62	161.03	45.55	29.50	529.71
	8	Teak	96.0	22.5	667.39	354.76	86.36	56.68	1,165.19
	9	Teak	90.0	23.2	606.34	323.48	80.14	52.52	1,062.48
	10	Teak	51.0	18.0	156.49	87.91	27.89	17.89	290.18

Table A.3-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	11	Teak	67.0	20.0	295.17	161.85	45.73	29.63	532.38
	12	Teak	72.0	20.5	347.90	189.57	51.98	33.76	623.21
	13	Teak	101.0	23.0	752.78	398.31	94.85	62.38	1,308.32
	14	Teak	67.0	21.0	309.54	169.42	47.46	30.77	557.20
	15	Teak	56.0	20.0	208.09	115.63	34.83	22.44	380.99
	16	Teak	64.0	21.5	289.67	158.95	45.07	29.19	522.87
	17	Teak	64.0	22.0	296.23	162.41	45.86	29.71	534.22
	18	Teak	68.0	21.6	327.48	178.86	49.59	32.18	588.11
	19	Teak	92.0	22.5	614.26	327.55	80.95	53.06	1,075.83
	20	Teak	47.0	18.5	137.07	77.39	25.16	16.10	255.71
	21	Teak	58.0	20.2	224.99	124.65	37.01	23.87	410.53
	22	Teak	60.0	20.0	238.04	131.60	38.68	24.97	433.29
	23	Teak	57.0	19.0	204.89	113.92	34.41	22.16	375.39
	24	Teak	106.0	23.0	827.12	436.08	102.07	67.23	1,432.50
	25	Teak	104.0	20.5	712.42	377.75	90.87	59.70	1,240.75
	26	Teak	59.0	18.5	213.52	118.53	35.53	22.90	390.48
	27	Teak	71.0	20.5	338.54	184.66	50.89	33.04	607.13
	28	Teak	69.0	21.2	330.85	180.63	49.99	32.44	593.91
	29	Teak	91.0	22.5	601.32	320.90	79.62	52.17	1,054.01
	30	Teak	96.0	23.0	681.84	362.14	87.81	57.66	1,189.45
	31	Teak	52.0	18.5	166.93	93.54	29.33	18.83	308.62
	32	Teak	39.0	17.0	87.74	50.38	17.77	11.29	167.19
	33	Teak	75.0	20.5	376.71	204.65	55.31	35.97	672.63
	34	Teak	44.0	18.0	117.36	66.65	22.29	14.23	220.52
	35	Teak	58.0	20.0	222.82	123.49	36.73	23.69	406.74
	36	Teak	68.0	22.0	333.39	181.96	50.28	32.64	598.28
	37	Teak	82.0	22.5	490.85	263.98	67.97	44.39	867.19
	38	Teak	46.0	19.0	134.90	76.21	24.85	15.90	251.85
	39	Teak	89.0	21.0	538.38	288.53	73.05	47.78	947.74
	40	Teak	90.0	21.5	563.00	301.21	75.64	49.51	989.35
	41	Teak	81.0	21.2	452.24	243.98	63.77	41.60	801.58
	42	Teak	74.0	22.0	393.13	213.22	57.18	37.21	700.74
	43	Teak	70.0	22.2	355.90	193.76	52.91	34.38	636.95
	44	Teak	70.0	20.5	329.31	179.82	49.80	32.32	591.25
	45	Teak	48.0	17.0	131.51	74.37	24.36	15.58	245.82
	46	Teak	68.0	21.5	326.00	178.08	49.41	32.06	585.56
	47	Teak	91.0	22.0	588.29	314.21	78.27	51.27	1,032.05
	48	Teak	38.0	15.0	73.83	42.68	15.53	9.84	141.88
	49	Teak	55.0	18.3	184.25	102.86	31.68	20.37	339.15
	50	Teak	93.0	20.5	572.93	306.32	76.68	50.20	1,006.13
	51	Teak	49.0	18.5	148.67	83.67	26.80	17.17	276.32
	52	Teak	116.0	22.0	944.21	495.32	113.17	74.69	1,627.38
	53	Teak	94.0	21.3	607.24	323.95	80.23	52.58	1,064.00
	54	Teak	87.0	20.5	503.09	270.31	69.29	45.27	887.97
	55	Teak	31.0	13.5	44.80	26.39	10.53	6.62	88.34
	56	Teak	82.0	21.5	469.57	252.97	65.67	42.86	831.06
	57	Teak	87.0	20.5	503.09	270.31	69.29	45.27	887.97
	58	Teak	84.0	21.5	492.16	264.66	68.11	44.49	869.42
	59	Teak	37.0	18.4	85.53	49.16	17.42	11.06	163.18
	60	Teak	61.0	19.2	236.25	130.64	38.45	24.82	430.16
	61	Teak	81.0	20.0	427.27	231.01	61.01	39.76	759.05
	62	Teak	96.0	20.5	609.51	325.11	80.46	52.74	1,067.82
	63	Teak	70.0	19.5	313.64	171.58	47.95	31.09	564.26
	64	Teak	77.0	19.0	368.23	200.22	54.33	35.32	658.11
	65	Teak	53.0	18.3	171.41	95.95	29.94	19.23	316.54
	66	Teak	93.0	21.5	600.16	320.31	79.50	52.09	1,052.06
	67	Teak	78.0	20.5	406.64	220.27	58.70	38.22	723.83
	68	Teak	53.0	18.5	173.24	96.94	30.19	19.39	319.76

Table A.3-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	69	Teak	115.0	22.5	948.97	497.72	113.61	74.99	1,635.28
	70	Teak	48.0	19.0	146.57	82.54	26.51	16.98	272.60
	71	Teak	63.0	20.0	261.79	144.21	41.65	26.93	474.58
	72	Teak	65.0	20.5	285.02	156.49	44.50	28.81	514.82
	73	Teak	109.0	22.5	854.85	450.14	104.73	69.01	1,478.74
	74	Teak	65.0	20.5	285.02	156.49	44.50	28.81	514.82
	75	Teak	62.0	20.0	253.76	139.94	40.65	26.27	460.62
	76	Teak	81.0	20.5	437.68	236.42	62.16	40.53	776.79
	77	Teak	82.0	21.0	458.93	247.45	64.50	42.08	812.96
	78	Teak	56.0	18.5	192.87	107.48	32.83	21.12	354.29
	79	Teak	71.0	20.5	338.54	184.66	50.89	33.04	607.13
	80	Teak	96.0	22.0	652.94	347.36	84.90	55.70	1,140.90
	81	Teak	74.0	20.0	358.26	195.00	53.18	34.56	641.00
	82	Teak	84.0	20.5	469.83	253.10	65.69	42.88	831.50
	83	Teak	41.0	18.0	102.27	58.38	20.02	12.75	193.43
	84	Teak	89.0	21.0	538.38	288.53	73.05	47.78	947.74
	85	Teak	51.0	19.5	169.19	94.76	29.64	19.03	312.62
	86	Teak	72.0	20.5	347.90	189.57	51.98	33.76	623.21
	87	Teak	105.0	22.0	777.55	410.92	97.27	64.00	1,349.75
	88	Teak	63.0	18.4	241.36	133.36	39.10	25.25	439.06
	89	Teak	73.0	20.3	353.98	192.76	52.69	34.23	633.66
	90	Teak	48.0	18.0	139.05	78.46	25.44	16.28	259.23
	91	Teak	104.0	21.6	749.66	396.73	94.54	62.17	1,303.10
	92	Teak	69.0	20.1	314.11	171.83	48.00	31.13	565.07
	93	Teak	61.0	19.5	239.85	132.56	38.90	25.12	436.43
	94	Teak	110.0	22.5	870.21	457.91	106.19	70.00	1,504.31
	95	Teak	75.0	21.8	399.97	216.79	57.95	37.72	712.44
	96	Teak	43.0	15.0	93.95	53.81	18.74	11.92	178.42
	97	Teak	95.0	20.5	597.20	318.79	79.19	51.89	1,047.07
	98	Teak	80.0	20.0	417.05	225.69	59.87	39.00	741.61
	99	Teak	69.0	19.2	300.39	164.60	46.36	30.04	541.40
	100	Teak	106.0	21.0	756.94	400.43	95.26	62.65	1,315.29
	101	Teak	60.0	20.0	238.04	131.60	38.68	24.97	433.29
	102	Teak	37.0	12.0	56.39	32.93	12.59	7.94	109.86
	103	Teak	40.0	13.5	73.63	42.56	15.50	9.82	141.52
	104	Teak	130.0	23.5	1,257.31	652.41	141.46	93.79	2,144.98
	105	Teak	102.0	22.5	751.11	397.46	94.69	62.27	1,305.53
	106	Teak	94.0	21.8	621.13	331.07	81.66	53.53	1,087.39
	107	Teak	60.0	17.0	203.17	113.00	34.19	22.01	372.38
	108	Teak	93.0	21.3	594.71	317.51	78.94	51.72	1,042.88
	109	Teak	56.0	20.0	208.09	115.63	34.83	22.44	380.99
	110	Teak	35.0	10.0	42.36	25.01	10.08	6.33	83.78
	111	Teak	84.0	20.5	469.83	253.10	65.69	42.88	831.50
	112	Teak	94.0	21.5	612.80	326.80	80.80	52.96	1,073.36
	113	Teak	66.0	21.0	300.60	164.71	46.39	30.06	541.76
	114	Teak	87.0	20.5	503.09	270.31	69.29	45.27	887.97
	115	Teak	106.0	21.5	774.50	409.37	96.98	63.80	1,344.65
		Mean	73.2	20.1	394.15	212.39	55.55	36.22	698.31
		S.D.	20.8	2.3	234.43	121.92	26.30	17.47	400.01
		C.V.	28.5	11.4	59.48	57.40	47.35	48.23	57.28
5	1	Teak	74.0	23.0	410.53	222.30	59.14	38.51	730.48
	2	Teak	68.0	22.5	340.77	185.83	51.15	33.21	610.97
	3	Teak	93.0	23.3	649.07	345.39	84.51	55.44	1,134.41
	4	Teak	62.0	22.0	278.46	153.02	43.70	28.29	503.47
	5	Teak	68.0	23.2	351.10	191.25	52.35	34.01	628.72
	6	Teak	39.0	20.5	105.30	60.05	20.49	13.05	198.89
	7	Teak	64.0	22.2	298.86	163.79	46.18	29.92	538.75
	8	Teak	79.0	24.0	486.08	261.52	67.46	44.05	859.11

Table A.3-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	9	Teak	69.0	22.0	343.01	187.01	51.41	33.39	614.82
	10	Teak	82.0	22.6	492.97	265.08	68.20	44.55	870.80
	11	Teak	74.0	22.0	393.13	213.22	57.18	37.21	700.74
	12	Teak	52.0	21.5	193.25	107.69	32.88	21.16	354.98
	13	Teak	69.0	20.0	312.59	171.02	47.82	31.01	562.44
	14	Teak	51.0	19.0	164.96	92.48	29.06	18.65	305.15
	15	Teak	54.0	18.5	179.67	100.40	31.06	19.96	331.09
	16	Teak	61.0	21.2	260.20	143.36	41.45	26.80	471.82
	17	Teak	55.0	20.5	205.80	114.41	34.53	22.24	376.98
	18	Teak	32.0	15.0	52.82	30.92	11.97	7.54	103.24
	19	Teak	45.0	21.5	145.79	82.12	26.40	16.91	271.22
	20	Teak	65.0	20.5	285.02	156.49	44.50	28.81	514.82
	21	Teak	32.0	10.0	35.57	21.14	8.79	5.51	71.02
	22	Teak	43.0	17.0	106.13	60.51	20.61	13.14	200.39
	23	Teak	82.0	20.6	450.40	243.03	63.57	41.46	798.46
	24	Teak	62.0	18.5	235.19	130.08	38.31	24.73	428.31
	25	Teak	73.0	22.3	387.93	210.51	56.58	36.82	691.84
	26	Teak	61.0	22.0	269.77	148.43	42.64	27.58	488.42
	27	Teak	32.0	15.5	54.53	31.89	12.27	7.74	106.42
	28	Teak	66.0	21.6	308.97	169.12	47.39	30.72	556.20
	29	Teak	40.0	18.5	100.10	57.19	19.69	12.54	189.52
	30	Teak	85.0	23.5	549.25	294.13	74.19	48.55	966.12
	31	Teak	58.0	19.5	217.39	120.60	36.04	23.23	397.26
	32	Teak	55.0	11.5	117.16	66.54	22.26	14.21	220.17
	33	Teak	81.0	20.5	437.68	236.42	62.16	40.53	776.79
	34	Teak	73.0	21.0	365.87	198.98	54.06	35.14	654.06
	35	Teak	86.0	19.0	456.77	246.33	64.27	41.93	809.30
	36	Teak	76.0	21.5	404.93	219.38	58.51	38.10	720.91
	37	Teak	69.0	20.5	320.20	175.03	48.73	31.61	575.57
	38	Teak	86.0	21.5	515.25	276.60	70.59	46.14	908.58
	39	Teak	52.0	18.5	166.93	93.54	29.33	18.83	308.62
	40	Teak	46.0	18.0	127.98	72.44	23.85	15.24	239.51
	41	Teak	30.0	17.0	52.61	30.81	11.93	7.52	102.87
	42	Teak	82.0	20.5	448.27	241.92	63.33	41.30	794.83
	43	Teak	55.0	19.5	196.01	109.17	33.24	21.40	359.82
	44	Teak	59.0	20.0	230.37	127.52	37.70	24.33	419.92
	45	Teak	58.0	20.5	228.25	126.39	37.43	24.15	416.22
	46	Teak	63.0	19.5	255.41	140.82	40.86	26.41	463.50
	47	Teak	57.0	18.6	200.69	111.67	33.86	21.80	368.02
	48	Teak	14.0	5.5	3.97	2.56	1.59	0.96	9.08
	49	Teak	82.0	20.5	448.27	241.92	63.33	41.30	794.83
	50	Teak	54.0	19.8	191.96	107.00	32.71	21.04	352.71
	51	Teak	64.0	20.5	276.53	152.01	43.47	28.13	500.13
	52	Teak	65.0	21.0	291.79	160.06	45.32	29.36	526.53
	53	Teak	74.0	21.5	384.42	208.68	56.19	36.55	685.83
	54	Teak	51.0	18.3	159.03	89.28	28.25	18.12	294.67
	55	Teak	66.0	19.6	281.05	154.40	44.02	28.50	507.97
	56	Teak	51.0	18.5	160.73	90.19	28.48	18.27	297.67
	57	Teak	34.0	15.3	60.60	35.29	13.32	8.41	117.62
	58	Teak	56.0	19.5	203.02	112.92	34.17	22.00	372.10
	59	Teak	72.0	20.5	347.90	189.57	51.98	33.76	623.21
	60	Teak	59.0	19.0	219.14	121.53	36.26	23.38	400.31
	61	Teak	73.0	20.5	357.38	194.54	53.08	34.49	639.49
	62	Teak	33.0	13.0	48.78	28.64	11.25	7.08	95.75
	63	Teak	38.0	15.0	73.83	42.68	15.53	9.84	141.88
	64	Teak	99.0	23.0	723.99	383.65	92.01	60.47	1,260.13
	65	Teak	78.0	22.8	451.04	243.36	63.64	41.51	799.54
	66	Teak	74.0	20.5	366.98	199.56	54.19	35.23	655.96

Table A.3-1 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	67	Teak	57.0	18.6	200.69	111.67	33.86	21.80	368.02
	68	Teak	40.0	16.0	86.89	49.91	17.64	11.20	165.64
	69	Teak	30.0	15.0	46.57	27.40	10.85	6.82	91.64
	70	Teak	30.0	10.5	32.90	19.61	8.27	5.18	65.96
	71	Teak	63.0	21.0	274.54	150.95	43.22	27.97	496.69
	72	Teak	57.0	18.5	199.64	111.11	33.72	21.71	366.17
	73	Teak	65.0	19.0	264.67	145.73	42.01	27.17	479.57
	74	Teak	95.0	20.4	594.36	317.33	78.90	51.69	1,042.28
	75	Teak	45.0	18.5	125.93	71.33	23.55	15.05	235.85
	76	Teak	67.0	19.0	280.78	154.25	43.99	28.47	507.48
	77	Teak	93.0	21.5	600.16	320.31	79.50	52.09	1,052.06
	78	Teak	49.0	18.0	144.75	81.55	26.25	16.81	269.36
	79	Teak	81.0	20.5	437.68	236.42	62.16	40.53	776.79
	80	Teak	84.0	21.0	481.00	258.88	66.91	43.68	850.47
	81	Teak	44.0	18.5	120.53	68.38	22.76	14.53	226.21
	82	Teak	63.0	20.0	261.79	144.21	41.65	26.93	474.58
	83	Teak	79.0	20.5	416.86	225.59	59.85	38.99	741.29
	84	Teak	65.0	20.0	278.24	152.91	43.68	28.27	503.09
	85	Teak	76.0	20.3	382.89	207.88	56.01	36.44	683.21
	86	Teak	67.0	20.0	295.17	161.85	45.73	29.63	532.38
	87	Teak	39.0	16.3	84.22	48.44	17.21	10.93	160.80
	88	Teak	54.0	17.2	167.35	93.77	29.39	18.87	309.38
	89	Teak	56.0	19.0	197.94	110.20	33.50	21.56	363.21
	90	Teak	73.0	19.5	340.38	185.63	51.10	33.18	610.29
	91	Teak	61.0	18.0	221.85	122.97	36.61	23.61	405.04
	92	Teak	71.0	20.0	330.49	180.44	49.94	32.41	593.28
	93	Teak	21.0	7.5	11.83	7.33	3.73	2.29	25.18
	94	Teak	49.0	19.0	152.58	85.79	27.35	17.53	283.26
	95	Teak	68.0	19.5	296.41	162.50	45.88	29.73	534.53
	96	Teak	82.0	20.4	446.14	240.81	63.10	41.15	791.20
	97	Teak	91.0	22.5	601.32	320.90	79.62	52.17	1,054.01
	98	Teak	72.0	22.0	372.68	202.55	54.84	35.66	665.74
	99	Teak	43.0	18.0	112.21	63.84	21.53	13.73	211.31
	100	Teak	33.0	15.0	56.08	32.76	12.54	7.91	109.28
	101	Teak	77.0	20.0	387.11	210.08	56.49	36.76	690.44
	102	Teak	54.0	18.0	174.93	97.85	30.42	19.54	322.75
	103	Teak	73.0	20.5	357.38	194.54	53.08	34.49	639.49
	104	Teak	86.0	21.5	515.25	276.60	70.59	46.14	908.58
	105	Teak	57.0	21.0	225.89	125.13	37.13	23.95	412.09
	106	Teak	99.0	22.4	705.58	374.26	90.18	59.25	1,229.27
	107	Teak	42.0	18.5	110.08	62.67	21.21	13.52	207.48
	108	Teak	97.0	22.3	675.11	358.70	87.14	57.20	1,178.15
	109	Teak	77.0	22.0	424.79	229.72	60.73	39.57	754.82
	110	Teak	80.0	21.5	447.51	241.52	63.25	41.25	793.53
		Mean	62.4	19.4	283.46	154.65	42.90	27.83	508.84
		S.D.	18.1	3.1	164.51	86.96	20.32	13.40	285.09
		C.V.	29.0	16.1	58.04	56.23	47.37	48.16	56.03

Table A.3-2. Biomass water of successional species in five plots in the 22-year-old teak plantation

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	1	<i>L. glandifolius</i>	44.0	18.0	71.79	23.67	3.32	12.64	111.42
	2	<i>M. pierrei</i>	32.0	9.0	21.15	6.46	1.36	4.33	33.30
	3	<i>A. villosa</i>	47.0	16.0	72.73	24.00	3.35	12.78	112.87
	4	<i>A. villosa</i>	63.0	17.0	131.76	45.14	5.17	21.51	203.58
	5	<i>C. formosum</i>	79.0	21.5	247.84	88.37	8.18	37.41	381.80
	6	<i>A. villosa</i>	59.0	23.0	154.20	53.36	5.79	24.69	238.04
	7	<i>A. villosa</i>	70.0	15.0	142.54	49.08	5.47	23.05	220.14
	8	<i>A. villosa</i>	36.0	22.0	59.70	19.46	2.90	10.75	92.82
	9	<i>A. villosa</i>	56.0	10.0	65.16	21.36	3.09	11.61	101.22
	10	<i>L. glandifolius</i>	38.0	13.0	40.66	12.94	2.19	7.68	63.47
	11	<i>L. glandifolius</i>	39.0	11.0	36.58	11.56	2.03	7.00	57.17
	12	<i>L. glandifolius</i>	20.0	9.5	9.37	2.72	0.75	2.12	14.96
	13	<i>C. formosum</i>	23.0	8.0	10.34	3.02	0.81	2.32	16.49
	14	<i>A. villosa</i>	33.0	9.0	22.38	6.86	1.42	4.55	35.21
	15	<i>C. formosum</i>	86.0	23.0	308.22	111.42	9.59	45.29	474.51
	16	<i>C. formosum</i>	23.0	8.0	10.34	3.02	0.81	2.32	16.49
	17	<i>L. glandifolius</i>	29.0	16.0	29.94	9.34	1.76	5.87	46.92
	18	<i>C. formosum</i>	86.0	25.0	332.76	120.88	10.14	48.43	512.21
	19	<i>L. glandifolius</i>	58.0	20.0	131.42	45.02	5.16	21.46	203.05
	20	<i>L. glandifolius</i>	49.0	18.0	87.50	29.21	3.83	15.03	135.58
	21	<i>A. villosa</i>	22.0	7.0	8.43	2.43	0.70	1.94	13.49
	22	<i>P. serratum</i>	83.0	30.0	368.61	134.76	10.92	52.97	567.26
	23	<i>D. ehretioides</i>	22.0	9.0	10.62	3.10	0.83	2.37	16.92
	24	<i>A. villosa</i>	38.0	11.0	34.87	10.99	1.96	6.71	54.54
	25	<i>A. villosa</i>	19.0	5.0	4.73	1.31	0.46	1.17	7.66
	26	<i>A. villosa</i>	21.0	6.0	6.72	1.91	0.59	1.59	10.80
	27	<i>C. formosum</i>	56.0	22.0	134.49	46.14	5.24	21.90	207.77
	28	<i>A. villosa</i>	56.0	16.0	100.36	33.80	4.24	16.95	155.35
	29	<i>A. villosa</i>	42.0	14.0	52.32	16.91	2.64	9.58	81.44
	30	<i>C. formosum</i>	60.0	20.0	139.87	48.10	5.40	22.67	216.03
	31	<i>A. villosa</i>	31.0	8.0	17.90	5.41	1.21	3.74	28.26
	32	<i>C. formosum</i>	20.0	7.0	7.08	2.02	0.61	1.66	11.37
	33	<i>C. formosum</i>	74.0	24.0	243.16	86.59	8.07	36.79	374.61
	34	<i>A. villosa</i>	50.0	8.0	43.10	13.76	2.29	8.08	67.23
	35	<i>A. villosa</i>	44.0	15.0	60.72	19.81	2.94	10.91	94.38
	36	<i>C. formosum</i>	15.0	7.0	4.17	1.15	0.42	1.04	6.78
	37	<i>M. pierrei</i>	14.0	4.0	2.20	0.58	0.26	0.60	3.64
	38	<i>A. gomeziianus</i>	64.0	30.0	228.59	81.09	7.71	34.85	352.25
	39	<i>E. candollei</i>	115.0	33.0	732.65	279.73	18.01	96.68	1,127.08
	40	<i>C. formosum</i>	78.0	32.0	348.92	127.13	10.50	50.48	537.02
	41	<i>C. formosum</i>	66.0	23.0	189.48	66.43	6.73	29.57	292.21
	42	<i>A. odoratissima</i>	27.0	7.5	13.09	3.88	0.96	2.85	20.77
	43	<i>C. formosum</i>	42.0	13.5	50.60	16.32	2.57	9.30	78.79
	44	<i>C. formosum</i>	65.0	24.0	191.59	67.21	6.78	29.86	295.44
	45	<i>A. villosa</i>	82.0	24.0	293.65	105.83	9.26	43.40	452.14
	46	<i>A. villosa</i>	82.0	23.0	282.38	101.52	9.00	41.94	434.84
	47	<i>D. cultrata</i>	28.0	8.0	14.85	4.43	1.05	3.18	23.51
	48	<i>A. villosa</i>	41.0	12.0	43.44	13.88	2.30	8.14	67.76
	49	<i>A. villosa</i>	63.0	21.0	160.00	55.50	5.95	25.50	246.95
	50	<i>A. villosa</i>	29.0	6.0	12.16	3.58	0.91	2.67	19.32
	51	<i>A. villosa</i>	43.0	10.0	40.10	12.75	2.17	7.59	62.60
	52	<i>A. villosa</i>	70.0	20.0	185.68	65.01	6.63	29.05	286.37
	53	<i>C. formosum</i>	57.0	20.0	127.28	43.51	5.04	20.87	196.70
	54	<i>C. formosum</i>	70.0	24.0	219.55	77.68	7.49	33.64	338.37
	55	<i>A. villosa</i>	70.0	18.0	168.54	58.65	6.18	26.69	260.06
	56	<i>A. villosa</i>	69.0	19.0	172.50	60.12	6.29	27.24	266.14
	57	<i>A. villosa</i>	41.0	7.0	26.47	8.20	1.61	5.27	41.55

Table A.3-2 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	58	<i>A. villosa</i>	40.0	7.5	26.95	8.35	1.63	5.36	42.29
	59	<i>A. villosa</i>	55.0	12.0	74.54	24.64	3.41	13.06	115.65
	60	<i>C. formosum</i>	78.0	26.0	288.30	103.78	9.13	42.71	443.94
	61	<i>C. formosum</i>	57.0	12.0	79.60	26.42	3.58	13.83	123.42
	62	<i>A. villosa</i>	33.0	8.0	20.08	6.11	1.31	4.14	31.64
	63	<i>L. glandifolius</i>	53.0	16.0	90.70	30.35	3.94	15.51	140.50
	64	<i>A. villosa</i>	70.0	21.0	194.19	68.18	6.85	30.21	299.44
	65	<i>C. formosum</i>	100.0	27.0	471.24	174.98	13.06	65.69	724.97
	25	<i>A. villosa</i>	19.0	5.0	4.73	1.31	0.46	1.17	7.66
	26	<i>A. villosa</i>	21.0	6.0	6.72	1.91	0.59	1.59	10.80
	27	<i>C. formosum</i>	56.0	22.0	134.49	46.14	5.24	21.90	207.77
	28	<i>A. villosa</i>	56.0	16.0	100.36	33.80	4.24	16.95	155.35
	29	<i>A. villosa</i>	42.0	14.0	52.32	16.91	2.64	9.58	81.44
	30	<i>C. formosum</i>	60.0	20.0	139.87	48.10	5.40	22.67	216.03
	31	<i>A. villosa</i>	31.0	8.0	17.90	5.41	1.21	3.74	28.26
	32	<i>C. formosum</i>	20.0	7.0	7.08	2.02	0.61	1.66	11.37
	33	<i>C. formosum</i>	74.0	24.0	243.16	86.59	8.07	36.79	374.61
	34	<i>A. villosa</i>	50.0	8.0	43.10	13.76	2.29	8.08	67.23
	35	<i>A. villosa</i>	44.0	15.0	60.72	19.81	2.94	10.91	94.38
	36	<i>C. formosum</i>	15.0	7.0	4.17	1.15	0.42	1.04	6.78
	37	<i>M. pierrei</i>	14.0	4.0	2.20	0.58	0.26	0.60	3.64
	38	<i>A. gomezianus</i>	64.0	30.0	228.59	81.09	7.71	34.85	352.25
	39	<i>E. candollei</i>	115.0	33.0	732.65	279.73	18.01	96.68	1,127.08
	40	<i>C. formosum</i>	78.0	32.0	348.92	127.13	10.50	50.48	537.02
	41	<i>C. formosum</i>	66.0	23.0	189.48	66.43	6.73	29.57	292.21
	42	<i>A. odoratissima</i>	27.0	7.5	13.09	3.88	0.96	2.85	20.77
	43	<i>C. formosum</i>	42.0	13.5	50.60	16.32	2.57	9.30	78.79
	44	<i>C. formosum</i>	65.0	24.0	191.59	67.21	6.78	29.86	295.44
	45	<i>A. villosa</i>	82.0	24.0	293.65	105.83	9.26	43.40	452.14
	46	<i>A. villosa</i>	82.0	23.0	282.38	101.52	9.00	41.94	434.84
	47	<i>D. cultrata</i>	28.0	8.0	14.85	4.43	1.05	3.18	23.51
	48	<i>A. villosa</i>	41.0	12.0	43.44	13.88	2.30	8.14	67.76
	49	<i>A. villosa</i>	63.0	21.0	160.00	55.50	5.95	25.50	246.95
	50	<i>A. villosa</i>	29.0	6.0	12.16	3.58	0.91	2.67	19.32
	51	<i>A. villosa</i>	43.0	10.0	40.10	12.75	2.17	7.59	62.60
	52	<i>A. villosa</i>	70.0	20.0	185.68	65.01	6.63	29.05	286.37
	53	<i>C. formosum</i>	57.0	20.0	127.28	43.51	5.04	20.87	196.70
	54	<i>C. formosum</i>	70.0	24.0	219.55	77.68	7.49	33.64	338.37
	55	<i>A. villosa</i>	70.0	18.0	168.54	58.65	6.18	26.69	260.06
	56	<i>A. villosa</i>	69.0	19.0	172.50	60.12	6.29	27.24	266.14
	57	<i>A. villosa</i>	41.0	7.0	26.47	8.20	1.61	5.27	41.55
	58	<i>A. villosa</i>	40.0	7.5	26.95	8.35	1.63	5.36	42.29
	59	<i>A. villosa</i>	55.0	12.0	74.54	24.64	3.41	13.06	115.65
	60	<i>C. formosum</i>	78.0	26.0	288.30	103.78	9.13	42.71	443.94
	61	<i>C. formosum</i>	57.0	12.0	79.60	26.42	3.58	13.83	123.42
	62	<i>A. villosa</i>	33.0	8.0	20.08	6.11	1.31	4.14	31.64
	63	<i>L. glandifolius</i>	53.0	16.0	90.70	30.35	3.94	15.51	140.50
	64	<i>A. villosa</i>	70.0	21.0	194.19	68.18	6.85	30.21	299.44
	65	<i>C. formosum</i>	100.0	27.0	471.24	174.98	13.06	65.69	724.97
	66	<i>L. glandifolius</i>	30.0	10.0	20.69	6.31	1.34	4.25	32.59
	67	<i>L. glandifolius</i>	29.0	11.0	21.22	6.48	1.37	4.35	33.41
	68	<i>L. glandifolius</i>	30.0	9.0	18.78	5.69	1.25	3.90	29.63
	69	<i>C. formosum</i>	73.0	22.0	218.92	77.45	7.48	33.56	337.41
	70	<i>A. villosa</i>	53.0	13.0	74.95	24.78	3.43	13.12	116.28
	71	<i>C. formosum</i>	53.0	14.0	80.23	26.64	3.60	13.93	124.40
	72	<i>C. formosum</i>	34.0	10.0	26.04	8.05	1.59	5.20	40.88
	73	<i>L. glandifolius</i>	44.0	16.0	64.43	21.10	3.07	11.49	100.09
	74	<i>L. glandifolius</i>	25.0	5.0	7.83	2.24	0.66	1.81	12.55

Table A.3-2 (Continued)

Plot	Tree no	Plant name	Stem GBH (cm)	Tree height (m)	Amounts of water storage /tree (kg)				
					Stem	Branch	Leaf	Root	Total
2	75	<i>L. glandifolius</i>	23.0	6.0	7.94	2.28	0.67	1.84	12.72
	76	<i>L. glandifolius</i>	18.0	5.0	4.28	1.18	0.43	1.07	6.96
	77	<i>F. hispida</i>	46.0	12.0	53.67	17.38	2.69	9.80	83.53
	78	<i>L. glandifolius</i>	22.0	16.0	18.02	5.45	1.21	3.77	28.45
	79	<i>F. hispida</i>	39.0	10.0	33.51	10.53	1.91	6.48	52.43
	80	<i>A. villosa</i>	67.0	12.0	107.13	36.23	4.44	17.95	165.75
	81	<i>C. formosum</i>	14.0	6.0	3.19	0.86	0.34	0.83	5.22
	82	<i>C. formosum</i>	24.0	9.0	12.46	3.68	0.93	2.73	19.80
	83	<i>L. glutinosa</i>	34.0	10.0	26.04	8.05	1.59	5.20	40.88
	84	<i>S. aqueum</i>	21.0	8.0	8.75	2.53	0.72	2.00	13.99
	85	<i>A. villosa</i>	35.0	10.0	27.47	8.52	1.65	5.45	43.09
	86	<i>D. cultrata</i>	20.0	8.0	8.00	2.30	0.67	1.85	12.82
	87	<i>A. villosa</i>	61.0	12.0	90.16	30.16	3.92	15.43	139.67
	88	<i>L. glutinosa</i>	36.0	13.0	36.81	11.64	2.04	7.04	57.53
	89	<i>C. formosum</i>	62.0	18.0	134.84	46.27	5.25	21.95	208.32
	90	<i>A. villosa</i>	39.0	8.0	27.30	8.47	1.64	5.42	42.83
	91	<i>C. formosum</i>	27.0	8.0	13.89	4.13	1.00	3.00	22.02
	1	<i>B. anceps</i>	53.0	15.5	88.10	29.43	3.85	15.12	136.49
	2	<i>G. arboreas</i>	120.0	16.0	407.33	149.86	11.75	57.81	626.75
	3	<i>M. pierrei</i>	47.0	11.5	53.69	17.38	2.69	9.80	83.56
3	4	<i>D. dongnaiensis</i>	93.0	30.4	459.89	170.50	12.83	64.30	707.52
	5	<i>G. arboreas</i>	113.0	15.0	343.72	125.11	10.38	49.82	529.04
	6	<i>D. dongnaiensis</i>	125.0	18.0	489.26	182.10	13.42	67.88	752.66
	7	<i>S. pinnata</i>	120.0	18.0	453.89	168.14	12.71	63.56	698.30
	8	<i>P. emblica</i>	95.0	16.5	272.74	97.84	8.77	40.68	420.03
	9	<i>C. formosum</i>	93.0	15.5	247.63	88.29	8.18	37.39	381.49
	10	<i>P. emblica</i>	73.0	12.0	125.42	42.84	4.98	20.60	193.85
	1	<i>C. formosum</i>	93.0	16.5	262.28	93.85	8.53	39.31	403.97
	2	<i>P. emblica</i>	47.0	12.3	57.12	18.56	2.81	10.34	88.83
	3	<i>C. formosum</i>	53.0	14.0	80.23	26.64	3.60	13.93	124.40
4	4	<i>D. dongnaiensis</i>	64.0	13.3	108.24	36.63	4.48	18.11	167.46
	5	<i>S. cumini</i>	15.8	17.3	10.54	3.08	0.82	2.35	16.79
	6	<i>D. dongnaiensis</i>	56.0	14.5	91.68	30.70	3.97	15.66	142.01
	7	<i>D. dongnaiensis</i>	66.0	13.5	116.12	39.47	4.71	19.26	179.56
	1	<i>G. pinnata</i>	62.0	18.0	134.84	46.27	5.25	21.95	208.32
	5	<i>C. formosum</i>	61.0	11.5	86.70	28.93	3.81	14.91	134.36
	2	<i>C. formosum</i>	62.0	15.0	114.04	38.72	4.65	18.96	176.37
5	3	<i>C. formosum</i>	38.0	8.0	26.03	8.05	1.59	5.20	40.86
	4	<i>D. dongnaiensis</i>	69.0	21.2	190.78	66.91	6.76	29.75	294.20

Appendix B

Table B.1-1. Growths and biomass of pine in ten plots in the 22-year-old plantation

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	1	Pine	117.0	32.4	609.01	156.92	25.03	174.28	965.25
	2	Pine	63.0	26.2	170.55	31.84	7.06	54.22	263.68
	3	Pine	109.0	31.1	518.84	128.38	21.35	150.46	819.02
	4	Pine	85.0	29.3	318.25	69.58	13.13	96.09	497.05
	5	Pine	91.0	31.2	379.05	86.62	15.62	112.81	594.10
	6	Pine	118.0	32.2	613.99	158.53	25.24	175.59	973.35
	7	Pine	125.0	35.4	739.24	200.05	30.35	208.19	1,177.83
	8	Pine	83.0	21.3	230.72	46.50	9.54	71.54	358.30
	9	Pine	72.0	24.4	202.54	39.50	8.38	63.48	313.90
	10	Pine	105.0	27.2	431.99	102.04	17.79	127.18	679.01
	11	Pine	82.0	25.6	265.42	55.42	10.96	81.35	413.16
	12	Pine	84.0	26.8	288.24	61.46	11.90	87.75	449.35
	13	Pine	96.0	27.6	373.89	85.15	15.41	111.40	585.84
	14	Pine	89.0	27.0	321.11	70.37	13.25	96.88	501.61
	15	Pine	66.0	26.2	184.75	35.20	7.65	58.35	285.94
	16	Pine	103.0	27.6	423.04	99.40	17.43	124.76	664.63
	17	Pine	88.0	25.2	295.80	63.49	12.21	89.85	461.35
	18	Pine	86.0	23.3	265.68	55.49	10.97	81.42	413.57
	19	Pine	89.0	28.5	336.71	74.68	13.89	101.19	526.47
	20	Pine	103.0	30.1	456.49	109.34	18.80	133.78	718.41
	21	Pine	108.0	31.3	512.68	126.47	21.09	148.82	809.06
	22	Pine	98.0	29.3	408.54	95.15	16.83	120.83	641.36
	23	Pine	83.0	28.4	296.98	63.80	12.26	90.18	463.22
	24	Pine	120.0	32.3	634.96	165.34	26.09	181.08	1,007.48
	25	Pine	150.0	28.2	833.85	232.64	34.21	232.51	1,333.22
	26	Pine	65.0	27.4	187.39	35.83	7.76	59.11	290.09
	27	Pine	108.0	27.6	459.74	110.32	18.93	134.66	723.65
	28	Pine	82.0	27.1	279.02	59.00	11.52	85.17	434.71
	29	Pine	89.0	27.3	324.24	71.23	13.38	97.75	506.59
	30	Pine	90.0	27.3	330.66	73.00	13.64	99.52	516.82
	31	Pine	94.0	27.6	360.32	81.29	14.86	107.69	564.16
	32	Pine	99.0	27.5	393.38	90.75	16.21	116.71	617.05
	33	Pine	116.0	27.3	516.19	127.55	21.24	149.75	814.74
	34	Pine	117.0	28.2	539.16	134.70	22.18	155.85	851.89
	35	Pine	90.0	27.4	331.72	73.29	13.68	99.82	518.52
	36	Pine	101.0	28.1	415.22	97.10	17.11	122.65	652.08
	37	Pine	127.0	29.0	638.10	166.37	26.22	181.90	1,012.59
	38	Pine	115.0	29.3	540.14	135.01	22.22	156.11	853.48
	39	Pine	110.0	29.0	495.86	121.29	20.41	144.33	781.88
	40	Pine	100.0	29.4	424.55	99.85	17.49	125.17	667.06
	41	Pine	118.0	30.4	583.72	148.80	24.00	167.63	924.15
	42	Pine	78.0	29.0	271.23	56.95	11.20	82.98	422.36
	43	Pine	109.0	28.6	482.06	117.07	19.84	140.64	759.62
	44	Pine	95.0	27.9	370.58	84.20	15.28	110.49	580.55
	45	Pine	77.0	27.7	254.70	52.63	10.52	78.33	396.18
	46	Pine	75.0	27.6	242.04	49.38	10.00	74.75	376.18
	47	Pine	82.0	27.3	280.82	59.48	11.60	85.67	437.57
	48	Pine	94.0	27.5	359.18	80.97	14.81	107.37	562.33
	49	Pine	110.0	27.4	471.77	113.95	19.42	137.89	743.02
	50	Pine	124.0	27.9	591.47	151.28	24.32	169.67	936.73
	51	Pine	73.0	28.3	236.34	47.92	9.77	73.14	367.16
	52	Pine	97.0	29.4	402.45	93.38	16.58	119.18	631.59
	53	Pine	88.0	30.4	348.83	78.06	14.39	104.53	545.81
	54	Pine	72.0	27.2	222.80	44.51	9.21	69.28	345.80
	55	Pine	137.0	31.4	781.55	214.50	32.08	219.10	1,247.23

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	56	Pine	81.0	29.5	294.18	63.05	12.14	89.40	458.78
	57	Pine	80.0	27.4	269.78	56.57	11.14	82.58	420.06
	58	Pine	110.0	31.3	530.20	131.91	21.81	153.48	837.40
	59	Pine	117.0	29.6	561.74	141.81	23.10	161.83	888.49
	60	Pine	69.0	27.3	207.43	40.69	8.58	64.89	321.59
	61	Pine	97.0	27.5	378.93	86.59	15.62	112.78	593.92
	62	Pine	104.0	27.6	430.28	101.54	17.72	126.72	676.25
	63	Pine	75.0	27.0	237.80	48.29	9.83	73.55	369.47
	64	Pine	115.0	27.6	513.31	126.66	21.12	148.99	810.08
	65	Pine	109.0	27.5	465.75	112.13	19.17	136.27	733.33
	66	Pine	104.0	27.5	428.91	101.13	17.67	126.35	674.06
	67	Pine	132.0	28.6	674.57	178.37	27.71	191.42	1,072.07
	68	Pine	123.0	29.3	608.72	156.83	25.02	174.21	964.77
	69	Pine	89.0	28.8	339.82	75.54	14.02	102.05	531.43
	70	Pine	89.0	28.1	332.56	73.52	13.72	100.05	519.86
	71	Pine	103.0	30.3	459.15	110.14	18.90	134.50	722.69
	72	Pine	105.0	30.1	471.47	113.86	19.41	137.81	742.54
	73	Pine	114.0	30.4	550.23	138.18	22.63	158.79	869.83
	74	Pine	99.0	29.8	422.11	99.12	17.39	124.51	663.13
	75	Pine	88.0	28.4	329.09	72.56	13.58	99.09	514.31
	76	Pine	82.0	27.4	281.27	59.60	11.61	85.80	438.29
	77	Pine	88.0	27.3	317.87	69.48	13.12	95.99	496.46
	78	Pine	89.0	27.4	324.76	71.37	13.40	97.89	507.42
	79	Pine	104.0	27.8	433.01	102.34	17.83	127.46	680.65
	80	Pine	128.0	27.6	619.45	160.30	25.46	177.02	982.23
	81	Pine	97.0	27.1	374.69	85.38	15.45	111.62	587.13
	82	Pine	102.0	27.6	415.86	97.29	17.13	122.82	653.10
	83	Pine	121.0	27.8	564.80	142.78	23.23	162.64	893.45
		Mean	98.3	28.3	410.7	97.6	16.9	120.9	646.0
		S.D.	17.9	2.0	144.6	43.1	5.9	39.0	232.5
		C.V.	18.2	7.0	35.2	44.1	35.0	32.3	36.0
2	1	Pine	122.0	25.2	525.71	130.51	21.63	152.28	830.13
	2	Pine	81.0	27.0	272.19	57.20	11.24	83.25	423.88
	3	Pine	79.0	27.5	264.73	55.24	10.94	81.16	412.07
	4	Pine	100.0	29.2	422.02	99.10	17.38	124.49	662.99
	5	Pine	54.0	15.3	81.17	12.56	3.38	27.44	124.54
	6	Pine	115.0	28.4	526.34	130.70	21.65	152.45	831.15
	7	Pine	82.0	27.1	279.02	59.00	11.52	85.17	434.71
	8	Pine	66.0	27.2	191.25	36.76	7.91	60.23	296.14
	9	Pine	112.0	28.2	499.38	122.37	20.55	145.27	787.57
	10	Pine	133.0	28.4	679.36	179.96	27.91	192.67	1,079.90
	11	Pine	103.0	27.8	425.73	100.19	17.54	125.49	668.95
	12	Pine	90.0	27.0	327.47	72.12	13.51	98.64	511.74
	13	Pine	101.0	28.0	413.92	96.72	17.05	122.29	650.00
	14	Pine	101.0	28.1	415.22	97.10	17.11	122.65	652.08
	15	Pine	114.0	28.3	515.93	127.47	21.23	149.68	814.32
	16	Pine	88.0	29.0	335.18	74.25	13.83	100.77	524.03
	17	Pine	87.0	29.0	328.52	72.41	13.55	98.93	513.42
	18	Pine	94.0	29.5	382.00	87.47	15.75	113.61	598.83
	19	Pine	105.0	30.4	476.28	115.32	19.61	139.10	750.30
	20	Pine	103.0	30.1	456.49	109.34	18.80	133.78	718.41
	21	Pine	115.0	30.0	552.27	138.82	22.71	159.33	873.14
	22	Pine	99.0	29.4	417.13	97.66	17.18	123.16	655.14
	23	Pine	109.0	29.3	492.40	120.23	20.26	143.41	776.30
	24	Pine	111.0	29.2	506.84	124.66	20.86	147.26	799.62
	25	Pine	102.0	28.0	421.14	98.84	17.35	124.25	661.58
	26	Pine	80.0	27.8	273.23	57.48	11.28	83.54	425.53
	27	Pine	72.0	27.5	224.95	45.05	9.30	69.90	349.20

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
2	28	Pine	95.0	28.0	371.74	84.54	15.32	110.81	582.41
	29	Pine	90.0	27.8	335.97	74.47	13.86	100.99	525.29
	30	Pine	104.0	28.2	438.47	103.97	18.06	128.93	689.43
	31	Pine	55.0	29.5	149.13	26.91	6.18	47.94	230.16
	32	Pine	98.0	28.5	398.74	92.30	16.43	118.17	625.63
	33	Pine	104.0	29.2	452.09	108.03	18.62	132.60	711.33
	34	Pine	71.0	25.3	204.01	39.86	8.44	63.90	316.21
	35	Pine	131.0	30.0	694.13	184.88	28.51	196.51	1,104.02
	36	Pine	130.0	30.0	684.86	181.79	28.13	194.10	1,088.87
	37	Pine	94.0	29.3	379.73	86.82	15.65	112.99	595.19
	38	Pine	88.0	29.0	335.18	74.25	13.83	100.77	524.03
	39	Pine	147.0	35.0	972.79	282.20	39.87	267.82	1,562.68
	40	Pine	112.0	30.0	527.24	130.98	21.69	152.69	832.60
	41	Pine	92.0	27.0	340.35	75.69	14.04	102.20	532.27
	42	Pine	103.0	27.9	427.07	100.59	17.59	125.85	671.11
	43	Pine	110.0	28.0	480.82	116.70	19.79	140.31	757.62
	44	Pine	97.0	27.8	383.17	87.80	15.79	113.93	600.70
	45	Pine	83.0	27.9	292.39	62.57	12.07	88.90	455.93
	46	Pine	113.0	30.5	543.35	136.02	22.35	156.97	858.69
	47	Pine	115.0	30.5	560.34	141.37	23.04	161.46	886.22
	48	Pine	70.0	28.0	217.51	43.19	9.00	67.77	337.47
	49	Pine	134.0	30.2	726.49	195.74	29.83	204.90	1,156.96
	50	Pine	111.0	27.8	485.45	118.11	19.98	141.55	765.09
	51	Pine	72.0	26.2	215.59	42.71	8.92	67.22	334.44
	52	Pine	117.0	30.5	577.56	146.83	23.75	166.01	914.15
	53	Pine	118.0	30.5	586.25	149.61	24.10	168.30	928.26
	54	Pine	104.0	28.1	437.11	103.56	18.00	128.56	687.23
	55	Pine	90.0	28.2	340.21	75.65	14.03	102.16	532.05
	56	Pine	130.0	28.5	654.72	171.82	26.90	186.25	1,039.68
	57	Pine	130.0	28.5	654.72	171.82	26.90	186.25	1,039.68
	58	Pine	147.0	29.5	837.27	233.84	34.35	233.39	1,338.85
	59	Pine	132.0	29.0	682.84	181.11	28.05	193.57	1,085.57
	60	Pine	132.0	28.0	662.13	174.26	27.20	188.18	1,051.77
	61	Pine	135.0	28.5	699.55	186.69	28.73	197.91	1,112.88
	62	Pine	134.0	30.2	726.49	195.74	29.83	204.90	1,156.96
	63	Pine	122.0	30.2	616.20	159.25	25.33	176.17	976.95
	64	Pine	131.0	30.0	694.13	184.88	28.51	196.51	1,104.02
	65	Pine	130.0	30.0	684.86	181.79	28.13	194.10	1,088.87
	66	Pine	113.0	28.0	504.07	123.81	20.74	146.52	795.15
	67	Pine	121.0	28.5	577.26	146.74	23.74	165.93	913.66
	68	Pine	118.0	28.5	552.38	138.86	22.72	159.36	873.31
	69	Pine	115.0	28.5	527.97	131.21	21.72	152.88	833.78
	70	Pine	150.0	30.0	880.38	249.02	36.11	244.39	1,409.90
	71	Pine	135.0	28.5	699.55	186.69	28.73	197.91	1,112.88
	72	Pine	148.0	29.5	847.29	237.35	34.76	235.95	1,355.35
	73	Pine	135.0	29.5	721.04	193.90	29.61	203.48	1,148.04
	74	Pine	132.0	29.0	682.84	181.11	28.05	193.57	1,085.57
	75	Pine	112.0	28.0	496.27	121.41	20.42	144.44	782.55
	76	Pine	115.0	28.0	519.83	128.68	21.39	150.72	820.62
		mean	107.7	28.5	489.3	121.9	20.1	141.8	773.1
		S.D.	22.1	4.3	181.6	51.9	7.2	50.5	291.5
		C.V.	20.6	15.2	37.1	42.6	35.9	35.6	37.7
3	1	Pine	119.0	29.5	577.84	146.92	23.76	166.08	914.61
	2	Pine	79.0	26.2	253.72	52.38	10.48	78.05	394.64
	3	Pine	91.0	26.5	328.45	72.39	13.55	98.91	513.30
	4	Pine	135.0	30.5	742.45	201.14	30.48	209.02	1,183.09
	5	Pine	94.0	28.3	368.33	83.56	15.18	109.88	576.96
	6	Pine	115.0	29.1	537.71	134.25	22.12	155.47	849.55

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
3	7	Pine	29.0	28.5	47.05	6.34	1.96	16.64	72.00
	8	Pine	89.0	28.8	339.82	75.54	14.02	102.05	531.43
	9	Pine	93.0	29.0	369.32	83.84	15.23	110.15	578.53
	10	Pine	122.0	29.2	598.26	153.46	24.59	171.46	947.77
	11	Pine	97.0	28.7	394.03	90.93	16.24	116.89	618.10
	12	Pine	105.0	29.0	456.98	109.49	18.82	133.92	719.21
	13	Pine	88.0	27.0	314.81	68.64	12.99	95.14	491.57
	14	Pine	99.0	27.5	393.38	90.75	16.21	116.71	617.05
	15	Pine	61.0	29.0	176.18	33.17	7.30	55.86	272.50
	16	Pine	87.0	28.4	322.55	70.76	13.31	97.28	503.90
	17	Pine	113.0	25.5	464.35	111.71	19.12	135.90	731.08
	18	Pine	148.0	30.0	859.88	241.78	35.27	239.16	1,376.10
	19	Pine	75.0	26.8	236.25	47.90	9.77	73.11	367.03
	20	Pine	105.0	29.3	460.44	110.53	18.96	134.84	724.77
	21	Pine	105.0	29.0	456.98	109.49	18.82	133.92	719.21
	22	Pine	115.0	29.3	540.95	135.27	22.25	156.33	854.80
	23	Pine	79.0	28.5	273.16	57.46	11.28	83.53	425.42
	24	Pine	89.0	28.5	336.71	74.68	13.89	101.19	526.47
	25	Pine	93.0	29.0	369.32	83.84	15.23	110.15	578.53
	26	Pine	122.0	29.2	598.26	153.46	24.59	171.46	947.77
	27	Pine	97.0	28.5	391.62	90.24	16.14	116.24	614.24
	28	Pine	105.0	29.0	456.98	109.49	18.82	133.92	719.21
	29	Pine	88.0	28.0	325.02	71.44	13.41	97.96	507.83
	30	Pine	99.0	28.5	405.90	94.38	16.72	120.12	637.13
	31	Pine	87.0	28.4	322.55	70.76	13.31	97.28	503.90
	32	Pine	113.0	25.5	464.35	111.71	19.12	135.90	731.08
	33	Pine	148.0	30.0	859.88	241.78	35.27	239.16	1,376.10
	34	Pine	75.0	26.8	236.25	47.90	9.77	73.11	367.03
	35	Pine	105.0	29.3	460.44	110.53	18.96	134.84	724.77
	36	Pine	105.0	29.0	456.98	109.49	18.82	133.92	719.21
	37	Pine	130.0	29.1	666.80	175.80	27.39	189.40	1,059.38
	38	Pine	79.0	28.4	272.32	57.24	11.25	83.29	424.09
	39	Pine	96.0	28.3	382.20	87.52	15.75	113.67	599.14
	40	Pine	84.0	28.0	299.54	64.49	12.36	90.89	467.29
	41	Pine	83.0	28.6	298.81	64.30	12.33	90.69	466.14
	42	Pine	96.0	28.5	384.56	88.20	15.85	114.31	602.93
	43	Pine	100.0	28.7	415.67	97.23	17.12	122.77	652.80
	44	Pine	74.0	25.0	217.10	43.08	8.98	67.65	336.81
	45	Pine	104.0	30.4	468.35	112.92	19.28	136.97	737.52
	46	Pine	90.0	26.5	322.14	70.65	13.29	97.17	503.25
	47	Pine	121.0	30.5	612.66	158.10	25.18	175.24	971.18
	48	Pine	94.0	29.3	379.73	86.82	15.65	112.99	595.19
	49	Pine	109.0	30.5	510.05	125.65	20.99	148.12	804.81
	50	Pine	98.0	29.0	404.87	94.08	16.68	119.84	635.46
	51	Pine	99.0	32.1	450.56	107.57	18.55	132.19	708.87
	52	Pine	120.0	32.3	634.96	165.34	26.09	181.08	1,007.48
	53	Pine	127.0	29.8	653.52	171.42	26.85	185.93	1,037.72
	54	Pine	103.0	29.5	448.49	106.95	18.47	131.63	705.54
	55	Pine	85.0	28.5	310.61	67.49	12.82	93.97	484.89
	56	Pine	90.0	28.5	343.38	76.53	14.16	103.03	537.11
	57	Pine	101.0	29.3	430.74	101.67	17.74	126.85	677.00
	58	Pine	101.0	29.0	426.87	100.53	17.58	125.80	670.78
	59	Pine	88.0	28.3	328.07	72.28	13.53	98.81	512.69
	60	Pine	74.0	26.4	227.73	45.75	9.42	70.69	353.57
	61	Pine	143.0	28.6	776.31	212.70	31.86	217.75	1,238.62
	62	Pine	129.0	30.6	687.48	182.66	28.24	194.78	1,093.16
	63	Pine	137.0	31.5	783.73	215.25	32.17	219.66	1,250.81
	64	Pine	101.0	29.4	432.03	102.05	17.79	127.19	679.07

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	65	Pine	140.0	32.5	836.74	233.65	34.33	233.25	1,337.96
	66	Pine	92.0	30.0	373.32	84.98	15.39	111.24	584.93
	67	Pine	92.0	29.5	367.85	83.43	15.17	109.75	576.19
	68	Pine	78.0	28.3	265.48	55.44	10.97	81.37	413.25
	69	Pine	101.0	28.8	424.28	99.77	17.48	125.10	666.63
	70	Pine	109.0	30.0	502.71	123.39	20.69	146.16	792.94
	71	Pine	92.0	28.0	351.39	78.78	14.49	105.23	549.88
	72	Pine	89.0	29.5	347.06	77.56	14.31	104.04	542.98
	73	Pine	102.0	30.5	453.97	108.59	18.69	133.11	714.35
	74	Pine	96.0	30.0	402.27	93.32	16.58	119.13	631.30
	75	Pine	158.0	35.0	1,104.13	330.73	45.22	300.82	1,780.90
	76	Pine	80.0	27.8	273.23	57.48	11.28	83.54	425.53
	77	Pine	111.0	30.5	526.59	130.78	21.66	152.52	831.55
	78	Pine	97.0	28.4	390.42	89.89	16.09	115.91	612.30
	79	Pine	95.0	28.5	377.56	86.20	15.56	112.40	591.72
	80	Pine	133.0	28.5	681.46	180.66	27.99	193.21	1,083.33
	81	Pine	126.0	28.0	610.22	157.31	25.08	174.60	967.22
	82	Pine	74.0	28.0	239.79	48.80	9.91	74.12	372.62
	83	Pine	100.0	28.5	413.13	96.49	17.02	122.08	648.71
	84	Pine	117.0	29.0	552.56	138.91	22.73	159.40	873.60
		mean	101.3	28.9	443.6	108.0	18.3	129.6	699.4
		S.D.	21.0	1.5	175.3	54.3	7.2	46.8	283.4
		C.V.	20.7	5.3	39.5	50.3	39.3	36.1	40.5
4	1	Pine	108.0	32.5	530.63	132.04	21.83	153.59	838.09
	2	Pine	88.0	31.0	355.38	79.90	14.65	106.33	556.26
	3	Pine	115.0	32.5	592.46	151.60	24.36	169.93	938.34
	4	Pine	93.0	32.0	402.64	93.43	16.59	119.23	631.89
	5	Pine	99.0	31.0	436.98	103.52	18.00	128.53	687.03
	6	Pine	96.0	30.5	408.15	95.03	16.82	120.73	640.72
	7	Pine	82.0	28.0	287.13	61.16	11.85	87.44	447.59
	8	Pine	128.0	32.5	714.97	191.86	29.36	201.91	1,138.10
	9	Pine	97.0	30.2	412.05	96.17	16.98	121.79	646.98
	10	Pine	76.0	31.0	274.76	57.88	11.35	83.97	427.96
	11	Pine	75.0	31.5	272.24	57.22	11.24	83.27	423.97
	12	Pine	106.0	30.2	481.48	116.90	19.82	140.49	758.68
	13	Pine	81.0	32.6	321.14	70.37	13.25	96.89	501.66
	14	Pine	113.0	30.2	538.66	134.55	22.16	155.72	851.09
	15	Pine	83.0	30.2	313.43	68.26	12.93	94.76	489.39
	16	Pine	82.0	30.2	306.84	66.47	12.66	92.93	478.89
	17	Pine	95.0	30.2	397.25	91.87	16.37	117.77	623.26
	18	Pine	79.0	32.3	304.87	65.93	12.58	92.38	475.77
	19	Pine	104.0	32.5	496.62	121.52	20.44	144.54	783.12
	20	Pine	84.0	32.0	336.77	74.69	13.89	101.21	526.56
	21	Pine	104.0	31.5	483.19	117.42	19.89	140.95	761.44
	22	Pine	94.0	30.0	387.68	89.10	15.98	115.16	607.92
	23	Pine	72.0	28.0	228.54	45.95	9.45	70.92	354.85
	24	Pine	131.0	30.2	698.19	186.23	28.68	197.56	1,110.66
	25	Pine	98.0	29.0	404.87	94.08	16.68	119.84	635.46
	26	Pine	119.0	30.0	586.43	149.66	24.11	168.35	928.55
	27	Pine	94.0	32.0	410.27	95.65	16.90	121.30	644.12
	28	Pine	65.0	30.5	205.87	40.31	8.52	64.44	319.14
	29	Pine	97.0	30.2	412.05	96.17	16.98	121.79	646.98
	30	Pine	91.0	32.0	387.56	89.07	15.97	115.13	607.73
	31	Pine	100.0	30.2	434.67	102.84	17.90	127.91	683.32
	32	Pine	96.0	32.5	431.54	101.91	17.77	127.06	678.28
	33	Pine	121.0	30.2	607.37	156.39	24.97	173.85	962.57
	34	Pine	119.0	30.5	595.00	152.41	24.46	170.60	942.47
	35	Pine	128.0	30.2	670.37	176.98	27.54	190.33	1,065.22

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	36	Pine	103.0	31.7	477.71	115.75	19.66	139.48	752.61
	37	Pine	114.0	32.6	585.02	149.22	24.05	167.97	926.27
	38	Pine	97.0	30.8	419.22	98.28	17.27	123.73	658.50
	39	Pine	98.0	31.2	431.70	101.96	17.78	127.10	678.54
	40	Pine	78.0	30.0	279.42	59.11	11.54	85.28	435.35
	41	Pine	122.0	32.0	648.32	169.71	26.64	184.57	1,029.24
	42	Pine	95.0	32.0	417.96	97.91	17.22	123.39	656.47
	43	Pine	117.0	32.5	610.66	157.45	25.10	174.72	967.93
	44	Pine	103.0	32.5	488.27	118.97	20.10	142.31	769.64
	45	Pine	79.0	31.5	298.24	64.14	12.31	90.53	465.22
	46	Pine	81.0	32.0	315.95	68.95	13.04	95.45	493.39
	47	Pine	103.0	32.0	481.68	116.96	19.83	140.54	759.00
	48	Pine	102.0	32.5	479.98	116.44	19.76	140.09	756.27
	49	Pine	93.0	32.5	408.15	95.04	16.82	120.73	640.73
	50	Pine	135.0	30.2	736.03	198.97	30.22	207.36	1,172.58
	51	Pine	79.0	27.5	264.73	55.24	10.94	81.16	412.07
	52	Pine	111.0	31.5	541.71	135.50	22.28	156.53	856.02
	53	Pine	90.0	29.0	348.66	78.01	14.38	104.48	545.54
	54	Pine	88.0	30.0	345.30	77.07	14.24	103.56	540.17
	55	Pine	145.0	30.0	829.53	231.13	34.03	231.40	1,326.10
	56	Pine	71.0	30.0	236.91	48.07	9.79	73.30	368.07
	57	Pine	79.0	31.0	294.08	63.02	12.14	89.37	458.61
	58	Pine	100.0	30.1	433.41	102.46	17.85	127.57	681.29
	59	Pine	85.0	32.7	350.43	78.51	14.45	104.97	548.36
	60	Pine	93.0	32.0	402.64	93.43	16.59	119.23	631.89
	61	Pine	97.0	30.5	415.64	97.23	17.12	122.76	652.74
	62	Pine	78.0	30.2	281.05	59.54	11.61	85.74	437.94
	63	Pine	86.0	31.5	346.15	77.31	14.28	103.79	541.53
	64	Pine	118.0	31.0	594.67	152.31	24.45	170.52	941.94
	65	Pine	105.0	30.1	472.16	114.07	19.44	137.99	743.65
4	66	Pine	79.0	31.5	298.24	64.14	12.31	90.53	465.22
	67	Pine	87.0	30.8	346.35	77.36	14.28	103.85	541.85
	68	Pine	94.0	31.5	404.63	94.01	16.67	119.77	635.09
	69	Pine	91.0	32.0	387.56	89.07	15.97	115.13	607.73
	70	Pine	113.0	32.5	574.50	145.86	23.62	165.20	909.18
	71	Pine	103.0	32.5	488.27	118.97	20.10	142.31	769.64
	72	Pine	68.0	30.1	220.27	43.88	9.11	68.56	341.81
	73	Pine	100.0	30.1	433.41	102.46	17.85	127.57	681.29
	74	Pine	106.0	30.2	481.48	116.90	19.82	140.49	758.68
	75	Pine	81.0	31.5	311.61	67.77	12.86	94.25	486.49
	76	Pine	125.0	28.0	601.75	154.58	24.74	172.38	953.44
	77	Pine	127.0	28.5	628.43	163.22	25.83	179.37	996.85
	78	Pine	118.0	28.0	543.86	136.18	22.37	157.10	859.51
	79	Pine	114.0	28.0	511.92	126.23	21.06	148.62	807.84
	80	Pine	135.0	29.0	710.31	190.29	29.17	200.70	1,130.47
	81	Pine	115.0	28.0	519.83	128.68	21.39	150.72	820.62
	82	Pine	101.0	28.0	413.92	96.72	17.05	122.29	650.00
	83	Pine	112.0	28.5	504.03	123.80	20.74	146.51	795.09
		Mean	99.1	30.7	442.7	106.7	18.2	129.6	697.3
		S.D.	17.3	1.4	133.8	40.4	5.5	35.9	215.5
		C.V.	17.5	4.6	30.2	37.8	30.0	27.7	30.9
5	1	Pine	121.0	27.5	559.45	141.09	23.01	161.23	884.77
	2	Pine	117.0	29.2	555.90	139.97	22.86	160.29	879.01
	3	Pine	78.0	27.3	257.23	53.29	10.63	79.04	400.19
	4	Pine	107.0	27.5	450.86	107.66	18.56	132.27	709.35
	5	Pine	104.0	27.5	428.91	101.13	17.67	126.35	674.06
	6	Pine	130.0	30.5	694.86	185.12	28.54	196.70	1,105.22
	7	Pine	125.0	31.0	657.97	172.89	27.03	187.09	1,044.98

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	8	Pine	117.0	28.5	544.19	136.28	22.38	157.19	860.04
	9	Pine	140.0	30.0	779.98	213.96	32.01	218.69	1,244.65
	10	Pine	160.0	32.0	1,043.41	308.10	42.75	285.61	1,679.87
	11	Pine	136.0	28.0	697.75	186.08	28.66	197.45	1,109.93
	12	Pine	157.0	28.0	897.72	255.18	36.82	248.80	1,438.52
	13	Pine	110.0	30.5	518.29	128.20	21.32	150.31	818.13
	14	Pine	145.0	32.0	877.86	248.13	36.01	243.75	1,405.74
	15	Pine	130.0	30.5	694.86	185.12	28.54	196.70	1,105.22
	16	Pine	83.0	27.0	284.09	60.35	11.73	86.59	442.76
	17	Pine	115.0	27.5	511.68	126.16	21.05	148.55	807.44
	18	Pine	118.0	27.8	540.45	135.11	22.23	156.20	853.99
	19	Pine	146.0	27.8	785.32	215.80	32.23	220.07	1,253.41
	20	Pine	128.0	28.0	627.32	162.86	25.78	179.08	995.04
	21	Pine	146.0	32.0	888.52	251.91	36.44	246.46	1,423.32
	22	Pine	107.0	30.0	486.63	118.47	20.03	141.87	766.99
	23	Pine	138.0	32.0	804.85	222.55	33.03	225.08	1,285.50
	24	Pine	130.0	30.5	694.86	185.12	28.54	196.70	1,105.22
	25	Pine	131.0	29.0	673.79	178.11	27.68	191.22	1,070.79
	26	Pine	104.0	29.0	449.37	107.21	18.50	131.87	706.96
	27	Pine	109.0	27.0	458.31	109.89	18.87	134.27	721.35
	28	Pine	73.0	28.0	234.14	47.36	9.68	72.51	363.69
	29	Pine	142.0	24.5	669.45	176.67	27.50	190.09	1,063.71
	30	Pine	133.0	37.3	862.96	242.86	35.40	239.95	1,381.17
	31	Pine	148.0	35.5	996.76	290.94	40.85	273.87	1,602.42
	32	Pine	145.0	12.5	384.77	88.26	15.86	114.37	603.25
	33	Pine	85.0	35.0	371.97	84.60	15.33	110.87	582.78
	34	Pine	126.0	34.0	723.57	194.75	29.71	204.14	1,152.17
	35	Pine	135.0	35.0	837.75	234.00	34.37	233.51	1,339.62
	36	Pine	140.0	34.5	881.75	249.51	36.16	244.74	1,412.16
	37	Pine	142.0	33.4	878.64	248.40	36.04	243.94	1,407.02
	38	Pine	140.0	30.0	779.98	213.96	32.01	218.69	1,244.65
	39	Pine	120.0	32.0	629.78	163.66	25.88	179.73	999.04
	40	Pine	147.0	32.0	899.22	255.72	36.88	249.18	1,441.00
	41	Pine	132.0	33.5	774.98	212.25	31.81	217.41	1,236.44
	42	Pine	146.0	30.5	851.86	238.95	34.95	237.11	1,362.87
	43	Pine	122.0	32.5	657.20	172.63	27.00	186.89	1,043.72
	44	Pine	150.0	31.0	906.08	258.16	37.16	250.92	1,452.32
5	45	Pine	130.0	22.0	521.68	129.25	21.46	151.21	823.61
	46	Pine	135.0	32.5	785.00	215.69	32.22	219.98	1,252.89
	47	Pine	142.0	32.0	846.24	236.98	34.72	235.68	1,353.61
	48	Pine	155.0	32.0	986.86	287.33	40.45	271.37	1,586.01
	49	Pine	148.0	32.0	909.99	259.56	37.32	251.92	1,458.78
	50	Pine	135.0	31.0	753.12	204.77	30.92	211.77	1,200.58
	51	Pine	129.0	30.0	675.64	178.72	27.75	191.70	1,073.82
	52	Pine	132.0	30.0	703.46	187.99	28.89	198.93	1,119.27
	53	Pine	135.0	30.0	731.76	197.52	30.05	206.26	1,165.58
	54	Pine	128.0	29.0	646.94	169.26	26.58	184.22	1,027.00
	55	Pine	132.0	29.0	682.84	181.11	28.05	193.57	1,085.57
	56	Pine	125.0	29.0	620.57	160.66	25.50	177.31	984.05
	57	Pine	128.0	29.0	646.94	169.26	26.58	184.22	1,027.00
	58	Pine	131.0	29.5	683.97	181.49	28.09	193.87	1,087.42
	59	Pine	130.0	29.0	664.79	175.13	27.31	188.87	1,056.10
	60	Pine	127.0	28.0	618.75	160.07	25.43	176.84	981.09
	61	Pine	125.0	28.0	601.75	154.58	24.74	172.38	953.44
	62	Pine	134.0	28.0	679.84	180.12	27.93	192.79	1,080.68
		Mean	128.4	29.8	676.9	181.3	27.8	191.5	1,077.4
		S.D.	18.2	3.5	182.1	59.3	7.4	47.8	296.5
		C.V.	14.1	11.7	26.9	32.7	26.8	24.9	27.5

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
6	1	Pine	127.0	30.5	666.97	175.86	27.40	189.44	1,059.66
	2	Pine	176.0	32.4	1,246.91	385.18	51.04	336.32	2,019.44
	3	Pine	94.0	31.0	398.99	92.37	16.44	118.24	626.05
	4	Pine	110.0	30.6	519.78	128.67	21.39	150.71	820.54
	5	Pine	110.0	25.5	442.93	105.29	18.24	130.14	696.60
	6	Pine	115.0	28.5	527.97	131.21	21.72	152.88	833.78
	7	Pine	116.0	28.5	536.05	133.73	22.05	155.03	846.86
	8	Pine	85.0	27.5	301.02	64.89	12.42	91.31	469.65
	9	Pine	136.0	29.5	730.44	197.07	29.99	205.92	1,163.42
	10	Pine	130.0	30.0	684.86	181.79	28.13	194.10	1,088.87
	11	Pine	97.0	28.0	385.59	88.50	15.89	114.59	604.57
	12	Pine	139.0	32.5	826.28	230.00	33.90	230.57	1,320.75
	13	Pine	83.0	30.0	311.61	67.77	12.86	94.25	486.49
	14	Pine	132.0	31.5	734.23	198.35	30.15	206.90	1,169.63
	15	Pine	106.0	28.5	457.61	109.68	18.84	134.08	720.22
	16	Pine	108.0	28.5	472.87	114.28	19.47	138.18	744.80
	17	Pine	127.0	29.5	647.74	169.53	26.61	184.42	1,028.30
	18	Pine	114.0	28.5	519.94	128.71	21.39	150.75	820.79
	19	Pine	105.0	20.5	337.06	74.77	13.90	101.29	527.02
	20	Pine	87.0	30.5	343.39	76.54	14.16	103.03	537.12
	21	Pine	116.0	30.0	560.73	141.49	23.06	161.57	886.85
	22	Pine	113.0	29.0	519.83	128.68	21.39	150.72	820.62
	23	Pine	123.0	30.5	630.54	163.90	25.91	179.93	1,000.28
	24	Pine	146.0	33.0	912.83	260.58	37.43	252.64	1,463.48
	25	Pine	125.0	30.5	648.64	169.82	26.65	184.66	1,029.78
	26	Pine	122.0	29.0	594.66	152.30	24.45	170.51	941.93
	27	Pine	112.0	28.5	504.03	123.80	20.74	146.51	795.09
	28	Pine	79.0	27.5	264.73	55.24	10.94	81.16	412.07
	29	Pine	98.0	28.0	392.59	90.52	16.18	116.50	615.79
	30	Pine	157.0	30.5	967.68	280.34	39.67	266.53	1,554.23
	31	Pine	100.0	28.0	406.76	94.63	16.76	120.35	638.50
	32	Pine	88.0	27.8	322.98	70.88	13.33	97.40	504.58
	33	Pine	88.0	28.0	325.02	71.44	13.41	97.96	507.83
	34	Pine	131.0	29.0	673.79	178.11	27.68	191.22	1,070.79
	35	Pine	134.0	32.5	774.82	212.19	31.80	217.37	1,236.19
	36	Pine	125.0	31.5	667.27	175.95	27.41	189.52	1,060.16
	37	Pine	136.0	32.0	784.49	215.51	32.20	219.85	1,252.05
	38	Pine	87.0	29.0	328.52	72.41	13.55	98.93	513.42
	39	Pine	100.0	29.0	419.48	98.35	17.28	123.80	658.91
	40	Pine	133.0	30.0	712.84	191.14	29.27	201.36	1,134.61
	41	Pine	95.0	29.5	389.16	89.53	16.04	115.57	610.29
	42	Pine	115.0	29.5	544.19	136.28	22.38	157.19	860.04
	43	Pine	128.0	30.0	666.47	175.69	27.38	189.31	1,058.86
	44	Pine	110.0	28.5	488.35	118.99	20.10	142.32	769.76
6	45	Pine	118.0	28.5	552.38	138.86	22.72	159.36	873.31
	46	Pine	140.0	29.0	757.12	206.13	31.08	212.81	1,207.14
	47	Pine	130.0	29.0	664.79	175.13	27.31	188.87	1,056.10
	48	Pine	139.0	30.0	770.23	210.62	31.62	216.18	1,228.65
	49	Pine	108.0	28.0	465.58	112.08	19.17	136.23	733.06
	50	Pine	127.0	28.0	618.75	160.07	25.43	176.84	981.09
	51	Pine	114.0	28.0	511.92	126.23	21.06	148.62	807.84
	52	Pine	101.0	20.0	308.10	66.81	12.72	93.28	480.91
	53	Pine	94.0	22.0	295.31	63.35	12.19	89.72	460.57
	54	Pine	113.0	28.0	504.07	123.81	20.74	146.52	795.15
	55	Pine	123.0	28.0	584.95	149.19	24.05	167.96	926.15
	56	Pine	149.0	30.0	870.11	245.38	35.69	241.77	1,392.95
	57	Pine	119.0	28.0	551.98	138.73	22.70	159.25	872.66
	58	Pine	115.0	27.0	503.50	123.64	20.72	146.37	794.23

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	59	Pine	116.0	28.0	527.79	131.15	21.71	152.84	833.49
	60	Pine	120.0	28.0	560.15	141.31	23.04	161.41	885.90
	61	Pine	131.0	29.0	673.79	178.11	27.68	191.22	1,070.79
	62	Pine	135.0	29.0	710.31	190.29	29.17	200.70	1,130.47
	63	Pine	127.0	29.0	638.10	166.37	26.22	181.90	1,012.59
	64	Pine	136.0	29.0	719.57	193.40	29.55	203.10	1,145.62
	65	Pine	134.0	29.0	701.10	187.20	28.79	198.32	1,115.41
	66	Pine	115.0	29.0	536.09	133.74	22.05	155.04	846.92
	67	Pine	115.0	28.5	527.97	131.21	21.72	152.88	833.78
	68	Pine	127.0	29.5	647.74	169.53	26.61	184.42	1,028.30
	69	Pine	127.0	29.5	647.74	169.53	26.61	184.42	1,028.30
	70	Pine	115.0	29.0	536.09	133.74	22.05	155.04	846.92
	71	Pine	117.0	29.0	552.56	138.91	22.73	159.40	873.60
	72	Pine	128.0	29.0	646.94	169.26	26.58	184.22	1,027.00
	73	Pine	136.0	29.0	719.57	193.40	29.55	203.10	1,145.62
	74	Pine	129.0	29.0	655.84	172.18	26.95	186.54	1,041.51
	75	Pine	137.0	29.0	728.88	196.55	29.93	205.51	1,160.86
		Mean	118.6	28.9	577.1	148.8	23.7	165.3	914.9
		S.D.	18.1	2.1	175.5	56.8	7.2	46.1	285.5
		C.V.	15.3	7.4	30.4	38.2	30.2	27.9	31.2
7	1	Pine	119.0	28.0	551.98	138.73	22.70	159.25	872.66
	2	Pine	115.0	29.5	544.19	136.28	22.38	157.19	860.04
	3	Pine	115.0	30.0	552.27	138.82	22.71	159.33	873.14
	4	Pine	103.0	29.5	448.49	106.95	18.47	131.63	705.54
	5	Pine	94.0	27.5	359.18	80.97	14.81	107.37	562.33
	6	Pine	88.0	27.5	319.92	70.04	13.20	96.55	499.71
	7	Pine	66.0	25.5	180.72	34.24	7.48	57.18	279.61
	8	Pine	122.0	29.5	603.65	155.19	24.81	172.88	956.53
	9	Pine	80.0	25.3	251.55	51.82	10.39	77.44	391.20
	10	Pine	100.0	30.0	432.15	102.09	17.80	127.22	679.26
	11	Pine	108.0	31.0	509.08	125.35	20.95	147.86	803.24
	12	Pine	81.0	29.5	294.18	63.05	12.14	89.40	458.78
	13	Pine	96.0	30.0	402.27	93.32	16.58	119.13	631.30
	14	Pine	122.0	31.5	639.42	166.80	26.28	182.25	1,014.74
	15	Pine	101.0	31.0	452.60	108.18	18.64	132.74	712.15
	16	Pine	134.0	31.5	753.86	205.02	30.95	211.97	1,201.80
	17	Pine	98.0	30.0	417.09	97.65	17.18	123.15	655.08
	18	Pine	94.0	29.3	379.73	86.82	15.65	112.99	595.19
	19	Pine	71.0	26.5	212.48	41.94	8.79	66.33	329.54
	20	Pine	100.0	29.3	423.28	99.47	17.44	124.83	665.02
	21	Pine	104.0	30.5	469.70	113.33	19.34	137.33	739.70
	22	Pine	91.0	29.0	355.49	79.93	14.66	106.36	556.44
	23	Pine	115.0	30.5	560.34	141.37	23.04	161.46	886.22
	24	Pine	134.0	32.0	764.35	208.61	31.38	214.67	1,219.01
	25	Pine	111.0	31.0	534.16	133.14	21.97	154.53	843.80
	26	Pine	147.0	32.4	909.08	259.23	37.28	251.68	1,457.28
	27	Pine	104.0	29.3	453.45	108.43	18.67	132.97	713.52
	28	Pine	115.0	30.5	560.34	141.37	23.04	161.46	886.22
	29	Pine	88.0	29.5	340.25	75.66	14.03	102.17	532.10
	30	Pine	125.0	30.5	648.64	169.82	26.65	184.66	1,029.78
	31	Pine	93.0	29.5	374.90	85.44	15.45	111.67	587.46
7	32	Pine	142.0	31.2	827.64	230.47	33.96	230.92	1,323.00
	33	Pine	84.0	29.0	308.90	67.03	12.75	93.50	482.18
	34	Pine	114.0	30.5	551.82	138.68	22.70	159.21	872.40
	35	Pine	94.0	29.5	382.00	87.47	15.75	113.61	598.83
	36	Pine	127.0	30.5	666.97	175.86	27.40	189.44	1,059.66
	37	Pine	142.0	31.5	834.62	232.91	34.24	232.71	1,334.48
	38	Pine	114.0	29.5	535.91	133.69	22.04	154.99	846.64

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	39	Pine	91.0	28.5	350.11	78.42	14.44	104.88	547.84
	40	Pine	121.0	30.5	612.66	158.10	25.18	175.24	971.18
	41	Pine	108.0	30.5	501.87	123.13	20.65	145.94	791.59
	42	Pine	122.0	30.0	612.62	158.09	25.18	175.23	971.12
	43	Pine	112.0	30.2	530.32	131.94	21.82	153.51	837.59
	44	Pine	119.0	30.5	595.00	152.41	24.46	170.60	942.47
	45	Pine	79.0	20.5	204.58	39.99	8.46	64.07	317.10
	46	Pine	98.0	29.0	404.87	94.08	16.68	119.84	635.46
	47	Pine	95.0	28.5	377.56	86.20	15.56	112.40	591.72
	48	Pine	79.0	28.0	268.95	56.35	11.11	82.34	418.75
	49	Pine	126.0	30.5	657.78	172.82	27.02	187.04	1,044.67
	50	Pine	87.0	27.5	313.56	68.30	12.94	94.79	489.60
	51	Pine	126.0	29.6	640.72	167.22	26.33	182.59	1,016.86
	52	Pine	98.0	25.5	361.66	81.67	14.91	108.05	566.29
	53	Pine	134.0	30.5	732.82	197.88	30.09	206.53	1,167.32
	54	Pine	106.0	28.0	450.56	107.57	18.55	132.19	708.86
	55	Pine	133.0	29.0	691.94	184.15	28.42	195.94	1,100.45
	56	Pine	133.0	30.0	712.84	191.14	29.27	201.36	1,134.61
	57	Pine	93.0	29.5	374.90	85.44	15.45	111.67	587.46
	58	Pine	92.0	28.7	359.08	80.94	14.81	107.34	562.18
	59	Pine	91.0	28.5	350.11	78.42	14.44	104.88	547.84
	60	Pine	105.0	28.0	443.12	105.35	18.25	130.19	696.91
	61	Pine	119.0	29.5	577.84	146.92	23.76	166.08	914.61
	62	Pine	109.0	29.5	495.35	121.13	20.39	144.20	781.06
	63	Pine	120.0	28.0	560.15	141.31	23.04	161.41	885.90
	64	Pine	116.0	29.0	544.30	136.31	22.39	157.22	860.21
	65	Pine	105.0	29.0	456.98	109.49	18.82	133.92	719.21
	66	Pine	100.0	27.5	400.38	92.77	16.50	118.62	628.27
	67	Pine	115.0	30.0	552.27	138.82	22.71	159.33	873.14
	68	Pine	133.0	30.0	712.84	191.14	29.27	201.36	1,134.61
	69	Pine	111.0	30.0	519.01	128.43	21.35	150.50	819.29
	70	Pine	147.0	32.0	899.22	255.72	36.88	249.18	1,441.00
	71	Pine	115.0	31.0	568.40	143.92	23.37	163.59	899.28
	72	Pine	126.0	30.0	648.31	169.71	26.64	184.57	1,029.23
	73	Pine	144.0	31.0	843.44	236.00	34.60	234.96	1,349.00
	74	Pine	112.0	30.0	527.24	130.98	21.69	152.69	832.60
	75	Pine	125.0	29.0	620.57	160.66	25.50	177.31	984.05
	76	Pine	127.0	29.0	638.10	166.37	26.22	181.90	1,012.59
	77	Pine	120.0	28.0	560.15	141.31	23.04	161.41	885.90
	78	Pine	134.0	29.0	701.10	187.20	28.79	198.32	1,115.41
	79	Pine	98.0	25.0	355.43	79.91	14.66	106.34	556.34
		Mean	109.8	29.3	513.1	128.6	21.1	148.3	811.2
		S.D.	18.4	1.8	164.3	51.0	6.7	43.8	265.8
		C.V.	16.8	6.2	32.0	39.7	31.8	29.5	32.8
8	1	Pine	150.0	35.0	1,007.90	295.02	41.31	276.67	1,620.90
	2	Pine	123.0	34.0	693.61	184.70	28.49	196.37	1,103.16
	3	Pine	124.0	35.5	730.70	197.16	30.00	205.98	1,163.84
	4	Pine	138.0	32.5	815.87	226.37	33.48	227.91	1,303.63
	5	Pine	149.0	35.5	1,008.61	295.28	41.33	276.85	1,622.08
	6	Pine	120.0	35.5	689.83	183.44	28.33	195.39	1,097.00
	7	Pine	106.0	31.5	499.62	122.44	20.56	145.33	787.95
	8	Pine	136.0	34.6	840.15	234.84	34.47	234.12	1,343.58
	9	Pine	170.0	35.0	1,255.49	388.50	51.39	338.44	2,033.82
	10	Pine	96.0	29.0	390.48	89.91	16.09	115.92	612.40
	11	Pine	110.0	30.5	518.29	128.20	21.32	150.31	818.13
	12	Pine	140.0	30.6	793.65	218.67	32.57	222.21	1,267.11
	13	Pine	155.0	30.0	932.53	267.64	38.23	257.63	1,496.04
	14	Pine	111.0	28.5	496.16	121.38	20.42	144.41	782.38

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
8	15	Pine	123.0	33.2	679.26	179.93	27.90	192.64	1,079.74
	16	Pine	119.0	33.5	646.05	168.97	26.55	183.98	1,025.56
	17	Pine	130.0	30.5	694.86	185.12	28.54	196.70	1,105.22
	18	Pine	96.0	28.5	384.56	88.20	15.85	114.31	602.93
	19	Pine	143.0	30.5	821.38	228.29	33.70	229.32	1,312.69
	20	Pine	134.0	29.0	701.10	187.20	28.79	198.32	1,115.41
	21	Pine	64.0	18.0	126.13	21.82	5.23	41.11	194.28
	22	Pine	130.0	30.5	694.86	185.12	28.54	196.70	1,105.22
	23	Pine	137.0	30.5	761.86	207.75	31.27	214.03	1,214.91
	24	Pine	135.0	31.5	763.76	208.40	31.35	214.52	1,218.04
	25	Pine	128.0	30.0	666.47	175.69	27.38	189.31	1,058.86
	26	Pine	127.0	30.5	666.97	175.86	27.40	189.44	1,059.66
	27	Pine	138.0	32.0	804.85	222.55	33.03	225.08	1,285.50
	28	Pine	144.0	33.5	902.84	257.01	37.02	250.10	1,446.97
	29	Pine	146.0	30.5	851.86	238.95	34.95	237.11	1,362.87
	30	Pine	148.0	31.6	900.00	255.99	36.91	249.38	1,442.28
	31	Pine	150.0	32.5	944.44	271.93	38.72	260.65	1,515.74
	32	Pine	149.0	32.7	938.46	269.77	38.48	259.14	1,505.84
	33	Pine	150.0	33.0	957.18	276.54	39.24	263.88	1,536.83
	34	Pine	120.0	32.0	629.78	163.66	25.88	179.73	999.04
	35	Pine	116.0	31.5	585.26	149.29	24.06	168.04	926.65
	36	Pine	136.0	31.7	778.03	213.29	31.93	218.19	1,241.45
	37	Pine	131.0	30.5	704.27	188.27	28.92	199.14	1,120.60
	38	Pine	147.0	30.5	862.13	242.57	35.36	239.73	1,379.79
	39	Pine	138.0	31.0	782.73	214.91	32.13	219.40	1,249.17
	40	Pine	144.0	31.5	855.36	240.19	35.09	238.01	1,368.64
	41	Pine	146.0	30.5	851.86	238.95	34.95	237.11	1,362.87
	42	Pine	149.0	31.0	895.51	254.39	36.72	248.24	1,434.86
	43	Pine	138.0	31.0	782.73	214.91	32.13	219.40	1,249.17
	44	Pine	126.0	31.0	667.23	175.94	27.41	189.51	1,060.09
	45	Pine	152.0	31.5	940.50	270.51	38.56	259.65	1,509.23
	46	Pine	110.0	30.0	510.83	125.89	21.02	148.32	806.07
	47	Pine	106.0	30.0	478.68	116.05	19.70	139.74	754.16
	48	Pine	112.0	29.0	511.79	126.19	21.06	148.58	807.61
	49	Pine	123.0	30.0	621.46	160.95	25.54	177.55	985.50
	50	Pine	115.0	30.0	552.27	138.82	22.71	159.33	873.14
	51	Pine	135.0	30.5	742.45	201.14	30.48	209.02	1,183.09
	52	Pine	96.0	18.5	263.20	54.84	10.87	80.73	409.64
	53	Pine	143.0	29.0	785.82	215.97	32.25	220.20	1,254.25
	54	Pine	68.0	18.0	140.28	24.93	5.82	45.32	216.35
	55	Pine	128.0	28.0	627.32	162.86	25.78	179.08	995.04
	56	Pine	124.0	28.5	602.61	154.86	24.77	172.60	954.84
	57	Pine	110.0	28.0	480.82	116.70	19.79	140.31	757.62
	58	Pine	108.0	28.0	465.58	112.08	19.17	136.23	733.06
	59	Pine	139.0	28.0	724.98	195.23	29.77	204.50	1,154.49
	60	Pine	142.0	28.5	764.45	208.64	31.38	214.70	1,219.16
	61	Pine	139.0	28.5	736.33	199.07	30.23	207.44	1,173.07
	62	Pine	127.0	28.5	628.43	163.22	25.83	179.37	996.85
	63	Pine	141.0	29.0	766.64	209.39	31.47	215.26	1,222.75
	64	Pine	132.0	28.5	672.50	177.68	27.63	190.88	1,068.69
	65	Pine	140.0	28.5	745.65	202.23	30.61	209.85	1,188.34
	66	Pine	142.0	29.0	776.21	212.67	31.86	217.72	1,238.45
	67	Pine	128.0	28.0	627.32	162.86	25.78	179.08	995.04
	68	Pine	142.0	28.5	764.45	208.64	31.38	214.70	1,219.16
	69	Pine	147.0	29.5	837.27	233.84	34.35	233.39	1,338.85
	70	Pine	129.0	28.0	635.95	165.67	26.13	181.34	1,009.09
	71	Pine	101.0	22.0	334.98	74.19	13.82	100.72	523.70
	72	Pine	122.0	23.0	485.21	118.04	19.97	141.49	764.71

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	73	Pine	132.0	26.0	620.44	160.62	25.50	177.28	983.85
	74	Pine	138.0	28.0	715.86	192.15	29.40	202.14	1,139.55
		Mean	129.5	29.9	696.4	188.1	28.6	196.4	1,109.6
		S.D.	18.7	3.5	195.5	63.5	8.0	51.4	318.2
		C.V.	14.5	11.6	28.1	33.7	27.9	26.2	28.7
9	1	Pine	83.0	30.0	311.61	67.77	12.86	94.25	486.49
	2	Pine	154.0	30.0	922.00	263.86	37.80	254.96	1,478.62
	3	Pine	148.0	30.0	859.88	241.78	35.27	239.16	1,376.10
	4	Pine	139.0	30.0	770.23	210.62	31.62	216.18	1,228.65
	5	Pine	98.0	30.0	417.09	97.65	17.18	123.15	655.08
	6	Pine	132.0	30.0	703.46	187.99	28.89	198.93	1,119.27
	7	Pine	98.0	30.0	417.09	97.65	17.18	123.15	655.08
	8	Pine	132.0	30.0	703.46	187.99	28.89	198.93	1,119.27
	9	Pine	136.0	30.0	741.30	200.75	30.43	208.72	1,181.20
	10	Pine	107.0	30.0	486.63	118.47	20.03	141.87	766.99
	11	Pine	147.0	30.0	849.71	238.20	34.86	236.57	1,359.34
	12	Pine	95.0	30.0	394.94	91.20	16.28	117.14	619.56
	13	Pine	100.0	30.0	432.15	102.09	17.80	127.22	679.26
	14	Pine	143.0	30.0	809.55	224.18	33.22	226.29	1,293.24
	15	Pine	147.0	30.0	849.71	238.20	34.86	236.57	1,359.34
	16	Pine	139.0	30.0	770.23	210.62	31.62	216.18	1,228.65
	17	Pine	97.0	30.0	409.65	95.47	16.88	121.14	643.14
	18	Pine	125.0	30.0	639.30	166.76	26.27	182.22	1,014.56
	19	Pine	116.0	30.0	560.73	141.49	23.06	161.57	886.85
	20	Pine	121.0	30.0	603.84	155.25	24.82	172.92	956.83
	21	Pine	158.0	30.0	964.44	279.17	39.53	265.71	1,548.85
	22	Pine	105.0	30.0	470.78	113.65	19.38	137.62	741.43
	23	Pine	96.0	30.0	402.27	93.32	16.58	119.13	631.30
	24	Pine	130.0	30.0	684.86	181.79	28.13	194.10	1,088.87
	25	Pine	114.0	30.0	543.87	136.18	22.37	157.10	859.53
	26	Pine	113.0	30.0	535.53	133.57	22.03	154.89	846.02
	27	Pine	86.0	30.0	331.65	73.27	13.68	99.80	518.39
	28	Pine	100.0	30.0	432.15	102.09	17.80	127.22	679.26
	29	Pine	106.0	30.0	478.68	116.05	19.70	139.74	754.16
	30	Pine	82.0	30.0	305.05	65.98	12.59	92.43	476.06
	31	Pine	98.0	30.0	417.09	97.65	17.18	123.15	655.08
	32	Pine	67.0	25.0	182.35	34.63	7.55	57.65	282.18
	33	Pine	136.0	30.0	741.30	200.75	30.43	208.72	1,181.20
	34	Pine	91.0	30.0	366.23	82.97	15.10	109.30	573.59
	35	Pine	110.0	30.0	510.83	125.89	21.02	148.32	806.07
	36	Pine	94.0	30.0	387.68	89.10	15.98	115.16	607.92
	37	Pine	127.0	30.0	657.36	172.69	27.01	186.94	1,044.00
	38	Pine	144.0	30.0	819.51	227.64	33.63	228.84	1,309.62
	39	Pine	135.0	30.0	731.76	197.52	30.05	206.26	1,165.58
	40	Pine	108.0	30.0	494.64	120.92	20.36	144.01	779.92
	41	Pine	96.0	30.0	402.27	93.32	16.58	119.13	631.30
	42	Pine	92.0	28.0	351.39	78.78	14.49	105.23	549.88
	43	Pine	89.0	30.0	352.22	79.01	14.52	105.46	551.21
	44	Pine	77.0	25.0	232.78	47.02	9.62	72.12	361.54
	45	Pine	104.0	30.0	462.94	111.28	19.06	135.52	728.80
	46	Pine	99.0	30.0	424.59	99.86	17.49	125.18	667.12
	47	Pine	103.0	30.0	455.16	108.95	18.74	133.43	716.27
	48	Pine	102.0	30.0	447.43	106.63	18.42	131.35	703.83
	49	Pine	135.0	30.0	731.76	197.52	30.05	206.26	1,165.58
	50	Pine	78.0	30.0	279.42	59.11	11.54	85.28	435.35
	51	Pine	134.0	30.0	722.27	194.31	29.66	203.80	1,150.04
	52	Pine	135.0	30.0	731.76	197.52	30.05	206.26	1,165.58
	53	Pine	108.0	30.0	494.64	120.92	20.36	144.01	779.92

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	54	Pine	147.0	30.0	849.71	238.20	34.86	236.57	1,359.34
	55	Pine	141.0	30.0	789.79	217.34	32.41	221.21	1,260.75
	56	Pine	140.0	30.0	779.98	213.96	32.01	218.69	1,244.65
	57	Pine	104.0	30.0	462.94	111.28	19.06	135.52	728.80
	58	Pine	142.0	30.0	799.64	220.74	32.82	223.75	1,276.95
	59	Pine	121.0	30.0	603.84	155.25	24.82	172.92	956.83
	60	Pine	116.0	30.0	560.73	141.49	23.06	161.57	886.85
	61	Pine	114.0	30.0	543.87	136.18	22.37	157.10	859.53
	62	Pine	113.0	30.0	535.53	133.57	22.03	154.89	846.02
		Mean	115.3	29.8	566.5	145.9	23.3	162.4	898.1
		S.D.	22.2	0.9	190.6	60.5	7.8	50.4	309.2
		C.V.	19.3	3.1	33.6	41.5	33.5	31.0	34.4
10	1	Pine	109.0	29.0	487.97	118.88	20.08	142.22	769.16
	2	Pine	93.0	30.0	380.47	87.03	15.68	113.20	596.37
	3	Pine	61.0	25.0	154.67	28.17	6.41	49.57	238.82
	4	Pine	116.0	33.0	609.64	157.13	25.06	174.45	966.28
	5	Pine	80.0	32.0	309.14	67.09	12.76	93.56	482.55
	6	Pine	133.0	35.0	816.09	226.45	33.49	227.96	1,303.98
	7	Pine	125.0	35.0	731.90	197.57	30.05	206.29	1,165.82
	8	Pine	126.0	32.0	686.08	182.19	28.18	194.42	1,090.87
	9	Pine	105.0	29.0	456.98	109.49	18.82	133.92	719.21
	10	Pine	99.0	29.0	412.15	96.20	16.98	121.81	647.14
	11	Pine	117.0	31.0	585.86	149.48	24.09	168.19	927.62
	12	Pine	98.0	30.0	417.09	97.65	17.18	123.15	655.08
	13	Pine	123.0	31.5	648.65	169.82	26.65	184.66	1,029.78
	14	Pine	82.0	28.0	287.13	61.16	11.85	87.44	447.59
	15	Pine	126.0	31.0	667.23	175.94	27.41	189.51	1,060.09
	16	Pine	90.0	28.0	338.09	75.06	13.95	101.57	528.67
	17	Pine	129.0	30.0	675.64	178.72	27.75	191.70	1,073.82
	18	Pine	94.0	28.0	364.90	82.59	15.04	108.94	571.48
	19	Pine	122.0	30.0	612.62	158.09	25.18	175.23	971.12
	20	Pine	107.0	30.0	486.63	118.47	20.03	141.87	766.99
	21	Pine	120.0	31.0	612.48	158.04	25.17	175.19	970.88
	22	Pine	77.0	26.0	240.93	49.09	9.96	74.44	374.41
	23	Pine	105.0	29.0	456.98	109.49	18.82	133.92	719.21
	24	Pine	96.0	27.0	366.74	83.11	15.12	109.44	574.42
	25	Pine	93.0	25.0	324.22	71.22	13.38	97.74	506.56
	26	Pine	101.0	27.0	400.92	92.93	16.52	118.77	629.14
	27	Pine	70.0	22.0	176.03	33.13	7.29	55.81	272.26
	28	Pine	109.0	25.0	428.38	100.98	17.64	126.21	673.21
	29	Pine	136.0	28.0	697.75	186.08	28.66	197.45	1,109.93
	30	Pine	130.0	30.0	684.86	181.79	28.13	194.10	1,088.87
	31	Pine	115.0	28.0	519.83	128.68	21.39	150.72	820.62
	32	Pine	103.0	27.0	414.96	97.03	17.10	122.58	651.66
	33	Pine	110.0	28.0	480.82	116.70	19.79	140.31	757.62
	34	Pine	66.0	25.0	177.60	33.50	7.35	56.27	274.73
	35	Pine	121.0	30.0	603.84	155.25	24.82	172.92	956.83
	36	Pine	62.0	22.0	142.26	25.37	5.90	45.91	219.43
	37	Pine	87.0	26.0	298.51	64.21	12.32	90.61	465.65
	38	Pine	114.0	28.0	511.92	126.23	21.06	148.62	807.84
	39	Pine	92.0	23.0	295.68	63.45	12.21	89.82	461.16
	40	Pine	114.0	30.0	543.87	136.18	22.37	157.10	859.53
	41	Pine	62.0	24.0	153.55	27.92	6.36	49.24	237.06
	42	Pine	100.0	26.0	381.15	87.22	15.71	113.38	597.47
	43	Pine	119.0	27.0	534.64	133.29	21.99	154.66	844.58
	44	Pine	103.0	28.0	428.42	100.99	17.65	126.22	673.27
	45	Pine	114.0	28.0	511.92	126.23	21.06	148.62	807.84
	46	Pine	100.0	24.0	355.30	79.88	14.65	106.31	556.13

Table B.1-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
	47	Pine	120.0	28.0	560.15	141.31	23.04	161.41	885.90
	48	Pine	119.0	26.0	517.23	127.87	21.28	150.03	816.41
	49	Pine	122.0	28.0	576.63	146.54	23.71	165.76	912.64
	50	Pine	120.0	28.0	560.15	141.31	23.04	161.41	885.90
	51	Pine	111.0	28.0	488.52	119.04	20.11	142.37	770.04
	52	Pine	130.0	30.0	684.86	181.79	28.13	194.10	1,088.87
	53	Pine	115.0	28.0	519.83	128.68	21.39	150.72	820.62
	54	Pine	114.0	28.0	511.92	126.23	21.06	148.62	807.84
	55	Pine	120.0	28.0	560.15	141.31	23.04	161.41	885.90
	56	Pine	129.0	28.0	635.95	165.67	26.13	181.34	1,009.09
	57	Pine	132.0	29.0	682.84	181.11	28.05	193.57	1,085.57
	58	Pine	131.0	29.0	673.79	178.11	27.68	191.22	1,070.79
	59	Pine	140.0	29.0	757.12	206.13	31.08	212.81	1,207.14
	60	Pine	132.0	29.0	682.84	181.11	28.05	193.57	1,085.57
		Mean	108.2	28.3	488.1	121.2	20.1	141.6	770.9
		S.D.	19.8	2.7	165.9	49.5	6.8	44.8	266.8
		C.V.	18.3	9.4	34.0	40.8	33.8	31.6	34.6

Table B.1-2. Growths of successional species in ten plots in the 22-year-old pine plantation

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	1	<i>D. glandulosa</i>	44.0	18.2	93.76	26.44	6.09	22.69	148.99
	2	<i>L. glutinosa</i>	64.0	18.5	189.52	55.87	11.03	42.03	298.44
	3	<i>L. glutinosa</i>	68.0	27.5	304.97	92.64	16.48	63.75	477.84
	4	<i>L. glutinosa</i>	53.0	26.3	185.15	54.50	10.82	41.18	291.64
	5	<i>G. usitata</i>	45.0	16.2	87.80	24.66	5.77	21.42	139.65
	6	<i>G. usitata</i>	51.0	16.5	112.39	32.06	7.10	26.59	178.14
	7	<i>D. glandulosa</i>	71.0	25.1	303.58	92.19	16.42	63.50	475.68
	8	<i>D. glandulosa</i>	63.0	25.0	242.80	72.70	13.60	52.21	381.32
	9	<i>D. glandulosa</i>	64.0	15.2	158.21	46.11	9.47	35.88	249.67
	10	<i>F. ribes</i>	50.0	10.3	70.29	19.46	4.78	17.63	112.15
	11	<i>L. glutinosa</i>	44.0	12.0	63.94	17.60	4.41	16.23	102.18
	12	<i>L. glutinosa</i>	46.0	11.0	64.05	17.63	4.42	16.25	102.36
2	1	<i>G. pinnata</i>	51.0	18.1	122.06	35.00	7.61	28.59	193.26
	2	<i>W. tometosa</i>	49.0	7.0	47.49	12.83	3.43	12.50	76.25
	3	<i>D. glandulosa</i>	34.0	9.5	32.12	8.46	2.47	8.88	51.93
	4	<i>F. ribes</i>	46.0	15.0	85.18	23.87	5.62	20.86	135.53
	5	<i>W. tometosa</i>	83.0	24.0	388.19	119.73	20.20	78.75	606.87
	6	<i>L. glandifolius</i>	56.0	23.4	184.01	54.14	10.76	40.95	289.87
	7	<i>A. odoratissima</i>	93.0	23.5	469.29	146.49	23.70	92.99	732.48
	8	<i>L. glandifolius</i>	82.0	25.3	398.49	123.11	20.65	80.58	622.83
	9	<i>D. glandulosa</i>	77.0	24.2	340.77	104.24	18.10	70.26	533.36
	10	<i>L. glandifolius</i>	85.0	25.5	428.79	133.08	21.97	85.92	669.76
3	1	<i>D. cultrata</i>	43.0	8.5	44.65	12.01	3.26	11.85	71.77
	2	<i>A. odoratissima</i>	61.0	29.0	262.27	78.91	14.51	55.86	411.55
	3	<i>M. indica</i>	39.0	9.0	39.33	10.50	2.93	10.60	63.35
	4	<i>M. indica</i>	39.0	7.5	33.26	8.78	2.54	9.15	53.74
4	1	<i>L. glandifolius</i>	44.0	10.5	56.56	15.45	3.98	14.57	90.56
	2	<i>B. variegata</i>	69.0	18.5	217.62	64.71	12.40	47.44	342.16
	3	<i>B. variegata</i>	86.0	25.0	430.21	133.55	22.03	86.17	671.96
	4	<i>A. odoratissima</i>	114.0	13.0	395.97	122.28	20.54	80.14	618.93
5	1	<i>D. cultrata</i>	64.0	15.5	161.08	47.00	9.62	36.45	254.14
	2	<i>P. serratum</i>	52.0	8.5	63.32	17.42	4.38	16.09	101.19
	3	<i>L. duperreanum</i>	93.0	15.5	320.15	97.55	17.17	66.52	501.38
	4	<i>D. cultrata</i>	58.0	13.5	118.39	33.88	7.42	27.83	187.52
	5	<i>F. ribes</i>	79.0	12.0	187.49	55.23	10.93	41.63	295.28
	6	<i>S. wallichii</i>	45.0	15.5	84.31	23.61	5.57	20.67	134.17
	7	<i>D. glandulosa</i>	58.0	14.5	126.43	36.33	7.84	29.48	200.08
	8	<i>A. odoratissima</i>	82.0	15.0	246.48	73.87	13.77	52.90	387.02
	9	<i>F. ribes</i>	75.0	13.5	189.89	55.98	11.05	42.10	299.02
	10	<i>F. ribes</i>	59.0	10.5	96.98	27.40	6.27	23.37	154.02
	11	<i>F. ribes</i>	60.0	10.5	100.02	28.32	6.44	24.01	158.78
	12	<i>G. pinnata</i>	49.0	10.5	68.93	19.06	4.70	17.33	110.02
	13	<i>A. villosa</i>	76.0	22.0	304.78	92.58	16.47	63.72	477.54
6	1	<i>F. ribes</i>	62.0	18.5	178.78	52.51	10.50	39.93	281.72
	2	<i>M. denticulata</i>	87.0	25.0	439.44	136.60	22.43	87.79	686.26
	3	<i>A. odoratissima</i>	89.0	28.0	508.49	159.53	25.36	99.76	793.14
	4	<i>A. odoratissima</i>	84.0	28.0	457.22	142.48	23.19	90.89	713.79
	5	<i>D. glandulosa</i>	50.0	15.0	99.29	28.10	6.40	23.86	157.64
7	1	<i>F. ribes</i>	55.0	8.0	66.39	18.32	4.55	16.77	106.03
	2	<i>P. macrocarpus</i>	52.0	10.5	76.89	21.41	5.16	19.07	122.52
	3	<i>P. serratum</i>	51.0	12.5	87.08	24.44	5.73	21.27	138.52
8	1	<i>F. ribes</i>	115.0	11.0	345.11	105.66	18.29	71.04	540.11
	2	<i>G. usitata</i>	75.0	25.0	334.53	102.21	17.82	69.13	523.69
9	1	<i>B. variegata</i>	45.0	12.0	66.64	18.39	4.57	16.82	106.42
	2	<i>B. variegata</i>	32.0	10.0	30.12	7.91	2.34	8.39	48.75
	3	<i>B. variegata</i>	79.0	13.0	201.80	59.72	11.63	44.40	317.55

Table B.1-2. (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass/tree (kg)				
					Stem	Branch	Leaf	Root	Total
10	4	<i>M. pierrei</i>	24.0	4.5	8.52	2.07	0.81	2.78	14.17
	5	<i>B. variegata</i>	63.0	12.0	123.68	35.49	7.70	28.92	195.79
	6	<i>D. cultrata</i>	43.0	14.0	70.63	19.56	4.80	17.70	112.69
	7	<i>D. cultrata</i>	19.0	6.0	7.22	1.73	0.70	2.40	12.06
	8	<i>G. arborea</i>	55.0	8.0	66.39	18.32	4.55	16.77	106.03
	9	<i>B. variegata</i>	68.0	12.0	142.32	41.20	8.67	32.70	224.90
	10	<i>G. arborea</i>	69.0	14.0	168.44	49.29	9.99	37.90	265.62
	11	<i>D. cultrata</i>	52.0	16.0	113.23	32.31	7.15	26.77	179.45
	12	<i>F. ribes</i>	54.0	16.0	121.36	34.78	7.58	28.44	192.16
	13	<i>P. tomentosa</i>	55.0	16.0	125.53	36.05	7.79	29.29	198.67
	14	<i>P. tomentosa</i>	51.0	11.0	77.43	21.57	5.19	19.19	123.38
	15	<i>B. variegata</i>	45.0	10.0	56.36	15.39	3.97	14.53	90.24
	16	<i>F. ribes</i>	49.0	13.0	83.88	23.49	5.55	20.58	133.49
	17	<i>C. pruniflorum</i>	40.0	8.0	36.97	9.83	2.78	10.04	59.63
	18	<i>B. variegata</i>	56.0	12.0	99.61	28.19	6.41	23.92	158.14
	19	<i>B. variegata</i>	42.0	8.0	40.44	10.81	3.00	10.86	65.12
	20	<i>B. variegata</i>	48.0	12.0	75.03	20.86	5.05	18.66	119.61
	21	<i>A. odoratissima</i>	42.0	12.0	58.70	16.07	4.11	15.05	93.93
	22	<i>D. glandulosa</i>	118.0	19.0	597.94	189.52	29.08	114.98	931.51
	23	<i>L. duperreanum</i>	118.0	19.0	597.94	189.52	29.08	114.98	931.51
	24	<i>P. tomentosa</i>	53.0	15.0	110.51	31.49	7.00	26.20	175.20
	25	<i>S. wallichii</i>	27.0	7.0	15.88	4.00	1.36	4.79	26.04
	26	<i>B. variegata</i>	46.0	11.0	64.05	17.63	4.42	16.25	102.36
	1	<i>V. pinnata</i>	13.0	4.5	2.76	0.62	0.31	1.03	4.73
	2	<i>S. wallichii</i>	29.0	7.0	18.11	4.60	1.52	5.37	29.61
	3	<i>G. arborea</i>	103.0	25.0	599.33	189.99	29.13	115.21	933.66
	4	<i>A. odoratissima</i>	48.0	20.0	119.99	34.36	7.50	28.16	190.01
	5	<i>A. odoratissima</i>	42.0	18.0	85.21	23.88	5.62	20.86	135.58
	6	<i>V. pinnata</i>	20.0	6.0	7.94	1.92	0.76	2.61	13.22
	7	<i>V. pinnata</i>	12.0	5.0	2.63	0.59	0.30	0.99	4.51
	8	<i>M. pierrei</i>	14.0	5.5	3.80	0.88	0.41	1.37	6.46
	9	<i>L. glutinosa</i>	30.0	9.0	24.28	6.29	1.95	6.95	39.47
	10	<i>M. pierrei</i>	35.0	8.0	28.93	7.57	2.26	8.10	46.86
	11	<i>G. arborea</i>	98.0	20.0	445.53	138.62	22.69	88.86	695.69
	12	<i>G. usitata</i>	54.0	9.0	71.52	19.83	4.85	17.90	114.10
	13	<i>V. pinnata</i>	22.0	3.0	5.00	1.17	0.51	1.74	8.43
	14	<i>Sterculia sp.</i>	36.0	7.0	26.95	7.02	2.13	7.61	43.71
	15	<i>L. glutinosa</i>	18.0	4.0	4.51	1.05	0.47	1.59	7.62
	16	<i>D. cultrata</i>	88.0	24.0	432.25	134.23	22.11	86.53	675.12
	17	<i>L. glutinosa</i>	52.0	10.0	73.51	20.41	4.96	18.33	117.23

Table B.2-1. Biomass carbon of pine in ten plots in the 22-year-old plantation

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	1	Pine	117.0	32.4	320.22	67.13	11.11	81.20	479.66
	2	Pine	63.0	26.2	89.68	13.62	3.14	25.26	131.70
	3	Pine	109.0	31.1	272.81	54.92	9.48	70.10	407.30
	4	Pine	85.0	29.3	167.33	29.77	5.83	44.77	247.70
	5	Pine	91.0	31.2	199.30	37.06	6.94	52.56	295.85
	6	Pine	118.0	32.2	322.84	67.82	11.20	81.81	483.67
	7	Pine	125.0	35.4	388.69	85.58	13.48	97.00	584.74
	8	Pine	83.0	21.3	121.31	19.89	4.23	33.33	178.77
	9	Pine	72.0	24.4	106.50	16.90	3.72	29.58	156.69
	10	Pine	105.0	27.2	227.14	43.65	7.90	59.25	337.95
	11	Pine	82.0	25.6	139.56	23.71	4.87	37.90	206.04
	12	Pine	84.0	26.8	151.56	26.29	5.28	40.88	224.01
	13	Pine	96.0	27.6	196.59	36.43	6.84	51.90	291.76
	14	Pine	89.0	27.0	168.84	30.10	5.88	45.14	249.96
	15	Pine	66.0	26.2	97.14	15.06	3.40	27.18	142.78
	16	Pine	103.0	27.6	222.44	42.52	7.74	58.13	330.82
	17	Pine	88.0	25.2	155.53	27.16	5.42	41.86	229.97
	18	Pine	86.0	23.3	139.69	23.74	4.87	37.94	206.24
	19	Pine	89.0	28.5	177.04	31.95	6.17	47.15	262.30
	20	Pine	103.0	30.1	240.02	46.78	8.35	62.33	357.47
	21	Pine	108.0	31.3	269.57	54.10	9.37	69.33	402.37
	22	Pine	98.0	29.3	214.81	40.70	7.47	56.30	319.29
	23	Pine	83.0	28.4	156.15	27.29	5.44	42.02	230.91
	24	Pine	120.0	32.3	333.86	70.73	11.59	84.37	500.55
	25	Pine	150.0	28.2	438.44	99.52	15.19	108.33	661.48
	26	Pine	65.0	27.4	98.53	15.33	3.44	27.54	144.84
	27	Pine	108.0	27.6	241.73	47.20	8.40	62.74	360.07
	28	Pine	82.0	27.1	146.71	25.24	5.12	39.68	216.74
	29	Pine	89.0	27.3	170.49	30.47	5.94	45.54	252.44
	30	Pine	90.0	27.3	173.86	31.23	6.06	46.37	257.52
	31	Pine	94.0	27.6	189.46	34.78	6.60	50.17	281.00
	32	Pine	99.0	27.5	206.84	38.82	7.20	54.38	307.23
	33	Pine	116.0	27.3	271.41	54.57	9.43	69.77	405.18
	34	Pine	117.0	28.2	283.49	57.63	9.85	72.61	423.58
	35	Pine	90.0	27.4	174.42	31.35	6.08	46.51	258.36
	36	Pine	101.0	28.1	218.32	41.54	7.60	57.14	324.60
	37	Pine	127.0	29.0	335.51	71.17	11.64	84.75	503.07
	38	Pine	115.0	29.3	284.01	57.76	9.86	72.73	424.36
	39	Pine	110.0	29.0	260.72	51.89	9.06	67.24	388.91
	40	Pine	100.0	29.4	223.23	42.71	7.76	58.32	332.03
	41	Pine	118.0	30.4	306.92	63.66	10.66	78.10	459.33
	42	Pine	78.0	29.0	142.61	24.36	4.97	38.66	210.61
	43	Pine	109.0	28.6	253.47	50.08	8.81	65.53	377.89
	44	Pine	95.0	27.9	194.85	36.02	6.78	51.48	289.13
	45	Pine	77.0	27.7	133.92	22.52	4.67	36.49	197.60
	46	Pine	75.0	27.6	127.27	21.12	4.44	34.83	187.66
	47	Pine	82.0	27.3	147.66	25.45	5.15	39.91	218.17
	48	Pine	94.0	27.5	188.86	34.64	6.58	50.02	280.09
	49	Pine	110.0	27.4	248.05	48.75	8.62	64.24	369.67
	50	Pine	124.0	27.9	310.99	64.72	10.80	79.05	465.55
	51	Pine	73.0	28.3	124.27	20.50	4.34	34.07	183.18
	52	Pine	97.0	29.4	211.61	39.95	7.36	55.53	314.45
	53	Pine	88.0	30.4	183.42	33.39	6.39	48.70	271.90
	54	Pine	72.0	27.2	117.15	19.04	4.09	32.28	172.56
	55	Pine	137.0	31.4	410.94	91.76	14.24	102.08	619.02
	56	Pine	81.0	29.5	154.68	26.97	5.39	41.65	228.70
	57	Pine	80.0	27.4	141.85	24.20	4.95	38.47	209.47
	58	Pine	110.0	31.3	278.78	56.43	9.68	71.50	416.40

Table B.2-1. (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	59	Pine	117.0	29.6	295.36	60.67	10.26	75.40	441.69
	60	Pine	69.0	27.3	109.07	17.41	3.81	30.23	160.51
	61	Pine	97.0	27.5	199.24	37.04	6.93	52.54	295.76
	62	Pine	104.0	27.6	226.24	43.44	7.87	59.04	336.58
	63	Pine	75.0	27.0	125.03	20.66	4.36	34.27	184.33
	64	Pine	115.0	27.6	269.90	54.19	9.38	69.41	402.87
	65	Pine	109.0	27.5	244.89	47.97	8.51	63.49	364.87
	56	Pine	81.0	29.5	154.68	26.97	5.39	41.65	228.70
	57	Pine	80.0	27.4	141.85	24.20	4.95	38.47	209.47
	58	Pine	110.0	31.3	278.78	56.43	9.68	71.50	416.40
	59	Pine	117.0	29.6	295.36	60.67	10.26	75.40	441.69
	60	Pine	69.0	27.3	109.07	17.41	3.81	30.23	160.51
	61	Pine	97.0	27.5	199.24	37.04	6.93	52.54	295.76
	62	Pine	104.0	27.6	226.24	43.44	7.87	59.04	336.58
	63	Pine	75.0	27.0	125.03	20.66	4.36	34.27	184.33
	64	Pine	115.0	27.6	269.90	54.19	9.38	69.41	402.87
	65	Pine	109.0	27.5	244.89	47.97	8.51	63.49	364.87
	66	Pine	104.0	27.5	225.52	43.26	7.84	58.87	335.49
	67	Pine	132.0	28.6	354.69	76.31	12.30	89.18	532.48
	68	Pine	123.0	29.3	320.06	67.09	11.11	81.16	479.43
	69	Pine	89.0	28.8	178.68	32.32	6.22	47.55	264.76
	70	Pine	89.0	28.1	174.86	31.45	6.09	46.61	259.02
	71	Pine	103.0	30.3	241.42	47.12	8.39	62.66	359.60
	72	Pine	105.0	30.1	247.90	48.71	8.62	64.20	369.43
	73	Pine	114.0	30.4	289.31	59.11	10.05	73.98	432.45
	74	Pine	99.0	29.8	221.94	42.41	7.72	58.01	330.08
	75	Pine	88.0	28.4	173.03	31.04	6.03	46.17	256.27
	76	Pine	82.0	27.4	147.89	25.50	5.16	39.97	218.52
	77	Pine	88.0	27.3	167.14	29.72	5.82	44.72	247.41
	78	Pine	89.0	27.4	170.76	30.53	5.95	45.61	252.85
	79	Pine	104.0	27.8	227.68	43.78	7.92	59.38	338.76
	80	Pine	128.0	27.6	325.71	68.58	11.30	82.47	488.06
	81	Pine	97.0	27.1	197.01	36.52	6.86	52.00	292.40
	82	Pine	102.0	27.6	218.66	41.62	7.61	57.22	325.11
	83	Pine	121.0	27.8	296.97	61.08	10.31	75.77	444.14
		Mean	98.3	28.3	215.93	41.75	7.51	56.31	321.50
		S.D.	17.9	2.0	76.02	18.42	2.63	18.19	115.23
		C.V.	18.2	7.0	35.21	44.12	35.00	32.31	35.84
2	1	Pine	122.0	25.2	276.42	55.83	9.60	70.95	412.80
	2	Pine	81.0	27.0	143.12	24.47	4.99	38.79	211.37
	3	Pine	79.0	27.5	139.20	23.63	4.86	37.81	205.50
	4	Pine	100.0	29.2	221.90	42.39	7.72	58.00	330.01
	5	Pine	54.0	15.3	42.68	5.37	1.50	12.78	62.33
	6	Pine	115.0	28.4	276.75	55.92	9.61	71.03	413.31
	7	Pine	82.0	27.1	146.71	25.24	5.12	39.68	216.74
	8	Pine	66.0	27.2	100.56	15.72	3.51	28.06	147.85
	9	Pine	112.0	28.2	262.57	52.35	9.12	67.68	391.73
	10	Pine	133.0	28.4	357.21	76.99	12.39	89.76	536.35
	11	Pine	103.0	27.8	223.85	42.86	7.79	58.47	332.96
	12	Pine	90.0	27.0	172.18	30.85	6.00	45.96	254.99
	13	Pine	101.0	28.0	217.64	41.38	7.57	56.98	323.57
	14	Pine	101.0	28.1	218.32	41.54	7.60	57.14	324.60
	15	Pine	114.0	28.3	271.28	54.53	9.43	69.74	404.97
	16	Pine	88.0	29.0	176.24	31.76	6.14	46.95	261.09
	17	Pine	87.0	29.0	172.74	30.98	6.02	46.09	255.82
	18	Pine	94.0	29.5	200.86	37.42	6.99	52.93	298.20
	19	Pine	105.0	30.4	250.43	49.33	8.70	64.80	373.27
	20	Pine	103.0	30.1	240.02	46.78	8.35	62.33	357.47

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	21	Pine	115.0	30.0	290.39	59.39	10.08	74.23	434.09
	22	Pine	99.0	29.4	219.33	41.78	7.63	57.38	326.12
	23	Pine	109.0	29.3	258.90	51.43	9.00	66.81	386.15
	24	Pine	111.0	29.2	266.50	53.33	9.26	68.61	397.70
	25	Pine	102.0	28.0	221.44	42.28	7.70	57.89	329.31
	26	Pine	80.0	27.8	143.66	24.59	5.01	38.92	212.19
	27	Pine	72.0	27.5	118.28	19.27	4.13	32.56	174.25
	28	Pine	95.0	28.0	195.46	36.16	6.80	51.63	290.06
	29	Pine	90.0	27.8	176.65	31.86	6.15	47.05	261.72
	30	Pine	104.0	28.2	230.55	44.48	8.02	60.07	343.11
	31	Pine	55.0	29.5	78.41	11.51	2.74	22.33	115.00
	32	Pine	98.0	28.5	209.65	39.48	7.30	55.06	311.49
	33	Pine	104.0	29.2	237.71	46.21	8.27	61.78	353.97
	34	Pine	71.0	25.3	107.27	17.05	3.75	29.77	157.84
	35	Pine	131.0	30.0	364.97	79.09	12.66	91.55	548.27
	36	Pine	130.0	30.0	360.10	77.77	12.49	90.43	540.79
	37	Pine	94.0	29.3	199.66	37.14	6.95	52.64	296.39
	38	Pine	88.0	29.0	176.24	31.76	6.14	46.95	261.09
	39	Pine	147.0	35.0	511.49	120.72	17.70	124.78	774.70
	40	Pine	112.0	30.0	277.22	56.03	9.63	71.14	414.03
	41	Pine	92.0	27.0	178.96	32.38	6.23	47.61	265.18
	42	Pine	103.0	27.9	224.56	43.03	7.81	58.64	334.03
	43	Pine	110.0	28.0	252.81	49.92	8.79	65.37	376.90
	44	Pine	97.0	27.8	201.47	37.56	7.01	53.08	299.13
	45	Pine	83.0	27.9	153.74	26.77	5.36	41.42	227.28
	46	Pine	113.0	30.5	285.70	58.19	9.92	73.13	426.94
	47	Pine	115.0	30.5	294.63	60.48	10.23	75.23	440.56
	48	Pine	70.0	28.0	114.37	18.48	3.99	31.58	168.41
	49	Pine	134.0	30.2	381.99	83.74	13.24	95.46	574.43
	50	Pine	111.0	27.8	255.25	50.53	8.87	65.95	380.60
	51	Pine	72.0	26.2	113.36	18.27	3.96	31.32	166.91
	52	Pine	117.0	30.5	303.68	62.82	10.54	77.34	454.38
	53	Pine	118.0	30.5	308.25	64.00	10.70	78.41	461.36
	54	Pine	104.0	28.1	229.83	44.30	7.99	59.90	342.03
	55	Pine	90.0	28.2	178.88	32.36	6.23	47.59	265.07
	56	Pine	130.0	28.5	344.25	73.50	11.94	86.77	516.47
	57	Pine	130.0	28.5	344.25	73.50	11.94	86.77	516.47
	58	Pine	147.0	29.5	440.24	100.04	15.25	108.73	664.26
	59	Pine	132.0	29.0	359.04	77.48	12.45	90.19	539.16
	60	Pine	132.0	28.0	348.15	74.55	12.08	87.67	522.45
	61	Pine	135.0	28.5	367.82	79.86	12.76	92.21	552.65
	62	Pine	134.0	30.2	381.99	83.74	13.24	95.46	574.43
	63	Pine	122.0	30.2	324.00	68.13	11.25	82.08	485.45
	64	Pine	131.0	30.0	364.97	79.09	12.66	91.55	548.27
	65	Pine	130.0	30.0	360.10	77.77	12.49	90.43	540.79
	66	Pine	113.0	28.0	265.04	52.97	9.21	68.27	395.48
	67	Pine	121.0	28.5	303.52	62.77	10.54	77.31	454.14
	68	Pine	118.0	28.5	290.44	59.40	10.09	74.24	434.17
	69	Pine	115.0	28.5	277.61	56.13	9.64	71.23	414.61
	70	Pine	150.0	30.0	462.90	106.53	16.03	113.86	699.33
	71	Pine	135.0	28.5	367.82	79.86	12.76	92.21	552.65
	72	Pine	148.0	29.5	445.51	101.54	15.43	109.93	672.41
	73	Pine	135.0	29.5	379.12	82.95	13.15	94.80	570.02
	74	Pine	132.0	29.0	359.04	77.48	12.45	90.19	539.16
	75	Pine	112.0	28.0	260.94	51.94	9.07	67.30	389.24
	76	Pine	115.0	28.0	273.33	55.05	9.50	70.22	408.09
		Mean	107.7	28.5	257.26	52.16	8.94	66.07	384.42
		S.D.	22.1	2.1	95.53	23.73	3.30	22.70	145.21
		C.V.	20.6	7.2	37.13	45.49	36.94	34.36	37.77

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
3	1	Pine	119.0	29.5	303.83	62.85	10.55	77.38	454.61
	2	Pine	79.0	26.2	133.40	22.41	4.65	36.37	196.83
	3	Pine	91.0	26.5	172.70	30.97	6.02	46.08	255.77
	4	Pine	135.0	30.5	390.38	86.05	13.53	97.38	587.34
	5	Pine	94.0	28.3	193.67	35.75	6.74	51.19	287.35
	6	Pine	115.0	29.1	282.73	57.43	9.82	72.43	422.41
	7	Pine	29.0	28.5	24.74	2.71	0.87	7.75	36.08
	8	Pine	89.0	28.8	178.68	32.32	6.22	47.55	264.76
	9	Pine	93.0	29.0	194.19	35.87	6.76	51.32	288.13
	10	Pine	122.0	29.2	314.57	65.65	10.92	79.88	471.02
	11	Pine	97.0	28.7	207.18	38.90	7.21	54.46	307.75
	12	Pine	105.0	29.0	240.28	46.84	8.35	62.39	357.87
	13	Pine	88.0	27.0	165.53	29.36	5.77	44.32	244.98
	14	Pine	99.0	27.5	206.84	38.82	7.20	54.38	307.23
	15	Pine	61.0	29.0	92.64	14.19	3.24	26.03	136.09
	16	Pine	87.0	28.4	169.60	30.27	5.91	45.32	251.10
	17	Pine	113.0	25.5	244.16	47.79	8.49	63.31	363.75
	18	Pine	148.0	30.0	452.13	103.43	15.66	111.43	682.65
	19	Pine	75.0	26.8	124.22	20.49	4.34	34.06	183.11
	20	Pine	105.0	29.3	242.10	47.29	8.42	62.82	360.62
	21	Pine	105.0	29.0	240.28	46.84	8.35	62.39	357.87
	22	Pine	115.0	29.3	284.43	57.87	9.88	72.83	425.01
	23	Pine	79.0	28.5	143.63	24.58	5.01	38.91	212.13
	24	Pine	89.0	28.5	177.04	31.95	6.17	47.15	262.30
	25	Pine	93.0	29.0	194.19	35.87	6.76	51.32	288.13
	26	Pine	122.0	29.2	314.57	65.65	10.92	79.88	471.02
	27	Pine	97.0	28.5	205.91	38.60	7.17	54.15	305.84
	28	Pine	105.0	29.0	240.28	46.84	8.35	62.39	357.87
	29	Pine	88.0	28.0	170.89	30.56	5.95	45.64	253.05
	30	Pine	99.0	28.5	213.42	40.38	7.43	55.96	317.19
	31	Pine	87.0	28.4	169.60	30.27	5.91	45.32	251.10
	32	Pine	113.0	25.5	244.16	47.79	8.49	63.31	363.75
	33	Pine	148.0	30.0	452.13	103.43	15.66	111.43	682.65
	34	Pine	75.0	26.8	124.22	20.49	4.34	34.06	183.11
	35	Pine	105.0	29.3	242.10	47.29	8.42	62.82	360.62
	36	Pine	105.0	29.0	240.28	46.84	8.35	62.39	357.87
	37	Pine	130.0	29.1	350.60	75.21	12.16	88.24	526.21
	38	Pine	79.0	28.4	143.19	24.49	4.99	38.80	211.47
	39	Pine	96.0	28.3	200.96	37.44	6.99	52.96	298.35
	40	Pine	84.0	28.0	157.50	27.59	5.49	42.35	232.92
	41	Pine	83.0	28.6	157.12	27.51	5.48	42.25	232.35
	42	Pine	96.0	28.5	202.20	37.73	7.04	53.26	300.23
	43	Pine	100.0	28.7	218.56	41.60	7.60	57.20	324.96
	44	Pine	74.0	25.0	114.15	18.43	3.99	31.52	168.09
	45	Pine	104.0	30.4	246.26	48.31	8.56	63.81	366.94
	46	Pine	90.0	26.5	169.38	30.22	5.90	45.27	250.78
	47	Pine	121.0	30.5	322.14	67.64	11.18	81.64	482.60
	48	Pine	94.0	29.3	199.66	37.14	6.95	52.64	296.39
	49	Pine	109.0	30.5	268.18	53.75	9.32	69.01	400.27
	50	Pine	98.0	29.0	212.88	40.25	7.41	55.83	316.36
	51	Pine	99.0	32.1	236.91	46.02	8.24	61.59	352.75
	52	Pine	120.0	32.3	333.86	70.73	11.59	84.37	500.55
	53	Pine	127.0	29.8	343.62	73.33	11.92	86.63	515.50
	54	Pine	103.0	29.5	235.82	45.75	8.20	61.33	351.10
	55	Pine	85.0	28.5	163.32	28.87	5.69	43.78	241.66
	56	Pine	90.0	28.5	180.55	32.74	6.29	48.00	267.58
	57	Pine	101.0	29.3	226.48	43.50	7.88	59.10	336.95
	58	Pine	101.0	29.0	224.45	43.01	7.81	58.61	333.87

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	59	Pine	88.0	28.3	172.50	30.92	6.01	46.03	255.46
	60	Pine	74.0	26.4	119.74	19.57	4.18	32.93	176.42
	61	Pine	143.0	28.6	408.18	90.99	14.15	101.45	614.77
	62	Pine	129.0	30.6	361.48	78.14	12.54	90.75	542.91
	63	Pine	137.0	31.5	412.09	92.09	14.28	102.34	620.79
	64	Pine	101.0	29.4	227.16	43.66	7.90	59.26	337.98
	65	Pine	140.0	32.5	439.96	99.96	15.24	108.67	663.82
	66	Pine	92.0	30.0	196.29	36.36	6.83	51.83	291.31
	67	Pine	92.0	29.5	193.42	35.69	6.73	51.13	286.97
	68	Pine	78.0	28.3	139.59	23.72	4.87	37.91	206.08
	69	Pine	101.0	28.8	223.09	42.68	7.76	58.28	331.81
	70	Pine	109.0	30.0	264.32	52.79	9.18	68.10	394.39
	71	Pine	92.0	28.0	184.76	33.70	6.43	49.03	273.92
	72	Pine	89.0	29.5	182.48	33.18	6.35	48.47	270.49
	73	Pine	102.0	30.5	238.70	46.45	8.30	62.01	355.46
	74	Pine	96.0	30.0	211.51	39.92	7.36	55.50	314.30
	75	Pine	158.0	35.0	580.55	141.49	20.08	140.15	882.27
	76	Pine	80.0	27.8	143.66	24.59	5.01	38.92	212.19
	77	Pine	111.0	30.5	276.88	55.95	9.62	71.06	413.50
	78	Pine	97.0	28.4	205.28	38.45	7.14	54.00	304.88
	79	Pine	95.0	28.5	198.52	36.87	6.91	52.37	294.67
	80	Pine	133.0	28.5	358.31	77.29	12.43	90.02	538.05
	81	Pine	126.0	28.0	320.85	67.30	11.14	81.35	480.64
	82	Pine	74.0	28.0	126.08	20.88	4.40	34.53	185.89
	83	Pine	100.0	28.5	217.22	41.28	7.56	56.88	322.93
	84	Pine	117.0	29.0	290.53	59.43	10.09	74.27	434.32
		Mean	101.3	28.9	233.23	46.18	8.11	60.37	347.89
		S.D.	21.0	1.5	92.18	23.21	3.18	21.82	140.33
		C.V.	20.7	5.3	39.52	50.27	39.28	36.14	40.34
4	1	Pine	108.0	32.5	279.01	56.49	9.69	71.56	416.74
	2	Pine	88.0	31.0	186.86	34.18	6.51	49.54	277.08
	3	Pine	115.0	32.5	311.52	64.85	10.81	79.17	466.35
	4	Pine	93.0	32.0	211.71	39.97	7.37	55.55	314.59
	5	Pine	99.0	31.0	229.77	44.29	7.99	59.88	341.93
	6	Pine	96.0	30.5	214.60	40.66	7.47	56.25	318.97
	7	Pine	82.0	28.0	150.97	26.17	5.26	40.74	223.14
	8	Pine	128.0	32.5	375.93	82.08	13.04	94.07	565.11
	9	Pine	97.0	30.2	216.65	41.14	7.54	56.74	322.07
	10	Pine	76.0	31.0	144.47	24.76	5.04	39.12	213.39
	11	Pine	75.0	31.5	143.15	24.48	4.99	38.79	211.41
	12	Pine	106.0	30.2	253.16	50.01	8.80	65.45	377.42
	13	Pine	81.0	32.6	168.86	30.11	5.88	45.14	249.99
	14	Pine	113.0	30.2	283.23	57.56	9.84	72.55	423.18
	15	Pine	83.0	30.2	164.80	29.20	5.74	44.15	243.90
	16	Pine	82.0	30.2	161.33	28.43	5.62	43.29	238.69
	17	Pine	95.0	30.2	208.88	39.30	7.27	54.87	310.31
	18	Pine	79.0	32.3	160.30	28.21	5.59	43.04	237.13
	19	Pine	104.0	32.5	261.12	51.99	9.07	67.34	389.53
	20	Pine	84.0	32.0	177.07	31.95	6.17	47.15	262.35
	21	Pine	104.0	31.5	254.06	50.23	8.83	65.67	378.79
	22	Pine	94.0	30.0	203.84	38.12	7.09	53.65	302.71
	23	Pine	72.0	28.0	120.16	19.66	4.20	33.04	177.06
	24	Pine	131.0	30.2	367.11	79.67	12.73	92.04	551.55
	25	Pine	98.0	29.0	212.88	40.25	7.41	55.83	316.36
	26	Pine	119.0	30.0	308.34	64.03	10.70	78.43	461.51
	27	Pine	94.0	32.0	215.72	40.92	7.50	56.51	320.66
	28	Pine	65.0	30.5	108.25	17.25	3.78	30.02	159.29
	29	Pine	97.0	30.2	216.65	41.14	7.54	56.74	322.07

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	30	Pine	91.0	32.0	203.78	38.10	7.09	53.64	302.62
	31	Pine	100.0	30.2	228.55	43.99	7.95	59.59	340.09
	32	Pine	96.0	32.5	226.90	43.60	7.89	59.20	337.59
	33	Pine	121.0	30.2	319.35	66.90	11.08	81.00	478.34
	34	Pine	119.0	30.5	312.85	65.20	10.86	79.48	468.39
	35	Pine	128.0	30.2	352.48	75.71	12.23	88.67	529.09
	36	Pine	103.0	31.7	251.18	49.52	8.73	64.98	374.41
	37	Pine	114.0	32.6	307.61	63.83	10.68	78.26	460.38
	38	Pine	97.0	30.8	220.43	42.04	7.67	57.65	327.78
	39	Pine	98.0	31.2	226.99	43.62	7.89	59.22	337.71
	40	Pine	78.0	30.0	146.92	25.29	5.12	39.73	217.06
	41	Pine	122.0	32.0	340.88	72.60	11.83	85.99	511.31
	42	Pine	95.0	32.0	219.76	41.88	7.64	57.49	326.78
	43	Pine	117.0	32.5	321.09	67.36	11.14	81.40	480.99
	44	Pine	103.0	32.5	256.73	50.89	8.92	66.30	382.85
	45	Pine	79.0	31.5	156.81	27.44	5.47	42.18	231.90
	46	Pine	81.0	32.0	166.13	29.50	5.79	44.47	245.88
	47	Pine	103.0	32.0	253.27	50.03	8.80	65.48	377.58
	48	Pine	102.0	32.5	252.38	49.81	8.77	65.27	376.23
	49	Pine	93.0	32.5	214.61	40.66	7.47	56.25	318.98
	50	Pine	135.0	30.2	387.01	85.12	13.42	96.61	582.15
	51	Pine	79.0	27.5	139.20	23.63	4.86	37.81	205.50
	52	Pine	111.0	31.5	284.83	57.97	9.89	72.93	425.62
	53	Pine	90.0	29.0	183.33	33.37	6.38	48.68	271.76
	54	Pine	88.0	30.0	181.56	32.97	6.32	48.25	269.10
	55	Pine	145.0	30.0	436.17	98.88	15.11	107.81	657.97
	56	Pine	71.0	30.0	124.57	20.56	4.35	34.15	183.63
	57	Pine	79.0	31.0	154.63	26.96	5.39	41.64	228.62
	58	Pine	100.0	30.1	227.89	43.83	7.93	59.43	339.08
	59	Pine	85.0	32.7	184.26	33.59	6.42	48.91	273.16
	60	Pine	93.0	32.0	211.71	39.97	7.37	55.55	314.59
	61	Pine	97.0	30.5	218.54	41.59	7.60	57.19	324.93
	62	Pine	78.0	30.2	147.78	25.47	5.15	39.94	218.35
	63	Pine	86.0	31.5	182.01	33.07	6.34	48.36	269.78
	64	Pine	118.0	31.0	312.68	65.16	10.85	79.44	468.13
	65	Pine	105.0	30.1	248.26	48.80	8.63	64.29	369.98
	66	Pine	79.0	31.5	156.81	27.44	5.47	42.18	231.90
	67	Pine	87.0	30.8	182.11	33.10	6.34	48.38	269.93
	68	Pine	94.0	31.5	212.76	40.22	7.40	55.80	316.18
	69	Pine	91.0	32.0	203.78	38.10	7.09	53.64	302.62
	70	Pine	113.0	32.5	302.07	62.40	10.49	76.97	451.92
	71	Pine	103.0	32.5	256.73	50.89	8.92	66.30	382.85
	72	Pine	68.0	30.1	115.82	18.77	4.04	31.94	170.57
	73	Pine	100.0	30.1	227.89	43.83	7.93	59.43	339.08
	74	Pine	106.0	30.2	253.16	50.01	8.80	65.45	377.42
	75	Pine	81.0	31.5	163.85	28.99	5.71	43.91	242.46
	76	Pine	125.0	28.0	316.40	66.13	10.98	80.31	473.82
	77	Pine	127.0	28.5	330.43	69.82	11.47	83.57	495.29
	78	Pine	118.0	28.0	285.96	58.26	9.93	73.19	427.35
	79	Pine	114.0	28.0	269.17	54.00	9.35	69.24	401.76
	80	Pine	135.0	29.0	373.48	81.41	12.95	93.51	561.35
	81	Pine	115.0	28.0	273.33	55.05	9.50	70.22	408.09
	82	Pine	101.0	28.0	217.64	41.38	7.57	56.98	323.57
	83	Pine	112.0	28.5	265.02	52.96	9.21	68.26	395.45
		Mean	99.1	30.7	232.77	45.65	8.09	60.40	346.91
		S.D.	17.3	1.4	70.33	17.28	2.43	16.75	106.76
		C.V.	17.5	4.6	30.21	37.85	30.04	27.73	30.78

Table A-2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
5	1	Pine	121.0	27.5	294.16	60.36	10.22	75.12	439.84
	2	Pine	117.0	29.2	292.29	59.88	10.15	74.68	437.00
	3	Pine	78.0	27.3	135.25	22.80	4.72	36.83	199.59
	4	Pine	107.0	27.5	237.06	46.06	8.24	61.62	352.98
	5	Pine	104.0	27.5	225.52	43.26	7.84	58.87	335.49
	6	Pine	130.0	30.5	365.36	79.19	12.67	91.64	548.87
	7	Pine	125.0	31.0	345.96	73.96	12.00	87.17	519.09
	8	Pine	117.0	28.5	286.13	58.30	9.94	73.23	427.61
	9	Pine	140.0	30.0	410.11	91.53	14.21	101.89	617.75
	10	Pine	160.0	32.0	548.63	131.81	18.98	133.06	832.48
	11	Pine	136.0	28.0	366.88	79.61	12.72	91.99	551.20
	12	Pine	157.0	28.0	472.02	109.17	16.35	115.92	713.45
	13	Pine	110.0	30.5	272.52	54.85	9.47	70.03	406.86
	14	Pine	145.0	32.0	461.58	106.15	15.99	113.56	697.28
	15	Pine	130.0	30.5	365.36	79.19	12.67	91.64	548.87
	16	Pine	83.0	27.0	149.38	25.82	5.21	40.34	220.74
	17	Pine	115.0	27.5	269.04	53.97	9.35	69.21	401.57
	18	Pine	118.0	27.8	284.17	57.80	9.87	72.77	424.61
	19	Pine	146.0	27.8	412.92	92.32	14.31	102.53	622.08
	20	Pine	128.0	28.0	329.85	69.67	11.45	83.44	494.40
	21	Pine	146.0	32.0	467.18	107.77	16.18	114.82	705.95
	22	Pine	107.0	30.0	255.87	50.68	8.89	66.10	381.54
	23	Pine	138.0	32.0	423.19	95.20	14.66	104.87	637.92
	24	Pine	130.0	30.5	365.36	79.19	12.67	91.64	548.87
	25	Pine	131.0	29.0	354.28	76.20	12.29	89.09	531.85
	26	Pine	104.0	29.0	236.28	45.87	8.22	61.44	351.80
	27	Pine	109.0	27.0	240.98	47.01	8.38	62.56	358.93
	28	Pine	73.0	28.0	123.11	20.26	4.30	33.78	181.45
	29	Pine	142.0	24.5	351.99	75.58	12.21	88.56	528.35
	30	Pine	133.0	37.3	453.74	103.90	15.72	111.79	685.15
	31	Pine	148.0	35.5	524.10	124.46	18.14	127.60	794.30
	32	Pine	145.0	12.5	202.31	37.76	7.04	53.28	300.39
	33	Pine	85.0	35.0	195.58	36.19	6.81	51.66	290.24
	34	Pine	126.0	34.0	380.45	83.32	13.19	95.11	572.07
	35	Pine	135.0	35.0	440.49	100.11	15.26	108.79	664.64
	36	Pine	140.0	34.5	463.63	106.74	16.06	114.02	700.45
	37	Pine	142.0	33.4	461.99	106.27	16.00	113.65	697.91
	38	Pine	140.0	30.0	410.11	91.53	14.21	101.89	617.75
	39	Pine	120.0	32.0	331.14	70.01	11.49	83.74	496.38
	40	Pine	147.0	32.0	472.81	109.40	16.37	116.09	714.67
	41	Pine	132.0	33.5	407.48	90.80	14.12	101.29	613.70
	42	Pine	146.0	30.5	447.91	102.22	15.52	110.47	676.12
	43	Pine	122.0	32.5	345.55	73.85	11.99	87.07	518.47
	44	Pine	150.0	31.0	476.42	110.44	16.50	116.91	720.26
	45	Pine	130.0	22.0	274.30	55.30	9.53	70.45	409.57
	46	Pine	135.0	32.5	412.75	92.27	14.30	102.49	621.82
	47	Pine	142.0	32.0	444.95	101.38	15.41	109.80	671.55
	48	Pine	155.0	32.0	518.89	122.92	17.96	126.43	786.20
	49	Pine	148.0	32.0	478.47	111.04	16.57	117.37	723.45
	50	Pine	135.0	31.0	395.99	87.60	13.73	98.67	595.98
	51	Pine	129.0	30.0	355.25	76.46	12.32	89.31	533.35
	52	Pine	132.0	30.0	369.88	80.42	12.83	92.68	555.81
	53	Pine	135.0	30.0	384.76	84.50	13.34	96.09	578.69
	54	Pine	128.0	29.0	340.16	72.41	11.80	85.83	510.20
	55	Pine	132.0	29.0	359.04	77.48	12.45	90.19	539.16
	56	Pine	125.0	29.0	326.29	68.73	11.32	82.61	488.96
	57	Pine	128.0	29.0	340.16	72.41	11.80	85.83	510.20
	58	Pine	131.0	29.5	359.63	77.64	12.47	90.32	540.07

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	59	Pine	130.0	29.0	349.54	74.92	12.13	88.00	524.59
	60	Pine	127.0	28.0	325.34	68.48	11.29	82.39	487.50
	61	Pine	125.0	28.0	316.40	66.13	10.98	80.31	473.82
	62	Pine	134.0	28.0	357.46	77.05	12.40	89.82	536.74
		Mean	128.4	29.8	355.89	77.54	12.34	89.20	534.98
		S.D.	18.2	3.5	95.76	25.36	3.30	22.25	146.65
		C.V.	14.1	11.7	26.91	32.71	26.77	24.95	27.41
6	1	Pine	127.0	30.5	350.69	75.23	12.17	88.26	526.35
	2	Pine	176.0	32.4	655.62	164.78	22.66	156.69	999.75
	3	Pine	94.0	31.0	209.79	39.52	7.30	55.09	311.70
	4	Pine	110.0	30.6	273.30	55.04	9.49	70.21	408.05
	5	Pine	110.0	25.5	232.90	45.04	8.10	60.63	346.67
	6	Pine	115.0	28.5	277.61	56.13	9.64	71.23	414.61
	7	Pine	116.0	28.5	281.86	57.21	9.79	72.23	421.09
	8	Pine	85.0	27.5	158.28	27.76	5.52	42.54	234.10
	9	Pine	136.0	29.5	384.07	84.31	13.32	95.94	577.63
	10	Pine	130.0	30.0	360.10	77.77	12.49	90.43	540.79
	11	Pine	97.0	28.0	202.74	37.86	7.06	53.39	301.05
	12	Pine	139.0	32.5	434.46	98.39	15.05	107.42	655.32
	13	Pine	83.0	30.0	163.84	28.99	5.71	43.91	242.46
	14	Pine	132.0	31.5	386.06	84.86	13.38	96.39	580.69
	15	Pine	106.0	28.5	240.61	46.92	8.37	62.47	358.37
	16	Pine	108.0	28.5	248.63	48.89	8.64	64.38	370.55
	17	Pine	127.0	29.5	340.58	72.52	11.82	85.92	510.85
	18	Pine	114.0	28.5	273.38	55.06	9.50	70.23	408.18
	19	Pine	105.0	20.5	177.23	31.99	6.17	47.19	262.58
	20	Pine	87.0	30.5	180.55	32.74	6.29	48.00	267.59
	21	Pine	116.0	30.0	294.83	60.53	10.24	75.27	440.87
	22	Pine	113.0	29.0	273.33	55.05	9.50	70.22	408.09
	23	Pine	123.0	30.5	331.54	70.12	11.51	83.83	496.99
	24	Pine	146.0	33.0	479.97	111.47	16.62	117.70	725.77
	25	Pine	125.0	30.5	341.06	72.65	11.83	86.03	511.57
	26	Pine	122.0	29.0	312.67	65.16	10.85	79.44	468.13
	27	Pine	112.0	28.5	265.02	52.96	9.21	68.26	395.45
	28	Pine	79.0	27.5	139.20	23.63	4.86	37.81	205.50
	29	Pine	98.0	28.0	206.42	38.72	7.18	54.28	306.61
	30	Pine	157.0	30.5	508.81	119.93	17.61	124.18	770.53
	31	Pine	100.0	28.0	213.87	40.48	7.44	56.07	317.87
	32	Pine	88.0	27.8	169.82	30.32	5.92	45.38	251.44
	33	Pine	88.0	28.0	170.89	30.56	5.95	45.64	253.05
	34	Pine	131.0	29.0	354.28	76.20	12.29	89.09	531.85
	35	Pine	134.0	32.5	407.40	90.78	14.12	101.27	613.57
	36	Pine	125.0	31.5	350.85	75.27	12.17	88.30	526.59
	37	Pine	136.0	32.0	412.48	92.20	14.30	102.43	621.41
	38	Pine	87.0	29.0	172.74	30.98	6.02	46.09	255.82
	39	Pine	100.0	29.0	220.56	42.08	7.67	57.68	327.99
	40	Pine	133.0	30.0	374.81	81.77	13.00	93.81	563.39
	41	Pine	95.0	29.5	204.62	38.30	7.12	53.84	303.88
	42	Pine	115.0	29.5	286.13	58.30	9.94	73.23	427.61
	43	Pine	128.0	30.0	350.43	75.16	12.16	88.20	525.95
	44	Pine	110.0	28.5	256.77	50.90	8.92	66.31	382.91
6	45	Pine	118.0	28.5	290.44	59.40	10.09	74.24	434.17
	46	Pine	140.0	29.0	398.09	88.18	13.80	99.15	599.22
	47	Pine	130.0	29.0	349.54	74.92	12.13	88.00	524.59
	48	Pine	139.0	30.0	404.99	90.10	14.04	100.72	609.85
	49	Pine	108.0	28.0	244.80	47.95	8.51	63.47	364.73
	50	Pine	127.0	28.0	325.34	68.48	11.29	82.39	487.50
	51	Pine	114.0	28.0	269.17	54.00	9.35	69.24	401.76

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	52	Pine	101.0	20.0	162.00	28.58	5.65	43.46	239.69
	53	Pine	94.0	22.0	155.27	27.10	5.41	41.80	229.59
	54	Pine	113.0	28.0	265.04	52.97	9.21	68.27	395.48
	55	Pine	123.0	28.0	307.57	63.82	10.68	78.25	460.32
	56	Pine	149.0	30.0	457.50	104.98	15.85	112.64	690.96
	57	Pine	119.0	28.0	290.23	59.35	10.08	74.19	433.85
	58	Pine	115.0	27.0	264.74	52.89	9.20	68.19	395.03
	59	Pine	116.0	28.0	277.51	56.11	9.64	71.21	414.47
	60	Pine	120.0	28.0	294.52	60.45	10.23	75.20	440.40
	61	Pine	131.0	29.0	354.28	76.20	12.29	89.09	531.85
	62	Pine	135.0	29.0	373.48	81.41	12.95	93.51	561.35
	63	Pine	127.0	29.0	335.51	71.17	11.64	84.75	503.07
	64	Pine	136.0	29.0	378.35	82.74	13.12	94.63	568.83
	65	Pine	134.0	29.0	368.64	80.09	12.78	92.40	553.90
	66	Pine	115.0	29.0	281.87	57.22	9.79	72.23	421.11
	67	Pine	115.0	28.5	277.61	56.13	9.64	71.23	414.61
	68	Pine	127.0	29.5	340.58	72.52	11.82	85.92	510.85
	69	Pine	127.0	29.5	340.58	72.52	11.82	85.92	510.85
	70	Pine	115.0	29.0	281.87	57.22	9.79	72.23	421.11
	71	Pine	117.0	29.0	290.53	59.43	10.09	74.27	434.32
	72	Pine	128.0	29.0	340.16	72.41	11.80	85.83	510.20
	73	Pine	136.0	29.0	378.35	82.74	13.12	94.63	568.83
	74	Pine	129.0	29.0	344.84	73.66	11.96	86.91	517.37
	75	Pine	137.0	29.0	383.24	84.08	13.29	95.75	576.36
		Mean	118.6	28.9	303.43	63.64	10.53	77.02	454.63
		S.D.	18.1	2.1	92.26	24.32	3.18	21.48	141.20
		C.V.	15.3	7.4	30.41	38.21	30.23	27.89	31.06
7	1	Pine	119.0	28.0	290.23	59.35	10.08	74.19	433.85
	2	Pine	115.0	29.5	286.13	58.30	9.94	73.23	427.61
	3	Pine	115.0	30.0	290.39	59.39	10.08	74.23	434.09
	4	Pine	103.0	29.5	235.82	45.75	8.20	61.33	351.10
	5	Pine	94.0	27.5	188.86	34.64	6.58	50.02	280.09
	6	Pine	88.0	27.5	168.21	29.96	5.86	44.98	249.02
	7	Pine	66.0	25.5	95.02	14.65	3.32	26.64	139.63
	8	Pine	122.0	29.5	317.40	66.39	11.02	80.54	475.35
	9	Pine	80.0	25.3	132.26	22.17	4.61	36.08	195.13
	10	Pine	100.0	30.0	227.22	43.67	7.90	59.27	338.07
	11	Pine	108.0	31.0	267.67	53.63	9.30	68.89	399.49
	12	Pine	81.0	29.5	154.68	26.97	5.39	41.65	228.70
	13	Pine	96.0	30.0	211.51	39.92	7.36	55.50	314.30
	14	Pine	122.0	31.5	336.21	71.36	11.67	84.91	504.14
	15	Pine	101.0	31.0	237.97	46.28	8.27	61.84	354.37
	16	Pine	134.0	31.5	396.38	87.71	13.74	98.75	596.59
	17	Pine	98.0	30.0	219.31	41.78	7.63	57.38	326.09
	18	Pine	94.0	29.3	199.66	37.14	6.95	52.64	296.39
	19	Pine	71.0	26.5	111.72	17.94	3.90	30.90	164.47
	20	Pine	100.0	29.3	222.56	42.55	7.74	58.16	331.02
	21	Pine	104.0	30.5	246.97	48.48	8.59	63.98	368.02
	22	Pine	91.0	29.0	186.92	34.19	6.51	49.55	277.17
	23	Pine	115.0	30.5	294.63	60.48	10.23	75.23	440.56
	24	Pine	134.0	32.0	401.90	89.24	13.93	100.01	605.08
	25	Pine	111.0	31.0	280.86	56.96	9.76	71.99	419.57
	26	Pine	147.0	32.4	477.99	110.90	16.55	117.26	722.71
	27	Pine	104.0	29.3	238.42	46.39	8.29	61.95	355.05
	28	Pine	115.0	30.5	294.63	60.48	10.23	75.23	440.56
	29	Pine	88.0	29.5	178.90	32.37	6.23	47.60	265.10
	30	Pine	125.0	30.5	341.06	72.65	11.83	86.03	511.57
	31	Pine	93.0	29.5	197.12	36.55	6.86	52.03	292.56

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	32	Pine	142.0	31.2	435.17	98.60	15.08	107.59	656.43
	33	Pine	84.0	29.0	162.42	28.67	5.66	43.56	240.32
	34	Pine	114.0	30.5	290.15	59.33	10.08	74.18	433.73
	35	Pine	94.0	29.5	200.86	37.42	6.99	52.93	298.20
	36	Pine	127.0	30.5	350.69	75.23	12.17	88.26	526.35
	37	Pine	142.0	31.5	438.84	99.64	15.20	108.42	662.11
	38	Pine	114.0	29.5	281.78	57.19	9.79	72.21	420.97
	39	Pine	91.0	28.5	184.09	33.55	6.41	48.86	272.91
	40	Pine	121.0	30.5	322.14	67.64	11.18	81.64	482.60
	41	Pine	108.0	30.5	263.88	52.68	9.17	67.99	393.72
	42	Pine	122.0	30.0	322.12	67.63	11.18	81.64	482.57
	43	Pine	112.0	30.2	278.84	56.45	9.69	71.52	416.50
	44	Pine	119.0	30.5	312.85	65.20	10.86	79.48	468.39
	45	Pine	79.0	20.5	107.57	17.11	3.76	29.85	158.28
	46	Pine	98.0	29.0	212.88	40.25	7.41	55.83	316.36
	47	Pine	95.0	28.5	198.52	36.87	6.91	52.37	294.67
	48	Pine	79.0	28.0	141.41	24.11	4.93	38.36	208.82
	49	Pine	126.0	30.5	345.86	73.93	12.00	87.14	518.94
	50	Pine	87.0	27.5	164.87	29.22	5.75	44.16	244.00
	51	Pine	126.0	29.6	336.89	71.54	11.69	85.07	505.18
	52	Pine	98.0	25.5	190.16	34.94	6.62	50.34	282.06
	53	Pine	134.0	30.5	385.32	84.65	13.36	96.22	579.55
	54	Pine	106.0	28.0	236.90	46.02	8.24	61.59	352.74
	55	Pine	133.0	29.0	363.82	78.78	12.62	91.29	546.51
	56	Pine	133.0	30.0	374.81	81.77	13.00	93.81	563.39
	57	Pine	93.0	29.5	197.12	36.55	6.86	52.03	292.56
	58	Pine	92.0	28.7	188.81	34.63	6.57	50.01	280.02
	59	Pine	91.0	28.5	184.09	33.55	6.41	48.86	272.91
	60	Pine	105.0	28.0	232.99	45.07	8.10	60.65	346.82
	61	Pine	119.0	29.5	303.83	62.85	10.55	77.38	454.61
	62	Pine	109.0	29.5	260.45	51.82	9.05	67.18	388.50
	63	Pine	120.0	28.0	294.52	60.45	10.23	75.20	440.40
	64	Pine	116.0	29.0	286.19	58.32	9.94	73.25	427.69
	65	Pine	105.0	29.0	240.28	46.84	8.35	62.39	357.87
	66	Pine	100.0	27.5	210.52	39.69	7.33	55.26	312.80
	67	Pine	115.0	30.0	290.39	59.39	10.08	74.23	434.09
	68	Pine	133.0	30.0	374.81	81.77	13.00	93.81	563.39
	69	Pine	111.0	30.0	272.89	54.94	9.48	70.12	407.43
	70	Pine	147.0	32.0	472.81	109.40	16.37	116.09	714.67
	71	Pine	115.0	31.0	298.86	61.57	10.38	76.22	447.03
	72	Pine	126.0	30.0	340.88	72.60	11.83	85.99	511.30
	73	Pine	144.0	31.0	443.48	100.96	15.36	109.47	669.27
	74	Pine	112.0	30.0	277.22	56.03	9.63	71.14	414.03
	75	Pine	125.0	29.0	326.29	68.73	11.32	82.61	488.96
	76	Pine	127.0	29.0	335.51	71.17	11.64	84.75	503.07
	77	Pine	120.0	28.0	294.52	60.45	10.23	75.20	440.40
	78	Pine	134.0	29.0	368.64	80.09	12.78	92.40	553.90
	79	Pine	98.0	25.0	186.88	34.19	6.51	49.54	277.12
		Mean	109.8	29.3	269.79	55.03	9.37	69.12	403.31
		S.D.	18.4	1.8	86.41	21.84	2.98	20.39	131.59
		C.V.	16.8	6.2	32.03	39.68	31.85	29.51	32.63
8	1	Pine	150.0	35.0	529.95	126.21	18.34	128.90	803.40
	2	Pine	123.0	34.0	364.70	79.01	12.65	91.49	547.85
	3	Pine	124.0	35.5	384.20	84.34	13.32	95.97	577.83
	4	Pine	138.0	32.5	428.99	96.84	14.86	106.18	646.87
	5	Pine	149.0	35.5	530.33	126.32	18.35	128.99	803.99
	6	Pine	120.0	35.5	362.71	78.48	12.58	91.03	544.80
	7	Pine	106.0	31.5	262.70	52.38	9.13	67.71	391.92

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	8	Pine	136.0	34.6	441.75	100.47	15.30	109.08	666.60
	9	Pine	170.0	35.0	660.14	166.20	22.82	157.68	1,006.83
	10	Pine	96.0	29.0	205.31	38.46	7.15	54.01	304.93
	11	Pine	110.0	30.5	272.52	54.85	9.47	70.03	406.86
	12	Pine	140.0	30.6	417.30	93.55	14.46	103.53	628.84
	13	Pine	155.0	30.0	490.32	114.50	16.98	120.03	741.83
	14	Pine	111.0	28.5	260.88	51.93	9.07	67.28	389.16
	15	Pine	123.0	33.2	357.16	76.97	12.39	89.75	536.27
	16	Pine	119.0	33.5	339.69	72.29	11.79	85.72	509.49
	17	Pine	130.0	30.5	365.36	79.19	12.67	91.64	548.87
	18	Pine	96.0	28.5	202.20	37.73	7.04	53.26	300.23
	19	Pine	143.0	30.5	431.88	97.66	14.96	106.84	651.35
	20	Pine	134.0	29.0	368.64	80.09	12.78	92.40	553.90
	21	Pine	64.0	18.0	66.32	9.33	2.32	19.15	97.13
	22	Pine	130.0	30.5	365.36	79.19	12.67	91.64	548.87
	23	Pine	137.0	30.5	400.59	88.88	13.89	99.72	603.06
	24	Pine	135.0	31.5	401.59	89.16	13.92	99.94	604.61
	25	Pine	128.0	30.0	350.43	75.16	12.16	88.20	525.95
	26	Pine	127.0	30.5	350.69	75.23	12.17	88.26	526.35
	27	Pine	138.0	32.0	423.19	95.20	14.66	104.87	637.92
	28	Pine	144.0	33.5	474.71	109.95	16.44	116.52	717.62
	29	Pine	146.0	30.5	447.91	102.22	15.52	110.47	676.12
	30	Pine	148.0	31.6	473.22	109.51	16.39	116.18	715.30
	31	Pine	150.0	32.5	496.59	116.33	17.19	121.44	751.55
	32	Pine	149.0	32.7	493.44	115.41	17.08	120.73	746.66
	33	Pine	150.0	33.0	503.28	118.30	17.42	122.94	761.95
	34	Pine	120.0	32.0	331.14	70.01	11.49	83.74	496.38
	35	Pine	116.0	31.5	307.73	63.87	10.68	78.29	460.57
	36	Pine	136.0	31.7	409.09	91.25	14.18	101.66	616.17
	37	Pine	131.0	30.5	370.31	80.54	12.84	92.78	556.47
	38	Pine	147.0	30.5	453.31	103.77	15.70	111.69	684.47
	39	Pine	138.0	31.0	411.56	91.94	14.26	102.22	619.98
	40	Pine	144.0	31.5	449.75	102.75	15.58	110.89	678.97
	41	Pine	146.0	30.5	447.91	102.22	15.52	110.47	676.12
	42	Pine	149.0	31.0	470.86	108.83	16.31	115.65	711.65
	43	Pine	138.0	31.0	411.56	91.94	14.26	102.22	619.98
	44	Pine	126.0	31.0	350.83	75.27	12.17	88.29	526.56
	45	Pine	152.0	31.5	494.52	115.72	17.12	120.97	748.33
	46	Pine	110.0	30.0	268.59	53.86	9.33	69.10	400.89
	47	Pine	106.0	30.0	251.69	49.64	8.75	65.10	375.18
	48	Pine	112.0	29.0	269.10	53.98	9.35	69.22	401.65
	49	Pine	123.0	30.0	326.76	68.86	11.34	82.72	489.68
	50	Pine	115.0	30.0	290.39	59.39	10.08	74.23	434.09
	51	Pine	135.0	30.5	390.38	86.05	13.53	97.38	587.34
	52	Pine	96.0	18.5	138.39	23.46	4.83	37.61	204.29
	53	Pine	143.0	29.0	413.19	92.39	14.32	102.59	622.49
	54	Pine	68.0	18.0	73.76	10.66	2.58	21.12	108.12
	55	Pine	128.0	28.0	329.85	69.67	11.45	83.44	494.40
	56	Pine	124.0	28.5	316.85	66.25	11.00	80.42	474.52
	57	Pine	110.0	28.0	252.81	49.92	8.79	65.37	376.90
	58	Pine	108.0	28.0	244.80	47.95	8.51	63.47	364.73
	59	Pine	139.0	28.0	381.20	83.52	13.22	95.28	573.21
	60	Pine	142.0	28.5	401.95	89.26	13.93	100.03	605.16
	61	Pine	139.0	28.5	387.16	85.16	13.42	96.65	582.39
	62	Pine	127.0	28.5	330.43	69.82	11.47	83.57	495.29
	63	Pine	141.0	29.0	403.10	89.58	13.97	100.29	606.94
	64	Pine	132.0	28.5	353.60	76.01	12.27	88.93	530.81
	65	Pine	140.0	28.5	392.07	86.51	13.59	97.77	589.94

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	66	Pine	142.0	29.0	408.13	90.98	14.15	101.44	614.69
	67	Pine	128.0	28.0	329.85	69.67	11.45	83.44	494.40
	68	Pine	142.0	28.5	401.95	89.26	13.93	100.03	605.16
	69	Pine	147.0	29.5	440.24	100.04	15.25	108.73	664.26
	70	Pine	129.0	28.0	334.38	70.87	11.60	84.49	501.35
	71	Pine	101.0	22.0	176.13	31.74	6.14	46.92	260.93
	72	Pine	122.0	23.0	255.13	50.50	8.87	65.92	380.41
	73	Pine	132.0	26.0	326.23	68.71	11.32	82.60	488.86
	74	Pine	138.0	28.0	376.40	82.20	13.05	94.18	565.83
		Mean	129.5	29.9	366.18	80.48	12.70	91.52	550.87
		S.D.	18.7	3.5	102.80	27.16	3.55	23.95	157.39
		C.V.	14.5	11.6	28.07	33.75	27.94	26.17	28.57
9	1	Pine	83.0	30.0	163.84	28.99	5.71	43.91	242.46
	2	Pine	154.0	30.0	484.79	112.88	16.79	118.79	733.24
	3	Pine	148.0	30.0	452.13	103.43	15.66	111.43	682.65
	4	Pine	139.0	30.0	404.99	90.10	14.04	100.72	609.85
	5	Pine	98.0	30.0	219.31	41.78	7.63	57.38	326.09
	6	Pine	132.0	30.0	369.88	80.42	12.83	92.68	555.81
	7	Pine	98.0	30.0	219.31	41.78	7.63	57.38	326.09
	8	Pine	132.0	30.0	369.88	80.42	12.83	92.68	555.81
	9	Pine	136.0	30.0	389.77	85.88	13.51	97.24	586.41
	10	Pine	107.0	30.0	255.87	50.68	8.89	66.10	381.54
	11	Pine	147.0	30.0	446.78	101.90	15.48	110.22	674.37
	12	Pine	95.0	30.0	207.66	39.01	7.23	54.58	308.48
	13	Pine	100.0	30.0	227.22	43.67	7.90	59.27	338.07
	14	Pine	143.0	30.0	425.66	95.90	14.75	105.43	641.74
	15	Pine	147.0	30.0	446.78	101.90	15.48	110.22	674.37
	16	Pine	139.0	30.0	404.99	90.10	14.04	100.72	609.85
	17	Pine	97.0	30.0	215.39	40.84	7.49	56.44	320.17
	18	Pine	125.0	30.0	336.15	71.34	11.66	84.90	504.05
	19	Pine	116.0	30.0	294.83	60.53	10.24	75.27	440.87
	20	Pine	121.0	30.0	317.50	66.42	11.02	80.57	475.50
	21	Pine	158.0	30.0	507.10	119.43	17.55	123.79	767.88
	22	Pine	105.0	30.0	247.54	48.62	8.60	64.12	368.88
	23	Pine	96.0	30.0	211.51	39.92	7.36	55.50	314.30
	24	Pine	130.0	30.0	360.10	77.77	12.49	90.43	540.79
	25	Pine	114.0	30.0	285.97	58.26	9.93	73.19	427.35
	26	Pine	113.0	30.0	281.58	57.14	9.78	72.16	420.67
	27	Pine	86.0	30.0	174.38	31.34	6.07	46.49	258.29
	28	Pine	100.0	30.0	227.22	43.67	7.90	59.27	338.07
	29	Pine	106.0	30.0	251.69	49.64	8.75	65.10	375.18
	30	Pine	82.0	30.0	160.40	28.23	5.59	43.06	237.28
	31	Pine	98.0	30.0	219.31	41.78	7.63	57.38	326.09
	32	Pine	67.0	25.0	95.88	14.81	3.35	26.86	140.91
	33	Pine	136.0	30.0	389.77	85.88	13.51	97.24	586.41
	34	Pine	91.0	30.0	192.56	35.49	6.70	50.92	285.68
	35	Pine	110.0	30.0	268.59	53.86	9.33	69.10	400.89
	36	Pine	94.0	30.0	203.84	38.12	7.09	53.65	302.71
	37	Pine	127.0	30.0	345.64	73.88	11.99	87.09	518.60
	38	Pine	144.0	30.0	430.90	97.38	14.93	106.62	649.83
	39	Pine	135.0	30.0	384.76	84.50	13.34	96.09	578.69
	40	Pine	108.0	30.0	260.08	51.73	9.04	67.09	387.94
	41	Pine	96.0	30.0	211.51	39.92	7.36	55.50	314.30
	42	Pine	92.0	28.0	184.76	33.70	6.43	49.03	273.92
	43	Pine	89.0	30.0	185.20	33.80	6.45	49.13	274.58
	44	Pine	77.0	25.0	122.39	20.11	4.27	33.60	180.38
	45	Pine	104.0	30.0	243.41	47.61	8.46	63.14	362.62
	46	Pine	99.0	30.0	223.25	42.72	7.77	58.32	332.06

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	47	Pine	103.0	30.0	239.32	46.61	8.32	62.16	356.41
	48	Pine	102.0	30.0	235.26	45.62	8.18	61.19	350.25
	49	Pine	135.0	30.0	384.76	84.50	13.34	96.09	578.69
	50	Pine	78.0	30.0	146.92	25.29	5.12	39.73	217.06
	51	Pine	134.0	30.0	379.77	83.13	13.17	94.95	571.02
	52	Pine	135.0	30.0	384.76	84.50	13.34	96.09	578.69
	53	Pine	108.0	30.0	260.08	51.73	9.04	67.09	387.94
	54	Pine	147.0	30.0	446.78	101.90	15.48	110.22	674.37
	55	Pine	141.0	30.0	415.27	92.98	14.39	103.06	625.70
	56	Pine	140.0	30.0	410.11	91.53	14.21	101.89	617.75
	57	Pine	104.0	30.0	243.41	47.61	8.46	63.14	362.62
	58	Pine	142.0	30.0	420.45	94.43	14.57	104.24	633.70
	59	Pine	121.0	30.0	317.50	66.42	11.02	80.57	475.50
	60	Pine	116.0	30.0	294.83	60.53	10.24	75.27	440.87
	61	Pine	114.0	30.0	285.97	58.26	9.93	73.19	427.35
	62	Pine	113.0	30.0	281.58	57.14	9.78	72.16	420.67
		Mean	115.3	29.8	297.88	62.41	10.34	75.66	446.30
		S.D.	22.2	0.9	100.21	25.88	3.46	23.48	153.00
		C.V.	19.3	3.1	33.64	41.47	33.45	31.03	34.28
10	1	Pine	109.0	29.0	256.58	50.86	8.92	66.26	382.61
	2	Pine	93.0	30.0	200.05	37.23	6.96	52.74	296.98
	3	Pine	61.0	25.0	81.32	12.05	2.85	23.09	119.32
	4	Pine	116.0	33.0	320.55	67.22	11.13	81.28	480.17
	5	Pine	80.0	32.0	162.54	28.70	5.66	43.59	240.50
	6	Pine	133.0	35.0	429.10	96.87	14.87	106.21	647.05
	7	Pine	125.0	35.0	384.83	84.52	13.34	96.11	578.81
	8	Pine	126.0	32.0	360.74	77.94	12.51	90.58	541.77
	9	Pine	105.0	29.0	240.28	46.84	8.35	62.39	357.87
	10	Pine	99.0	29.0	216.71	41.16	7.54	56.75	322.15
	11	Pine	117.0	31.0	308.04	63.95	10.69	78.36	461.05
	12	Pine	98.0	30.0	219.31	41.78	7.63	57.38	326.09
	13	Pine	123.0	31.5	341.06	72.65	11.83	86.03	511.57
	14	Pine	82.0	28.0	150.97	26.17	5.26	40.74	223.14
	15	Pine	126.0	31.0	350.83	75.27	12.17	88.29	526.56
	16	Pine	90.0	28.0	177.77	32.11	6.19	47.32	263.39
	17	Pine	129.0	30.0	355.25	76.46	12.32	89.31	533.35
	18	Pine	94.0	28.0	191.87	35.33	6.68	50.75	284.63
	19	Pine	122.0	30.0	322.12	67.63	11.18	81.64	482.57
	20	Pine	107.0	30.0	255.87	50.68	8.89	66.10	381.54
	21	Pine	120.0	31.0	322.04	67.61	11.18	81.62	482.45
	22	Pine	77.0	26.0	126.68	21.00	4.42	34.68	186.78
	23	Pine	105.0	29.0	240.28	46.84	8.35	62.39	357.87
	24	Pine	96.0	27.0	192.83	35.56	6.71	50.99	286.09
	25	Pine	93.0	25.0	170.47	30.47	5.94	45.54	252.42
	26	Pine	101.0	27.0	210.81	39.76	7.34	55.33	313.23
	27	Pine	70.0	22.0	92.56	14.17	3.24	26.00	135.97
	28	Pine	109.0	25.0	225.24	43.20	7.83	58.80	335.08
	29	Pine	136.0	28.0	366.88	79.61	12.72	91.99	551.20
	30	Pine	130.0	30.0	360.10	77.77	12.49	90.43	540.79
	31	Pine	115.0	28.0	273.33	55.05	9.50	70.22	408.09
	32	Pine	103.0	27.0	218.19	41.51	7.59	57.11	324.39
	33	Pine	110.0	28.0	252.81	49.92	8.79	65.37	376.90
	34	Pine	66.0	25.0	93.38	14.33	3.26	26.22	137.20
	35	Pine	121.0	30.0	317.50	66.42	11.02	80.57	475.50
	36	Pine	62.0	22.0	74.80	10.85	2.62	21.39	109.66
	37	Pine	87.0	26.0	156.95	27.47	5.47	42.21	232.11
	38	Pine	114.0	28.0	269.17	54.00	9.35	69.24	401.76
	39	Pine	92.0	23.0	155.47	27.15	5.42	41.85	229.88

Table B.2-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	40	Pine	114.0	30.0	285.97	58.26	9.93	73.19	427.35
	41	Pine	62.0	24.0	80.73	11.94	2.83	22.94	118.44
	42	Pine	100.0	26.0	200.41	37.31	6.98	52.82	297.52
	43	Pine	119.0	27.0	281.11	57.02	9.76	72.05	419.96
	44	Pine	103.0	28.0	225.26	43.20	7.83	58.80	335.10
	45	Pine	114.0	28.0	269.17	54.00	9.35	69.24	401.76
	46	Pine	100.0	24.0	186.82	34.17	6.50	49.53	277.02
	47	Pine	120.0	28.0	294.52	60.45	10.23	75.20	440.40
	48	Pine	119.0	26.0	271.96	54.70	9.45	69.90	406.01
	49	Pine	122.0	28.0	303.19	62.69	10.53	77.23	453.64
	50	Pine	120.0	28.0	294.52	60.45	10.23	75.20	440.40
	51	Pine	111.0	28.0	256.86	50.93	8.93	66.33	383.05
	52	Pine	130.0	30.0	360.10	77.77	12.49	90.43	540.79
	53	Pine	115.0	28.0	273.33	55.05	9.50	70.22	408.09
	54	Pine	114.0	28.0	269.17	54.00	9.35	69.24	401.76
	55	Pine	120.0	28.0	294.52	60.45	10.23	75.20	440.40
	56	Pine	129.0	28.0	334.38	70.87	11.60	84.49	501.35
	57	Pine	132.0	29.0	359.04	77.48	12.45	90.19	539.16
	58	Pine	131.0	29.0	354.28	76.20	12.29	89.09	531.85
	59	Pine	140.0	29.0	398.09	88.18	13.80	99.15	599.22
	60	Pine	132.0	29.0	359.04	77.48	12.45	90.19	539.16
		Mean	108.2	28.3	256.63	51.85	8.92	65.96	383.35
		S.D.	19.8	2.7	87.21	21.17	3.01	20.87	132.22
		C.V.	18.3	9.4	33.98	40.83	33.82	31.63	34.49

Table B.2-2. Biomass carbon of successional species in ten plots in the 22-year-old pine plantation

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
1	1	<i>D. glandulosa</i>	44.0	18.2	46.79	12.88	2.94	10.94	73.54
	2	<i>L. glutinosa</i>	64.0	18.5	94.57	27.21	5.33	20.26	147.36
	3	<i>L. glutinosa</i>	68.0	27.5	152.18	45.12	7.96	30.73	235.98
	4	<i>L. glutinosa</i>	53.0	26.3	92.39	26.54	5.23	19.85	144.00
	5	<i>G. usitata</i>	45.0	16.2	43.81	12.01	2.79	10.32	68.93
	6	<i>G. usitata</i>	51.0	16.5	56.08	15.61	3.43	12.82	87.94
	7	<i>D. glandulosa</i>	71.0	25.1	151.49	44.90	7.93	30.61	234.92
	8	<i>D. glandulosa</i>	63.0	25.0	121.16	35.41	6.57	25.17	188.30
	9	<i>D. glandulosa</i>	64.0	15.2	78.95	22.46	4.58	17.29	123.27
	10	<i>F. ribes</i>	50.0	10.3	35.07	9.48	2.31	8.50	55.35
	11	<i>L. glutinosa</i>	44.0	12.0	31.91	8.57	2.13	7.82	50.43
	12	<i>L. glutinosa</i>	46.0	11.0	31.96	8.59	2.13	7.83	50.52
2	1	<i>G. pinnata</i>	51.0	18.1	60.91	17.04	3.68	13.78	95.41
	2	<i>W. tometosa</i>	49.0	7.0	23.70	6.25	1.66	6.03	37.63
	3	<i>D. glandulosa</i>	34.0	9.5	16.03	4.12	1.19	4.28	25.62
	4	<i>F. ribes</i>	46.0	15.0	42.50	11.63	2.71	10.05	66.90
	5	<i>W. tometosa</i>	83.0	24.0	193.71	58.31	9.76	37.96	299.73
	6	<i>L. glandifolius</i>	56.0	23.4	91.82	26.37	5.20	19.74	143.13
	7	<i>A. odoratissima</i>	93.0	23.5	234.18	71.34	11.45	44.82	361.79
	8	<i>L. glandifolius</i>	82.0	25.3	198.85	59.95	9.97	38.84	307.62
	9	<i>D. glandulosa</i>	77.0	24.2	170.04	50.77	8.74	33.87	263.41
	10	<i>L. glandifolius</i>	85.0	25.5	213.97	64.81	10.61	41.42	330.80
3	1	<i>D. cultrata</i>	43.0	8.5	22.28	5.85	1.57	5.71	35.41
	2	<i>A. odoratissima</i>	61.0	29.0	130.87	38.43	7.01	26.92	203.23
	3	<i>M. indica</i>	39.0	9.0	19.62	5.11	1.41	5.11	31.26
	4	<i>M. indica</i>	39.0	7.5	16.60	4.28	1.23	4.41	26.51
4	1	<i>L. glandifolius</i>	44.0	10.5	28.22	7.52	1.92	7.02	44.69
	2	<i>B. variegata</i>	69.0	18.5	108.59	31.52	5.99	22.86	168.96
	3	<i>B. variegata</i>	86.0	25.0	214.67	65.04	10.64	41.54	331.89
	4	<i>A. odoratissima</i>	114.0	13.0	197.59	59.55	9.92	38.63	305.69
5	1	<i>D. cultrata</i>	64.0	15.5	80.38	22.89	4.65	17.57	125.48
	2	<i>P. serratum</i>	52.0	8.5	31.59	8.48	2.11	7.75	49.94
	3	<i>L. duperreanum</i>	93.0	15.5	159.75	47.51	8.29	32.06	247.61
	4	<i>D. cultrata</i>	58.0	13.5	59.08	16.50	3.58	13.41	92.57
	5	<i>F. ribes</i>	79.0	12.0	93.56	26.90	5.28	20.07	145.80
	6	<i>S. wallichii</i>	45.0	15.5	42.07	11.50	2.69	9.96	66.23
	7	<i>D. glandulosa</i>	58.0	14.5	63.09	17.69	3.79	14.21	98.78
	8	<i>A. odoratissima</i>	82.0	15.0	122.99	35.98	6.65	25.50	191.12
	9	<i>F. ribes</i>	75.0	13.5	94.75	27.26	5.34	20.29	147.65
	10	<i>F. ribes</i>	59.0	10.5	48.39	13.35	3.03	11.26	76.03
	11	<i>F. ribes</i>	60.0	10.5	49.91	13.79	3.11	11.57	78.38
	12	<i>G. pinnata</i>	49.0	10.5	34.40	9.28	2.27	8.35	54.30
	13	<i>A. villosa</i>	76.0	22.0	152.08	45.09	7.96	30.71	235.84
6	1	<i>F. ribes</i>	62.0	18.5	89.21	25.57	5.07	19.25	139.10
	2	<i>M. denticulata</i>	87.0	25.0	219.28	66.53	10.83	42.32	338.96
	3	<i>A. odoratissima</i>	89.0	28.0	253.73	77.69	12.25	48.09	391.76
	4	<i>A. odoratissima</i>	84.0	28.0	228.15	69.39	11.20	43.81	352.55
	5	<i>D. glandulosa</i>	50.0	15.0	49.54	13.68	3.09	11.50	77.82
7	1	<i>F. ribes</i>	55.0	8.0	33.13	8.92	2.20	8.08	52.33
	2	<i>P. macrocarpus</i>	52.0	10.5	38.37	10.43	2.49	9.19	60.47
	3	<i>P. serratum</i>	51.0	12.5	43.45	11.90	2.77	10.25	68.37
8	1	<i>F. ribes</i>	115.0	11.0	172.21	51.45	8.83	34.24	266.74
	2	<i>G. usitata</i>	75.0	25.0	166.93	49.78	8.61	33.32	258.63
9	1	<i>B. variegata</i>	45.0	12.0	33.25	8.96	2.21	8.11	52.53
	2	<i>B. variegata</i>	32.0	10.0	15.03	3.85	1.13	4.04	24.05
	3	<i>B. variegata</i>	79.0	13.0	100.70	29.08	5.62	21.40	156.80

Table B.2-2. (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Biomass carbon /tree (kg)				
					Stem	Branch	Leaf	Root	Total
	4	<i>M. pierrei</i>	24.0	4.5	4.25	1.01	0.39	1.34	6.99
	5	<i>B. variegata</i>	63.0	12.0	61.72	17.28	3.72	13.94	96.66
	6	<i>D. cultrata</i>	43.0	14.0	35.24	9.53	2.32	8.53	55.62
	7	<i>D. cultrata</i>	19.0	6.0	3.61	0.84	0.34	1.16	5.95
	8	<i>G. arborea</i>	55.0	8.0	33.13	8.92	2.20	8.08	52.33
	9	<i>B. variegata</i>	68.0	12.0	71.02	20.07	4.19	15.76	111.03
	10	<i>G. arborea</i>	69.0	14.0	84.05	24.00	4.82	18.27	131.15
	11	<i>D. cultrata</i>	52.0	16.0	56.50	15.74	3.45	12.90	88.59
	12	<i>F. ribes</i>	54.0	16.0	60.56	16.94	3.66	13.71	94.87
9	1	<i>B. variegata</i>	45.0	12.0	33.25	8.96	2.21	8.11	52.53
	2	<i>B. variegata</i>	32.0	10.0	15.03	3.85	1.13	4.04	24.05
	3	<i>B. variegata</i>	79.0	13.0	100.70	29.08	5.62	21.40	156.80
	4	<i>M. pierrei</i>	24.0	4.5	4.25	1.01	0.39	1.34	6.99
	5	<i>B. variegata</i>	63.0	12.0	61.72	17.28	3.72	13.94	96.66
	6	<i>D. cultrata</i>	43.0	14.0	35.24	9.53	2.32	8.53	55.62
	7	<i>D. cultrata</i>	19.0	6.0	3.61	0.84	0.34	1.16	5.95
	8	<i>G. arborea</i>	55.0	8.0	33.13	8.92	2.20	8.08	52.33
	9	<i>B. variegata</i>	68.0	12.0	71.02	20.07	4.19	15.76	111.03
	10	<i>G. arborea</i>	69.0	14.0	84.05	24.00	4.82	18.27	131.15
	11	<i>D. cultrata</i>	52.0	16.0	56.50	15.74	3.45	12.90	88.59
	12	<i>F. ribes</i>	54.0	16.0	60.56	16.94	3.66	13.71	94.87
	13	<i>P. tomentosa</i>	55.0	16.0	62.64	17.56	3.76	14.12	98.08
	14	<i>P. tomentosa</i>	51.0	11.0	38.64	10.51	2.50	9.25	60.90
	15	<i>B. variegata</i>	45.0	10.0	28.12	7.49	1.92	7.00	44.54
	16	<i>F. ribes</i>	49.0	13.0	41.86	11.44	2.68	9.92	65.89
	17	<i>C. pruniflorum</i>	40.0	8.0	18.45	4.79	1.34	4.84	29.42
	18	<i>B. variegata</i>	56.0	12.0	49.70	13.73	3.10	11.53	78.06
	19	<i>B. variegata</i>	42.0	8.0	20.18	5.27	1.45	5.24	32.13
	20	<i>B. variegata</i>	48.0	12.0	37.44	10.16	2.44	9.00	59.04
	21	<i>A. odoratissima</i>	42.0	12.0	29.29	7.83	1.98	7.26	46.36
	22	<i>D. glandulosa</i>	118.0	19.0	298.37	92.30	14.04	55.42	460.13
	23	<i>L. duperreanum</i>	118.0	19.0	298.37	92.30	14.04	55.42	460.13
	24	<i>P. tomentosa</i>	53.0	15.0	55.15	15.33	3.38	12.63	86.49
	25	<i>S. wallichii</i>	27.0	7.0	7.92	1.95	0.66	2.31	12.84
	26	<i>B. variegata</i>	46.0	11.0	31.96	8.59	2.13	7.83	50.52
10	1	<i>V. pinnata</i>	13.0	4.5	1.38	0.30	0.15	0.50	2.33
	2	<i>S. wallichii</i>	29.0	7.0	9.04	2.24	0.74	2.59	14.60
	3	<i>G. arborea</i>	103.0	25.0	299.06	92.52	14.07	55.53	461.19
	4	<i>A. odoratissima</i>	48.0	20.0	59.87	16.74	3.62	13.57	93.80
	5	<i>A. odoratissima</i>	42.0	18.0	42.52	11.63	2.72	10.06	66.92
	6	<i>V. pinnata</i>	20.0	6.0	3.96	0.93	0.37	1.26	6.52
	7	<i>V. pinnata</i>	12.0	5.0	1.31	0.29	0.14	0.48	2.22
	8	<i>M. pierrei</i>	14.0	5.5	1.90	0.43	0.20	0.66	3.18
	9	<i>L. glutinosa</i>	30.0	9.0	12.12	3.06	0.94	3.35	19.47
	10	<i>M. pierrei</i>	35.0	8.0	14.43	3.69	1.09	3.90	23.12
	11	<i>G. arborea</i>	98.0	20.0	222.32	67.51	10.96	42.83	343.61
	12	<i>G. usitata</i>	54.0	9.0	35.69	9.66	2.34	8.63	56.32
	13	<i>V. pinnata</i>	22.0	3.0	2.50	0.57	0.25	0.84	4.16
	14	<i>Sterculia sp.</i>	36.0	7.0	13.45	3.42	1.03	3.67	21.56
	15	<i>L. glutinosa</i>	18.0	4.0	2.25	0.51	0.23	0.77	3.75
	16	<i>D. cultrata</i>	88.0	24.0	215.69	65.37	10.68	41.71	333.45
	17	<i>L. glutinosa</i>	52.0	10.0	36.68	9.94	2.40	8.84	57.86

Table B.3-1. Biomass water in ten plots in the 22-year-old pine plantation

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm3)				
					Stem	Branch	Leaf	Root	Total
1	1	Pine	117.0	32.4	481.30	189.66	32.60	79.60	783.15
	2	Pine	63.0	26.2	134.79	38.48	9.20	24.76	207.23
	3	Pine	109.0	31.1	410.04	155.15	27.80	68.71	661.71
	4	Pine	85.0	29.3	251.51	84.09	17.10	43.88	396.59
	5	Pine	91.0	31.2	299.56	104.69	20.35	51.52	476.12
	6	Pine	118.0	32.2	485.24	191.60	32.86	80.19	789.89
	7	Pine	125.0	35.4	584.22	241.78	39.52	95.08	960.60
	8	Pine	83.0	21.3	182.34	56.20	12.42	32.67	283.63
	9	Pine	72.0	24.4	160.07	47.73	10.91	28.99	247.71
	10	Pine	105.0	27.2	341.40	123.33	23.17	58.08	545.99
	11	Pine	82.0	25.6	209.76	66.98	14.28	37.15	328.17
	12	Pine	84.0	26.8	227.80	74.28	15.50	40.07	357.65
	13	Pine	96.0	27.6	295.48	102.91	20.07	50.88	469.34
	14	Pine	89.0	27.0	253.78	85.04	17.25	44.25	400.32
	15	Pine	66.0	26.2	146.01	42.54	9.96	26.65	225.16
	16	Pine	103.0	27.6	334.33	120.14	22.69	56.98	534.14
	17	Pine	88.0	25.2	233.77	76.73	15.90	41.04	367.43
	18	Pine	86.0	23.3	209.97	67.07	14.29	37.19	328.51
	19	Pine	89.0	28.5	266.11	90.25	18.09	46.22	420.66
	20	Pine	103.0	30.1	360.76	132.15	24.48	61.10	578.49
	21	Pine	108.0	31.3	405.17	152.85	27.47	67.96	653.45
	22	Pine	98.0	29.3	322.87	115.00	21.92	55.18	514.97
	23	Pine	83.0	28.4	234.70	77.11	15.96	41.19	368.96
	24	Pine	120.0	32.3	501.81	199.83	33.98	82.70	818.32
	25	Pine	150.0	28.2	659.00	281.17	44.55	106.19	1,090.90
	26	Pine	65.0	27.4	148.09	43.30	10.10	27.00	228.49
	27	Pine	108.0	27.6	363.33	133.34	24.65	61.50	582.82
	28	Pine	82.0	27.1	220.51	71.31	15.00	38.90	345.72
	29	Pine	89.0	27.3	256.25	86.08	17.42	44.64	404.39
	30	Pine	90.0	27.3	261.32	88.22	17.76	45.45	412.76
	31	Pine	94.0	27.6	284.76	98.25	19.35	49.18	451.54
	32	Pine	99.0	27.5	310.89	109.67	21.11	53.30	494.98
	33	Pine	116.0	27.3	407.95	154.16	27.66	68.39	658.16
	34	Pine	117.0	28.2	426.10	162.80	28.88	71.18	688.96
	35	Pine	90.0	27.4	262.16	88.58	17.82	45.59	414.15
	36	Pine	101.0	28.1	328.15	117.36	22.28	56.01	523.80
	37	Pine	127.0	29.0	504.29	201.07	34.14	83.08	822.58
	38	Pine	115.0	29.3	426.87	163.18	28.93	71.30	690.28
	39	Pine	110.0	29.0	391.87	146.59	26.57	65.92	630.95
	40	Pine	100.0	29.4	335.52	120.67	22.77	57.17	536.14
	41	Pine	118.0	30.4	461.31	179.84	31.25	76.56	748.96
	42	Pine	78.0	29.0	214.35	68.83	14.59	37.90	335.67
	43	Pine	109.0	28.6	380.97	141.50	25.84	64.23	612.54
	44	Pine	95.0	27.9	292.87	101.77	19.89	50.46	464.99
	45	Pine	77.0	27.7	201.29	63.61	13.70	35.77	314.38
	46	Pine	75.0	27.6	191.29	59.68	13.03	34.14	298.13
	47	Pine	82.0	27.3	221.93	71.89	15.10	39.13	348.05
	48	Pine	94.0	27.5	283.86	97.86	19.29	49.04	450.04
	49	Pine	110.0	27.4	372.84	137.72	25.29	62.97	598.82
	50	Pine	124.0	27.9	467.43	182.83	31.66	77.49	759.42
	51	Pine	73.0	28.3	186.78	57.92	12.72	33.40	290.82
	52	Pine	97.0	29.4	318.06	112.85	21.59	54.43	506.94
	53	Pine	88.0	30.4	275.68	94.34	18.73	47.74	436.50
	54	Pine	72.0	27.2	176.08	53.79	12.00	31.64	273.51
	55	Pine	137.0	31.4	617.66	259.25	41.77	100.06	1,018.74
	56	Pine	81.0	29.5	232.49	76.20	15.81	40.83	365.34
	57	Pine	80.0	27.4	213.21	68.37	14.51	37.71	333.79
	58	Pine	110.0	31.3	419.02	159.42	28.40	70.09	676.94

Table B.3-1. (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree (m)	Amount of water storage/tree (cm3)				
					Stem	Branch	Leaf	Root	Total
	59	Pine	117.0	29.6	443.94	171.39	30.08	73.91	719.33
	60	Pine	69.0	27.3	163.93	49.18	11.17	29.63	253.92
	61	Pine	97.0	27.5	299.47	104.65	20.34	51.50	475.97
	62	Pine	104.0	27.6	340.05	122.72	23.08	57.87	543.71
	63	Pine	75.0	27.0	187.93	58.37	12.80	33.59	292.69
	64	Pine	115.0	27.6	405.67	153.08	27.50	68.04	654.30
	65	Pine	109.0	27.5	368.08	135.52	24.97	62.24	590.81
	66	Pine	104.0	27.5	338.97	122.23	23.01	57.70	541.90
	67	Pine	132.0	28.6	533.11	215.58	36.08	87.42	872.19
	68	Pine	123.0	29.3	481.07	189.54	32.58	79.56	782.75
	69	Pine	89.0	28.8	268.56	91.30	18.25	46.61	424.72
	70	Pine	89.0	28.1	262.83	88.86	17.86	45.69	415.24
	71	Pine	103.0	30.3	362.86	133.12	24.62	61.43	582.03
	72	Pine	105.0	30.1	372.60	137.61	25.27	62.94	598.42
	73	Pine	114.0	30.4	434.85	167.00	29.47	72.52	703.84
	74	Pine	99.0	29.8	333.59	119.80	22.64	56.86	532.90
	75	Pine	88.0	28.4	260.08	87.70	17.68	45.25	410.71
	76	Pine	82.0	27.4	222.29	72.04	15.12	39.18	348.64
	77	Pine	88.0	27.3	251.22	83.97	17.08	43.84	396.10
	78	Pine	89.0	27.4	256.66	86.26	17.45	44.71	405.07
	79	Pine	104.0	27.8	342.21	123.69	23.22	58.21	547.34
	80	Pine	128.0	27.6	489.55	193.74	33.15	80.85	797.29
	81	Pine	97.0	27.1	296.12	103.19	20.11	50.98	470.39
	82	Pine	102.0	27.6	328.65	117.59	22.31	56.09	524.64
	83	Pine	121.0	27.8	446.36	172.56	30.24	74.28	723.45
		Mean	98.3	28.3	324.55	117.95	22.02	55.20	519.72
		S.D.	17.9	2.0	114.26	52.03	7.71	17.83	191.78
		C.V.	18.2	7.0	35.21	44.12	35.00	32.31	36.90
2	1	Pine	122.0	25.2	415.47	157.73	28.16	69.55	670.91
	2	Pine	81.0	27.0	215.11	69.13	14.64	38.02	336.90
	3	Pine	79.0	27.5	209.22	66.77	14.24	37.06	327.29
	4	Pine	100.0	29.2	333.52	119.77	22.64	56.85	532.78
	5	Pine	54.0	15.3	64.15	15.18	4.40	12.53	96.25
	6	Pine	115.0	28.4	415.97	157.97	28.20	69.62	671.76
	7	Pine	82.0	27.1	220.51	71.31	15.00	38.90	345.72
	8	Pine	66.0	27.2	151.14	44.42	10.31	27.51	233.38
	9	Pine	112.0	28.2	394.66	147.89	26.76	66.35	635.66
	10	Pine	133.0	28.4	536.90	217.50	36.34	87.99	878.73
	11	Pine	103.0	27.8	336.46	121.09	22.84	57.31	537.70
	12	Pine	90.0	27.0	258.80	87.16	17.59	45.05	408.60
	13	Pine	101.0	28.0	327.12	116.90	22.21	55.85	522.08
	14	Pine	101.0	28.1	328.15	117.36	22.28	56.01	523.80
	15	Pine	114.0	28.3	407.74	154.06	27.64	68.36	657.81
	16	Pine	88.0	29.0	264.89	89.74	18.00	46.02	418.66
	17	Pine	87.0	29.0	259.63	87.51	17.65	45.18	409.97
	18	Pine	94.0	29.5	301.90	105.71	20.50	51.89	480.00
	19	Pine	105.0	30.4	376.41	139.37	25.53	63.53	604.84
	20	Pine	103.0	30.1	360.76	132.15	24.48	61.10	578.49
	21	Pine	115.0	30.0	436.46	167.78	29.58	72.77	706.59
	22	Pine	99.0	29.4	329.66	118.04	22.38	56.25	526.32
	23	Pine	109.0	29.3	389.14	145.31	26.39	65.49	626.33
	24	Pine	111.0	29.2	400.56	150.67	27.16	67.25	645.64
	25	Pine	102.0	28.0	332.83	119.46	22.59	56.74	531.63
	26	Pine	80.0	27.8	215.93	69.46	14.69	38.15	338.25
	27	Pine	72.0	27.5	177.78	54.44	12.11	31.92	276.26
	28	Pine	95.0	28.0	293.79	102.17	19.96	50.61	466.52
	29	Pine	90.0	27.8	265.52	90.00	18.05	46.12	419.69
	30	Pine	104.0	28.2	346.53	125.65	23.52	58.88	554.58

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm ³)				
					Stem	Branch	Leaf	Root	Total
	31	Pine	55.0	29.5	117.86	32.53	8.05	21.89	180.33
	32	Pine	98.0	28.5	315.12	111.55	21.40	53.97	502.03
	33	Pine	104.0	29.2	357.29	130.56	24.24	60.56	572.65
	34	Pine	71.0	25.3	161.23	48.17	10.99	29.18	249.57
	35	Pine	131.0	30.0	548.57	223.44	37.12	89.74	898.88
	36	Pine	130.0	30.0	541.24	219.71	36.63	88.64	886.23
	37	Pine	94.0	29.3	300.10	104.93	20.38	51.60	477.01
	38	Pine	88.0	29.0	264.89	89.74	18.00	46.02	418.66
	39	Pine	147.0	35.0	768.79	341.07	51.92	122.31	1,284.10
	40	Pine	112.0	30.0	416.68	158.31	28.24	69.73	672.96
	41	Pine	92.0	27.0	268.98	91.48	18.28	46.67	425.41
	42	Pine	103.0	27.9	337.52	121.57	22.91	57.48	539.47
	43	Pine	110.0	28.0	379.99	141.04	25.77	64.08	610.88
	44	Pine	97.0	27.8	302.82	106.12	20.57	52.03	481.54
	45	Pine	83.0	27.9	231.07	75.62	15.72	40.60	363.01
	46	Pine	113.0	30.5	429.41	164.39	29.10	71.69	694.59
	47	Pine	115.0	30.5	442.84	170.86	30.01	73.74	717.45
	48	Pine	70.0	28.0	171.90	52.20	11.71	30.95	266.76
	49	Pine	134.0	30.2	574.15	236.57	38.85	93.58	943.14
	50	Pine	111.0	27.8	383.65	142.75	26.02	64.65	617.06
	51	Pine	72.0	26.2	170.38	51.62	11.61	30.70	264.32
	52	Pine	117.0	30.5	456.44	177.46	30.92	75.82	740.65
	53	Pine	118.0	30.5	463.31	180.82	31.39	76.86	752.38
	54	Pine	104.0	28.1	345.45	125.16	23.44	58.72	552.77
	55	Pine	90.0	28.2	268.87	91.43	18.27	46.66	425.22
	56	Pine	130.0	28.5	517.42	207.66	35.03	85.06	845.17
	57	Pine	130.0	28.5	517.42	207.66	35.03	85.06	845.17
	58	Pine	147.0	29.5	661.70	282.62	44.73	106.59	1,095.63
	59	Pine	132.0	29.0	539.65	218.89	36.52	88.40	883.47
	60	Pine	132.0	28.0	523.28	210.61	35.42	85.94	855.26
	61	Pine	135.0	28.5	552.85	225.63	37.41	90.39	906.28
	62	Pine	134.0	30.2	574.15	236.57	38.85	93.58	943.14
	63	Pine	122.0	30.2	486.99	192.47	32.98	80.46	792.89
	64	Pine	131.0	30.0	548.57	223.44	37.12	89.74	898.88
	65	Pine	130.0	30.0	541.24	219.71	36.63	88.64	886.23
	66	Pine	113.0	28.0	398.37	149.64	27.01	66.92	641.93
	67	Pine	121.0	28.5	456.21	177.35	30.91	75.78	740.24
	68	Pine	118.0	28.5	436.54	167.82	29.58	72.78	706.73
	69	Pine	115.0	28.5	417.25	158.58	28.28	69.82	673.94
	70	Pine	150.0	30.0	695.76	300.97	47.02	111.61	1,155.36
	71	Pine	135.0	28.5	552.85	225.63	37.41	90.39	906.28
	72	Pine	148.0	29.5	669.62	286.86	45.26	107.76	1,109.50
	73	Pine	135.0	29.5	569.84	234.35	38.56	92.93	935.68
	74	Pine	132.0	29.0	539.65	218.89	36.52	88.40	883.47
	75	Pine	112.0	28.0	392.20	146.74	26.60	65.97	631.50
	76	Pine	115.0	28.0	410.82	155.52	27.85	68.83	663.03
		Mean	107.7	28.5	386.68	147.35	26.21	64.76	625.00
		S.D.	22.1	2.1	143.59	67.03	9.68	22.25	242.44
		C.V.	20.6	7.2	37.13	45.49	36.94	34.36	38.79
3	1	Pine	119.0	29.5	456.67	177.57	30.94	75.85	741.03
	2	Pine	79.0	26.2	200.51	63.31	13.65	35.65	313.12
	3	Pine	91.0	26.5	259.58	87.49	17.64	45.17	409.88
	4	Pine	135.0	30.5	586.76	243.10	39.69	95.46	965.01
	5	Pine	94.0	28.3	291.09	101.00	19.77	50.18	462.04
	6	Pine	115.0	29.1	424.95	162.26	28.80	71.00	687.01
	7	Pine	29.0	28.5	37.19	7.66	2.56	7.60	55.01
	8	Pine	89.0	28.8	268.56	91.30	18.25	46.61	424.72
	9	Pine	93.0	29.0	291.87	101.33	19.83	50.30	463.34

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm ³)				
					Stem	Branch	Leaf	Root	Total
	10	Pine	122.0	29.2	472.81	185.47	32.03	78.31	768.61
	11	Pine	97.0	28.7	311.40	109.90	21.15	53.38	495.84
	12	Pine	105.0	29.0	361.15	132.33	24.50	61.16	579.15
	13	Pine	88.0	27.0	248.79	82.96	16.92	43.45	392.11
	14	Pine	99.0	27.5	310.89	109.67	21.11	53.30	494.98
	15	Pine	61.0	29.0	139.24	40.08	9.50	25.51	214.33
	16	Pine	87.0	28.4	254.91	85.52	17.33	44.43	402.19
	17	Pine	113.0	25.5	366.98	135.01	24.89	62.06	588.95
	18	Pine	148.0	30.0	679.57	292.21	45.93	109.23	1,126.94
	19	Pine	75.0	26.8	186.71	57.89	12.72	33.39	290.71
	20	Pine	105.0	29.3	363.88	133.59	24.69	61.58	583.74
	21	Pine	105.0	29.0	361.15	132.33	24.50	61.16	579.15
	22	Pine	115.0	29.3	427.51	163.48	28.97	71.40	691.37
	23	Pine	79.0	28.5	215.88	69.44	14.69	38.15	338.16
	24	Pine	89.0	28.5	266.11	90.25	18.09	46.22	420.66
	25	Pine	93.0	29.0	291.87	101.33	19.83	50.30	463.34
	26	Pine	122.0	29.2	472.81	185.47	32.03	78.31	768.61
	27	Pine	97.0	28.5	309.50	109.06	21.02	53.08	492.66
	28	Pine	105.0	29.0	361.15	132.33	24.50	61.16	579.15
	29	Pine	88.0	28.0	256.86	86.34	17.46	44.74	405.40
	30	Pine	99.0	28.5	320.79	114.07	21.78	54.86	511.49
	31	Pine	87.0	28.4	254.91	85.52	17.33	44.43	402.19
	32	Pine	113.0	25.5	366.98	135.01	24.89	62.06	588.95
	33	Pine	148.0	30.0	679.57	292.21	45.93	109.23	1,126.94
	34	Pine	75.0	26.8	186.71	57.89	12.72	33.39	290.71
	35	Pine	105.0	29.3	363.88	133.59	24.69	61.58	583.74
	36	Pine	105.0	29.0	361.15	132.33	24.50	61.16	579.15
	37	Pine	130.0	29.1	526.97	212.47	35.67	86.50	861.61
	38	Pine	79.0	28.4	215.21	69.17	14.65	38.04	337.07
	39	Pine	96.0	28.3	302.05	105.78	20.51	51.91	480.26
	40	Pine	84.0	28.0	236.72	77.94	16.10	41.51	372.28
	41	Pine	83.0	28.6	236.15	77.71	16.06	41.42	371.34
	42	Pine	96.0	28.5	303.92	106.60	20.64	52.21	483.37
	43	Pine	100.0	28.7	328.50	117.52	22.30	56.07	524.39
	44	Pine	74.0	25.0	171.57	52.07	11.69	30.90	266.23
	45	Pine	104.0	30.4	370.14	136.47	25.11	62.55	594.27
	46	Pine	90.0	26.5	254.59	85.39	17.31	44.38	401.66
	47	Pine	121.0	30.5	484.18	191.08	32.79	80.03	788.09
	48	Pine	94.0	29.3	300.10	104.93	20.38	51.60	477.01
	49	Pine	109.0	30.5	403.09	151.87	27.33	67.65	649.93
	50	Pine	98.0	29.0	319.97	113.70	21.72	54.73	510.12
	51	Pine	99.0	32.1	356.08	130.01	24.16	60.37	570.62
	52	Pine	120.0	32.3	501.81	199.83	33.98	82.70	818.32
	53	Pine	127.0	29.8	516.47	207.18	34.97	84.92	843.54
	54	Pine	103.0	29.5	354.44	129.26	24.05	60.12	567.87
	55	Pine	85.0	28.5	245.47	81.57	16.69	42.92	386.65
	56	Pine	90.0	28.5	271.38	92.50	18.44	47.05	429.37
	57	Pine	101.0	29.3	340.42	122.88	23.10	57.93	544.33
	58	Pine	101.0	29.0	337.35	121.50	22.90	57.45	539.20
	59	Pine	88.0	28.3	259.27	87.36	17.62	45.13	409.38
	60	Pine	74.0	26.4	179.97	55.29	12.26	32.28	279.80
	61	Pine	143.0	28.6	613.51	257.07	41.49	99.45	1,011.52
	62	Pine	129.0	30.6	543.32	220.76	36.77	88.96	889.81
	63	Pine	137.0	31.5	619.38	260.16	41.89	100.32	1,021.75
	64	Pine	101.0	29.4	341.43	123.34	23.17	58.09	546.04
	65	Pine	140.0	32.5	661.27	282.39	44.70	106.52	1,094.89
	66	Pine	92.0	30.0	295.03	102.71	20.04	50.80	468.59

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm ³)				
					Stem	Branch	Leaf	Root	Total
	67	Pine	92.0	29.5	290.71	100.83	19.75	50.12	461.41
	68	Pine	78.0	28.3	209.81	67.00	14.28	37.16	328.25
	69	Pine	101.0	28.8	335.31	120.58	22.76	57.13	535.78
	70	Pine	109.0	30.0	397.29	149.13	26.94	66.75	640.11
	71	Pine	92.0	28.0	277.70	95.21	18.87	48.06	439.84
	72	Pine	89.0	29.5	274.28	93.74	18.64	47.52	434.18
	73	Pine	102.0	30.5	358.77	131.24	24.34	60.79	575.14
	74	Pine	96.0	30.0	317.91	112.79	21.58	54.41	506.69
	75	Pine	158.0	35.0	872.59	399.72	58.89	137.38	1,468.59
	76	Pine	80.0	27.8	215.93	69.46	14.69	38.15	338.25
	77	Pine	111.0	30.5	416.16	158.06	28.21	69.65	672.09
	78	Pine	97.0	28.4	308.55	108.64	20.95	52.93	491.07
	79	Pine	95.0	28.5	298.39	104.18	20.27	51.33	474.16
	80	Pine	133.0	28.5	538.56	218.34	36.45	88.24	881.60
	81	Pine	126.0	28.0	482.26	190.13	32.66	79.74	784.79
	82	Pine	74.0	28.0	189.51	58.98	12.91	33.85	295.25
	83	Pine	100.0	28.5	326.49	116.62	22.16	55.75	521.03
	84	Pine	117.0	29.0	436.69	167.89	29.59	72.80	706.97
		Mean	101.3	28.9	350.56	130.47	23.78	59.18	563.99
		S.D.	21.0	1.5	138.55	65.58	9.34	21.39	234.71
		C.V.	20.7	5.3	39.52	50.27	39.28	36.14	41.62
4	1	Pine	108.0	32.5	419.36	159.58	28.43	70.15	677.51
	2	Pine	88.0	31.0	280.86	96.57	19.08	48.56	445.07
	3	Pine	115.0	32.5	468.22	183.22	31.72	77.61	760.76
	4	Pine	93.0	32.0	318.20	112.92	21.60	54.45	507.18
	5	Pine	99.0	31.0	345.35	125.12	23.44	58.70	552.60
	6	Pine	96.0	30.5	322.56	114.86	21.90	55.14	514.45
	7	Pine	82.0	28.0	226.92	73.92	15.44	39.93	356.21
	8	Pine	128.0	32.5	565.04	231.88	38.23	92.21	927.36
	9	Pine	97.0	30.2	325.64	116.24	22.11	55.62	519.60
	10	Pine	76.0	31.0	217.14	69.95	14.78	38.35	340.22
	11	Pine	75.0	31.5	215.15	69.15	14.64	38.03	336.97
	12	Pine	106.0	30.2	380.51	141.28	25.81	64.16	611.76
	13	Pine	81.0	32.6	253.80	85.05	17.25	44.25	400.36
	14	Pine	113.0	30.2	425.70	162.62	28.85	71.12	688.29
	15	Pine	83.0	30.2	247.71	82.50	16.84	43.28	390.33
	16	Pine	82.0	30.2	242.49	80.33	16.49	42.44	381.75
	17	Pine	95.0	30.2	313.95	111.03	21.32	53.78	500.08
	18	Pine	79.0	32.3	240.94	79.69	16.39	42.19	379.20
	19	Pine	104.0	32.5	392.48	146.87	26.61	66.01	631.98
	20	Pine	84.0	32.0	266.15	90.27	18.09	46.22	420.73
	21	Pine	104.0	31.5	381.86	141.91	25.90	64.37	614.04
	22	Pine	94.0	30.0	306.38	107.69	20.81	52.59	487.47
	23	Pine	72.0	28.0	180.61	55.53	12.30	32.39	280.84
	24	Pine	131.0	30.2	551.78	225.08	37.34	90.23	904.43
	25	Pine	98.0	29.0	319.97	113.70	21.72	54.73	510.12
	26	Pine	119.0	30.0	463.45	180.88	31.40	76.88	752.62
	27	Pine	94.0	32.0	324.23	115.61	22.01	55.40	517.25
	28	Pine	65.0	30.5	162.70	48.72	11.09	29.43	251.94
	29	Pine	97.0	30.2	325.64	116.24	22.11	55.62	519.60
	30	Pine	91.0	32.0	306.29	107.65	20.80	52.58	487.32
	31	Pine	100.0	30.2	343.52	124.29	23.31	58.41	549.54
	32	Pine	96.0	32.5	341.05	123.17	23.15	58.03	545.39
	33	Pine	121.0	30.2	480.00	189.01	32.51	79.40	780.92
	34	Pine	119.0	30.5	470.23	184.20	31.85	77.91	764.19
	35	Pine	128.0	30.2	529.80	213.90	35.86	86.92	866.48
	36	Pine	103.0	31.7	377.54	139.90	25.61	63.70	606.74
	37	Pine	114.0	32.6	462.34	180.34	31.32	76.71	750.72

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm3)				
					Stem	Branch	Leaf	Root	Total
	38	Pine	97.0	30.8	331.31	118.78	22.49	56.51	529.08
	39	Pine	98.0	31.2	341.17	123.22	23.15	58.05	545.60
	40	Pine	78.0	30.0	220.83	71.44	15.03	38.95	346.24
	41	Pine	122.0	32.0	512.36	205.12	34.69	84.30	836.47
	42	Pine	95.0	32.0	330.31	118.33	22.42	56.35	527.41
	43	Pine	117.0	32.5	482.61	190.30	32.69	79.79	785.38
	44	Pine	103.0	32.5	385.88	143.79	26.17	64.99	620.83
	45	Pine	79.0	31.5	235.70	77.52	16.03	41.35	370.59
	46	Pine	81.0	32.0	249.69	83.33	16.98	43.59	393.60
	47	Pine	103.0	32.0	380.67	141.35	25.82	64.18	612.03
	48	Pine	102.0	32.5	379.33	140.73	25.73	63.98	609.77
	49	Pine	93.0	32.5	322.56	114.86	21.90	55.14	514.46
	50	Pine	135.0	30.2	581.69	240.47	39.35	94.70	956.21
	51	Pine	79.0	27.5	209.22	66.77	14.24	37.06	327.29
	52	Pine	111.0	31.5	428.11	163.77	29.02	71.49	692.38
	53	Pine	90.0	29.0	275.55	94.28	18.72	47.72	436.27
	54	Pine	88.0	30.0	272.89	93.15	18.54	47.30	431.88
	55	Pine	145.0	30.0	655.58	279.34	44.32	105.68	1,084.92
	56	Pine	71.0	30.0	187.23	58.10	12.75	33.48	291.56
	57	Pine	79.0	31.0	232.41	76.17	15.81	40.82	365.20
	58	Pine	100.0	30.1	342.52	123.84	23.25	58.26	547.86
	59	Pine	85.0	32.7	276.95	94.88	18.82	47.94	438.59
	60	Pine	93.0	32.0	318.20	112.92	21.60	54.45	507.18
	61	Pine	97.0	30.5	328.48	117.51	22.30	56.06	524.35
	62	Pine	78.0	30.2	222.12	71.97	15.11	39.16	348.35
	63	Pine	86.0	31.5	273.57	93.43	18.59	47.40	432.99
	64	Pine	118.0	31.0	469.97	184.08	31.83	77.87	763.76
	65	Pine	105.0	30.1	373.15	137.86	25.31	63.02	599.34
	66	Pine	79.0	31.5	235.70	77.52	16.03	41.35	370.59
	67	Pine	87.0	30.8	273.72	93.50	18.60	47.43	433.25
	68	Pine	94.0	31.5	319.78	113.62	21.71	54.70	509.82
	69	Pine	91.0	32.0	306.29	107.65	20.80	52.58	487.32
	70	Pine	113.0	32.5	454.02	176.28	30.76	75.45	736.52
	71	Pine	103.0	32.5	385.88	143.79	26.17	64.99	620.83
	72	Pine	68.0	30.1	174.08	53.03	11.86	31.31	270.28
	73	Pine	100.0	30.1	342.52	123.84	23.25	58.26	547.86
	74	Pine	106.0	30.2	380.51	141.28	25.81	64.16	611.76
	75	Pine	81.0	31.5	246.27	81.90	16.75	43.04	387.96
	76	Pine	125.0	28.0	475.56	186.83	32.21	78.72	773.32
	77	Pine	127.0	28.5	496.65	197.26	33.63	81.92	809.47
	78	Pine	118.0	28.0	429.82	164.59	29.13	71.75	695.28
	79	Pine	114.0	28.0	404.57	152.57	27.43	67.87	652.44
	80	Pine	135.0	29.0	561.36	229.98	37.98	91.66	920.99
	81	Pine	115.0	28.0	410.82	155.52	27.85	68.83	663.03
	82	Pine	101.0	28.0	327.12	116.90	22.21	55.85	522.08
	83	Pine	112.0	28.5	398.34	149.62	27.01	66.91	641.89
		Mean	99.1	30.7	349.86	128.96	23.73	59.20	561.76
		S.D.	17.3	1.4	105.70	48.81	7.13	16.41	178.02
		C.V.	17.5	4.6	30.21	37.85	30.04	27.73	31.69
5	1	Pine	121.0	27.5	442.13	170.52	29.96	73.63	716.24
	2	Pine	117.0	29.2	439.33	169.16	29.77	73.20	711.46
	3	Pine	78.0	27.3	203.29	64.40	13.84	36.10	317.63
	4	Pine	107.0	27.5	356.31	130.11	24.18	60.41	571.01
	5	Pine	104.0	27.5	338.97	122.23	23.01	57.70	541.90
	6	Pine	130.0	30.5	549.15	223.74	37.16	89.83	899.88
	7	Pine	125.0	31.0	519.99	208.95	35.20	85.45	849.59
	8	Pine	117.0	28.5	430.07	164.71	29.15	71.79	695.72
	9	Pine	140.0	30.0	616.42	258.60	41.69	99.88	1,016.58

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm ³)				
					Stem	Branch	Leaf	Root	Total
	10	Pine	160.0	32.0	824.61	372.37	55.67	130.44	1,383.09
	11	Pine	136.0	28.0	551.43	224.90	37.32	90.17	903.82
	12	Pine	157.0	28.0	709.47	308.41	47.94	113.63	1,179.45
	13	Pine	110.0	30.5	409.61	154.95	27.77	68.65	660.97
	14	Pine	145.0	32.0	693.77	299.89	46.89	111.32	1,151.87
	15	Pine	130.0	30.5	549.15	223.74	37.16	89.83	899.88
	16	Pine	83.0	27.0	224.52	72.94	15.27	39.54	352.28
	17	Pine	115.0	27.5	404.38	152.47	27.42	67.84	652.11
	18	Pine	118.0	27.8	427.12	163.29	28.95	71.34	690.70
	19	Pine	146.0	27.8	620.64	260.82	41.97	100.50	1,023.93
	20	Pine	128.0	28.0	495.77	196.83	33.57	81.79	807.96
	21	Pine	146.0	32.0	702.19	304.46	47.45	112.56	1,166.66
	22	Pine	107.0	30.0	384.58	143.18	26.08	64.79	618.63
	23	Pine	138.0	32.0	636.07	268.97	43.01	102.79	1,050.84
	24	Pine	130.0	30.5	549.15	223.74	37.16	89.83	899.88
	25	Pine	131.0	29.0	532.49	215.26	36.04	87.33	871.13
	26	Pine	104.0	29.0	355.14	129.58	24.10	60.22	569.03
	27	Pine	109.0	27.0	362.20	132.82	24.57	61.32	580.92
	28	Pine	73.0	28.0	185.04	57.24	12.60	33.12	288.00
	29	Pine	142.0	24.5	529.06	213.53	35.81	86.81	865.22
	30	Pine	133.0	37.3	682.00	293.52	46.10	109.58	1,131.20
	31	Pine	148.0	35.5	787.74	351.63	53.20	125.08	1,317.64
	32	Pine	145.0	12.5	304.08	106.67	20.65	52.23	483.64
	33	Pine	85.0	35.0	293.97	102.25	19.97	50.64	466.82
	34	Pine	126.0	34.0	571.84	235.38	38.69	93.23	939.13
	35	Pine	135.0	35.0	662.07	282.82	44.76	106.64	1,096.28
	36	Pine	140.0	34.5	696.85	301.56	47.09	111.77	1,157.27
	37	Pine	142.0	33.4	694.39	300.22	46.93	111.41	1,152.94
	38	Pine	140.0	30.0	616.42	258.60	41.69	99.88	1,016.58
	39	Pine	120.0	32.0	497.71	197.79	33.70	82.08	811.29
	40	Pine	147.0	32.0	710.66	309.06	48.02	113.80	1,181.54
	41	Pine	132.0	33.5	612.47	256.52	41.42	99.29	1,009.70
	42	Pine	146.0	30.5	673.23	288.80	45.51	108.29	1,115.82
	43	Pine	122.0	32.5	519.38	208.64	35.16	85.35	848.54
	44	Pine	150.0	31.0	716.07	312.02	48.38	114.60	1,191.07
	45	Pine	130.0	22.0	412.28	156.22	27.95	69.06	665.51
	46	Pine	135.0	32.5	620.39	260.68	41.95	100.47	1,023.49
	47	Pine	142.0	32.0	668.78	286.41	45.21	107.63	1,108.03
	48	Pine	155.0	32.0	779.92	347.26	52.67	123.94	1,303.79
	49	Pine	148.0	32.0	719.16	313.70	48.59	115.05	1,196.51
	50	Pine	135.0	31.0	595.19	247.48	40.26	96.72	979.65
	51	Pine	129.0	30.0	533.96	216.01	36.14	87.55	873.66
	52	Pine	132.0	30.0	555.94	227.21	37.62	90.85	911.62
	53	Pine	135.0	30.0	578.31	238.72	39.13	94.20	950.35
	54	Pine	128.0	29.0	511.28	204.57	34.62	84.13	834.60
	55	Pine	132.0	29.0	539.65	218.89	36.52	88.40	883.47
	56	Pine	125.0	29.0	490.43	194.18	33.21	80.98	798.80
	57	Pine	128.0	29.0	511.28	204.57	34.62	84.13	834.60
	58	Pine	131.0	29.5	540.54	219.35	36.58	88.54	885.01
	59	Pine	130.0	29.0	525.38	211.67	35.56	86.26	858.87
	60	Pine	127.0	28.0	489.00	193.46	33.12	80.76	796.34
	61	Pine	125.0	28.0	475.56	186.83	32.21	78.72	773.32
	62	Pine	134.0	28.0	537.28	217.69	36.37	88.05	879.38
		Mean	128.4	29.8	534.92	219.07	36.20	87.44	877.63
		S.D.	18.2	3.5	143.93	71.65	9.69	21.82	247.02
		C.V.	14.1	11.7	26.91	32.71	26.77	24.95	28.15

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm ³)				
					Stem	Branch	Leaf	Root	Total
6	1	Pine	127.0	30.5	527.10	212.54	35.68	86.52	861.84
	2	Pine	176.0	32.4	985.43	465.52	66.46	153.60	1,671.01
	3	Pine	94.0	31.0	315.32	111.64	21.41	54.00	502.38
	4	Pine	110.0	30.6	410.78	155.51	27.85	68.83	662.97
	5	Pine	110.0	25.5	350.05	127.26	23.75	59.43	560.49
	6	Pine	115.0	28.5	417.25	158.58	28.28	69.82	673.94
	7	Pine	116.0	28.5	423.64	161.63	28.71	70.80	684.79
	8	Pine	85.0	27.5	237.90	78.43	16.18	41.70	374.21
	9	Pine	136.0	29.5	577.27	238.18	39.06	94.04	948.55
	10	Pine	130.0	30.0	541.24	219.71	36.63	88.64	886.23
	11	Pine	97.0	28.0	304.73	106.96	20.69	52.33	484.72
	12	Pine	139.0	32.5	653.01	277.97	44.15	105.30	1,080.43
	13	Pine	83.0	30.0	246.27	81.90	16.75	43.04	387.96
	14	Pine	132.0	31.5	580.26	239.73	39.26	94.49	953.74
	15	Pine	106.0	28.5	361.65	132.56	24.54	61.24	579.98
	16	Pine	108.0	28.5	373.71	138.12	25.35	63.11	600.29
	17	Pine	127.0	29.5	511.91	204.89	34.66	84.23	835.68
	18	Pine	114.0	28.5	410.91	155.56	27.86	68.85	663.17
	19	Pine	105.0	20.5	266.38	90.37	18.10	46.26	421.11
	20	Pine	87.0	30.5	271.38	92.50	18.44	47.06	429.38
	21	Pine	116.0	30.0	443.15	171.01	30.03	73.79	717.97
	22	Pine	113.0	29.0	410.82	155.52	27.85	68.83	663.03
	23	Pine	123.0	30.5	498.32	198.09	33.74	82.17	812.33
	24	Pine	146.0	33.0	721.41	314.93	48.74	115.38	1,200.47
	25	Pine	125.0	30.5	512.62	205.25	34.71	84.33	836.91
	26	Pine	122.0	29.0	469.96	184.07	31.83	77.87	763.74
	27	Pine	112.0	28.5	398.34	149.62	27.01	66.91	641.89
	28	Pine	79.0	27.5	209.22	66.77	14.24	37.06	327.29
	29	Pine	98.0	28.0	310.26	109.40	21.07	53.21	493.94
	30	Pine	157.0	30.5	764.76	338.82	51.65	121.72	1,276.96
	31	Pine	100.0	28.0	321.46	114.37	21.82	54.96	512.62
	32	Pine	88.0	27.8	255.25	85.66	17.35	44.48	402.75
	33	Pine	88.0	28.0	256.86	86.34	17.46	44.74	405.40
	34	Pine	131.0	29.0	532.49	215.26	36.04	87.33	871.13
	35	Pine	134.0	32.5	612.34	256.46	41.41	99.27	1,009.48
	36	Pine	125.0	31.5	527.34	212.66	35.70	86.55	862.25
	37	Pine	136.0	32.0	619.98	260.47	41.93	100.41	1,022.78
	38	Pine	87.0	29.0	259.63	87.51	17.65	45.18	409.97
	39	Pine	100.0	29.0	331.51	118.87	22.50	56.54	529.43
	40	Pine	133.0	30.0	563.35	231.01	38.12	91.96	924.45
	41	Pine	95.0	29.5	307.55	108.20	20.89	52.78	489.42
	42	Pine	115.0	29.5	430.07	164.71	29.15	71.79	695.72
	43	Pine	128.0	30.0	526.72	212.34	35.65	86.46	861.17
	44	Pine	110.0	28.5	385.94	143.81	26.17	65.00	620.92
	45	Pine	118.0	28.5	436.54	167.82	29.58	72.78	706.73
	46	Pine	140.0	29.0	598.35	249.13	40.47	97.19	985.15
	47	Pine	130.0	29.0	525.38	211.67	35.56	86.26	858.87
	48	Pine	139.0	30.0	608.71	254.55	41.17	98.73	1,003.17
	49	Pine	108.0	28.0	367.95	135.46	24.96	62.21	590.59
	50	Pine	127.0	28.0	489.00	193.46	33.12	80.76	796.34
	51	Pine	114.0	28.0	404.57	152.57	27.43	67.87	652.44
	52	Pine	101.0	20.0	243.49	80.75	16.56	42.60	383.40
	53	Pine	94.0	22.0	233.38	76.57	15.87	40.97	366.80
	54	Pine	113.0	28.0	398.37	149.64	27.01	66.92	641.93
	55	Pine	123.0	28.0	462.29	180.31	31.32	76.71	750.63
	56	Pine	149.0	30.0	687.64	296.57	46.47	110.42	1,141.11
	57	Pine	119.0	28.0	436.23	167.67	29.56	72.73	706.19

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm ³)				
					Stem	Branch	Leaf	Root	Total
	58	Pine	115.0	27.0	397.92	149.43	26.98	66.85	641.18
	59	Pine	116.0	28.0	417.11	158.51	28.27	69.80	673.70
	60	Pine	120.0	28.0	442.68	170.78	30.00	73.72	717.18
	61	Pine	131.0	29.0	532.49	215.26	36.04	87.33	871.13
	62	Pine	135.0	29.0	561.36	229.98	37.98	91.66	920.99
	63	Pine	127.0	29.0	504.29	201.07	34.14	83.08	822.58
	64	Pine	136.0	29.0	568.67	233.75	38.48	92.76	933.66
	65	Pine	134.0	29.0	554.08	226.25	37.50	90.57	908.40
	66	Pine	115.0	29.0	423.67	161.64	28.72	70.81	684.83
	67	Pine	115.0	28.5	417.25	158.58	28.28	69.82	673.94
	68	Pine	127.0	29.5	511.91	204.89	34.66	84.23	835.68
	69	Pine	127.0	29.5	511.91	204.89	34.66	84.23	835.68
	70	Pine	115.0	29.0	423.67	161.64	28.72	70.81	684.83
	71	Pine	117.0	29.0	436.69	167.89	29.59	72.80	706.97
	72	Pine	128.0	29.0	511.28	204.57	34.62	84.13	834.60
	73	Pine	136.0	29.0	568.67	233.75	38.48	92.76	933.66
	74	Pine	129.0	29.0	518.31	208.10	35.09	85.19	846.69
	75	Pine	137.0	29.0	576.03	237.54	38.97	93.86	946.41
		Mean	118.6	28.9	456.07	179.81	30.89	75.50	742.27
		S.D.	18.1	2.1	138.67	68.70	9.34	21.06	237.67
		C.V.	15.3	7.4	30.41	38.21	30.23	27.89	32.02
7	1	Pine	119.0	28.0	436.23	167.67	29.56	72.73	706.19
	2	Pine	115.0	29.5	430.07	164.71	29.15	71.79	695.72
	3	Pine	115.0	30.0	436.46	167.78	29.58	72.77	706.59
	4	Pine	103.0	29.5	354.44	129.26	24.05	60.12	567.87
	5	Pine	94.0	27.5	283.86	97.86	19.29	49.04	450.04
	6	Pine	88.0	27.5	252.83	84.65	17.19	44.10	398.76
	7	Pine	66.0	25.5	142.82	41.38	9.74	26.11	220.05
	8	Pine	122.0	29.5	477.07	187.57	32.31	78.95	775.90
	9	Pine	80.0	25.3	198.80	62.63	13.53	35.37	310.33
	10	Pine	100.0	30.0	341.52	123.38	23.18	58.10	546.19
	11	Pine	108.0	31.0	402.32	151.50	27.28	67.53	648.63
	12	Pine	81.0	29.5	232.49	76.20	15.81	40.83	365.34
	13	Pine	96.0	30.0	317.91	112.79	21.58	54.41	506.69
	14	Pine	122.0	31.5	505.33	201.60	34.22	83.23	824.38
	15	Pine	101.0	31.0	357.69	130.74	24.27	60.62	573.32
	16	Pine	134.0	31.5	595.78	247.79	40.30	96.80	980.68
	17	Pine	98.0	30.0	329.63	118.02	22.38	56.24	526.27
	18	Pine	94.0	29.3	300.10	104.93	20.38	51.60	477.01
	19	Pine	71.0	26.5	167.92	50.69	11.44	30.29	260.35
	20	Pine	100.0	29.3	334.52	120.22	22.71	57.01	534.46
	21	Pine	104.0	30.5	371.21	136.97	25.18	62.72	596.07
	22	Pine	91.0	29.0	280.94	96.60	19.09	48.57	445.21
	23	Pine	115.0	30.5	442.84	170.86	30.01	73.74	717.45
	24	Pine	134.0	32.0	604.07	252.12	40.86	98.04	995.09
	25	Pine	111.0	31.0	422.14	160.91	28.61	70.57	682.24
	26	Pine	147.0	32.4	718.45	313.31	48.54	114.94	1,195.24
	27	Pine	104.0	29.3	358.36	131.05	24.31	60.73	574.45
	28	Pine	115.0	30.5	442.84	170.86	30.01	73.74	717.45
	29	Pine	88.0	29.5	268.90	91.44	18.27	46.66	425.27
	30	Pine	125.0	30.5	512.62	205.25	34.71	84.33	836.91
	31	Pine	93.0	29.5	296.28	103.26	20.12	51.00	470.66
	32	Pine	142.0	31.2	654.09	278.55	44.22	105.46	1,082.32
	33	Pine	84.0	29.0	244.13	81.01	16.60	42.70	384.44
	34	Pine	114.0	30.5	436.10	167.61	29.55	72.71	705.98
	35	Pine	94.0	29.5	301.90	105.71	20.50	51.89	480.00
	36	Pine	127.0	30.5	527.10	212.54	35.68	86.52	861.84
	37	Pine	142.0	31.5	659.60	281.50	44.59	106.28	1,091.97

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm ³)				
					Stem	Branch	Leaf	Root	Total
	38	Pine	114.0	29.5	423.53	161.58	28.71	70.79	684.60
	39	Pine	91.0	28.5	276.69	94.77	18.80	47.90	438.16
	40	Pine	121.0	30.5	484.18	191.08	32.79	80.03	788.09
	41	Pine	108.0	30.5	396.63	148.82	26.89	66.65	638.99
	42	Pine	122.0	30.0	484.15	191.07	32.79	80.03	788.04
	43	Pine	112.0	30.2	419.11	159.47	28.41	70.11	677.10
	44	Pine	119.0	30.5	470.23	184.20	31.85	77.91	764.19
	45	Pine	79.0	20.5	161.68	48.34	11.02	29.26	250.29
	46	Pine	98.0	29.0	319.97	113.70	21.72	54.73	510.12
	47	Pine	95.0	28.5	298.39	104.18	20.27	51.33	474.16
	48	Pine	79.0	28.0	212.55	68.10	14.47	37.61	332.73
	49	Pine	126.0	30.5	519.84	208.88	35.19	85.42	849.33
	50	Pine	87.0	27.5	247.81	82.55	16.85	43.29	390.50
	51	Pine	126.0	29.6	506.36	202.11	34.28	83.39	826.14
	52	Pine	98.0	25.5	285.82	98.71	19.42	49.35	453.29
	53	Pine	134.0	30.5	579.15	239.16	39.18	94.32	951.81
	54	Pine	106.0	28.0	356.07	130.01	24.16	60.37	570.61
	55	Pine	133.0	29.0	546.84	222.56	37.01	89.48	895.89
	56	Pine	133.0	30.0	563.35	231.01	38.12	91.96	924.45
	57	Pine	93.0	29.5	296.28	103.26	20.12	51.00	470.66
	58	Pine	92.0	28.7	283.78	97.83	19.28	49.02	449.92
	59	Pine	91.0	28.5	276.69	94.77	18.80	47.90	438.16
	60	Pine	105.0	28.0	350.20	127.32	23.76	59.46	560.74
	61	Pine	119.0	29.5	456.67	177.57	30.94	75.85	741.03
	62	Pine	109.0	29.5	391.47	146.40	26.55	65.85	630.27
	63	Pine	120.0	28.0	442.68	170.78	30.00	73.72	717.18
	64	Pine	116.0	29.0	430.16	164.75	29.15	71.80	695.86
	65	Pine	105.0	29.0	361.15	132.33	24.50	61.16	579.15
	66	Pine	100.0	27.5	316.42	112.13	21.48	54.17	504.20
	67	Pine	115.0	30.0	436.46	167.78	29.58	72.77	706.59
	68	Pine	133.0	30.0	563.35	231.01	38.12	91.96	924.45
	69	Pine	111.0	30.0	410.17	155.21	27.81	68.73	661.93
	70	Pine	147.0	32.0	710.66	309.06	48.02	113.80	1,181.54
	71	Pine	115.0	31.0	449.20	173.94	30.44	74.71	728.29
	72	Pine	126.0	30.0	512.36	205.11	34.69	84.29	836.45
	73	Pine	144.0	31.0	666.57	285.23	45.06	107.31	1,104.16
	74	Pine	112.0	30.0	416.68	158.31	28.24	69.73	672.96
	75	Pine	125.0	29.0	490.43	194.18	33.21	80.98	798.80
	76	Pine	127.0	29.0	504.29	201.07	34.14	83.08	822.58
	77	Pine	120.0	28.0	442.68	170.78	30.00	73.72	717.18
	78	Pine	134.0	29.0	554.08	226.25	37.50	90.57	908.40
	79	Pine	98.0	25.0	280.89	96.58	19.09	48.57	445.13
		Mean	109.8	29.3	405.51	155.48	27.48	67.75	656.22
		S.D.	18.4	1.8	129.88	61.69	8.75	19.99	220.25
		C.V.	16.8	6.2	32.03	39.68	31.85	29.51	33.56
8	1	Pine	150.0	35.0	796.54	356.56	53.79	126.36	1,333.25
	2	Pine	123.0	34.0	548.16	223.23	37.10	89.68	898.16
	3	Pine	124.0	35.5	577.47	238.29	39.07	94.07	948.90
	4	Pine	138.0	32.5	644.78	273.59	43.59	104.09	1,066.06
	5	Pine	149.0	35.5	797.11	356.88	53.83	126.44	1,334.25
	6	Pine	120.0	35.5	545.18	221.71	36.90	89.23	893.02
	7	Pine	106.0	31.5	394.85	147.98	26.77	66.37	635.98
	8	Pine	136.0	34.6	663.97	283.83	44.88	106.92	1,099.61
	9	Pine	170.0	35.0	992.22	469.54	66.91	154.57	1,683.24
	10	Pine	96.0	29.0	308.59	108.66	20.96	52.94	491.16
	11	Pine	110.0	30.5	409.61	154.95	27.77	68.65	660.97
	12	Pine	140.0	30.6	627.23	264.29	42.41	101.48	1,035.41

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree (m)	Amount of water storage/tree (cm3)				
					Stem	Branch	Leaf	Root	Total
	13	Pine	155.0	30.0	736.98	323.47	49.79	117.66	1,227.90
	14	Pine	111.0	28.5	392.12	146.70	26.59	65.95	631.36
	15	Pine	123.0	33.2	536.82	217.46	36.33	87.98	878.60
	16	Pine	119.0	33.5	510.58	204.22	34.57	84.03	833.39
	17	Pine	130.0	30.5	549.15	223.74	37.16	89.83	899.88
	18	Pine	96.0	28.5	303.92	106.60	20.64	52.21	483.37
	19	Pine	143.0	30.5	649.14	275.91	43.89	104.73	1,073.66
	20	Pine	134.0	29.0	554.08	226.25	37.50	90.57	908.40
	21	Pine	64.0	18.0	99.68	26.37	6.81	18.77	151.63
	22	Pine	130.0	30.5	549.15	223.74	37.16	89.83	899.88
	23	Pine	137.0	30.5	602.10	251.09	40.72	97.75	991.66
	24	Pine	135.0	31.5	603.60	251.88	40.83	97.97	994.28
	25	Pine	128.0	30.0	526.72	212.34	35.65	86.46	861.17
	26	Pine	127.0	30.5	527.10	212.54	35.68	86.52	861.84
	27	Pine	138.0	32.0	636.07	268.97	43.01	102.79	1,050.84
	28	Pine	144.0	33.5	713.51	310.62	48.21	114.22	1,186.56
	29	Pine	146.0	30.5	673.23	288.80	45.51	108.29	1,115.82
	30	Pine	148.0	31.6	711.27	309.39	48.06	113.89	1,182.61
	31	Pine	150.0	32.5	746.39	328.66	50.42	119.04	1,244.51
	32	Pine	149.0	32.7	741.66	326.05	50.10	118.35	1,236.16
	33	Pine	150.0	33.0	756.46	334.22	51.10	120.51	1,262.29
	34	Pine	120.0	32.0	497.71	197.79	33.70	82.08	811.29
	35	Pine	116.0	31.5	462.53	180.43	31.33	76.74	751.04
	36	Pine	136.0	31.7	614.88	257.79	41.58	99.65	1,013.90
	37	Pine	131.0	30.5	556.59	227.54	37.66	90.95	912.74
	38	Pine	147.0	30.5	681.34	293.17	46.05	109.49	1,130.04
	39	Pine	138.0	31.0	618.59	259.74	41.83	100.20	1,020.37
	40	Pine	144.0	31.5	675.99	290.29	45.69	108.70	1,120.67
	41	Pine	146.0	30.5	673.23	288.80	45.51	108.29	1,115.82
	42	Pine	149.0	31.0	707.72	307.46	47.82	113.37	1,176.37
	43	Pine	138.0	31.0	618.59	259.74	41.83	100.20	1,020.37
	44	Pine	126.0	31.0	527.31	212.64	35.69	86.55	862.20
	45	Pine	152.0	31.5	743.28	326.94	50.21	118.58	1,239.01
	46	Pine	110.0	30.0	403.71	152.16	27.37	67.74	650.97
	47	Pine	106.0	30.0	378.30	140.25	25.66	63.82	608.03
	48	Pine	112.0	29.0	404.46	152.51	27.42	67.86	652.26
	49	Pine	123.0	30.0	491.14	194.53	33.26	81.09	800.01
	50	Pine	115.0	30.0	436.46	167.78	29.58	72.77	706.59
	51	Pine	135.0	30.5	586.76	243.10	39.69	95.46	965.01
	52	Pine	96.0	18.5	208.01	66.28	14.16	36.87	325.32
	53	Pine	143.0	29.0	621.04	261.03	42.00	100.56	1,024.62
	54	Pine	68.0	18.0	110.87	30.13	7.57	20.70	169.27
	55	Pine	128.0	28.0	495.77	196.83	33.57	81.79	807.96
	56	Pine	124.0	28.5	476.24	187.16	32.26	78.83	774.49
	57	Pine	110.0	28.0	379.99	141.04	25.77	64.08	610.88
	58	Pine	108.0	28.0	367.95	135.46	24.96	62.21	590.59
	59	Pine	139.0	28.0	572.96	235.96	38.77	93.40	941.07
	60	Pine	142.0	28.5	604.14	252.16	40.86	98.05	995.22
	61	Pine	139.0	28.5	581.92	240.59	39.37	94.74	956.62
	62	Pine	127.0	28.5	496.65	197.26	33.63	81.92	809.47
	63	Pine	141.0	29.0	605.87	253.06	40.98	98.31	998.23
	64	Pine	132.0	28.5	531.47	214.75	35.97	87.18	869.37
	65	Pine	140.0	28.5	589.29	244.42	39.86	95.84	969.41
	66	Pine	142.0	29.0	613.44	257.03	41.49	99.43	1,011.38
	67	Pine	128.0	28.0	495.77	196.83	33.57	81.79	807.96
	68	Pine	142.0	28.5	604.14	252.16	40.86	98.05	995.22
	69	Pine	147.0	29.5	661.70	282.62	44.73	106.59	1,095.63
	70	Pine	129.0	28.0	502.59	200.23	34.03	82.82	819.67

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm ³)				
					Stem	Branch	Leaf	Root	Total
	71	Pine	101.0	22.0	264.73	89.67	17.99	46.00	418.39
	72	Pine	122.0	23.0	383.47	142.66	26.01	64.62	616.75
	73	Pine	132.0	26.0	490.34	194.13	33.21	80.96	798.64
	74	Pine	138.0	28.0	565.74	232.24	38.28	92.32	928.58
		Mean	129.5	29.9	550.38	227.36	37.24	89.71	904.69
		S.D.	18.7	3.5	154.52	76.73	10.40	23.48	264.97
		C.V.	14.5	11.6	28.07	33.75	27.94	26.17	29.29
9	1	Pine	83.0	30.0	246.27	81.90	16.75	43.04	387.96
	2	Pine	154.0	30.0	728.65	318.90	49.23	116.44	1,213.22
	3	Pine	148.0	30.0	679.57	292.21	45.93	109.23	1,126.94
	4	Pine	139.0	30.0	608.71	254.55	41.17	98.73	1,003.17
	5	Pine	98.0	30.0	329.63	118.02	22.38	56.24	526.27
	6	Pine	132.0	30.0	555.94	227.21	37.62	90.85	911.62
	7	Pine	98.0	30.0	329.63	118.02	22.38	56.24	526.27
	8	Pine	132.0	30.0	555.94	227.21	37.62	90.85	911.62
	9	Pine	136.0	30.0	585.85	242.63	39.63	95.32	963.43
	10	Pine	107.0	30.0	384.58	143.18	26.08	64.79	618.63
	11	Pine	147.0	30.0	671.53	287.89	45.39	108.04	1,112.85
	12	Pine	95.0	30.0	312.12	110.22	21.19	53.50	497.04
	13	Pine	100.0	30.0	341.52	123.38	23.18	58.10	546.19
	14	Pine	143.0	30.0	639.79	270.94	43.26	103.35	1,057.33
	15	Pine	147.0	30.0	671.53	287.89	45.39	108.04	1,112.85
	16	Pine	139.0	30.0	608.71	254.55	41.17	98.73	1,003.17
	17	Pine	97.0	30.0	323.75	115.39	21.98	55.32	516.44
	18	Pine	125.0	30.0	505.24	201.55	34.21	83.22	824.22
	19	Pine	116.0	30.0	443.15	171.01	30.03	73.79	717.97
	20	Pine	121.0	30.0	477.21	187.64	32.32	78.97	776.15
	21	Pine	158.0	30.0	762.19	337.40	51.48	121.35	1,272.43
	22	Pine	105.0	30.0	372.06	137.36	25.24	62.85	597.51
	23	Pine	96.0	30.0	317.91	112.79	21.58	54.41	506.69
	24	Pine	130.0	30.0	541.24	219.71	36.63	88.64	886.23
	25	Pine	114.0	30.0	429.82	164.59	29.13	71.75	695.29
	26	Pine	113.0	30.0	423.23	161.43	28.69	70.74	684.09
	27	Pine	86.0	30.0	262.10	88.55	17.82	45.58	414.05
	28	Pine	100.0	30.0	341.52	123.38	23.18	58.10	546.19
	29	Pine	106.0	30.0	378.30	140.25	25.66	63.82	608.03
	30	Pine	82.0	30.0	241.08	79.75	16.39	42.21	379.44
	31	Pine	98.0	30.0	329.63	118.02	22.38	56.24	526.27
	32	Pine	67.0	25.0	144.11	41.85	9.83	26.33	222.12
	33	Pine	136.0	30.0	585.85	242.63	39.63	95.32	963.43
	34	Pine	91.0	30.0	289.43	100.27	19.66	49.92	459.28
	35	Pine	110.0	30.0	403.71	152.16	27.37	67.74	650.97
	36	Pine	94.0	30.0	306.38	107.69	20.81	52.59	487.47
	37	Pine	127.0	30.0	519.51	208.71	35.17	85.37	848.77
	38	Pine	144.0	30.0	647.66	275.12	43.79	104.51	1,071.09
	39	Pine	135.0	30.0	578.31	238.72	39.13	94.20	950.35
	40	Pine	108.0	30.0	390.91	146.14	26.51	65.77	629.33
	41	Pine	96.0	30.0	317.91	112.79	21.58	54.41	506.69
	42	Pine	92.0	28.0	277.70	95.21	18.87	48.06	439.84
	43	Pine	89.0	30.0	278.36	95.49	18.91	48.16	440.92
	44	Pine	77.0	25.0	183.96	56.83	12.53	32.94	286.26
	45	Pine	104.0	30.0	365.86	134.50	24.82	61.89	587.07
	46	Pine	99.0	30.0	335.55	120.69	22.77	57.17	536.19
	47	Pine	103.0	30.0	359.71	131.67	24.40	60.94	576.72
	48	Pine	102.0	30.0	353.60	128.88	23.99	59.99	566.46
	49	Pine	135.0	30.0	578.31	238.72	39.13	94.20	950.35

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm3)				
					Stem	Branch	Leaf	Root	Total
	50	Pine	78.0	30.0	220.83	71.44	15.03	38.95	346.24
	51	Pine	134.0	30.0	570.81	234.85	38.62	93.08	937.36
	52	Pine	135.0	30.0	578.31	238.72	39.13	94.20	950.35
	53	Pine	108.0	30.0	390.91	146.14	26.51	65.77	629.33
	54	Pine	147.0	30.0	671.53	287.89	45.39	108.04	1,112.85
	55	Pine	141.0	30.0	624.17	262.68	42.21	101.03	1,030.08
	56	Pine	140.0	30.0	616.42	258.60	41.69	99.88	1,016.58
	57	Pine	104.0	30.0	365.86	134.50	24.82	61.89	587.07
	58	Pine	142.0	30.0	631.96	266.79	42.73	102.18	1,043.67
	59	Pine	121.0	30.0	477.21	187.64	32.32	78.97	776.15
	60	Pine	116.0	30.0	443.15	171.01	30.03	73.79	717.97
	61	Pine	114.0	30.0	429.82	164.59	29.13	71.75	695.29
	62	Pine	113.0	30.0	423.23	161.43	28.69	70.74	684.09
		Mean	115.3	29.8	447.73	176.32	30.33	74.17	728.55
		S.D.	22.2	0.9	150.61	73.12	10.15	23.01	256.83
		C.V.	19.3	3.1	33.64	41.47	33.45	31.03	35.25
10	1	Pine	109.0	29.0	385.64	143.67	26.15	64.95	620.42
	2	Pine	93.0	30.0	300.68	105.18	20.42	51.70	477.98
	3	Pine	61.0	25.0	122.23	34.05	8.35	22.64	187.27
	4	Pine	116.0	33.0	481.80	189.90	32.63	79.67	784.01
	5	Pine	80.0	32.0	244.31	81.09	16.61	42.73	384.74
	6	Pine	133.0	35.0	644.95	273.68	43.61	104.11	1,066.35
	7	Pine	125.0	35.0	578.42	238.78	39.13	94.21	950.55
	8	Pine	126.0	32.0	542.21	220.20	36.70	88.79	887.90
	9	Pine	105.0	29.0	361.15	132.33	24.50	61.16	579.15
	10	Pine	99.0	29.0	325.72	116.27	22.11	55.63	519.73
	11	Pine	117.0	31.0	463.00	180.66	31.37	76.81	751.85
	12	Pine	98.0	30.0	329.63	118.02	22.38	56.24	526.27
	13	Pine	123.0	31.5	512.62	205.25	34.71	84.33	836.91
	14	Pine	82.0	28.0	226.92	73.92	15.44	39.93	356.21
	15	Pine	126.0	31.0	527.31	212.64	35.69	86.55	862.20
	16	Pine	90.0	28.0	267.19	90.72	18.16	46.39	422.46
	17	Pine	129.0	30.0	533.96	216.01	36.14	87.55	873.66
	18	Pine	94.0	28.0	288.38	99.82	19.59	49.75	457.55
	19	Pine	122.0	30.0	484.15	191.07	32.79	80.03	788.04
	20	Pine	107.0	30.0	384.58	143.18	26.08	64.79	618.63
	21	Pine	120.0	31.0	484.04	191.01	32.78	80.01	787.84
	22	Pine	77.0	26.0	190.41	59.33	12.97	34.00	296.70
	23	Pine	105.0	29.0	361.15	132.33	24.50	61.16	579.15
	24	Pine	96.0	27.0	289.84	100.45	19.69	49.98	459.96
	25	Pine	93.0	25.0	256.23	86.08	17.42	44.64	404.36
	26	Pine	101.0	27.0	316.85	112.32	21.51	54.24	504.92
	27	Pine	70.0	22.0	139.11	40.04	9.49	25.49	214.13
	28	Pine	109.0	25.0	338.55	122.04	22.98	57.64	541.21
	29	Pine	136.0	28.0	551.43	224.90	37.32	90.17	903.82
	30	Pine	130.0	30.0	541.24	219.71	36.63	88.64	886.23
	31	Pine	115.0	28.0	410.82	155.52	27.85	68.83	663.03
	32	Pine	103.0	27.0	327.94	117.27	22.26	55.98	523.45
	33	Pine	110.0	28.0	379.99	141.04	25.77	64.08	610.88
	34	Pine	66.0	25.0	140.36	40.49	9.58	25.70	216.12
	35	Pine	121.0	30.0	477.21	187.64	32.32	78.97	776.15
	36	Pine	62.0	22.0	112.43	30.66	7.68	20.97	171.73
	37	Pine	87.0	26.0	235.91	77.61	16.05	41.38	370.94
	38	Pine	114.0	28.0	404.57	152.57	27.43	67.87	652.44
	39	Pine	92.0	23.0	233.67	76.69	15.89	41.02	367.28
	40	Pine	114.0	30.0	429.82	164.59	29.13	71.75	695.29

Table B.3-1 (Continued)

Plot	Tree no.	Plant name	Stem GBH (cm)	Tree height (m)	Amount of water storage/tree (cm ³)				
					Stem	Branch	Leaf	Root	Total
	41	Pine	62.0	24.0	121.35	33.74	8.29	22.49	185.86
	42	Pine	100.0	26.0	301.22	105.42	20.46	51.78	478.88
	43	Pine	119.0	27.0	422.53	161.10	28.64	70.63	682.89
	44	Pine	103.0	28.0	338.58	122.05	22.98	57.64	541.25
	45	Pine	114.0	28.0	404.57	152.57	27.43	67.87	652.44
	46	Pine	100.0	24.0	280.79	96.54	19.08	48.55	444.96
	47	Pine	120.0	28.0	442.68	170.78	30.00	73.72	717.18
	48	Pine	119.0	26.0	408.76	154.55	27.71	68.52	659.54
	49	Pine	122.0	28.0	455.71	177.11	30.87	75.70	739.40
	50	Pine	120.0	28.0	442.68	170.78	30.00	73.72	717.18
	51	Pine	111.0	28.0	386.07	143.88	26.18	65.02	621.15
	52	Pine	130.0	30.0	541.24	219.71	36.63	88.64	886.23
	53	Pine	115.0	28.0	410.82	155.52	27.85	68.83	663.03
	54	Pine	114.0	28.0	404.57	152.57	27.43	67.87	652.44
	55	Pine	120.0	28.0	442.68	170.78	30.00	73.72	717.18
	56	Pine	129.0	28.0	502.59	200.23	34.03	82.82	819.67
	57	Pine	132.0	29.0	539.65	218.89	36.52	88.40	883.47
	58	Pine	131.0	29.0	532.49	215.26	36.04	87.33	871.13
	59	Pine	140.0	29.0	598.35	249.13	40.47	97.19	985.15
	60	Pine	132.0	29.0	539.65	218.89	36.52	88.40	883.47
		Mean	108.2	28.3	385.72	146.47	26.15	64.66	623.00
		S.D.	19.8	2.7	131.07	59.81	8.84	20.45	220.10
		C.V.	18.3	9.4	33.98	40.83	33.82	31.63	35.33

Table B.3-2. Biomass water of successional species in ten plots in the 22-year-old pine plantation

Plot	Tree no.	Plant name	Stem (cm)	Tree (m)	Amount of water storage/tree (cm3)				
					Stem	Branch	Leaf	Root	Total
1	2	<i>L. glutinosa</i>	64.0	18.5	146.59	50.48	11.06	23.62	231.75
	3	<i>L. glutinosa</i>	68.0	27.5	235.90	83.70	16.53	35.83	371.95
	4	<i>L. glutinosa</i>	53.0	26.3	143.21	49.24	10.85	23.14	226.44
	5	<i>G. usitata</i>	45.0	16.2	67.92	22.28	5.78	12.04	108.01
	6	<i>G. usitata</i>	51.0	16.5	86.94	28.96	7.12	14.94	137.97
	7	<i>D. glandulosa</i>	71.0	25.1	234.82	83.30	16.46	35.69	370.26
	8	<i>D. glandulosa</i>	63.0	25.0	187.81	65.69	13.63	29.34	296.47
	9	<i>D. glandulosa</i>	64.0	15.2	122.38	41.66	9.50	20.16	193.70
	10	<i>F. ribes</i>	50.0	10.3	54.37	17.58	4.79	9.91	86.65
	11	<i>L. glutinosa</i>	44.0	12.0	49.46	15.90	4.43	9.12	78.91
	12	<i>L. glutinosa</i>	46.0	11.0	49.55	15.93	4.43	9.13	79.04
2	1	<i>G. pinnata</i>	51.0	18.1	94.41	31.62	7.63	16.06	149.73
	2	<i>W. tometosa</i>	49.0	7.0	36.73	11.59	3.44	7.03	58.79
	3	<i>D. glandulosa</i>	34.0	9.5	24.84	7.65	2.48	4.99	39.96
	4	<i>F. ribes</i>	46.0	15.0	65.89	21.57	5.64	11.72	104.82
	5	<i>W. tometosa</i>	83.0	24.0	300.26	108.17	20.25	44.26	472.95
	6	<i>L. glandifolius</i>	56.0	23.4	142.33	48.92	10.79	23.02	225.06
	7	<i>A. odoratissima</i>	93.0	23.5	363.00	132.35	23.77	52.26	571.38
	8	<i>L. glandifolius</i>	82.0	25.3	308.23	111.23	20.71	45.29	485.46
	9	<i>D. glandulosa</i>	77.0	24.2	263.58	94.18	18.15	39.49	415.40
	10	<i>L. glandifolius</i>	85.0	25.5	331.67	120.24	22.03	48.29	522.23
3	1	<i>D. cultrata</i>	43.0	8.5	34.54	10.85	3.27	6.66	55.32
	2	<i>A. odoratissima</i>	61.0	29.0	202.86	71.30	14.55	31.39	320.10
	3	<i>M. indica</i>	39.0	9.0	30.42	9.48	2.94	5.96	48.80
	4	<i>M. indica</i>	39.0	7.5	25.73	7.94	2.55	5.14	41.36
4	1	<i>L. glandifolius</i>	44.0	10.5	43.75	13.96	3.99	8.19	69.88
	2	<i>B. variegata</i>	69.0	18.5	168.33	58.47	12.43	26.66	265.89
	3	<i>B. variegata</i>	86.0	25.0	332.76	120.66	22.09	48.43	523.95
	4	<i>A. odoratissima</i>	114.0	13.0	306.29	110.48	20.60	45.04	482.40
5	1	<i>D. cultrata</i>	64.0	15.5	124.59	42.46	9.65	20.48	197.19
	2	<i>P. serratum</i>	52.0	8.5	48.97	15.74	4.39	9.04	78.14
	3	<i>L. duperreanum</i>	93.0	15.5	247.63	88.14	17.22	37.39	390.37
	4	<i>D. cultrata</i>	58.0	13.5	91.58	30.61	7.44	15.64	145.27
	5	<i>F. ribes</i>	79.0	12.0	145.02	49.90	10.96	23.40	229.28
	6	<i>S. wallichii</i>	45.0	15.5	65.21	21.34	5.59	11.62	103.76
	7	<i>D. glandulosa</i>	58.0	14.5	97.79	32.82	7.86	16.57	155.04
	8	<i>A. odoratissima</i>	82.0	15.0	190.65	66.74	13.81	29.73	300.94
	9	<i>F. ribes</i>	75.0	13.5	146.88	50.58	11.08	23.66	232.20
	10	<i>F. ribes</i>	59.0	10.5	75.01	24.76	6.29	13.13	119.19
	11	<i>F. ribes</i>	60.0	10.5	77.36	25.59	6.45	13.49	122.90
	12	<i>G. pinnata</i>	49.0	10.5	53.32	17.22	4.71	9.74	85.00
	13	<i>A. villosa</i>	76.0	22.0	235.75	83.64	16.52	35.81	371.71
6	1	<i>F. ribes</i>	62.0	18.5	138.28	47.44	10.53	22.44	218.70
	2	<i>M. denticulata</i>	87.0	25.0	339.91	123.42	22.49	49.34	535.16
	3	<i>A. odoratissima</i>	89.0	28.0	393.31	144.13	25.43	56.07	618.94
	4	<i>A. odoratissima</i>	84.0	28.0	353.66	128.73	23.25	51.08	556.73
	5	<i>D. glandulosa</i>	50.0	15.0	76.80	25.39	6.41	13.41	122.01
7	1	<i>F. ribes</i>	55.0	8.0	51.35	16.55	4.57	9.42	81.89
	2	<i>P. macrocarpus</i>	52.0	10.5	59.47	19.34	5.17	10.72	94.70
	3	<i>P. serratum</i>	51.0	12.5	67.36	22.08	5.74	11.95	107.14
8	1	<i>F. ribes</i>	115.0	11.0	266.95	95.46	18.34	39.93	420.68
	2	<i>G. usitata</i>	75.0	25.0	258.76	92.35	17.87	38.85	407.82
9	1	<i>B. variegata</i>	45.0	12.0	51.55	16.62	4.58	9.45	82.20
	2	<i>B. variegata</i>	32.0	10.0	23.30	7.14	2.35	4.72	37.50
	3	<i>B. variegata</i>	79.0	13.0	156.09	53.96	11.67	24.95	246.67
	4	<i>M. pierrei</i>	24.0	4.5	6.59	1.87	0.81	1.56	10.83
	5	<i>B. variegata</i>	63.0	12.0	95.67	32.07	7.72	16.25	151.71

Table B.3-2 (Continued)

Plot	Tree no.	Plant name	Stem (cm)	Tree height (m)	Amount of water storage/tree (cm ³)				
					Stem	Branch	Leaf	Root	Total
	6	<i>D. cultrata</i>	43.0	14.0	54.63	17.67	4.81	9.95	87.06
	7	<i>D. cultrata</i>	19.0	6.0	5.59	1.57	0.70	1.35	9.21
	8	<i>G. arborea</i>	55.0	8.0	51.35	16.55	4.57	9.42	81.89
	9	<i>B. variegata</i>	68.0	12.0	110.09	37.23	8.69	18.38	174.38
	10	<i>G. arborea</i>	69.0	14.0	130.29	44.53	10.02	21.30	206.14
	11	<i>D. cultrata</i>	52.0	16.0	87.58	29.19	7.17	15.04	138.98
	12	<i>F. ribes</i>	54.0	16.0	93.87	31.43	7.60	15.98	148.88
	13	<i>P. tomentosa</i>	55.0	16.0	97.09	32.57	7.82	16.46	153.95
	14	<i>P. tomentosa</i>	51.0	11.0	59.89	19.49	5.20	10.78	95.37
	15	<i>B. variegata</i>	45.0	10.0	43.59	13.90	3.98	8.16	69.64
	16	<i>F. ribes</i>	49.0	13.0	64.88	21.22	5.56	11.57	103.23
	17	<i>C. pruniflorum</i>	40.0	8.0	28.60	8.88	2.79	5.64	45.91
	18	<i>B. variegata</i>	56.0	12.0	77.05	25.47	6.43	13.44	122.40
	19	<i>B. variegata</i>	42.0	8.0	31.28	9.77	3.01	6.10	50.16
	20	<i>B. variegata</i>	48.0	12.0	58.04	18.85	5.06	10.49	92.44
	21	<i>A. odoratissima</i>	42.0	12.0	45.41	14.52	4.12	8.46	72.50
	22	<i>D. glandulosa</i>	118.0	19.0	462.50	171.23	29.16	64.62	727.51
	23	<i>L. duperreanum</i>	118.0	19.0	462.50	171.23	29.16	64.62	727.51
	24	<i>P. tomentosa</i>	53.0	15.0	85.48	28.45	7.02	14.73	135.67
	25	<i>S. wallichii</i>	27.0	7.0	12.28	3.62	1.37	2.69	19.96
	26	<i>B. variegata</i>	46.0	11.0	49.55	15.93	4.43	9.13	79.04
10	1	<i>V. pinnata</i>	13.0	4.5	2.14	0.56	0.31	0.58	3.59
	2	<i>S. wallichii</i>	29.0	7.0	14.01	4.16	1.53	3.02	22.71
	3	<i>G. arborea</i>	103.0	25.0	463.58	171.65	29.21	64.75	729.19
	4	<i>A. odoratissima</i>	48.0	20.0	92.81	31.05	7.52	15.83	147.21
	5	<i>A. odoratissima</i>	42.0	18.0	65.91	21.58	5.64	11.73	104.85
	6	<i>V. pinnata</i>	20.0	6.0	6.14	1.73	0.76	1.47	10.10
	7	<i>V. pinnata</i>	12.0	5.0	2.03	0.53	0.30	0.56	3.42
	8	<i>M. pierrei</i>	14.0	5.5	2.94	0.79	0.41	0.77	4.91
	9	<i>L. glutinosa</i>	30.0	9.0	18.78	5.68	1.96	3.90	30.32
	10	<i>M. pierrei</i>	35.0	8.0	22.37	6.84	2.27	4.55	36.04
	11	<i>G. arborea</i>	98.0	20.0	344.62	125.24	22.75	49.94	542.55
	12	<i>G. usitata</i>	54.0	9.0	55.32	17.91	4.86	10.06	88.16
	13	<i>V. pinnata</i>	22.0	3.0	3.87	1.06	0.52	0.98	6.42
	14	<i>Sterculia sp.</i>	36.0	7.0	20.84	6.35	2.14	4.28	33.60
	15	<i>L. glutinosa</i>	18.0	4.0	3.49	0.95	0.47	0.89	5.80
	16	<i>D. cultrata</i>	88.0	24.0	334.34	121.27	22.18	48.63	526.43
	17	<i>L. glutinosa</i>	52.0	10.0	56.86	18.44	4.98	10.30	90.59
	18	<i>D. glandulosa</i>	44.0	18.2	72.53	23.89	6.11	12.75	115.28

Appendix C

Interview Format Utilization of Forest Plantation in Family Levels

Name of Village.....Adress.....

1. Basic Data (interview person)
 - 1.1 Name..... ☐ Male ☐ Female
 - 1.2 Age.....year
 - 1.3 Occupation.....
 - 1.4 Education level.....
 - 1.5 Number of person/family

[illegible]

2. Economical status data

- | | | | |
|-----|----------------------------------|---------------------------|-----------|
| 2.1 | Land owner | Paddy rice field.....rai | |
| | | Fruit treerai | |
| | | Annual crop field.....rai | |
| 2.2 | Type of land owner | | |
| | Land owner certificate.....rai | | |
| | Lie cent from Government.....rai | 1/4 rai | 1/400 rai |
| | Rent.....rai | | |

2.3 Agriculture data

[illegible]

2.4 Non agriculture Income

- ☐ Company employee salary.....bath/month
- ☐ Customer incomebaht/month
- ☐ Officers salary.....baht/month
- ☐ General employee salary.....baht/month
- ☐ Otherincome.....baht/month
.....income.....baht/month
.....income.....baht/month

2.5 Family expenditure

- ☐ Foodbaht/month
- ☐ Education baht/month
- ☐ Water supply electricity and telephone cost.....baht/month
- ☐ Agriculture materialsbaht/month
- ☐ Others baht/month
..... baht/month
..... baht/month

2.6 Forest products utilization

2.6.1 Forest products materials

- ☐ Food such as plants.....wild animals.....
- ☐ Constrction such as
- ☐ Foel such as.....
- ☐ Others such as.....
- ☐ Bamboos utilization
 - Root for
 - Stem for
 - Shoot for
 - Leaf for
- ☐ Others for

2.6.2 Processing system

- 1
- 2
- 3

2.6.3 Sale in cash (fresh)

- ☐ Local market price.....baht
- ☐ Provincial market pricebaht
- ☐ International market pricebaht
- ☐ Others market (ราย)pricebaht

2.6.4 Sale for processing

- ☐ Local market pricebaht
- ☐ Provincial market price.....baht

- ☐ International market price.....baht
☐ Others marketpricebaht

2.6.5 Domestic consumption

- Consumption.....
.....
- Usage
.....
.....
Construction
.....
.....
- Others
.....
.....

3. Cropping calendar

Type of crops	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aus.	Sept.	Oct.	Nov.	Dec.
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

4. Member of social groups for Forestry utilization

- 4.1 Number of villagers/family to participation.....persons
- 4.2 Employee income.....baht/person/day
- 4.3 Total income from activity.....baht/family
- 4.4 Why does to joined social groups
.....
.....
.....

- 4.5 Benefits from social groups jointed
.....
.....
.....
- 4.6 Direct benefits from social groups participation
.....
.....
.....
- 4.7 Comments and Recommendation of groups activity
.....
.....

APPENDIX D

Comparison Population data base Of Ban Huay Pu Mai and Ban Sam Muk Kee Koa
Mae Fah Loung Sub-district ,Mae Fah Loung District Chiang Rai Province

Note: HPM= Huay Pu Mai village, SMKK= Sam Muk Kee Koa village

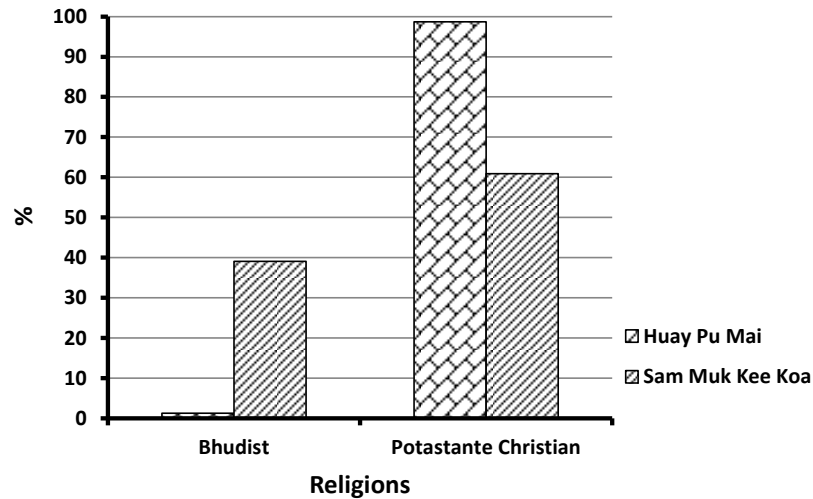


Figure D-1. Religions of two villages in Doi Tung Development Project .

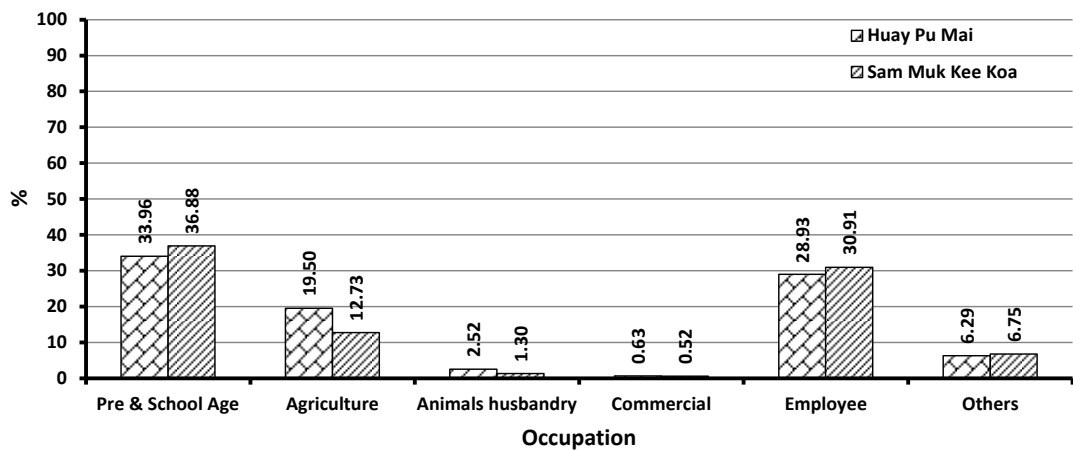


Figure D-2. Occupations of villagers in two village

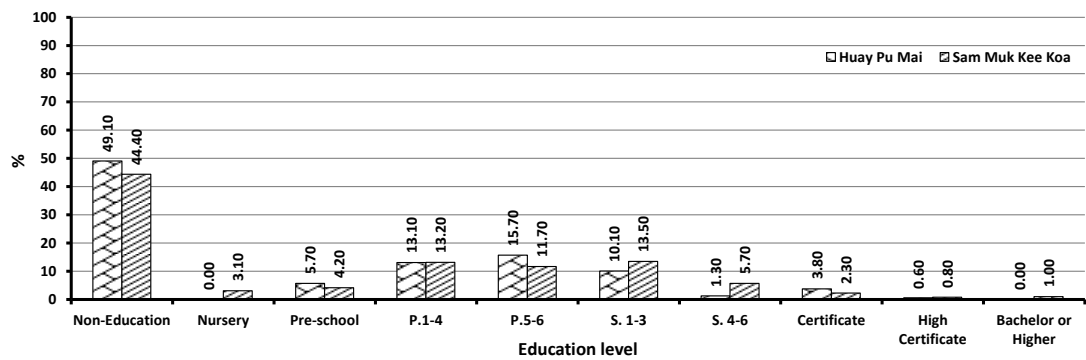


Figure D-3. Educational levels of villagers in two Villages

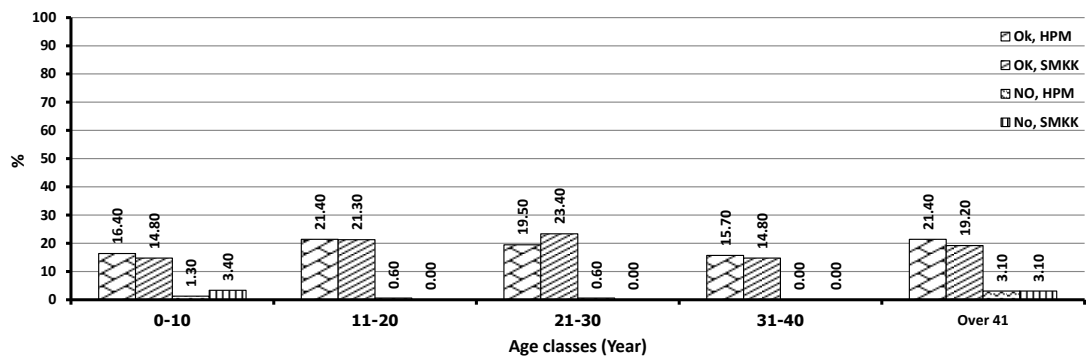


Figure D-4. Thai languets lessening ability of villagers in two villages

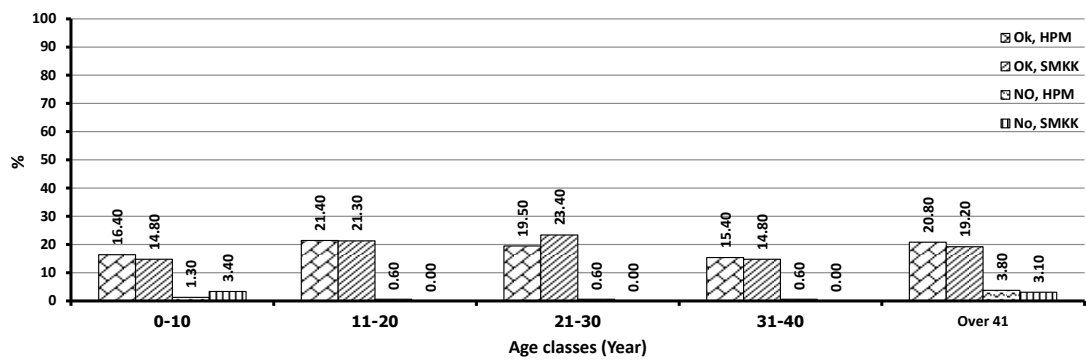


Figure D-5. Thai languets speaking ability of villagers in the two villages

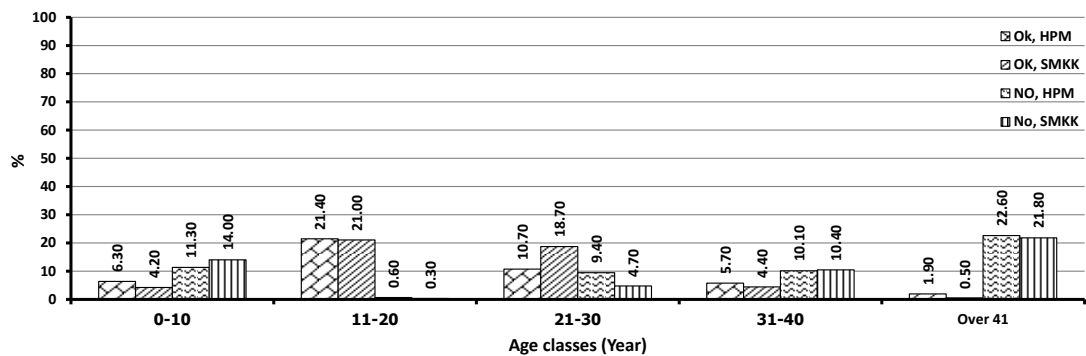


Figure D-6. Thai language reading ability of villagers in two villages

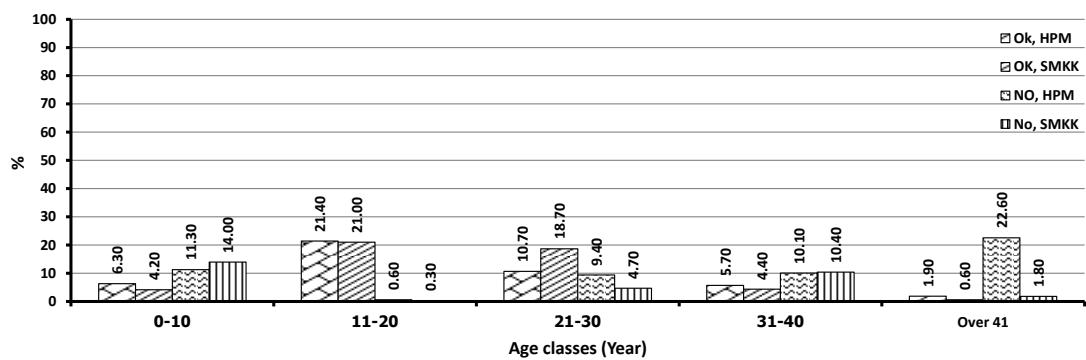


Figure D-7. Thai language writing ability of villagers in two villages

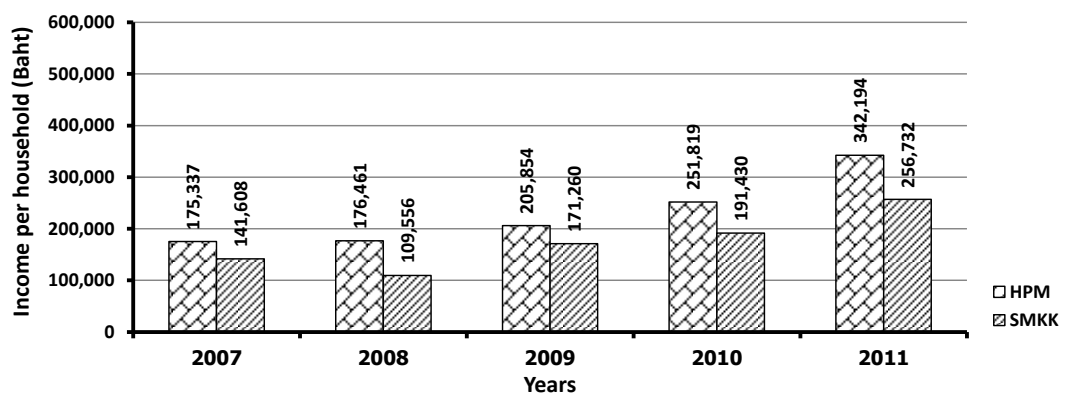
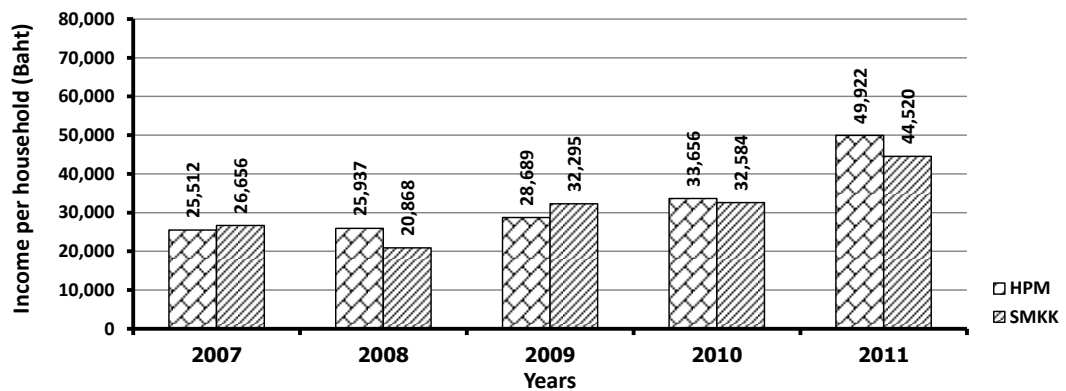


Figure D-8. Income per household per year of two villages during 2007-2011



Figurer D-9. Income per capita of two villages during 2007-2011

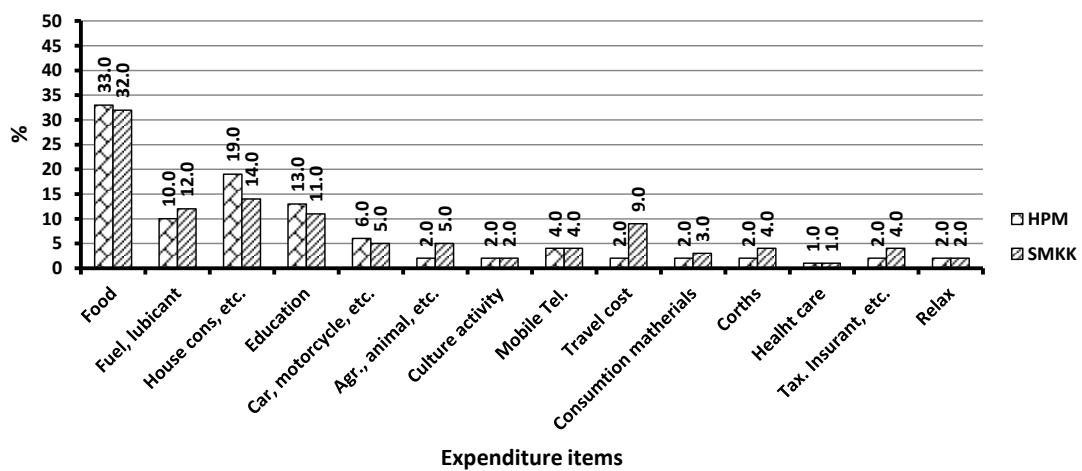


Figure D-10. Average expenditure per household of the two villages in 2011

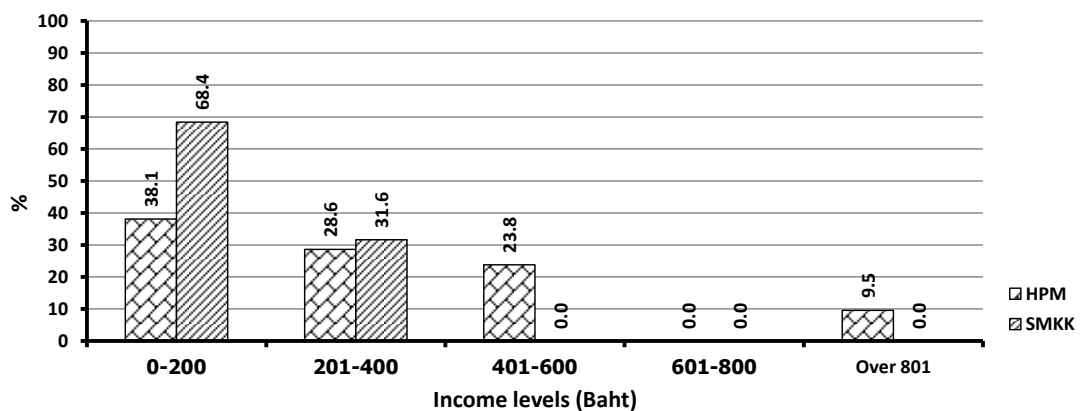


Figure D-11. Income from edible wild plants of the two villages

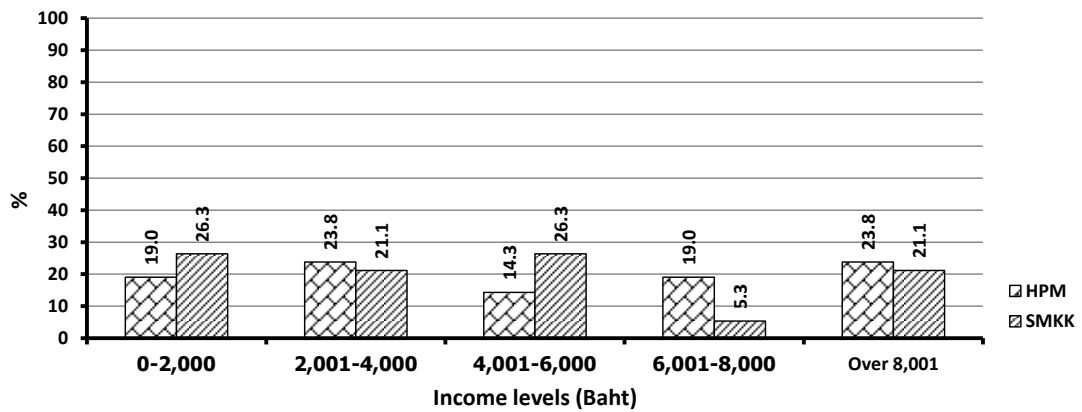


Figure D-12. Income from bamboo shoots of the two villages

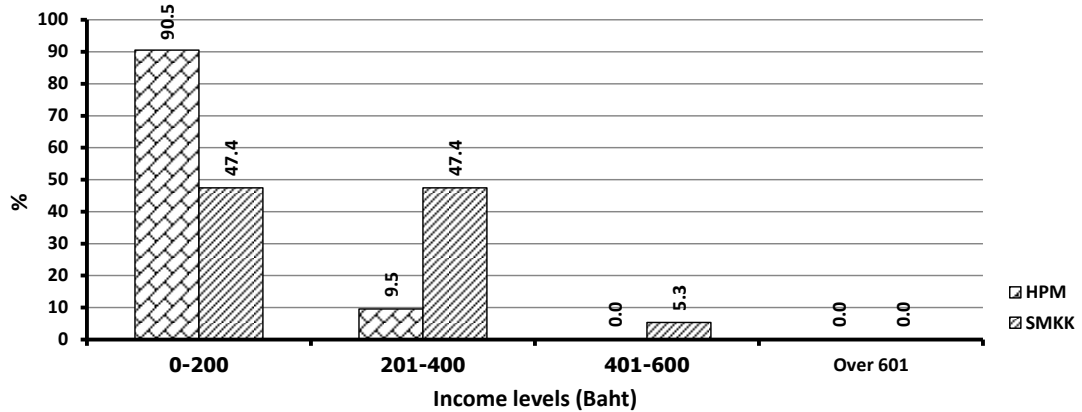


Figure D-13 Income from edible wild mushrooms of the two villages

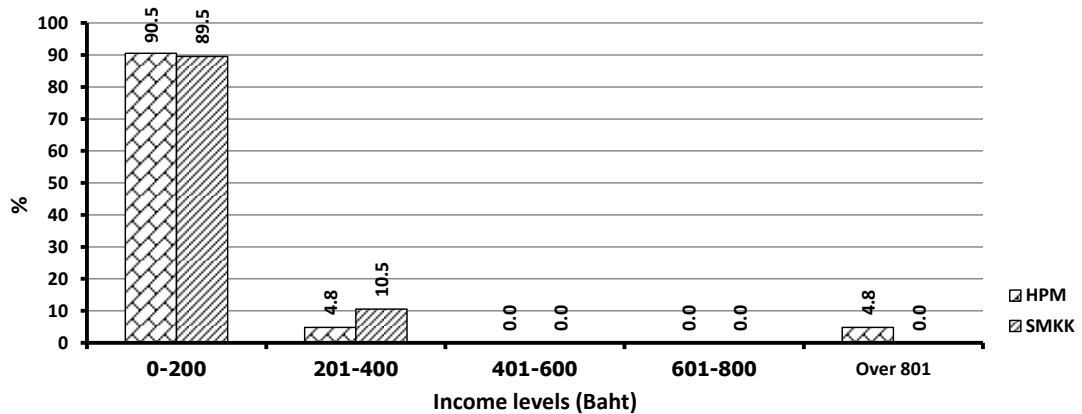


Figure D-14. Income from wild honey of the two villages

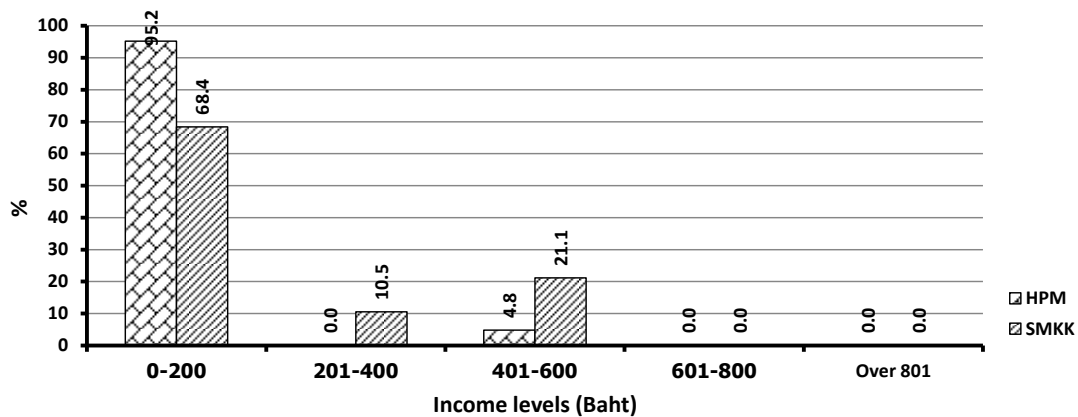


Figure D-15. Income from bamboo stems of the two villages

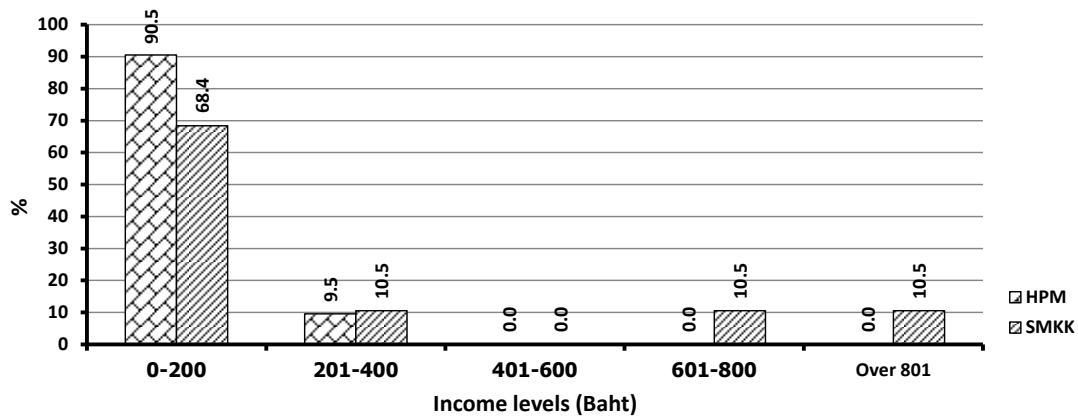


Figure D-16. Income from wild fruits of the two villages

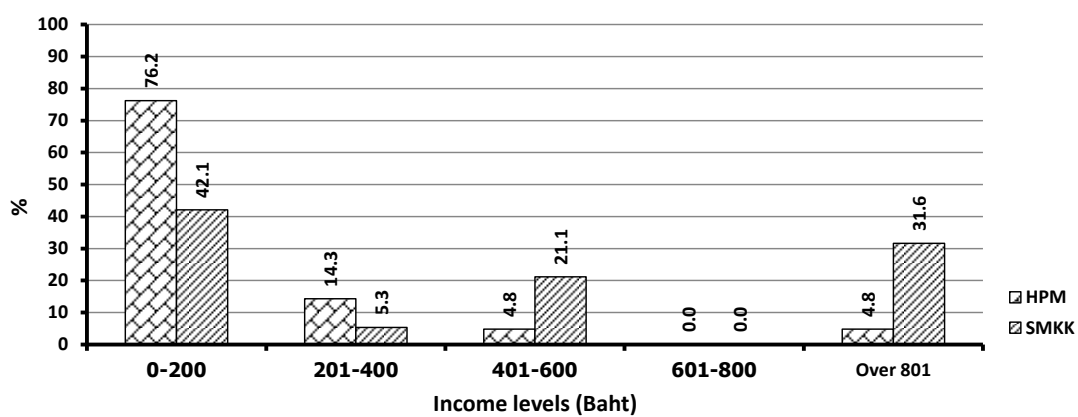


Figure D-17. Income from handicraft plants of the two villages

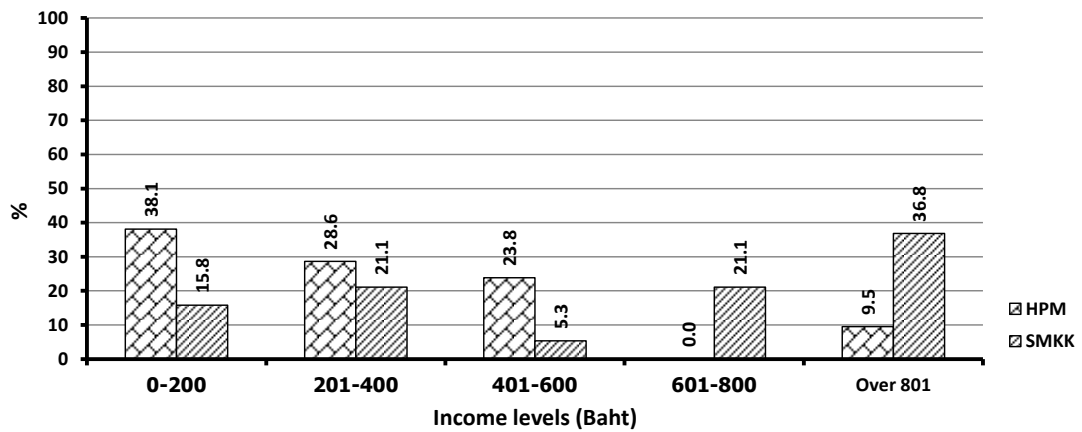


Figure D-18. Income from edible insects, worms and ant eggs of the two villages

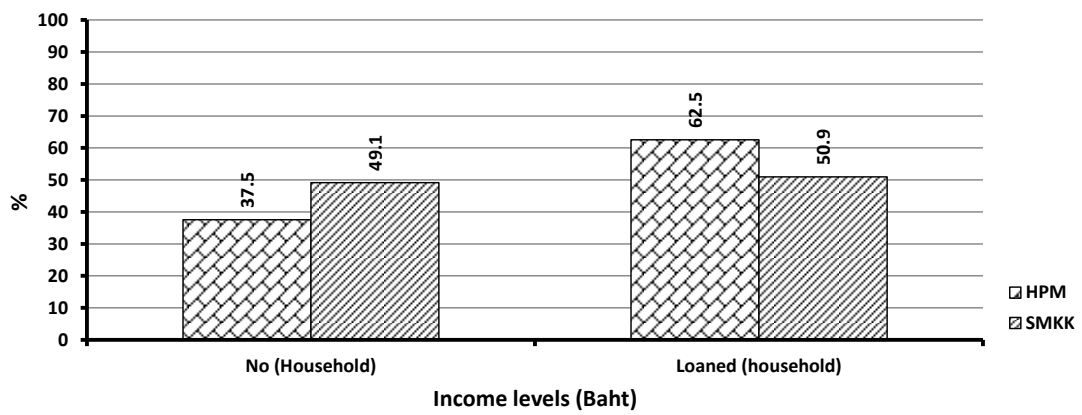


Figure D-19. Loaned status of villagers in the two villages

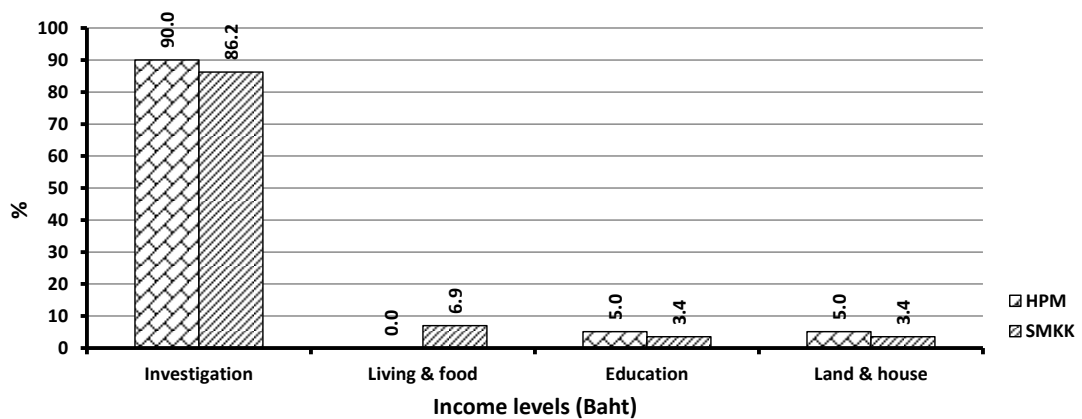


Figure D-20. Loans objectives of villagers in the two villages

CURRICULUM VITAE

Name Mr. Samart Sumanochitraporn

Date of Birth 5th January 1948

Education Background

October 1972 Bachelor's Degree of Science (Forestry), Faculty of Forestry, Kasetsart University, Bangkok, Thailand
May 2005 Master degree of Sustainable Land Use and Natural Resource Management (Excellent Certificate Average Grade 4), Faculty of Social Science, Chiang Mai University, Thailand

Work Experience

2008-present 1. National Consultant of Department of National Park, Wildlife and Plant Conservation, Thailand.
2. Administration committee of EIT., Northern 1, Faculty of Engineering, Chiang Mai University, Thailand.
2007-2008 Director of Wildlife Conservation Office, DNP. , Thailand.
2006 Director of Conservation Forest and Plants Research Office, NDP. , Thailand.
1993-2005 Director of Training Center No.4 (Chiang Rai) under DNP. and The Coordinator of Doi Tung Initiative Development Project and The Royal Project under the initiative of the Queen of Thailand, in Chiang Rai and Payao Province. And Mae Fha Loung – Mae Chan Security Development Project under the Third Army Area.
1991-1992 Chief of Chiang Rai Watershed Management Center, Chiang Rai Province, under Watershed Conservation Division, belong to RFD., And The Coordinator of the Doi Tung initiative Development Project, Mae Fha Loung Foundation under patronage of HRH. Princess Mother of HM. of the King, Thailand.
1974-1990 Chief of Royal Watershed Development Project No.9 (Doi Sam Muen) Chiang Doa District, Chiang Mai Province, under RFD., Thailand.
1972-1973 Researcher Assistant, Huay Hin Dad Watershed Research Station, Rayong Province, under Royal forest Department, Thailand.

Publications

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- Sumanochitraporn, S.**, S. Khamyong and N. Anongrak. 2014. Ecosystem Water Storage in a Teak Plantation under the Doi Tung Reforestation Royal Project, Chiang Rai Province, Northern ,Thailand. Thai J. For. 33(3): 2014. (in press)
- Khamyong, S., **S. Sumanochitraporn** and N. Anongrak. 2014. Role of a Pine (*Pinus kesiya*) Plantation under the Doi Tung Reforestation Royal Project on Water Storages Chiang Rai Province, Northern, Thailand. Thai J. For. 33(3): 2014. (in press)

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