

Table 1. Distribution of forest land by biophysical region, Maine, 2003

Biophysical region	Land area ---Thousands of acres---	Forest land	Percent forest	Percent of total
Aroostook Hills	1,532.4	1,398.7	91	8
Aroostook Lowlands	874.2	625.2	72	4
Boundary Plateau	1,002.4	990.5	99	5
Central Interior	2,275.5	1,773.8	78	12
Central Mountains	1,607.3	1,546.7	96	8
East Coastal Region	670.0	575.8	86	3
Eastern Interior	2,159.9	2,073.7	96	11
Eastern Lowlands	769.3	742.1	96	4
Midcoast Region	356.2	264.8	74	2
Penobscot Bay Region	566.2	424.2	75	3
Saint John Uplands	2,545.2	2,502.2	98	13
South Coastal Region	390.0	229.5	59	2
Southwest Interior	1,019.2	855.7	84	5
Western Foothills	1,431.3	1,281.9	90	7
Western Mountians	2,552.3	2,432.6	95	13
Total	19,751.5	17,717.5	90	100

Note: Data may not add to totals due to rounding.

Table 2. Distribution of forest land by major watersheds, Maine, 2003

Watershed	Land area ---Thousands of acres---	Forest land	Percent forest
Androscoggin	1,716.0	1,480.2	86
Kennebec	3,574.1	3,173.5	89
Maine Coastal	3,154.1	2,765.9	88
Penobscot	5,242.0	4,959.9	95
Saco	1,504.2	1,165.0	77
St. John	4,561.0	4,173.1	91
Total	19,751.5	17,717.5	90

Note: Data may not add to totals due to rounding.

Table 3. Distribution of forest land by population density class, Maine (source: U.S. Bureau of Census 2000 and MRLC 1992)

FIA region	Persons per square mile						
	0-25	25-50	51-100	101-250	251-500	501-1000	1000+
	<i>---Percent---</i>						
Washington	95	4	-	1	-	-	-
Aroostook	95	3	2	-	-	-	-
Penobscot	69	15	12	3	1	-	-
Hancock	68	21	9	2	-	-	-
Piscataquis	97	2	-	-	-	-	-
Capital Region	10	37	40	12	1	-	-
Somerset	87	8	4	-	-	-	-
Casco Bay	3	14	39	35	6	2	1
Western	77	14	6	2	-	-	-
All regions	76	10	9	4	1	-	-

Note: Data may not add to totals due to rounding.

Table 4. Forest land area in Maine by ownership type, 2003 (numbers in parentheses are standard errors)

Public			Private			All ownerships
Federal	State	Local	Total	Family	Business <sup>a</sup>	
<i>---Thousands of acres---</i>						
155	743	179	1,076	5,690	10,951	17,718
(29)	(62)	(31)	(76)	(131)	(142)	(7)

a Includes corporations, nonfamily partnerships, tribal lands, nongovernmental organizations, clubs, or other nonfamily groups.

Note: Data may not add to totals due to rounding.

Table 5. Area and number of family-owned forests in Maine by size of ownership, 2003

Forest holdings (acres)	Area			Ownerships			Count
	Acres	SE	Percent	Number	SE	Percent	
	<i>---Thousands---</i>			<i>---Thousands---</i>			
1-9	445	171	7.8	132	41	59.5	15
10-49	1,215	214	21.4	57	9	25.8	41
50-99	1,393	220	24.5	22	3	9.8	47
100-499	1,660	228	29.2	10	1	4.6	56
500-999	296	160	5.2	<1	<1	0.2	10
1000-4999	385	167	6.8	<1	<1	0.1	13
5000+	296	160	5.2	<1	<1	<0.1	7
Total	5,690	131	100.0	222	41	100.0	189

Table 6. Area and number of family-owned forests in Maine by reason for owning forest land, 2003 (includes owners who ranked each objective as very important or important on a seven-point Likert scale)

Reason <sup>a</sup>	Area			Ownerships			Count
	Acres	SE	Percent	Number	SE	Percent	
	---Thousands---			---Thousands---			
Aesthetics	3,823	233	67.2	166	39	74.8	126
Nature protection	3,023	244	53.1	117	35	52.7	99
Land investment	2,223	240	39.1	68	21	30.6	72
Part of farm, home, or cabin <sup>b</sup>	800	194	14.1	54	31	24.3	27
Privacy	3,793	234	66.7	194	41	87.4	126
Family legacy	2,845	244	50.0	114	36	51.4	94
Nontimber forest products	533	178	9.4	9	4	4.1	16
Firewood production	1,511	224	26.6	30	9	13.5	49
Timber production	1,749	231	30.7	12	2	5.4	56
Hunting or fishing	1,837	233	32.3	59	31	26.6	60
Other recreation	2,252	240	39.6	86	33	38.7	74
No answer	119	143	2.1	5	3	2.3	4

a Categories are not exclusive.

b Includes primary and secondary residences.

Note: Data may not add to totals due to rounding.

Table 7. Area and number of family-owned forests in Maine by recent (past 5 years) forestry activity, 2003

Activity <sup>a</sup>	Area			Ownerships			Count
	Acres	SE	Percent	Number	SE	Percent	
	---Thousands---			---Thousands---			
Timber harvest	2,658	256	46.7	81	37	36.5	75
Collection of NTFPs <sup>b</sup>	1,397	231	24.6	17	4	7.7	38
Site preparation	356	165	6.3	24	16	10.8	12
Tree planting	593	182	10.4	33	17	14.9	20
Fire hazard reduction	1,393	220	24.5	41	12	18.5	45
Application of chemicals	178	149	3.1	33	30	14.9	6
Road/trail maintenance	2,223	240	39.1	78	32	35.1	74
Wildlife habitat improvement	593	182	10.4	44	31	19.8	20
Posting land	833	344	14.6	6	7	2.7	6
Private recreation	2,498	465	43.9	115	142	51.8	18
Public recreation	1,110	380	19.5	96	142	43.2	8
Cost share	415	169	7.3	2	1	0.9	14
Conservation easement <sup>c</sup>	119	59	2.1	1	1	0.5	4
Green certification <sup>c</sup>	207	152	3.6	1	1	0.5	7

a Categories are not exclusive.

b NTFPs = nontimber forest products

c Not limited to past 5 years.

Note: Data may not add to totals due to rounding.

Table 8. Area and number of family-owned forests by management plan, advice sought, and source of advice, Maine 2003

	Area			Ownerships			Count
	Acres	SE	Percent	Number	SE	Percent	
	---Thousands---			---Thousands---			
Written management plan							
Yes	1,778	231	31.2	10	2	4.5	57
No	3,734	235	65.6	208	41	93.7	126
No answer	178	149	3.1	4	2	1.8	6
Sought advice							
Yes	2,163	239	38.0	32	8	14.4	71
No	3,408	241	59.9	188	41	84.7	114
No answer	119	143	2.1	3	2	1.4	4
Advice source <sup>a</sup>							
State forestry agency	741	191	13.0	9	4	4.1	23
Extension	356	165	6.3	2	1	0.9	12
Other state agency	119	143	2.1	1	1	0.5	4
Federal agency	237	155	4.2	1	0	0.5	8
Private consultant	1156	211	20.3	11	3	5.0	39
Forest industry forester	385	167	6.8	3	1	1.4	13
Logger	563	180	9.9	5	2	2.3	19
Other landowner	415	169	7.3	3	1	1.4	14

<sup>a</sup> Categories are not exclusive.

Note: Data may not add to totals due to rounding.

Table 9. Area and number of family-owned forests in Maine by owners' concerns, 2003 (includes owners who ranked each issue as a very important or important on a seven-point Likert scale)

Concern <sup>a</sup>	Area			Ownerships			Count
	Acres	SE	Percent	Number	SE	Percent	
	---Thousands---			---Thousands---			
Endangered species	1,363	229	24.0	62	37	27.9	38
Property taxes	3,101	256	54.5	111	39	50.0	89
Family legacy	2,726	257	47.9	115	42	51.8	77
Lawsuits	1,397	231	24.6	58	36	26.1	39
Harvesting regulations	2,453	255	43.1	47	14	21.2	69
Land development	1,840	245	32.3	117	43	52.7	52
Noise pollution	1,533	236	26.9	83	39	37.4	43
Trespassing	1,840	245	32.3	90	39	40.5	52
Timber theft	1,499	234	26.3	48	17	21.6	42
Dumping	2,385	254	41.9	63	19	28.4	68
Air or water pollution	2,317	253	40.7	116	40	52.3	66
Exotic plant species	1,056	216	18.6	80	39	36.0	29
Domestic animals	273	161	4.8	3	1	1.4	8
Wild animals	443	176	7.8	39	21	17.6	13
Fire	2794	257	49.1	83	24	37.4	80
Insects/diseases	2215	252	38.9	71	21	32.0	63
Regeneration	681	194	12.0	34	21	15.3	18
Storms	1,908	246	33.5	97	42	43.7	54

<sup>a</sup> Categories are not exclusive.

Note: Data may not add to totals due to rounding.

Table 10. Area and number of family-owned forests by owners' future (5-year) plans for their land, Maine 2003

Future plans <sup>a</sup>	Area			Ownerships			Count
	Acres	SE	Percent	Number	SE	Percent	
	---Thousands---			---Thousands---			
No activity	682	187	12.0	57	20	25.7	23
Minimal activity	1,926	235	33.8	94	35	42.3	65
Harvest firewood	2,312	241	40.6	42	11	18.9	76
Harvest sawlogs or pulpwood	1,867	233	32.8	22	5	9.9	62
Collect NTFPs <sup>b</sup>	579	187	10.2	6	2	2.7	16
Sell all or part of land	741	191	13.0	14	6	6.3	25
Transfer all or part of land to heirs	919	200	16.2	20	6	9.0	31
Subdivide all or part of land	148	146	2.6	0	0	0.0	5
Buy more forest land	771	192	13.6	8	3	3.6	26
Land-use conversion (forest to other)	356	165	6.3	4	1	1.8	12
Land-use conversion (other to forest)	119	143	2.1	0	0	0.0	4
No current plans	296	160	5.2	16	8	7.2	10
No answer	0	131	0.0	0	0	0.0	0

a Categories are not exclusive.

b NTFPs = nontimber forest products

Note: Data may not add to totals due to rounding.

Table 11. Area of forest land by FIA forest-type groups and ownership classes, Maine 2003

Forest type group	Ownership class					Total
	Forest Service	Other federal	State/local/public	Forest industry	Non-industrial private	
White/red/jack Pine	5.9	7.6	46.9	244.2	1044.2	1348.8
Spruce/fir	5.9	35.5	346.8	2243.8	3197.6	5829.6
Exotic softwood plantations	0.0	0.0	7.5	0.0	11.6	19.1
Oak/pine	0.0	0.0	20.5	28.4	285.5	334.4
Oak/hickory	0.0	0.0	10.1	10.2	299.8	320.0
Oak/gum/cypress	0.0	0.0	0.0	0.0	11.7	11.7
Elm/ash/red maple	0.0	0.0	32.6	82.1	292.4	407.2
Maple/beech/birch	41.3	22.1	309.1	2243.9	4439.2	7055.6
Aspen/birch	0.0	35.3	147.9	666.2	1492.5	2341.9
Nonstocked	0.0	1.4	0.0	2.8	45.1	49.3
Total	53.1	101.9	921.4	5521.6	11119.6	17717.5

Note: Data may not add to totals due to rounding.

Table 12. Area of forest land by habitat types and ownership classes, Maine 2003

Habitat Type	Ownership class			Total
	Public	Forest industry	Non-industrial private	
Beech/red maple	157.1	758.7	1736.2	2652.1
Cedar/black spruce	165.8	569.5	988.9	1724.3
Hemlock/red spruce	63.7	460.5	1142.8	1666.9
Oak/white pine	61.1	80.4	1351.0	1492.5
Spruce/balsam fir	481.3	2646.0	4395.9	7523.2
Sugar maple/ash	147.3	1006.4	1504.8	2658.6
Total	1076.4	5521.6	11119.6	17717.6

Note: Data may not add to totals due to rounding.

Table 13. Area of forest land by habitat type, stand-diameter class, and FIBER stocking region Maine 1982

Habitat type	Stand diameter class	Stocking region					Total
		Low/no basal area	Understocked	Sub-optimal	Optimal	Overstocked	
Beech/red maple	Low/no basal area	129.5	0.0	0.0	0.0	0.0	129.5
	Sapling	19.9	76.6	129.5	162.7	321.7	710.4
	Poletimber	11.7	230.0	127.6	498.8	578.6	1446.7
	Small sawtimber	0.0	106.6	43.2	89.2	62.4	301.4
	Large sawtimber	0.0	38.5	12.2	59.2	32.9	142.9
	Total	161.1	451.7	312.5	809.9	995.7	2730.8
Cedar/black spruce	Low/no basal area	257.1	0.0	0.0	0.0	0.0	257.1
	Sapling	4.0	63.6	79.3	20.3	110.7	277.7
	Poletimber	12.8	258.3	243.5	275.6	288.2	1078.4
	Small sawtimber	0.0	36.0	21.1	85.3	18.7	161.1
	Large sawtimber	0.0	46.6	0.0	18.9	0.0	65.5
	Total	273.9	404.5	344.0	400.0	417.6	1839.9
Hemlock/red spruce	Low/no basal area	151.6	0.0	0.0	0.0	0.0	151.6
	Sapling	8.7	9.5	25.7	25.7	127.0	196.5
	Poletimber	0.0	115.3	137.0	341.2	326.1	919.5
	Small sawtimber	0.0	27.7	21.8	118.6	99.8	267.9
	Large sawtimber	0.0	0.0	0.0	28.6	26.1	54.7
	Total	160.2	152.5	184.5	514.1	579.0	1590.3
Oak/white pine	Low/no basal area	8.3	0.0	0.0	0.0	0.0	8.3
	Sapling	10.9	32.0	39.2	22.2	152.9	257.2
	Poletimber	4.5	81.6	113.4	231.5	156.5	587.5
	Small sawtimber	0.0	43.9	66.1	77.8	32.7	220.4
	Large sawtimber	0.0	20.4	35.4	79.8	29.0	164.6
	Total	23.7	177.8	254.1	411.2	371.1	1238.0
Spruce/fir	Low/no basal area	433.5	0.0	0.0	0.0	0.0	433.5
	Sapling	8.9	117.0	226.1	71.9	708.0	1131.8
	Poletimber	31.0	988.6	1167.3	1482.7	1287.1	4956.7
	Small sawtimber	0.0	257.6	174.2	341.2	141.8	914.7
	Large sawtimber	0.0	76.3	37.4	153.1	8.4	275.1
	Total	473.3	1439.4	1605.0	2048.9	2145.3	7711.9
Sugar maple/ash	Low/no basal area	163.0	0.0	0.0	0.0	0.0	163.0
	Sapling	0.0	18.7	42.8	56.9	173.8	292.1
	Poletimber	10.4	129.8	153.5	482.9	356.9	1133.5
	Small sawtimber	0.0	14.4	95.9	273.3	167.7	551.3
	Large sawtimber	0.0	18.9	35.1	191.3	165.4	410.8
	Total	173.3	181.7	327.3	1004.4	863.8	2550.6
Total	Low/no basal area	1143.0	0.0	0.0	0.0	0.0	1143.0
	Sapling	52.2	317.3	542.6	359.6	1594.0	2865.7
	Poletimber	70.3	1803.5	1942.4	3312.7	2993.4	10122.3
	Small sawtimber	0.0	486.1	422.3	985.3	523.1	2416.8
	Large sawtimber	0.0	200.7	120.1	530.9	261.9	1113.6
	Total	1265.6	2807.6	3027.3	5188.4	5372.5	17661.4

Table 14. Area of forest land by habitat type, stand-diameter class, and FIBER stocking region, Maine 1995

Habitat Type	Stand diameter class	Stocking region					Total
		Low/No Basal Area	Understocked	Sub-Optimal	Optimal	Overstocked	
Beech/red maple	Low/No Basal Area	79.2	0.0	0.0	0.0	0.0	79.2
	Sapling	35.7	159.1	242.4	95.6	358.7	891.6
	Poletimber	26.5	282.7	255.0	420.8	540.9	1525.9
	Small Sawtimber	0.0	81.5	64.0	171.0	179.6	496.2
	Large Sawtimber	0.0	63.7	38.6	72.1	101.4	275.7
	Total	141.5	587.0	600.0	759.5	1180.6	3268.6
Cedar/black spruce	Low/No Basal Area	51.6	0.0	0.0	0.0	0.0	51.6
	Sapling	61.3	88.5	100.1	18.1	161.6	429.6
	Poletimber	22.8	162.9	252.4	227.2	316.1	981.3
	Small Sawtimber	0.0	58.1	60.7	134.9	110.2	363.9
	Large Sawtimber	0.0	17.2	0.0	19.7	25.3	62.1
	Total	135.8	326.6	413.2	399.8	613.1	1888.5
Hemlock/red spruce	Low/No Basal Area	34.3	0.0	0.0	0.0	0.0	34.3
	Sapling	25.6	42.6	69.7	0.0	86.1	224.0
	Poletimber	12.6	96.0	173.6	157.8	171.1	611.2
	Small Sawtimber	0.0	60.3	66.3	132.5	84.1	343.2
	Large Sawtimber	0.0	6.6	1.4	48.1	40.5	96.6
	Total	72.6	205.5	311.0	338.4	381.8	1309.3
Oak/white pine	Low/No Basal Area	15.1	0.0	0.0	0.0	0.0	15.1
	Sapling	0.0	0.0	56.2	48.0	121.2	225.4
	Poletimber	0.0	53.3	56.8	225.6	156.8	492.5
	Small Sawtimber	0.0	39.7	27.3	143.0	40.6	250.5
	Large Sawtimber	0.0	43.6	60.8	152.7	95.9	353.0
	Total	15.1	136.6	201.0	569.2	414.6	1336.5
Spruce/fir	Low/No Basal Area	166.2	0.0	0.0	0.0	0.0	166.2
	Sapling	147.2	453.7	508.7	110.7	1158.2	2378.4
	Poletimber	39.6	546.5	687.3	806.1	1153.9	3233.3
	Small Sawtimber	5.9	213.5	208.9	374.7	261.2	1064.1
	Large Sawtimber	0.0	120.3	66.6	56.0	95.1	338.1
	Total	358.9	1333.9	1471.5	1347.5	2668.3	7180.2
Sugar maple/ash	Low/No Basal Area	26.2	0.0	0.0	0.0	0.0	26.2
	Sapling	7.6	36.3	36.7	70.1	184.5	335.1
	Poletimber	15.6	79.8	123.7	419.2	385.0	1023.2
	Small Sawtimber	6.6	26.6	53.8	263.5	418.4	768.9
	Large Sawtimber	0.0	13.2	12.8	181.8	355.2	563.0
	Total	56.0	155.9	226.9	934.6	1343.1	2716.5
Total	Low/No Basal Area	372.7	0.0	0.0	0.0	0.0	372.7
	Sapling	277.5	780.1	1013.8	342.5	2070.3	4484.2
	Poletimber	117.1	1221.1	1548.8	2256.7	2723.7	7867.4
	Small Sawtimber	12.5	479.6	481.0	1219.5	1094.2	3286.8
	Large Sawtimber	0.0	264.6	180.1	530.3	713.4	1688.4
	Total	779.8	2745.5	3223.7	4349.0	6601.5	17699.5

Table 15. Area of forest land by habitat type, stand-diameter class, and FIBER stocking region, Maine 2003

Habitat Type	Stand Diameter Class	Stocking Region					Total
		Low/No Basal Area	Understocked	Sub-Optimal	Optimal	Overstocked	
Beech/red maple	Low/No Basal Area	113.7	1.6	0.2	0.9	0.8	117.1
	Sapling	24.4	120.2	146.9	183.7	279.7	754.8
	Poletimber	5.8	293.4	202.2	597.2	124.7	1223.3
	Small Sawtimber	0.0	65.0	74.9	164.2	95.3	399.4
	Large Sawtimber	0.0	25.9	16.2	81.7	33.7	157.5
	Total	143.9	506.1	440.4	1027.6	534.2	2652.1
Cedar/black spruce	Low/No Basal Area	217.5	0.0	0.5	0.0	0.0	218.0
	Sapling	12.3	98.6	94.0	19.2	72.4	296.5
	Poletimber	11.5	168.7	300.7	238.9	171.8	891.6
	Small Sawtimber	0.0	39.4	31.7	85.3	86.6	242.9
	Large Sawtimber	0.0	7.0	6.0	38.8	23.5	75.3
	Total	241.3	313.7	432.9	382.2	354.3	1724.3
Hemlock/red spruce	Low/No Basal Area	26.8	0.0	0.0	0.0	0.0	26.8
	Sapling	12.4	46.5	36.2	23.4	110.2	228.7
	Poletimber	0.0	207.0	183.6	205.6	74.2	670.3
	Small Sawtimber	0.0	116.6	132.2	239.8	51.0	539.5
	Large Sawtimber	0.0	19.5	37.5	114.9	29.9	201.8
	Total	39.2	389.6	389.4	583.5	265.3	1667.0
Oak/white pine	Low/No Basal Area	12.7	0.0	0.0	0.3	0.0	13.0
	Sapling	4.4	30.0	44.1	43.8	37.1	159.5
	Poletimber	0.0	148.9	142.1	258.9	70.2	620.0
	Small Sawtimber	0.0	83.6	69.3	157.1	44.1	354.0
	Large Sawtimber	0.0	61.5	82.0	168.9	33.6	346.0
	Total	17.1	324.0	337.4	629.0	184.9	1492.4
Spruce/fir	Low/No Basal Area	351.1	1.4	0.8	2.4	1.3	356.9
	Sapling	24.4	405.0	681.0	261.8	1164.7	2536.9
	Poletimber	22.3	817.2	953.1	924.0	377.5	3094.0
	Small Sawtimber	0.0	215.6	335.2	492.5	142.4	1185.6
	Large Sawtimber	0.0	74.6	53.7	156.0	65.5	349.8
	Total	397.7	1513.8	2023.9	1836.6	1751.3	7523.2
Sugar maple/ash	Low/No Basal Area	42.2	0.0	0.0	0.0	0.0	42.2
	Sapling	21.5	64.4	79.9	69.1	90.1	324.9
	Poletimber	12.7	134.6	114.8	544.0	106.5	912.6
	Small Sawtimber	0.0	54.5	163.2	503.8	157.0	878.4
	Large Sawtimber	0.0	25.7	44.1	284.0	146.7	500.5
	Total	76.4	279.1	401.9	1400.9	500.2	2658.6
Total	Low/No Basal Area	763.9	2.9	1.5	3.6	2.0	773.9
	Sapling	99.3	764.8	1082.1	600.9	1754.1	4301.2
	Poletimber	52.3	1769.8	1896.4	2768.5	924.8	7411.8
	Small Sawtimber	0.0	574.6	806.4	1642.5	576.3	3599.8
	Large Sawtimber	0.0	214.2	239.5	844.2	333.0	1630.9
	Total	915.6	3326.3	4025.8	5859.8	3590.1	17717.6

Table 16. Area of forest land by habitat type and stand structure class, Maine 2003

Habitat Type	Stand Structure Class				Total
	Single-Story	Two-Story	Multi-Story	Mosaic	
Beech/red Maple	1127.7	1227.3	210.8	80.5	2646.3
Cedar/black spruce	947.4	572.3	126.6	72.2	1718.5
Hemlock/red spruce	646.5	761.1	177.8	81.6	1666.9
Oak/white pine	619.8	685.8	155.3	31.5	1492.5
Spruce/fir	3435.6	2971.5	795.7	320.5	7523.2
Sugar maple/ash	1111.8	1304.5	237.8	4.4	2658.6
Total	7888.7	7522.5	1704.0	590.8	17705.9

Note: Excludes nonstocked acreage and data may not add to totals due to rounding.

Table 17. Percentage of timberland acres in the 0 to 49 ft.<sup>2</sup> basal-area class, by ownership, stand-diameter, and FIBER stocking classes, Maine, 2003

Stand-diameter and stocking classes	Ownership class			Subtotal
	Public	Forest industry	Nonindustrial private	
---Percent---				
<b>Low/No Basal Area Stands</b>				
Low/no basal area and understocked	0	4	4	8 <sup>c</sup>
Suboptimal stocking	0	0	0	0
Optimal stocking and overstocked	0	0	0	0
Subtotal	0	4	4	9
Owner Class Share	4	44	52	100
<b>Sapling Stands</b>				
Low/no basal area and understocked	0	10	16	26
Suboptimal stocking	1	8	9	17
Optimal stocking and overstocked	0	1	3	4
Subtotal	1	18	27	47 <sup>a</sup>
Owner Class Share	2	40	59	100
<b>Poletimber Stands</b>				
Low/no basal area and understocked	1	10	19	30
Suboptimal stocking	0	2	2	4
Optimal stocking and overstocked	0	0	0	0
Subtotal	1	11	22	35
Owner Class Share	2	33	64	100
<b>Small Sawtimber Stands</b>				
Low/no basal area and understocked	0	2	5	7
Suboptimal stocking	0	0	0	1
Optimal stocking and overstocked	0	0	0	0
Subtotal	0	2	6	8
Ownership share	3	24	73	100
<b>Large Sawtimber Stands</b>				
Low/no basal area and understocked	0	1	1	2 <sup>c</sup>
Suboptimal stocking	0	0	0	0
Optimal stocking and overstocked	0	0	0	0
Subtotal	0	1	1	2
Ownership share	0	34	66	100
Ownership share of 0 to 49 ft. <sup>2</sup> basal-area class	2	36 <sup>b</sup>	61	100
Proportionate ownership share of 17.2 million timberland acres	4	32	64	100

a Forty-seven percent of all acres in the 0 to 49 ft.<sup>2</sup> basal-area class are in the Sapling Stand Diameter Class.

b When compared to its proportional share of All Timberland acres, the Forest Industry ownership class has substantially more of this basal-area class than Public or Nonindustrial owners. The management of these low basal-area stands will play an important role in the development of Maine's future forests.

c Ten percent of the acres in the 0 to 49 ft.<sup>2</sup> basal-area class occur in the stand diameter of Low/No Basal Area or Large Sawtimber and are in the undesirable Low/No Basal Area or Understocked class; 58 percent of the 302,000 acres in these less desirable categories occur on Nonindustrial Private class.

Note: Data may not add to totals due to rounding.

Table 18. Timberland acres in the 0 to 49 ft.<sup>2</sup> basal area class, by region, stand-diameter, and FIBER stocking classes, Maine, 2003

Stand-diameter and stocking class	Region				Subtotal
	Eastern	Northern	Southern	Western	
<b>Low/No Basal-Area Stands</b>					
Low/no basal area and understocked	79,664	131,164	15,491	25,533	251,852
Suboptimal stocking	-	1,504	-	-	1,504
Optimal stocking and overstocked	1,871	2,990	284	439	5,584
<b>Subtotal</b>	<b>81,535</b>	<b>135,658</b>	<b>15,775</b>	<b>25,972</b>	<b>258,940</b>
<b>Sapling Stands</b>					
Low/no basal area and understocked	215,927	475,308	59,239	41,562	792,036
Suboptimal stocking	89,318	367,318	25,242	19,666	501,544
Optimal stocking and overstocked	29,261	69,401	7,483	9,732	115,877
<b>Subtotal</b>	<b>334,506</b>	<b>912,027</b>	<b>91,964</b>	<b>70,960</b>	<b>1,409,457</b>
<b>Poletimber Stands</b>					
Low/no basal area and understocked	265,749	417,571	120,774	98,786	902,880
Suboptimal stocking	28,666	73,417	14,950	12,017	129,050
Optimal stocking and overstocked	996	8,225	2,312	-	11,533
<b>Subtotal</b>	<b>295,411</b>	<b>499,213</b>	<b>138,036</b>	<b>110,803</b>	<b>1,043,463</b>
<b>Small Sawtimber Stands</b>					
Low/no basal area and understocked	62,138	94,300	31,033	30,616	218,087
Suboptimal stocking	9,978	8,248	-	4,384	22,610
Optimal stocking and overstocked	-	-	732	-	732
<b>Subtotal</b>	<b>72,116</b>	<b>102,548</b>	<b>31,765</b>	<b>35,000</b>	<b>241,429</b>
<b>Large Sawtimber Stands</b>					
Low/no basal area and understocked	21,623	29,639	3,291	5,897	60,450
Suboptimal stocking	-	5,614	-	-	5,614
Optimal stocking and overstocked	-	-	-	-	-
<b>Subtotal</b>	<b>21,623</b>	<b>35,253</b>	<b>3,291</b>	<b>5,897</b>	<b>66,064</b>
<b>Subtotal Low/No Basal Area and Understocked</b>	<b>645,101</b>	<b>1,147,982</b>	<b>229,828</b>	<b>202,394</b>	<b>2,225,305</b>
<b>Subtotal Suboptimal</b>	<b>127,962</b>	<b>456,101</b>	<b>40,192</b>	<b>36,067</b>	<b>660,322</b>
<b>Subtotal Optimal and overstocked</b>	<b>32,128</b>	<b>80,616</b>	<b>10,811</b>	<b>10,171</b>	<b>133,726</b>
<b>Regional totals of</b>					
<b>0 to 49 ft.<sup>2</sup> basal-area class</b>	<b>805,191</b>	<b>1,684,698</b>	<b>280,831</b>	<b>248,634</b>	<b>3,019,354</b>

Note: Data may not add to totals due to rounding.

Table 19. Mean fuel loadings (tons/acre) and associated standard errors for habitat types, Maine, 2001-2002

Habitat Type	# Plots	1-hr	SE	10-hr	SE	100-hr	SE	1000-hr	SE	Duff	SE	Litter	SE	Shrub/Herbs <sup>a</sup>	SE
Beech - Red Maple	19	0.47	0.11	0.94	0.33	1.92	0.45	2.33	0.39	31.02	4.23	1.22	0.22	0.79	0.27
Cedar - Black Spruce	5	0.18	0.06	0.40	0.07	1.30	0.40	1.49	0.79	75.74	17.05	0.33	0.13	1.30	0.66
Hemlock - Red Spruce	8	1.42	0.62	0.79	0.10	1.89	0.34	3.07	0.52	44.69	6.71	1.38	0.35	0.21	0.13
Oak - White Pine	7	0.22	0.05	0.51	0.07	1.31	0.25	1.85	0.48	42.45	9.47	1.55	0.44	0.23	0.13
Spruce - Fir	53	0.48	0.11	0.57	0.06	1.52	0.13	4.25	0.50	42.73	2.70	1.15	0.13	0.72	0.16
Sugar Maple - Ash	13	0.30	0.08	0.41	0.12	1.51	0.58	4.18	1.40	30.41	4.45	1.25	0.30	1.01	0.33
All plots	105	0.50	0.08	0.62	0.07	1.59	0.13	3.51	0.33	40.79	2.16	1.18	0.09	0.72	0.11

a feet.

Table 20. Distribution of shrub and vine species found on FIA sample plots, Maine, 2003

Species name	Number of forested plots	Species name	Number of forested plots
Bunchberry	1413	Pipsissewa	32
Rhubus species	1097	Chokeberry species	30
Blueberry	546	Rose species	28
Twinflower	544	Common Juniper	24
Beaked Hazelnut	506	Silky Dogwood	24
Teaberry	420	Swamp Laurel	22
Creeping Snowberry	388	Sweet Gale	22
Hobblebush Viburnum	377	Chokecherry species	19
Bush Honeysuckle	343	Buckthorn	18
Speckled Alder	321	Vine - Unknown	17
Spirea	252	Canada Yew	15
Withe-rod Viburnum	249	Gray-stemmed Dogwood	13
Sheep Laurel	243	Clamatic species	12
Currant/Gooseberry	216	Rhododendron	10
Partridgeberry	212	Evergreen Shrub - Unknown	10
Shrub Willow species	151	Grape species	9
Winterberry Holly	138	Staghorn Sumac	8
Mountain-holly	133	Dwarf Shrub - Unknown	8
Alder	130	Round-leaved Dogwood	7
Red-osier Dogwood	117	Mountain Laurel	7
American Elderberry	87	Highbush Cranberry	7
American Hazelnut	76	Bog Rosemary	5
Labrador Tea	76	Barberry	5
Witch Hazel	71	Hog Peanut	5
Arrowwood Viburnum	67	Smooth Sumac	4
Nannyberry	65	Vine Honeysuckle	3
Red-berried Elderberry	57	Bayberry	3
Leatherleaf	53	Virginia Creeper	3
Maple-leaved Viburnum	49	Hercules Club	2
Sweetfern	48	Buttonbush	2
Alternate-leaved Dogwood	42	American Bittersweet	2
Poison Ivy	40	Sweet Pepperbush	2
Huckleberry	39	Male-Berry	2
Deciduous Shrub - Unknown	37	American Bladdernut	2
Azalea (deciduous)	35	Striped Pipsissewa	1
Cranberry	33	Large Leaf Holly	1
Vimurnum species	33	Common Prickly-Ash	1

Table 21. Average annual net change of growing stock basal area on timberland by species group and component, Maine, 1996 to 2003

Species group	Ingrowth	Accretion	Gross Growth	Growing Stock		Growing Stock Decrement	Net Growth	Land Use		Total Removals	Net Change	Annual Percentage Change from the Total Current Basal Area Inventory
				Mortality	Increment			Harvest	Removal			
Balsam fir	3.30	2.74	6.04	-4.40	0.24	-0.38	1.50	-3.57	-0.14	-3.71	-2.22	-1.9%
White spruce	0.34	0.42	0.76	-0.24	0.07	-0.07	0.52	-0.44	0.00	-0.44	0.09	0.3%
Black spruce	0.30	0.23	0.53	-0.28	0.03	0.00	0.28	-0.45	-0.09	-0.54	-0.26	-1.1%
Red spruce	0.99	2.23	3.22	-1.79	0.26	-0.74	0.95	-3.83	-0.37	-4.21	-3.26	-2.3%
Red pine	0.24	0.07	0.31	0.00	0.00	0.00	0.31	0.00	-0.04	-0.04	0.27	4.3%
Pitch pine	0.00	0.00	0.00	0.00	0.00	-0.09	-0.09	0.00	0.00	0.00	-0.09	-9.5%
Eastern white pine	0.52	2.77	3.29	-0.57	0.46	-0.52	2.66	-2.17	-0.81	-2.98	-0.31	-0.3%
Other Yellow Pines	0.03	0.01	0.04	0.00	0.04	0.00	0.08	0.00	0.00	0.00	0.08	34.1%
Northern white Cedar	0.52	1.20	1.72	-0.56	1.01	-1.56	0.61	-1.27	-0.26	-1.53	-0.92	-0.8%
Eastern hemlock	0.56	1.55	2.11	-0.28	0.50	-0.58	1.75	-0.96	0.00	-0.96	0.79	1.0%
Other comm. softwoods	0.06	0.17	0.22	-0.17	0.03	0.00	0.08	-0.25	0.00	-0.25	-0.17	-2.0%
Total softwoods	6.85	11.40	18.25	-8.29	2.64	-3.94	8.65	-12.94	-1.71	-14.65	-6.00	-1.0%
95% confidence interval	6.10 - 7.61	10.48 - 12.31	16.98 - 19.51	-9.68 to -6.90	1.94 - 3.34	-5.04 to -2.85	6.43 - 10.87	-15.96 to -9.92	-3.03 to -0.39	-17.93 to -11.37	-10.00 to -2.00	
Red maple	1.32	2.61	3.93	-0.73	1.59	-1.71	3.08	-3.79	-0.18	-3.97	-0.89	-0.6%
Sugar maple	0.52	1.35	1.87	-0.15	0.59	-0.45	1.87	-1.58	-0.10	-1.68	0.19	0.2%
Yellow birch	0.41	0.99	1.40	-0.35	1.02	-0.86	1.20	-1.09	0.00	-1.09	0.11	0.2%
Paper birch	0.64	0.86	1.50	-0.91	0.18	-0.41	0.37	-1.24	-0.11	-1.35	-0.98	-1.7%
Hickory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
American beech	0.47	0.80	1.27	-1.54	0.43	-1.00	-0.84	-1.22	-0.18	-1.39	-2.24	-5.3%
White ash	0.19	0.49	0.68	-0.08	0.09	-0.02	0.66	-0.23	-0.02	-0.25	0.41	2.3%
Aspen	0.71	1.13	1.85	-0.74	0.01	-0.50	0.62	-1.75	-0.08	-1.83	-1.21	-2.3%
Black cherry	0.01	0.02	0.03	-0.02	0.00	-0.02	-0.01	-0.02	0.00	-0.02	-0.03	-1.8%
White oak	0.00	0.01	0.01	0.00	0.02	-0.01	0.02	0.00	0.00	0.00	0.02	1.7%
Northern red oak	0.34	0.71	1.05	-0.09	0.05	-0.01	0.99	-0.34	-0.20	-0.54	0.45	1.4%
Other white oaks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Other red oaks	0.00	0.03	0.03	-0.07	0.00	0.00	-0.04	0.00	0.00	0.00	-0.04	-2.8%
American basswood	0.01	0.03	0.03	0.00	0.00	-0.02	0.01	-0.02	0.00	-0.02	-0.01	-1.1%
Elm	0.08	0.01	0.09	-0.05	0.00	0.00	0.04	-0.03	0.00	-0.03	0.01	1.7%
Other comm. hardwoods	0.08	0.05	0.13	-0.13	0.01	-0.16	-0.16	-0.02	-0.11	-0.14	-0.29	-6.3%
Total hardwoods	4.79	9.07	13.86	-4.86	3.99	-5.19	7.80	-11.31	-0.98	-12.30	-4.49	-0.9%
95% confidence interval	4.03 - 5.54	8.31 - 9.84	12.72 - 15.00	-5.74 to -3.98	2.92 - 5.07	-6.33 to -4.05	5.65 - 9.96	-13.74 to -8.89	-1.78 to -0.18	-14.84 to -9.75	-7.81 to -1.17	
Total, all species	11.64	20.47	32.11	-13.16	6.63	-9.13	16.46	-24.25	-2.70	-26.95	-10.49	
95% confidence interval	10.53 - 12.75	19.31 - 21.63	30.43 - 33.79	30.43 - 33.79	5.35 - 7.92	-10.86 to -7.40	13.26 - 19.65	-28.49 - -20.02	-4.42 to -0.98	-31.48 to -22.41	-16.09 to -4.89	

Table 22. Distribution of plants sampled for ozone injury by species, Maine, 2003

Species	%
dogbane	28
milkweed	27
blackberry	22
white ash	8
pin cherry	8
black cherry	6
aster	1

Table 23. Number of FIA P3 plots and plant specimens examined for ozone injury, Maine, 2003

Year	# of plots	# of plants	# of injured plants
1999	24	1070	0
2000	19	799	0
2001	22	940	0
2002	16	1611	0
2003	18	1539	0

Table 24. Percentage of specimens and number of species for lichen genera sampled, Maine, 2003

Genus	All specimens	All species
Parmelia	11.4	5
Usnea	9.7	16
Hypogymnia	9.3	3
Cetraria	8.9	8
Melanelia	6.7	7
Cladonia	6.1	22
Evernia	5.3	1
Bryoria	5.0	6
Platismatia	5.0	2
Lobaria	4.6	2
Phaeophyscia	3.9	5
Punctelia	3.9	3
Myelochroa	3.3	2
Flavoparmelia	2.3	2
Physcia	2.1	4
Ramalina	2.1	7
Imshaugia	1.5	1
Leptogium	1.3	8
Pyxine	1.2	1
Parmeliopsis	1.2	3
Cetrelia	0.9	2
Physconia	0.7	2
Collema	0.6	2
Menegazzia	0.5	1
Candelaria	0.4	2
Xanthoria	0.3	2
Pseudocyphellaria	0.3	2
Anaptychia	0.3	1
Heterodermia	0.2	1
Pannaria	0.2	3
Parmeliella	0.1	5
Peltigera	0.1	3
Nephroma	0.1	2
Parmotrema	0.1	2
Alectoria	0.1	1
Cladina	0.1	1
Hypotrachyna	0.1	1
Pseudevernia	0.0	2
Sticta	0.0	2
Everniastrum	0.0	1
Fuscopannaria	0.0	2
Vulpicida	0.0	1
Total	100.0	149

Note: Data may not add to totals due to rounding.

Table 25. Number of FIA P3 plots and richness and diversity of lichen species by forest type groups, Maine, 2003

Forest type group	Plots	Richness	Diversity
spruce/fir	96	21.2	2.87
maple/beech/birch	61	19.2	2.76
aspen/birch	15	16.5	2.5
white pine/hemlock	19	15.7	2.57