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Forest Statistics for Maine, 1971 and 1982

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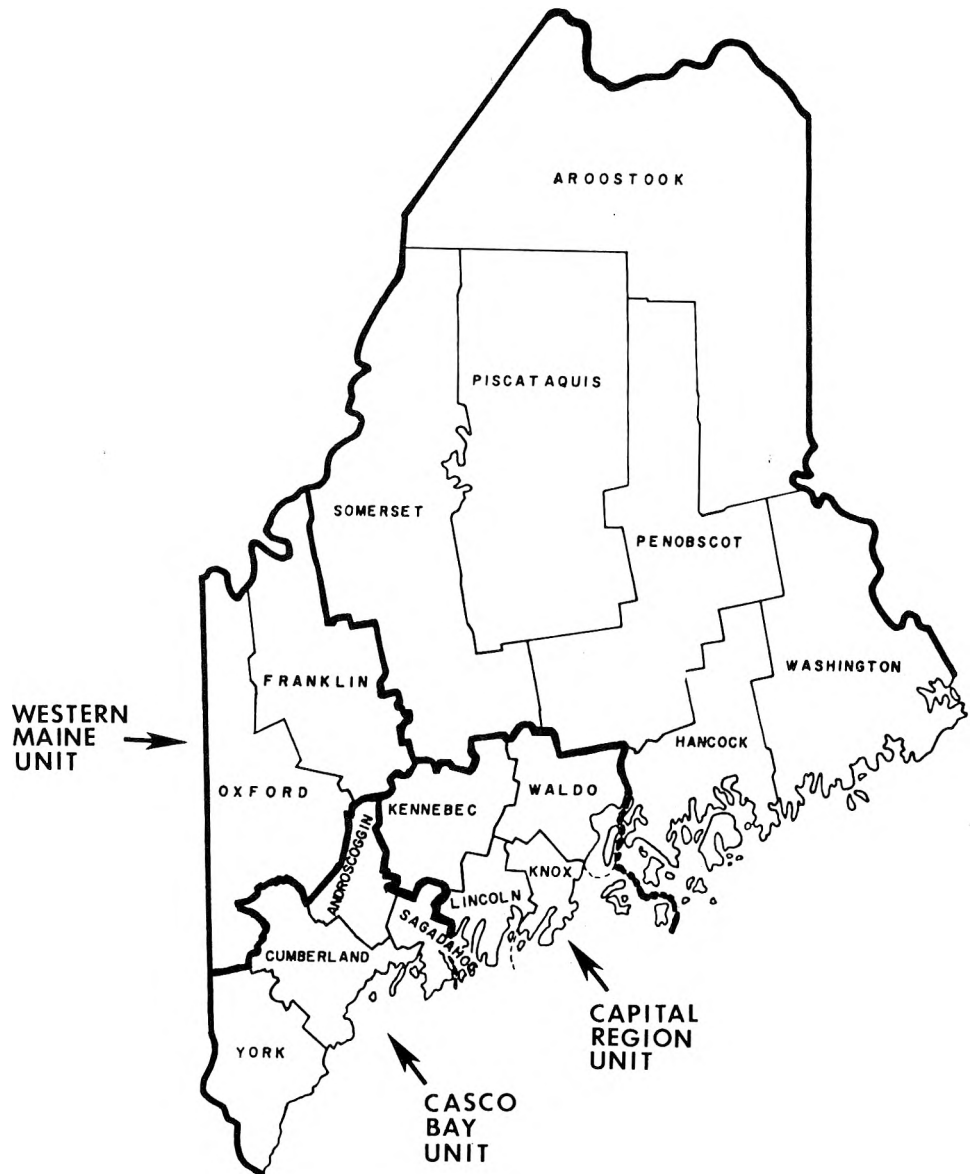
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Forest Statistics for Maine 1971 and 1982

Douglas S. Powell
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Forest Statistics for Maine
1971 and 1982

The Authors

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Abstract

A statistical report on the third forest survey of Maine (1982) and reprocessed data from the second survey (1971). Results of the surveys are displayed in 169 tables containing estimates of forest and timberland area, numbers of trees, timber volume, tree biomass, timber products output, and components of average annual net change in growing-stock volume for the period between surveys. These estimates were developed by several classifications including forest type, ownership, species, size, and quality. Data are presented at three levels: state, geographic sampling unit, and county.

Foreword

The third inventory of Maine was directed by Joseph E. Barnard, Project Leader of the Forest Inventory and Analysis unit. Charles T. Scott, Douglas S. Powell and Robert T. Brooks were responsible for the design of the inventory and sample selection. John R. Peters supervised the aerial-photo interpretation and data collection by the field crews. He was assisted by David J. Alerich, Thomas B. Hartman, Joseph G. Redden, Karen J. Sykes, Edward H. Uebler, and Richard H. Widmann. The other field workers were: Mark Bilyk, Robert W. Bolich, Sheryl D. Brown, Kenneth Buten, James D. Brennan, Gary M. Capella, Beth A. Coulter, Craig Coutros, Thomas J. Diem, Michael H. Dudek, Dolores M. Eckert, Ellen M. Eshchuk, Sandra A. Fortin, George A. Galasso, Richard R. Gerard, Kenneth W. Getsch, Susan M. Grenier, Michael F. Hart, John R. Houghton, Peter C. Johnson, Thomas R. Kass, Marianne C. Kenney, Wayne R. Kettlewood, Alan E. Kinley, James L. Knapp, IV, Patricia J. Lawler, Anita J. Lazarus, Barbara A. Levesque, Regina C. McCombs, Donald L. McFarland, Gerard E. Milne, Jr., Neil W. Monteith, Kenneth F. Murin, Worthen D. Muzzey, Jr., Lisa J. Myers, Karin E. Naslund, Joseph A. Noel, Janet S. Palentchar, Fred H. Perkuhn, James R. Pfirman, Kip V. Powers, Beth A. Quinn, Richard R. Reimers, Loretta K. Reynolds, Lori B. Reynolds, John P. Rovetto, Remo B. Sadak, Kim M. Santos, Colleen M. Scarrow, Glenn P. Schifferdecker, Peter Slater, Richard L. Slike, Susan L. Slocum, Gail L. Smith, Gary R. Smith, Michael J. Valent, Roger C. Van Wyck, Louis V. Verchot, John H. Vigliotti, Nancy Gail Voorhis, Donald R. Wendt, Thomas G. White, Bruce Wilkins, and Karl E. Wilkins.

The Maine Forest Service, Department of Conservation, provided supplemental funding to intensify the reinventory and assisted significantly with the planning, data collection, and analysis of the inventory. Kenneth Hendren and James Rea provided continuing assistance on behalf of the Maine Forest Service in all of these activities. John Ferwerda and Robert Joslin of the U.S. Department of Agriculture, Soil Conservation Service, provided technical guidance on several aspects of the data collection and assigned a soil series designation to each field plot.

David R. Dickson and Nancy M. Veronesi applied FINSYS (Forest INventory SYStem), a generalized data processing system, to the specific data needs of the Maine inventory, and produced summary tables for the state, geographic sampling units, and counties. Thomas W. Birch and Richard H. Widmann were instrumental in assuring that the area estimates were consistent with those from the two previous inventories. Anne M. Malley assisted in various data processing capacities and prepared and balanced the statistical tables in this report. Margaret Little and Carol McAfee performed a variety of data editing and compilation tasks.

Robert L. Nevel, Richard H. Widmann, and Eric H. Wharton, with the assistance of Peter Lammert, Maine Forest Service, Department of Conservation, collected and compiled the data on timber products output and timber removals.

Carmela M. Hyland was responsible for administrative and secretarial services. Marie Pennestri typed the text for this report.

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Introduction

The USDA Forest Service inventories of the forest resources of the Nation are authorized by the Renewable Resources Planning Act (RPA) of 1974 and the Renewable Resources Research Act of 1978. These inventories are conducted periodically in each state. Two previous inventories were conducted in Maine and the results were reported by Ferguson and Longwood (1960) and Ferguson and Kingsley (1972). This report presents the forest resource data from both the second inventory and the third inventory, which was conducted in 1980-1982. This inventory involved a cooperative effort of the Maine Forest Service, Department of Conservation, the U.S. Soil Conservation Service, and the Northeastern Forest Experiment Station. The Forest Inventory and Analysis project at the Northeastern Forest Experiment Station conducted the inventory on all of the forest land, developed the summaries of resource data, and prepared this report.

The 1980-82 inventory conducted by the Forest Inventory and Analysis project followed a sampling procedure that utilized aerial photography, the partial remeasurement of ground samples from earlier inventories, and new ground sample locations. In Maine this required the remeasurement of 1,222 plots, the classification of 62,801 points on aerial photographs into land-use and cubic-foot volume classes, and the establishment of 2,475 new ground measurement locations as a subsample of the photo points. The data collected were summarized according to the Sampling with Partial Replacement (SPR) design by the FINSYS computer system developed by the Northeastern Forest Experiment Station.

The resurvey of Maine's forest resources involved several companion studies and considerable analysis. Analytical reports discussing specific results of the reinventory and characteristics of the private forest-land owner are being prepared. A publication describing Maine's primary forest products industry will also be available.

The forest area and timber volume statistics shown in this report are a summary of

information collected. Other information or additional summaries may be developed. For additional publications or more resource data, contact the Forest Inventory and Analysis Project, USDA Forest Service, 370 Reed Road, Broomall, PA 19008 (phone 215-461-3037) or Director, Maine Forest Service, State House Station #22, Augusta, ME 04333 (phone 207-289-2791).

Highlights

* The forest land area of Maine is 17.6 million acres, or 89 percent of the land area. Maine is the most heavily forested state in the country.

* All counties in Maine are at least 70 percent forested.

* Timberland area is 17.1 million acres, and has increased slightly since 1971.

* Thirty forest types were identified. Forty-six percent of the timberland, 7.8 million acres, is occupied by forest types in the spruce/fir group.

* Sawtimber stands dominate the timberland with 8.5 million acres. This is an increase of more than 20 percent since 1971.

* Ninety-six percent of the timberland is privately owned. Forest industry owns 8.0 million acres, 47 percent of the total. This is the highest proportion of industry ownership in the country.

* There are 94.4 billion live trees of all species more than 1 foot tall in Maine. This averages 5,535 trees per acre of timberland. Trees 5.0 inches and larger in dbh total 3.8 billion or 220 per acre.

* The net green weight of all live trees is 1.5 billion tons, 86.2 tons per acre of timberland.

* Growing-stock volume amounts to 22.8 billion cubic feet or 1,336 cubic feet per acre of timberland. This is about a 7 percent increase over the 1971 inventory.

* Softwood growing-stock volume is 14.8 billion cubic feet, which ranks Maine second only to Georgia in the East in this resource. This volume has remained unchanged since 1971, but balsam fir showed a significant decline of 20 percent.

* Hardwood growing-stock volume is 8.0 billion cubic feet, and increased 18 percent between surveys. Aspen increased a dramatic 77 percent and is now the second most prevalent hardwood species, after red maple.

* Sawtimber volume amounts to 47.7 billion board feet or 2,795 board feet per acre of timberland. This is a 24 percent increase since 1971 and is attributable largely to softwood species.

* Volume suitable for pulpwood is 300 million cords. Thirty-seven percent of this is in hardwood species.

* For all species, net growth exceeded removals by 30 percent for the period between surveys. For softwoods this figure is only 5 percent, and for hardwoods it is 94 percent (nearly double).

Reliability of the Estimates

The data in this report were based on a carefully designed sample of forest conditions throughout the state. However, since we did not measure every tree or every acre in the state, the data are estimates. The effectiveness of the estimating procedure is judged by two important measures: accuracy and precision. Accuracy describes the closeness of a sample estimate to the true value (how much is really there). Precision refers to the variation among repeated sample estimates. We are chiefly interested in the accuracy of the survey, but in most instances we can only measure its precision.

Although accuracy cannot be measured exactly, it can be checked. Great care was taken in setting up the sample, field personnel were carefully trained, and both office and field work were checked. Drafts of the resource report were submitted to outside experts familiar with the resources in Maine. If questions arose, the data were reviewed and reanalyzed to resolve differences. The data also were compared with those provided by other agencies.

Because of the care exercised in the survey process, our estimates of precision afford a reasonable measure of the survey's adequacy. The precision of each estimate is described by its sampling error. Some sampling errors appear in this report; others are available on request.

Here is an example of how to use sampling errors: The estimate of total growing-stock volume for Maine in 1982 is 22,796.1 million cubic feet. It has an associated sampling error of 1.1 percent, or 250.8 million cubic feet. This means that if there are no errors in procedure and we repeated the survey in the same way, the odds are 2 to 1 (66 percent probability) that the resulting estimate of growing-stock volume would be between 22,545.3 and 23,046.9 million cubic feet, or $22,796.1 \pm 250.8$ million cubic feet. Similarly there is a 95 percent probability (19 to 1) that the estimate would be $22,796.1 \pm 501.6$ million cubic feet.

Estimates are most precise or reliable at the state level; state estimates have the smallest sampling errors, followed by unit estimates and then county estimates. For example, our 1982 estimate of growing-stock volume for the state has an associated sampling error of 1.1 percent; the sampling error for the Casco Bay unit is 2.9 percent, and the sampling error for Sagadahoc County is 9.3 percent. Thus, county-level estimates are often considerably less reliable

than unit or state-wide estimates. In general, as the size of an estimate decreases in relation to the total, the sampling error, expressed as a percentage of the estimate, increases.

Changes in forest inventory procedure

Since the 1971 inventory, many changes have been introduced as part of the Forest Inventory and Analysis unit's continuing effort to develop, test, and implement a more efficient inventory of the forest resource. Four significant changes affected the 1982 Maine inventory: (1) a new multiresource plot data collection procedure, (2) a new set of volume estimation procedures, (3) a new forest-land estimation procedure, and (4) a new procedure for developing county-level estimates.

The most significant change in the Maine reinventory is the collection and analysis of multiresource data. The 1982 inventory has been designed with special emphasis on the addition of data related to forest wildlife habitat, forest soils, and forest-tree biomass. A completely new field plot system was developed to allow the collection of these additional kinds of information as well as specific measurements related to forest area and tree volume estimation. A field manual describing the measurement procedures in detail is available upon request. Many new data processing procedures also were developed and implemented as part of the process.

The second change was the development of new timber volume estimation equations for both growing stock and sawtimber (Scott 1979, 1981). Basically, the volumes are now estimated by a nonlinear method; previously linear regression was used. Nonlinear estimation yields data with smaller errors between predicted and actual values and so is deemed more appropriate.

The third change, a new forest-land estimation procedure, involves an analysis of previously published forest land estimates. This process has two parts: a reexamination of all remeasured plots for proper land use assignment (forest vs. nonforest) and recalculation of the change in forest land between surveys. The combination of these changes enabled us to estimate more accurately what a county's timberland base was in 1971 and which counties had significant changes in that base. Recalculation of 1971's timberland base produced a statewide estimate that was 12,000 acres less than the previously published figure. This represented an insignificant change from the published total.

The fourth change was the refinement of our data processing system to develop all estimates of forest area and timber volume at the county level. In the past the data were developed at the unit level and prorated back to the county level, according to the distribution of photo-interpretation points. Development of county-level data helps users interested in more accurate local data.

Comparisons of 1971 and 1982 data

Some of the changes in inventory procedure discussed above make direct comparison of the 1971 data published in Ferguson and Kingsley (1972) with the 1982 data inappropriate. To assist users in the correct analysis of trends, we have recomputed much of the 1971 data using procedures consistent with the 1982 inventory. MANY TABLES OF 1971 DATA ARE PROVIDED IN THIS REPORT. THESE ESTIMATES HAVE BEEN RECOMPUTED AND SHOULD BE USED INSTEAD OF THOSE PUBLISHED PREVIOUSLY FOR MAKING TREND COMPARISONS.

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Table 1.--Land area by land class, Maine, 1982

Land class	Area	
	Thousand acres	Percent
Timberland	17,060.2	86
Noncommercial forest land:		
Productive reserved ^a	272.0	1
Unproductive ^b	273.1	2
Urban	2.1	
Total forest	17,607.4	89
Nonforest land:		
Cropland ^c	591.2	3
Pasture ^c	138.0	1
Other ^d	1,500.2	7
Total nonforest	2,229.4	11
Total land area ^e	19,836.8	100

^aIncludes 29,876 acres in the Acadia National Park, 161,268 acres in the Baxter State Park, and 35,519 acres in the Allagash Waterway.

^bIncludes 11,000 acres of unproductive reserved forest land.

^cSource: 1978 Census of Agriculture.

^dIncludes swampland, industrial areas, other nonforest land, and 126,259 acres classed as water by Forest Survey standards, but defined by the Bureau of the Census as land.

^eSource: United States Bureau of the Census, Areas of Maine: 1980. (October 1981).

Table 2.--Area of timberland by forest type, forest-type group, and stand-size class, Maine, 1971^a

(In thousands of acres)^b

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Jack pine	.0	.0	11.0	.0	11.0
Red pine	.0	.0	10.5	.0	10.5
White pine	425.8	213.7	368.3	.0	1,007.8
White pine/hemlock	237.0	70.7	38.4	.0	346.1
Hemlock	268.8	176.7	84.8	.0	530.3
White/red pine group	931.6	461.1	513.0	.0	1,905.7
Balsam fir	431.5	911.8	388.5	.0	1,731.8
Red spruce	521.9	449.0	131.6	.0	1,102.5
Red spruce/balsam fir	1,858.8	1,397.1	444.5	.0	3,700.4
White spruce	72.5	36.3	86.9	.0	195.7
Black spruce	38.6	71.4	74.3	.0	184.3
Northern white-cedar	698.3	466.6	190.3	.0	1,355.2
Tamarack	13.0	36.0	59.4	.0	108.4
Spruce/fir group	3,634.6	3,368.2	1,375.5	.0	8,378.3
Pitch pine	.0	.0	13.7	.0	13.7
Loblolly/shortleaf group	.0	.0	13.7	.0	13.7
White pine/no. red oak/white ash	.0	14.4	12.0	.0	26.4
Oak/pine group	.0	14.4	12.0	.0	26.4
White oak/red oak/hickory	.0	.0	12.0	.0	12.0
Northern red oak	60.1	113.8	21.4	.0	195.3
Red maple/central hardwoods	26.3	.0	23.7	.0	50.0
Mixed central hardwoods	.0	.0	13.7	.0	13.7
Oak/hickory group	86.4	113.8	70.8	.0	271.0
Black ash/Amer. elm/red maple	48.0	82.6	213.9	.0	344.5
Elm/ash/red maple group	48.0	82.6	213.9	.0	344.5
Sugar maple/beech/y. birch	1,722.3	903.5	478.4	.0	3,104.2
Black cherry	.0	12.8	.0	.0	12.8
Red maple/northern hardwoods	282.4	481.0	423.1	.0	1,186.5
Mixed northern hardwoods	214.2	248.8	119.9	.0	582.9
Northern hardwoods group	2,218.9	1,646.1	1,021.4	.0	4,886.4
Aspen	54.5	297.8	223.2	.0	575.5
Paper birch	60.4	109.9	100.3	.0	270.6
Gray birch	.0	.0	123.7	.0	123.7
Aspen/birch group	114.9	407.7	447.2	.0	969.8
Indeterminate	.0	.0	74.2	12.2	86.4
Total, all groups	7,034.4	6,093.9	3,741.7	12.2	16,882.2

^aThe data on all 1971 tables have been reprocessed so as to be comparable to 1982 data because of various changes in data processing and calculation procedures between surveys.

^bIn this and other tables zeroes indicate no or negligible data. Dashes indicate no data.

Table 3.--Area of timberland by forest type, forest-type group, and stand-size class, Maine, 1982

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Red pine	24.1	9.6	9.2	.0	42.9
White pine	751.8	218.2	61.1	.0	1,031.1
White pine/hemlock	314.0	183.3	8.3	.0	505.6
Hemlock	447.0	145.7	22.4	.0	615.1
White/red pine group	1,536.9	556.8	101.0	.0	2,194.7
Balsam fir	372.3	535.3	185.3	8.4	1,101.3
Red spruce	632.6	478.0	45.7	9.7	1,166.0
Red spruce/balsam fir	1,907.0	1,086.0	328.1	.0	3,321.1
White spruce	87.0	62.9	.0	5.0	154.9
Black spruce	8.5	205.0	64.7	.0	278.2
Northern white-cedar	1,030.1	457.8	145.3	.0	1,633.2
Tamarack	45.7	47.0	23.1	.0	115.8
Spruce/fir group	4,083.2	2,872.0	792.2	23.1	7,770.5
Pitch pine	4.1	.0	4.2	.0	8.3
Loblolly/shortleaf group	4.1	.0	4.2	.0	8.3
White pine/no. red oak/wh. ash	15.5	20.7	.0	.0	36.2
Oak/pine group	15.5	20.7	.0	.0	36.2
Post/black/bear oak	.0	4.2	.0	.0	4.2
White oak	4.2	.0	.0	.0	4.2
Northern red oak	66.1	122.8	20.1	.0	209.0
Hawthorn/reverting field	3.9	.0	.0	.0	3.9
Red maple/central hardwoods	12.5	12.7	18.9	.0	44.1
Mixed central hardwoods	18.9	12.5	9.7	.0	41.1
Oak/hickory group	105.6	152.2	48.7	.0	306.5
Black ash/Amer. elm/red maple	31.6	130.2	4.5	.0	166.3
Willow	10.4	.0	41.9	.0	52.3
American elm/green ash	4.0	11.6	4.0	.0	19.6
Elm/ash/red maple group	46.0	141.8	50.4	.0	238.2
Sugar maple/beech/y. birch	1,956.5	976.2	201.5	.0	3,134.2
Black cherry	.0	9.6	9.2	.0	18.8
Red maple/northern hardwoods	396.3	642.1	169.8	.0	1,208.2
Pin cherry/reverting field	.0	10.6	106.3	9.0	125.9
Mixed northern hardwoods	204.7	259.7	49.4	.0	513.8
Northern hardwoods group	2,557.5	1,898.2	536.2	9.0	5,000.9
Aspen	143.5	648.2	229.2	.0	1,020.9
Paper birch	20.8	275.1	74.2	.0	370.1
Gray birch	4.2	30.8	78.9	.0	113.9
Aspen/birch group	168.5	954.1	382.3	.0	1,504.9
Total, all groups	8,517.3	6,595.8	1,915.0	32.1	17,060.2

Table 4.--Area of timberland by forest-type group and ownership class, Maine, 1982

(In thousands of acres)

Forest-type group	Ownership class				All classes
	National Forest	Other public	Forest industry	Other private	
White/red pine	4.0	109.7	406.2	1,674.8	2,194.7
Spruce/fir	10.6	319.6	4,491.2	2,949.1	7,770.5
Loblolly/shortleaf	-	-	-	8.3	8.3
Oak/pine	-	4.5	-	31.7	36.2
Oak/hickory	4.1	-	8.8	293.6	306.5
Elm/ash/red maple	5.4	9.8	97.2	125.8	238.2
Northern hardwoods	21.5	120.7	2,565.7	2,293.0	5,000.9
Aspen/birch	-	80.2	447.8	976.9	1,504.9
Total, all groups	45.6	644.5	8,016.9	8,353.2	17,060.2

Table 5.--Area of timberland by stand-size and ownership classes, Maine, 1982

(In thousands of acres)

Stand-size class	Ownership class				All classes
	National Forest	Other public	Forest industry	Other private	
Sawtimber	25.5	357.3	4,448.4	3,686.1	8,517.3
Poletimber	15.9	233.9	2,728.5	3,617.5	6,595.8
Sapling and seedling	4.2	53.3	831.8	1,025.7	1,915.0
Nonstocked	-	-	8.2	23.9	32.1
All classes	45.6	644.5	8,016.9	8,353.2	17,060.2

Table 6.--Area of timberland by board foot stand-volume and ownership classes, Maine, 1982

(In thousands of acres)

Stand-volume class (board feet per acre)	Ownership class				All classes
	National Forest	Other public	Forest industry	Other private	
0 - 1,999	24.3	273.5	3,395.4	4,530.5	8,223.7
2,000 - 3,999	10.7	170.8	2,303.2	2,077.7	4,562.4
4,000 - 5,999	10.6	123.3	1,434.7	991.4	2,560.0
6,000 - 7,999	-	42.1	599.1	416.7	1,057.9
8,000 - 9,999	-	8.3	116.1	209.3	333.7
10,000+	-	26.5	168.4	127.6	322.5
All classes	45.6	644.5	8,016.9	8,353.2	17,060.2

Table 7.--Area of timberland by potential site productivity and ownership classes, Maine, 1982

(In thousands of acres)

Potential site productivity class	Ownership class				All classes
	National Forest	Other public	Forest industry	Other private	
Poor	34.9	269.0	3,228.7	3,629.7	7,162.3
Fair	10.7	308.9	4,231.0	3,808.8	8,359.4
Good	-	54.6	499.7	866.9	1,421.2
Very good	-	12.0	57.5	47.8	117.3
All classes	45.6	644.5	8,016.9	8,353.2	17,060.2

Table 8.--Area of timberland by forest-type group and cubic foot stand-volume class, Maine, 1982

(In thousands of acres)

Forest-type group	Stand-volume class (cubic feet per acre)						All classes
	0-499	500-999	1000-1499	1500-1999	2000-2499	2500+	
White/red pine	132.1	383.2	496.1	469.5	348.5	365.3	2,194.7
Spruce/fir	862.7	1,222.1	1,481.2	1,470.8	1,466.6	1,267.1	7,770.5
Loblolly/shortleaf	4.1	4.2	-	-	-	-	8.3
Oak/pine	9.0	-	18.9	4.3	-	4.0	36.2
Oak/hickory	72.7	57.0	61.8	79.6	27.3	8.1	306.5
Elm/ash/red maple	91.7	65.6	58.0	18.8	4.1	-	238.2
Northern hardwoods	656.6	1,121.6	1,217.8	1,259.5	572.4	173.0	5,000.9
Aspen/birch	446.2	263.6	320.7	315.2	109.6	49.6	1,504.9
Total, all groups	2,275.1	3,117.3	3,654.5	3,617.7	2,528.5	1,867.1	17,060.2

Table 9.--Area of timberland by forest-type group and board foot stand-volume class, Maine, 1982

(In thousands of acres)

Forest-type group	Stand-volume class (board feet per acre) ^a						All classes
	0-1999	2000-3999	4000-5999	6000-7999	8000-9999	10000+	
White/red pine	699.3	677.4	368.7	206.1	136.3	106.9	2,194.7
Spruce/fir	3,348.3	2,189.7	1,366.1	537.2	136.5	192.7	7,770.5
Loblolly/shortleaf	4.1	4.2	-	-	-	-	8.3
Oak/pine	21.6	14.6	-	-	-	-	36.2
Oak/hickory	207.7	43.8	36.4	14.5	4.1	-	306.5
Elm/ash/red maple	216.1	12.5	9.6	-	-	-	238.2
Northern hardwoods	2,537.4	1,422.4	701.4	268.4	48.4	22.9	5,000.9
Aspen/birch	1,189.2	197.8	77.8	31.7	8.4	-	1,504.9
Total, all groups	8,223.7	4,562.4	2,560.0	1,057.9	333.7	322.5	17,060.2

Table 10.--Area of timberland by forest-type group and green ton stand-volume class, Maine, 1982

(In thousands of acres)

Forest-type group	Stand-volume class (green tons per acre)									All classes
	0-24	25-49	50-74	75-99	100-124	125-149	150-174	175-199	200+	
White/red pine	39.3	233.5	437.9	389.5	477.0	299.7	174.5	100.5	42.8	2,194.7
Spruce/fir	571.5	999.6	1,552.2	1,596.5	1,657.0	943.5	332.8	113.6	3.8	7,770.5
Loblolly/shortleaf	4.1	-	4.2	-	-	-	-	-	-	8.3
Oak/pine	4.2	4.8	14.6	4.2	4.3	4.1	-	-	-	36.2
Oak/hickory	22.6	54.8	68.3	89.3	59.5	7.9	-	4.1	-	306.5
Elm/ash/red maple	50.3	74.2	44.6	36.6	22.1	10.4	-	-	-	238.2
Northern hardwoods	324.8	566.7	952.6	1,394.1	1,132.7	513.5	106.0	10.5	-	5,000.9
Aspen/birch	235.3	227.5	226.9	358.9	281.9	153.3	21.1	-	-	1,504.9
Total, all groups	1,252.1	2,161.1	3,301.3	3,869.1	3,634.5	1,932.4	634.4	228.7	46.6	17,060.2

Table 11.--Area of timberland by forest-type group and stocking class of all live trees, Maine, 1982

(In thousands of acres)

Forest-type group	Stocking class					All classes
	Nonstocked	Poorly stocked	Moderately stocked	Fully stocked	Overstocked	
White/red pine	-	72.5	231.7	592.5	1,298.0	2,194.7
Spruce/fir	23.1	262.2	648.0	1,526.3	5,310.9	7,770.5
Loblolly/shortleaf	-	-	4.1	4.2	-	8.3
Oak/pine	-	4.8	4.2	14.8	12.4	36.2
Oak/hickory	-	24.0	49.6	72.9	160.0	306.5
Elm/ash/red maple	-	9.6	80.9	50.4	97.3	238.2
Northern hardwoods	9.0	94.2	476.3	1,527.5	2,893.9	5,000.9
Aspen/birch	-	120.3	165.7	403.2	815.7	1,504.9
Total, all groups	32.1	587.6	1,660.5	4,191.8	10,588.2	17,060.2

Table 12.--Area of timberland by forest-type group and stocking class of growing-stock trees, Maine, 1971

(In thousands of acres)

Forest-type group	Stocking class					All classes
	Nonstocked	Poorly stocked	Moderately stocked	Fully stocked	Over-stocked	
White/red pine	35.6	144.5	399.9	847.9	477.8	1,905.7
Spruce/fir	-	248.6	1,529.8	3,410.2	3,189.7	8,378.3
Loblolly/shortleaf	-	13.7	-	-	-	13.7
Oak/pine	-	-	14.4	12.0	-	26.4
Oak/hickory	-	12.8	73.7	111.9	72.6	271.0
Elm/ash/red maple	-	58.9	109.6	100.0	76.0	344.5
Northern hardwoods	-	338.3	2,017.9	2,107.3	422.9	4,886.4
Aspen/birch	20.9	99.7	302.1	414.1	133.0	969.8
Indeterminate	59.4	-	27.0	-	-	86.4
Total, all groups	115.9	916.5	4,474.4	7,003.4	4,372.0	16,882.2

Table 13.--Area of timberland by forest-type group and stocking class of growing-stock trees, Maine, 1982

(In thousands of acres)

Forest-type group	Stocking class					All classes
	Nonstocked	Poorly stocked	Moderately stocked	Fully stocked	Over-stocked	
White/red pine	4.2	166.4	374.3	663.4	986.4	2,194.7
Spruce/fir	53.4	428.3	988.1	1,640.9	4,659.8	7,770.5
Loblolly/shortleaf	-	4.1	-	4.2	-	8.3
Oak/pine	-	9.0	10.6	4.2	12.4	36.2
Oak/hickory	-	27.8	74.0	100.6	104.1	306.5
Elm/ash/red maple	-	54.1	70.7	59.9	53.5	238.2
Northern hardwoods	21.6	242.8	1,273.5	1,714.1	1,748.9	5,000.9
Aspen/birch	-	158.4	218.7	444.5	683.3	1,504.9
Total, all groups	79.2	1,090.9	3,009.9	4,631.8	8,248.4	17,060.2

Table 14.--Area of timberland by forest-type group and basal area class, Maine, 1982

(In thousands of acres)

Forest-type group	Basal area class (square feet per acre)						All classes
	0-49	50-99	100-149	150-199	200-249	250-299	
White/red pine	160.5	601.9	874.3	443.7	105.8	8.5	2,194.7
Spruce/fir	709.8	1,866.3	2,725.3	2,055.8	388.4	24.9	7,770.5
Loblolly/shortleaf	4.1	-	4.2	-	-	-	8.3
Oak/pine	9.0	14.6	12.6	-	-	-	36.2
Oak/hickory	52.1	94.3	156.0	4.1	-	-	306.5
Elm/ash/red maple	66.8	116.1	26.8	28.5	-	-	238.2
Northern hardwoods	443.3	1,663.2	2,369.7	489.0	35.7	-	5,000.9
Aspen/birch	281.0	439.7	511.8	259.8	12.6	-	1,504.9
Total, all groups	1,726.6	4,796.1	6,680.7	3,280.9	542.5	33.4	17,060.2

Table 15.--Area of timberland by stocking class of all live trees and basal area class, Maine, 1982

(In thousands of acres)

Stocking class	Basal area class (square feet per acre)						All classes
	0-49	50-99	100-149	150-199	200-249	250-299	
0 -15 (Nonstocked)	32.1	.0	.0	.0	.0	.0	32.1
16 - 19	34.9	.0	.0	.0	.0	.0	34.9
20 - 29	61.6	.0	.0	.0	.0	.0	61.6
30 - 39	119.0	3.7	.0	.0	.0	.0	122.7
40 - 49	108.2	14.3	.0	.0	.0	.0	122.5
50 - 59	224.4	10.9	10.6	.0	.0	.0	245.9
Total poorly stocked	548.1	28.9	10.6	.0	.0	.0	587.6
60 - 69	179.2	101.5	.0	.0	.0	.0	280.7
70 - 79	153.1	166.5	.0	.0	.0	.0	319.6
80 - 89	163.4	395.7	.0	.0	.0	.0	559.1
90 - 99	50.8	381.5	57.6	11.2	.0	.0	501.1
Total moderately stocked	546.5	1,045.2	57.6	11.2	.0	.0	1,660.5
100 - 109	79.4	854.5	133.9	8.1	.0	.0	1,075.9
109 - 119	78.4	838.4	416.6	16.3	.0	.0	1,349.7
120 - 129	95.8	745.6	847.9	72.7	4.2	.0	1,766.2
Total fully stocked	253.6	2,438.5	1,398.4	97.1	4.2	.0	4,191.8
130 - 139	85.0	634.5	1,639.6	261.4	12.7	.0	2,633.2
140 - 149	161.4	345.7	2,378.4	1,069.4	75.7	.0	4,030.6
150 - 160	99.9	303.3	1,196.1	1,841.8	449.9	33.4	3,924.4
Total overstocked	346.3	1,283.5	5,214.1	3,172.6	538.3	33.4	10,588.2
Total all classes	1,726.6	4,796.1	6,680.7	3,280.9	542.5	33.4	17,060.2

Table 16.--Number of live trees on timberland by diameter and tree classes
and softwoods and hardwoods, Maine, 1982

(In thousands of trees)

Diameter class	Growing Stock		Cull		Total
	Softwoods	Hardwoods	Softwoods	Hardwoods	
Seedlings	31,182,722	35,175,354	-	14,277,031	80,635,107
1.0- 2.9	3,491,169	2,963,593	-	707,324	7,162,086
3.0- 4.9	1,673,390	1,066,547	-	138,926	2,878,863
Total seedlings and saplings	36,347,281	39,205,494	-	15,123,281	90,676,056
5.0- 6.9	915,549	467,068	179,348	191,375	1,753,340
7.0- 8.9	566,621	296,631	69,395	82,301	1,014,948
9.0-10.9	-	157,341	-	42,566	199,907
Total poletimber	1,482,170	921,040	248,743	316,242	2,968,195
9.0-10.9	284,949	-	29,003	-	313,952
11.0-12.9	133,770	80,127	15,718	21,213	250,828
13.0-14.9	60,290	38,225	6,662	12,648	117,825
Total small sawtimber	479,009	118,352	51,383	33,861	682,605
15.0-16.9	26,675	17,487	3,433	6,842	54,437
17.0-18.9	10,545	8,757	1,863	4,420	25,585
19.0-20.9	5,306	4,408	857	2,627	13,198
21.0-28.9	4,521	4,219	1,595	2,751	13,086
29.0 and larger	557	257	203	219	1,236
Total larger sawtimber	47,604	35,128	7,951	16,859	107,542
All classes	38,356,064	40,280,014	308,077	15,490,243	94,434,398

Table 17.--Number of trees (5.0+ inches dbh) on timberland by species and tree class, Maine, 1982

(In thousands of trees)

Species	Tree class								Total
	Preferred	Acceptable	All growing stock	Rough cull	Rotten cull	All live	Salvable dead	Nonsalvable dead	
Balsam fir	214,357	489,213	703,570	73,415	39,327	816,312	106,836	105,348	1,028,496
Tamarack	5,466	9,666	15,132	2,568	1,048	18,748	1,039	1,430	21,217
White spruce	33,333	48,633	81,966	3,367	1,745	87,078	3,172	1,412	91,662
Black spruce	38,065	46,293	84,358	3,393	940	88,691	4,499	1,906	95,096
Red spruce	229,473	359,846	589,319	27,527	14,415	631,261	25,241	18,112	674,614
Red pine	2,502	2,960	5,462	800	52	6,314	82	75	6,471
White pine	28,066	95,653	123,719	18,680	3,575	145,974	1,949	12,072	159,995
Northern white-cedar	63,930	190,690	254,620	49,156	38,387	342,163	22,212	26,962	391,337
Hemlock	28,887	120,590	149,477	23,599	5,669	178,745	2,146	2,962	183,853
Other softwoods	86	1,074	1,160	385	29	1,574	132	340	2,046
Total softwoods	644,165	1,364,618	2,008,783	202,890	105,187	2,316,860	167,308	170,619	2,654,787
Sugar maple	26,083	96,328	122,411	18,694	12,160	153,265	2,360	4,391	160,016
Soft maples	31,197	252,914	284,111	56,257	37,518	377,886	5,134	14,628	397,648
Yellow birch	14,254	82,803	97,057	18,929	10,998	126,984	3,869	16,372	147,225
Paper birch	38,792	151,816	190,608	15,463	9,087	215,158	9,461	14,027	238,646
Gray birch	1,149	16,255	17,404	13,886	3,002	34,292	3,502	5,016	42,810
Beech	6,285	82,300	88,585	32,833	36,457	157,875	4,181	14,763	176,819
White ash	9,636	20,591	30,227	2,278	2,244	34,749	773	1,178	36,700
Black ash	2,791	14,464	17,255	7,268	4,192	28,715	4,559	4,061	37,335
Aspen	50,283	112,813	163,096	13,151	12,800	189,047	8,707	14,071	211,825
White oaks	213	2,909	3,122	1,156	283	4,561	29	14	4,604
Red oaks	10,053	38,381	48,434	3,430	1,037	52,901	401	638	53,940
Basswood	559	1,680	2,239	249	265	2,753	34	41	2,828
Elm	545	2,762	3,307	1,207	1,131	5,645	1,003	4,267	10,915
Other commercial hardwoods	666	5,998	6,664	3,370	448	10,482	757	942	12,181
Noncommercial hardwoods	-	-	-	37,359 ^a	9,809	47,168	3,695	8,517	59,380
Total hardwoods	192,506	882,014	1,074,520	225,530^a	141,431	1,441,481	48,465	102,926	1,592,872
Total, all species	836,671	2,246,632	3,083,303	428,420^a	246,618	3,758,341	215,773	273,545	4,247,659

^aIncludes 20,132,000 trees that, except for being noncommercial species, would qualify as growing-stock trees.

Table 18.--Number of growing-stock trees on timberland by species and diameter class, Maine, 1982

(In thousands of trees)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	382,165	208,474	82,451	23,792	5,263	1,279	117	29	0	0	703,570
Tamarack	6,918	2,922	2,481	1,557	618	287	265	59	25	0	15,132
White spruce	40,418	23,059	11,221	4,706	1,776	567	112	65	42	0	81,966
Black spruce	53,817	19,993	7,617	1,800	947	126	29	29	0	0	84,358
Red spruce	248,528	172,130	91,846	43,896	20,667	7,579	2,906	1,122	629	16	589,319
Red pine	1,039	1,013	1,287	1,201	539	297	67	19	0	0	5,462
White pine	36,256	27,108	19,911	14,662	9,889	6,705	4,008	2,104	2,552	524	123,719
Northern white-cedar	94,343	72,817	42,366	24,964	12,028	5,085	1,571	986	460	0	254,620
Hemlock	51,837	38,725	25,580	17,039	8,402	4,711	1,460	893	813	17	149,477
Other softwoods	228	380	189	153	161	39	10	0	0	0	1,160
Total softwoods	915,549	566,621	284,949	133,770	60,290	26,675	10,545	5,306	4,521	557	2,008,783
Sugar maple	42,843	31,022	18,455	11,916	7,633	3,786	2,938	1,830	1,909	79	122,411
Red maple	134,827	78,083	39,191	18,295	7,775	3,031	1,715	754	372	68	284,111
Yellow birch	30,869	25,262	17,645	10,267	5,704	3,750	1,619	777	1,136	28	97,057
Paper birch	95,541	56,344	24,999	9,307	2,825	1,125	355	52	52	8	190,608
Gray birch	13,567	2,879	620	217	71	41	9	0	0	0	17,404
Beech	40,957	22,770	10,740	7,562	3,948	1,865	484	110	149	0	88,585
White ash	11,611	9,107	5,435	2,396	891	381	201	99	106	0	30,227
Black ash	8,025	4,982	2,108	1,232	580	158	49	92	29	0	17,255
Aspen	61,938	48,335	29,788	13,946	5,959	2,006	638	344	113	29	163,096
White oaks	1,683	956	259	57	75	64	0	22	6	0	3,122
Red oaks	19,619	13,613	6,820	4,092	2,191	1,070	489	271	257	12	48,434
Basswood	640	639	245	345	146	83	103	38	0	0	2,239
Elm	1,326	866	293	154	319	69	143	19	85	33	3,307
Other hardwoods	3,622	1,773	743	341	108	58	14	0	5	0	6,664
Total hardwoods	467,068	296,631	157,341	80,127	38,225	17,487	8,757	4,408	4,219	257	1,074,520
Total, all species	1,382,617	863,252	442,290	213,897	98,515	44,162	19,302	9,714	8,740	814	3,083,303

Table 19.--Net green weight of all live trees on timberland by species and diameter class, Maine 1982

(In thousands of tons)

Species	Diameter class (inches at breast height)										All classes
	1.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21+	
Balsam fir	57,817.6	62,142.0	60,755.0	38,496.7	16,826.0	5,631.1	1,892.3	231.9	75.9	42.6	243,911.1
Tamarack	1,378.1	1,118.1	887.9	1,205.1	967.5	615.3	338.2	392.4	117.9	61.0	7,081.5
White spruce	4,843.0	6,120.8	6,773.1	5,693.9	3,500.1	1,976.3	870.9	463.5	166.8	133.3	30,541.7
Black spruce	5,881.4	8,125.5	5,936.6	3,642.5	1,373.3	979.7	197.5	50.7	69.2	.0	26,256.4
Red spruce	24,957.3	40,380.2	51,697.5	45,806.5	33,576.2	22,260.4	11,128.8	5,895.4	2,699.3	2,339.1	240,740.7
Red pine	130.4	215.0	441.9	860.2	1,207.1	709.1	629.2	159.7	59.0	22.4	4,434.0
White pine	5,288.7	6,685.9	8,971.9	11,554.6	12,854.9	12,078.8	11,425.6	9,302.2	6,613.6	19,946.5	104,722.7
No. white-cedar	11,247.3	11,849.6	14,987.8	13,039.6	10,798.7	6,920.1	3,861.2	1,556.4	1,055.5	923.5	76,239.7
Hemlock	6,386.9	9,376.8	12,123.0	12,979.6	12,793.3	9,150.9	6,952.6	2,933.3	2,366.2	3,453.8	78,516.4
Other softwoods	28.5	31.1	97.4	83.2	56.3	79.9	30.4	6.9	.0	.0	413.7
Total softwoods	117,959.2	146,045.0	162,672.1	133,361.9	93,953.4	60,401.6	37,326.7	20,992.4	13,223.4	26,922.2	812,857.9
Sugar maple	9,601.6	8,987.8	11,982.7	11,546.5	11,171.1	10,128.9	7,465.0	7,000.6	6,401.5	10,474.9	94,760.6
Soft maples	24,842.7	26,386.1	28,594.1	23,479.5	17,199.7	10,881.2	5,988.7	4,406.4	2,714.1	2,775.1	147,267.6
Yellow birch	6,476.4	6,548.2	9,837.5	11,548.5	10,524.8	8,006.3	7,137.6	4,851.0	2,812.9	7,238.0	74,981.2
Paper birch	12,391.3	17,540.4	21,319.5	16,556.8	9,594.5	4,654.9	2,668.7	1,139.6	468.6	483.8	86,818.1
Gray birch	7,707.7	4,107.3	1,244.3	325.9	221.1	121.1	84.1	16.7	.0	.0	13,828.2
Beech	15,207.2	11,892.4	12,659.7	12,270.0	10,744.1	8,364.7	5,568.3	2,676.3	716.5	1,060.6	81,159.8
White ash	2,235.6	2,049.3	2,994.0	2,978.7	2,007.3	1,108.5	696.1	408.6	364.3	479.2	15,321.6
Black ash	2,236.4	2,196.8	2,136.7	1,471.5	1,198.5	768.5	344.8	159.7	249.0	77.3	10,839.2
Aspen	7,346.4	10,860.3	16,283.5	16,889.1	11,850.0	7,739.1	3,241.6	1,632.8	1,119.6	703.3	77,665.7
White oaks	568.1	395.5	314.9	136.0	47.2	88.2	116.7	77.7	93.8	183.4	2,021.5
Red oaks	2,789.1	3,304.5	4,378.3	3,518.4	3,395.7	2,498.1	1,739.5	1,049.3	846.7	1,368.3	24,887.9
Basswood	160.1	86.3	134.6	69.4	129.0	75.6	60.6	92.9	31.2	2.5	842.2
Elm	506.3	403.9	435.1	247.1	186.0	414.1	97.1	275.0	41.8	661.2	3,267.6
Other comm. hrdwds.	1,312.2	939.2	737.3	418.8	318.0	158.5	133.8	23.9	21.6	82.6	4,145.9
Noncomm. hardwoods	12,805.0	3,851.2	1,728.5	403.9	156.8	224.1	94.7	22.8	30.4	46.3	19,363.7
Total hardwoods	106,186.1	99,549.2	114,780.7	101,860.1	78,743.8	55,231.8	35,437.3	23,833.3	15,912.0	25,636.5	657,170.8
Total, all species	224,145.3	245,594.2	277,452.8	235,222.0	172,697.2	115,633.4	72,764.0	44,825.7	29,135.4	52,558.7	1,470,028.7

Table 20.--Net volume and green weight of all trees on timberland by class of material and softwoods and hardwoods, Maine, 1982

Class of material	Volume ^a			Weight ^b		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	----- Million cubic feet -----			----- Thousand tons -----		
Sawtimber trees:						
Sawlog portion	7,436.1	2,717.0	10,153.1	232,910.7	110,684.7	343,595.4
Upper stem	1,065.6	693.2	1,758.8	32,706.2	27,827.6	60,533.8
Total	8,501.7	3,410.3	11,912.0	265,616.9	138,512.3	404,129.2
Poletimber trees	6,256.6	4,627.5	10,884.1	181,544.4	174,834.2	356,378.6
All growing stock	14,758.3	8,037.8	22,796.1	447,161.3	313,346.5	760,507.8
Rough cull trees ^c	857.1	901.8	1,758.9	32,680.4	45,855.7	78,536.1
Rotten cull trees ^c	347.0	564.3	911.3	12,953.8	32,640.2	45,594.0
Salvable dead trees ^d	442.6	144.7	587.3	22,957.2	10,383.9	33,341.1
Saplings ^e	-	-	-	117,959.2	106,186.1	224,145.3
Stumps ^f	-	-	-	11,228.5	9,353.4	20,581.9
Tops - growing stock	-	-	-	173,543.1	120,135.3	293,678.4
Tops - rough and rotten	-	-	-	18,037.1	29,960.1	47,997.2
All non-growing stock	1,646.7	1,610.8	3,257.5	389,359.3	354,514.7	743,874.0
All classes	16,405.0	9,648.6	26,053.6	836,520.6	667,861.2	1,504,381.8

^aExcludes bark.

^bIncludes bark and sound cull; excludes rotten cull.

^cBole portion of trees 5.0 inches dbh and larger.

^dVolume of bole portion of trees 5.0 inches dbh and larger, and weight of entire tree aboveground.

^eIncludes entire tree aboveground.

^fOf all salvable dead and all live trees 5.0 inches dbh and larger.

Table 21.--Net volume of growing-stock trees on timberland by forest-type group and stand-size class, Maine, 1982

(In millions of cubic feet)

Forest type group	Stand-size class			All classes
	Sawtimber	Poletimber	Sapling and seedling	
White/red pine	2,731.7	616.8	31.0	3,379.5
Spruce/fir	7,903.4	3,628.0	216.6	11,748.0
Loblolly/shortleaf	2.9	-	-	2.9
Oak/pine	14.7	28.5	-	43.2
Oak/hickory	154.0	162.6	7.6	324.2
Elm/ash/red maple	29.4	102.3	10.3	142.0
Northern hardwoods	3,640.6	1,912.7	112.9	5,666.2
Aspen/birch	296.3	1,145.0	48.8	1,490.1
Total, all groups	14,773.0	7,595.9	427.2	22,796.1

Table 22.--Net volume of growing-stock trees on timberland by forest-type group and basal area class, Maine, 1982

(In millions of cubic feet)

Forest-type group	Basal area class (square feet per acre)						All classes
	0-49	50-99	100-149	150-199	200-249	250-299	
White/red pine	57.6	536.6	1,426.3	1,006.0	333.2	19.8	3,379.5
Spruce/fir	185.2	1,564.1	4,361.0	4,525.6	1,064.0	48.1	11,748.0
Loblolly/shortleaf	-	-	2.9	-	-	-	2.9
Oak/pine	2.8	16.9	23.5	-	-	-	43.2
Oak/hickory	9.8	83.5	220.7	10.2	-	-	324.2
Elm/ash/red maple	11.6	72.3	29.9	28.2	-	-	142.0
Northern hardwoods	81.4	1,295.5	3,333.9	865.7	89.7	-	5,666.2
Aspen/birch	41.3	315.6	661.0	459.0	13.2	-	1,490.1
Total, all groups	389.7	3,884.5	10,059.1	6,894.8	1,500.1	67.9	22,796.1

Table 23.--Net volume of growing-stock trees on timberland by species and forest-type group, Maine, 1982

(In millions of cubic feet)

Species	Forest-type group								All groups
	White/red pine	Spruce/fir	Loblolly/shortleaf	Oak/pine	Oak/hickory	Elm/ash/red maple	Northern hardwoods	Aspen/birch	
Balsam fir	176.0	3,051.7	-	-	9.5	16.6	659.1	118.9	4,031.8
Tamarack	4.9	94.6	-	-	-	1.6	9.4	4.6	115.1
White spruce	24.3	450.0	-	-	.7	-	45.6	35.0	555.6
Black spruce	1.9	440.8	-	-	-	1.7	5.4	1.7	451.5
Red spruce	235.3	3,837.1	-	.5	14.0	6.8	604.7	74.4	4,772.8
Red pine	55.6	8.0	-	-	1.3	-	1.5	2.0	68.4
White pine	1,262.7	288.4	-	11.8	25.4	-	116.8	30.5	1,735.6
Northern white-cedar	46.7	1,557.4	-	-	.5	10.0	62.9	23.7	1,701.2
Hemlock	742.7	281.8	-	-	10.0	-	260.2	20.0	1,314.7
Other softwoods	6.5	.8	2.9	-	.6	-	.6	.2	11.6
Total softwoods	2,556.6	10,010.6	2.9	12.3	62.0	36.7	1,766.2	311.0	14,758.3
Sugar maple	43.9	143.4	-	-	6.1	1.9	1,100.3	13.4	1,309.0
Red maple	239.4	433.2	-	.9	47.5	38.8	933.6	101.6	1,795.0
Yellow birch	36.5	249.5	-	-	3.9	2.6	608.5	19.8	920.8
Paper birch	129.0	442.7	-	1.0	17.7	1.0	270.2	269.2	1,130.8
Gray birch	21.3	12.2	-	.4	.4	1.0	16.8	10.6	62.7
Beech	35.3	19.1	-	1.1	11.9	-	550.1	12.2	629.7
White ash	30.1	22.8	-	-	8.3	8.7	157.3	16.9	244.1
Black ash	4.8	66.0	-	-	-	21.6	14.0	2.5	108.9
Aspen	114.3	334.9	-	.9	8.5	9.2	151.8	707.5	1,327.1
White oaks	8.7	-	-	.2	5.5	-	1.2	1.3	16.9
Red oaks	141.9	6.3	-	26.4	150.9	1.2	57.4	13.6	397.7
Basswood	1.7	1.5	-	-	.2	-	21.7	-	25.1
Elm	1.3	4.8	-	-	-	13.2	7.2	5.5	32.0
Other hardwoods	14.7	1.0	-	-	1.3	6.1	9.9	5.0	38.0
Total hardwoods	822.9	1,737.4	.0	30.9	262.2	105.3	3,900.0	1,179.1	8,037.8
Total, all species	3,379.5	11,748.0	2.9	43.2	324.2	142.0	5,666.2	1,490.1	22,796.1

Table 24.--Net volume of growing-stock trees on timberland by species
and stand-size class, Maine, 1971

(In millions of cubic feet)

Species	Stand-size class			All classes
	Sawtimber	Poletimber	Sapling and seedling	
Balsam fir	2,702.3	2,077.2	270.7	5,050.2
Tamarack	40.4	52.8	17.5	110.7
White spruce	413.1	199.4	39.9	652.4
Black spruce	61.3	94.0	33.3	188.6
Red spruce	2,897.3	1,580.2	207.1	4,684.6
Red pine	18.0	8.0	6.3	32.3
White pine	954.6	341.9	179.1	1,475.6
Northern white-cedar	730.5	422.8	60.4	1,213.7
Hemlock	788.5	269.3	88.8	1,146.6
Other softwoods	-	1.6	-	1.6
Total all softwoods	8,606.0	5,047.2	903.1	14,556.3
Sugar maple	898.5	317.6	62.5	1,278.6
Red maple	680.6	743.2	181.4	1,605.2
Yellow birch	519.7	260.6	60.2	840.5
Paper birch	284.8	492.2	78.6	855.6
Gray birch	-	3.6	-	3.6
Beech	405.3	211.7	55.6	672.6
White ash	91.8	78.7	21.1	191.6
Black ash	65.2	29.8	11.9	106.9
Aspen	181.4	448.3	118.2	747.9
White oaks	2.7	.9	3.0	6.6
Red oaks	100.0	150.5	50.6	301.1
Basswood	36.5	16.5	15.7	68.7
Elm	56.1	27.5	21.9	105.5
Other hardwoods	16.0	5.5	4.7	26.2
Total all hardwoods	3,338.6	2,786.6	685.4	6,810.6
Total all species	11,944.6	7,833.8	1,588.5	21,366.9

Table 25.--Net volume of growing-stock trees on timberland by species and stand-size class, Maine, 1982

(In millions of cubic feet)

Species	Stand-size class			All classes
	Sawtimber	Poletimber	Sapling and seedling	
Balsam fir	2,709.0	1,245.4	77.4	4,031.8
Tamarack	58.3	47.9	8.9	115.1
White spruce	365.0	178.1	12.5	555.6
Black spruce	146.4	289.0	16.1	451.5
Red spruce	3,370.4	1,340.4	62.0	4,772.8
Red pine	45.9	17.7	4.8	68.4
White pine	1,355.0	364.2	16.4	1,735.6
Northern white-cedar	1,301.5	371.1	28.6	1,701.2
Hemlock	1,004.0	293.3	17.4	1,314.7
Other softwoods	9.2	2.1	.3	11.6
Total all softwoods	10,364.7	4,149.2	244.4	14,758.3
Sugar maple	998.7	290.2	20.1	1,309.0
Red maple	966.4	787.3	41.3	1,795.0
Yellow birch	660.6	239.9	20.3	920.8
Paper birch	459.3	640.5	31.0	1,130.8
Gray birch	24.0	36.3	2.4	62.7
Beech	430.6	191.7	7.4	629.7
White ash	118.3	116.8	9.0	244.1
Black ash	65.8	42.0	1.1	108.9
Aspen	431.5	862.1	33.5	1,327.1
White oaks	9.4	7.4	.1	16.9
Red oaks	197.5	188.8	11.4	397.7
Basswood	11.7	10.5	2.9	25.1
Elm	19.2	10.9	1.9	32.0
Other hardwoods	15.3	22.3	.4	38.0
Total all hardwoods	4,408.3	3,446.7	182.8	8,037.8
Total all species	14,773.0	7,595.9	427.2	22,796.1

Table 26.--Net volume of growing-stock trees on timberland by species and cubic foot stand-volume class, Maine, 1982

(In millions of cubic feet)

Species	Stand-volume class (cubic feet per acre)						All classes
	0-499	500-999	1000-1499	1500-1999	2000-2499	2500+	
Balsam fir	63.0	367.5	663.2	803.0	1,024.1	1,111.0	4,031.8
Tamarack	14.6	19.1	24.0	28.5	19.4	9.5	115.1
White spruce	10.6	58.4	103.5	138.1	102.1	142.9	555.6
Black spruce	20.5	43.9	122.9	94.2	83.8	86.2	451.5
Red spruce	38.3	282.5	554.9	1,078.1	1,166.8	1,652.2	4,772.8
Red pine	1.3	11.3	16.5	19.4	9.4	10.5	68.4
White pine	25.1	115.2	285.6	348.2	371.4	590.1	1,735.6
Northern white cedar	37.5	111.4	242.3	340.5	448.6	520.9	1,701.2
Hemlock	14.3	131.1	211.5	337.1	321.1	299.6	1,314.7
Other softwoods	.8	3.2	2.2	1.3	1.6	2.5	11.6
Total all softwoods	226.0	1,143.6	2,226.6	3,188.4	3,548.3	4,425.4	14,758.3
Sugar maple	14.7	117.8	262.6	444.5	353.5	115.9	1,309.0
Red maple	47.9	224.8	414.9	563.7	336.5	207.2	1,795.0
Yellow birch	18.5	114.7	189.4	283.3	205.7	109.2	920.8
Paper birch	32.3	76.2	242.0	383.5	221.6	175.2	1,130.8
Gray birch	4.2	11.2	14.4	19.7	11.3	1.9	62.7
Beech	14.5	85.7	131.3	227.2	123.6	47.4	629.7
White ash	12.8	23.4	64.7	69.8	35.8	37.6	244.1
Black ash	1.3	17.3	20.3	23.5	33.4	13.1	108.9
Aspen	46.9	162.6	337.3	391.6	232.2	156.5	1,327.1
White oaks	.7	4.3	3.7	3.6	1.3	3.3	16.9
Red oaks	19.1	37.9	91.6	120.1	63.0	66.0	397.7
Basswood	.0	6.1	8.1	1.9	6.1	2.9	25.1
Elm	2.6	6.0	17.6	3.8	1.7	.3	32.0
Other hardwoods	1.0	8.0	12.8	8.5	4.5	3.2	38.0
Total all hardwoods	216.5	896.0	1,810.7	2,544.7	1,630.2	939.7	8,037.8
Total all species	442.5	2,039.6	4,037.3	5,733.1	5,178.5	5,365.1	22,796.1

Distribution of Volume by Cubic Foot Stand-volume Classes Maine 1982

Billion Cubic Feet

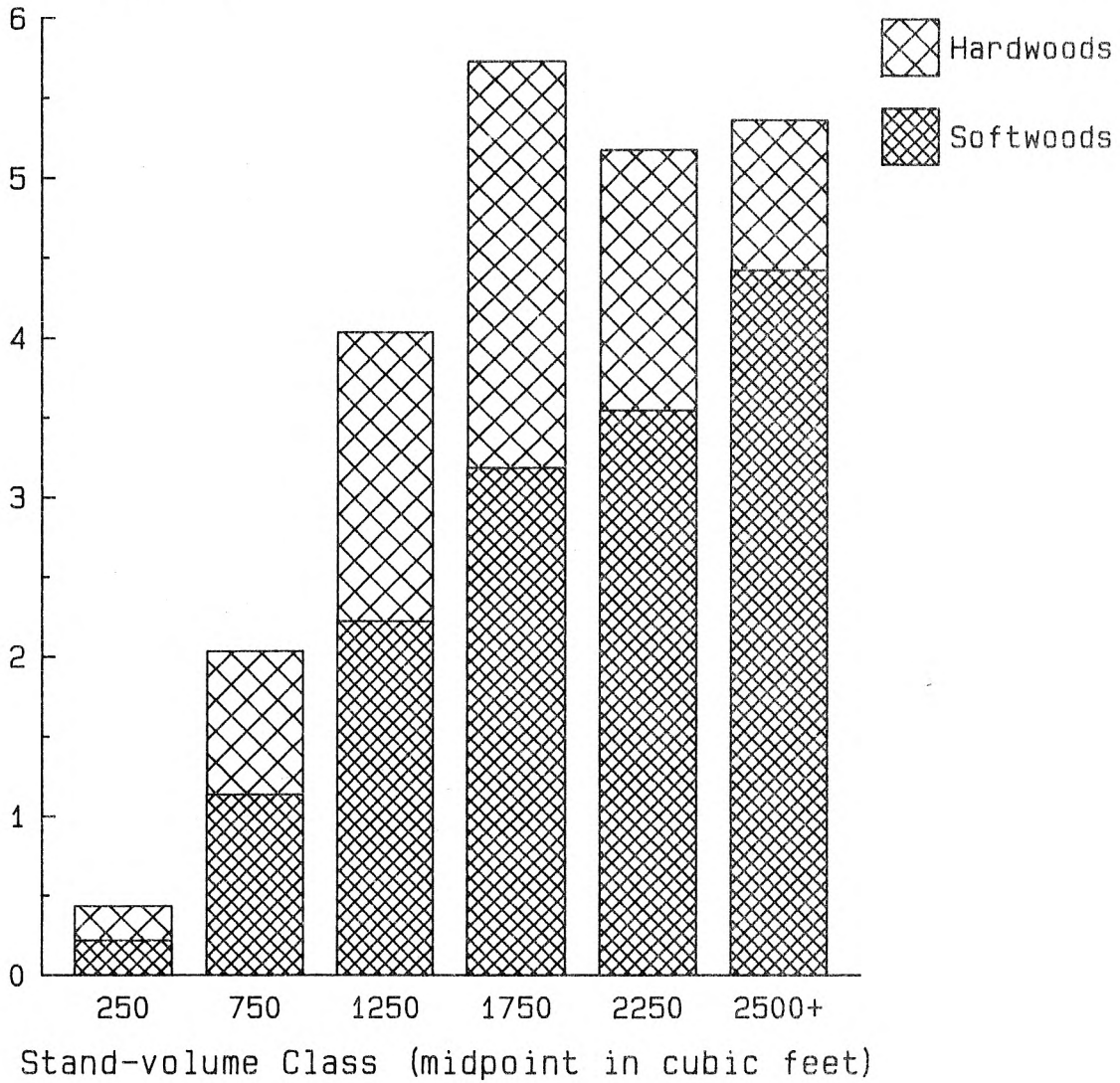


Table 27.--Net volume of growing-stock trees on timberland by species and diameter class, Maine, 1971

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	1,821.5	1,780.6	944.0	365.1	104.0	25.3	7.9	1.8	.0	.0	5,050.2
Tamarack	20.4	31.0	21.5	18.2	15.3	3.5	.0	.8	.0	.0	110.7
White spruce	132.2	163.5	140.1	111.8	41.7	32.4	15.8	7.0	7.9	.0	652.4
Black spruce	72.9	82.3	21.1	4.5	4.3	2.5	.0	1.0	.0	.0	188.6
Red spruce	1,062.5	1,177.5	970.1	651.5	406.7	215.5	124.7	47.8	28.3	.0	4,684.6
Red pine	4.4	3.2	5.6	7.0	4.0	5.8	.0	2.3	.0	.0	32.3
White pine	99.0	191.0	186.2	222.9	202.3	163.1	103.8	86.0	173.5	47.8	1,475.6
Northern white-cedar	235.6	330.7	269.2	186.0	89.6	52.6	30.2	5.7	12.5	1.6	1,213.7
Hemlock	160.8	206.5	208.5	195.7	145.6	111.1	56.3	24.2	36.9	1.0	1,146.6
Other softwoods	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.6
Total softwoods	3,609.3	3,966.3	2,767.9	1,762.7	1,013.5	611.8	338.7	176.6	259.1	50.4	14,556.3
Sugar maple	126.8	148.1	172.2	164.3	166.2	145.2	121.3	89.4	139.2	5.9	1,278.6
Red maple	292.7	402.6	319.3	222.9	162.6	111.3	46.5	23.6	20.0	3.7	1,605.2
Yellow birch	99.6	116.3	138.9	156.3	111.1	73.0	58.4	36.2	47.5	3.2	840.5
Paper birch	214.1	214.4	207.8	98.8	64.7	23.9	19.3	6.3	5.0	1.3	855.6
Gray birch	.0	2.7	.9	.0	.0	.0	.0	.0	.0	.0	3.6
Beech	99.2	148.8	144.9	111.2	85.0	52.4	17.2	8.3	5.6	.0	672.6
White ash	27.0	45.2	41.6	28.6	14.2	19.3	6.1	3.4	4.8	1.4	191.6
Black ash	16.2	17.8	16.1	22.8	18.1	13.8	2.1	.0	.0	.0	106.9
Aspen	140.6	209.2	175.2	120.4	59.3	23.8	17.5	1.9	.0	.0	747.9
White oaks	1.8	.0	.0	1.9	.0	1.1	.9	.0	.0	.9	6.6
Red oaks	35.7	52.1	52.6	51.1	42.0	19.9	16.9	15.3	14.3	1.2	301.1
Basswood	11.8	10.4	8.2	15.6	6.9	6.5	.0	6.6	2.7	.0	68.7
Elm	7.6	15.6	19.2	17.7	9.2	7.2	8.2	8.6	8.5	3.7	105.5
Other hardwoods	9.6	7.6	2.0	4.0	.7	.8	.0	.0	1.5	.0	26.2
Total hardwoods	1,082.7	1,390.8	1,298.9	1,015.6	740.0	498.2	314.4	199.6	249.1	21.3	6,810.6
Total, all species	4,692.0	5,357.1	4,066.8	2,778.3	1,753.5	1,110.0	653.1	376.2	508.2	71.7	21,366.9

Table 28.--Net volume of growing-stock trees on timberland by species and diameter class, Maine, 1982

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	1,122.7	1,367.1	943.5	416.3	134.5	40.7	5.4	1.6	.0	.0	4,031.8
Tamarack	17.4	15.7	24.9	22.4	13.0	8.1	9.7	2.6	1.3	.0	115.1
White spruce	117.5	149.9	130.7	83.0	43.8	19.3	4.6	3.6	3.2	.0	555.6
Black spruce	169.1	131.6	87.1	32.9	23.6	4.7	1.2	1.3	.0	.0	451.5
Red spruce	791.7	1,147.0	1,058.6	775.8	515.5	256.2	126.7	56.6	42.6	2.1	4,772.8
Red pine	3.5	6.4	13.4	19.3	12.8	9.2	2.8	1.0	.0	.0	68.4
White pine	102.9	168.5	219.4	247.1	231.8	214.6	164.8	107.9	191.6	87.0	1,735.6
Northern white-cedar	227.4	359.3	355.5	314.4	214.1	122.1	48.0	36.3	24.1	.0	1,701.2
Hemlock	139.6	216.5	249.5	249.8	178.2	132.4	52.8	42.2	51.7	2.0	1,314.7
Other softwoods	.6	2.2	1.9	2.3	3.2	1.1	.3	.0	.0	.0	11.6
Total softwoods	2,692.4	3,564.2	3,084.5	2,163.3	1,370.5	808.4	416.3	253.1	314.5	91.1	14,758.3
Sugar maple	115.5	186.5	195.5	189.8	166.7	111.1	113.6	87.3	133.2	9.8	1,309.0
Red maple	327.9	439.5	378.6	279.3	163.4	82.0	60.4	34.7	21.2	8.0	1,795.0
Yellow birch	81.6	141.7	168.8	153.9	112.3	100.2	54.3	33.9	71.4	2.7	920.8
Paper birch	266.7	346.0	258.4	147.3	59.7	33.7	12.7	2.5	2.9	.9	1,130.8
Gray birch	32.8	17.4	5.8	3.6	1.7	1.1	.3	.0	.0	.0	62.7
Beech	99.1	131.5	110.9	119.7	83.6	52.2	19.3	4.7	8.7	.0	629.7
White ash	33.1	57.5	58.0	39.2	21.0	12.0	9.4	5.6	8.3	.0	244.1
Black ash	20.3	27.3	20.4	17.6	11.7	4.0	1.8	4.3	1.5	.0	108.9
Aspen	188.5	322.2	331.1	231.9	139.5	60.2	24.4	18.6	7.2	3.5	1,327.1
White oaks	4.0	5.2	2.5	.9	1.3	2.0	.0	.7	.3	.0	16.9
Red oaks	51.9	84.4	69.5	65.3	48.8	30.1	17.8	12.5	15.7	1.7	397.7
Basswood	1.8	4.1	2.9	5.7	3.3	2.6	3.1	1.6	.0	.0	25.1
Elm	3.4	3.9	3.0	2.3	5.0	1.8	3.6	.7	5.0	3.3	32.0
Other hardwoods	10.0	10.3	8.0	5.2	1.9	1.8	.4	.0	.4	.0	38.0
Total hardwoods	1,236.6	1,777.5	1,613.4	1,261.7	819.9	494.8	321.1	207.1	275.8	29.9	8,037.8
Total, all species	3,929.0	5,341.7	4,697.9	3,425.0	2,190.4	1,303.2	737.4	460.2	590.3	121.0	22,796.1

Table 29.--Net volume of sawtimber trees on timberland by species and diameter class, Maine, 1971

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	3,200.6	1,439.9	427.6	101.9	36.7	8.6	.0	.0	5,215.3
Tamarack	64.1	63.5	57.6	15.0	.0	3.1	.0	.0	203.3
White spruce	475.4	436.1	173.2	146.9	68.6	32.4	38.0	.0	1,370.6
Black spruce	68.7	16.7	15.5	9.4	.0	4.5	.0	.0	114.8
Red spruce	3,245.9	2,504.5	1,661.5	901.0	522.3	196.0	110.6	.0	9,141.8
Red pine	17.2	29.3	16.4	27.6	.0	11.2	.0	.0	101.7
White pine	605.1	890.2	888.2	746.8	489.8	416.9	879.6	240.1	5,156.7
Northern white-cedar	652.0	527.0	261.4	166.4	90.1	20.6	36.3	6.5	1,760.3
Hemlock	614.4	650.5	534.7	404.9	207.1	88.3	129.8	4.6	2,634.3
Other softwoods	4.6	.0	.0	.0	.0	.0	.0	.0	4.6
Total softwoods	8,948.0	6,557.7	4,036.1	2,519.9	1,414.6	781.6	1,194.3	251.2	25,703.4
Sugar maple	.0	654.1	712.4	640.4	547.2	419.2	683.3	30.5	3,687.1
Red maple	.0	812.9	638.2	471.9	194.3	101.4	87.1	15.1	2,320.9
Yellow birch	.0	627.8	474.3	319.8	258.1	164.0	219.2	9.7	2,072.9
Paper birch	.0	404.6	278.7	107.0	83.4	24.6	21.7	4.6	924.6
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	452.8	373.3	241.2	76.7	36.0	23.9	.0	1,203.9
White ash	.0	109.3	59.4	84.7	28.0	16.5	20.6	6.5	325.0
Black ash	.0	89.8	76.7	56.4	9.5	.0	.0	.0	232.4
Aspen	.0	476.7	246.1	108.8	80.1	7.2	.0	.0	918.9
White oaks	.0	5.9	.0	4.5	3.4	.0	.0	4.2	18.0
Red oaks	.0	190.7	164.7	85.6	77.2	64.9	69.0	4.0	656.1
Basswood	.0	63.4	30.6	28.1	.0	33.9	15.7	.0	171.7
Elm	.0	72.3	37.3	31.9	38.9	41.0	41.0	14.4	276.8
Other hardwoods	.0	14.4	3.5	4.8	.0	.0	9.0	.0	31.7
Total hardwoods	.0	3,974.7	3,095.2	2,185.1	1,396.8	908.7	1,190.5	89.0	12,840.0
Total, all species	8,948.0	10,532.4	7,131.3	4,705.0	2,811.4	1,690.3	2,384.8	340.2	38,543.4

^aInternational 1/4-inch rule.

Table 30.--Net volume of sawtimber trees on timberland by species and diameter class, Maine, 1982

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	3,312.3	1,727.8	603.4	184.6	26.3	7.4	.0	.0	5,861.8
Tamarack	77.9	81.9	51.0	32.4	38.9	9.9	5.3	.0	297.3
White spruce	452.1	347.4	188.6	93.7	18.4	16.8	17.4	.0	1,134.4
Black spruce	294.5	138.5	109.2	23.4	6.5	6.8	.0	.0	578.9
Red spruce	3,703.7	3,253.0	2,365.1	1,213.1	629.7	284.7	211.6	13.3	11,674.2
Red pine	43.5	76.8	54.8	41.2	14.2	5.5	.0	.0	236.0
White pine	738.6	996.2	1,020.6	999.4	784.6	530.4	990.4	460.0	6,520.2†
Northern white-cedar	913.2	968.2	734.5	433.7	178.4	134.2	92.1	.0	3,454.3
Hemlock	794.5	938.0	722.9	564.7	236.5	182.2	238.6	10.6	3,688.0
Other softwoods	5.6	8.4	12.9	4.3	1.3	.0	.0	.0	32.5
Total softwoods	10,335.9	8,536.2	5,863.0	3,590.5	1,934.8	1,177.9	1,555.4	483.9	33,477.6
Sugar maple	.0	708.4	695.2	480.0	503.4	414.3	620.0	38.3	3,459.6
Red maple	.0	1,034.8	651.3	346.6	264.5	154.0	97.8	41.9	2,590.9
Yellow birch	.0	594.3	470.8	418.3	229.4	144.1	315.4	13.5	2,185.8
Paper birch	.0	574.6	247.7	142.3	55.5	11.0	14.6	4.1	1,049.8
Gray birch	.0	13.4	7.1	4.3	1.4	.0	.0	.0	26.2
Beech	.0	479.3	361.8	233.8	86.0	20.9	33.2	.0	1,215.0
White ash	.0	155.6	88.3	53.4	43.7	26.1	42.2	.0	409.3
Black ash	.0	70.9	47.3	17.7	8.9	18.9	5.8	.0	169.5
Aspen	.0	939.6	604.2	263.7	112.1	89.2	35.8	15.8	2,060.4
White oaks	.0	3.6	5.4	9.5	.0	3.4	1.3	.0	23.2
Red oaks	.0	243.7	198.6	130.4	78.4	58.2	75.9	10.3	795.5
Basswood	.0	22.3	14.5	13.0	13.9	7.4	.0	.0	71.1
Elm	.0	7.5	22.0	6.3	16.8	4.0	27.9	18.0	102.5
Other hardwoods	.0	19.7	8.8	8.2	2.0	.0	2.3	.0	41.0
Total hardwoods	.0	4,867.7	3,423.0	2,127.5	1,416.0	951.5	1,272.2	141.9	14,199.8
Total, all species	10,335.9	13,403.9	9,286.0	5,718.0	3,350.8	2,129.4	2,827.6	625.8	47,677.4

^aInternational 1/4-inch rule.

Table 31.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Maine, 1971

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4b	All grades	Grade 1	Grade 2	Grade 3	Grade 4b	All grades
Balsam fir ^c	.0	.0	.0	.0	5,215.3	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	203.3	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	1,370.6	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	114.8	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	9,141.8	.0	.0	.0	.0	.0
Red pine	9.5	10.0	82.2	.0	101.7	4.7	5.5	28.8	.0	39.0
White pine	197.5	493.9	2,612.2	1,853.1	5,156.7	170.1	304.3	1,253.5	1,045.4	2,773.3
Northern white-cedar ^c	.0	.0	.0	.0	1,760.3	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	2,634.3	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	4.6	.0	.0	.0	.0	.0
Total softwoods	207.0	503.9	2,694.4	1,853.1	25,703.4	174.8	309.8	1,282.3	1,045.4	2,812.3
Sugar maple	635.9	939.5	1,702.8	408.9	3,687.1	582.2	641.1	870.6	225.6	2,319.5
Red maple	144.1	462.2	1,424.2	290.4	2,320.9	119.4	239.5	427.3	83.6	869.8
Yellow birch	286.6	542.7	1,079.4	164.2	2,072.9	216.9	304.5	387.5	61.9	970.8
Paper birch	63.3	210.5	545.1	105.7	924.6	44.0	77.0	99.7	20.3	241.0
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	32.1	90.9	823.3	257.6	1,203.9	18.1	35.7	249.2	75.0	378.0
White ash	66.2	89.8	127.1	41.9	325.0	53.4	36.2	48.7	18.2	156.5
Black ash	43.7	63.3	94.0	31.4	232.4	25.0	11.1	24.0	6.0	66.1
Aspen	44.9	149.4	574.9	149.7	918.9	25.6	47.8	99.7	22.7	195.8
White oaks	.0	2.2	12.5	3.3	18.0	.0	2.2	7.7	2.1	12.0
Red oaks	123.4	151.9	321.0	59.8	656.1	97.6	80.4	96.1	26.4	300.5
Basswood	45.3	44.7	72.5	9.2	171.7	32.4	19.5	22.0	4.0	77.9
Elm	35.8	89.4	126.6	25.0	276.8	24.8	66.9	63.3	12.3	167.3
Other hardwoods	3.9	2.4	20.9	4.5	31.7	3.9	2.3	5.8	1.8	13.8
Total hardwoods	1,525.2	2,838.9	6,924.3	1,551.6	12,840.0	1,243.3	1,564.2	2,401.6	559.9	5,769.0
Percent of hardwood in each grade	12	22	54	12	100	22	27	42	9	100

^aInternational 1/4-inch rule.^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.^cThese species are not divided into standard-lumber grades.

Table 32.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Maine, 1982

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	5,861.8	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	297.3	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	1,134.4	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	578.9	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	11,674.2	.0	.0	.0	.0	.0
Red pine	92.1	22.3	121.6	.0	236.0	27.1	3.6	30.1	.0	60.8
White pine	756.7	1,369.5	2,896.7	1,497.2	6,520.2	657.0	690.7	1,549.6	867.2	3,764.5
Northern white-cedar ^c	.0	.0	.0	.0	3,454.3	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	3,688.0	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	32.5	.0	.0	.0	.0	.0
Total softwoods	848.8	1,391.8	3,018.3	1,497.2	33,477.6	684.1	694.3	1,579.7	867.2	3,825.3
Sugar maple	537.6	792.7	1,526.9	602.4	3,459.6	462.3	513.1	748.0	332.5	2,055.9
Red maple	101.8	471.1	1,457.4	560.6	2,590.9	92.6	201.7	430.8	179.6	904.7
Yellow birch	198.5	597.5	1,094.6	295.2	2,185.8	170.3	327.3	476.2	146.9	1,120.7
Paper birch	69.4	311.5	545.5	123.4	1,049.8	46.4	68.8	91.3	21.3	227.8
Gray birch	2.6	4.0	14.0	5.6	26.2	.0	.9	4.0	.8	5.7
Beech	26.6	148.6	721.8	318.0	1,215.0	14.8	60.1	212.0	87.0	373.9
White ash	72.0	100.7	166.2	70.4	409.3	60.8	42.9	43.0	18.8	165.5
Black ash	6.8	49.3	80.4	33.0	169.5	1.8	15.0	27.6	6.7	51.1
Aspen	207.7	583.0	970.4	299.3	2,060.4	154.4	145.8	164.8	51.8	516.8
White oaks	5.1	4.6	7.0	6.5	23.2	5.1	2.8	2.0	4.2	14.1
Red oaks	136.1	251.5	308.0	99.9	795.5	116.6	90.6	101.7	44.4	353.3
Basswood	7.3	24.8	32.8	6.2	71.1	4.4	11.7	13.9	4.2	34.2
Elm	26.4	29.2	33.8	13.1	102.5	26.4	21.1	18.6	7.0	73.1
Other hardwoods	3.5	6.2	23.7	7.6	41.0	3.5	3.3	2.9	2.9	12.6
Total hardwoods	1,401.4	3,374.7	6,982.5	2,441.2	14,199.8	1,159.4	1,505.0	2,336.8	908.2	5,909.4
Percent of hardwood in each grade	10	24	49	17	100	20	25	40	15	100

^aInternational 1/4-inch rule.^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.^cThese species are not divided into standard-lumber grades.

Table 33.--Net volume suitable for pulpwood on timberland by species and tree class, Maine, 1982

(In thousands of cords)

Species	Growing stock		Rough		Total
	Poletimber	Sawtimber	Poletimber	Sawtimber	
Balsam fir	29,452	18,311	2,738	307	50,808
Tamarack	400	980	66	60	1,506
White spruce	3,173	3,422	96	181	6,872
Black spruce	3,556	1,788	140	25	5,509
Red spruce	23,116	33,940	971	611	58,638
Red pine	116	694	17	54	881
White pine	3,187	17,641	428	1,734	22,990
Northern white cedar	7,082	13,471	1,241	1,606	23,400
Hemlock	4,269	11,565	658	643	17,135
Other softwoods	33	103	9	19	164
Total all softwoods	74,384	101,915	6,364	5,240	187,903
Sugar maple	6,066	10,045	754	899	17,764
Soft maples	14,051	8,182	2,195	1,257	25,685
Yellow birch	4,802	6,538	746	854	12,940
Paper birch	10,522	3,196	685	168	14,571
Gray birch	680	83	422	20	1,205
Beech	4,197	3,634	1,446	861	10,138
White ash	1,774	1,151	98	55	3,078
Black ash	838	520	301	62	1,721
Aspen	10,147	6,004	723	157	17,031
White oaks	142	65	27	19	253
Red oaks	2,437	2,336	104	102	4,979
Basswood	107	204	10	5	326
Elm	126	297	40	20	483
Other comm. hardwoods	348	125	125	68	666
Noncomm. hardwoods	644	31	440	40	1,155
Total all hardwoods	56,881	42,411	8,116	4,587	111,995
Total all species	131,265	144,326	14,480	9,827	299,898

Table 34.--Average annual net change of growing-stock volume on timberland by species and component, Maine, 1971 - 1981^a

(In thousands of cubic feet)

Species	Ingrowth	Accretion	Gross growth	Mortality	Cull increment	Net growth	Removals ^b	Net change
Balsam fir	43,493	80,242	123,735	-100,796	-22,850	89	-87,159	-87,070
Spruce	31,123	126,142	157,265	-28,266	-12,097	116,902	-95,160	21,742
Pine	15,031	65,823	80,854	-9,131	-7,747	63,976	-38,664	25,312
Northern white-cedar	10,308	53,242	63,550	-7,412	-8,456	47,682	-6,025	41,657
Hemlock	6,816	35,996	42,812	-3,471	-2,880	36,461	-22,086	14,375
Other softwoods	1,110	3,690	4,800	-2,280	-508	2,012	-793	1,219
Total softwoods	107,881	365,135	473,016	-151,356	-54,538	267,122	-249,887	17,235
Sugar maple	7,782	28,993	36,775	-3,594	-7,961	25,220	-22,639	2,581
Yellow birch	6,544	24,811	31,355	-5,682	-6,590	19,083	-12,226	6,857
Paper birch	17,274	29,936	47,210	-4,252	-3,927	39,031	-15,520	23,511
Beech	7,735	20,966	28,701	-6,175	-16,805	5,721	-9,389	-3,668
White ash	6,915	5,401	12,316	-1,655	-1,494	9,167	-4,697	4,470
Aspen	24,557	43,846	68,403	-6,417	-4,661	57,325	-7,812	49,513
Oak	4,664	10,236	14,900	-427	-1,025	13,448	-4,332	9,116
Other hardwoods	23,999	50,462	74,461	-18,544	-20,447	35,470	-23,048	12,422
Total hardwoods	99,470	214,651	314,121	-46,746	-62,910	204,465	-99,663	104,802
All species	207,351	579,786	787,137	-198,102	-117,448	471,587	-349,550	122,037

^aThis table does not equal the sum of tables 142 through 150 because calculation procedures were slightly different.

^bRemovals are based on data from the Maine Timber Cut Reports issued annually by the Maine Forest Service. Removals for fuelwood and removals from the timberland base as a result of change in land use are only partially accounted for.

Table 35.--Output of timber products by product, softwoods and hardwoods, and source of material, Maine, 1981

Product and species group	Standard units	Output from roundwood		Output from manufacturing residues		Total output	
		Number of units	Thousand cubic feet	Number of units	Thousand cubic feet	Number of units	Thousand cubic feet
Sawlogs							
Softwood	Mbf ^a	730,896	117,007	-	-	730,896	117,007
Hardwood	Mbf	62,881	9,581	-	-	62,881	9,581
Total	Mbf	793,777	126,588	-	-	793,777	126,588
Veneer logs and bolts							
Softwood	Mbf	8,116	1,241	-	-	8,116	1,241
Hardwood	Mbf	30,327	4,636	-	-	30,327	4,636
Total	Mbf	38,443	5,877	-	-	38,443	5,877
Pulpwood							
Softwood	Std cords ^b	2,198,571	186,879	754,800	25,180	2,953,371	212,059
Hardwood	Std cords	1,219,015	103,616	82,600	3,584	1,301,615	107,200
Total	Std cords	3,417,586	290,495	837,400	28,764	4,254,986	319,259
Turnery bolts							
Softwood	Mbf	212	18	-	-	212	18
Hardwood	Mbf	80,960	6,882	-	-	80,960	6,882
Total	Mbf	81,172	6,900	-	-	81,172	6,900
Piling							
Softwood	M linear ft	-	-	-	-	-	-
Hardwood	M linear ft	3	2	-	-	3	2
Total	M linear ft	3	2	-	-	3	2
Poles							
Softwood	M pieces	1	6	-	-	1	6
Hardwood	M pieces	-	-	-	-	-	-
Total	M pieces	1	6	-	-	1	6
Posts							
Softwood	M pieces	475	651	-	-	475	651
Hardwood	M pieces	4	5	-	-	4	5
Total	M pieces	479	656	-	-	479	656

Table 35.--continued

Product and species group	Standard units	Output from roundwood		Output from manufacturing residues		Total output	
		Number of units	Thousand cubic feet	Number of units	Thousand cubic feet	Number of units	Thousand cubic feet
Cabin logs							
Softwood	M linear ft	719	316	-	-	719	316
Hardwood	M linear ft	-	-	-	-	-	-
Total	M linear ft	719	316	-	-	719	316
Other ^c							
Softwood	Mft ³		4,288		244		4,532
Hardwood	Mft ³		3,554		122		3,676
Total	Mft ³		7,842		366		8,208
Total industrial products							
Softwood	Mft ³		310,406		25,424		335,830
Hardwood	Mft ³		128,276		3,706		131,982
Total	Mft ³		438,682		29,130		467,812
Fuelwood ^d							
Softwood	std cord ^e	261,576	20,926	198,050	15,844	459,626	36,770
Hardwood	std cords	1,286,212	102,897	110,162	8,813	1,396,374	111,710
Total	std cords	1,547,788	123,823	308,212	24,657	1,856,000	148,480
All products ^f							
Softwood	Mft ³		331,332		41,268		372,600
Hardwood	Mft ³		231,173		12,519		243,692
Total	Mft ³		562,505		53,787		616,292

^aInternational 1/4-inch rule.

^bRough wood basis, includes both production from roundwood and chips from manufacturing residues, equivalent to 85 cubic feet of solid wood.

^cIncludes fence stock, rails, and pickets.

^dThe estimate of total fuelwood output is from: Comprehensive Energy Resources Plan, by the Maine Office of Energy Resources, 1983. The estimate includes 994 thousand cords used for residential, 62 thousand cords used for commercial, and 800 thousand cords used for industrial energy. The estimate of output from manufacturing residues was derived from a complete canvass of wood using mills.

^eRough wood basis includes both production from roundwood and chips from manufacturing residues, equivalent to 80 cubic feet of solid wood.

^fDoes not include 5,367 cubic feet of softwood and 1,255 cubic feet of hardwood residues used for agricultural purposes.

Table 36.--Output of roundwood products by product, softwoods and hardwoods, and source of material, Maine, 1981

(In thousands of cubic feet)

Product and species group	Growing-stock trees ^a			Rough and rotten trees ^a	Salvable dead trees ^a	Other sources ^b	All sources
	Poletimber	Sawtimber	Total				
PRINCIPAL INDUSTRIAL PRODUCTS							
Sawlogs							
Softwood	1,265	93,137	94,402	297	1,503	20,805	117,007
Hardwood	153	8,460	8,613	262	-	706	9,581
Total	1,418	101,597	103,015	559	1,503	21,511	126,588
Veneer logs and bolts							
Softwood	20	1,127	1,147	-	-	94	1,241
Hardwood	77	4,208	4,285	-	-	351	4,636
Total	97	5,335	5,432	-	-	445	5,877
Pulpwood							
Softwood	35,498	113,397	148,895	6,298	1,305	30,381	186,879
Hardwood	20,083	62,382	82,465	8,143	387	12,621	103,616
Total	55,581	175,779	231,360	14,441	1,692	43,002	290,495
MISCELLANEOUS INDUSTRIAL PRODUCTS							
Turn stock							
Softwood	4	11	15	-	-	3	18
Hardwood	1,416	4,310	5,726	-	-	1,156	6,882
Total	1,420	4,321	5,741	-	-	1,159	6,900
Piling							
Softwood	-	-	-	-	-	-	-
Hardwood	d	2	2	-	-	d	2
Total	d	2	2	-	-	d	2
Poles							
Softwood	1	4	5	-	-	1	6
Hardwood	-	-	-	-	-	-	-
Total	1	4	5	-	-	1	6
Posts							
Softwood	134	408	542	-	-	109	651
Hardwood	1	3	4	-	-	1	5
Total	135	411	546	-	-	110	656
Cabin logs							
Softwood	3	252	255	1	4	56	316
Hardwood	-	-	-	-	-	-	-
Total	3	252	255	1	4	56	316
Other							
Softwood	882	2,686	3,568	-	-	720	4,288
Hardwood	731	2,226	2,957	-	-	597	3,554
Total	1,613	4,912	6,525	-	-	1,317	7,842

Table 36.--continued

(In thousands of cubic feet)

Product and species group	Growing-stock trees ^a			Rough and rotten trees ^a	Salvable dead trees ^a	Other sources ^b	All sources
	Poletimber	Sawtimber	Total				
TOTAL INDUSTRIAL PRODUCTS							
Softwood	37,807	211,022	248,829	6,596	2,812	52,169	310,406
Hardwood	22,461	81,591	104,052	8,405	387	15,432	128,276
Total	60,268	292,613	352,881	15,001	3,199	67,601	438,682
NONINDUSTRIAL PRODUCTS							
Fuelwood ^c							
Softwood	492	2,342	2,834	1,150	9,407	7,535	20,926
Hardwood	2,231	10,618	12,849	8,281	46,257	35,510	102,897
Total	2,723	12,960	15,683	9,431	55,664	43,045	123,823
ALL PRODUCTS							
Softwood	38,299	213,364	251,663	7,746	12,219	59,704	331,332
Hardwood	24,692	92,209	116,901	16,686	46,644	50,942	231,173
Total	62,991	305,573	368,564	24,432	58,863	110,646	562,505

^aOn timberland.^bIncludes trees less than 5.0 inches in diameter, tree tops and limbs from commercial forest areas, or any material from noncommercial forest land or nonforest land such as fence rows and suburban areas.^cThe estimate of roundwood fuelwood output is adapted from: Comprehensive Energy Resources Plan, by the Maine Office of Energy Resources, 1983.^dLess than 500 cubic feet.

Table 37.--Timber removals from growing stock and sawtimber on timberland by item, softwoods and hardwoods, Maine, 1981

Item	Growing stock			Sawtimber		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	-----Thousand cubic feet-----			-----Thousand board feet ^a -----		
Roundwood products:						
Sawlogs	94,402	8,613	103,015	418,420	36,166	454,586
Veneer logs and bolts	1,147	4,285	5,432	5,063	17,989	23,052
Pulpwood	148,895	82,465	231,360	485,469	286,562	772,031
Turn stock	15	5,726	5,741	17,773	57	17,830
Piling	-	2	2	-	8	8
Poles	5	-	5	21	-	21
Posts	542	4	546	2,112	12	2,124
Cabin logs	255	-	255	1,132	-	1,132
Other	3,568	2,957	6,525	13,901	9,180	23,081
Fuelwood ^b	2,834	12,849	15,683	10,026	48,775	58,801
All products	251,663	116,901	368,564	953,917	398,749	1,352,666
Logging residues	28,634	3,184	31,818	75,814	22,342	98,156
Land use change ^c	4,349	2,393	6,742	10,123	4,619	14,742
Total removals	32,983	5,577	38,560	85,937	26,961	112,898

^aInternational 1/4-inch rule.

^bThe estimate of growing-stock fuelwood is adapted from: Comprehensive Energy Resources Plan, by the Maine Office of Energy.

^cThe volume of timber removed from the timberland base from which no forest products were used, computed on an average annual basis.

Table 38.--Volume of unused residues^a from primary manufacturing plants by softwoods and hardwoods, type of residue, and industry, Maine, 1981

(In thousands of cubic feet)

Species group and type of residue	Lumber ^b	Veneer and plywood	Other	All industries
Softwoods				
Coarse ^c	104	-	267	371
Fine ^d	154	-	208	362
Total	258	-	475	733
Hardwoods	10	-	19	29
Coarse	51	66	6	123
Fine				
Total	61	66	25	152
All species	114	-	286	400
Coarse	205	66	214	485
Fine				
Total	319	66	500	885

^aIncludes only woody material; does not include bark.

^bIncludes residues from sawlogs and boltwood sawn into lumber products.

^cIncludes slabs, edgings, trimmings, veneer cores, and other material suitable for chipping.

^dIncludes sawdust, shavings, and other materials considered unsuitable for chipping.

Table 39.--Sampling errors for estimates in various state level tables, Maine, 1971 and 1982

(In percent)

Forest type and forest-type group	Table 2 1971	Table 3 1982
Jack pine	100.1	-
Red pine	100.0	46.1
White pine	9.6	7.5
White pine/hemlock	19.3	11.6
Hemlock	14.4	11.3
White/red pine group	6.7	5.1
Balsam fir	7.9	8.8
Red spruce	10.1	8.7
Red spruce/balsam fir	5.0	4.7
White spruce	24.8	23.7
Black spruce	25.7	18.2
Northern white-cedar	9.0	7.0
Tamarack	33.2	27.2
Spruce/fir group	2.5	2.4
Pitch pine	100.0	70.7
Loblolly/shortleaf group	100.0	70.7
White pine/northern red oak/white ash	71.0	41.0
Oak/pine group	71.0	41.0
Post/black/bear oak	-	100.0
White oak/red oak/hickory	97.9	-
White oak	-	100.0
Northern red oak	24.5	16.6
Hawthorn/reverting field	-	100.1
Red maple/central hardwoods	50.2	36.3
Mixed central hardwoods	100.0	41.5
Oak/hickory group	20.7	13.7
Black ash/American elm/red maple	18.8	22.4
Willow	-	42.2
American elm/green ash	-	44.4
Elm/ash/red maple group	18.8	18.5
Sugar maple/beech/yellow birch	5.6	4.9
Black cherry	100.0	70.7
Red maple/northern hardwoods	9.9	8.0
Pin cherry/reverting field	-	23.9
Mixed northern hardwoods	14.3	12.8
Northern hardwoods group	4.2	3.5
Aspen	13.9	8.9
Paper birch	20.7	15.6
Gray birch	30.7	27.4
Aspen/birch group	10.6	7.3
Indeterminate	37.6	-
Total, all groups	.4	.3

Table 39.--continued

(In percent)

Stand-size class	Table 2 1971	Table 3 1982	Table 21
Sawtimber	3.0	2.2	2.2
Poletimber	3.5	2.9	3.7
Sapling and seedling	4.3	5.9	9.8
Nonstocked	99.0	51.2	-
Ownership class	Table 4		
National Forest	-		
Other public	12.4		
Forest industry	2.2		
Other private	2.2		
Stand-volume class (board feet per acre)	Table 6		
0 - 1,999	2.2		
2,000 - 3,999	3.8		
4,000 - 5,999	5.5		
6,000 - 7,999	8.9		
8,000 - 9,999	15.6		
10,000+	16.1		
Potential site productivity class	Table 7		
Poor	26.9		
Fair	7.6		
Good	2.3		
Very good	2.7		
Stand-volume class (cubic feet per acre)	Table 8	Table 26	
0-499	5.2	7.8	
500-999	4.8	5.6	
1000-1499	4.4	4.9	
1500-1999	4.4	4.6	
2000-2499	5.4	5.3	
2500+	6.4	5.7	
Green ton stand-volume class (green tons per acre)	Table 10		
0-24	7.4		
25-49	5.8		
50-74	4.7		
75-99	4.2		
100-124	4.4		
125-149	6.4		
150-174	11.5		
175-199	19.6		
200+	33.3		

Table 39.--continued

(In percent)

Stocking class of all live trees	Table 11	
Nonstocked	51.2	
Poorly stocked	11.4	
Moderately stocked	6.8	
Fully stocked	4.0	
Overstocked	1.8	
Stocking class of growing-stock trees	Table 12 1971	Table 13 1982
Nonstocked	30.0	33.0
Poorly stocked	11.2	8.4
Moderately stocked	4.5	5.0
Fully stocked	3.2	3.8
Overstocked	4.4	2.4
Basal area class (square feet per acre)	Table 14	Table 22
0-49	6.3	10.1
50-99	3.6	4.8
100-149	2.8	3.2
150-199	4.7	4.5
200-249	12.6	12.6
250-299	46.6	47.6
300+	-	-
Stocking class of all live trees	Table 15	
0 - 15	51.2	
16 - 19	46.8	
20 - 29	40.2	
30 - 39	26.5	
40 - 49	26.3	
50 - 59	18.9	
60 - 69	17.7	
70 - 79	16.4	
80 - 89	12.4	
90 - 99	13.5	
100 - 109	8.8	
109 - 119	7.8	
120 - 129	6.8	
130 - 139	5.3	
140 - 149	4.1	
150 - 160	4.2	

Table 39.--continued

(In percent)

Diameter class	Table 16 Softwoods	Table 16 Hardwoods	Table 18	Table 19	Table 27 1971	Table 28 1982	Table 29 1971	Table 30 1982
Less than 1.0	3.7	3.4	2.5	-	-	-	-	-
1.0- 2.9	3.9	4.4	2.9	-	-	-	-	-
3.0- 4.9	4.3	5.2	3.3	(1.0-4.9)2.6	-	-	-	-
5.0- 6.9	2.7	3.0	1.9	1.6	2.2	2.2	-	-
7.0- 8.9	2.4	2.8	1.7	1.5	1.9	1.7	-	-
9.0-10.9	2.5	3.0	1.7	1.6	2.1	1.7	3.4	2.8
11.0-12.9	2.8	3.3	2.0	1.9	2.5	1.9	2.6	2.3
13.0-14.9	3.6	4.0	2.6	2.4	3.1	2.5	3.0	2.5
15.0-16.9	4.7	5.0	3.5	3.3	4.1	3.4	3.9	3.7
17.0-18.9	7.0	6.5	4.8	4.4	5.3	4.8	4.9	4.5
19.0-20.9	8.5	8.9	6.2	5.6	6.7	6.1	6.4	5.9
21.0-28.9	8.9	9.4	6.4	(21+)6.3	6.8	6.6	6.6	6.3
29.0 and larger	25.0	31.4	20.2	-	16.0	21.6	16.4	21.6
All classes	3.1	3.1	2.1	1.0	1.1	1.1	1.7	1.6

Table 39.--continued

(In percent)

Species	Table 17	Table 18	Table 19	Table 24 1971	Table 25 1982	Table 29 1971	Table 30 1982	Table 33
Balsam fir	2.7	3.0	2.7	3.1	3.1	5.2	4.7	3.2
Tamarack	15.8	15.6	14.8	19.9	15.2	25.3	18.6	14.8
White spruce	7.2	7.4	7.6	7.7	7.6	9.3	9.3	7.6
Black spruce	13.1	13.3	12.8	23.1	12.8	31.6	19.8	12.8
Red spruce	4.0	4.2	3.7	3.5	3.4	4.5	4.0	3.8
Red pine	31.5	30.8	27.3	22.5	25.9	28.1	25.0	27.1
White pine	6.0	6.5	5.6	7.3	5.7	7.2	5.7	5.8
Northern white-cedar	5.5	6.2	5.5	6.6	5.8	7.9	6.8	5.7
Hemlock	6.0	6.5	5.5	7.5	5.7	9.0	6.2	5.8
Other softwoods	26.8	30.9	27.7	100.3	33.1	100.6	35.6	30.1
Total softwoods	1.9	2.0	1.8	1.7	1.6	2.5	2.1	2.0
Sugar maple	5.8	6.3	5.5	7.0	6.3	7.7	7.4	5.9
Red/soft maple(s)	3.4	3.8	3.2	4.6	3.8	6.6	5.9	3.5
Yellow birch	4.2	4.9	4.4	6.0	5.4	7.2	6.9	4.8
Paper birch	4.9	5.3	4.6	6.8	5.0	11.3	8.8	4.8
Gray birch	9.6	13.0	10.8	99.7	12.6	-	36.9	10.6
Beech	6.5	7.7	6.3	8.2	8.0	10.5	10.0	7.3
White ash	10.3	10.6	10.0	13.6	11.4	16.9	17.3	10.9
Black ash	12.7	15.1	12.8	15.7	15.3	20.2	20.8	13.6
Aspen	6.3	6.6	5.9	9.5	6.4	15.6	8.9	6.3
White oaks	25.3	24.9	18.2	58.3	22.0	66.0	47.0	21.8
Red oaks	8.0	7.8	7.1	14.1	7.9	17.0	10.3	7.7
Basswood	21.4	23.5	22.3	19.3	27.9	24.2	36.6	27.3
Elm	18.7	20.0	27.9	22.5	34.6	26.4	53.8	33.7
Other commercial hrdwds.	14.2	17.0	13.9	27.7	16.6	43.5	25.0	15.4
Noncommercial hardwoods	8.2	-	7.3	-	-	-	-	9.6
Total hardwoods	1.9	2.2	1.9	3.0	2.5	3.9	3.6	2.1
Total, all species	1.1	1.3	1.0	1.1	1.1	1.7	1.6	1.2

Table 39.--continued

(In percent)

Class of material	Table 20	
	Volume	Weight
Sawlog portion	1.5	1.9
Upper stem	1.5	1.7
Total sawtimber trees	1.5	1.8
Poletimber trees	1.6	1.4
Rough cull trees	2.8	2.8
Rotten cull trees	3.6	3.6
Salvable dead trees	4.6	3.9
Saplings		2.6
Stumps		1.0
Tops - growing stock		1.1
Tops - rough and rotten		2.1
All non-growing stock		1.1
All classes		1.0

Forest type group	Table 21
White/red pine	5.5
Spruce/fir	2.7
Loblolly/shortleaf	99.0
Oak/pine	45.2
Oak/hickory	16.2
Elm/ash/red maple	22.8
Northern hardwoods	4.5
Aspen/birch	9.3

Standard lumber log grade (total hardwoods)	Table 31	Table 32
	1971	1982
All sizes	1.7	1.6
Grade 1	2.6	2.3
Grade 2	4.4	3.5
Grade 3	3.3	2.9
Grade 4	5.1	3.9
>15" diameter		
Grade 1	4.8	4.1
Grade 2	5.3	4.7
Grade 3	4.5	4.0
Grade 4	7.2	6.1

Table 40.--Area of timberland by forest type, forest-type group, and geographic unit, Maine, 1982

(In thousands of acres)

Forest type and forest-type group	Aroostook County	Capital Region	Casco Bay	Hancock County	Penobscot County
Red pine	-	-	4.2	9.2	19.1
White pine	8.4	222.3	380.3	27.6	77.0
White pine/hemlock	-	68.2	181.5	9.3	86.7
Hemlock	33.9	68.3	113.1	46.8	132.4
White/red pine group	42.3	358.8	679.1	92.9	315.2
Balsam fir	285.0	63.3	12.9	46.3	47.4
Red spruce	215.8	49.9	8.2	94.0	95.9
Red spruce/balsam fir	846.9	58.6	8.3	177.2	336.0
White spruce	75.5	12.0	5.0	-	9.6
Black spruce	143.4	-	-	9.6	9.5
Northern white-cedar	636.2	44.5	-	66.3	297.2
Tamarack	34.8	15.5	4.4	9.6	9.5
Spruce/fir group	2,237.6	243.8	38.8	403.0	805.1
Pitch pine	-	-	8.3	-	-
Loblolly/shortleaf group	-	-	8.3	-	-
White pine/no. red oak/w. ash	-	4.0	21.6	-	-
Oak/pine group	-	4.0	21.6	-	-
Post/black/bear oak	-	-	4.2	-	-
White oak	-	-	4.2	-	-
Northern red oak	-	75.1	71.9	9.2	-
Hawthorn/reverting field	-	3.9	-	-	-
Red maple/central hardwoods	-	-	33.1	-	-
Mixed central hardwoods	-	-	20.9	9.7	-
Oak/hickory group	-	79.0	134.3	18.9	-
Black ash/Amer. elm/red maple	42.4	12.1	16.7	9.5	38.3
Willow	17.3	-	4.0	-	9.6
American elm/green ash	-	19.6	-	-	-
Elm/ash/red maple group	59.7	31.7	20.7	9.5	47.9
Sugar maple/beech/yellow birch	846.2	83.9	42.4	93.4	304.7
Black cherry	-	-	-	9.2	9.6
Red maple/northern hardwoods	92.9	186.2	142.7	55.8	105.0
Pin cherry/reverting field	43.4	16.3	17.3	-	9.0
Mixed northern hardwoods	50.2	36.2	63.6	27.6	76.6
Northern hardwoods group	1,032.7	322.6	266.0	186.0	504.9
Aspen	361.8	72.9	64.7	37.7	123.8
Paper birch	34.3	28.0	12.8	28.3	38.1
Gray birch	-	11.6	12.5	-	37.7
Aspen/birch group	396.1	112.5	90.0	66.0	199.6
All forest types	3,768.4	1,152.4	1,258.8	776.3	1,872.7

Table 40.--Continued

(In thousands of acres)

Forest type and forest-type group	Piscataquis County	Somerset County	Washington County	Western Maine	All units
Red pine	-	10.4	-	-	42.9
White pine	52.3	72.4	-	190.8	1,031.1
White pine/hemlock	12.3	31.0	31.7	84.9	505.6
Hemlock	31.5	62.1	63.3	63.7	615.1
White/red pine group	96.1	175.9	95.0	339.4	2,194.7
Balsam fir	115.6	186.9	118.4	225.5	1,101.3
Red spruce	283.6	176.5	158.0	84.1	1,166.0
Red spruce/balsam fir	661.6	633.5	327.4	271.6	3,321.1
White spruce	10.5	-	21.1	21.2	154.9
Black spruce	10.5	51.8	42.7	10.7	278.2
Northern white-cedar	244.6	207.2	126.6	10.6	1,633.2
Tamarack	31.5	-	10.5	-	115.8
Spruce/fir group	1,357.9	1,255.9	804.7	623.7	7,770.5
Pitch pine	-	-	-	-	8.3
Loblolly/shortleaf group	-	-	-	-	8.3
White pine/no. red oak/w. ash	-	-	-	10.6	36.2
Oak/pine group	-	-	-	10.6	36.2
Post/black/bear oak	-	-	-	-	4.2
White oak	-	-	-	-	4.2
Northern red oak	-	10.4	10.6	31.8	209.0
Hawthorn/reverting field	-	-	-	-	3.9
Red maple/central hardwoods	-	-	11.0	-	44.1
Mixed central hardwoods	10.5	-	-	-	41.1
Oak/hickory group	10.5	10.4	21.6	31.8	306.5
Black ash/Amer. elm/red maple	10.5	10.3	21.1	5.4	166.3
Willow	-	10.4	11.0	-	52.3
American elm/green ash	-	-	-	-	19.6
Elm/ash/red maple group	10.5	20.7	32.1	5.4	238.2
Sugar maple/beech/yellow birch	462.3	571.1	158.4	571.8	3,134.2
Black cherry	-	-	-	-	18.8
Red maple/northern hardwoods	143.9	93.2	139.1	249.4	1,208.2
Pin cherry/reverting field	-	20.7	-	19.2	125.9
Mixed northern hardwoods	52.4	62.1	21.0	124.1	513.8
Northern hardwoods group	658.6	747.1	318.5	964.5	5,000.9
Aspen	83.5	72.8	128.5	75.2	1,020.9
Paper birch	21.0	51.7	21.1	134.8	370.1
Gray birch	-	-	32.7	19.4	113.9
Aspen/birch group	104.5	124.5	182.3	229.4	1,504.9
All forest types	2,238.1	2,334.5	1,454.2	2,204.8	17,060.2

Table 41.--Area of timberland by ownership class and geographic unit, Maine, 1982

(In thousands of acres)

Ownership class	Aroostook County	Capital Region	Casco Bay	Hancock County	Penobscot County
National Forest	-	-	3.2	-	3.7
Other federal	5.6	.2	1.7	.5	-
State	82.7	9.6	7.6	22.0	22.9
Indian ^a	-	-	-	16.5	80.3
County and municipal	76.0	7.2	8.1	2.5	6.9
Total public	164.3	17.0	20.6	41.5	113.8
Forest industry ^b	1,955.6	38.6	104.4	337.0	761.1
Farmer ^c	273.4	202.9	268.1	64.6	132.8
Miscellaneous private:					
Individual	488.8	777.8	753.6	242.1	381.9
Corporate	58.9	53.3	30.3	17.7	69.6
Other	827.4	62.8	81.8	73.4	413.5
Total private	3,604.1	1,135.4	1,238.2	734.8	1,758.9
All ownerships	3,768.4	1,152.4	1,258.8	776.3	1,872.7

Table 41.--Continued

Ownership class	Piscataquis County	Somerset County	Washington County	Western Maine	All units
National Forest	-	-	-	38.7	45.6
Other federal	-	-	11.2	-	19.2
State	86.0	55.4	22.5	45.5	354.2
Indian ^a	2.7	-	11.6	46.0	157.1
County and municipal	2.9	2.2	.5	7.7	114.0
Total public	91.6	57.6	45.8	137.9	690.1
Forest industry ^b	1,433.1	1,647.9	858.1	881.1	8,016.9
Farmer ^c	20.0	105.5	94.2	145.0	1,306.5
Miscellaneous private:					
Individual	130.3	244.2	311.9	673.3	4,003.9
Corporate	37.9	159.2	28.4	117.1	572.4
Other	525.2	120.1	115.8	250.4	2,470.4
Total private	2,146.5	2,276.9	1,408.4	2,066.9	16,370.1
All ownerships	2,238.1	2,334.5	1,454.2	2,204.8	17,060.2

^aIncludes trust and fee tribal lands.^bIncludes unincorporated forest industry.^cIncludes lands owned by part-time farmers and corporations engaged in agriculture.

Table. 42--Net volume of growing-stock and sawtimber trees on timberland by geographic unit and ownership class, Maine, 1982

Geographic unit	Ownership class			All classes
	Publica	Forest industry	Other private	
GROWING STOCK				
----- Million cubic feet -----				
Aroostook County	268.3	2,818.3	2,262.4	5,349.0
Capital Region	16.9	53.3	1,339.9	1,410.1
Casco Bay	25.7	179.1	1,443.0	1,647.8
Hancock County	71.1	371.2	482.0	924.3
Penobscot County	135.2	1,057.8	1,012.7	2,205.7
Piscataquis County	149.5	2,225.7	1,075.7	3,450.9
Somerset County	87.2	2,501.7	832.3	3,421.2
Washington County	38.1	863.6	457.1	1,358.8
Western Maine	171.4	1,306.9	1,550.0	3,028.3
Total, all units	963.4	11,377.6	10,455.1	22,796.1
SAWTIMBER				
----- Million board feet ^b -----				
Aroostook County	615.7	6,088.2	4,452.4	11,156.3
Capital Region	37.3	127.9	2,797.9	2,963.1
Casco Bay	63.0	519.1	3,584.6	4,166.7
Hancock County	189.8	633.0	998.9	1,821.7
Penobscot County	360.9	2,393.0	1,838.1	4,592.0
Piscataquis County	288.3	5,208.9	2,291.3	7,788.5
Somerset County	258.1	4,965.6	1,592.5	6,816.2
Washington County	63.8	1,684.7	859.1	2,607.6
Western Maine	248.2	2,515.9	3,001.2	5,765.3
Total, all units	2,125.1	24,136.3	21,416.0	47,677.4

^aIncludes 52.6 million cubic feet and 84.6 million board feet in the White Mountain National Forest in Oxford County.

^bInternational 1/4-inch rule.

Table 43.--Area of timberland by forest type, forest-type group, and stand-size class, Aroostook County, Maine, 1971

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	13.1	.0	.0	.0	13.1
Hemlock	23.7	.0	.0	.0	23.7
White/red pine group	36.8	.0	.0	.0	36.8
Balsam fir	209.7	339.6	111.8	.0	661.1
Red spruce	143.7	36.8	22.4	.0	202.9
Red spruce/balsam fir	680.6	273.3	150.5	.0	1,104.4
White spruce	23.7	23.7	48.6	.0	96.0
Black spruce	13.1	12.8	25.8	.0	51.7
Northern white-cedar	255.6	125.1	24.0	.0	404.7
Tamarack	.0	13.0	.0	.0	13.0
Spruce/fir group	1,326.4	824.3	383.1	.0	2,533.8
Black ash/Amer. elm/red maple	11.2	13.1	.0	.0	24.3
Elm/ash/red maple group	11.2	13.1	.0	.0	24.3
Sugar maple/beech/yellow birch	460.8	198.5	119.4	.0	778.7
Red maple/northern hardwoods	69.3	34.6	39.0	.0	142.9
Mixed northern hardwoods	25.8	25.9	13.1	.0	64.8
Northern hardwoods group	555.9	259.0	171.5	.0	986.4
Aspen	21.8	77.1	37.4	.0	136.3
Paper birch	.0	.0	23.7	.0	23.7
Aspen/birch group	21.8	77.1	61.1	.0	160.0
All forest types	1,952.1	1,173.5	615.7	.0	3,741.3

Table 44.--Area of timberland by forest type, forest-type group, and stand-size class, Aroostook County, Maine, 1982

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	8.4	.0	.0	.0	8.4
Hemlock	25.4	8.5	.0	.0	33.9
White/red pine group	33.8	8.5	.0	.0	42.3
Balsam fir	116.4	143.6	16.6	8.4	285.0
Red spruce	116.0	74.6	25.2	.0	215.8
Red spruce/balsam fir	595.0	234.7	17.2	.0	846.9
White spruce	41.8	33.7	.0	.0	75.5
Black spruce	8.5	101.4	33.5	.0	143.4
Northern white-cedar	439.9	127.3	69.0	.0	636.2
Tamarack	17.2	8.8	8.8	.0	34.8
Spruce/fir group	1,334.8	724.1	170.3	8.4	2,237.6
Black ash/Amer. elm/red maple	8.8	33.6	.0	.0	42.4
Willow	.0	.0	17.3	.0	17.3
Elm/ash/red maple group	8.8	33.6	17.3	.0	59.7
Sugar maple/beech/yellow birch	669.4	116.9	59.9	.0	846.2
Red maple/northern hardwoods	8.5	75.9	8.5	.0	92.9
Pin cherry/reverting field	.0	.0	43.4	.0	43.4
Mixed northern hardwoods	16.5	33.7	.0	.0	50.2
Northern hardwoods group	694.4	226.5	111.8	.0	1,032.7
Aspen	42.3	235.9	83.6	.0	361.8
Paper birch	.0	25.5	8.8	.0	34.3
Aspen/birch group	42.3	261.4	92.4	.0	396.1
All forest types	2,114.1	1,254.1	391.8	8.4	3,768.4

Table 45.--Area of timberland by forest type, forest-type group, and stand-size class, Capital Region, Maine, 1971

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	25.5	54.2	115.0	.0	194.7
White pine/hemlock	24.9	11.9	.0	.0	36.8
Hemlock	37.9	34.0	12.7	.0	84.6
White/red pine group	88.3	100.1	127.7	.0	316.1
Balsam fir	.0	24.2	62.4	.0	86.6
Red spruce	16.5	.0	13.6	.0	30.1
Red spruce/balsam fir	12.8	25.3	42.2	.0	80.3
Black spruce	12.7	12.8	.0	.0	25.5
Northern white-cedar	25.8	25.1	12.8	.0	63.7
Spruce/fir group	67.8	87.4	131.0	.0	286.2
White pine/no. red oak/white ash	.0	.0	12.0	.0	12.0
Oak/pine group	.0	.0	12.0	.0	12.0
Northern red oak	11.9	25.7	.0	.0	37.6
Red maple/central hardwoods	11.9	.0	11.7	.0	23.6
Oak/hickory group	23.8	25.7	11.7	.0	61.2
Black ash/Amer. elm/red maple	24.7	12.9	54.4	.0	92.0
Elm/ash/red maple group	24.7	12.9	54.4	.0	92.0
Sugar maple/beech/yellow birch	29.9	38.0	24.7	.0	92.6
Red maple/northern hardwoods	27.6	27.9	76.1	.0	131.6
Mixed northern hardwoods	27.1	.0	46.7	.0	73.8
Northern hardwoods group	84.6	65.9	147.5	.0	298.0
Aspen	.0	11.7	20.8	.0	32.5
Paper birch	12.7	12.9	.0	.0	25.6
Gray birch	.0	.0	23.6	.0	23.6
Aspen/birch group	12.7	24.6	44.4	.0	81.7
Indeterminate	.0	.0	23.6	.0	23.6
All forest types	301.9	316.6	552.3	.0	1,170.8

Table 46.--Area of timberland by forest type, forest-type group, and stand-size class, Capital Region, Maine, 1982

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	166.7	39.4	16.2	.0	222.3
White pine/hemlock	48.1	20.1	.0	.0	68.2
Hemlock	52.1	12.2	4.0	.0	68.3
White/red pine group	266.9	71.7	20.2	.0	358.8
Balsam fir	.0	35.6	27.7	.0	63.3
Red spruce	39.3	10.6	.0	.0	49.9
Red spruce/balsam fir	23.3	31.4	3.9	.0	58.6
White spruce	4.0	8.0	.0	.0	12.0
Northern white-cedar	16.3	24.2	4.0	.0	44.5
Tamarack	4.0	7.7	3.8	.0	15.5
Spruce/fir group	86.9	117.5	39.4	.0	243.8
White pine/no. red oak/white ash	.0	4.0	.0	.0	4.0
Oak/pine group	.0	4.0	.0	.0	4.0
Northern red oak	35.1	27.8	12.2	.0	75.1
Hawthorn/reverting field	3.9	.0	.0	.0	3.9
Oak/hickory group	39.0	27.8	12.2	.0	79.0
Black ash/Amer. elm/red maple	.0	12.1	.0	.0	12.1
Amer. elm/green ash	4.0	11.6	4.0	.0	19.6
Elm/ash/red maple group	4.0	23.7	4.0	.0	31.7
Sugar maple/beech/yellow birch	12.0	55.7	16.2	.0	83.9
Red maple/northern hardwoods	69.0	96.8	20.4	.0	186.2
Pin cherry/reverting field	.0	.0	16.3	.0	16.3
Mixed northern hardwoods	20.2	16.0	.0	.0	36.2
Northern hardwoods group	101.2	168.5	52.9	.0	322.6
Aspen	4.0	61.0	7.9	.0	72.9
Paper birch	.0	24.0	4.0	.0	28.0
Gray birch	.0	11.6	.0	.0	11.6
Aspen/birch group	4.0	96.6	11.9	.0	112.5
All forest types	502.0	509.8	140.6	.0	1,152.4

Table 47.--Area of timberland by forest type, forest-type group, and stand-size class, Casco Bay, Maine, 1971

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	263.1	88.7	157.6	.0	509.4
White pine/hemlock	79.5	24.8	13.7	.0	118.0
Hemlock	39.1	25.0	37.3	.0	101.4
White/red pine group	381.7	138.5	208.6	.0	728.8
Red spruce	11.8	.0	.0	.0	11.8
Tamarack	.0	.0	14.4	.0	14.4
Spruce/fir group	11.8	.0	14.4	.0	26.2
Pitch pine	.0	.0	13.7	.0	13.7
Loblolly/shortleaf group	.0	.0	13.7	.0	13.7
White pine/no. red oak/wh. ash	.0	14.4	.0	.0	14.4
Oak/pine group	.0	14.4	.0	.0	14.4
White oak/red oak/hickory	.0	.0	12.0	.0	12.0
Northern red oak	22.5	51.9	.0	.0	74.4
Red maple/central hardwoods	14.4	.0	12.0	.0	26.4
Mixed central hardwoods	.0	.0	13.7	.0	13.7
Oak/hickory group	36.9	51.9	37.7	.0	126.5
Black ash/Amer. elm/red maple	.0	.0	37.9	.0	37.9
Elm/ash/red maple group	.0	.0	37.9	.0	37.9
Sugar maple/beech/yellow birch	35.0	13.6	13.7	.0	62.3
Red maple/northern hardwoods	13.0	49.3	55.0	.0	117.3
Mixed northern hardwoods	.0	23.6	.0	.0	23.6
Northern hardwoods group	48.0	86.5	68.7	.0	203.2
Aspen	.0	11.4	39.7	.0	51.1
Paper birch	.0	12.9	22.8	.0	35.7
Gray birch	.0	.0	25.1	.0	25.1
Aspen/birch group	.0	24.3	87.6	.0	111.9
Indeterminate	.0	.0	27.1	.0	27.1
All forest types	478.4	315.6	495.7	.0	1,289.7

Table 48.--Area of timberland by forest type, forest-type group, and stand-size class, Casco Bay, Maine, 1982

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Red pine	4.2	.0	.0	.0	4.2
White pine	279.5	75.8	25.0	.0	380.3
White pine/hemlock	122.4	50.8	8.3	.0	181.5
Hemlock	92.4	12.7	8.0	.0	113.1
White/red pine group	498.5	139.3	41.3	.0	679.1
Balsam fir	4.3	4.3	4.3	.0	12.9
Red spruce	8.2	.0	.0	.0	8.2
Red spruce/balsam fir	.0	8.3	.0	.0	8.3
White spruce	.0	.0	.0	5.0	5.0
Tamarack	4.4	.0	.0	.0	4.4
Spruce/fir group	16.9	12.6	4.3	5.0	38.8
Pitch pine	4.1	.0	4.2	.0	8.3
Loblolly/shortleaf group	4.1	.0	4.2	.0	8.3
White pine/no. red oak/wh. ash	4.9	16.7	.0	.0	21.6
Oak/pine group	4.9	16.7	.0	.0	21.6
Post, black or bear oak	.0	4.2	.0	.0	4.2
White oak	4.2	.0	.0	.0	4.2
Northern red oak	21.8	42.2	7.9	.0	71.9
Red maple/central hardwoods	12.5	12.7	7.9	.0	33.1
Mixed central hardwoods	8.4	12.5	.0	.0	20.9
Oak/hickory group	46.9	71.6	15.8	.0	134.3
Black ash/Amer. elm/red maple	3.7	8.5	4.5	.0	16.7
Willow	.0	.0	4.0	.0	4.0
Elm/ash/red maple group	3.7	8.5	8.5	.0	20.7
Sugar maple/beech/yellow birch	8.4	29.7	4.3	.0	42.4
Red maple/northern hardwoods	51.6	74.9	16.2	.0	142.7
Pin cherry/reverting field	.0	.0	17.3	.0	17.3
Mixed northern hardwoods	17.1	38.0	8.5	.0	63.6
Northern hardwoods group	77.1	142.6	46.3	.0	266.0
Aspen	4.3	38.2	22.2	.0	64.7
Paper birch	.0	12.8	.0	.0	12.8
Gray birch	4.2	.0	8.3	.0	12.5
Aspen/birch group	8.5	51.0	30.5	.0	90.0
All forest types	660.6	442.3	150.9	5.0	1,258.8

Table 49.--Area of timberland by forest type, forest-type group, and stand-size class, Hancock County, Maine, 1971

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Jack pine	.0	.0	11.0	.0	11.0
White pine	.0	8.6	21.9	.0	30.5
White pine/hemlock	.0	8.6	.0	.0	8.6
Hemlock	25.5	23.2	.0	.0	48.7
White/red pine group	25.5	40.4	32.9	.0	98.8
Balsam fir	.0	28.2	48.5	.0	76.7
Red spruce	42.7	64.7	22.7	.0	130.1
Red spruce/balsam fir	36.5	47.8	8.6	.0	92.9
White spruce	10.9	.0	.0	.0	10.9
Northern white-cedar	43.1	30.5	20.7	.0	94.3
Tamarack	.0	.0	11.7	.0	11.7
Spruce/fir group	133.2	171.2	112.2	.0	416.6
Northern red oak	.0	.0	11.0	.0	11.0
Oak/hickory group	.0	.0	11.0	.0	11.0
Black ash/Amer. elm/red maple	.0	11.0	.0	.0	11.0
Elm/ash/red maple group	.0	11.0	.0	.0	11.0
Sugar maple/beech/yellow birch	36.8	28.2	11.7	.0	76.7
Red maple/northern hardwoods	11.7	.0	41.6	.0	53.3
Mixed northern hardwoods	.0	11.0	11.0	.0	22.0
Northern hardwoods group	48.5	39.2	64.3	.0	152.0
Aspen	.0	8.6	.0	.0	8.6
Gray birch	.0	.0	21.6	.0	21.6
Aspen/birch group	.0	8.6	21.6	.0	30.2
All forest types	207.2	270.4	242.0	.0	719.6

Table 50.--Area of timberland by forest type, forest-type group, and stand-size class, Hancock County, Maine, 1982

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Red pine	.0	.0	9.2	.0	9.2
White pine	18.4	9.2	.0	.0	27.6
White pine/hemlock	9.3	.0	.0	.0	9.3
Hemlock	46.8	.0	.0	.0	46.8
White/red pine group	74.5	9.2	9.2	.0	92.9
Balsam fir	.0	46.3	.0	.0	46.3
Red spruce	75.1	9.2	.0	9.7	94.0
Red spruce/balsam fir	56.4	83.3	37.5	.0	177.2
Black spruce	.0	9.6	.0	.0	9.6
Northern white-cedar	47.5	18.8	.0	.0	66.3
Tamarack	9.6	.0	.0	.0	9.6
Spruce/fir group	188.6	167.2	37.5	9.7	403.0
Northern red oak	9.2	.0	.0	.0	9.2
Mixed central hardwoods	.0	.0	9.7	.0	9.7
Oak/hickory group	9.2	.0	9.7	.0	18.9
Black ash/Amer. elm/red maple	.0	9.5	.0	.0	9.5
Elm/ash/red maple group	.0	9.5	.0	.0	9.5
Sugar maple/beech/yellow birch	56.3	37.1	.0	.0	93.4
Black cherry	.0	.0	9.2	.0	9.2
Red maple/northern hardwoods	18.3	9.6	27.9	.0	55.8
Mixed northern hardwoods	.0	18.4	9.2	.0	27.6
Northern hardwoods group	74.6	65.1	46.3	.0	186.0
Aspen	.0	28.0	9.7	.0	37.7
Paper birch	.0	28.3	.0	.0	28.3
Aspen/birch group	.0	56.3	9.7	.0	66.0
All forest types	346.9	307.3	112.4	9.7	776.3

Table 51.--Area of timberland by forest type, forest-type group, and stand-size class, Penobscot County, Maine, 1971

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	25.3	12.4	.0	.0	37.7
White pine/hemlock	38.3	12.6	12.6	.0	63.5
Hemlock	89.2	25.5	12.4	.0	127.1
White/red pine group	152.8	50.5	25.0	.0	228.3
Balsam fir	50.0	76.0	25.0	.0	151.0
Red spruce	50.8	25.0	25.0	.0	100.8
Red spruce/balsam fir	217.0	152.6	37.6	.0	407.2
White spruce	.0	12.6	24.8	.0	37.4
Black spruce	.0	12.6	12.7	.0	25.3
Northern white-cedar	88.8	100.8	50.1	.0	239.7
Tamarack	.0	12.6	12.6	.0	25.2
Spruce/fir group	406.6	392.2	187.8	.0	986.6
Black ash/Amer. elm/red maple	.0	25.0	37.6	.0	62.6
Elm/ash/red maple group	.0	25.0	37.6	.0	62.6
Sugar maple/beech/yellow birch	114.0	75.8	61.3	.0	251.1
Red maple/northern hardwoods	63.4	63.6	25.3	.0	152.3
Mixed northern hardwoods	64.1	25.7	.0	.0	89.8
Northern hardwoods group	241.5	165.1	86.6	.0	493.2
Aspen	.0	.0	38.0	.0	38.0
Paper birch	.0	12.6	.0	.0	12.6
Gray birch	.0	.0	25.7	.0	25.7
Aspen/birch group	.0	12.6	63.7	.0	76.3
Indeterminate	.0	.0	13.2	.0	13.2
All forest types	800.9	645.4	413.9	.0	1,860.2

Table 52.--Area of timberland by forest type, forest-type group, and stand-size class, Penobscot County, Maine, 1982

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Red pine	9.5	9.6	.0	.0	19.1
White pine	57.8	9.6	9.6	.0	77.0
White pine/hemlock	48.3	38.4	.0	.0	86.7
Hemlock	103.7	28.7	.0	.0	132.4
White/red pine group	219.3	86.3	9.6	.0	315.2
Balsam fir	9.6	28.8	9.0	.0	47.4
Red spruce	67.3	28.6	.0	.0	95.9
Red spruce/balsam fir	211.4	96.0	28.6	.0	336.0
White spruce	9.6	.0	.0	.0	9.6
Black spruce	.0	.0	9.5	.0	9.5
Northern white-cedar	125.0	162.6	9.6	.0	297.2
Tamarack	.0	9.5	.0	.0	9.5
Spruce/fir group	422.9	325.5	56.7	.0	805.1
Black ash/Amer. elm/red maple	19.1	19.2	.0	.0	38.3
Willow	.0	.0	9.6	.0	9.6
Elm/ash/red maple group	19.1	19.2	9.6	.0	47.9
Sugar maple/beech/yellow birch	133.5	151.9	19.3	.0	304.7
Black cherry	.0	9.6	.0	.0	9.6
Red maple/northern hardwoods	28.5	66.7	9.8	.0	105.0
Pin cherry/reverting field	.0	.0	.0	9.0	9.0
Mixed northern hardwoods	48.0	28.6	.0	.0	76.6
Northern hardwoods group	210.0	256.8	29.1	9.0	504.9
Aspen	19.2	104.6	.0	.0	123.8
Paper birch	.0	38.1	.0	.0	38.1
Gray birch	.0	19.2	18.5	.0	37.7
Aspen/birch group	19.2	161.9	18.5	.0	199.6
All forest types	890.5	849.7	123.5	9.0	1,872.7

Table 53.--Area of timberland by forest type, forest-type group, and stand-size class, Piscataquis County, Maine, 1971

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	25.5	.0	.0	.0	25.5
Hemlock	12.6	.0	.0	.0	12.6
White/red pine group	38.1	.0	.0	.0	38.1
Balsam fir	39.0	63.6	36.6	.0	139.2
Red spruce	142.6	90.1	25.4	.0	258.1
Red spruce/balsam fir	400.4	179.3	101.5	.0	681.2
White spruce	.0	.0	13.5	.0	13.5
Black spruce	12.8	12.8	25.4	.0	51.0
Northern white-cedar	167.8	38.1	38.0	.0	243.9
Spruce/fir group	762.6	383.9	240.4	.0	1,386.9
Black ash/Amer. elm/red maple	.0	.0	25.3	.0	25.3
Elm/ash/red maple group	.0	.0	25.3	.0	25.3
Sugar maple/beech/yellow birch	370.6	152.4	36.8	.0	559.8
Black cherry	.0	12.8	.0	.0	12.8
Red maple/northern hardwoods	12.6	49.4	38.0	.0	100.0
Mixed northern hardwoods	50.7	12.6	11.3	.0	74.6
Northern hardwoods group	433.9	227.2	86.1	.0	747.2
Aspen	.0	12.7	11.3	.0	24.0
Paper birch	.0	12.8	12.6	.0	25.4
Aspen/birch group	.0	25.5	23.9	.0	49.4
All forest types	1,234.6	636.6	375.7	.0	2,246.9

Table 54.--Area of timberland by forest type, forest-type group, and stand-size class, Piscataquis County, Maine, 1982.

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	31.4	20.9	.0	.0	52.3
White pine/hemlock	12.3	.0	.0	.0	12.3
Hemlock	21.1	10.4	.0	.0	31.5
White/red pine group	64.8	31.3	.0	.0	96.1
Balsam fir	42.2	41.9	31.5	.0	115.6
Red spruce	106.8	156.3	20.5	.0	283.6
Red spruce/balsam fir	456.9	129.4	75.3	.0	661.6
White spruce	10.5	.0	.0	.0	10.5
Black spruce	.0	10.5	.0	.0	10.5
Northern white-cedar	182.3	20.4	41.9	.0	244.6
Tamarack	10.5	10.5	10.5	.0	31.5
Spruce/fir group	809.2	369.0	179.7	.0	1,357.9
Mixed central hardwoods	10.5	.0	.0	.0	10.5
Oak/hickory group	10.5	.0	.0	.0	10.5
Black ash/Amer. elm/red maple	.0	10.5	.0	.0	10.5
Elm/ash/red maple group	.0	10.5	.0	.0	10.5
Sugar maple/beech/yellow birch	303.6	127.8	30.9	.0	462.3
Red maple/northern hardwoods	75.5	45.5	22.9	.0	143.9
Mixed northern hardwoods	10.5	31.4	10.5	.0	52.4
Northern hardwoods group	389.6	204.7	64.3	.0	658.6
Aspen	10.5	52.6	20.4	.0	83.5
Paper birch	.0	.0	21.0	.0	21.0
Aspen/birch group	10.5	52.6	41.4	.0	104.5
All forest types	1,284.6	668.1	285.4	.0	2,238.1

Table 55.--Area of timberland by forest type, forest-type group, and stand-size class, Somerset County, Maine, 1971

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	.0	14.4	57.9	.0	72.3
White pine/hemlock	.0	.0	12.1	.0	12.1
Hemlock	26.4	24.0	12.0	.0	62.4
White/red pine group	26.4	38.4	82.0	.0	146.8
Balsam fir	82.4	151.3	24.9	.0	258.6
Red spruce	50.4	69.9	12.1	.0	132.4
Red spruce/balsam fir	259.9	246.4	24.0	.0	530.3
White spruce	12.1	.0	.0	.0	12.1
Northern white-cedar	74.3	74.4	24.0	.0	172.7
Spruce/fir group	479.1	542.0	85.0	.0	1,106.1
Black ash/Amer. elm/red maple	12.1	.0	24.1	.0	36.2
Elm/ash/red maple group	12.1	.0	24.1	.0	36.2
Sugar maple/beech/yellow birch	379.1	132.3	50.6	.0	562.0
Red maple/northern hardwoods	26.4	75.2	66.1	.0	167.7
Mixed northern hardwoods	26.3	67.2	.0	.0	93.5
Northern hardwoods group	431.8	274.7	116.7	.0	823.2
Aspen	12.0	101.8	24.1	.0	137.9
Paper birch	14.4	12.9	8.0	.0	35.3
Aspen/birch group	26.4	114.7	32.1	.0	173.2
All forest types	975.8	969.8	339.9	.0	2,285.5

Table 56.--Area of timberland by forest type, forest-type group, and stand-size class, Somerset County, Maine, 1982

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Red pine	10.4	.0	.0	.0	10.4
White pine	41.4	20.7	10.3	.0	72.4
White pine/hemlock	20.7	10.3	.0	.0	31.0
Hemlock	10.3	41.4	10.4	.0	62.1
White/red pine group	82.8	72.4	20.7	.0	175.9
Balsam fir	83.1	72.7	31.1	.0	186.9
Red spruce	93.1	83.4	.0	.0	176.5
Red spruce/balsam fir	333.2	217.6	82.7	.0	633.5
Black spruce	.0	51.8	.0	.0	51.8
Northern white-cedar	145.2	51.7	10.3	.0	207.2
Spruce/fir group	654.6	477.2	124.1	.0	1,255.9
Northern red oak	.0	10.4	.0	.0	10.4
Oak/hickory group	.0	10.4	.0	.0	10.4
Black ash/Amer. elm/red maple	.0	10.3	.0	.0	10.3
Willow	10.4	.0	.0	.0	10.4
Elm/ash/red maple group	10.4	10.3	.0	.0	20.7
Sugar maple/beech/yellow birch	425.9	124.5	20.7	.0	571.1
Red maple/northern hardwoods	31.1	41.4	20.7	.0	93.2
Pin cherry/reverting field	.0	.0	20.7	.0	20.7
Mixed northern hardwoods	20.7	31.0	10.4	.0	62.1
Northern hardwoods group	477.7	196.9	72.5	.0	747.1
Aspen	21.0	31.1	20.7	.0	72.8
Paper birch	10.3	41.4	.0	.0	51.7
Aspen/birch group	31.3	72.5	20.7	.0	124.5
All forest types	1,256.8	839.7	238.0	.0	2,334.5

Table 57.--Area of timberland by forest type, forest-type group, and stand-size class, Washington County, Maine, 1971

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Red pine	.0	.0	10.5	.0	10.5
White pine	10.0	10.3	.0	.0	20.3
White pine/hemlock	20.3	.0	.0	.0	20.3
Hemlock	.0	20.7	10.4	.0	31.1
White/red pine group	30.3	31.0	20.9	.0	82.2
Balsam fir	.0	93.2	41.4	.0	134.6
Red spruce	51.2	124.3	10.4	.0	185.9
Red spruce/balsam fir	164.2	217.0	41.4	.0	422.6
Black spruce	.0	20.4	10.4	.0	30.8
Northern white-cedar	31.1	72.6	20.7	.0	124.4
Tamarack	.0	10.4	20.7	.0	31.1
Spruce/fir group	246.5	537.9	145.0	.0	929.4
Northern red oak	.0	10.5	10.4	.0	20.9
Oak/hickory group	.0	10.5	10.4	.0	20.9
Black ash/Amer. elm/red maple	.0	20.6	10.4	.0	31.0
Elm/ash/red maple group	.0	20.6	10.4	.0	31.0
Sugar maple/beech/yellow birch	41.1	.0	20.8	.0	61.9
Red maple/northern hardwoods	20.3	51.6	20.1	.0	92.0
Mixed northern hardwoods	20.2	31.0	.0	.0	51.2
Northern hardwoods group	81.6	82.6	40.9	.0	205.1
Aspen	20.7	10.4	51.9	.0	83.0
Paper birch	20.3	20.7	20.2	.0	61.2
Gray birch	.0	.0	10.3	.0	10.3
Aspen/birch group	41.0	31.1	82.4	.0	154.5
Indeterminate	.0	.0	10.3	.0	10.3
All forest types	399.4	713.7	320.3	.0	1,433.4

Table 58.--Area of timberland by forest type, forest-type group, and stand-size class, Washington County, Maine, 1982

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine/hemlock	21.1	10.6	.0	.0	31.7
Hemlock	52.7	10.6	.0	.0	63.3
White/red pine group	73.8	21.2	.0	.0	95.0
Balsam fir	21.9	52.8	43.7	.0	118.4
Red spruce	73.8	84.2	.0	.0	158.0
Red spruce/balsam fir	137.3	158.2	31.9	.0	327.4
White spruce	10.5	10.6	.0	.0	21.1
Black spruce	.0	31.7	11.0	.0	42.7
Northern white-cedar	73.9	42.2	10.5	.0	126.6
Tamarack	.0	10.5	.0	.0	10.5
Spruce/fir group	317.4	390.2	97.1	.0	804.7
Northern red oak	.0	10.6	.0	.0	10.6
Red maple/central hardwoods	.0	.0	11.0	.0	11.0
Oak/hickory group	.0	10.6	11.0	.0	21.6
Black ash/Amer. elm/red maple	.0	21.1	.0	.0	21.1
Willow	.0	.0	11.0	.0	11.0
Elm/ash/red maple group	.0	21.1	11.0	.0	32.1
Sugar maple/beech/yellow birch	84.4	42.4	31.6	.0	158.4
Red maple/northern hardwoods	21.0	85.5	32.6	.0	139.1
Mixed northern hardwoods	10.5	10.5	.0	.0	21.0
Northern hardwoods group	115.9	138.4	64.2	.0	318.5
Aspen	42.2	21.6	64.7	.0	128.5
Paper birch	.0	10.5	10.6	.0	21.1
Gray birch	.0	.0	32.7	.0	32.7
Aspen/birch group	42.2	32.1	108.0	.0	182.3
All forest types	549.3	613.6	291.3	.0	1,454.2

Table 59.--Area of timberland by forest type, forest-type group, and stand-size class, Western Maine, 1971

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	63.3	25.1	15.9	.0	104.3
White pine/hemlock	50.3	12.8	.0	.0	63.1
Hemlock	38.1	24.3	.0	.0	62.4
White/red pine group	151.7	62.2	15.9	.0	229.8
Balsam fir	50.4	135.7	37.9	.0	224.0
Red spruce	12.2	38.2	.0	.0	50.4
Red spruce/balsam fir	87.4	255.4	38.7	.0	381.5
White spruce	25.8	.0	.0	.0	25.8
Northern white-cedar	11.8	.0	.0	.0	11.8
Tamarack	13.0	.0	.0	.0	13.0
Spruce/fir group	200.6	429.3	76.6	.0	706.5
Northern red oak	25.7	25.7	.0	.0	51.4
Oak/hickory group	25.7	25.7	.0	.0	51.4
Black ash/Amer. elm/red maple	.0	.0	24.2	.0	24.2
Elm/ash/red maple group	.0	.0	24.2	.0	24.2
Sugar maple/beech/yellow birch	255.0	264.7	139.4	.0	659.1
Red maple/northern hardwoods	38.1	129.4	61.9	.0	229.4
Mixed northern hardwoods	.0	51.8	37.8	.0	89.6
Northern hardwoods group	293.1	445.9	239.1	.0	978.1
Aspen	.0	64.1	.0	.0	64.1
Paper birch	13.0	25.1	13.0	.0	51.1
Gray birch	.0	.0	17.4	.0	17.4
Aspen/birch group	13.0	89.2	30.4	.0	132.6
Indeterminate	.0	.0	.0	12.2	12.2
All forest types	684.1	1,052.3	386.2	12.2	2,134.8

Table 60.--Area of timberland by forest type, forest-type group, and stand-size class, Western Maine, 1982

(In thousands of acres)

Forest type and forest-type group	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
White pine	148.2	42.6	.0	.0	190.8
White pine/hemlock	31.8	53.1	.0	.0	84.9
Hemlock	42.5	21.2	.0	.0	63.7
White/red pine group	222.5	116.9	.0	.0	339.4
Balsam fir	94.8	109.3	21.4	.0	225.5
Red spruce	53.0	31.1	.0	.0	84.1
Red spruce/balsam fir	93.5	127.1	51.0	.0	271.6
White spruce	10.6	10.6	.0	.0	21.2
Black spruce	.0	.0	10.7	.0	10.7
Northern white-cedar	.0	10.6	.0	.0	10.6
Spruce/fir group	251.9	288.7	83.1	.0	623.7
White pine/no. red oak/wh. ash	10.6	.0	.0	.0	10.6
Oak/pine group	10.6	.0	.0	.0	10.6
Northern red oak	.0	31.8	.0	.0	31.8
Oak/hickory group	.0	31.8	.0	.0	31.8
Black ash/Amer. elm/red maple	.0	5.4	.0	.0	5.4
Elm/ash/red maple group	.0	5.4	.0	.0	5.4
Sugar maple/beech/yellow birch	263.0	290.2	18.6	.0	571.8
Red maple/northern hardwoods	92.8	145.8	10.8	.0	249.4
Pin cherry/reverting field	.0	10.6	8.6	.0	19.2
Mixed northern hardwoods	61.2	52.1	10.8	.0	124.1
Northern hardwoods group	417.0	498.7	48.8	.0	964.5
Aspen	.0	75.2	.0	.0	75.2
Paper birch	10.5	94.5	29.8	.0	134.8
Gray birch	.0	.0	19.4	.0	19.4
Aspen/birch group	10.5	169.7	49.2	.0	229.4
All forest types	912.5	1,111.2	181.1	.0	2,204.8

Table 61.--Number of growing-stock trees on timberland by species and diameter class, Aroostook County, Maine, 1982

(In thousands of trees)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	119,358	67,472	28,985	9,337	1,832	467	93	29	0	0	227,573
Tamarack	1,691	583	668	449	271	134	183	59	13	0	4,051
White spruce	14,717	10,251	5,087	2,687	870	290	17	0	42	0	33,961
Black spruce	29,564	10,946	3,590	633	152	0	0	29	0	0	44,914
Red spruce	47,819	35,935	20,206	10,918	5,065	1,953	698	438	152	0	123,184
Red pine	0	0	0	0	0	0	0	0	0	0	0
White pine	1,261	592	145	357	269	181	106	101	169	44	3,225
Northern white-cedar	38,933	28,351	16,809	11,372	5,198	2,249	761	410	212	0	104,295
Hemlock	2,609	2,019	1,226	1,364	420	453	151	129	170	6	8,547
Other softwoods	0	58	0	0	0	0	0	0	0	0	58
Total softwoods	255,952	156,207	76,716	37,117	14,077	5,727	2,009	1,195	758	50	549,808
Sugar maple	14,091	7,647	5,000	2,773	2,431	1,268	1,225	817	817	29	36,098
Red maple	14,249	7,543	3,451	1,592	980	471	187	146	0	0	28,619
Yellow birch	5,433	4,348	2,593	2,258	1,246	758	305	103	135	0	17,179
Paper birch	14,580	7,718	3,045	753	177	142	36	0	0	0	26,451
Gray birch	119	0	0	0	0	0	0	0	0	0	119
Beech	6,363	3,893	2,156	2,250	1,599	905	166	103	113	0	17,548
White ash	472	467	415	130	0	58	0	15	18	0	1,575
Black ash	1,790	1,602	767	433	215	89	20	43	29	0	4,988
Aspen	16,107	13,414	8,499	4,296	1,586	708	188	30	61	29	44,918
White oaks	0	0	0	0	0	0	0	0	0	0	0
Red oaks	0	0	0	40	30	0	0	0	0	0	70
Basswood	59	0	0	0	0	0	0	0	0	0	59
Elm	177	119	59	93	29	0	0	0	8	0	485
Other hardwoods	0	0	0	37	0	0	0	0	0	0	37
Total hardwoods	73,440	46,751	25,985	14,655	8,293	4,399	2,127	1,257	1,181	58	178,146
Total, all species	329,392	202,958	102,701	51,772	22,370	10,126	4,136	2,452	1,939	108	727,954

Table 62.--Number of growing-stock trees on timberland by species and diameter class, Capital Region, Maine, 1982

(In thousands of trees)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	16,175	5,249	1,262	153	29	9	0	0	0	0	22,877
Tamarack	495	627	257	236	141	79	24	0	0	0	1,859
White spruce	1,112	401	255	185	73	10	0	15	0	0	2,051
Black spruce	62	63	14	0	0	0	0	0	0	0	139
Red spruce	9,164	5,398	3,069	1,585	919	366	110	28	47	0	20,686
Red pine	0	0	14	28	17	11	0	0	0	0	70
White pine	5,852	4,631	3,370	2,783	1,727	829	580	369	458	102	20,701
Northern white-cedar	4,031	2,361	973	283	62	12	0	0	0	0	7,722
Hemlock	4,606	3,345	2,757	1,627	1,126	533	183	72	57	3	14,309
Other softwoods	0	0	0	0	0	0	0	0	0	0	0
Total softwoods	41,497	22,075	11,971	6,880	4,094	1,849	897	484	562	105	90,414
Sugar maple	2,568	1,685	792	209	74	25	37	0	4	0	5,394
Red maple	18,176	9,700	4,754	2,219	705	319	225	99	65	17	36,279
Yellow birch	1,294	944	543	194	74	58	14	0	0	0	3,121
Paper birch	7,768	4,125	1,724	667	179	68	8	0	0	0	14,539
Gray birch	2,018	373	33	14	0	12	9	0	0	0	2,459
Beech	2,183	1,697	468	272	42	28	14	0	0	0	4,704
White ash	1,869	1,303	692	213	101	75	38	0	15	0	4,306
Black ash	367	37	26	0	0	0	0	0	0	0	430
Aspen	7,730	4,924	2,404	884	329	62	9	0	0	0	16,342
White oaks	61	57	0	0	0	0	0	0	0	0	118
Red oaks	4,977	3,601	2,065	1,430	588	375	133	72	88	3	13,332
Basswood	156	227	28	42	28	26	14	0	0	0	521
Elm	170	146	28	28	14	0	0	0	0	0	386
Other hardwoods	1,506	881	548	68	45	43	0	0	5	0	3,096
Total hardwoods	50,843	29,700	14,105	6,240	2,179	1,091	501	171	177	20	105,027
Total, all species	92,340	51,775	26,076	13,120	6,273	2,940	1,398	655	739	125	195,441

Table 63.--Number of growing-stock trees on timberland by species and diameter class, Casco Bay, Maine, 1982

(In thousands of trees)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	4,245	1,891	900	166	30	0	0	0	0	0	7,232
Tamarack	272	0	53	85	30	0	0	0	0	0	440
White spruce	102	40	0	0	0	0	0	0	0	0	142
Black spruce	407	0	0	14	0	0	0	0	0	0	421
Red spruce	1,103	875	654	255	136	38	0	0	0	0	3,061
Red pine	252	208	325	253	86	27	0	0	0	0	1,151
White pine	11,479	10,143	7,151	5,001	3,414	2,759	1,367	667	676	26	42,683
Northern white-cedar	480	192	99	36	0	0	0	0	0	0	807
Hemlock	6,655	5,826	4,360	3,329	2,113	984	474	121	132	0	23,994
Other softwoods	158	322	189	153	161	39	10	0	0	0	1,032
Total softwoods	25,153	19,497	13,731	9,292	5,970	3,847	1,851	788	808	26	80,963
Sugar maple	1,179	572	183	111	132	44	19	0	5	0	2,245
Red maple	19,331	10,481	4,296	1,692	656	174	88	36	16	0	36,770
Yellow birch	1,105	826	211	123	15	0	0	15	0	0	2,295
Paper birch	6,004	3,061	1,381	367	162	32	15	0	15	0	11,037
Gray birch	1,670	393	85	59	0	0	0	0	0	0	2,207
Beech	2,301	1,538	519	361	58	40	38	7	0	0	4,862
White ash	2,618	1,062	385	118	0	26	24	30	0	0	4,263
Black ash	143	30	0	0	0	0	0	0	0	0	173
Aspen	5,372	3,938	1,622	332	132	29	0	0	6	0	11,431
White oaks	942	629	259	57	75	64	0	22	6	0	2,054
Red oaks	10,268	7,668	2,976	1,852	1,126	374	255	125	68	3	24,715
Basswood	57	28	0	0	14	0	0	0	0	0	99
Elm	58	169	0	0	0	0	0	0	0	0	227
Other hardwoods	776	312	54	88	30	15	14	0	0	0	1,289
Total hardwoods	51,824	30,707	11,971	5,160	2,400	798	453	235	116	3	103,667
Total, all species	76,977	50,204	25,702	14,452	8,370	4,645	2,304	1,023	924	29	184,630

Table 64.--Number of growing-stock trees on timberland by species and diameter class, Hancock County, Maine, 1982

(In thousands of trees)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	17,212	4,403	1,054	232	33	0	0	0	0	0	22,934
Tamarack	280	69	276	34	67	0	34	0	0	0	760
White spruce	851	262	99	66	67	0	0	0	0	0	1,345
Black spruce	1,913	918	211	34	67	0	0	0	0	0	3,143
Red spruce	12,603	10,029	6,409	3,173	1,251	630	189	51	98	0	34,433
Red pine	0	0	172	130	70	0	21	0	0	0	393
White pine	1,466	737	545	643	247	343	22	83	120	41	4,247
Northern white-cedar	4,240	3,244	1,865	1,022	185	296	0	0	0	0	10,852
Hemlock	3,331	1,616	2,010	1,015	278	300	44	117	137	0	8,848
Other softwoods	0	0	0	0	0	0	0	0	0	0	0
Total softwoods	41,896	21,278	12,641	6,349	2,265	1,569	310	251	355	41	86,955
Sugar maple	873	136	136	44	69	64	34	0	33	0	1,389
Red maple	8,042	4,757	1,954	757	266	236	101	0	0	0	16,113
Yellow birch	1,352	1,047	644	91	34	28	24	0	0	0	3,220
Paper birch	6,603	3,574	1,380	329	72	0	0	0	0	8	11,966
Gray birch	778	69	0	35	0	0	0	0	0	0	882
Beech	626	0	133	67	33	0	0	0	0	0	859
White ash	683	135	209	155	102	0	33	0	0	0	1,317
Black ash	484	0	63	82	35	0	0	0	0	0	664
Aspen	3,061	1,882	1,547	575	266	0	0	0	0	0	7,331
White oaks	0	0	0	0	0	0	0	0	0	0	0
Red oaks	138	67	133	0	33	59	22	0	0	0	452
Basswood	0	0	0	0	0	0	0	0	0	0	0
Elm	0	0	0	0	0	0	0	0	0	0	0
Other hardwoods	0	0	0	0	0	0	0	0	0	0	0
Total hardwoods	22,640	11,667	6,199	2,135	910	387	214	0	33	8	44,193
Total, all species	64,536	32,945	18,840	8,484	3,175	1,956	524	251	388	49	131,148

Table 65.--Number of growing-stock trees on timberland by species and diameter class, Penobscot County, Maine, 1982

(In thousands of trees)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	33,844	13,357	3,890	640	37	34	0	0	0	0	51,802
Tamarack	1,497	730	358	260	72	0	0	0	0	0	2,917
White spruce	2,989	1,388	507	172	130	91	33	33	0	0	5,343
Black spruce	2,058	486	317	80	34	0	0	0	0	0	2,975
Red spruce	21,229	17,432	10,664	5,044	2,319	510	60	52	26	0	57,336
Red pine	217	133	289	491	130	126	0	0	0	0	1,386
White pine	2,202	1,397	1,355	1,038	840	631	370	184	231	74	8,322
Northern white-cedar	24,147	16,492	6,948	3,068	1,371	287	54	0	0	0	52,367
Hemlock	14,457	10,370	6,104	4,268	1,754	832	172	224	147	0	38,328
Other softwoods	0	0	0	0	0	0	0	0	0	0	0
Total softwoods	102,640	61,785	30,432	15,061	6,687	2,511	689	493	404	74	220,776
Sugar maple	3,679	3,187	1,957	955	826	294	224	147	67	0	11,336
Red maple	12,227	8,106	4,036	2,219	965	239	156	33	90	0	28,071
Yellow birch	3,891	2,112	1,423	484	344	220	33	16	48	0	8,571
Paper birch	5,429	4,108	2,560	836	205	93	0	17	13	0	13,261
Gray birch	2,650	570	0	0	0	0	0	0	0	0	3,220
Beech	8,964	4,853	1,523	1,064	573	99	21	0	0	0	17,097
White ash	1,583	807	733	486	195	67	0	0	27	0	3,898
Black ash	1,395	512	201	285	134	0	0	49	0	0	2,576
Aspen	5,232	5,421	5,075	2,509	1,290	179	113	0	12	0	19,831
White oaks	326	196	0	0	0	0	0	0	0	0	522
Red oaks	134	0	67	43	0	100	33	0	0	0	377
Basswood	200	201	0	132	71	57	53	0	0	0	714
Elm	151	268	0	33	132	33	143	19	77	33	889
Other hardwoods	270	67	67	33	33	0	0	0	0	0	470
Total hardwoods	46,131	30,408	17,642	9,079	4,768	1,381	776	281	334	33	110,833
Total, all species	148,771	92,193	48,074	24,140	11,455	3,892	1,465	774	738	107	331,609

Table 66.--Number of growing-stock trees on timberland by species and diameter class, Piscataquis County, Maine, 1982

(In thousands of trees)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	60,354	36,246	13,928	3,681	697	134	0	0	0	0	115,040
Tamarack	1,719	294	365	170	37	0	0	0	0	0	2,585
White spruce	5,983	3,247	1,904	758	233	36	62	17	0	0	12,240
Black spruce	5,144	2,007	1,442	748	476	101	29	0	0	0	9,947
Red spruce	64,792	39,190	19,452	8,346	5,151	1,929	810	352	120	0	140,142
Red pine	0	0	0	0	0	0	0	0	0	0	0
White pine	2,922	1,417	1,275	884	309	455	349	131	479	164	8,385
Northern white-cedar	6,363	7,539	5,913	3,807	2,309	1,305	383	428	134	0	28,181
Hemlock	3,321	2,366	1,409	733	340	202	57	103	12	0	8,543
Other softwoods	0	0	0	0	0	0	0	0	0	0	0
Total softwoods	150,598	92,306	45,688	19,127	9,552	4,162	1,690	1,031	745	164	325,063
Sugar maple	4,131	4,204	2,918	2,247	1,349	661	655	393	365	7	16,930
Red maple	13,258	8,511	4,944	2,759	919	542	316	74	30	51	31,404
Yellow birch	3,573	3,387	2,969	1,686	833	667	345	167	174	7	13,808
Paper birch	8,412	3,892	2,104	814	363	180	37	0	13	0	15,815
Gray birch	527	73	74	0	0	0	0	0	0	0	674
Beech	5,372	2,865	1,713	1,248	616	203	71	0	0	0	12,088
White ash	775	939	470	177	121	37	24	17	0	0	2,560
Black ash	1,594	1,215	404	122	121	31	29	0	0	0	3,516
Aspen	2,312	3,790	3,174	1,334	814	354	115	110	34	0	12,037
White oaks	0	0	0	0	0	0	0	0	0	0	0
Red oaks	0	0	0	0	36	0	23	37	37	0	133
Basswood	0	183	74	99	33	0	0	0	0	0	389
Elm	0	0	73	0	0	0	0	0	0	0	73
Other hardwoods	0	0	0	60	0	0	0	0	0	0	60
Total hardwoods	39,954	29,059	18,917	10,546	5,205	2,675	1,615	798	653	65	109,487
Total, all species	190,552	121,365	64,605	29,673	14,757	6,837	3,305	1,829	1,398	229	434,550

Table 67.--Number of growing-stock trees on timberland by species and diameter class, Somerset County, Maine, 1982

(In thousands of trees)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	65,002	45,604	18,279	4,350	1,217	382	0	0	0	0	134,834
Tamarack	361	0	134	36	0	36	0	0	0	0	567
White spruce	7,221	2,580	1,295	402	184	72	0	0	0	0	11,754
Black spruce	8,262	3,155	876	116	72	25	0	0	0	0	12,506
Red spruce	44,341	30,733	14,871	6,725	2,957	976	392	108	96	8	101,207
Red pine	216	524	376	187	0	0	21	0	0	0	1,324
White pine	2,601	2,195	1,370	946	678	300	341	231	175	12	8,849
Northern white-cedar	5,026	8,606	5,729	3,610	2,060	773	289	90	78	0	26,261
Hemlock	4,602	3,460	1,703	886	546	501	221	17	149	8	12,093
Other softwoods	0	0	0	0	0	0	0	0	0	0	0
Total softwoods	137,632	96,857	44,633	17,258	7,714	3,065	1,264	446	498	28	309,395
Sugar maple	8,196	7,065	4,359	3,517	1,952	1,047	571	362	407	36	27,512
Red maple	15,445	9,066	5,866	2,152	1,311	503	343	217	31	0	34,934
Yellow birch	6,216	5,640	3,251	1,911	1,335	894	487	161	336	8	20,239
Paper birch	18,027	8,409	4,136	2,035	579	153	59	0	11	0	33,409
Gray birch	2,731	630	82	37	36	0	0	0	0	0	3,516
Beech	6,116	2,750	1,375	1,204	374	276	114	0	36	0	12,245
White ash	1,034	1,540	999	424	41	0	22	0	0	0	4,060
Black ash	1,216	780	354	181	37	0	0	0	0	0	2,568
Aspen	7,450	5,640	2,496	1,216	579	217	130	109	0	0	17,837
White oaks	0	0	0	0	0	0	0	0	0	0	0
Red oaks	440	72	238	0	42	0	0	0	48	0	840
Basswood	0	0	72	36	0	0	36	0	0	0	144
Elm	407	0	133	0	109	0	0	0	0	0	649
Other hardwoods	487	234	0	55	0	0	0	0	0	0	776
Total hardwoods	67,765	41,826	23,361	12,768	6,395	3,090	1,762	849	869	44	158,729
Total, all species	205,397	138,683	67,994	30,026	14,109	6,155	3,026	1,295	1,367	72	468,124

Table 68.--Number of growing-stock trees on timberland by species and diameter class, Washington County, Maine, 1982

(In thousands of trees)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	21,418	7,845	2,841	425	38	38	0	0	0	0	32,605
Tamarack	529	619	231	287	0	38	24	0	12	0	1,740
White spruce	5,527	2,567	1,094	164	75	0	0	0	0	0	9,427
Black spruce	5,640	1,044	357	138	0	0	0	0	0	0	7,179
Red spruce	23,309	15,997	8,509	4,269	1,613	617	340	38	49	0	54,741
Red pine	76	0	37	38	115	0	0	0	0	0	266
White pine	835	226	665	697	376	285	123	136	106	15	3,464
Northern white-cedar	9,782	5,398	3,738	1,548	696	98	0	39	0	0	21,299
Hemlock	6,216	5,462	3,693	2,095	778	315	121	56	9	0	18,745
Other softwoods	0	0	0	0	0	0	0	0	0	0	0
Total softwoods	73,332	39,158	21,165	9,661	3,691	1,391	608	269	176	15	149,466
Sugar maple	1,611	1,160	294	283	84	37	69	0	118	7	3,663
Red maple	11,483	7,079	2,749	1,596	959	163	20	59	15	0	24,123
Yellow birch	2,025	1,064	760	247	190	68	26	0	11	0	4,391
Paper birch	9,730	5,209	1,491	841	306	75	0	0	0	0	17,652
Gray birch	682	198	0	0	0	0	0	0	0	0	880
Beech	1,994	1,002	226	203	201	113	0	0	0	0	3,739
White ash	75	332	150	38	0	28	0	0	0	0	623
Black ash	555	546	223	75	38	38	0	0	0	0	1,475
Aspen	6,222	2,097	1,080	1,239	631	309	62	95	0	0	11,735
White oaks	0	0	0	0	0	0	0	0	0	0	0
Red oaks	230	508	394	162	0	0	0	0	0	0	1,294
Basswood	0	0	0	0	0	0	0	0	0	0	0
Elm	0	0	0	0	0	0	0	0	0	0	0
Other hardwoods	0	0	0	0	0	0	0	0	0	0	0
Total hardwoods	34,607	19,195	7,367	4,684	2,409	831	177	154	144	7	69,575
Total, all species	107,939	58,353	28,532	14,345	6,100	2,222	785	423	320	22	219,041

Table 69.--Number of growing-stock trees on timberland by species and diameter class, Western Maine, 1982

(In thousands of trees)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	44,557	26,407	11,312	4,808	1,350	215	24	0	0	0	88,673
Tamarack	74	0	139	0	0	0	0	0	0	0	213
White spruce	1,916	2,323	980	272	144	68	0	0	0	0	5,703
Black spruce	767	1,374	810	37	146	0	0	0	0	0	3,134
Red spruce	24,168	16,541	8,012	3,581	1,256	560	307	55	41	8	54,529
Red pine	278	148	74	74	121	133	25	19	0	0	872
White pine	7,638	5,770	4,035	2,313	2,029	922	750	202	138	46	23,843
Northern white-cedar	1,341	634	292	218	147	65	84	19	36	0	2,836
Hemlock	6,040	4,261	2,318	1,722	1,047	591	37	54	0	0	16,070
Other softwoods	70	0	0	0	0	0	0	0	0	0	70
Total softwoods	86,849	57,458	27,972	13,025	6,240	2,554	1,227	349	215	54	195,943
Sugar maple	6,515	5,366	2,816	1,777	716	346	104	111	93	0	17,844
Red maple	22,616	12,840	7,141	3,309	1,014	384	279	90	125	0	47,798
Yellow birch	5,980	5,894	5,251	3,273	1,633	1,057	385	315	432	13	24,233
Paper birch	18,988	16,248	7,178	2,665	782	382	200	35	0	0	46,478
Gray birch	2,392	573	346	72	35	29	0	0	0	0	3,447
Beech	7,038	4,172	2,627	893	452	201	60	0	0	0	15,443
White ash	2,502	2,522	1,382	655	331	90	60	37	46	0	7,625
Black ash	481	260	70	54	0	0	0	0	0	0	865
Aspen	8,452	7,229	3,891	1,561	332	148	21	0	0	0	21,634
White oaks	354	74	0	0	0	0	0	0	0	0	428
Red oaks	3,432	1,697	947	565	336	162	23	37	16	6	7,221
Basswood	168	0	71	36	0	0	0	38	0	0	313
Elm	363	164	0	0	35	36	0	0	0	0	598
Other hardwoods	583	279	74	0	0	0	0	0	0	0	936
Total hardwoods	79,864	57,318	31,794	14,860	5,666	2,835	1,132	663	712	19	194,863
Total, all species	166,713	114,776	59,766	27,885	11,906	5,389	2,359	1,012	927	73	390,806

Table 70.--Net green weight of all live trees on timberland by species and diameter class, Aroostook County, Maine, 1982

(In thousands of tons)

Species	Diameter class (inches at breast height)										All classes
	1.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21+	
Balsam fir	13,931.9	18,453.0	19,271.7	13,553.1	6,673.4	1,978.1	673.7	190.2	75.9	.0	74,801.0
Tamarack	213.6	294.5	205.6	346.5	272.0	223.6	154.7	273.6	117.9	29.6	2,131.6
White spruce	1,571.0	2,219.7	3,012.5	2,670.9	2,005.9	975.0	470.5	123.6	.0	133.3	13,182.4
Black spruce	1,745.4	4,449.8	3,221.1	1,750.6	460.0	153.7	.0	.0	69.2	.0	11,849.8
Red spruce	3,593.3	7,559.5	10,817.2	10,067.7	8,323.8	5,273.1	2,835.7	1,378.9	1,042.5	510.0	51,401.7
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	13.2	210.4	165.7	117.0	323.6	293.3	290.2	250.1	303.5	1,101.2	3,068.2
No. white-cedar	4,517.5	4,440.6	5,612.1	5,214.5	4,804.1	3,224.5	1,771.8	738.4	434.9	484.6	31,243.0
Hemlock	597.0	418.6	645.1	641.6	1,000.0	497.0	631.1	274.7	345.0	697.8	5,747.9
Other softwoods	.0	.0	18.3	.0	.0	.0	.0	.0	.0	.0	18.3
Total softwoods	26,182.9	38,046.1	42,969.3	34,361.9	23,862.8	12,618.3	6,827.7	3,229.5	2,388.9	2,956.5	193,443.9
Sugar maple	2,919.6	3,017.1	3,256.5	3,269.7	2,803.2	3,047.3	2,534.4	2,825.1	2,887.3	4,283.0	30,843.2
Soft maples	3,823.1	2,868.6	2,757.3	2,468.5	1,704.8	1,463.1	934.0	596.5	464.5	73.6	17,154.0
Yellow birch	947.4	1,240.5	1,642.1	2,012.5	2,196.1	1,641.8	1,382.8	1,013.9	524.1	952.0	13,553.2
Paper birch	2,646.1	2,638.4	2,892.7	2,236.7	826.7	352.7	278.2	96.8	.0	35.5	12,003.8
Gray birch	163.2	27.6	.0	.0	.0	.0	.0	.0	.0	.0	190.8
Beech	2,058.6	1,895.6	2,228.5	2,454.9	3,375.1	3,173.6	2,646.9	1,052.1	513.2	596.2	19,994.7
White ash	356.9	85.4	175.8	272.3	121.0	.0	106.5	.0	118.2	84.8	1,320.9
Black ash	346.4	455.9	581.5	474.0	436.4	258.7	210.3	32.6	111.7	77.3	2,984.8
Aspen	1,595.8	2,714.9	4,393.0	4,926.4	3,575.9	2,144.0	1,092.6	454.2	122.2	446.4	21,465.4
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.0	.0	27.3	28.5	.0	.0	.0	.0	55.8
Basswood	11.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	16.5
Elm	110.3	121.8	67.7	66.4	70.3	28.2	.0	.0	.0	34.8	499.5
Other comm. hardwoods	.0	13.4	.0	.0	33.7	.0	.0	.0	.0	.0	47.1
Noncomm. hardwoods	2,108.7	347.5	189.4	165.6	.0	66.4	27.4	.0	.0	.0	2,905.0
Total hardwoods	17,087.1	15,432.2	18,184.5	18,347.0	15,170.5	12,204.3	9,213.1	6,071.2	4,741.2	6,583.6	123,034.7
Total, all species	43,270.0	53,478.3	61,153.8	52,708.9	39,033.3	24,822.6	16,040.8	9,300.7	7,130.1	9,540.1	316,478.6

Table 71.--Net green weight of all live trees on timberland by species and diameter class,
Capital Region, Maine, 1982

(In thousands of tons)

Species	Diameter class (inches at breast height)										All classes
	1.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21+	
Balsam fir	4,626.4	2,302.3	1,424.6	590.8	135.4	40.2	11.8	.0	.0	.0	9,131.5
Tamarack	29.3	66.3	152.7	117.8	148.6	130.9	98.1	34.6	.0	.0	778.3
White spruce	114.3	192.8	162.3	149.9	140.6	77.9	16.0	.0	39.8	.0	893.6
Black spruce	.0	13.2	22.4	7.8	.0	.0	.0	.0	.0	.0	43.4
Red spruce	681.0	1,463.1	1,611.5	1,549.8	1,198.5	996.2	552.6	226.3	81.1	195.7	8,555.8
Red pine	.0	.0	.0	8.3	26.6	35.4	20.7	.0	.0	.0	91.0
White pine	786.2	1,077.5	1,517.2	2,049.4	2,491.1	2,150.1	1,466.5	1,384.4	1,164.7	3,537.0	17,624.1
No. white-cedar	447.4	488.3	486.6	315.5	123.5	33.8	14.3	.0	.0	.0	1,909.4
Hemlock	706.7	764.1	1,036.2	1,497.2	1,206.4	1,217.0	828.0	333.2	255.4	267.0	8,111.2
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	7,391.3	6,367.6	6,413.5	6,286.5	5,470.7	4,681.5	3,008.0	1,978.5	1,541.0	3,999.7	47,138.3
Sugar maple	710.6	489.9	608.8	449.2	208.0	93.3	42.0	85.5	30.3	96.8	2,814.4
Soft maples	2,876.2	3,042.7	3,363.0	2,662.4	1,997.8	1,026.1	611.1	587.2	476.5	473.4	17,116.4
Yellow birch	580.8	281.1	363.0	347.4	223.0	201.6	91.8	30.6	.0	27.6	2,146.9
Paper birch	1,330.4	1,390.7	1,523.2	1,106.2	673.8	351.9	134.7	25.1	24.4	27.2	6,587.6
Gray birch	1,542.7	970.8	276.4	23.9	11.1	.0	29.8	16.7	.0	.0	2,871.4
Beech	1,354.8	673.4	820.1	554.0	419.9	137.0	92.4	60.1	13.9	65.2	4,190.8
White ash	210.8	329.3	411.9	354.7	161.9	113.8	130.0	74.6	.0	87.2	1,874.2
Black ash	4.9	70.6	23.3	13.0	.0	11.1	.0	19.2	.0	.0	142.1
Aspen	889.5	1,295.7	1,591.1	1,264.7	783.2	416.6	98.9	19.2	.0	.0	6,358.9
White oaks	21.1	16.1	19.3	.0	.0	.0	.0	26.5	.0	.0	83.0
Red oaks	689.9	795.4	1,132.0	1,048.9	1,215.4	659.8	588.3	284.5	262.6	456.8	7,133.6
Basswood	49.9	15.3	49.5	15.9	18.8	17.4	23.0	10.7	.0	2.5	203.0
Elm	101.4	41.3	70.2	64.0	41.0	50.1	.0	.0	.0	.0	368.0
Other comm. hardwoods	423.7	298.5	318.5	296.1	86.0	45.0	66.9	.0	.0	20.1	1,554.8
Noncomm. hardwoods	799.3	251.0	234.0	58.2	58.8	17.5	40.4	12.1	30.4	25.1	1,526.8
Total hardwoods	11,586.0	9,961.8	10,804.3	8,258.6	5,898.7	3,141.2	1,949.3	1,252.0	838.1	1,281.9	54,971.9
Total, all species	18,977.3	16,329.4	17,217.8	14,545.1	11,369.4	7,822.7	4,957.3	3,230.5	2,379.1	5,281.6	102,110.2

Table 72.--Net green weight of all live trees on timberland by species and diameter class,
Casco Bay, Maine, 1982

(In thousands of tons)

Species	Diameter class (inches at breast height)										All classes
	1.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21+	
Balsam fir	1,299.3	679.8	514.8	418.9	107.5	29.5	.0	.0	.0	.0	3,049.8
Tamarack	55.5	32.2	.0	25.3	47.2	40.1	.0	.0	.0	.0	200.3
White spruce	.0	16.1	13.4	.0	.0	.0	.0	.0	.0	.0	29.5
Black spruce	.0	62.1	.0	.0	12.2	.0	.0	.0	.0	.0	74.3
Red spruce	348.8	235.3	278.6	320.1	200.0	145.5	52.5	.0	.0	.0	1,580.8
Red pine	111.8	49.2	84.6	186.5	218.3	107.7	46.9	.0	.0	.0	805.0
White pine	2,733.0	2,522.5	3,536.1	4,352.9	4,483.3	4,277.7	4,660.6	3,210.7	2,149.5	4,911.2	36,837.5
No. white-cedar	.0	46.0	42.2	27.8	11.6	.0	.0	.0	.0	.0	127.6
Hemlock	1,027.1	1,310.0	1,839.4	2,179.5	2,512.0	2,230.3	1,450.5	938.3	339.6	507.3	14,334.0
Other softwoods	28.5	22.4	79.1	65.0	56.3	79.9	30.4	6.9	.0	.0	368.5
Total softwoods	5,604.0	4,975.6	6,388.2	7,576.0	7,648.4	6,910.7	6,240.9	4,155.9	2,489.1	5,418.5	57,407.3
Sugar maple	524.7	243.8	201.2	134.9	84.0	165.2	75.7	56.0	93.8	84.9	1,664.2
Soft maples	4,528.3	3,938.3	3,706.5	2,543.9	1,688.5	948.9	454.0	351.0	148.2	294.5	18,602.1
Yellow birch	155.5	233.8	306.1	164.2	129.8	67.8	16.7	21.3	43.8	8.9	1,147.9
Paper birch	1,241.9	991.4	1,052.4	894.3	349.1	223.9	120.4	53.6	.0	60.4	4,987.4
Gray birch	2,126.8	540.1	178.6	44.8	46.3	.0	15.2	.0	.0	.0	2,951.8
Beech	1,126.2	646.2	768.4	379.9	401.3	201.6	129.2	115.9	45.1	74.1	3,887.9
White ash	604.9	443.3	326.8	204.6	106.1	13.6	38.5	48.7	63.0	.0	1,849.5
Black ash	27.4	35.2	31.4	.0	.0	.0	.0	.0	.0	.0	94.0
Aspen	508.7	980.0	1,257.5	881.2	263.5	156.2	53.5	.0	.0	21.9	4,122.5
White oaks	547.0	221.5	214.8	136.0	47.2	88.2	116.7	29.8	93.8	183.4	1,678.4
Red oaks	1,786.2	1,748.2	2,440.8	1,559.7	1,505.6	1,330.0	594.7	563.4	383.5	357.1	12,269.2
Basswood	86.9	13.5	4.0	.0	.0	6.0	.0	.0	.0	.0	110.4
Elm	53.7	11.9	56.6	.0	10.0	4.5	.0	.0	.0	.0	136.7
Other comm. hardwoods	315.0	207.1	139.4	39.7	69.2	60.2	25.8	23.9	.0	.0	880.3
Noncomm. hardwoods	545.6	131.6	62.6	53.5	.0	.0	.0	.0	.0	21.2	814.5
Total hardwoods	14,178.8	10,385.9	10,747.1	7,036.7	4,700.6	3,266.1	1,640.4	1,263.6	871.2	1,106.4	55,196.8
Total, all species	19,782.8	15,361.5	17,135.3	14,612.7	12,349.0	10,176.8	7,881.3	5,419.5	3,360.3	6,524.9	112,604.1

Table 73.--Net green weight of all live trees on timberland by species and diameter class,
Hancock County, Maine 1982

(In thousands of tons)

Species	Diameter class (inches at breast height)										All classes
	1.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21+	
Balsam fir	3,735.6	2,683.6	1,412.4	538.8	189.3	31.7	.0	.0	.0	.0	8,591.4
Tamarack	.0	55.6	32.0	125.1	20.6	59.7	.0	49.6	.0	.0	342.6
White spruce	5.6	110.8	89.0	61.9	52.6	75.6	.0	.0	.0	.0	395.5
Black spruce	483.7	301.1	244.6	108.0	25.3	69.0	.0	.0	.0	.0	1,231.7
Red spruce	2,615.9	2,152.3	3,125.6	3,190.9	2,567.3	1,370.2	974.7	483.3	130.1	342.7	16,953.0
Red pine	.0	.0	.0	107.7	113.8	85.5	.0	51.0	.0	.0	358.0
White pine	264.8	242.3	258.1	316.4	582.4	257.1	586.0	74.1	281.1	1,233.8	4,096.1
No. white-cedar	629.6	597.1	714.9	525.6	390.1	82.4	184.8	.0	.0	.0	3,124.5
Hemlock	468.2	668.4	574.9	962.8	783.2	282.0	386.2	76.3	314.0	446.7	4,962.7
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	8,203.4	6,811.2	6,451.5	5,937.2	4,724.6	2,313.2	2,131.7	734.3	725.2	2,023.2	40,055.5
Sugar maple	321.0	193.8	43.3	142.5	61.1	110.1	200.3	59.7	.0	231.1	1,362.9
Soft maples	1,270.4	1,767.2	1,877.5	1,169.1	805.0	444.2	398.4	312.3	.0	237.2	8,281.3
Yellow birch	405.9	322.6	484.9	472.8	211.8	164.5	181.8	119.4	41.3	190.9	2,595.9
Paper birch	419.3	1,445.5	1,403.2	866.5	364.4	92.9	.0	.0	112.8	80.4	4,785.0
Gray birch	219.5	218.6	39.1	.0	27.2	.0	.0	.0	.0	.0	504.4
Beech	1,187.1	640.1	171.3	172.7	93.3	115.2	22.1	45.8	19.2	47.8	2,514.6
White ash	294.4	110.6	66.8	102.1	128.7	140.7	19.1	63.1	27.5	.0	953.0
Black ash	128.3	91.0	.0	34.8	104.0	36.5	42.9	.0	.0	.0	437.5
Aspen	452.8	506.3	748.0	963.3	473.4	347.1	.0	41.4	30.5	.0	3,562.8
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	38.3	44.7	62.1	74.8	.0	37.7	102.3	41.9	.0	.0	401.8
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other comm. hardwoods	224.0	22.5	34.4	.0	.0	.0	.0	.0	.0	.0	280.9
Noncomm. hardwoods	428.1	78.9	60.4	8.5	.0	.0	.0	.0	.0	.0	575.9
Total hardwoods	5,389.1	5,441.8	4,991.0	4,007.1	2,268.9	1,488.9	966.9	683.6	231.3	787.4	26,256.0
Total, all species	13,592.5	12,253.0	11,442.5	9,944.3	6,993.5	3,802.1	3,098.6	1,417.9	956.5	2,810.6	66,311.5

Table 74.--Net green weight of all live trees on timberland by species and diameter class,
Penobscot County, Maine 1982

(In thousands of tons)

Species	Diameter class (inches at breast height)										All classes
	1.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21+	
Balsam fir	4,689.6	5,736.3	4,125.3	1,853.6	423.9	56.3	46.6	.0	.0	.0	16,931.6
Tamarack	344.1	264.1	261.4	205.6	188.2	83.3	.0	.0	.0	.0	1,346.7
White spruce	588.3	491.5	388.0	231.6	124.6	146.7	127.9	106.7	88.4	.0	2,293.7
Black spruce	203.4	289.3	149.7	146.2	60.0	32.1	.0	.0	.0	.0	880.7
Red spruce	2,058.3	3,519.1	5,339.5	5,344.9	3,795.5	2,466.6	744.4	118.9	114.1	86.8	23,588.1
Red pine	18.6	47.1	74.2	178.7	471.6	177.2	226.7	.0	.0	22.4	1,216.5
White pine	608.3	400.2	464.4	786.8	889.1	1,117.2	1,045.9	1,034.7	553.3	2,728.0	9,627.9
No. white-cedar	2,296.1	3,163.0	3,410.6	2,123.0	1,426.7	720.2	176.8	66.2	9.1	6.9	13,398.6
Hemlock	1,615.5	2,475.5	3,510.6	3,064.8	3,147.4	1,932.7	1,175.8	331.0	512.9	468.3	18,234.5
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	12,422.2	16,386.1	17,723.7	13,935.2	10,527.0	6,732.3	3,544.1	1,657.5	1,277.8	3,312.4	87,518.3
Sugar maple	721.4	918.3	1,362.1	1,248.9	964.2	1,103.4	605.2	650.7	430.7	345.0	8,349.9
Soft maples	2,633.0	2,920.2	3,294.0	2,628.8	2,173.0	1,273.2	447.8	460.7	175.8	331.8	16,338.3
Yellow birch	158.9	878.3	926.3	1,014.2	659.6	462.3	416.9	233.2	96.6	252.9	5,099.2
Paper birch	1,192.8	1,155.1	1,690.3	1,760.1	866.0	458.2	296.9	103.6	61.6	141.6	7,726.2
Gray birch	1,431.0	910.8	237.4	.0	.0	.0	.0	.0	.0	.0	2,579.2
Beech	2,878.5	2,590.4	2,714.4	1,888.8	1,598.3	1,023.4	322.1	220.0	61.0	9.9	13,306.8
White ash	.0	316.3	300.9	461.3	423.9	295.6	109.5	.0	13.5	90.7	2,011.7
Black ash	318.1	583.1	363.2	292.3	224.2	237.2	.0	.0	137.3	.0	2,155.4
Aspen	372.3	1,087.3	2,213.8	3,077.1	2,203.3	1,691.5	292.3	255.4	.0	54.4	11,247.4
White oaks	.0	62.7	50.9	.0	.0	.0	.0	.0	.0	.0	113.6
Red oaks	11.6	36.5	15.4	29.3	99.7	.0	188.5	75.1	.0	.0	456.1
Basswood	.0	31.0	35.9	.0	46.1	34.0	37.6	41.6	.0	.0	226.2
Elm	46.2	108.9	125.8	.0	28.7	165.3	45.5	275.0	41.8	626.4	1,463.6
Other comm. hardwoods	22.8	135.7	32.7	40.5	54.3	32.5	.0	.0	.0	.0	318.5
Noncomm. hardwoods	1,175.8	335.6	184.8	50.8	31.2	.0	.0	.0	.0	.0	1,778.2
Total hardwoods	10,962.4	12,070.2	13,547.9	12,492.1	9,372.5	6,776.6	2,762.3	2,315.3	1,018.3	1,852.7	73,170.3
Total, all species	23,384.6	28,456.3	31,271.6	26,427.3	19,899.5	13,508.9	6,306.4	3,972.8	2,296.1	5,165.1	160,688.6

Table 75.--Net green weight of all live trees on timberland by species and diameter class,
Piscataquis County, Maine, 1982

(In thousands of tons)

Species	Diameter class (inches at breast height)										All classes
	1.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21+	
Balsam fir	8,434.4	9,592.3	10,238.0	6,400.3	2,458.4	729.0	240.0	.0	.0	.0	38,092.4
Tamarack	332.7	244.1	62.0	182.1	96.5	62.9	.0	.0	.0	.0	980.3
White spruce	1,073.7	925.3	913.1	916.4	550.7	231.9	54.4	189.7	38.6	.0	4,893.8
Black spruce	291.7	831.0	728.8	675.2	593.1	494.3	156.3	50.7	.0	.0	3,821.1
Red spruce	6,044.9	10,208.6	11,631.5	9,706.5	6,499.9	5,609.6	2,879.6	1,595.4	812.7	450.3	55,439.0
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	38.1	408.5	401.6	697.0	706.8	330.5	728.0	811.5	378.3	3,504.5	8,004.8
No. white-cedar	1,177.1	874.8	1,792.1	1,967.6	1,799.8	1,236.7	952.5	352.3	423.0	254.6	10,830.5
Hemlock	334.6	538.9	665.5	833.4	672.2	391.3	484.5	274.9	289.0	342.3	4,826.6
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	17,727.2	23,623.5	26,432.6	21,378.5	13,377.4	9,086.2	5,495.3	3,274.5	1,941.6	4,551.7	126,888.5
Sugar maple	430.0	810.6	1,525.7	1,729.9	1,965.1	1,998.0	1,121.8	1,496.7	1,102.2	1,700.1	13,880.1
Soft maples	863.4	2,310.4	2,949.2	2,943.2	2,443.3	1,388.6	962.2	715.9	296.6	537.0	15,409.8
Yellow birch	1,449.5	749.4	1,284.9	1,820.4	1,816.6	1,174.3	1,185.6	788.5	509.5	944.6	11,723.3
Paper birch	1,069.3	1,517.7	1,496.7	1,431.7	886.2	537.7	384.8	114.8	.0	63.7	7,502.6
Gray birch	191.8	92.7	19.5	39.0	31.5	39.7	.0	.0	.0	.0	414.2
Beech	1,570.4	1,363.6	1,775.8	2,470.4	1,693.1	1,552.7	756.5	427.0	23.5	24.7	11,657.7
White ash	33.6	113.7	293.0	265.7	140.4	125.4	64.5	46.2	42.2	.0	1,124.7
Black ash	162.1	276.4	423.1	196.4	97.0	155.4	44.8	54.6	.0	.0	1,409.8
Aspen	714.4	366.8	1,274.1	1,684.7	1,086.0	998.6	598.5	303.4	324.2	149.0	7,499.7
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.0	.0	.0	38.5	.0	40.0	110.8	158.0	347.3
Basswood	.0	2.2	34.3	18.2	37.0	18.2	.0	.0	.0	.0	109.9
Elm	7.6	.0	35.7	41.5	.0	.0	.0	.0	.0	.0	84.8
Other comm. hardwoods	15.8	.0	27.1	.0	37.1	.0	.0	.0	.0	.0	80.0
Noncomm. hardwoods	932.6	525.7	236.0	.0	21.8	12.7	.0	.0	.0	.0	1,728.8
Total hardwoods	7,440.5	8,129.2	11,375.1	12,641.1	10,255.1	8,039.8	5,118.7	3,987.1	2,409.0	3,577.1	72,972.7
Total, all species	25,167.7	31,752.7	37,807.7	34,019.6	23,632.5	17,126.0	10,614.0	7,261.6	4,350.6	8,128.8	199,861.2

Table 76.--Net green weight of all live trees on timberland by species and diameter class, Somerset County, Maine, 1982

(In thousands of tons)

Species	Diameter class (inches at breast height)										All classes
	1.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21+	
Balsam fir	8,903.6	10,093.4	12,985.5	8,373.1	3,091.3	1,321.2	564.1	.0	.0	42.6	45,374.8
Tamarack	12.9	48.9	.0	57.4	25.3	.0	41.1	.0	.0	.0	185.6
White spruce	913.4	1,038.4	783.1	650.5	308.8	224.1	111.7	.0	.0	.0	4,030.0
Black spruce	770.4	1,237.0	875.8	390.8	87.3	70.8	41.2	.0	.0	.0	3,473.3
Red spruce	4,341.6	7,088.2	8,997.7	7,421.4	5,069.8	3,200.6	1,387.0	764.4	252.5	315.1	38,838.3
Red pine	.0	60.7	230.9	309.7	239.4	.0	55.7	53.2	.0	.0	949.6
White pine	343.9	420.5	730.8	733.0	764.0	798.5	506.8	659.2	682.9	887.3	6,526.9
No. white-cedar	404.1	786.8	1,633.2	1,676.2	1,541.3	1,157.9	581.9	328.6	127.6	127.8	8,365.4
Hemlock	303.5	788.6	946.7	804.1	632.4	637.1	717.8	405.4	43.3	530.4	5,809.3
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	15,993.4	21,562.5	27,183.7	20,416.2	11,759.6	7,410.2	4,007.3	2,210.8	1,106.3	1,903.2	113,553.2
Sugar maple	1,418.4	1,633.8	2,591.6	2,651.5	3,193.4	2,515.3	2,241.4	1,374.1	1,508.1	2,712.9	21,840.5
Soft maples	2,861.4	2,845.0	3,545.6	3,373.3	1,910.1	1,512.0	879.5	670.8	682.9	231.0	18,511.6
Yellow birch	1,442.2	1,167.2	2,069.7	1,991.5	1,874.1	2,010.6	1,836.1	1,356.9	660.5	2,080.8	16,489.6
Paper birch	977.3	3,111.3	3,271.6	2,759.9	2,049.1	974.7	396.9	203.8	.0	75.0	13,819.6
Gray birch	354.2	576.4	207.3	37.1	51.1	39.3	.0	.0	.0	.0	1,265.4
Beech	1,273.0	1,508.1	1,618.1	1,627.5	1,656.5	1,021.8	812.3	506.0	.0	242.7	10,266.0
White ash	277.1	197.7	516.8	500.4	340.9	40.9	.0	46.1	.0	.0	1,919.9
Black ash	601.1	238.1	258.4	228.3	225.2	37.7	.0	.0	.0	.0	1,588.8
Aspen	133.9	1,227.9	1,717.3	1,301.2	1,097.6	748.3	350.7	343.7	312.2	.0	7,232.8
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	62.4	25.5	112.0	.0	41.0	.0	.0	.0	160.2	401.1
Basswood	12.3	.0	10.9	16.2	13.9	.0	.0	40.6	.0	.0	93.9
Elm	187.1	50.5	.0	75.2	.0	126.4	.0	.0	.0	.0	439.2
Other comm. hardwoods	256.8	73.8	78.9	.0	37.7	20.8	41.1	.0	21.6	62.5	593.2
Noncomm. hardwoods	2,137.7	650.5	410.7	19.9	23.8	63.4	26.9	.0	.0	.0	3,332.9
Total hardwoods	11,932.5	13,342.7	16,322.4	14,694.0	12,473.4	9,152.2	6,584.9	4,542.0	3,185.3	5,565.1	97,794.5
Total, all species	27,925.9	34,905.2	43,506.1	35,110.2	24,233.0	16,562.4	10,592.2	6,752.8	4,291.6	7,468.3	211,347.7

Table 77.--Net green weight of all live trees on timberland by species and diameter class, Washington County, Maine, 1982

(In thousands of tons)

Species	Diameter class (inches at breast height)										All classes
	1.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21+	
Balsam fir	6,382.8	5,221.4	3,171.0	1,415.3	300.7	35.6	62.3	.0	.0	.0	16,589.1
Tamarack	180.1	101.6	174.2	88.3	169.1	14.8	44.3	34.6	.0	31.4	838.4
White spruce	464.7	791.4	764.7	539.8	114.0	87.4	.0	43.5	.0	.0	2,805.5
Black spruce	1,501.1	820.9	310.0	155.8	103.4	.0	.0	.0	.0	.0	2,891.2
Red spruce	3,295.1	4,145.4	4,919.9	4,244.0	3,196.9	1,809.4	877.4	772.1	128.9	206.7	23,595.8
Red pine	.0	14.3	.0	21.2	69.0	154.2	.0	.0	.0	.0	258.7
White pine	134.8	169.2	64.1	328.1	528.7	430.6	474.1	264.8	345.8	820.7	3,560.9
No. white-cedar	1,668.6	1,205.1	1,119.5	1,077.2	603.2	374.0	117.4	10.6	44.7	9.2	6,229.5
Hemlock	1,148.8	1,312.1	1,672.4	1,851.1	1,541.1	825.3	467.3	225.1	132.9	49.5	9,225.6
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	14,776.0	13,781.4	12,195.8	9,720.8	6,626.1	3,731.3	2,042.8	1,350.7	652.3	1,117.5	65,994.7
Sugar maple	565.4	361.8	408.6	188.1	309.2	70.7	71.4	141.9	54.9	596.4	2,768.4
Soft maples	3,188.5	2,224.8	2,465.3	1,580.3	1,566.6	1,213.8	518.2	118.0	182.5	50.3	13,108.3
Yellow birch	356.8	389.1	543.0	544.0	385.2	236.2	150.6	283.3	88.6	52.0	3,028.8
Paper birch	1,299.2	1,673.0	1,921.5	929.2	808.0	454.8	145.5	.0	.0	.0	7,231.2
Gray birch	1,107.6	233.3	72.0	.0	.0	.0	.0	.0	.0	.0	1,412.9
Beech	2,400.6	701.8	509.1	411.7	365.8	423.9	257.9	102.0	40.6	.0	5,213.4
White ash	.0	24.0	127.2	111.4	48.7	7.1	77.0	.0	.0	.0	395.4
Black ash	575.7	371.7	375.6	152.4	78.1	31.9	46.8	.0	.0	.0	1,632.2
Aspen	1,882.1	1,183.5	666.1	680.2	1,050.8	832.8	483.6	166.0	260.3	31.6	7,237.0
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	89.8	29.8	154.7	190.4	122.0	.0	.0	.0	.0	.0	586.7
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other comm. hardwoods	11.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7
Noncomm. hardwoods	686.8	67.2	57.1	.0	.0	.0	.0	.0	.0	.0	811.1
Total hardwoods	12,164.2	7,260.0	7,300.2	4,787.7	4,734.4	3,271.2	1,751.0	811.2	626.9	730.3	43,437.1
Total, all species	26,940.2	21,041.4	19,496.0	14,508.5	11,360.5	7,002.5	3,793.8	2,161.9	1,279.2	1,847.8	109,431.8

Table 78.--Net green weight of all live trees on timberland by species and diameter class,
Western Maine, 1982

(In thousands of tons)

Species	Diameter class (inches at breast height)										All classes
	1.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21+	
Balsam fir	5,814.0	7,379.9	7,611.7	5,352.8	3,446.1	1,409.5	293.8	41.7	.0	.0	31,349.5
Tamarack	209.9	10.8	.0	57.0	.0	.0	.0	.0	.0	.0	277.7
White spruce	112.0	334.8	647.0	472.9	202.9	157.7	90.4	.0	.0	.0	2,017.7
Black spruce	885.7	121.1	384.2	408.1	32.0	159.8	.0	.0	.0	.0	1,990.9
Red spruce	1,978.4	4,008.7	4,976.0	3,961.2	2,724.5	1,389.2	824.9	556.1	137.4	231.8	20,788.2
Red pine	.0	43.7	52.2	48.1	68.4	149.1	279.2	55.5	59.0	.0	755.2
White pine	366.4	1,234.8	1,833.9	2,174.0	2,085.9	2,423.8	1,667.5	1,612.7	754.5	1,222.8	15,376.3
No. white-cedar	106.9	247.9	176.6	112.2	98.4	90.6	61.7	60.3	16.2	40.4	1,011.2
Hemlock	185.5	1,100.6	1,232.2	1,145.1	1,298.6	1,138.2	811.4	74.4	134.1	144.5	7,264.6
Other softwoods	.0	8.7	.0	18.2	.0	.0	.0	.0	.0	.0	26.9
Total softwoods	9,658.8	14,491.0	16,913.8	13,749.6	9,956.8	6,917.9	4,028.9	2,400.7	1,101.2	1,639.5	80,858.2
Sugar maple	1,990.5	1,318.7	1,984.9	1,731.8	1,582.9	1,025.6	572.8	310.9	294.2	424.7	11,237.0
Soft maples	2,798.4	4,468.9	4,635.7	4,110.0	2,910.6	1,611.3	783.5	594.0	287.1	546.3	22,745.8
Yellow birch	979.4	1,286.2	2,217.5	3,181.5	3,028.6	2,047.2	1,875.3	1,003.9	848.5	2,728.3	19,196.4
Paper birch	2,215.0	3,617.3	6,067.9	4,572.2	2,771.2	1,208.1	911.3	541.9	269.8	.0	22,174.7
Gray birch	570.9	537.0	214.0	181.1	53.9	42.1	39.1	.0	.0	.0	1,638.1
Beech	1,358.0	1,873.2	2,054.0	2,310.1	1,140.8	715.5	528.9	147.4	.0	.0	10,127.9
White ash	457.9	429.0	774.8	706.2	535.7	371.4	151.0	129.9	99.9	216.5	3,872.3
Black ash	72.4	74.8	80.2	80.3	33.6	.0	.0	53.3	.0	.0	394.6
Aspen	796.9	1,497.9	2,422.6	2,110.3	1,316.3	404.0	271.5	49.5	70.2	.0	8,939.2
White oaks	.0	95.2	29.9	.0	.0	.0	.0	21.4	.0	.0	146.5
Red oaks	173.3	587.5	547.8	503.3	425.7	362.6	265.7	44.4	89.8	236.2	3,236.3
Basswood	.0	18.8	.0	19.1	13.2	.0	.0	.0	31.2	.0	82.3
Elm	.0	69.5	79.1	.0	36.0	39.6	51.6	.0	.0	.0	275.8
Other comm. hardwoods	42.4	188.2	106.3	42.5	.0	.0	.0	.0	.0	.0	379.4
Noncomm. hardwoods	3,990.4	1,463.2	293.5	47.4	21.2	64.1	.0	10.7	.0	.0	5,890.5
Total hardwoods	15,445.5	17,525.4	21,508.2	19,595.8	13,869.7	7,891.5	5,450.7	2,907.3	1,990.7	4,152.0	110,336.8
Total, all species	25,104.3	32,016.4	38,422.0	33,345.4	23,826.5	14,809.4	9,479.6	5,308.0	3,091.9	5,791.5	191,195.0

Table 79.--Net volume and green weight of all trees on timberland by class of material and softwoods and hardwoods, Aroostook County, Maine, 1982

Class of material	Volume ^a			Weight ^b		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	-----Million cubic feet-----			-----Thousand tons-----		
Sawtimber trees:						
Sawlog portion	1,824.8	606.5	2,431.3	51,584.3	25,018.7	76,603.0
Upper stem	272.0	147.9	419.9	7,646.9	6,018.9	13,665.8
Total	2,096.8	754.4	2,851.2	59,231.2	31,037.6	90,268.8
Poletimber trees	1,758.6	739.2	2,497.8	49,368.3	28,191.1	77,559.4
All growing stock	3,855.4	1,493.6	5,349.0	108,599.5	59,228.7	167,828.2
Rough cull trees ^c	179.9	194.8	374.7	5,967.0	10,155.0	16,122.0
Rotten cull trees ^c	86.8	115.0	201.8	3,060.2	6,661.7	9,721.9
Salvable dead trees ^d	129.9	27.7	157.6	7,871.2	2,823.3	10,694.5
Saplings ^e	-	-	-	26,182.9	17,087.1	43,270.0
Stumps ^f	-	-	-	2,970.6	1,812.5	4,783.1
Tops - growing stock	-	-	-	43,318.8	22,034.9	65,353.7
Tops - rough and rotten	-	-	-	3,597.5	6,143.7	9,741.2
All non-growing stock	396.6	337.5	734.1	92,968.2	66,718.2	159,686.4
All classes	4,252.0	1,831.1	6,083.1	201,567.7	125,946.9	327,514.6

^aExcludes bark.

^bIncludes bark and sound cull; excludes rotten cull.

^cBole portion of trees 5.0 inches dbh and larger.

^dVolume of bole portion of trees 5.0 inches dbh and larger, and weight of entire tree aboveground.

^eIncludes entire tree aboveground.

^fOf all salvable dead and all live trees 5.0 inches dbh and larger.

Table 80.--Net volume and green weight of all trees on timberland by class of material and softwoods and hardwoods, Capital Region, Maine, 1982

Class of material	Volume ^a			Weight ^b		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	-----Million cubic feet-----			-----Thousand tons-----		
Sawtimber trees:						
Sawlog portion	436.2	171.8	608.0	16,300.0	6,731.5	23,031.5
Upper stem	56.3	46.0	102.3	2,021.9	1,778.6	3,800.5
Total	492.5	217.8	710.3	18,321.9	8,510.1	26,832.0
Poletimber trees	241.6	458.2	699.8	7,604.4	16,745.7	24,350.1
All growing stock	734.1	676.0	1,410.1	25,926.3	25,255.8	51,182.1
Rough cull trees ^c	42.1	60.6	102.7	2,243.5	3,380.9	5,624.4
Rotten cull trees ^c	13.8	32.3	46.1	671.7	1,889.4	2,561.1
Salvable dead trees ^d	12.8	14.9	27.7	331.3	396.5	727.8
Saplings ^e	-	-	-	7,391.3	11,586.0	18,977.3
Stumps ^f	-	-	-	532.4	707.3	1,239.7
Tops - growing stock	-	-	-	9,340.3	10,076.9	19,417.2
Tops - rough and rotten	-	-	-	1,042.8	2,088.2	3,131.0
All non-growing stock	68.7	107.8	176.5	21,553.3	30,125.2	51,678.5
All classes	802.8	783.8	1,586.6	47,479.6	55,381.0	102,860.6

^aExcludes bark.

^bIncludes bark and sound cull; excludes rotten cull.

^cBole portion of trees 5.0 inches dbh and larger.

^dVolume of bole portion of trees 5.0 inches dbh and larger, and weight of entire tree aboveground.

^eIncludes entire tree aboveground.

^fOf all salvable dead and all live trees 5.0 inches dbh and larger.

Table 81.--Net volume and green weight of all trees on timberland by class of material and softwoods and hardwoods, Casco Bay, Maine, 1982

Class of material	Volume ^a			Weight ^b		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	-----Million cubic feet-----			-----Thousand tons-----		
Sawtimber trees:						
Sawlog portion	680.7	157.1	837.8	23,673.0	5,908.5	29,581.5
Upper stem	85.1	42.1	127.2	2,876.2	1,552.5	4,428.7
Total	765.8	199.2	965.0	26,549.2	7,461.0	34,010.2
Poletimber trees	200.5	482.3	682.8	6,016.7	16,156.4	22,173.1
All growing stock	966.3	681.5	1,647.8	32,565.9	23,617.4	56,183.3
Rough cull trees ^c	92.3	69.6	161.9	4,944.6	3,170.9	8,115.5
Rotten cull trees ^c	11.9	33.8	45.7	587.1	1,940.3	2,527.4
Salvable dead trees ^d	6.4	2.3	8.7	398.8	197.2	596.0
Saplings ^e	-	-	-	5,604.0	14,178.8	19,782.8
Stumps ^f	-	-	-	624.1	694.3	1,318.4
Tops - growing stock	-	-	-	11,240.6	9,574.2	20,814.8
Tops - rough and rotten	-	-	-	1,849.5	2,026.0	3,875.5
All non-growing stock	110.6	105.7	216.3	25,248.7	31,781.7	57,030.4
All classes	1,076.9	787.2	1,864.1	57,814.6	55,399.1	113,213.7

^aExcludes bark.

^bIncludes bark and sound cull; excludes rotten cull.

^cBole portion of trees, 5.0 inches dbh and larger.

^dVolume of bole portion of trees 5.0 inches dbh and larger, and weight of entire tree aboveground.

^eIncludes entire tree aboveground.

^fOf all salvable dead and all live trees 5.0 inches dbh and larger.

Table 82.--Net volume and green weight of all trees on timberland by class of material and softwoods and hardwoods, Hancock County, Maine, 1982

Class of material	Volume ^a			Weight ^b		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	-----Million cubic feet-----			-----Thousand tons-----		
Sawtimber trees:						
Sawlog portion	361.6	57.6	419.2	11,363.4	2,369.7	13,733.1
Upper stem	50.5	15.8	66.3	1,547.0	639.1	2,186.1
Total	412.1	73.5	485.6	12,910.4	3,008.8	15,919.2
Poletimber trees	249.0	189.7	438.7	7,467.3	7,239.4	14,706.7
All growing stock	661.1	263.2	924.3	20,377.7	10,248.2	30,625.9
Rough cull trees ^c	47.5	53.6	101.1	2,053.4	3,042.5	5,095.9
Rotten cull trees ^c	6.8	21.7	28.5	296.2	1,358.1	1,654.3
Salvable dead trees ^d	6.7	3.4	10.1	471.5	360.8	832.3
Saplings ^e	-	-	-	8,203.4	5,389.1	13,592.5
Stumps ^f	-	-	-	480.0	352.7	832.7
Tops - growing stock	-	-	-	7,702.8	4,135.5	11,838.3
Tops - rough and rotten	-	-	-	956.7	1,740.6	2,697.3
All non-growing stock	61.0	78.7	139.7	20,164.0	16,379.3	36,543.3
All classes	722.1	341.9	1,064.0	40,541.7	26,627.5	67,169.2

^aExcludes bark.

^bIncludes bark and sound cull; excludes rotten cull.

^cBole portion of trees 5.0 inches dbh and larger.

^dVolume of bole portion of trees 5.0 inches dbh and larger, and weight of entire tree aboveground.

^eIncludes entire tree aboveground.

^fOf all salvable dead and all live trees 5.0 inches dbh and larger.

Table 83.--Net volume and green weight of all trees on timberland by class of material and softwoods and hardwoods, Penobscot County, Maine, 1982

Class of material	Volume ^a			Weight ^b		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	-----Million cubic feet-----			-----Thousand tons-----		
Sawtimber trees:						
Sawlog portion	711.2	259.7	970.9	24,298.1	11,099.0	35,397.1
Upper stem	102.5	68.5	171.0	3,428.7	2,890.4	6,319.1
Total	813.7	328.2	1,141.9	27,726.8	13,989.4	41,716.2
Poletimber trees	604.8	459.0	1,063.8	18,976.7	18,779.1	37,755.8
All growing stock	1,418.5	787.2	2,205.7	46,703.5	32,768.5	79,472.0
Rough cull trees ^c	126.0	142.1	268.1	4,978.2	7,367.3	12,345.5
Rotten cull trees ^c	37.7	61.4	99.1	1,485.0	3,950.4	5,435.4
Salvable dead trees ^d	35.8	9.9	45.7	2,383.5	1,109.4	3,492.9
Saplings ^e	-	-	-	12,422.2	10,962.4	23,384.6
Stumps ^f	-	-	-	1,291.1	1,051.5	2,342.6
Tops - growing stock	-	-	-	18,125.3	12,592.8	30,718.1
Tops - rough and rotten	-	-	-	2,588.2	4,513.7	7,101.9
All non-growing stock	199.5	213.4	412.9	43,273.5	41,547.5	84,821.0
All classes	1,618.0	1,000.6	2,618.6	89,977.0	74,316.0	164,293.0

^aExcludes bark.

^bIncludes bark and sound cull; excludes rotten cull.

^cBole portion of trees 5.0 inches dbh and larger.

^dVolume of bole portion of trees 5.0 inches dbh and larger, and weight of entire tree aboveground.

^eIncludes entire tree aboveground.

^fOf all salvable dead and all live trees 5.0 inches dbh and larger.

Table 84.--Net volume and green weight of all trees on timberland by class of material and softwoods and hardwoods, Piscataquis County, Maine, 1982

Class of material	Volume ^a			Weight ^b		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	-----Million cubic feet-----			-----Thousand tons-----		
Sawtimber trees:						
Sawlog portion	1,209.4	407.3	1,616.7	36,005.4	16,331.2	52,336.6
Upper stem	172.2	100.9	273.1	5,052.0	3,984.4	9,036.4
Total	1,381.6	508.2	1,889.8	41,057.4	20,315.6	61,373.0
Poletimber trees	1,087.2	473.9	1,561.1	30,402.4	18,131.4	48,533.8
All growing stock	2,468.8	982.1	3,450.9	71,459.8	38,447.0	109,906.8
Rough cull trees ^c	90.1	79.9	170.0	2,630.4	3,581.1	6,211.5
Rotten cull trees ^c	99.8	99.7	199.5	3,232.1	5,056.3	8,288.4
Salvable dead trees ^d	56.8	14.4	71.2	3,408.5	1,324.6	4,733.1
Saplings ^e	-	-	-	17,727.2	7,440.5	25,167.7
Stumps ^f	-	-	-	1,776.6	1,142.5	2,919.1
Tops - growing stock	-	-	-	27,891.4	14,194.0	42,085.4
Tops - rough and rotten	-	-	-	2,306.6	3,154.8	5,461.4
All non-growing stock	246.7	194.0	440.7	58,972.8	35,893.8	94,866.6
All classes	2,715.5	1,176.1	3,891.6	130,432.6	74,340.8	204,773.4

^aExcludes bark.

^bIncludes bark and sound cull; excludes rotten cull.

^cBole portion of trees 5.0 inches dbh and larger.

^dVolume of bole portion of trees 5.0 inches dbh and larger, and weight of entire tree aboveground.

^eIncludes entire tree aboveground.

^fOf all salvable dead and all live trees 5.0 inches dbh and larger.

Table 85.--Net volume and green weight of all trees on timberland by class of material and softwoods and hardwoods, Somerset County, Maine, 1982

Class of material	Volume ^a			Weight ^b		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	-----Million cubic feet-----			-----Thousand tons-----		
Sawtimber trees:						
Sawlog portion	988.9	473.0	1,461.9	30,011.1	19,714.8	49,725.9
Upper stem	148.1	117.6	265.7	4,433.6	4,845.9	9,279.5
Total	1,137.0	590.6	1,727.6	34,444.7	24,560.7	59,005.4
Poletimber trees	1,038.2	655.4	1,693.6	29,837.8	25,489.4	55,327.2
All growing stock	2,175.2	1,246.0	3,421.2	64,282.5	50,050.1	114,332.6
Rough cull trees ^c	99.5	143.1	242.6	3,064.0	6,592.2	9,656.2
Rotten cull trees ^c	39.2	91.4	130.6	1,231.4	4,780.5	6,011.9
Salvable dead trees ^d	75.6	25.5	101.1	3,725.3	1,876.6	5,601.9
Saplings ^e	-	-	-	15,993.4	11,932.5	27,925.9
Stumps ^f	-	-	-	1,610.1	1,461.3	3,071.4
Tops - growing stock	-	-	-	25,690.2	18,856.7	44,546.9
Tops - rough and rotten	-	-	-	1,788.2	4,175.7	5,963.9
All non-growing stock	214.3	260.0	474.3	53,102.6	49,675.5	102,778.1
All classes	2,389.5	1,506.0	3,895.5	117,385.1	99,725.6	217,110.7

^aExcludes bark.

^bIncludes bark and sound cull; excludes rotten cull.

^cBole portion of trees 5.0 inches dbh and larger.

^dVolume of bole portion of trees 5.0 inches dbh and larger, and weight of entire tree aboveground.

^eIncludes entire tree aboveground.

^fOf all salvable dead and all live trees 5.0 inches dbh and larger.

Table 86.--Net volume and green weight of all trees on timberland by class of material and softwoods and hardwoods, Washington County, Maine, 1982

Class of material	Volume ^a			Weight ^b		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	-----Million cubic feet-----			-----Thousand tons-----		
Sawtimber trees:						
Sawlog portion	452.4	128.6	581.0	15,181.8	5,422.7	20,604.5
Upper stem	66.9	34.6	101.5	2,209.4	1,442.6	3,652.0
Total	519.3	163.2	682.5	17,391.2	6,865.3	24,256.5
Poletimber trees	425.5	250.8	676.3	13,216.7	10,313.1	23,529.8
All growing stock	944.8	414.0	1,358.8	30,607.9	17,178.4	47,786.3
Rough cull trees ^c	108.8	42.3	151.1	3,990.9	2,566.6	6,557.5
Rotten cull trees ^c	24.7	25.7	50.4	1,365.3	2,287.8	3,653.1
Salvable dead trees ^d	64.2	32.4	96.6	1,628.7	1,229.3	2,858.0
Saplings ^e	-	-	-	14,776.0	12,164.2	26,940.2
Stumps ^f	-	-	-	869.1	538.6	1,407.7
Tops - growing stock	-	-	-	12,073.9	6,806.2	18,880.1
Tops - rough and rotten	-	-	-	2,359.7	1,920.7	4,280.4
All non-growing stock	197.7	100.4	298.1	37,063.6	27,513.4	64,577.0
All classes	1,142.5	514.4	1,656.9	67,671.5	44,691.8	112,363.3

^aExcludes bark.

^bIncludes bark and sound cull; excludes rotten cull.

^cBole portion of trees 5.0 inches dbh and larger.

^dVolume of bole portion of trees 5.0 inches dbh and larger, and weight of entire tree aboveground.

^eIncludes entire tree aboveground.

^fOf all salvable dead and all live trees 5.0 inches dbh and larger.

Table 87.--Net volume and green weight of all trees on timberland by class of material and softwoods and hardwoods, Western Maine, 1982

Class of material	Volume ^a			Weight ^b		
	Softwoods	Hardwoods	All species	Softwoods	Hardwoods	All species
	-----Million cubic feet-----			-----Thousand tons-----		
Sawtimber trees:						
Sawlog portion	770.9	455.4	1,226.3	24,493.6	18,088.6	42,582.2
Upper stem	112.0	119.8	231.8	3,490.5	4,675.2	8,165.7
Total	882.9	575.2	1,458.1	27,984.1	22,763.8	50,747.9
Poletimber trees	651.2	919.0	1,570.2	18,654.1	33,788.6	52,442.7
All growing stock	1,534.1	1,494.2	3,028.3	46,638.2	56,552.4	103,190.6
Rough cull trees ^c	70.9	115.8	186.7	2,808.4	5,999.2	8,807.6
Rotten cull trees ^c	26.3	83.3	109.6	1,024.8	4,715.7	5,740.5
Salvable dead trees ^d	54.4	14.2	68.6	2,738.4	1,066.2	3,804.6
Saplings ^e	-	-	-	9,658.8	15,445.5	25,104.3
Stumps ^f	-	-	-	1,074.5	1,592.7	2,667.2
Tops - growing stock	-	-	-	18,159.8	21,864.1	40,023.9
Tops - rough and rotten	-	-	-	1,547.9	4,196.7	5,744.6
All non-growing stock	151.6	213.3	364.9	37,012.6	54,880.1	91,892.7
All classes	1,685.7	1,707.5	3,393.2	83,650.8	111,432.5	195,083.3

^aExcludes bark.

^bIncludes bark and sound cull; excludes rotten cull.

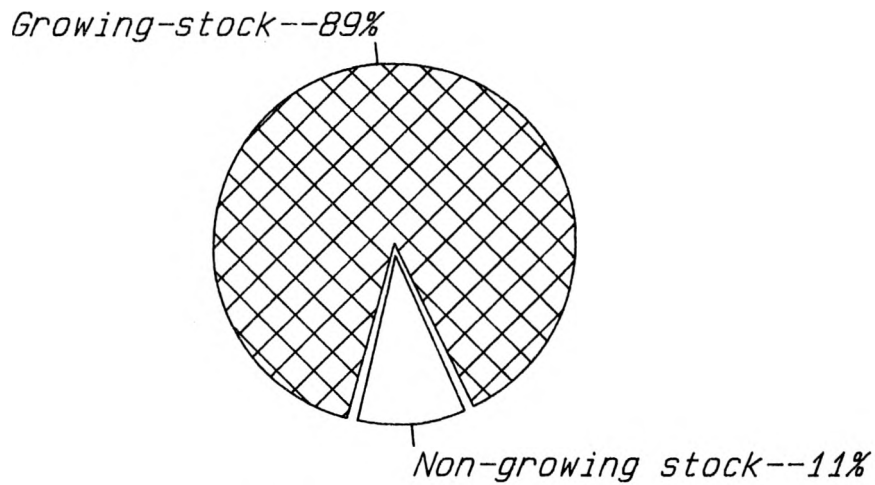
^cBole portion of trees 5.0 inches dbh and larger.

^dVolume of bole portion of trees 5.0 inches dbh and larger, and weight of entire tree aboveground.

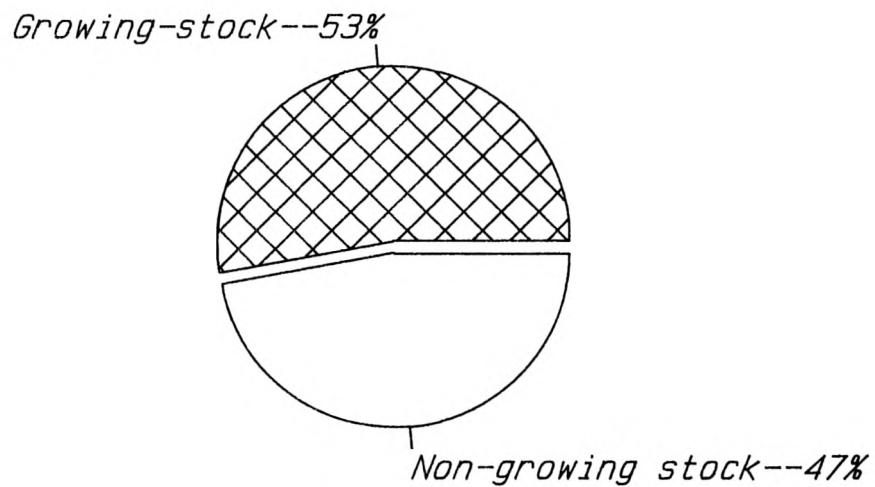
^eIncludes entire tree aboveground.

^fOf all salvable dead and all live trees 5.0 inches dbh and larger.

Proportion of Growing-stock Versus Non-growing Stock Material Western Maine 1982



**Net Cubic Foot
Volume**



**Net Green
Weight**

Table 88.--Net volume of growing-stock trees on timberland by species and diameter class,
Aroostook County, Maine, 1971

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	560.7	621.5	393.5	164.3	58.4	16.7	4.6	1.8	.0	.0	1,821.5
Tamarack	.7	7.1	7.5	10.2	3.4	1.2	.0	.0	.0	.0	30.1
White spruce	53.2	74.9	63.0	38.7	17.9	13.4	11.4	1.1	1.3	.0	274.9
Black spruce	14.6	17.6	8.8	.0	.0	.0	.0	.0	.0	.0	41.0
Red spruce	205.2	274.0	255.7	209.1	148.3	88.9	50.8	22.2	17.1	.0	1,271.3
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	1.3	4.2	2.1	3.7	8.2	3.8	9.5	5.0	15.0	1.4	54.2
Northern white-cedar	69.8	91.6	89.1	64.9	32.0	24.6	8.4	.4	2.7	.0	383.5
Hemlock	7.9	9.1	14.1	14.3	13.0	5.4	8.5	5.5	11.1	.0	88.9
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	913.4	1,100.0	833.8	505.2	281.2	154.0	93.2	36.0	47.2	1.4	3,965.4
Sugar maple	28.7	33.7	50.2	37.5	47.1	52.1	21.4	28.1	43.2	1.0	343.0
Red maple	27.9	41.1	32.9	38.0	32.6	25.8	6.3	5.2	3.0	.0	212.8
Yellow birch	12.7	29.6	25.5	26.7	21.7	14.0	7.6	8.0	5.7	.0	151.5
Paper birch	37.9	12.6	23.4	15.1	7.2	3.1	1.7	.0	2.1	.0	103.1
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	12.6	31.8	35.3	51.0	35.8	14.7	11.2	1.2	.4	.0	194.0
White ash	3.9	6.4	6.5	4.2	2.9	4.6	.0	1.1	.0	.0	29.6
Black ash	4.9	6.9	3.5	12.1	4.7	2.3	1.1	.0	.0	.0	35.5
Aspen	46.0	51.9	62.4	58.5	30.9	13.4	8.2	1.9	.0	.0	273.2
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Basswood	.2	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.2
Elm	.0	2.8	5.5	.8	2.0	.0	.0	.0	.0	.0	11.1
Other hardwoods	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
Total hardwoods	176.8	216.8	245.2	243.9	184.9	131.0	57.5	45.5	54.4	1.0	1,357.0
Total, all species	1,090.2	1,316.8	1,079.0	749.1	466.1	285.0	150.7	81.5	101.6	2.4	5,322.4

Table 89.--Net volume of growing-stock trees on timberland by species and diameter class,
Aroostook County, Maine, 1982

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	361.3	445.3	338.4	162.1	45.8	15.4	4.4	1.6	.0	.0	1,374.3
Tamarack	4.8	3.6	7.3	7.0	5.7	3.5	7.0	2.6	.7	.0	42.2
White spruce	43.7	67.7	61.2	46.7	20.6	10.0	.6	.0	3.2	.0	253.7
Black spruce	95.0	72.0	40.6	11.2	3.5	.0	.0	1.3	.0	.0	223.6
Red spruce	155.7	243.9	236.6	194.3	127.7	66.3	30.4	21.7	8.6	.0	1,085.2
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	3.7	3.2	1.6	6.7	6.2	6.7	4.1	5.3	12.5	7.2	57.2
Northern white-cedar	98.0	143.6	144.6	146.0	94.9	55.6	22.6	15.5	11.1	.0	731.9
Hemlock	6.1	10.7	11.5	17.3	8.8	11.5	4.7	5.8	9.8	.8	87.0
Other softwoods	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3
Total softwoods	768.3	990.3	841.8	591.3	313.2	169.0	73.8	53.8	45.9	8.0	3,855.4
Sugar maple	36.6	45.1	51.2	43.9	53.8	37.5	45.8	37.4	58.9	3.8	414.0
Red maple	33.2	42.1	33.0	25.0	22.0	11.7	7.1	5.9	.0	.0	180.0
Yellow birch	14.2	23.3	23.9	32.1	23.2	20.1	9.8	4.3	7.3	.0	158.2
Paper birch	39.0	44.0	29.8	11.5	3.5	4.1	1.1	.0	.0	.0	133.0
Gray birch	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
Beech	16.0	23.4	23.2	36.9	34.5	26.0	6.0	4.3	6.6	.0	176.9
White ash	1.2	2.6	4.1	2.2	.0	1.5	.0	.7	1.6	.0	13.9
Black ash	4.5	9.2	8.1	6.2	4.4	2.3	.6	1.9	1.5	.0	38.7
Aspen	47.7	87.9	94.1	70.5	36.4	20.3	6.9	2.0	3.5	3.5	372.8
White oak	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.0	.5	.6	.0	.0	.0	.0	.0	1.1
Basswood	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
Elm	.5	.5	.5	1.4	.5	.0	.0	.0	.6	.0	4.0
Other hardwoods	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7
Total hardwoods	193.2	278.1	267.9	230.9	178.9	123.5	77.3	56.5	80.0	7.3	1,493.6
Total, all species	961.5	1,268.4	1,109.7	822.2	492.1	292.5	151.1	110.3	125.9	15.3	5,349.0

Table 90.--Net volume of growing-stock trees on timberland by species and diameter class,
Capital Region, Maine, 1971

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	63.7	37.7	15.4	3.5	.0	.0	.0	.0	.0	.0	120.3
Tamarack	1.5	1.8	1.5	1.0	2.4	.0	.0	.0	.0	.0	8.2
White spruce	3.8	6.1	5.5	2.3	.0	1.7	.0	1.6	1.7	.0	22.7
Black spruce	9.6	6.3	.0	1.2	2.0	.0	.0	.0	.0	.0	19.1
Red spruce	19.5	26.3	14.6	12.9	6.7	1.1	.0	.0	.0	.0	81.1
Red pine	1.5	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	3.7
White pine	15.5	21.2	28.1	20.8	21.6	14.9	6.8	13.7	19.2	6.4	168.2
Northern white-cedar	14.8	14.4	7.4	5.0	.8	.0	.0	.0	.0	.0	42.4
Hemlock	14.3	17.0	20.4	22.4	12.0	12.5	.9	.9	.0	1.0	101.4
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	144.2	130.8	92.9	70.2	45.5	31.3	7.7	16.2	20.9	7.4	567.1
Sugar maple	4.7	17.8	9.5	3.6	3.2	2.4	3.4	.0	.0	.0	44.6
Red maple	32.1	45.9	26.0	16.5	12.3	2.6	3.9	2.3	.0	1.8	143.4
Yellow birch	2.5	2.1	4.4	3.8	3.4	4.4	.8	.0	1.5	.0	22.9
Paper birch	12.6	15.7	17.1	7.0	4.7	1.4	.0	.7	.0	.0	59.2
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	1.9	4.2	1.5	1.0	2.0	.0	.0	.0	.0	.0	10.6
White ash	5.3	7.5	3.4	4.9	2.5	.0	.0	.0	.0	.0	23.6
Black ash	3.4	1.9	1.7	1.1	.0	1.5	.0	.0	.0	.0	9.6
Aspen	8.9	14.3	5.9	5.4	2.1	.0	.0	.0	.0	.0	36.6
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	4.5	6.2	7.1	11.7	8.7	2.5	.6	1.7	.0	1.2	44.2
Basswood	9.2	6.4	5.3	4.8	2.1	.4	.0	.0	.0	.0	28.2
Elm	3.3	2.5	6.3	6.2	2.1	3.9	4.6	5.2	4.4	2.4	40.9
Other hardwoods	.5	2.9	.0	.6	.0	.0	.0	.0	.0	.0	4.0
Total hardwoods	88.9	127.4	88.2	66.6	43.1	19.1	13.3	9.9	5.9	5.4	467.8
Total, all species	233.1	258.2	181.1	136.8	88.6	50.4	21.0	26.1	26.8	12.8	1,034.9

Table 91.--Net volume of growing-stock trees on timberland by species and diameter class,
Capital Region, Maine, 1982

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	43.8	31.2	13.6	2.8	.7	.3	.0	.0	.0	.0	92.4
Tamarack	1.1	3.4	2.7	3.6	3.2	2.4	.8	.0	.0	.0	17.2
White spruce	3.5	2.9	2.9	3.4	1.9	.4	.0	.9	.0	.0	15.9
Black spruce	.2	.5	.2	.0	.0	.0	.0	.0	.0	.0	.9
Red spruce	27.9	33.6	34.9	27.6	22.4	12.4	4.6	1.2	2.8	.0	167.4
Red pine	.0	.0	.1	.4	.3	.4	.0	.0	.0	.0	1.2
White pine	15.6	26.0	33.9	42.5	37.7	24.9	22.8	17.7	33.0	16.0	270.1
Northern white-cedar	9.9	11.1	8.4	3.7	1.1	.3	.0	.0	.0	.0	34.5
Hemlock	12.2	18.7	27.3	23.1	24.4	15.0	6.3	3.0	4.1	.4	134.5
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	114.2	127.4	124.0	107.1	91.7	56.1	34.5	22.8	39.9	16.4	734.1
Sugar maple	6.4	10.1	8.5	3.1	1.5	.8	1.8	.0	.3	.0	32.5
Red maple	43.9	55.0	46.8	33.8	15.0	9.1	8.1	4.8	3.7	2.4	222.6
Yellow birch	3.2	5.3	5.1	2.8	1.4	1.6	.4	.0	.0	.0	19.8
Paper birch	22.3	27.0	18.6	10.8	3.6	1.5	.4	.0	.0	.0	84.2
Gray birch	5.0	2.3	.3	.2	.0	.3	.3	.0	.0	.0	8.4
Beech	5.1	9.8	4.7	4.3	1.0	.8	.7	.0	.0	.0	26.4
White ash	5.9	9.0	7.2	3.4	2.4	2.6	1.9	.0	1.0	.0	33.4
Black ash	.8	.3	.2	.0	.0	.0	.0	.0	.0	.0	1.3
Aspen	23.0	32.0	26.8	15.2	8.2	1.9	.3	.0	.0	.0	107.4
White oak	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5
Red oaks	12.4	21.4	21.1	22.0	12.4	10.9	5.2	3.2	5.8	.3	114.7
Basswood	.4	1.3	.4	.7	.6	.8	.5	.0	.0	.0	4.7
Elm	.4	.7	.2	.4	.2	.0	.0	.0	.0	.0	1.9
Other hardwoods	4.2	5.0	5.6	1.0	.8	1.2	.0	.0	.4	.0	18.2
Total hardwoods	133.2	179.5	145.5	97.7	47.1	31.5	19.6	8.0	11.2	2.7	676.0
Total, all species	247.4	306.9	269.5	204.8	138.8	87.6	54.1	30.8	51.1	19.1	1,410.1

Table 92.--Net volume of growing-stock trees on timberland by species and diameter class,
Casco Bay, Maine, 1971

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	9.2	3.2	2.8	2.5	.0	.0	.0	.0	.0	.0	17.7
Tamarack	3.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	4.5
White spruce	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Black spruce	2.8	2.3	.0	.0	.0	.0	.0	.0	.0	.0	5.1
Red spruce	6.6	24.7	18.4	4.1	1.9	1.6	.0	1.2	.0	.0	58.5
Red pine	1.7	1.1	.0	1.2	.0	.0	.0	.0	.0	.0	4.0
White pine	42.9	95.0	88.4	112.7	90.0	64.3	42.8	20.2	39.3	10.4	606.0
Northern white-cedar	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.0
Hemlock	30.1	48.0	46.3	25.1	29.3	24.3	10.8	3.2	2.1	.0	219.2
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	97.1	176.0	155.9	145.6	121.2	90.2	53.6	24.6	41.4	10.4	916.0
Sugar maple	2.7	4.8	.0	.0	.0	.0	2.0	.0	4.6	.0	14.1
Red maple	35.6	38.5	25.8	14.4	8.4	5.5	.9	.0	.0	1.9	131.0
Yellow birch	5.7	4.2	7.0	2.9	2.7	.0	1.1	.0	.0	.0	23.6
Paper birch	14.3	16.8	14.5	6.8	1.5	1.1	.0	.0	.0	1.3	56.3
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	8.3	16.2	6.6	1.2	1.7	3.1	.0	.0	1.0	.0	38.1
White ash	1.5	1.6	.7	1.5	.0	.0	.0	1.2	.0	1.4	7.9
Black ash	.0	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	2.1
Aspen	8.7	14.0	5.0	1.0	.0	.0	.0	.0	.0	.0	28.7
White oaks	.0	.0	.0	1.9	.0	1.1	.0	.0	.0	.9	3.9
Red oaks	15.8	28.0	23.4	28.3	18.6	13.1	8.5	2.9	4.9	.0	143.5
Basswood	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	1.3
Elm	.8	2.6	.0	.0	.0	2.2	.0	.0	.0	.0	5.6
Other hardwoods	4.5	3.8	2.0	1.1	.0	.0	.0	.0	.0	.0	11.4
Total hardwoods	97.9	131.5	86.1	60.4	32.9	26.1	12.5	4.1	10.5	5.5	467.5
Total, all species	195.0	307.5	242.0	206.0	154.1	116.3	66.1	28.7	51.9	15.9	1,383.5

Table 93.--Net volume of growing-stock trees on timberland by species and diameter class,
Casco Bay, Maine, 1982

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	12.3	13.0	10.5	2.9	.8	.0	.0	.0	.0	.0	39.5
Tamarack	.7	.0	.6	1.2	.6	.0	.0	.0	.0	.0	3.1
White spruce	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6
Black spruce	1.4	.0	.0	.3	.0	.0	.0	.0	.0	.0	1.7
Red spruce	3.8	6.4	8.6	4.8	3.8	1.4	.0	.0	.0	.0	28.8
Red pine	.8	1.4	3.7	4.2	1.9	.8	.0	.0	.0	.0	12.8
White pine	35.9	66.7	83.9	90.3	85.7	91.6	59.3	35.2	47.3	3.4	599.3
Northern white-cedar	1.4	1.1	1.1	.5	.0	.0	.0	.0	.0	.0	4.1
Hemlock	18.5	34.2	45.8	53.7	49.2	29.8	18.9	6.2	9.0	.0	265.3
Other softwoods	.4	1.9	1.9	2.3	3.2	1.1	.3	.0	.0	.0	11.1
Total softwoods	75.5	125.0	156.1	160.2	145.2	124.7	78.5	41.4	56.3	3.4	966.3
Sugar maple	3.5	3.8	2.0	1.8	3.1	1.3	.7	.0	.4	.0	16.6
Red maple	51.4	65.7	45.5	27.1	13.9	4.9	3.1	1.6	1.0	.0	214.2
Yellow birch	3.0	5.2	2.1	1.8	.4	.0	.0	.4	.0	.0	12.9
Paper birch	18.4	21.2	17.2	6.5	3.8	1.0	.4	.0	.7	.0	69.2
Gray birch	4.7	2.7	1.0	1.0	.0	.0	.0	.0	.0	.0	9.4
Beech	6.2	10.5	6.4	6.3	1.3	1.0	1.5	.4	.0	.0	33.6
White ash	8.2	7.0	4.2	2.2	.0	.8	1.0	1.3	.0	.0	24.7
Black ash	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5
Aspen	18.0	28.8	20.9	6.3	3.2	1.0	.0	.0	.4	.0	78.6
White oak	2.6	3.7	2.5	.9	1.3	2.0	.0	.7	.3	.0	14.0
Red oaks	29.6	48.8	31.1	31.1	26.0	11.4	9.8	5.9	4.6	.3	198.6
Basswood	.2	.1	.0	.0	.3	.0	.0	.0	.0	.0	.6
Elm	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.8
Other hardwoods	2.3	1.9	.6	1.4	.6	.6	.4	.0	.0	.0	7.8
Total hardwoods	148.6	200.2	133.5	86.4	53.9	24.0	16.9	10.3	7.4	.3	681.5
Total, all species	224.1	325.2	289.6	246.6	199.1	148.7	95.4	51.7	63.7	3.7	1,647.8

Table 94.--Net volume of growing-stock trees on timberland by species and diameter class,
Hancock County, Maine, 1971

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	54.6	25.5	8.1	1.8	.0	.0	.0	.0	.0	.0	90.0
Tamarack	.4	3.5	2.2	1.5	1.0	.0	.0	.0	.0	.0	8.6
White spruce	4.0	7.4	8.9	4.6	.9	1.1	.0	.0	.0	.0	26.9
Black spruce	2.2	2.2	.0	1.3	.0	.0	.0	.0	.0	.0	5.7
Red spruce	48.7	59.6	70.9	34.9	22.3	14.2	6.5	2.7	2.0	.0	261.8
Red pine	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	1.3
White pine	2.2	1.7	5.5	.0	4.1	7.3	.7	3.0	2.9	2.4	29.8
Northern white-cedar	16.7	32.8	22.2	9.4	5.0	.0	.0	.0	.0	.0	86.1
Hemlock	8.5	12.3	7.5	16.0	13.0	10.6	.9	.0	.7	.0	69.5
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	137.3	145.0	126.6	69.5	46.3	33.2	8.1	5.7	5.6	2.4	579.7
Sugar maple	2.3	3.1	3.1	2.9	.0	.0	.0	.0	1.0	1.5	13.9
Red maple	12.2	27.0	13.6	9.3	5.5	6.1	1.1	1.6	.5	.0	76.9
Yellow birch	1.0	1.4	.7	3.8	1.0	1.1	1.1	.7	.0	.0	10.8
Paper birch	15.0	13.3	8.2	4.5	.8	.0	.0	.0	.0	.0	41.8
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	2.3	3.7	2.4	1.5	.6	2.7	.7	.0	.0	.0	13.9
White ash	2.1	5.2	.6	2.2	1.4	1.2	.0	.0	1.5	.0	14.2
Black ash	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aspen	.8	7.7	3.3	2.7	.0	.0	.0	.0	.0	.0	14.5
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	6.1	2.2	1.5	.8	1.5	.0	.0	.0	.0	.0	12.1
Basswood	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	41.8	63.6	33.4	27.7	10.8	12.1	2.9	2.3	3.0	1.5	199.1
Total, all species	179.1	208.6	160.0	97.2	57.1	45.3	11.0	8.0	8.6	3.9	778.8

Table 95.--Net volume of growing-stock trees on timberland by species and diameter class,
Hancock County, Maine, 1982

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	46.4	24.7	11.3	4.1	.7	.0	.0	.0	.0	.0	87.2
Tamarack	.5	.4	3.0	.6	1.5	.0	1.3	.0	.0	.0	7.3
White spruce	2.1	2.2	1.2	1.3	1.8	.0	.0	.0	.0	.0	8.6
Black spruce	5.5	5.7	2.4	.7	1.7	.0	.0	.0	.0	.0	16.0
Red spruce	39.0	66.2	75.0	58.4	32.8	21.2	7.6	3.2	7.7	.0	311.1
Red pine	.0	.0	2.0	2.4	1.7	.0	1.0	.0	.0	.0	7.1
White pine	4.4	5.1	6.3	11.2	6.1	11.7	1.0	5.0	9.9	8.2	68.9
Northern white-cedar	10.0	18.3	17.4	13.5	3.5	7.5	.0	.0	.0	.0	70.2
Hemlock	9.1	9.4	19.8	15.7	6.1	8.0	1.8	5.9	8.9	.0	84.7
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	117.0	132.0	138.4	107.9	55.9	48.4	12.7	14.1	26.5	8.2	661.1
Sugar maple	1.9	.8	1.3	.7	1.2	1.8	1.1	.0	1.5	.0	10.3
Red maple	18.5	24.7	17.6	12.2	5.9	6.6	2.8	.0	.0	.0	88.3
Yellow birch	3.6	6.1	5.8	1.2	.8	1.0	.7	.0	.0	.0	19.2
Paper birch	20.5	23.1	14.5	5.6	1.5	.0	.0	.0	.0	.9	66.1
Gray birch	1.4	.5	.0	.7	.0	.0	.0	.0	.0	.0	2.6
Beech	1.7	.0	.9	1.1	.7	.0	.0	.0	.0	.0	4.4
White ash	1.9	.9	2.1	2.7	2.4	.0	1.1	.0	.0	.0	11.1
Black ash	1.1	.0	.7	1.4	.7	.0	.0	.0	.0	.0	3.9
Aspen	9.1	12.5	16.5	8.8	5.7	.0	.0	.0	.0	.0	52.6
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.2	.3	1.5	.0	.6	1.3	.8	.0	.0	.0	4.7
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	59.9	68.9	60.9	34.4	19.5	10.7	6.5	.0	1.5	.9	263.2
Total, all species	176.9	200.9	199.3	142.3	75.4	59.1	19.2	14.1	28.0	9.1	924.3

Table 96.--Net volume of growing-stock trees on timberland by species and diameter class,
Penobscot County, Maine, 1971

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	194.6	132.9	62.3	36.5	6.7	.7	.9	.0	.0	.0	434.6
Tamarack	3.8	2.9	1.7	1.0	.0	1.1	.0	.0	.0	.0	10.5
White spruce	10.9	10.0	9.0	6.6	.0	1.8	.0	.0	.0	.0	38.3
Black spruce	9.1	17.3	3.0	.0	1.1	.0	.0	.0	.0	.0	30.5
Red spruce	95.2	112.8	111.9	69.6	47.7	18.5	6.4	2.7	.0	.0	464.8
Red pine	.5	.6	1.2	.0	.0	.0	.0	.0	.0	.0	2.3
White pine	5.7	7.9	7.6	9.2	19.0	21.0	16.0	8.1	13.3	10.0	117.8
Northern white-cedar	43.3	56.1	40.2	25.1	7.4	2.3	.6	.0	.0	.0	175.0
Hemlock	35.8	49.3	43.1	48.3	36.2	25.5	12.4	8.7	11.5	.0	270.8
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	398.9	389.8	280.0	196.3	118.1	70.9	36.3	19.5	24.8	10.0	1,544.6
Sugar maple	12.7	18.2	14.8	8.2	10.0	8.5	14.9	10.4	14.4	2.7	114.8
Red maple	32.1	43.6	36.8	43.4	24.7	27.5	10.0	6.7	4.0	.0	228.8
Yellow birch	6.3	6.2	18.9	16.5	6.3	6.2	4.3	.0	1.7	.0	66.4
Paper birch	14.3	14.4	10.8	4.8	7.6	5.2	.9	.7	1.3	.0	60.0
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	12.9	14.8	15.6	11.7	11.7	4.6	.9	1.3	.0	.0	73.5
White ash	3.9	4.5	12.5	3.6	.0	2.6	2.4	.0	1.1	.0	30.6
Black ash	.5	3.9	1.7	3.0	6.2	6.1	1.0	.0	.0	.0	22.4
Aspen	18.3	16.9	12.0	5.2	6.1	1.2	.0	.0	.0	.0	59.7
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.5	.9	2.7	.0	.0	1.0	.9	.0	2.2	.0	8.2
Basswood	.6	.7	.0	2.9	.7	.0	.0	.0	1.6	.0	6.5
Elm	1.2	2.6	2.8	4.9	2.4	.0	.9	.7	.9	1.3	17.7
Other hardwoods	1.1	.0	.0	.0	.0	.0	.0	.0	.3	.0	1.4
Total hardwoods	104.4	126.7	128.6	104.2	75.7	62.9	36.2	19.8	27.5	4.0	690.0
Total, all species	503.3	516.5	408.6	300.5	193.8	133.8	72.5	39.3	52.3	14.0	2,234.6

Table 97.--Net volume of growing-stock trees on timberland by species and diameter class,
Penobscot County, Maine 1982

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	88.7	77.8	40.2	10.2	.7	.9	.0	.0	.0	.0	218.5
Tamarack	3.8	3.8	3.1	3.5	1.3	.0	.0	.0	.0	.0	15.5
White spruce	7.8	8.1	5.0	2.9	3.3	2.8	1.3	1.9	.0	.0	33.1
Black spruce	5.6	3.0	3.3	1.3	.7	.0	.0	.0	.0	.0	13.9
Red spruce	61.2	106.5	114.7	82.0	53.5	17.0	2.5	2.1	1.7	.0	441.2
Red pine	.7	.7	3.2	7.8	3.2	3.9	.0	.0	.0	.0	19.5
White pine	5.2	7.4	12.8	15.9	17.6	17.8	15.0	10.0	16.6	15.0	133.3
Northern white-cedar	54.7	75.5	53.3	35.6	22.0	5.4	1.3	.0	.0	.0	247.8
Hemlock	37.3	57.0	56.6	61.0	34.9	22.8	5.6	11.3	9.2	.0	295.7
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	265.0	339.8	292.2	220.2	137.2	70.6	25.7	25.3	27.5	15.0	1,418.5
Sugar maple	10.9	18.9	20.3	13.6	17.3	9.0	10.3	7.0	5.4	.0	112.7
Red maple	28.2	39.7	35.1	32.9	19.1	5.8	6.1	1.3	4.6	.0	172.8
Yellow birch	10.8	11.5	13.5	6.4	5.7	5.3	1.3	.8	2.2	.0	57.5
Paper birch	17.4	25.9	24.6	12.3	4.3	2.3	.0	.7	.7	.0	88.2
Gray birch	5.9	3.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9
Beech	21.2	24.0	13.6	13.4	10.5	2.2	.7	.0	.0	.0	85.6
White ash	4.3	4.8	8.4	7.5	4.1	1.9	.0	.0	1.7	.0	32.7
Black ash	3.6	2.7	1.7	3.7	2.4	.0	.0	2.4	.0	.0	16.5
Aspen	15.5	34.9	51.5	38.5	28.9	5.0	3.9	.0	.9	.0	179.1
White oak	.7	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.3
Red oaks	.2	.0	.5	.7	.0	2.0	.5	.0	.0	.0	3.9
Basswood	.5	1.4	.0	1.9	1.4	1.8	1.9	.0	.0	.0	8.9
Elm	.4	1.0	.0	.5	1.8	.7	3.6	.7	4.4	3.3	16.4
Other hardwoods	.7	.3	.8	.4	.5	.0	.0	.0	.0	.0	2.7
Total hardwoods	120.3	168.7	170.0	131.8	96.0	36.0	28.3	12.9	19.9	3.3	787.2
Total, all species	385.3	508.5	462.2	352.0	233.2	106.6	54.0	38.2	47.4	18.3	2,205.7

Table 98.--Net volume of growing-stock trees on timberland by species and diameter class,
Piscataquis County, Maine, 1971

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	335.8	293.2	153.5	49.5	10.8	1.1	.0	.0	.0	.0	843.9
Tamarack	.8	1.6	.0	1.2	.0	.0	.0	.0	.0	.0	3.6
White spruce	18.3	22.2	13.5	17.1	9.6	5.2	1.8	.0	3.3	.0	91.0
Black spruce	15.6	20.8	6.7	1.2	.0	1.4	.0	1.0	.0	.0	46.7
Red spruce	289.3	232.4	182.1	140.4	81.5	54.8	33.1	12.7	4.3	.0	1,030.6
Red pine	.0	.7	1.0	.0	.0	.0	.0	1.2	.0	.0	2.9
White pine	11.6	21.9	13.0	18.6	13.7	10.1	8.9	11.2	45.6	7.4	162.0
Northern white-cedar	28.6	56.2	50.3	42.9	25.4	15.4	10.3	1.3	7.4	1.6	239.4
Hemlock	12.8	11.7	11.7	14.0	6.6	4.8	8.6	3.0	7.9	.0	81.1
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	712.8	660.7	431.8	284.9	147.6	92.8	62.7	30.4	68.5	9.0	2,501.2
Sugar maple	23.0	20.2	33.0	30.5	42.7	28.5	35.0	22.8	34.2	.7	270.6
Red maple	34.9	41.3	32.5	17.0	21.6	8.3	6.6	.7	4.6	.0	167.5
Yellow birch	14.1	18.1	13.4	29.1	18.7	7.1	13.6	9.6	12.8	.0	136.5
Paper birch	19.6	24.9	21.3	15.6	6.5	3.4	4.4	1.9	.0	.0	97.6
Gray birch	.0	2.7	.9	.0	.0	.0	.0	.0	.0	.0	3.6
Beech	24.0	32.7	40.6	14.7	16.4	10.0	2.7	3.5	4.1	.0	148.7
White ash	3.6	5.3	6.8	5.9	.0	5.6	2.3	.0	.0	.0	29.5
Black ash	2.6	2.6	3.3	3.4	2.1	1.0	.0	.0	.0	.0	15.0
Aspen	13.0	11.8	12.3	5.2	2.4	.0	1.8	.0	.0	.0	46.5
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	1.5	.0	.0	.0	.9	.0	1.6	2.7	.6	.0	7.3
Basswood	.0	.0	.8	1.0	2.1	1.3	.0	2.0	.0	.0	7.2
Elm	.5	.8	2.4	3.3	1.9	1.1	1.7	1.7	3.2	.0	16.6
Other hardwoods	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8
Total hardwoods	136.8	160.4	167.3	126.5	115.3	66.3	69.7	44.9	59.5	.7	947.4
Total, all species	849.6	821.1	599.1	411.4	262.9	159.1	132.4	75.3	128.0	9.7	3,448.6

Table 99.--Net volume of growing-stock trees on timberland by species and diameter class,
Piscataquis County, Maine, 1982

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	183.0	248.5	157.4	61.4	15.9	4.1	.0	.0	.0	.0	670.3
Tamarack	4.0	1.3	3.6	2.2	.7	.0	.0	.0	.0	.0	11.8
White spruce	18.8	20.8	22.1	13.5	5.5	1.3	2.7	.8	.0	.0	85.5
Black spruce	16.9	15.1	17.4	14.4	12.1	3.8	1.2	.0	.0	.0	80.9
Red spruce	215.9	271.3	233.7	152.6	132.1	66.2	36.0	17.6	8.9	.0	1,134.3
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	7.5	7.7	13.5	14.4	7.0	14.8	16.1	7.6	40.8	25.9	155.3
Northern white-cedar	14.6	39.4	51.3	50.0	41.6	30.6	12.0	15.7	6.9	.0	262.1
Hemlock	9.0	13.4	14.7	11.4	6.2	6.3	2.2	4.2	1.2	.0	68.6
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	469.7	617.5	513.7	319.9	221.1	127.1	70.2	45.9	57.8	25.9	2,468.8
Sugar maple	11.5	24.9	30.5	36.6	30.2	19.1	26.2	18.7	25.2	.8	223.7
Red maple	31.9	48.5	48.1	42.3	19.7	16.2	10.9	4.0	1.8	5.6	229.0
Yellow birch	10.0	18.5	27.7	25.0	15.7	17.6	10.6	6.5	9.4	.6	141.6
Paper birch	22.5	22.0	22.1	13.6	7.2	5.4	1.5	.0	.6	.0	94.9
Gray birch	1.4	.4	.8	.0	.0	.0	.0	.0	.0	.0	2.6
Beech	13.4	16.9	18.5	20.5	14.1	5.9	2.9	.0	.0	.0	92.2
White ash	2.0	6.7	5.5	3.0	2.9	1.3	1.1	.9	.0	.0	23.4
Black ash	4.0	6.8	4.0	1.8	2.9	1.0	1.2	.0	.0	.0	21.7
Aspen	6.8	27.6	37.8	23.5	19.9	11.7	4.8	6.1	2.4	.0	140.6
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.0	.0	.8	.0	.7	1.9	2.0	.0	5.4
Basswood	.0	1.3	.9	1.9	1.0	.0	.0	.0	.0	.0	5.1
Elm	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.9
Other hardwoods	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	1.0
Total hardwoods	103.5	173.6	196.8	169.2	114.4	78.2	59.9	38.1	41.4	7.0	982.1
Total, all species	573.2	791.1	710.5	489.1	335.5	205.3	130.1	84.0	99.2	32.9	3,450.9

Table 100.--Net volume of growing-stock trees on timberland by species and diameter class, Somerset County, Maine, 1971

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	313.2	378.1	168.4	63.8	13.0	.8	1.0	.0	.0	.0	938.3
Tamarack	1.0	1.0	.8	1.0	.0	.0	.0	.0	.0	.0	3.8
White spruce	20.7	18.9	21.4	25.2	10.1	6.0	2.6	2.8	.0	.0	107.7
Black spruce	4.9	3.4	1.0	.0	1.2	.0	.0	.0	.0	.0	10.5
Red spruce	194.3	209.1	137.2	78.0	35.6	14.7	9.2	3.1	1.3	.0	682.5
Red pine	.7	.0	.0	.9	.0	.0	.0	.0	.0	.0	1.6
White pine	5.3	7.3	6.8	4.9	7.0	3.2	.0	3.1	10.2	4.0	51.8
Northern white-cedar	26.9	32.7	27.1	20.0	15.9	8.9	8.6	2.5	2.4	.0	145.0
Hemlock	11.6	15.6	17.9	8.3	10.0	5.1	5.0	2.2	1.5	.0	77.2
Other softwoods	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.6
Total softwoods	578.6	666.1	382.2	202.1	92.8	38.7	26.4	13.7	15.4	4.0	2,020.0
Sugar maple	22.9	25.0	28.5	52.0	35.3	32.9	21.2	18.1	29.5	.0	265.4
Red maple ^a	48.0	48.8	58.7	17.3	17.0	11.7	5.1	2.7	1.4	.0	210.7
Yellow birch	23.9	23.6	32.7	25.2	22.5	21.1	11.9	9.6	13.0	.0	183.5
Paper birch	34.1	42.1	33.0	16.0	13.0	2.6	5.4	1.1	.6	.0	147.9
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	9.2	15.2	15.9	12.6	9.2	10.4	1.7	2.3	.1	.0	76.6
White ash	4.2	5.2	4.6	2.2	1.0	.0	.0	.0	.0	.0	17.2
Black ash	3.3	1.5	1.1	2.0	.9	.0	.0	.0	.0	.0	8.8
Aspen	19.5	24.7	29.4	11.2	6.8	3.8	1.3	.0	.0	.0	96.7
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8
Basswood	1.2	3.3	2.1	3.5	2.0	1.6	.0	2.9	.0	.0	16.6
Elm	1.3	3.3	2.2	2.5	.0	.0	1.0	1.0	.0	.0	11.3
Other hardwoods	.9	.0	.0	.0	.0	.8	.0	.0	1.2	.0	2.9
Total hardwoods	168.5	192.7	209.0	144.5	107.7	84.9	47.6	37.7	45.8	.0	1,038.4
Total, all species	747.1	858.8	591.2	346.6	200.5	123.6	74.0	51.4	61.2	4.0	3,058.4

^aIncludes 1.4 million cubic feet of silver maple.

Table 101.--Net volume of growing-stock trees on timberland by species and diameter class,
Somerset County, Maine, 1982

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	190.2	299.5	207.7	77.6	32.2	12.6	.0	.0	.0	.0	819.8
Tamarack	1.3	.0	1.3	.7	.0	1.1	.0	.0	.0	.0	4.4
White spruce	21.3	17.1	15.1	7.5	4.8	2.9	.0	.0	.0	.0	68.7
Black spruce	26.8	20.6	9.7	2.1	1.7	.9	.0	.0	.0	.0	61.8
Red spruce	143.8	206.1	171.4	120.3	71.9	31.9	17.7	5.3	5.5	1.0	774.9
Red pine	.8	3.2	3.2	2.6	.0	.0	.8	.0	.0	.0	10.6
White pine	7.3	13.7	15.3	16.1	14.8	8.3	11.7	10.5	13.7	2.1	113.5
Northern white-cedar	12.5	42.0	48.1	43.9	36.5	19.0	9.1	3.1	4.0	.0	218.2
Hemlock	13.7	18.3	16.1	11.6	11.0	14.6	7.7	.8	8.7	.8	103.3
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	417.7	620.5	487.9	282.4	172.9	91.3	47.0	19.7	31.9	3.9	2,175.2
Sugar maple	21.9	43.3	47.8	55.5	42.5	31.6	20.9	18.0	27.5	4.4	313.4
Red maple	38.2	50.6	56.1	31.6	26.7	13.9	11.5	10.0	1.1	.0	239.7
Yellow birch	15.5	30.9	31.9	29.3	27.8	24.1	16.4	7.6	23.5	.8	207.8
Paper birch	50.1	52.3	40.2	30.9	13.1	4.8	2.2	.0	.9	.0	194.5
Gray birch	7.0	3.2	.8	.5	.7	.0	.0	.0	.0	.0	12.2
Beech	13.7	16.5	13.1	18.6	8.8	6.8	4.7	.0	2.1	.0	84.3
White ash	2.7	8.6	9.6	7.1	.9	.0	1.0	.0	.0	.0	29.9
Black ash	2.8	3.7	3.0	2.7	.8	.0	.0	.0	.0	.0	13.0
Aspen	23.0	33.0	26.8	20.6	13.7	6.6	5.4	5.9	.0	.0	135.0
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	1.1	.4	2.2	.0	.7	.0	.0	.0	2.5	.0	6.9
Basswood	.0	.0	.7	.6	.0	.0	.7	.0	.0	.0	2.0
Elm	.8	.0	1.4	.0	1.9	.0	.0	.0	.0	.0	4.1
Other hardwoods	1.0	1.5	.0	.7	.0	.0	.0	.0	.0	.0	3.2
Total hardwoods	177.8	244.0	233.6	198.1	137.6	87.8	62.8	41.5	57.6	5.2	1,246.0
Total, all species	595.5	864.5	721.5	480.5	310.5	179.1	109.8	61.2	89.5	9.1	3,421.2

Table 102.--Net volume of growing-stock trees on timberland by species and diameter class,
Washington County, Maine, 1971

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	118.3	97.5	24.5	9.5	2.2	.0	.0	.0	.0	.0	252.0
Tamarack	9.0	10.8	7.8	2.3	5.3	.0	.0	.0	.0	.0	35.2
White spruce	4.9	4.9	3.6	2.8	2.1	.7	.0	.0	.0	.0	19.0
Black spruce	13.9	12.4	1.6	.8	.0	1.1	.0	.0	.0	.0	29.8
Red spruce	112.5	137.6	106.0	70.1	37.9	11.4	6.3	1.9	.9	.0	484.6
Red pine	.0	.8	1.2	1.8	1.8	3.5	.0	1.1	.0	.0	10.2
White pine	1.3	3.6	5.8	9.8	8.5	7.3	8.7	8.9	7.3	1.5	62.7
Northern white-cedar	29.7	33.0	23.6	14.0	3.1	.5	1.4	.7	.0	.0	106.0
Hemlock	23.3	26.0	25.1	22.0	7.4	10.2	6.6	.7	1.0	.0	122.3
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	312.9	326.6	199.2	133.1	68.3	34.7	23.0	13.3	9.2	1.5	1,121.8
Sugar maple	5.4	1.2	2.6	2.5	2.6	3.5	.7	1.6	1.0	.0	21.1
Red maple	32.2	49.7	49.9	31.4	22.0	12.4	6.3	.0	.0	.0	203.9
Yellow birch	4.1	9.5	3.5	3.1	2.0	1.0	1.0	1.5	.0	.0	25.7
Paper birch	20.7	27.9	22.6	11.5	6.5	1.2	1.2	.0	.0	.0	91.6
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	3.3	5.3	2.7	1.0	1.5	.7	.0	.0	.0	.0	14.5
White ash	1.1	.0	1.5	1.7	1.8	3.2	.0	.0	2.2	.0	11.5
Black ash	1.5	.0	3.7	1.2	1.1	2.9	.0	.0	.0	.0	10.4
Aspen	9.4	21.8	16.0	9.6	3.1	.8	.0	.0	.0	.0	60.7
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	4.4	2.2	2.3	1.8	.0	.5	.0	1.3	.0	.0	12.5
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.5
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	82.1	118.1	104.8	63.8	40.6	26.2	9.2	4.4	3.2	.0	452.4
Total, all species	395.0	444.7	304.0	196.9	108.9	60.9	32.2	17.7	12.4	1.5	1,574.2

Table 103.--Net volume of growing-stock trees on timberland by species and diameter class, Washington County, Maine, 1982

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	58.4	45.9	27.2	6.2	.8	1.0	.0	.0	.0	.0	139.5
Tamarack	1.0	3.2	1.9	3.6	.0	1.1	.6	.0	.6	.0	12.0
White spruce	13.9	15.2	11.7	2.6	1.9	.0	.0	.0	.0	.0	45.3
Black spruce	15.4	5.8	3.5	2.1	.0	.0	.0	.0	.0	.0	26.8
Red spruce	66.9	99.2	89.4	71.0	39.1	19.8	14.3	2.2	4.2	.0	406.1
Red pine	.3	.0	.3	.5	3.0	.0	.0	.0	.0	.0	4.1
White pine	2.0	1.2	6.4	10.6	8.3	9.0	4.3	6.1	7.9	2.0	57.8
Northern white-cedar	23.1	24.8	28.8	18.1	11.5	1.9	.0	1.3	.0	.0	109.5
Hemlock	18.4	30.8	34.5	29.1	15.2	8.4	3.9	2.6	.8	.0	143.7
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	199.4	226.1	203.7	143.8	79.8	41.2	23.1	12.2	13.5	2.0	944.8
Sugar maple	4.1	5.2	2.8	4.2	1.2	.7	2.5	.0	7.9	.8	29.4
Red maple	25.2	36.8	23.3	23.2	18.5	3.5	.8	2.5	.9	.0	134.7
Yellow birch	4.8	5.9	5.9	3.6	2.6	1.2	1.0	.0	.7	.0	25.7
Paper birch	22.3	27.8	14.5	12.1	6.0	2.3	.0	.0	.0	.0	85.0
Gray birch	1.5	1.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6
Beech	3.9	4.7	2.0	3.4	3.2	3.4	.0	.0	.0	.0	20.6
White ash	.1	1.9	1.8	.5	.0	1.0	.0	.0	.0	.0	5.3
Black ash	1.6	2.7	1.9	1.1	.5	.7	.0	.0	.0	.0	8.5
Aspen	17.3	12.9	11.8	20.4	14.9	9.0	2.1	4.6	.0	.0	93.0
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.4	3.2	3.4	2.2	.0	.0	.0	.0	.0	.0	9.2
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	81.2	102.2	67.4	70.7	46.9	21.8	6.4	7.1	9.5	.8	414.0
Total, all species	280.6	328.3	271.1	214.5	126.7	63.0	29.5	19.3	23.0	2.8	1,358.8

Table 104.--Net volume of growing-stock trees on timberland by species and diameter class,
Western Maine, 1971

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	171.4	191.0	115.5	33.7	12.9	6.0	1.4	.0	.0	.0	531.9
Tamarack	.0	1.0	.0	.0	3.2	1.2	.0	.8	.0	.0	6.2
White spruce	16.4	19.1	15.2	14.5	1.1	2.5	.0	1.5	1.6	.0	71.9
Black spruce	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
Red spruce	91.2	101.0	73.3	32.4	24.8	10.3	12.4	1.3	2.7	.0	349.4
Red pine	.0	.0	.9	2.0	2.2	1.2	.0	.0	.0	.0	6.3
White pine	13.2	28.2	28.9	43.2	30.2	31.2	10.4	12.8	20.7	4.3	223.1
Northern white-cedar	5.2	13.5	9.3	4.7	.0	.9	.9	.8	.0	.0	35.3
Hemlock	16.5	17.5	22.4	25.3	18.1	12.7	2.6	.0	1.1	.0	116.2
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	314.1	371.3	265.5	155.8	92.5	66.0	27.7	17.2	26.1	4.3	1,340.5
Sugar maple	24.4	24.1	30.5	27.1	25.3	17.3	22.7	8.4	11.3	.0	191.1
Red maple	37.7	66.7	43.1	35.6	18.5	11.4	6.3	4.4	6.5	.0	230.2
Yellow birch	29.3	21.6	32.8	45.2	32.8	18.1	17.0	6.8	12.8	3.2	219.6
Paper birch	45.6	46.7	56.9	17.5	16.9	5.9	5.7	1.9	1.0	.0	198.1
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	24.7	24.9	24.3	16.5	6.1	6.2	.0	.0	.0	.0	102.7
White ash	1.4	9.5	5.0	2.4	4.6	2.1	1.4	1.1	.0	.0	27.5
Black ash	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	3.1
Aspen	16.0	46.1	28.9	21.6	7.9	4.6	6.2	.0	.0	.0	131.3
White oaks	1.8	.0	.0	.0	.0	.0	.9	.0	.0	.0	2.7
Red oaks	2.9	12.6	14.8	8.5	12.3	2.8	5.3	6.7	6.6	.0	72.5
Basswood	.6	.0	.0	2.1	.0	1.2	.0	1.7	1.1	.0	6.7
Elm	.5	.5	.0	.0	.8	.0	.0	.0	.0	.0	1.8
Other hardwoods	.6	.9	.0	1.5	.7	.0	.0	.0	.0	.0	3.7
Total hardwoods	185.5	253.6	236.3	178.0	129.0	69.6	65.5	31.0	39.3	3.2	1,191.0
Total, all species	499.6	624.9	501.8	333.8	221.5	135.6	93.2	48.2	65.4	7.5	2,531.5

Table 105.--Net volume of growing-stock trees on timberland by species and diameter class,
Western Maine, 1982

(In millions of cubic feet)

Species	Diameter class (inches at breast height)										All classes
	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	138.6	181.2	137.2	89.0	36.9	6.4	1.0	.0	.0	.0	590.3
Tamarack	.2	.0	1.4	.0	.0	.0	.0	.0	.0	.0	1.6
White spruce	6.1	15.6	11.5	5.1	4.0	1.9	.0	.0	.0	.0	44.2
Black spruce	2.3	8.9	10.0	.8	3.9	.0	.0	.0	.0	.0	25.9
Red spruce	77.5	113.8	94.3	64.8	32.2	20.0	13.6	3.3	3.2	1.1	423.8
Red pine	.9	1.1	.9	1.4	2.7	4.1	1.0	1.0	.0	.0	13.1
White pine	21.3	37.5	45.7	39.4	48.4	29.8	30.5	10.5	9.9	7.2	280.2
Northern white-cedar	3.2	3.5	2.5	3.1	3.0	1.8	3.0	.7	2.1	.0	22.9
Hemlock	15.3	24.0	23.2	26.9	22.4	16.0	1.7	2.4	.0	.0	131.9
Other softwoods	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
Total softwoods	265.6	385.6	326.7	230.5	153.5	80.0	50.8	17.9	15.2	8.3	1,534.1
Sugar maple	18.7	34.4	31.1	30.4	15.9	9.3	4.3	6.2	6.1	.0	156.4
Red maple	57.4	76.4	73.1	51.2	22.6	10.3	10.0	4.6	8.1	.0	313.7
Yellow birch	16.5	35.0	52.9	51.7	34.7	29.3	14.1	14.3	28.3	1.3	278.1
Paper birch	54.2	102.7	76.9	44.0	16.7	12.3	7.1	1.8	.0	.0	315.7
Gray birch	5.7	4.2	2.9	1.2	1.0	.8	.0	.0	.0	.0	15.8
Beech	17.9	25.7	28.5	15.2	9.5	6.1	2.8	.0	.0	.0	105.7
White ash	6.8	16.0	15.1	10.6	8.3	2.9	3.3	2.7	4.0	.0	69.7
Black ash	1.5	1.8	.8	.7	.0	.0	.0	.0	.0	.0	4.8
Aspen	28.1	52.6	44.9	28.1	8.6	4.7	1.0	.0	.0	.0	168.0
White oaks	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.1
Red oaks	8.0	10.3	9.7	8.8	7.7	4.5	.8	1.5	.8	1.1	53.2
Basswood	.6	.0	.9	.6	.0	.0	.0	1.6	.0	.0	3.7
Elm	1.2	1.0	.0	.0	.6	1.1	.0	.0	.0	.0	3.9
Other hardwoods	1.8	1.6	1.0	.0	.0	.0	.0	.0	.0	.0	4.4
Total hardwoods	218.9	362.3	337.8	242.5	125.6	81.3	43.4	32.7	47.3	2.4	1,494.2
Total, all species	484.5	747.9	664.5	473.0	279.1	161.3	94.2	50.6	62.5	10.7	3,028.3

Table 106.--Net volume of sawtimber trees on timberland by species and diameter class, Aroostook County, Maine, 1971

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	1,340.2	649.2	244.4	64.4	21.5	8.6	.0	.0	2,328.3
Tamarack	21.9	34.3	14.2	5.4	.0	.0	.0	.0	75.8
White spruce	217.0	149.4	74.4	60.4	49.2	3.9	7.7	.0	562.0
Black spruce	26.7	.0	.0	.0	.0	.0	.0	.0	26.7
Red spruce	871.0	812.2	613.9	378.8	218.9	89.5	64.0	.0	3,048.3
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	8.0	16.8	35.9	17.6	42.2	26.0	77.0	7.4	230.9
Northern white-cedar	221.9	182.9	93.4	76.2	23.9	1.4	7.5	.0	607.2
Hemlock	44.8	47.5	49.6	21.1	30.6	23.4	41.9	.0	258.9
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	2,751.5	1,892.3	1,125.8	623.9	386.3	152.8	198.1	7.4	7,138.1
Sugar maple	.0	148.3	200.7	227.7	95.7	127.9	213.0	5.4	1,018.7
Red maple	.0	144.7	127.6	114.6	30.2	22.9	13.0	.0	453.0
Yellow birch	.0	107.5	97.9	61.2	33.4	38.0	27.8	.0	365.8
Paper birch	.0	63.5	30.9	15.4	7.6	.0	10.1	.0	127.5
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	203.1	154.8	69.1	50.5	5.0	2.0	.0	484.5
White ash	.0	16.3	12.9	22.8	.0	5.0	.0	.0	57.0
Black ash	.0	44.1	20.6	9.3	5.6	.0	.0	.0	79.6
Aspen	.0	228.9	126.3	64.1	36.9	7.2	.0	.0	463.4
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Basswood	.0	.0	.0	3.2	.0	.0	.0	.0	3.2
Elm	.0	3.4	8.3	.0	.0	.0	.0	.0	11.7
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	.0	959.8	780.0	587.4	259.9	206.0	265.9	5.4	3,064.4
Total, all species	2,751.5	2,852.1	1,905.8	1,211.3	646.2	358.8	464.0	12.8	10,202.5

^aInternational 1/4-inch rule.

Table 107.--Net volume of sawtimber trees on timberland by species and diameter class, Aroostook County, Maine, 1982

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	1,196.8	669.5	206.7	72.3	21.3	7.4	.0	.0	2,174.0
Tamarack	24.1	26.3	22.5	13.1	28.8	9.9	2.8	.0	127.5
White spruce	216.3	194.0	89.0	47.9	3.0	.0	17.4	.0	567.6
Black spruce	138.0	46.5	16.7	.0	.0	6.8	.0	.0	208.0
Red spruce	843.9	819.6	588.6	318.8	155.9	110.3	42.9	.0	2,880.0
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	5.1	26.1	25.1	30.2	18.7	23.6	61.7	38.3	228.8
Northern white-cedar	375.1	453.2	319.6	192.2	83.0	57.0	41.0	.0	1,521.1
Hemlock	36.1	62.3	33.7	46.8	20.2	25.7	45.6	4.3	274.7
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	2,835.4	2,297.5	1,301.9	721.3	330.9	240.7	211.4	42.6	7,981.7
Sugar maple	.0	160.7	218.8	163.1	202.7	179.1	272.3	17.1	1,213.8
Red maple	.0	93.1	84.6	50.7	32.5	24.9	.0	.0	285.8
Yellow birch	.0	126.5	95.7	83.6	43.3	18.4	30.4	.0	397.9
Paper birch	.0	45.3	14.5	14.8	4.7	.0	.0	.0	79.3
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	143.5	147.3	116.0	28.0	19.1	24.6	.0	478.5
White ash	.0	8.7	.0	6.7	.0	3.8	8.3	.0	27.5
Black ash	.0	25.4	18.3	9.3	2.8	9.0	5.8	.0	70.6
Aspen	.0	288.1	154.8	87.9	32.6	10.3	16.4	15.8	605.9
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	1.6	1.5	.0	.0	.0	.0	.0	3.1
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	4.2	2.2	.0	.0	.0	2.7	.0	9.1
Other hardwoods	.0	3.1	.0	.0	.0	.0	.0	.0	3.1
Total hardwoods	.0	900.2	737.7	532.1	346.6	264.6	360.5	32.9	3,174.6
Total, all species	2,835.4	3,197.7	2,039.6	1,253.4	677.5	505.3	571.9	75.5	11,156.3

^aInternational 1/4-inch rule.

Table 108.--Net volume of sawtimber trees on timberland by species and diameter class, Capital Region, Maine, 1971

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	58.4	15.4	.0	.0	.0	.0	.0	.0	73.8
Tamarack	5.4	4.3	9.8	.0	.0	.0	.0	.0	19.5
White spruce	18.9	10.0	.0	8.7	.0	9.2	10.0	.0	56.8
Black spruce	.0	3.6	8.0	.0	.0	.0	.0	.0	11.6
Red spruce	53.5	55.6	31.4	3.4	.0	.0	.0	.0	143.9
Red pine	.0	5.4	.0	5.6	.0	.0	.0	.0	11.0
White pine	88.6	86.7	92.4	70.2	32.6	64.4	99.7	32.7	567.3
Northern white-cedar	20.7	16.9	1.6	.0	.0	.0	.0	.0	39.2
Hemlock	65.6	87.2	51.2	51.7	2.2	2.3	.0	4.6	264.8
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	311.1	285.1	194.4	139.6	34.8	75.9	109.7	37.3	1,187.9
Sugar maple	.0	15.0	14.6	11.3	17.6	.0	.0	.0	58.5
Red maple	.0	66.1	49.9	10.5	16.1	9.0	.0	8.3	159.9
Yellow birch	.0	19.7	14.6	20.4	3.9	.0	8.5	.0	67.1
Paper birch	.0	32.1	23.8	5.6	.0	2.4	.0	.0	63.9
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	3.9	11.4	.0	.0	.0	.0	.0	15.3
White ash	.0	19.3	10.2	.0	.0	.0	.0	.0	29.5
Black ash	.0	4.0	.0	5.4	.0	.0	.0	.0	9.4
Aspen	.0	24.5	10.6	.0	.0	.0	.0	.0	35.1
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	42.0	35.5	11.1	3.2	6.1	.0	4.0	101.9
Basswood	.0	19.4	8.6	2.2	.0	.0	.0	.0	30.2
Elm	.0	27.8	8.2	16.4	22.5	24.6	20.9	8.3	128.7
Other hardwoods	.0	2.4	.0	.0	.0	.0	.0	.0	2.4
Total hardwoods	.0	276.2	187.4	82.9	63.3	42.1	29.4	20.6	701.9
Total, all species	311.1	561.3	381.8	222.5	98.1	118.0	139.1	57.9	1,889.8

^aInternational 1/4-inch rule.

Table 109.--Net volume of sawtimber trees on timberland by species and diameter class, Capital Region, Maine, 1982

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	47.1	12.8	3.4	1.2	.0	.0	.0	.0	64.5
Tamarack	8.9	13.7	13.8	10.1	3.4	.0	.0	.0	49.9
White spruce	10.6	15.3	8.3	2.0	.0	5.0	.0	.0	41.2
Black spruce	.8	.0	.0	.0	.0	.0	.0	.0	.8
Red spruce	128.9	122.4	108.8	59.2	24.0	6.0	12.8	.0	462.1
Red pine	.3	1.4	1.4	1.8	.0	.0	.0	.0	4.9
White pine	110.6	169.2	165.5	113.5	109.4	88.9	167.0	76.0	1,000.1
Northern white-cedar	21.7	12.2	4.0	1.2	.0	.0	.0	.0	39.1
Hemlock	91.9	88.4	102.8	66.9	29.5	13.3	20.0	2.3	415.1
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	420.8	435.4	408.0	255.9	166.3	113.2	199.8	78.3	2,077.7
Sugar maple	.0	11.0	5.8	3.8	8.2	.0	1.6	.0	30.4
Red maple	.0	124.2	57.7	37.7	34.5	20.0	16.4	11.3	301.8
Yellow birch	.0	11.5	5.6	7.2	1.5	.0	.0	.0	25.8
Paper birch	.0	42.8	14.4	6.2	1.7	.0	.0	.0	65.1
Gray birch	.0	.6	.0	1.3	1.4	.0	.0	.0	3.3
Beech	.0	17.8	4.6	3.7	3.2	.0	.0	.0	29.3
White ash	.0	14.2	10.1	12.4	9.3	.0	5.4	.0	51.4
Black ash	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aspen	.0	60.5	36.1	8.4	1.5	.0	.0	.0	106.5
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	79.2	49.4	46.4	23.1	15.0	28.1	1.6	242.8
Basswood	.0	3.2	2.2	3.6	2.6	.0	.0	.0	11.6
Elm	.0	1.3	.8	.0	.0	.0	.0	.0	2.1
Other hardwoods	.0	4.3	3.5	5.2	.0	.0	2.3	.0	15.3
Total hardwoods	.0	370.6	190.2	135.9	87.0	35.0	53.8	12.9	885.4
Total, all species	420.8	806.0	598.2	391.8	253.3	148.2	253.6	91.2	2,963.1

^aInternational 1/4-inch rule.

Table 110.--Net volume of sawtimber trees on timberland by species and diameter class,
Casco Bay, Maine, 1971

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	9.6	13.2	.0	.0	.0	.0	.0	.0	22.8
Tamarack	.0	.0	.0	.0	.0	.0	.0	.0	.0
White spruce	.0	.0	.0	.0	.0	.0	.0	.0	.0
Black spruce	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red spruce	62.9	17.6	9.1	7.5	.0	4.0	.0	.0	101.1
Red pine	.0	5.2	.0	.0	.0	.0	.0	.0	5.2
White pine	296.5	458.1	407.9	302.7	201.1	97.7	191.0	46.1	2,001.1
Northern white-cedar	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hemlock	144.5	94.7	125.4	104.4	45.0	15.5	7.5	.0	537.0
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	513.5	588.8	542.4	414.6	246.1	117.2	198.5	46.1	2,667.2
Sugar maple	.0	.0	.0	.0	8.5	.0	21.5	.0	30.0
Red maple	.0	40.8	34.0	23.5	3.3	.0	.0	6.8	108.4
Yellow birch	.0	11.5	10.4	.0	4.3	.0	.0	.0	26.2
Paper birch	.0	24.7	9.9	5.0	.0	.0	.0	4.6	44.2
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	6.0	9.5	13.9	.0	.0	4.1	.0	33.5
White ash	.0	7.7	.0	.0	.0	6.3	.0	6.5	20.5
Black ash	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aspen	.0	5.0	.0	.0	.0	.0	.0	.0	5.0
White oaks	.0	5.9	.0	4.5	.0	.0	.0	4.2	14.6
Red oaks	.0	109.1	74.5	57.5	38.9	15.1	24.4	.0	319.5
Basswood	.0	5.0	.0	.0	.0	.0	.0	.0	5.0
Elm	.0	.0	.0	9.8	.0	.0	.0	.0	9.8
Other hardwoods	.0	2.8	.0	.0	.0	.0	.0	.0	2.8
Total hardwoods	.0	218.5	138.3	114.2	55.0	21.4	50.0	22.1	619.5
Total, all species	513.5	807.3	680.7	528.8	301.1	138.6	248.5	68.2	3,286.7

^aInternational 1/4-inch rule.

Table 111.--Net volume of sawtimber trees on timberland by species and diameter class,
Casco Bay, Maine, 1982

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	41.2	13.1	3.7	.0	.0	.0	.0	.0	58.0
Tamarack	2.2	4.5	2.6	.0	.0	.0	.0	.0	9.3
White spruce	.0	.0	.0	.0	.0	.0	.0	.0	.0
Black spruce	.0	.8	.0	.0	.0	.0	.0	.0	.8
Red spruce	33.8	22.6	18.0	7.2	.0	.0	.0	.0	81.6
Red pine	13.1	17.1	7.9	3.9	.0	.0	.0	.0	42.0
White pine	298.5	382.5	391.6	440.1	294.6	172.0	249.5	17.9	2,246.7
Northern white-cedar	4.2	2.1	.0	.0	.0	.0	.0	.0	6.3
Hemlock	154.7	212.3	208.3	133.5	88.4	26.5	44.4	.0	868.1
Other softwoods	5.6	8.4	12.9	4.3	1.3	.0	.0	.0	32.5
Total softwoods	553.3	663.4	645.0	589.0	384.3	198.5	293.9	17.9	3,345.3
Sugar maple	.0	6.2	13.6	6.2	3.1	.0	2.1	.0	31.2
Red maple	.0	99.5	54.2	17.4	13.3	6.8	5.0	.0	196.2
Yellow birch	.0	6.4	1.8	.0	.0	1.4	.0	.0	9.6
Paper birch	.0	26.4	15.1	4.9	.8	.0	3.6	.0	50.8
Gray birch	.0	4.3	.0	.0	.0	.0	.0	.0	4.3
Beech	.0	26.7	6.1	5.1	5.7	1.8	.0	.0	45.4
White ash	.0	9.1	.0	4.4	4.1	5.9	.0	.0	23.5
Black ash	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aspen	.0	27.6	14.6	5.3	.0	.0	1.9	.0	49.4
White oaks	.0	3.6	5.4	9.5	.0	3.4	1.3	.0	23.2
Red oaks	.0	120.7	105.3	50.5	43.9	27.7	24.2	1.9	374.2
Basswood	.0	.0	.9	.0	.0	.0	.0	.0	.9
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	5.3	2.4	3.0	2.0	.0	.0	.0	12.7
Total hardwoods	.0	335.8	219.4	106.3	72.9	47.0	38.1	1.9	821.4
Total, all species	553.3	999.2	864.4	695.3	457.2	245.5	332.0	19.8	4,166.7

^aInternational 1/4-inch rule.

Table 112.--Net volume of sawtimber trees on timberland by species and diameter class,
Hancock County, Maine, 1971

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	26.1	6.3	.0	.0	.0	.0	.0	.0	32.4
Tamarack	6.5	5.5	3.4	.0	.0	.0	.0	.0	15.4
White spruce	27.5	17.1	3.9	5.0	.0	.0	.0	.0	53.5
Black spruce	.0	6.1	.0	.0	.0	.0	.0	.0	6.1
Red spruce	222.1	137.9	92.1	63.4	27.4	14.4	7.4	.0	564.7
Red pine	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
White pine	18.4	.0	18.0	32.0	4.0	13.8	14.7	10.0	110.9
Northern white-cedar	53.2	28.2	16.1	.0	.0	.0	.0	.0	97.5
Hemlock	21.1	56.1	43.6	36.2	3.3	.0	1.6	.0	161.9
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	379.2	257.2	177.1	136.6	34.7	28.2	23.7	10.0	1,046.7
Sugar maple	.0	8.8	.0	.0	.0	.0	4.4	8.0	21.2
Red maple	.0	35.2	19.5	25.2	4.3	9.0	2.6	.0	95.8
Yellow birch	.0	15.8	4.4	4.4	5.6	3.2	.0	.0	33.4
Paper birch	.0	16.9	3.8	.0	.0	.0	.0	.0	20.7
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	6.0	2.7	12.4	2.4	.0	.0	.0	23.5
White ash	.0	7.9	5.3	4.9	.0	.0	5.8	.0	23.9
Black ash	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aspen	.0	9.5	.0	.0	.0	.0	.0	.0	9.5
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	3.2	6.2	.0	.0	.0	.0	.0	9.4
Basswood	.0	.0	.0	3.7	.0	.0	.0	.0	3.7
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	.0	103.3	41.9	50.6	12.3	12.2	12.8	8.0	241.1
Total, all species	379.2	360.5	219.0	187.2	47.0	40.4	36.5	18.0	1,287.8

^aInternational 1/4-inch rule.

Table 113.--Net volume of sawtimber trees on timberland by species and diameter class, Hancock County, Maine, 1982

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	34.4	16.2	3.4	.0	.0	.0	.0	.0	54.0
Tamarack	8.5	1.9	5.6	.0	4.3	.0	.0	.0	20.3
White spruce	3.9	4.8	7.6	.0	.0	.0	.0	.0	16.3
Black spruce	7.6	2.7	7.3	.0	.0	.0	.0	.0	17.6
Red spruce	240.3	230.0	138.5	90.1	31.4	15.8	34.1	.0	780.2
Red pine	5.7	9.3	7.2	.0	5.0	.0	.0	.0	27.2
White pine	20.0	41.3	24.4	50.6	5.1	24.4	52.5	44.6	262.9
Northern white-cedar	45.3	41.9	12.4	25.7	.0	.0	.0	.0	125.3
Hemlock	57.1	53.9	23.2	30.9	8.1	26.5	40.4	.0	240.1
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	422.8	402.0	229.6	197.3	53.9	66.7	127.0	44.6	1,543.9
Sugar maple	.0	2.5	4.7	7.9	4.0	.0	5.9	.0	25.0
Red maple	.0	40.2	21.3	26.5	10.1	.0	.0	.0	98.1
Yellow birch	.0	4.4	2.7	4.6	3.0	.0	.0	.0	14.7
Paper birch	.0	19.3	5.0	.0	.0	.0	.0	4.1	28.4
Gray birch	.0	2.6	.0	.0	.0	.0	.0	.0	2.6
Beech	.0	3.5	2.4	.0	.0	.0	.0	.0	5.9
White ash	.0	10.9	10.3	.0	5.0	.0	.0	.0	26.2
Black ash	.0	5.1	2.7	.0	.0	.0	.0	.0	7.8
Aspen	.0	35.2	22.0	.0	.0	.0	.0	.0	57.2
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	3.2	5.4	3.3	.0	.0	.0	11.9
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	.0	123.7	74.3	44.4	25.4	.0	5.9	4.1	277.8
Total, all species	422.8	525.7	303.9	241.7	79.3	66.7	132.9	48.7	1,821.7

^aInternational 1/4-inch rule.

Table 114.--Net volume of sawtimber trees on timberland by species and diameter class, Penobscot County, Maine, 1971

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	210.6	136.1	26.7	3.4	3.2	.0	.0	.0	380.0
Tamarack	5.6	3.4	.0	4.1	.0	.0	.0	.0	13.1
White spruce	28.8	23.2	.0	8.0	.0	.0	.0	.0	60.0
Black spruce	9.8	.0	2.5	.0	.0	.0	.0	.0	12.3
Red spruce	370.4	263.5	184.0	76.5	24.6	8.8	.0	.0	927.8
Red pine	3.3	.0	.0	.0	.0	.0	.0	.0	3.3
White pine	23.3	36.6	79.6	91.1	74.5	38.5	59.2	52.6	455.4
Northern white-cedar	93.4	68.0	22.3	7.8	1.9	.0	.0	.0	193.4
Hemlock	115.1	142.3	110.9	81.3	44.3	26.8	41.6	.0	562.3
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	860.3	673.1	426.0	272.2	148.5	74.1	100.8	52.6	2,607.6
Sugar maple	.0	31.3	41.9	35.7	66.7	46.6	63.2	13.6	299.0
Red maple	.0	152.6	93.3	109.3	39.9	27.1	17.1	.0	439.3
Yellow birch	.0	64.4	24.6	27.9	15.5	.0	6.2	.0	138.6
Paper birch	.0	18.7	28.6	23.9	2.6	4.1	3.7	.0	81.6
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	42.7	44.9	18.9	4.2	4.3	.0	.0	115.0
White ash	.0	9.8	.0	10.0	11.0	.0	4.8	.0	35.6
Black ash	.0	11.5	23.7	22.7	3.9	.0	.0	.0	61.8
Aspen	.0	19.4	21.7	4.0	.0	.0	.0	.0	45.1
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.0	3.1	3.6	.0	12.2	.0	18.9
Basswood	.0	10.1	3.0	.0	.0	.0	9.2	.0	22.3
Elm	.0	18.0	8.6	.0	3.8	2.1	4.3	6.1	42.9
Other hardwoods	.0	.0	.0	.0	.0	.0	2.5	.0	2.5
Total hardwoods	.0	378.5	290.3	255.5	151.2	84.2	123.2	19.7	1,302.6
Total, all species	860.3	1,051.6	716.3	527.7	299.7	158.3	224.0	72.3	3,910.2

^aInternational 1/4-inch rule.

Table 115.--Net volume of sawtimber trees on timberland by species and diameter class, Penobscot County, Maine, 1982

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	135.1	44.7	2.8	3.9	.0	.0	.0	.0	186.5
Tamarack	9.6	13.1	4.0	.0	.0	.0	.0	.0	26.7
White spruce	16.9	13.0	15.5	13.8	2.9	7.8	.0	.0	69.9
Black spruce	11.2	5.4	3.2	.0	.0	.0	.0	.0	19.8
Red spruce	411.2	348.1	247.3	84.1	13.5	10.5	9.4	.0	1,124.1
Red pine	10.1	31.3	14.5	16.6	.0	.0	.0	.0	72.5
White pine	39.9	62.8	77.3	81.8	68.5	52.2	83.3	80.6	546.4
Northern white-cedar	137.3	111.4	75.8	20.1	3.6	.0	.0	.0	348.2
Hemlock	178.4	231.1	141.2	94.1	23.8	46.9	35.6	.0	751.1
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	949.7	860.9	581.6	314.4	112.3	117.4	128.3	80.6	3,145.2
Sugar maple	.0	56.6	77.6	38.2	48.4	31.9	31.4	.0	284.1
Red maple	.0	134.7	81.3	26.4	26.1	7.2	23.3	.0	299.0
Yellow birch	.0	27.5	23.4	24.8	5.4	3.3	10.4	.0	94.8
Paper birch	.0	48.9	20.5	10.4	.0	3.2	3.6	.0	86.6
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	59.7	47.5	11.3	3.4	.0	.0	.0	121.9
White ash	.0	30.7	17.5	8.5	.0	.0	9.0	.0	65.7
Black ash	.0	14.5	9.5	.0	.0	9.9	.0	.0	33.9
Aspen	.0	162.3	127.6	24.6	16.7	.0	5.4	.0	336.6
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	2.8	.0	6.7	2.1	.0	.0	.0	11.6
Basswood	.0	6.5	6.8	9.4	8.8	.0	.0	.0	31.5
Elm	.0	2.0	8.2	2.7	16.8	4.0	25.2	18.0	76.9
Other hardwoods	.0	1.3	2.9	.0	.0	.0	.0	.0	4.2
Total hardwoods	.0	547.5	422.8	163.0	127.7	59.5	108.3	18.0	1,446.8
Total, all species	949.7	1,408.4	1,004.4	477.4	240.0	176.9	236.6	98.6	4,592.0

^aInternational 1/4-inch rule.

Table 116.--Net volume of sawtimber trees on timberland by species and diameter class, Piscataquis County, Maine, 1971

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	500.7	186.6	41.1	5.7	.0	.0	.0	.0	734.1
Tamarack	.0	4.6	.0	.0	.0	.0	.0	.0	4.6
White spruce	44.3	70.6	35.9	22.7	9.0	.0	15.1	.0	197.6
Black spruce	22.3	3.7	.0	4.3	.0	4.5	.0	.0	34.8
Red spruce	591.2	510.5	314.3	217.4	125.3	51.1	14.4	.0	1,824.2
Red pine	2.8	.0	.0	.0	.0	5.6	.0	.0	8.4
White pine	44.3	74.0	60.6	50.5	46.3	55.6	246.3	41.8	619.4
Northern white-cedar	114.5	117.9	71.0	48.0	29.3	4.6	22.0	6.5	413.8
Hemlock	31.2	38.9	21.3	15.4	31.4	10.5	26.2	.0	174.9
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	1,351.3	1,006.8	544.2	364.0	241.3	131.9	324.0	48.3	4,011.8
Sugar maple	.0	124.9	183.5	122.6	155.5	112.4	166.2	3.5	868.6
Red maple	.0	71.3	87.9	36.5	29.7	4.3	18.9	.0	248.6
Yellow birch	.0	128.4	83.5	32.9	64.7	43.9	60.1	.0	413.5
Paper birch	.0	66.8	31.9	16.8	20.9	7.6	.0	.0	144.0
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	65.1	73.7	41.5	10.6	16.3	17.0	.0	224.2
White ash	.0	22.0	.0	24.0	10.2	.0	.0	.0	56.2
Black ash	.0	16.2	10.4	5.2	.0	.0	.0	.0	31.8
Aspen	.0	19.3	10.1	.0	8.4	.0	.0	.0	37.8
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	4.9	.0	8.5	11.8	3.1	.0	28.3
Basswood	.0	5.4	10.6	6.3	.0	11.0	.0	.0	33.3
Elm	.0	14.2	8.1	5.7	7.5	9.0	15.8	.0	60.3
Other hardwoods	.0	2.9	.0	.0	.0	.0	.0	.0	2.9
Total hardwoods	.0	536.5	504.6	291.5	316.0	216.3	281.1	3.5	2,149.5
Total, all species	1,351.3	1,543.3	1,048.8	655.5	557.3	348.2	605.1	51.8	6,161.3

^aInternational 1/4-inch rule.

Table 117.--Net volume of sawtimber trees on timberland by species and diameter class, Piscataquis County, Maine, 1982

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	556.5	259.6	69.2	19.3	.0	.0	.0	.0	904.6
Tamarack	10.6	6.8	2.5	.0	.0	.0	.0	.0	19.9
White spruce	75.3	57.5	24.5	5.7	12.5	4.0	.0	.0	179.5
Black spruce	56.4	62.0	58.5	19.3	6.5	.0	.0	.0	202.7
Red spruce	839.1	655.8	615.7	325.9	182.7	86.6	51.5	.0	2,757.3
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	44.4	55.0	31.0	69.7	78.7	39.8	217.8	148.8	685.2
Northern white-cedar	129.5	154.0	143.7	108.7	45.2	56.4	28.9	.0	666.4
Hemlock	47.8	43.8	23.1	26.9	10.4	18.3	6.5	.0	176.8
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	1,759.6	1,294.5	968.2	575.5	336.0	205.1	304.7	148.8	5,592.4
Sugar maple	.0	143.9	130.4	82.1	112.4	93.5	122.0	3.7	688.0
Red maple	.0	166.9	84.5	75.1	48.8	17.6	9.4	30.6	432.9
Yellow birch	.0	103.6	70.8	74.5	46.5	30.5	44.1	3.0	373.0
Paper birch	.0	52.7	33.8	25.2	7.5	.0	2.7	.0	121.9
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	80.3	57.2	28.4	14.7	.0	.0	.0	180.6
White ash	.0	11.6	12.2	3.3	4.7	4.1	.0	.0	35.9
Black ash	.0	8.4	12.1	4.8	6.1	.0	.0	.0	31.4
Aspen	.0	91.2	85.8	51.7	21.9	30.3	12.1	.0	293.0
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	3.9	.0	2.7	9.2	8.0	.0	23.8
Basswood	.0	7.5	4.6	.0	.0	.0	.0	.0	12.1
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	3.5	.0	.0	.0	.0	.0	.0	3.5
Total hardwoods	.0	669.6	495.3	345.1	265.3	185.2	198.3	37.3	2,196.1
Total, all species	1,759.6	1,964.1	1,463.5	920.6	601.3	390.3	503.0	186.1	7,788.5

^aInternational 1/4-inch rule.

Table 118.--Net volume of sawtimber trees on timberland by species and diameter class, Somerset County, Maine, 1971

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	580.3	255.3	54.8	3.2	4.6	.0	.0	.0	898.2
Tamarack	2.6	4.0	.0	.0	.0	.0	.0	.0	6.6
White spruce	73.4	94.8	44.0	26.2	10.4	11.3	.0	.0	260.1
Black spruce	3.8	.0	5.0	.0	.0	.0	.0	.0	8.8
Red spruce	473.5	303.7	148.2	65.3	41.7	12.6	7.0	.0	1,052.0
Red pine	.0	4.2	.0	.0	.0	.0	.0	.0	4.2
White pine	20.9	20.2	30.5	14.6	.0	17.0	53.1	20.3	176.6
Northern white-cedar	69.7	58.2	48.7	29.3	26.3	9.2	6.8	.0	248.2
Hemlock	52.5	29.8	37.9	16.2	19.2	7.5	5.4	.0	168.5
Other softwoods	4.6	.0	.0	.0	.0	.0	.0	.0	4.6
Total softwoods	1,281.3	770.2	369.1	154.8	102.2	57.6	72.3	20.3	2,827.8
Sugar maple	.0	212.3	155.2	152.4	100.8	84.6	154.4	.0	859.7
Red maple ^b	.0	64.2	71.1	49.8	21.4	12.6	5.0	.0	224.1
Yellow birch	.0	101.1	96.7	97.2	51.1	44.7	62.1	.0	452.9
Paper birch	.0	64.9	55.2	10.6	24.2	2.7	3.2	.0	160.8
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	52.9	41.6	50.6	9.0	10.4	.8	.0	165.3
White ash	.0	9.6	5.4	.0	.0	.0	.0	.0	15.0
Black ash	.0	8.0	4.5	.0	.0	.0	.0	.0	12.5
Aspen	.0	44.1	29.3	15.0	6.4	.0	.0	.0	94.8
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Basswood	.0	15.6	8.4	7.2	.0	14.5	.0	.0	45.7
Elm	.0	8.9	.0	.0	5.1	5.3	.0	.0	19.3
Other hardwoods	.0	.0	.0	4.8	.0	.0	6.5	.0	11.3
Total hardwoods	.0	581.6	467.4	387.6	218.0	174.8	232.0	.0	2,061.4
Total, all species	1,281.3	1,351.8	836.5	542.4	320.2	232.4	304.3	20.3	4,889.2

^aInternational 1/4-inch rule.

^bIncludes 5.0 million board feet of silver maple.

Table 119.--Net volume of sawtimber trees on timberland by species and diameter class, Somerset County, Maine, 1982

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29+	
Balsam fir	733.1	327.4	147.3	56.8	.0	.0	.0	.0	1,264.6
Tamarack	4.2	2.6	.0	4.7	.0	.0	.0	.0	11.5
White spruce	53.0	31.7	22.4	14.9	.0	.0	.0	.0	122.0
Black spruce	33.0	8.5	6.9	4.1	.0	.0	.0	.0	52.5
Red spruce	592.4	502.5	324.9	148.9	87.7	25.9	29.6	6.3	1,718.2
Red pine	9.7	9.6	.0	.0	4.0	.0	.0	.0	23.3
White pine	52.7	64.8	64.9	37.7	54.3	48.1	68.7	11.6	402.8
Northern white-cedar	121.8	129.9	130.5	72.3	34.7	12.8	16.5	.0	518.5
Hemlock	50.5	41.6	43.4	62.6	34.2	4.1	42.5	4.0	282.9
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	1,650.4	1,118.6	740.3	402.0	214.9	90.9	157.3	21.9	4,396.3
Sugar maple	.0	202.0	174.8	137.0	95.0	84.3	123.7	13.2	830.0
Red maple	.0	110.1	107.1	55.6	52.7	45.2	5.9	.0	376.6
Yellow birch	.0	112.0	116.4	97.8	69.4	32.0	100.7	3.7	532.0
Paper birch	.0	125.4	51.5	20.6	7.9	.0	4.7	.0	210.1
Gray birch	.0	2.2	2.9	.0	.0	.0	.0	.0	5.1
Beech	.0	76.4	37.8	28.1	19.2	.0	8.6	.0	170.1
White ash	.0	27.2	3.7	.0	4.8	.0	.0	.0	35.7
Black ash	.0	10.1	3.3	.0	.0	.0	.0	.0	13.4
Aspen	.0	80.5	57.6	26.9	24.5	27.3	.0	.0	216.8
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	3.0	.0	.0	.0	11.7	.0	14.7
Basswood	.0	2.4	.0	.0	2.5	.0	.0	.0	4.9
Elm	.0	.0	8.3	.0	.0	.0	.0	.0	8.3
Other hardwoods	.0	2.2	.0	.0	.0	.0	.0	.0	2.2
Total hardwoods	.0	750.5	566.4	366.0	276.0	188.8	255.3	16.9	2,419.9
Total, all species	1,650.4	1,869.1	1,306.7	768.0	490.9	279.7	412.6	38.8	6,816.2

^aInternational 1/4-inch rule.

Table 120.--Net volume of sawtimber trees on timberland by species and diameter class, Washington County, Maine, 1971

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	86.0	39.0	7.7	.0	.0	.0	.0	.0	132.7
Tamarack	22.1	7.4	16.9	.0	.0	.0	.0	.0	46.4
White spruce	13.3	11.3	9.8	3.5	.0	.0	.0	.0	37.9
Black spruce	6.1	3.3	.0	5.1	.0	.0	.0	.0	14.5
Red spruce	363.4	275.8	161.9	47.2	25.1	10.2	3.0	.0	886.6
Red pine	4.2	7.0	8.0	17.0	.0	5.6	.0	.0	41.8
White pine	18.8	39.1	35.6	32.5	41.6	43.1	37.6	7.5	255.8
Northern white-cedar	57.3	42.3	8.3	1.7	5.0	2.3	.0	.0	116.9
Hemlock	78.1	72.9	26.8	32.5	20.7	2.3	2.5	.0	235.8
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	649.3	498.1	275.0	139.5	92.4	63.5	43.1	7.5	1,768.4
Sugar maple	.0	9.1	9.6	13.7	3.4	6.7	6.2	.0	48.7
Red maple	.0	117.3	87.5	54.8	26.7	.0	.0	.0	286.3
Yellow birch	.0	12.0	9.2	4.8	3.9	5.6	.0	.0	35.5
Paper birch	.0	45.2	25.7	5.0	2.8	.0	.0	.0	78.7
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	3.3	4.9	3.0	.0	.0	.0	.0	11.2
White ash	.0	7.0	6.7	14.3	.0	.0	10.0	.0	38.0
Black ash	.0	6.0	4.9	13.8	.0	.0	.0	.0	24.7
Aspen	.0	41.1	14.5	4.0	.0	.0	.0	.0	59.6
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	6.2	.0	2.9	.0	6.9	.0	.0	16.0
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	.0	247.2	163.0	116.3	36.8	19.2	16.2	.0	598.7
Total, all species	649.3	745.3	438.0	255.8	129.2	82.7	59.3	7.5	2,367.1

^aInternational 1/4-inch rule.

Table 121.--Net volume of sawtimber trees on timberland by species and diameter class, Washington County, Maine, 1982

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	93.0	26.5	3.4	4.2	.0	.0	.0	.0	127.1
Tamarack	5.5	13.0	.0	4.5	2.4	.0	2.5	.0	27.9
White spruce	38.0	10.9	4.8	.0	.0	.0	.0	.0	53.7
Black spruce	12.0	9.2	.0	.0	.0	.0	.0	.0	21.2
Red spruce	309.1	295.3	180.1	90.1	70.2	11.8	15.7	.0	972.3
Red pine	1.2	1.9	11.9	.0	.0	.0	.0	.0	15.0
White pine	19.8	40.1	35.0	39.9	18.3	28.5	41.0	9.3	231.9
Northern white-cedar	72.0	54.2	38.0	6.7	.0	4.8	.0	.0	175.7
Hemlock	106.5	103.8	59.0	31.8	15.6	11.0	3.6	.0	331.3
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	657.1	554.9	332.2	177.2	106.5	56.1	62.8	9.3	1,956.1
Sugar maple	.0	13.7	4.4	3.9	10.4	.0	30.2	4.3	66.9
Red maple	.0	81.5	70.4	14.3	3.7	12.5	4.0	.0	186.4
Yellow birch	.0	13.7	9.4	5.9	4.8	.0	3.6	.0	37.4
Paper birch	.0	48.1	24.9	8.5	.0	.0	.0	.0	81.5
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	13.0	14.6	14.2	.0	.0	.0	.0	41.8
White ash	.0	1.3	.0	4.8	.0	.0	.0	.0	6.1
Black ash	.0	4.8	1.4	3.6	.0	.0	.0	.0	9.8
Aspen	.0	78.4	65.5	38.2	9.8	21.3	.0	.0	213.2
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	8.4	.0	.0	.0	.0	.0	.0	8.4
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	.0	262.9	190.6	93.4	28.7	33.8	37.8	4.3	651.5
Total, all species	657.1	817.8	522.8	270.6	135.2	89.9	100.6	13.6	2,607.6

^aInternational 1/4-inch rule.

Table 122.--Net volume of sawtimber trees on timberland by species and diameter class, Western Maine, 1971

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	388.7	138.8	52.9	25.2	7.4	.0	.0	.0	613.0
Tamarack	.0	.0	13.3	5.5	.0	3.1	.0	.0	21.9
White spruce	52.2	59.7	5.2	12.4	.0	8.0	5.2	.0	142.7
Black spruce	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red spruce	237.9	127.7	106.6	41.5	59.3	5.4	14.8	.0	593.2
Red pine	2.6	7.5	8.4	5.0	.0	.0	.0	.0	23.5
White pine	86.3	158.7	127.7	135.6	47.5	60.8	101.0	21.7	739.3
Northern white-cedar	21.3	12.6	.0	3.4	3.7	3.1	.0	.0	44.1
Hemlock	61.5	81.1	68.0	46.1	10.4	.0	3.1	.0	270.2
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	850.5	586.1	382.1	274.7	128.3	80.4	124.1	21.7	2,447.9
Sugar maple	.0	104.4	106.9	77.0	99.0	41.0	54.4	.0	482.7
Red maple	.0	120.7	67.4	47.7	22.7	16.5	30.5	.0	305.5
Yellow birch	.0	167.4	133.0	71.0	75.7	28.6	54.5	9.7	539.9
Paper birch	.0	71.8	68.9	24.7	25.3	7.8	4.7	.0	203.2
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	69.8	29.8	31.8	.0	.0	.0	.0	131.4
White ash	.0	9.7	18.9	8.7	6.8	5.2	.0	.0	49.3
Black ash	.0	.0	12.6	.0	.0	.0	.0	.0	12.6
Aspen	.0	84.9	33.6	21.7	28.4	.0	.0	.0	168.6
White oaks	.0	.0	.0	.0	3.4	.0	.0	.0	3.4
Red oaks	.0	30.2	43.6	11.0	23.0	25.0	29.3	.0	162.1
Basswood	.0	7.9	.0	5.5	.0	8.4	6.5	.0	28.3
Elm	.0	.0	4.1	.0	.0	.0	.0	.0	4.1
Other hardwoods	.0	6.3	3.5	.0	.0	.0	.0	.0	9.8
Total hardwoods	.0	673.1	522.3	299.1	284.3	132.5	179.9	9.7	2,100.9
Total, all species	850.5	1,259.2	904.4	573.8	412.6	212.9	304.0	31.4	4,548.8

^aInternational 1/4-inch rule.

Table 123.--Net volume of sawtimber trees on timberland by species and diameter class, Western Maine, 1982

(In millions of board feet)^a

Species	Diameter class (inches at breast height)								All classes
	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29+	
Balsam fir	475.1	358.0	163.5	26.9	5.0	.0	.0	.0	1,028.5
Tamarack	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
White spruce	38.1	20.2	16.5	9.4	.0	.0	.0	.0	84.2
Black spruce	35.5	3.4	16.6	.0	.0	.0	.0	.0	55.5
Red spruce	305.0	256.7	143.2	88.8	64.3	17.8	15.6	7.0	898.4
Red pine	3.4	6.2	11.9	18.9	5.2	5.5	.0	.0	51.1
White pine	147.6	154.4	205.8	135.9	137.0	52.9	48.9	32.9	915.4
Northern white-cedar	6.3	9.3	10.5	6.8	11.9	3.2	5.7	.0	53.7
Hemlock	71.5	100.8	88.2	71.2	6.3	9.9	.0	.0	347.9
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	1,086.8	909.0	656.2	357.9	229.7	89.3	70.2	39.9	3,439.0
Sugar maple	.0	111.8	65.1	37.8	19.2	25.5	30.8	.0	290.2
Red maple	.0	184.6	90.2	42.9	42.8	19.8	33.8	.0	414.1
Yellow birch	.0	188.7	145.0	119.9	55.5	58.5	126.2	6.8	700.6
Paper birch	.0	165.7	68.0	51.7	32.9	7.8	.0	.0	326.1
Gray birch	.0	3.7	4.2	3.0	.0	.0	.0	.0	10.9
Beech	.0	58.4	44.3	27.0	11.8	.0	.0	.0	141.5
White ash	.0	41.9	34.5	13.3	15.8	12.3	19.5	.0	137.3
Black ash	.0	2.6	.0	.0	.0	.0	.0	.0	2.6
Aspen	.0	115.8	40.2	20.7	5.1	.0	.0	.0	181.8
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	31.0	32.3	21.4	3.3	6.3	3.9	6.8	105.0
Basswood	.0	2.7	.0	.0	.0	7.4	.0	.0	10.1
Elm	.0	.0	2.5	3.6	.0	.0	.0	.0	6.1
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	.0	906.9	526.3	341.3	186.4	137.6	214.2	13.6	2,326.3
Total, all species	1,086.8	1,815.9	1,182.5	699.2	416.1	226.9	284.4	53.5	5,765.3

^aInternational 1/4-inch rule.

Table 124.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Aroostook County, Maine, 1971

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	2,328.3	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	75.8	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	562.0	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	26.7	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	3,048.3	.0	.0	.0	.0	.0
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	37.7	48.2	98.6	46.4	230.9	35.6	27.4	70.8	36.4	170.2
Northern white-cedar ^c	.0	.0	.0	.0	607.2	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	258.9	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	37.7	48.2	98.6	46.4	7,138.1	35.6	27.4	70.8	36.4	170.2
Sugar maple	126.1	259.9	504.2	128.5	1,018.7	115.0	198.6	276.9	78.0	668.5
Red maple	39.2	122.4	239.4	52.0	453.0	31.2	64.6	72.3	12.7	180.8
Yellow birch	30.9	94.0	211.5	29.4	365.8	24.7	57.9	67.0	10.8	160.4
Paper birch	9.9	26.4	76.3	14.9	127.5	7.2	13.3	10.7	1.9	33.1
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	6.9	51.4	352.9	73.3	484.5	1.8	16.3	86.8	21.8	126.7
White ash	12.7	16.6	17.1	10.6	57.0	10.2	1.8	8.6	7.2	27.8
Black ash	11.2	21.8	32.8	13.8	79.6	9.4	1.6	3.3	.6	14.9
Aspen	13.6	73.8	298.1	77.9	463.4	13.6	20.9	62.6	11.1	108.2
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Basswood	1.6	.7	.7	.2	3.2	1.6	.7	.7	.2	3.2
Elm	7.3	2.5	1.5	.4	11.7	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	259.4	669.5	1,734.5	401.0	3,064.4	214.7	375.7	588.9	144.3	1,323.6
Percent of hardwood in each grade	8	22	57	13	100	16	28	45	11	100

^aInternational 1/4-inch rule.^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.^cThese species are not divided into standard-lumber grades.

Table 125.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Aroostook County, Maine, 1982

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	2,174.0	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	127.5	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	567.6	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	208.0	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	2,880.0	.0	.0	.0	.0	.0
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	44.5	59.4	85.1	39.8	228.8	43.1	37.5	63.1	28.7	172.4
Northern white-cedar ^c	.0	.0	.0	.0	1,521.1	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	274.7	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	44.5	59.4	85.1	39.8	7,981.7	43.1	37.5	63.1	28.7	172.4
Sugar maple	187.4	251.5	528.0	246.9	1,213.8	171.2	189.9	311.3	161.8	834.2
Red maple	9.4	57.4	158.3	60.7	285.8	7.6	35.3	44.7	20.5	108.1
Yellow birch	37.1	83.6	227.7	49.5	397.9	32.5	47.5	78.5	17.2	175.7
Paper birch	.0	22.0	45.3	12.0	79.3	.0	8.4	9.4	1.7	19.5
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	5.2	44.4	304.4	124.5	478.5	2.0	21.1	118.3	46.4	187.8
White ash	2.2	5.1	12.5	7.7	27.5	2.3	5.1	5.6	5.9	18.9
Black ash	1.8	23.2	33.5	12.1	70.6	1.8	9.7	12.3	3.0	26.8
Aspen	28.3	148.8	330.9	97.9	605.9	23.6	52.4	65.7	21.4	163.1
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.4	.2	1.8	.7	3.1	.0	.0	.0	.0	.0
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	3.5	5.6	9.1	.0	.0	.1	2.6	2.7
Other hardwoods	.0	.0	2.5	.6	3.1	.0	.0	.0	.0	.0
Total hardwoods	271.8	636.2	1,648.4	618.2	3,174.6	241.0	369.4	645.9	280.5	1,536.8
Percent of hardwood in each grade	9	20	52	19	100	16	24	42	18	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 126.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Capital Region, Maine, 1971

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	73.8	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	19.5	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	56.8	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	11.6	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	143.9	.0	.0	.0	.0	.0
Red pine	.0	.0	11.0	.0	11.0	.0	.0	5.7	.0	5.7
White pine	3.4	44.7	237.5	281.7	567.3	3.4	29.9	98.6	167.7	299.6
Northern white-cedar ^c	.0	.0	.0	.0	39.2	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	264.8	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	3.4	44.7	248.5	281.7	1,187.9	3.4	29.9	104.3	167.7	305.3
Sugar maple	9.7	13.6	26.7	8.5	58.5	8.4	9.7	8.6	2.3	29.0
Red maple	5.4	32.9	102.5	19.1	159.9	5.4	10.4	24.2	3.9	43.9
Yellow birch	7.1	18.3	28.4	13.3	67.1	6.8	9.9	14.6	1.4	32.7
Paper birch	.0	16.6	41.3	6.0	63.9	.0	.1	6.7	1.1	7.9
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.2	.0	13.3	1.8	15.3	.0	.0	.0	.0	.0
White ash	.0	13.6	11.8	4.1	29.5	.0	.0	.0	.0	.0
Black ash	.0	2.7	5.2	1.5	9.4	.0	.0	4.4	1.1	5.5
Aspen	.0	3.7	17.6	13.8	35.1	.0	.0	.0	.0	.0
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	33.8	58.4	9.7	101.9	.0	9.8	12.2	2.4	24.4
Basswood	4.3	10.0	14.4	1.5	30.2	.0	.0	2.2	.0	2.2
Elm	12.7	44.9	59.9	11.2	128.7	12.7	35.7	37.5	6.8	92.7
Other hardwoods	.0	.0	2.0	.4	2.4	.0	.0	.0	.0	.0
Total hardwoods	39.4	190.1	381.5	90.9	701.9	33.3	75.6	110.4	19.0	238.3
Percent of hardwood in each grade	6	27	54	13	100	14	32	46	8	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 127.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Capital Region, Maine, 1982

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4b	All grades	Grade 1	Grade 2	Grade 3	Grade 4b	All grades
Balsam fir ^c	.0	.0	.0	.0	64.5	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	49.9	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	41.2	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	462.1	.0	.0	.0	.0	.0
Red pine	1.0	1.2	2.7	.0	4.9	1.0	.1	.7	.0	1.8
White pine	48.1	207.5	446.4	298.1	1,000.1	40.4	105.0	228.8	180.7	554.9
Northern white-cedar ^c	.0	.0	.0	.0	39.1	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	415.1	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	49.1	208.7	449.1	298.1	2,077.7	41.4	105.1	229.5	180.7	556.7
Sugar maple	3.1	5.7	16.0	5.6	30.4	2.4	4.0	5.9	1.3	13.6
Red maple	2.3	23.4	188.2	87.9	301.8	2.3	9.5	67.0	41.1	119.9
Yellow birch	1.7	3.7	13.5	6.9	25.8	1.5	1.3	4.5	1.4	8.7
Paper birch	.8	15.2	39.8	9.3	65.1	.0	2.2	4.9	.8	7.9
Gray birch	.0	.9	1.5	.9	3.3	.0	.9	1.5	.3	2.7
Beech	.1	.0	15.2	14.0	29.3	.1	.0	4.7	2.2	7.0
White ash	8.9	17.6	19.0	5.9	51.4	8.0	11.3	5.7	2.1	27.1
Black ash	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aspen	4.8	24.2	60.3	17.2	106.5	2.6	3.8	3.1	.4	9.9
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	30.3	67.8	108.4	36.3	242.8	24.6	30.3	41.2	18.0	114.1
Basswood	.8	5.0	5.2	.6	11.6	.0	3.8	2.0	.3	6.1
Elm	.0	.0	1.1	1.0	2.1	.0	.0	.0	.0	.0
Other hardwoods	1.4	3.7	8.0	2.2	15.3	1.5	2.9	2.4	.8	7.6
Total hardwoods	54.2	167.2	476.2	187.8	885.4	43.0	70.0	142.9	68.7	324.6
Percent of hardwood in each grade	6	19	54	21	100	13	22	44	21	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 128.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Casco Bay, Maine, 1971

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4b	All grades	Grade 1	Grade 2	Grade 3	Grade 4b	All grades
Balsam fir ^c	.0	.0	.0	.0	22.8	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	101.1	.0	.0	.0	.0	.0
Red pine	.0	.0	5.2	.0	5.2	.0	.0	.0	.0	.0
White pine	22.2	69.1	1,068.4	841.4	2,001.1	13.0	32.7	385.1	407.9	838.7
Northern white-cedar ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	537.0	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	22.2	69.1	1,073.6	841.4	2,667.2	13.0	32.7	385.1	407.9	838.7
Sugar maple	14.1	5.7	7.4	2.8	30.0	14.1	5.7	7.4	2.8	30.0
Red maple	3.1	6.1	79.9	19.3	108.4	3.1	3.3	22.7	4.4	33.5
Yellow birch	3.7	1.0	15.9	5.6	26.2	.0	.0	.0	4.3	4.3
Paper birch	.0	.2	33.0	11.0	44.2	.0	.2	7.9	1.5	9.6
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.2	.0	18.0	15.3	33.5	.1	.0	15.4	2.4	17.9
White ash	4.0	10.2	4.8	1.5	20.5	4.0	4.9	3.2	.7	12.8
Black ash	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aspen	.0	.0	4.2	.8	5.0	.0	.0	.0	.0	.0
White oaks	.0	.0	11.7	2.9	14.6	.0	.0	7.0	1.7	8.7
Red oaks	41.7	61.3	182.3	34.2	319.5	37.7	33.3	50.4	14.5	135.9
Basswood	.0	.0	4.6	.4	5.0	.0	.0	.0	.0	.0
Elm	.0	6.6	2.6	.6	9.8	.0	6.6	2.7	.6	9.9
Other hardwoods	.0	.1	2.5	.2	2.8	.0	.0	.0	.0	.0
Total hardwoods	66.8	91.2	366.9	94.6	619.5	59.0	54.0	116.7	32.9	262.6
Percent of hardwood in each grade	11	15	59	15	100	22	21	44	13	100

^aInternational 1/4-inch rule.^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.^cThese species are not divided into standard-lumber grades.

Table 129.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Casco Bay, Maine, 1982

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4b	All grades	Grade 1	Grade 2	Grade 3	Grade 4b	All grades
Balsam fir ^c	.0	.0	.0	.0	58.0	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	9.3	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	81.6	.0	.0	.0	.0	.0
Red pine	13.6	5.8	22.6	.0	42.0	1.2	.2	2.5	.0	3.9
White pine	218.7	484.6	1,037.7	505.7	2,246.7	186.2	224.5	496.9	266.6	1,174.2
Northern white-cedar ^c	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	868.1	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	32.5	.0	.0	.0	.0	.0
Total softwoods	232.3	490.4	1,060.3	505.7	3,345.3	187.4	224.7	499.4	266.6	1,178.1
Sugar maple	4.8	4.6	12.7	9.1	31.2	2.2	1.9	3.5	3.8	11.4
Red maple	3.0	23.3	112.7	57.2	196.2	3.0	3.6	22.0	13.8	42.4
Yellow birch	.1	1.8	6.7	1.0	9.6	.0	.0	1.2	.1	1.3
Paper birch	1.4	15.0	23.8	10.6	50.8	1.4	1.7	2.4	3.9	9.4
Gray birch	.0	2.2	1.7	.4	4.3	.0	.0	.0	.0	.0
Beech	.6	5.5	23.8	15.5	45.4	.2	2.8	5.5	4.1	12.6
White ash	5.8	5.3	9.7	2.7	23.5	5.8	2.3	5.1	1.2	14.4
Black ash	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aspen	1.8	12.1	23.0	12.5	49.4	1.8	.6	2.4	2.4	7.2
White oaks	5.1	4.6	7.0	6.5	23.2	5.1	2.8	2.0	4.2	14.1
Red oaks	69.5	114.2	144.2	46.3	374.2	56.0	33.1	41.1	18.1	148.3
Basswood	.0	.6	.3	.0	.9	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	2.1	1.0	6.8	2.8	12.7	2.0	.4	.5	2.1	5.0
Total hardwoods	94.2	190.2	372.4	164.6	821.4	77.5	49.2	85.7	53.7	266.1
Percent of hardwood in each grade	12	23	45	20	100	29	19	32	20	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 130.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Hancock County, Maine, 1971

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	32.4	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	53.5	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	6.1	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	564.7	.0	.0	.0	.0	.0
Red pine	.0	.0	4.3	.0	4.3	.0	.0	.0	.0	.0
White pine	13.4	19.1	50.2	28.2	110.9	10.5	9.5	33.9	20.5	74.4
Northern white-cedar ^c	.0	.0	.0	.0	97.5	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	161.9	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	13.4	19.1	54.5	28.2	1,046.7	10.5	9.5	33.9	20.5	74.4
Sugar maple	3.7	.9	13.8	2.8	21.2	3.7	.6	6.4	1.6	12.3
Red maple	7.3	12.4	62.5	13.6	95.8	5.3	9.7	22.0	4.0	41.0
Yellow birch	3.1	13.6	11.9	4.8	33.4	2.9	7.1	2.8	.4	13.2
Paper birch	.0	2.8	13.7	4.2	20.7	.0	.0	.0	.0	.0
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	5.7	1.6	14.1	2.1	23.5	5.6	1.6	6.6	1.1	14.9
White ash	1.4	4.2	14.4	3.9	23.9	.0	1.9	6.9	1.9	10.7
Black ash	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aspen	.0	.0	8.0	1.5	9.5	.0	.0	.0	.0	.0
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	4.1	.9	4.0	.4	9.4	.0	.0	.0	.0	.0
Basswood	1.9	.8	.8	.2	3.7	1.9	.9	.8	.2	3.8
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	27.2	37.2	143.2	33.5	241.1	19.4	21.8	45.5	9.2	95.9
Percent of hardwood in each grade	11	16	59	14	100	20	23	47	10	100

^aInternational 1/4-inch rule.^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.^cThese species are not divided into standard-lumber grades.

Table 131.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Hancock County, Maine, 1982

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4b	All grades	Grade 1	Grade 2	Grade 3	Grade 4b	All grades
Balsam fir ^c	.0	.0	.0	.0	54.0	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	20.3	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	16.3	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	17.6	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	780.2	.0	.0	.0	.0	.0
Red pine	12.7	2.0	12.5	.0	27.2	2.6	.3	2.0	.0	4.9
White pine	31.7	48.3	100.6	82.3	262.9	26.3	25.9	61.3	63.6	177.1
Northern white-cedar ^c	.0	.0	.0	.0	125.3	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	240.1	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	44.4	50.3	113.1	82.3	1,543.9	28.9	26.2	63.3	63.6	182.0
Sugar maple	3.3	4.7	12.5	4.5	25.0	3.2	3.0	9.7	1.8	17.7
Red maple	10.5	20.1	49.2	18.3	98.1	10.5	5.4	10.9	9.8	36.6
Yellow birch	.1	5.5	6.2	2.9	14.7	.1	3.5	3.7	.4	7.7
Paper birch	.0	8.0	17.9	2.5	28.4	.0	.0	3.7	.5	4.2
Gray birch	.0	.0	.1	2.5	2.6	.0	.0	.0	.0	.0
Beech	.0	.0	3.3	2.6	5.9	.0	.0	.0	.0	.0
White ash	.0	12.3	10.3	3.6	26.2	.0	3.4	1.0	.5	4.9
Black ash	.0	5.3	1.6	.9	7.8	.0	.0	.0	.0	.0
Aspen	2.4	10.7	23.5	20.6	57.2	.0	.0	.0	.0	.0
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	4.4	3.1	3.7	.7	11.9	4.4	1.0	3.0	.3	8.7
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	20.7	69.7	128.3	59.1	277.8	18.2	16.3	32.0	13.3	79.8
Percent of hardwood in each grade	8	25	46	21	100	23	20	40	17	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 132.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Penobscot County, Maine, 1971

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	380.0	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	13.1	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	60.0	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	12.3	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	927.8	.0	.0	.0	.0	.0
Red pine	.0	.0	3.3	.0	3.3	.0	.0	.0	.0	.0
White pine	29.3	57.3	222.9	145.9	455.4	26.5	40.3	139.9	109.4	316.1
Northern white-cedar ^c	.0	.0	.0	.0	193.4	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	562.3	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	29.3	57.3	226.2	145.9	2,607.6	26.5	40.3	139.9	109.4	316.1
Sugar maple	71.0	77.3	121.1	29.6	299.0	66.5	71.5	70.0	17.9	225.9
Red maple	26.5	93.9	258.8	60.1	439.3	24.4	59.7	91.0	18.3	193.4
Yellow birch	18.7	28.4	81.3	10.2	138.6	14.7	14.0	18.9	2.0	49.6
Paper birch	7.1	32.5	36.3	5.7	81.6	3.5	19.4	9.7	1.7	34.3
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	1.2	3.4	88.0	22.4	115.0	.2	.0	23.5	3.6	27.3
White ash	13.2	5.7	13.4	3.3	35.6	13.2	5.7	5.6	1.4	25.9
Black ash	12.1	16.1	26.1	7.5	61.8	9.8	1.7	12.2	2.8	26.5
Aspen	.0	8.1	28.4	8.6	45.1	.0	2.7	1.1	.2	4.0
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	6.0	7.2	3.7	2.0	18.9	5.9	7.2	3.8	2.0	18.9
Basswood	5.9	2.8	12.5	1.1	22.3	4.6	2.1	2.0	.5	9.2
Elm	9.3	9.8	19.7	4.1	42.9	7.4	5.4	2.7	.7	16.2
Other hardwoods	.0	1.5	.7	.3	2.5	.0	1.5	.7	.3	2.5
Total hardwoods	171.0	286.7	690.0	154.9	1,302.6	150.2	190.9	241.2	51.4	633.7
Percent of hardwood in each grade	13	22	53	12	100	24	30	38	8	100

^aInternational 1/4-inch rule.^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.^cThese species are not divided into standard-lumber grades.

Table 133.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Penobscot County, Maine, 1982

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4b	All grades	Grade 1	Grade 2	Grade 3	Grade 4b	All grades
Balsam fir ^c	.0	.0	.0	.0	186.5	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	26.7	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	69.9	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	19.8	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	1,124.1	.0	.0	.0	.0	.0
Red pine	31.6	7.5	33.4	.0	72.5	6.6	.9	9.1	.0	16.6
White pine	92.6	106.6	236.5	110.7	546.4	85.7	68.8	144.5	67.4	366.4
Northern white-cedar ^c	.0	.0	.0	.0	348.2	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	751.1	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	124.2	114.1	269.9	110.7	3,145.2	92.3	69.7	153.6	67.4	383.0
Sugar maple	47.8	60.0	137.1	39.2	284.1	39.2	35.0	60.6	15.1	149.9
Red maple	19.8	56.4	171.5	51.3	299.0	19.8	20.2	30.6	12.4	83.0
Yellow birch	10.2	14.6	48.2	21.8	94.8	9.8	6.8	21.8	5.6	44.0
Paper birch	6.7	17.2	54.0	8.7	86.6	2.2	1.0	11.7	2.2	17.1
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.4	.0	57.1	64.4	121.9	.0	.0	5.8	8.8	14.6
White ash	7.1	14.4	27.7	16.5	65.7	2.5	8.0	3.1	4.0	17.6
Black ash	.0	4.8	18.4	10.7	33.9	.0	2.0	6.6	1.3	9.9
Aspen	31.0	93.7	157.3	54.6	336.6	13.3	15.2	12.1	6.0	46.6
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.8	2.0	5.0	3.8	11.6	.8	2.1	2.4	3.5	8.8
Basswood	6.5	12.4	11.0	1.6	31.5	4.4	7.9	5.0	.9	18.2
Elm	26.4	23.6	21.9	5.0	76.9	26.4	21.1	15.5	3.8	66.8
Other hardwoods	.0	.0	2.9	1.3	4.2	.0	.0	.0	.0	.0
Total hardwoods	156.7	299.1	712.1	278.9	1,446.8	118.4	119.2	175.2	63.7	476.5
Percent of hardwood in each grade	11	21	49	19	100	25	25	37	13	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 134.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Piscataquis County, Maine, 1971

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	734.1	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	4.6	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	197.6	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	34.8	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	1,824.2	.0	.0	.0	.0	.0
Red pine	.0	0	8.4	.0	8.4	.0	.0	5.6	.0	5.6
White pine	51.2	119.8	290.1	158.3	619.4	48.8	85.1	202.2	104.3	440.4
Northern white-cedar ^c	.0	.0	.0	.0	413.8	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	174.9	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	51.2	119.8	298.5	158.3	4,011.8	48.8	85.1	207.8	104.3	446.0
Sugar maple	186.0	241.1	354.2	87.3	868.6	165.4	147.9	197.2	49.7	560.2
Red maple	12.0	52.9	156.9	26.8	248.6	12.0	21.9	48.0	7.4	89.3
Yellow birch	93.7	122.5	177.7	19.6	413.5	68.6	49.2	76.8	7.0	201.6
Paper birch	17.7	40.2	70.6	15.5	144.0	11.4	15.9	15.2	2.8	45.3
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	14.6	9.8	149.4	50.4	224.2	9.1	2.5	62.0	11.8	85.4
White ash	7.3	14.7	26.6	7.6	56.2	7.3	11.7	11.6	3.6	34.2
Black ash	6.6	10.7	11.1	3.4	31.8	.0	3.6	1.1	.6	5.3
Aspen	2.8	8.0	22.6	4.4	37.8	.0	.0	7.1	1.3	8.4
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	8.8	9.8	8.0	1.7	28.3	5.6	9.0	7.1	1.6	23.3
Basswood	14.0	9.7	7.9	1.7	33.3	8.7	4.0	3.8	.9	17.4
Elm	3.3	21.0	30.0	6.0	60.3	1.4	14.6	18.3	3.7	38.0
Black cherry	.0	.0	2.4	.5	2.9	.0	.0	.0	.0	.0
Total hardwoods	366.8	540.4	1,017.4	224.9	2,149.5	289.5	280.3	448.2	90.4	1,108.4
Percent of hardwood in each grade	17	25	47	11	100	26	25	41	8	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 135.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Piscataquis County, Maine, 1982

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	904.6	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	19.9	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	179.5	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	202.7	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	2,757.3	.0	.0	.0	.0	.0
Red pine	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
White pine	176.2	113.6	261.6	133.7	685.2	162.4	90.1	202.1	100.2	554.8
Northern white-cedar ^c	.0	.0	.0	.0	666.4	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	176.8	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	176.2	113.6	261.6	133.7	5,592.4	162.4	90.1	202.1	100.2	554.8
Sugar maple	134.4	166.6	284.1	102.9	688.0	120.1	107.1	135.9	50.6	413.7
Red maple	12.8	91.7	255.6	72.8	432.9	10.0	53.6	97.8	20.1	181.5
Yellow birch	32.3	113.7	193.9	33.1	373.0	27.3	68.1	93.6	9.6	198.6
Paper birch	14.9	36.6	60.4	10.0	121.9	9.4	9.6	13.8	2.7	35.5
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	5.4	29.4	113.4	32.4	180.6	3.3	7.5	24.2	8.1	43.1
White ash	.0	10.3	19.8	5.8	35.9	.0	5.5	4.9	1.7	12.1
Black ash	5.0	11.4	11.4	3.6	31.4	.0	3.3	5.8	1.7	10.8
Aspen	36.3	87.4	136.2	33.1	293.0	33.5	33.8	37.7	11.1	116.1
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	6.8	9.7	4.8	2.5	23.8	6.9	7.1	3.9	2.1	20.0
Basswood	.0	5.3	6.1	.7	12.1	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	2.9	.6	3.5	.0	.0	.0	.0	.0
Total hardwoods	247.9	562.1	1,088.6	297.5	2,196.1	210.5	295.6	417.6	107.7	1,031.4
Percent of hardwood in each grade	11	26	50	13	100	20	29	41	10	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 136.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Somerset County, Maine, 1971

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4b	All grades	Grade 1	Grade 2	Grade 3	Grade 4b	All grades
Balsam fir ^c	.0	.0	.0	.0	898.2	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	6.6	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	260.1	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	8.8	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	1,052.0	.0	.0	.0	.0	.0
Red pine	2.2	.3	1.7	.0	4.2	.0	.0	.0	.0	.0
White pine	4.5	30.6	88.4	53.1	176.6	4.5	19.9	44.8	35.8	105.0
Northern white-cedar ^c	.0	.0	.0	.0	248.2	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	168.5	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	4.6	.0	.0	.0	.0	.0
Total softwoods	6.7	30.9	90.1	53.1	2,827.8	4.5	19.9	44.8	35.8	105.0
Sugar maple	103.4	216.5	439.6	100.2	859.7	98.6	139.1	204.7	49.8	492.2
Red maple	11.4	39.1	142.0	31.6	224.1	11.4	19.0	45.5	13.0	88.9
Yellow birch	27.2	148.2	223.0	54.5	452.9	24.7	104.7	98.6	27.1	255.1
Paper birch	.0	47.8	92.9	20.1	160.8	.0	12.8	21.8	6.0	40.6
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	2.4	24.7	87.0	51.2	165.3	1.2	15.3	28.2	26.2	70.9
White ash	.0	2.7	9.6	2.7	15.0	.0	.0	.0	.0	.0
Black ash	.0	3.1	7.3	2.1	12.5	.0	.0	.0	.0	.0
Aspen	2.6	16.6	63.3	12.3	94.8	2.6	10.2	7.0	1.5	21.3
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Basswood	7.4	13.4	22.3	2.6	45.7	5.4	7.1	8.0	1.2	21.7
Elm	3.2	4.6	9.5	2.0	19.3	3.3	4.6	2.1	.5	10.5
Other hardwoods	3.9	.8	5.1	1.5	11.3	3.9	.8	5.1	1.5	11.3
Total hardwoods	161.5	517.5	1,101.6	280.8	2,061.4	151.1	313.6	421.0	126.8	1,012.5
Percent of hardwood in each grade	8	25	53	14	100	15	31	42	12	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 137.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Somerset County, Maine, 1982

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	1,264.6	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	11.5	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	122.0	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	52.5	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	1,718.2	.0	.0	.0	.0	.0
Red pine	2.0	.3	21.0	.0	23.3	.0	.0	4.0	.0	4.0
White pine	25.1	63.3	186.4	128.0	402.8	21.0	20.4	101.9	77.0	220.3
Northern white-cedar ^c	.0	.0	.0	.0	518.5	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	282.9	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	27.1	63.6	207.4	128.0	4,396.3	21.0	20.4	105.9	77.0	224.3
Sugar maple	133.5	208.6	381.1	106.8	830.0	105.7	124.9	174.4	48.2	453.2
Red maple	29.5	79.1	201.7	66.3	376.6	24.9	39.7	67.0	27.8	159.4
Yellow birch	71.5	173.2	228.6	58.7	532.0	65.1	97.4	111.4	29.7	303.6
Paper birch	15.5	65.4	107.9	21.3	210.1	5.7	12.3	12.4	2.8	33.2
Gray birch	.0	.0	4.3	.8	5.1	.0	.0	.0	.0	.0
Beech	6.7	34.0	106.9	22.5	170.1	4.8	16.7	28.1	6.2	55.8
White ash	3.1	10.4	16.0	6.2	35.7	3.0	.5	1.1	.2	4.8
Black ash	.0	2.3	8.7	2.4	13.4	.0	.0	.0	.0	.0
Aspen	37.9	71.6	88.7	18.6	216.8	32.8	19.1	21.8	5.1	78.8
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	5.5	5.5	2.9	.8	14.7	5.5	3.5	2.2	.5	11.7
Basswood	.0	1.5	.8	2.6	4.9	.0	.0	.0	2.5	2.5
Elm	.0	5.6	2.2	.5	8.3	.0	.0	.0	.0	.0
Other hardwoods	.0	1.5	.6	.1	2.2	.0	.0	.0	.0	.0
Total hardwoods	303.2	658.7	1,150.4	307.6	2,419.9	247.5	314.1	418.4	123.0	1,103.0
Percent of hardwood in each grade	12	27	48	13	100	22	29	38	11	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 138.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Washington County, Maine, 1971

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	132.7	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	46.4	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	37.9	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	14.5	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	886.6	.0	.0	.0	.0	.0
Red pine	7.3	3.4	31.1	.0	41.8	4.7	3.0	14.9	.0	22.6
White pine	11.9	33.6	132.6	77.7	255.8	10.4	17.5	82.9	51.4	162.2
Northern white-cedar ^c	.0	.0	.0	.0	116.9	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	235.8	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	19.2	37.0	163.7	77.7	1,768.4	15.1	20.5	97.8	51.4	184.8
Sugar maple	10.7	12.5	20.9	4.6	48.7	10.6	7.6	9.4	2.4	30.0
Red maple	21.7	49.6	181.7	33.3	286.3	18.5	17.1	38.1	7.8	81.5
Yellow birch	4.5	4.5	24.7	1.8	35.5	4.2	.9	8.7	.5	14.3
Paper birch	2.0	6.4	61.7	8.6	78.7	2.0	.6	4.5	.7	7.8
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.1	.0	9.8	1.3	11.2	.0	.0	2.6	.4	3.0
White ash	11.3	11.6	11.6	3.5	38.0	9.0	8.5	5.2	1.7	24.4
Black ash	5.9	7.5	8.7	2.6	24.7	5.8	4.2	3.0	.9	13.9
Aspen	.0	7.0	44.1	8.5	59.6	.0	.0	3.3	.6	3.9
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	1.9	2.7	10.1	1.3	16.0	1.9	.4	6.7	.7	9.7
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	58.1	101.8	373.3	65.5	598.7	52.0	39.3	81.5	15.7	188.5
Percent of hardwood in each grade	10	17	62	11	100	28	21	43	8	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 139.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Washington County, Maine, 1982

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	127.1	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	27.9	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	53.7	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	21.2	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	972.3	.0	.0	.0	.0	.0
Red pine	6.5	2.2	6.3	.0	15.0	.0	.0	.0	.0	.0
White pine	49.5	51.7	94.6	36.1	231.9	40.2	25.0	56.9	14.8	136.9
Northern white-cedar ^c	.0	.0	.0	.0	175.7	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	331.3	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	56.0	53.9	100.9	36.1	1,956.1	40.2	25.0	56.9	14.8	136.9
Sugar maple	6.5	18.3	18.0	24.1	66.9	4.6	12.6	11.5	20.3	49.0
Red maple	2.0	50.6	98.4	35.4	186.4	2.0	8.5	15.7	8.3	34.5
Yellow birch	5.6	16.3	12.8	2.7	37.4	5.5	3.4	5.0	.3	14.2
Paper birch	8.3	34.4	29.8	9.0	81.5	5.9	1.9	.4	.3	8.5
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	5.9	11.0	17.1	7.8	41.8	3.7	3.3	6.4	.9	14.3
White ash	3.0	.5	2.1	.5	6.1	3.0	.5	1.0	.2	4.7
Black ash	.0	2.3	4.7	2.8	9.8	.0	.0	2.9	.7	3.6
Aspen	42.9	71.9	76.8	21.6	213.2	30.8	15.5	18.6	4.4	69.3
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	.0	2.4	5.3	.7	8.4	.0	.0	.0	.0	.0
Basswood	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Elm	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	74.2	207.7	265.0	104.6	651.5	55.5	45.7	61.5	35.4	198.1
Percent of hardwood in each grade	11	32	41	16	100	28	23	31	18	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 140.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Western Maine, 1971

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4b	All grades	Grade 1	Grade 2	Grade 3	Grade 4b	All grades
Balsam fir ^c	.0	.0	.0	.0	613.0	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	21.9	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	142.7	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	593.2	.0	.0	.0	.0	.0
Red pine	.0	6.3	17.2	.0	23.5	.0	2.5	2.6	.0	5.1
White pine	23.9	71.5	423.5	220.4	739.3	17.4	42.0	195.3	112.0	366.7
Northern white-cedar ^c	.0	.0	.0	.0	44.1	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	270.2	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	23.9	77.8	440.7	220.4	2,447.9	17.4	44.5	197.9	112.0	371.8
Sugar maple	111.2	112.0	214.9	44.6	482.7	99.9	60.4	90.0	21.1	271.4
Red maple	17.5	52.9	200.5	34.6	305.5	8.1	33.8	63.5	12.1	117.5
Yellow birch	97.7	112.2	305.0	25.0	539.9	70.3	60.8	100.1	8.4	239.6
Paper birch	26.6	37.6	119.3	19.7	203.2	19.9	14.7	23.2	4.6	62.4
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.8	.0	90.8	39.8	131.4	.1	.0	24.1	7.7	31.9
White ash	16.3	10.5	17.8	4.7	49.3	9.7	1.7	7.6	1.7	20.7
Black ash	7.9	1.4	2.8	.5	12.6	.0	.0	.0	.0	.0
Aspen	25.9	32.2	88.6	21.9	168.6	9.4	14.0	18.6	8.0	50.0
White oaks	.0	2.2	.8	.4	3.4	.0	2.2	.7	.4	3.3
Red oaks	60.9	36.2	54.5	10.5	162.1	46.5	20.7	15.9	5.2	88.3
Basswood	10.2	7.3	9.3	1.5	28.3	10.2	4.7	4.5	1.0	20.4
Elm	.0	.0	3.4	.7	4.1	.0	.0	.0	.0	.0
Other hardwoods	.0	.0	8.2	1.6	9.8	.0	.0	.0	.0	.0
Total hardwoods	375.0	404.5	1,115.9	205.5	2,100.9	274.1	213.0	348.2	70.2	905.5
Percent of hardwood in each grade	18	19	53	10	100	30	24	38	8	100

^aInternational 1/4-inch rule.^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.^cThese species are not divided into standard-lumber grades.

Table 141.--Net volume of sawtimber trees on timberland by species, size class, and standard-lumber log grade, Western Maine, 1982

(In millions of board feet)^a

Species	All size classes					>15" Diameter at breast height				
	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades	Grade 1	Grade 2	Grade 3	Grade 4 ^b	All grades
Balsam fir ^c	.0	.0	.0	.0	1,028.5	.0	.0	.0	.0	.0
Tamarack ^c	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0
White spruce ^c	.0	.0	.0	.0	84.2	.0	.0	.0	.0	.0
Black spruce ^c	.0	.0	.0	.0	55.5	.0	.0	.0	.0	.0
Red spruce ^c	.0	.0	.0	.0	898.4	.0	.0	.0	.0	.0
Red pine	24.7	3.3	23.1	.0	51.1	15.7	2.1	11.8	.0	29.6
White pine	70.3	234.5	447.8	162.8	915.4	51.7	93.5	194.1	68.2	407.5
Northern white-cedar ^c	.0	.0	.0	.0	53.7	.0	.0	.0	.0	.0
Hemlock ^c	.0	.0	.0	.0	347.9	.0	.0	.0	.0	.0
Other softwoods ^c	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	95.0	237.8	470.9	162.8	3,439.0	67.4	95.6	205.9	68.2	437.1
Sugar maple	16.8	72.7	137.4	63.3	290.2	13.7	34.7	35.2	29.6	113.2
Red maple	12.5	69.1	221.8	110.7	414.1	12.5	25.9	75.1	25.8	139.3
Yellow birch	39.9	185.1	357.0	118.6	700.6	28.5	99.3	156.5	82.6	366.9
Paper birch	21.8	97.7	166.6	40.0	326.1	21.8	31.7	32.6	6.4	92.5
Gray birch	2.6	.9	6.4	1.0	10.9	.0	.0	2.5	.5	3.0
Beech	2.3	24.3	80.6	34.3	141.5	.7	8.7	19.0	10.3	38.7
White ash	41.9	24.8	49.1	21.5	137.3	36.2	6.3	15.5	3.0	61.0
Black ash	.0	.0	2.1	.5	2.6	.0	.0	.0	.0	.0
Aspen	22.3	62.6	73.7	23.2	181.8	16.0	5.4	3.4	1.0	25.8
White oaks	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Red oaks	18.4	46.6	31.9	8.1	105.0	18.4	13.5	7.9	1.9	41.7
Basswood	.0	.0	9.4	.7	10.1	.0	.0	6.9	.5	7.4
Elm	.0	.0	5.1	1.0	6.1	.0	.0	3.0	.6	3.6
Other hardwoods	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Total hardwoods	178.5	583.8	1,141.1	422.9	2,326.3	147.8	225.5	357.6	162.2	893.1
Percent of hardwood in each grade	8	25	49	18	100	17	25	40	18	100

^aInternational 1/4-inch rule.

^bGrade 4 applies only to white pine. For hardwoods the volumes in this column are for construction logs.

^cThese species are not divided into standard-lumber grades.

Table 142.--Average annual net change of growing-stock volume on timberland by species and component, Aroostook County, Maine, 1971 - 1981

(In thousands of cubic feet)

Species	Ingrowth	Accretion	Gross growth	Mortality	Cull increment	Net growth	Removals ^a	Net change
Balsam fir	7,892	22,356	30,248	-32,342	-5,009	-7,103	-35,078	-42,181
Spruce	6,980	35,071	42,051	-6,814	-3,252	31,985	-34,297	-2,312
Northern white-cedar	4,733	35,044	39,777	-1,653	-1,751	36,373	-3,508	32,865
Hemlock	233	2,987	3,220	-1,008	-104	2,108	-2,285	-177
Other softwoods	346	3,496	3,842	-408	-155	3,279	-1,850	1,429
Total softwoods	20,184	98,954	119,138	-42,225	-10,271	66,642	-77,018	-10,376
Sugar maple	2,375	11,137	13,512	-776	-1,702	11,034	-4,331	6,703
Yellow birch	1,227	4,140	5,367	-1,403	-1,933	2,031	-1,398	633
Paper birch	3,965	3,340	7,305	-1,575	-1,690	4,040	-1,215	2,825
Beech	1,576	4,790	6,366	-2,048	-4,459	-141	-1,469	-1,610
Aspen	5,607	10,978	16,585	-2,903	-2,374	11,308	-1,906	9,402
Other hardwoods	4,837	5,624	10,461	-6,176	-6,947	-2,662	-2,411	-5,073
Total hardwoods	19,587	40,009	59,596	-14,881	-19,105	25,610	-12,730	12,880
All species	39,771	138,963	178,734	-57,106	-29,376	92,252	-89,748	2,504

^aRemovals are based on data from the Maine Timber Cut Reports issued annually by the Maine Forest Service. Removals for fuelwood and removals from the timberland base as a result of change in land use are only partially accounted for.

Table 143.--Average annual net change of growing-stock volume on timberland by species and component, Capital Region, Maine, 1971 - 1981

(In thousands of cubic feet)

Species	Ingrowth	Accretion	Gross growth	Mortality	Cull increment	Net growth	Removals ^a	Net change
Balsam fir	3,018	936	3,954	-4,097	-224	-367	-1,699	-2,066
Spruce	2,135	5,035	7,170	-62	b	7,098	-2,548	4,550
Pine	3,138	13,120	16,258	-1,078	-716	14,464	-7,106	7,358
Hemlock	654	5,432	6,086	-694	-247	5,145	-2,691	2,454
Other softwoods	433	551	984	-624	b	360	-281	79
Total softwoods	9,378	25,074	34,452	-6,555	-1,197	26,700	-14,325	12,375
Paper birch	971	2,322	3,293	-137	b	3,156	-1,307	1,849
Beech	806	1,152	1,958	b	-561	1,397	-228	1,169
White ash	253	969	1,222	b	b	1,222	-499	723
Aspen	3,958	1,752	5,710	b	b	5,703	-455	5,248
Oak	1,400	4,545	5,945	b	b	5,945	-690	5,255
Other hardwoods	3,040	4,771	7,811	-1,702	-837	5,272	-4,098	1,174
Total hardwoods	10,428	15,511	25,939	-1,846	-1,398	22,695	-7,277	15,418
All species	19,806	40,585	60,391	-8,401	-2,595	49,395	-21,602	27,793

^aRemovals are based on data from the Maine Timber Cut Reports issued annually by the Maine Forest Service. Removals for fuelwood and removals from the timberland base as a result of change in land use are only partially accounted for.

^bData insufficient to estimate.

Table 144.--Average annual net change of growing-stock volume on timberland
by species and component, Casco Bay, Maine, 1971 - 1981

(In thousands of cubic feet)

Species	Ingrowth	Accretion	Gross growth	Mortality	Cull increment	Net growth	Removals ^a	Net change
Balsam fir	1,594	628	2,222	-131	-12	2,079	-463	1,616
Spruce	187	240	427	-1,877	-407	-1,857	-549	-2,406
Pine	2,232	17,790	20,022	-3,953	-5,379	10,690	-10,529	161
Hemlock	926	5,825	6,751	-441	-595	5,715	-2,304	3,411
Other softwoods	302	1,214	1,516	-474	b	1,042	-96	946
Total softwoods	5,241	25,697	30,938	-6,876	-6,393	17,669	-13,941	3,728
Yellow birch	185	362	547	-235	-707	-395	-399	-794
Paper birch	669	1,246	1,915	b	-56	1,859	-901	958
White ash	580	974	1,554	b	-165	1,389	-149	1,240
Aspen	2,100	2,016	4,116	-148	-25	3,943	-251	3,692
Oak	2,134	4,727	6,861	-186	-893	5,782	-955	4,827
Other hardwoods	4,830	6,734	11,564	-932	-2,030	8,602	-2,678	5,924
Total hardwoods	10,498	16,059	26,557	-1,501	-3,876	21,180	-5,333	15,847
All species	15,739	41,756	57,495	-8,377	-10,269	38,849	-19,274	19,575

^aRemovals are based on data from the Maine Timber Cut Reports issued annually by the Maine Forest Service. Removals for fuelwood and removals from the timberland base as a result of change in land use are only partially accounted for.

^bData insufficient to estimate.

Table 145.--Average annual net change of growing-stock volume on timberland by species and component, Hancock County, Maine, 1971 - 1981

(In thousands of cubic feet)

Species	Ingrowth	Accretion	Gross growth	Mortality	Cull increment	Net growth	Removals ^a	Net change
Balsam fir	2,907	1,387	4,294	-3,122	-509	663	-872	-209
Spruce	1,761	7,217	8,978	-1,751	-863	6,364	-3,239	3,125
Pine	1,640	3,119	4,759	-57	b	4,702	-1,297	3,405
Other softwoods	910	3,841	4,751	-1,811	-1,820	1,120	-1,274	-154
Total softwoods	7,218	15,564	22,782	-6,741	-3,192	12,849	-6,682	6,167
Sugar maple	18	124	142	b	-175	-33	-244	-277
Yellow birch	112	718	830	-19	-40	771	-136	635
Paper birch	911	1,958	2,869	-151	-155	2,563	-725	1,838
Beech	87	375	462	-345	-662	-545	-173	-718
White ash	293	256	549	b	-591	-42	-194	-236
Aspen	938	2,129	3,067	-12	-9	3,046	-160	2,886
Oak	55	369	424	-479	-409	-464	-91	-555
Other hardwoods	1,387	3,362	4,749	-171	-2,374	2,204	-915	1,289
Total hardwoods	3,801	9,291	13,092	-1,177	-4,415	7,500	-2,638	4,862
All species	11,019	24,855	35,874	-7,918	-7,607	20,349	-9,320	11,029

^aRemovals are based on data from the Maine Timber Cut Reports issued annually by the Maine Forest Service. Removals for fuelwood and removals from the timberland base as a result of change in land use are only partially accounted for.

^bData insufficient to estimate.

Table 146.--Average annual net change of growing-stock volume on timberland
by species and component, Penobscot County, Maine, 1971 - 1981

(In thousands of cubic feet)

Species	Ingrowth	Accretion	Gross growth	Mortality	Cull increment	Net growth	Removals ^a	Net change
Balsam fir	2,844	3,864	6,708	-14,517	-3,470	-11,279	-6,733	-18,012
Tamarack	332	328	660	-88	-38	534	-118	416
Spruce	2,373	8,332	10,705	-4,555	-640	5,510	-9,290	-3,780
Pine	1,414	5,685	7,099	-246	-385	6,468	-3,743	2,725
Northern white-cedar	3,004	6,233	9,237	-824	-1,359	7,054	-989	6,065
Hemlock	1,757	6,219	7,976	-346	-568	7,062	-4,983	2,079
Total softwoods	11,724	30,661	42,385	-20,576	-6,460	15,349	-25,856	-10,507
Sugar maple	452	3,201	3,653	-768	-624	2,261	-2,438	-177
Yellow birch	222	1,397	1,619	-845	-463	311	-1,054	-743
Paper birch	1,304	3,819	5,123	-448	-842	3,833	-1,478	2,355
Beech	1,289	3,190	4,479	-558	-1,714	2,207	-1,203	1,004
White ash	704	939	1,643	-313	-220	1,110	-932	178
Aspen	2,996	9,040	12,036	-646	-314	11,076	-1,124	9,952
Other hardwoods	1,435	6,244	7,679	-4,228	-4,050	-599	-3,870	-4,469
Total hardwoods	8,402	27,830	36,232	-7,806	-8,227	20,199	-12,099	8,100
All species	20,126	58,491	78,617	-28,382	-14,687	35,548	-37,955	-2,407

^aRemovals are based on data from the Maine Timber Cut Reports issued annually by the Maine Forest Service. Removals for fuelwood and removals from the timberland base as a result of change in land use are only partially accounted for.

Table 147.--Average annual net change of growing-stock volume on timberland
by species and component, Piscataquis County, Maine, 1971 - 1981

(In thousands of cubic feet)

Species	Ingrowth	Accretion	Gross growth	Mortality	Cull increment	Net growth	Removals ^a	Net change
Balsam fir	8,447	18,058	26,505	-17,848	-3,770	4,887	-20,530	-15,643
Spruce	7,200	32,578	39,778	-4,810	-2,896	32,072	-20,143	11,929
Northern white-cedar	669	5,268	5,937	-1,799	-1,525	2,613	-567	2046
Other softwoods	225	3,099	3,324	-203	-178	2,943	-4,192	-1,249
Total softwoods	16,541	59,003	75,544	-24,660	-8,369	42,515	-45,432	-2,917
Sugar maple	322	2,436	2,758	-433	-2,222	103	-4,331	-4,228
Yellow birch	605	3,247	3,852	-671	-905	2,276	-1,812	464
Paper birch	621	1,802	2,423	-459	-639	1,325	-1,576	-251
Beech	540	1,656	2,196	-1,915	-3,760	-3,479	-1,610	-5,089
White ash	171	708	879	-299	-574	6	-559	-553
Aspen	4,462	6,253	10,715	-911	-738	9,066	-588	8,478
Other hardwoods	2,800	6,461	9,261	-1,438	-1,018	6,805	-2,504	4,301
Total hardwoods	9,521	22,563	32,084	-6,126	-9,856	16,102	-12,980	3,122
All species	26,062	81,566	107,628	-30,786	-18,225	58,617	-58,412	205

^aRemovals are based on data from the Maine Timber Cut Reports issued annually by the Maine Forest Service. Removals for fuelwood and removals from the timberland base as a result of change in land use are only partially accounted for. Land use change removals, which averaged an estimated 3.1 million cubic feet per year for the 11-year period, were due to the one-time withdrawals for the Allagash Waterway.

Table 148.--Average annual net change of growing-stock volume on timberland
by species and component, Somerset County, Maine, 1971 - 1981

(In thousands of cubic feet)

Species	Ingrowth	Accretion	Gross growth	Mortality	Cull increment	Net growth	Removals ^a	Net change
Balsam fir	7,854	16,475	24,329	-13,687	-5,085	5,557	-16,534	-10,977
Tamarack	35	354	389	-253	b	136	-83	53
Spruce	6,005	22,674	28,679	-3,788	-1,430	23,461	-13,759	9,702
Pine	5,072	5,300	10,372	-816	-268	9,288	-2,891	6,397
Northern white-cedar	924	7,924	8,848	-476	-802	7,570	-789	6,781
Hemlock	900	4,148	5,048	-371	-684	3,993	-1,570	2,423
Total softwoods	20,790	56,875	77,665	-19,391	-8,269	50,005	-35,626	14,379
Sugar maple	1,696	7,860	9,556	-703	-990	7,863	-3,421	4,442
Yellow birch	1,213	4,842	6,055	-480	-1,422	4,153	-1,897	2,256
Paper birch	1,813	6,055	7,868	-712	-695	6,461	-2,146	4,315
Beech	1,143	3,742	4,885	-457	-3,019	1,409	-695	714
White ash	859	1,313	2,172	-590	b	1,582	-406	1,176
Aspen	1,600	4,321	5,921	-1,809	b	4,112	-562	3,550
Other hardwoods	3,120	9,534	12,654	-3,605	-3,928	5,121	-2,359	2,762
Total hardwoods	11,444	37,667	49,111	-8,356	-10,054	30,701	-11,486	19,215
All species	32,234	94,542	126,776	-27,747	-18,323	80,706	-47,112	33,594

^aRemovals are based on data from the Maine Timber Cut Reports issued annually by the Maine Forest Service. Removals for fuelwood and removals from the timberland base as a result of change in land use are only partially accounted for.

^bData insufficient to estimate.

Table 149.--Average annual net change of growing-stock volume on timberland by species and component, Washington County, Maine, 1971 - 1981

(In thousands of cubic feet)

Species	Ingrowth	Accretion	Gross growth	Mortality	Cull increment	Net growth	Removals ^a	Net change
Balsam fir	2,356	5,862	8,218	-9,022	-3,455	-4,259	-5,360	-9,619
Tamarack	b	b	b	b	b	-1,915	-71	-1,986
Spruce	2,942	8,997	11,939	-2,598	-2,606	6,735	-11,444	-4,709
Pine	541	2,770	3,311	-136	-1,488	1,687	-2,632	-945
Northern white-cedar	703	2,900	3,603	-1,307	-1,815	481	-184	297
Hemlock	1,324	4,220	5,544	-29	-404	5,111	-3,282	1,829
Total softwoods	7,866	24,751	32,617	-14,826	-9,951	7,840	-22,973	-15,133
Sugar maple	399	2,564	2,963	-44	-1,272	1,647	-942	705
Yellow birch	354	833	1,187	-420	b	767	-764	3
Paper birch	1,361	1,917	3,278	-821	-378	2,079	-2,641	-562
Beech	1,132	1,062	2,194	-360	-829	1,005	-482	523
Aspen	2,000	3,555	5,555	-17	-949	4,589	-1,826	2,763
Oak	528	934	1,462	-821	-701	-60	-218	-278
Other hardwoods	1,093	2,269	3,362	-1,175	-2,010	177	-6,609	-6,432
Total hardwoods	6,867	13,134	20,001	-3,658	-6,139	10,204	-13,482	-3,278
All species	14,733	37,885	52,618	-18,484	-16,090	18,044	-36,455	-18,411

^aRemovals are based on data from the Maine Timber Cut Reports issued annually by the Maine Forest Service. Removals for fuelwood and removals from the timberland base as a result of change in land use are only partially accounted for.

^bData insufficient to estimate.

Table 150.--Average annual net change of growing-stock volume on timberland by species and component, Western Maine, 1971 - 1981

(In thousands of cubic feet)

Species	Ingrowth	Accretion	Gross growth	Mortality	Cull increment	Net growth	Removals ^a	Net change
Balsam fir	7,509	11,950	19,459	-8,018	-1,317	10,124	-5,563	4,561
Spruce	2,853	11,592	14,445	-2,386	-554	11,505	-5,837	5,668
Pine	3,532	13,342	16,874	-2,519	-271	14,084	-9,089	4,995
Hemlock	146	4,633	4,779	-195	-43	4,541	-3,314	1,227
Other softwoods	147	565	712	-1,415	-479	-1,182	-137	-1,319
Total softwoods	14,187	42,082	56,269	-14,533	-2,664	39,072	-23,940	15,132
Sugar maple	1,862	2,805	4,667	-717	-1,287	2,663	-5,375	-2,712
Yellow birch	2,865	9,731	12,596	-1,673	-1,245	9,678	-5,112	4,566
Paper birch	6,629	8,378	15,007	-204	-40	14,763	-5,575	9,188
Beech	1,176	3,768	4,944	-1,240	-709	2,995	-2,759	236
White ash	2,088	2,285	4,373	-123	b	4,250	-954	3,296
Aspen	2,419	3,157	5,576	-1,032	-230	4,314	-1,442	2,872
Oak	476	509	985	-793	-126	66	-1,700	-1,634
Other hardwoods	5,884	9,940	15,824	-2,341	-527	12,956	-5,085	7,871
Total hardwoods	23,399	40,573	63,972	-8,123	-4,164	51,685	-28,002	23,683
All species	37,586	82,655	120,241	-22,656	-6,828	90,757	-51,942	38,815

^aRemovals are based on data from the Maine Timber Cut Reports issued annually by the Maine Forest Service. Removals for fuelwood and removals from the timberland base as a result of change in land use are only partially accounted for.

^bData insufficient to estimate.

Table 151.--Land area by county and land use classes, Maine, 1982

(In thousands of acres)

County	Forest land area				Total forest	Non-forest	Total land area
	Timberland	Productive reserved	Unproductive ^a	Urban			
Androscoggin	214.1	.9	3.3	-	218.3	86.8	305.1
Aroostook	3,768.4	10.3	32.5	-	3,811.2	490.4	4,301.6
Cumberland	406.5	2.0	-	-	408.5	152.4	560.9
Franklin	1,014.2	4.3	16.4	-	1,034.9	52.6	1,087.5
Hancock	776.3	29.7	32.1	-	838.1	145.7	983.8
Kennebec	400.8	.8	12.0	2.1	415.7	145.2	560.9
Knox	165.4	5.3	-	-	170.7	66.0	236.7
Lincoln	224.1	.1	-	-	224.2	69.1	293.3
Oxford	1,190.6	4.9	5.8	-	1,201.3	112.7	1,314.0
Penobscot	1,872.7	1.4	67.3	-	1,941.4	253.6	2,195.0
Piscataquis	2,238.1	192.7	32.6	-	2,463.4	87.8	2,551.2
Sagadahoc	124.7	1.0	3.2	-	128.9	35.6	164.5
Somerset	2,334.5	.2	11.0	-	2,345.7	169.8	2,515.5
Waldo	362.1	3.8	9.2	-	375.1	92.0	467.1
Washington	1,454.2	12.6	47.7	-	1,514.5	140.4	1,654.9
York	513.5	2.0	-	-	515.5	129.3	644.8
All counties	17,060.2	272.0	273.1	2.1	17,607.4	2,229.4	19,836.8

^aIncludes 11,000 acres of unproductive reserved forest land.

Table 152.--Area of timberland by county and forest-type group, Maine, 1971

(In thousands of acres)

County	Forest-type group									All groups
	White/ red pine	Spruce/ fir	Loblolly/ shortleaf	Oak/ pine	Oak/ hickory	Elm/ash/ red maple	Northern hardwoods	Aspen/ birch	Indeter- minate	
Androscoggin	128.7	-	-	-	-	-	51.1	37.3	-	217.1
Aroostook	36.8	2,533.8	-	-	-	24.3	986.4	160.0	-	3,741.3
Cumberland	274.2	-	-	-	48.6	10.8	62.4	25.1	-	421.1
Franklin	29.6	418.1	-	-	-	11.3	472.9	77.9	-	1,009.8
Hancock	98.8	416.6	-	-	11.0	11.0	152.0	30.2	-	719.6
Kennebec	110.8	48.9	-	-	11.7	24.3	162.1	23.3	23.6	404.7
Knox	20.6	37.8	-	-	23.8	16.5	56.5	20.9	-	176.1
Lincoln	123.5	26.3	-	-	-	26.3	27.9	12.6	-	216.6
Oxford	200.2	288.4	-	-	51.4	12.9	505.2	54.7	12.2	1,125.0
Penobscot	228.3	986.6	-	-	-	62.6	493.2	76.3	13.2	1,860.2
Piscataquis	38.1	1,386.9	-	-	-	25.3	747.2	49.4	-	2,246.9
Sagadahoc	61.1	11.8	-	-	23.7	-	25.7	9.4	-	131.7
Somerset	146.8	1,106.1	-	-	-	36.2	823.2	173.2	-	2,285.5
Waldo	61.2	173.2	-	12.0	25.7	24.9	51.5	24.9	-	373.4
Washington	82.2	929.4	-	-	20.9	31.0	205.1	154.5	10.3	1,433.4
York	264.8	14.4	13.7	14.4	54.2	27.1	64.0	40.1	27.1	519.8
All counties	1,905.7	8,378.3	13.7	26.4	271.0	344.5	4,886.4	969.8	86.4	16,882.2

Table 153.--Area of timberland by county and forest-type group, Maine, 1982

(In thousands of acres)

County	Forest-type group								All groups
	White/ red pine	Spruce/ fir	Loblolly/ shortleaf	Oak/ pine	Oak/ hickory	Elm/ash/ red maple	Northern hardwoods	Aspen/ birch	
Androscoggin	90.2	12.9	-	4.3	12.8	4.3	59.4	30.2	214.1
Aroostook	42.3	2,237.6	-	-	-	59.7	1,032.7	396.1	3,768.4
Cumberland	263.9	13.2	-	8.3	25.2	8.2	79.5	8.2	406.5
Franklin	52.1	389.6	-	-	-	-	458.0	114.5	1,014.2
Hancock	92.9	403.0	-	-	18.9	9.5	186.0	66.0	776.3
Kennebec	184.6	19.9	-	4.0	16.0	12.1	112.0	52.2	400.8
Knox	25.0	65.3	-	-	16.7	-	41.6	16.8	165.4
Lincoln	96.5	49.8	-	-	34.3	11.9	27.8	3.8	224.1
Oxford	287.3	234.1	-	10.6	31.8	5.4	506.5	114.9	1,190.6
Penobscot	315.2	805.1	-	-	-	47.9	504.9	199.6	1,872.7
Piscataquis	96.1	1,357.9	-	-	10.5	10.5	658.6	104.5	2,238.1
Sagadahoc	57.7	4.4	-	4.8	13.8	4.5	35.0	4.5	124.7
Somerset	175.9	1,255.9	-	-	10.4	20.7	747.1	124.5	2,334.5
Waldo	52.7	108.8	-	-	12.0	7.7	141.2	39.7	362.1
Washington	95.0	804.7	-	-	21.6	32.1	318.5	182.3	1,454.2
York	267.3	8.3	8.3	4.2	82.5	3.7	92.1	47.1	513.5
All counties	2,194.7	7,770.5	8.3	36.2	306.5	238.2	5,000.9	1,504.9	17,060.2

Table 154.--Area of timberland by county and stand-size class, Maine, 1971

(In thousands of acres)

County	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Androscoggin	63.2	84.4	69.5	-	217.1
Aroostook	1,952.1	1,173.5	615.7	-	3,741.3
Cumberland	157.9	153.6	109.6	-	421.1
Franklin	308.6	558.5	142.7	-	1,009.8
Hancock	207.2	270.4	242.0	-	719.6
Kennebec	104.8	72.9	227.0	-	404.7
Knox	70.1	32.5	73.5	-	176.1
Lincoln	50.6	83.0	83.0	-	216.6
Oxford	375.5	493.8	243.5	12.2	1,125.0
Penobscot	800.9	645.4	413.9	-	1,860.2
Piscataquis	1,234.6	636.6	375.7	-	2,246.9
Sagadahoc	35.3	35.7	60.7	-	131.7
Somerset	975.8	969.8	339.9	-	2,285.5
Waldo	76.4	128.2	168.8	-	373.4
Washington	399.4	713.7	320.3	-	1,433.4
York	222.0	41.9	255.9	-	519.8
All counties	7,034.4	6,093.9	3,741.7	12.2	16,882.2

Table 155.--Area of timberland by county and stand-size class, Maine, 1982

(In thousands of acres)

County	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Androscoggin	86.1	98.7	29.3	-	214.1
Aroostook	2,114.1	1,254.1	391.8	8.4	3,768.4
Cumberland	221.8	146.5	33.2	5.0	406.5
Franklin	391.3	544.8	78.1	-	1,014.2
Hancock	346.9	307.3	112.4	9.7	776.3
Kennebec	196.2	184.1	20.5	-	400.8
Knox	89.2	55.2	21.0	-	165.4
Lincoln	111.5	69.8	42.8	-	224.1
Oxford	521.2	566.4	103.0	-	1,190.6
Penobscot	890.5	849.7	123.5	9.0	1,872.7
Piscataquis	1,284.6	668.1	285.4	-	2,238.1
Sagadahoc	77.5	35.0	12.2	-	124.7
Somerset	1,256.8	839.7	238.0	-	2,334.5
Waldo	105.1	200.7	56.3	-	362.1
Washington	549.3	613.6	291.3	-	1,454.2
York	275.2	162.1	76.2	-	513.5
All counties	8,517.3	6,595.8	1,915.0	32.1	17,060.2

Table 156.--Area of timberland by county, and potential site productivity class, Maine, 1982

(In thousands of acres)

County	Potential site productivity class				All classes
	Poor	Fair	Good	Very good	
Androscoggin	72.9	115.5	21.4	4.3	214.1
Aroostook	1,416.6	1,877.1	448.9	25.8	3,768.4
Cumberland	157.1	228.3	21.1	-	406.5
Franklin	345.5	565.3	82.9	20.5	1,014.2
Hancock	393.7	326.8	55.8	-	776.3
Kennebec	160.7	156.3	63.8	20.0	400.8
Knox	79.0	74.0	12.4	-	165.4
Lincoln	95.6	120.9	7.6	-	224.1
Oxford	682.0	383.2	114.8	10.6	1,190.6
Penobscot	887.4	909.1	76.2	-	1,872.7
Piscataquis	800.6	1,283.5	154.0	-	2,238.1
Sagadahoc	66.6	53.6	4.5	-	124.7
Somerset	1,027.7	1,089.2	217.6	-	2,334.5
Waldo	265.8	68.3	24.0	4.0	362.1
Washington	466.9	880.7	74.5	32.1	1,454.2
York	244.2	227.6	41.7	-	513.5
All counties	7,162.3	8,359.4	1,421.2	117.3	17,060.2

Table 157.--Area of timberland by county and cubic foot stand-volume class, Maine, 1982

(In thousands of acres)

County	Stand-volume class (cubic feet per acre)						Total
	0- 499	500- 999	1000- 1499	1500- 1999	2000- 2499	2500+	
Androscoggin	37.7	46.9	47.2	38.8	26.3	17.2	214.1
Aroostook	459.8	576.9	797.1	730.5	710.6	493.5	3,768.4
Cumberland	50.7	79.5	104.4	92.2	37.9	41.8	406.5
Franklin	87.3	154.6	252.3	271.7	144.7	103.6	1,014.2
Hancock	140.1	204.8	158.6	131.4	85.7	55.7	776.3
Kennebec	36.4	91.8	112.1	84.2	40.2	36.1	400.8
Knox	25.2	20.9	32.3	35.2	32.2	19.6	165.4
Lincoln	46.7	39.2	58.0	37.9	15.4	26.9	224.1
Oxford	110.3	272.3	254.9	297.8	159.5	95.8	1,190.6
Penobscot	227.5	400.1	421.4	450.4	228.9	144.4	1,872.7
Piscataquis	230.9	354.7	389.2	471.3	397.8	394.2	2,238.1
Sagadahoc	25.9	25.9	27.5	22.7	13.8	8.9	124.7
Somerset	248.4	341.4	487.5	561.0	384.0	312.2	2,334.5
Waldo	79.6	87.9	80.9	72.8	32.7	8.2	362.1
Washington	355.8	349.6	326.9	232.1	147.7	42.1	1,454.2
York	112.8	70.8	104.2	87.7	71.1	66.9	513.5
All counties	2,275.1	3,117.3	3,654.5	3,617.7	2,528.5	1,867.1	17,060.2

Table 158.--Area of timberland by county and green ton stand-volume class, Maine, 1982

(In thousands of acres)

County	Stand-volume class (green tons per acre)				All classes
	0-49	50-99	100-149	150+	
Androscoggin	41.9	85.6	73.7	12.9	214.1
Aroostook	827.0	1,564.2	1,226.1	151.1	3,768.4
Cumberland	67.4	175.4	138.7	25.0	406.5
Franklin	127.9	502.8	321.4	62.1	1,014.2
Hancock	149.2	354.4	216.8	55.9	776.3
Kennebec	44.4	208.0	124.3	24.1	400.8
Knox	33.6	48.9	70.5	12.4	165.4
Lincoln	51.1	92.8	60.9	19.3	224.1
Oxford	214.6	571.8	372.2	32.0	1,190.6
Penobscot	360.9	841.0	584.0	86.8	1,872.7
Piscataquis	445.5	849.7	767.6	175.3	2,238.1
Sagadahoc	47.4	41.3	31.6	4.4	124.7
Somerset	403.6	850.8	944.3	135.8	2,334.5
Waldo	95.4	125.3	121.0	20.4	362.1
Washington	398.0	675.9	359.2	21.1	1,454.2
York	105.3	182.5	154.6	71.1	513.5
All counties	3,413.2	7,170.4	5,566.9	909.7	17,060.2

Table 159.--Area of timberland by county and stocking class of growing-stock trees, Maine, 1982

(In thousands of acres)

County	Stocking class					All classes
	Nonstocked	Poorly stocked	Moderately stocked	Fully stocked	Over-stocked	
Androscoggin	-	12.5	21.3	59.9	120.4	214.1
Aroostook	16.8	221.9	692.6	872.8	1,964.3	3,768.4
Cumberland	9.1	37.6	62.6	138.1	159.1	406.5
Franklin	8.6	49.7	163.3	369.3	423.3	1,014.2
Hancock	9.7	55.6	167.5	215.4	328.1	776.3
Kennebec	-	24.3	71.9	104.3	200.3	400.8
Knox	-	12.6	20.8	50.1	81.9	165.4
Lincoln	-	16.2	30.7	111.8	65.4	224.1
Oxford	.0	26.9	212.4	367.9	583.4	1,190.6
Penobscot	9.0	152.4	372.3	523.9	815.1	1,872.7
Piscataquis	10.6	118.6	405.4	485.2	1,218.3	2,238.1
Sagadahoc	-	17.6	26.3	45.2	35.6	124.7
Somerset	.0	124.2	269.3	716.1	1,224.9	2,334.5
Waldo	-	31.1	64.4	72.4	194.2	362.1
Washington	11.3	141.1	349.9	327.1	624.8	1,454.2
York	4.1	48.6	79.2	172.3	209.3	513.5
All counties	79.2	1,090.9	3,009.9	4,631.8	8,248.4	17,060.2

Table 160.--Net volume of growing-stock trees on timberland by county and forest-type group, Maine, 1982

(In millions of cubic feet)

County	Forest-type group								All groups
	White/ red pine	Spruce/ fir	Loblolly/ shortleaf	Oak/ pine	Oak/ hickory	Elm/ash/ red maple	Northern hardwoods	Aspen/ birch	
Androscoggin	156.6	12.0	-	8.3	15.2	4.9	45.0	44.7	286.7
Aroostook	48.8	3,721.4	-	-	-	35.9	1,155.0	387.9	5,349.0
Cumberland	412.6	6.7	-	9.2	33.3	1.0	78.7	3.7	545.2
Franklin	98.0	619.6	-	-	-	-	585.8	139.5	1,442.9
Hancock	162.4	550.8	-	-	5.6	4.5	131.9	69.1	924.3
Kennebec	255.8	24.6	-	10.1	18.7	11.7	133.8	55.2	509.9
Knox	40.3	96.7	-	-	18.8	-	53.7	10.3	219.8
Lincoln	134.2	69.8	-	-	40.9	9.8	24.3	3.7	282.7
Oxford	444.2	319.0	-	12.8	23.3	1.3	675.2	109.6	1,585.4
Penobscot	466.3	1,007.0	-	-	-	24.7	478.8	228.9	2,205.7
Piscataquis	158.0	2,339.8	-	-	23.9	8.3	821.2	99.7	3,450.9
Sagadahoc	75.1	1.5	-	1.9	12.9	3.2	42.8	9.1	146.5
Somerset	250.3	1,993.4	-	-	14.6	19.3	972.3	171.3	3,421.2
Waldo	63.5	141.7	-	-	21.9	1.2	132.5	36.9	397.7
Washington	137.1	831.6	-	-	16.0	15.3	259.7	99.1	1,358.8
York	476.3	12.4	2.9	.9	79.1	.9	75.5	21.4	669.4
All counties	3,379.5	11,748.0	2.9	43.2	324.2	142.0	5,666.2	1,490.1	22,796.1

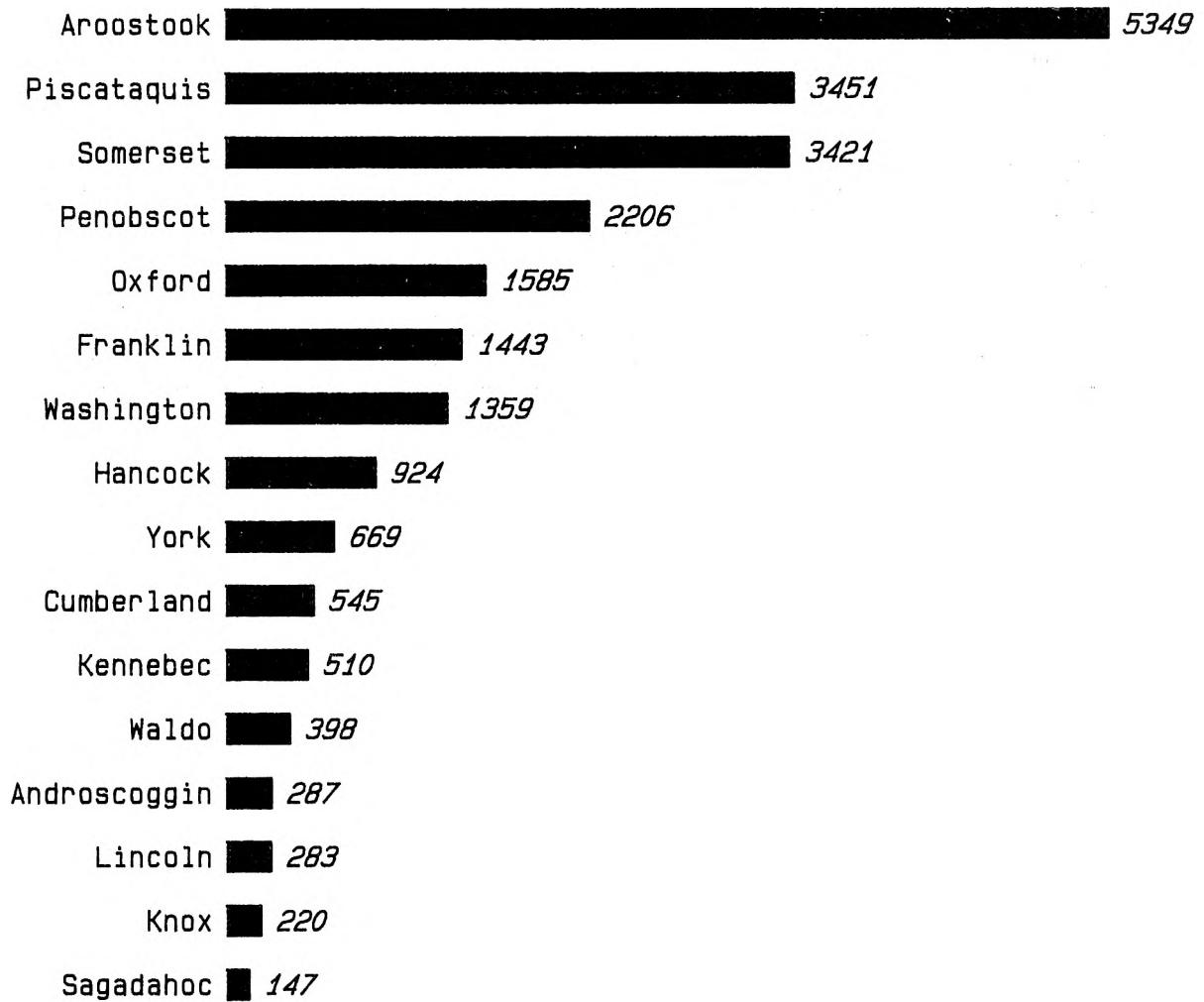
Table 161.--Net volume of growing-stock trees on timberland by county and stand-size class, Maine, 1982

(In millions of cubic feet)

County	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Androscoggin	150.3	130.8	5.6	-	286.7
Aroostook	3,701.7	1,560.1	87.2	-	5,349.0
Cumberland	370.5	166.5	8.2	-	545.2
Franklin	734.0	693.5	15.4	-	1,442.9
Hancock	589.2	312.9	22.2	-	924.3
Kennebec	309.2	199.5	1.2	-	509.9
Knox	158.3	59.7	1.8	-	219.8
Lincoln	208.3	66.8	7.6	-	282.7
Oxford	901.6	649.6	34.2	-	1,585.4
Penobscot	1,382.8	800.0	22.9	-	2,205.7
Piscataquis	2,450.0	904.1	96.8	-	3,450.9
Sagadahoc	102.2	39.9	4.4	-	146.5
Somerset	2,274.6	1,087.3	59.3	-	3,421.2
Waldo	173.9	204.6	19.2	-	397.7
Washington	772.6	556.3	29.9	-	1,358.8
York	493.8	164.3	11.3	-	669.4
All counties	14,773.0	7,595.9	427.2	-	22,796.1

County Ranking By Growing-stock Volume

Maine 1982



(In millions of cubic feet)

Table 162.--Net volume of growing-stock trees on timberland by species and county, Maine, 1971

(In millions of cubic feet)

Species	Androscoggin	Aroostook	Cumberland	Franklin	Hancock	Kennebec	Knox	Lincoln
Balsam fir	4.6	1,821.5	4.5	324.7	90.0	28.5	24.2	14.1
Tamarack	.0	30.1	.0	6.2	8.6	1.7	.0	1.2
White spruce	.0	274.9	.0	50.5	26.9	7.8	2.7	1.6
Black spruce	.0	41.0	.0	.2	5.7	.0	.0	5.1
Red spruce	2.1	1,271.3	1.5	187.2	261.8	.0	21.7	15.5
Red pine	.0	.0	3.2	.0	1.3	2.6	.0	.0
White pine	109.4	54.2	185.2	40.3	29.8	54.8	14.3	63.9
Northern white-cedar	.0	383.5	.0	20.3	86.1	6.7	.0	.7
Hemlock	24.6	88.9	107.5	6.1	69.5	46.2	13.3	24.4
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	140.7	3,965.4	301.9	635.5	579.7	148.3	76.2	126.5
Sugar maple	3.0	343.0	6.6	85.9	13.9	20.6	13.9	.0
Red maple	30.8	212.8	37.3	94.7	76.9	51.2	23.9	24.0
Yellow birch	5.4	151.5	13.3	99.0	10.8	10.7	1.2	5.5
Paper birch	31.5	103.1	14.2	107.7	41.8	9.4	10.0	18.9
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0
Beech	3.5	194.0	24.8	39.2	13.9	5.7	1.5	2.0
White ash	2.0	29.6	5.0	21.5	14.2	16.5	1.8	.0
Black ash	.0	35.5	1.0	.0	.0	4.0	3.9	.0
Aspen	19.9	273.2	4.2	106.3	14.5	18.2	4.1	5.0
White oaks	.0	.0	.9	.0	.0	.0	.0	.0
Red oaks	29.2	.0	53.6	8.0	12.1	7.9	12.4	6.1
Basswood	.0	1.2	.0	5.6	1.0	26.7	1.5	.0
Elm	.6	11.1	1.2	1.3	.0	20.5	4.5	.8
Other hardwoods	1.0	2.0	.0	2.2	.0	.0	.0	1.9
Total hardwoods	126.9	1,357.0	162.1	571.4	199.1	191.4	78.7	64.2
Total, all species	267.6	5,322.4	464.0	1,206.9	778.8	339.7	154.9	190.7

Table 162.--continued

(In millions of cubic feet)

Species	Oxford	Penobscot	Piscataquis	Sagadahoc	Somerset	Waldo	Washington	York	Total
Balsam fir	207.2	434.6	843.9	4.8	938.3	53.5	252.0	3.8	5,050.2
Tamarack	.0	10.5	3.6	.0	3.8	5.3	35.2	4.5	110.7
White spruce	21.4	38.3	91.0	.0	107.7	10.6	19.0	.0	652.4
Black spruce	.0	30.5	46.7	.0	10.5	14.0	29.8	5.1	188.6
Red spruce	162.2	464.8	1,030.6	22.0	682.5	43.9	484.6	32.9	4,684.6
Red pine	6.3	2.3	2.9	.0	1.6	1.1	10.2	.8	32.3
White pine	182.8	117.8	162.0	50.9	51.8	35.2	62.7	260.5	1,475.6
Northern white-cedar	15.0	175.0	239.4	1.0	145.0	35.0	106.0	.0	1,213.7
Hemlock	110.1	270.8	81.1	15.2	77.2	17.5	122.3	71.9	1,146.6
Other softwoods	.0	.0	.0	.0	1.6	.0	.0	.0	1.6
Total softwoods	705.0	1,544.6	2,501.2	93.9	2,020.0	216.1	1,121.8	379.5	14,556.3
Sugar maple	105.2	114.8	270.6	.0	265.4	10.1	21.1	4.5	1,278.6
Red maple	135.5	228.8	167.5	12.3	210.7 ^a	44.3	203.9	50.6	1,605.2
Yellow birch	120.6	66.4	136.5	.0	183.5	5.5	25.7	4.9	840.5
Paper birch	90.4	60.0	97.6	3.9	147.9	20.9	91.6	6.7	855.6
Gray birch	.0	.0	3.6	.0	.0	.0	.0	.0	3.6
Beech	63.5	73.5	148.7	.0	76.6	1.4	14.5	9.8	672.6
White ash	6.0	30.6	29.5	.0	17.2	5.3	11.5	.9	191.6
Black ash	3.1	22.4	15.0	.0	8.8	1.7	10.4	1.1	106.9
Aspen	25.0	59.7	46.5	2.6	96.7	9.3	60.7	2.0	747.9
White oaks	2.7	.0	.0	.0	.0	.0	.0	3.0	6.6
Red oaks	64.5	8.2	7.3	20.1	.8	17.8	12.5	40.6	301.1
Basswood	1.1	6.5	7.2	.0	16.6	.0	.0	1.3	68.7
Elm	.5	17.7	16.6	.9	11.3	15.1	.5	2.9	105.5
Other hardwoods	1.5	1.4	.8	.0	2.9	2.1	.0	10.4	26.2
Total hardwoods	619.6	690.0	947.4	39.8	1,038.4	133.5	452.4	138.7	6,810.6
Total, all species	1,324.6	2,234.6	3,448.6	133.7	3,058.4	349.6	1,574.2	518.2	21,366.9

^aIncludes 1.4 million cubic feet of silver maple.

Table 163.--Net volume of growing-stock trees on timberland by species and county, Maine, 1982

(In millions of cubic feet)

Species	Androscoggin	Aroostook	Cumberland	Franklin	Hancock	Kennebec	Knox	Lincoln
Balsam fir	20.2	1,374.3	9.1	340.5	87.2	21.9	17.3	9.5
Tamarack	1.0	42.2	.0	.3	7.3	4.4	1.8	1.5
White spruce	.0	253.7	.0	18.1	8.6	1.0	2.5	.9
Black spruce	.0	223.6	.3	23.4	16.0	.0	.0	.0
Red spruce	4.3	1,085.2	9.1	224.6	311.1	5.3	72.8	57.2
Red pine	.7	.0	9.2	1.1	7.1	.0	.0	1.2
White pine	91.3	57.2	203.9	55.2	68.9	135.2	16.5	80.8
Northern white-cedar	.0	731.9	.0	18.1	70.2	11.4	.7	.4
Hemlock	32.0	87.0	98.7	35.5	84.7	61.1	14.6	27.2
Other softwoods	.0	.3	4.3	.2	.0	.0	.0	.0
Total softwoods	149.5	3,855.4	334.6	717.0	661.1	240.3	126.2	178.7
Sugar maple	2.5	414.0	4.1	87.0	10.3	12.0	1.2	4.4
Red maple	41.3	180.0	58.6	164.0	88.3	86.1	41.7	32.0
Yellow birch	.8	158.2	5.4	130.9	19.2	7.8	1.6	3.1
Paper birch	10.4	133.0	21.9	183.5	66.1	28.7	14.1	9.4
Gray birch	2.1	.2	4.9	9.7	2.6	6.0	.2	.5
Beech	4.1	176.9	21.5	15.7	4.4	11.3	1.0	2.7
White ash	4.1	13.9	7.7	42.9	11.1	13.7	4.9	1.8
Black ash	.2	38.7	.0	4.0	3.9	.5	.1	.0
Aspen	42.4	372.8	11.5	77.4	52.6	53.5	7.8	3.9
White oaks	.0	.0	6.2	.0	.0	.2	.0	.1
Red oaks	29.1	1.1	65.8	2.5	4.7	35.4	20.7	39.6
Basswood	.0	.1	.0	3.7	.0	2.9	.0	.4
Elm	.1	4.0	.4	3.2	.0	1.9	.0	.0
Other hardwoods	.1	.7	2.6	1.4	.0	9.6	.3	6.1
Total hardwoods	137.2	1,493.6	210.6	725.9	263.2	269.6	93.6	104.0
Total, all species	286.7	5,349.0	545.2	1,442.9	924.3	509.9	219.8	282.7

Table 163.--continued

(In millions of cubic feet)

Species	Oxford	Penobscot	Piscataquis	Sagadahoc	Somerset	Waldo	Washington	York	Total
Balsam fir	249.8	218.5	670.3	4.9	819.8	43.7	139.5	5.3	4,031.8
Tamarack	1.3	15.5	11.8	1.2	4.4	9.5	12.0	.9	115.1
White spruce	26.1	33.1	85.5	.0	68.7	11.5	45.3	.6	555.6
Black spruce	2.5	13.9	80.9	.0	61.8	.9	26.8	1.4	451.5
Red spruce	199.2	441.2	1,134.3	5.1	774.9	32.1	406.1	10.3	4,772.8
Red pine	12.0	19.5	.0	.0	10.6	.0	4.1	2.9	68.4
White pine	225.0	133.3	155.3	52.6	113.5	37.6	57.8	251.5	1,735.6
Northern white-cedar	4.8	247.8	262.1	4.1	218.2	22.0	109.5	.0	1,701.2
Hemlock	96.4	295.7	68.6	10.0	103.3	31.6	143.7	124.6	1,314.7
Other softwoods	.0	.0	.0	.0	.0	.0	.0	6.8	11.6
Total softwoods	817.1	1,418.5	2,468.8	77.9	2,175.2	188.9	944.8	404.3	14,758.3
Sugar maple	69.4	112.7	223.7	1.1	313.4	14.9	29.4	8.9	1,309.0
Red maple	149.7	172.8	229.0	29.2	239.7	62.8	134.7	85.1	1,795.0
Yellow birch	147.2	57.5	141.6	.1	207.8	7.3	25.7	6.6	920.8
Paper birch	132.2	88.2	94.9	6.8	194.5	32.0	85.0	30.1	1,130.8
Gray birch	6.1	8.9	2.6	1.5	12.2	1.7	2.6	.9	62.7
Beech	90.0	85.6	92.2	1.9	84.3	11.4	20.6	6.1	629.7
White ash	26.8	32.7	23.4	5.0	29.9	13.0	5.3	7.9	244.1
Black ash	.8	16.5	21.7	.0	13.0	.7	8.5	.3	108.9
Aspen	90.6	179.1	140.6	4.8	135.0	42.2	93.0	19.9	1,327.1
White oaks	1.1	1.3	.0	.2	.0	.2	.0	7.6	16.9
Red oaks	50.7	3.9	5.4	17.0	6.9	19.0	9.2	86.7	397.7
Basswood	.0	8.9	5.1	.4	2.0	1.4	.0	.2	25.1
Elm	.7	16.4	.9	.1	4.1	.0	.0	.2	32.0
Other hardwoods	3.0	2.7	1.0	.5	3.2	2.2	.0	4.6	38.0
Total hardwoods	768.3	787.2	982.1	68.6	1,246.0	208.8	414.0	265.1	8,037.8
Total, all species	1,585.4	2,205.7	3,450.9	146.5	3,421.2	397.7	1,358.8	669.4	22,796.1

Table 164.--Net volume of sawtimber trees on timberland by county and forest-type group, Maine, 1982

(In millions of board feet)^a

County	Forest-type group								All groups
	White/red pine	Spruce/fir	Loblolly/shortleaf	Oak/pine	Oak/hickory	Elm/ash/red maple	Northern hardwoods	Aspen/birch	
Androscoggin	452.4	22.0	-	7.5	13.0	7.9	91.7	51.7	646.2
Aroostook	145.6	7,479.9	-	-	-	52.8	2,992.0	486.0	11,156.3
Cumberland	1,116.7	11.0	-	13.8	56.3	.6	128.5	-	1,326.9
Franklin	304.8	1,071.4	-	-	-	-	1,060.0	233.9	2,670.1
Hancock	455.3	1,089.0	-	-	20.1	8.5	211.4	37.4	1,821.7
Kennebec	756.9	38.7	-	10.9	27.9	19.5	215.1	41.5	1,110.5
Knox	106.5	209.9	-	-	52.8	-	106.9	11.4	487.5
Lincoln	369.3	206.8	-	-	102.8	9.6	44.1	4.5	737.1
Oxford	942.2	611.2	-	30.3	40.9	-	1,379.6	91.0	3,095.2
Penobscot	1,247.2	2,007.0	-	-	-	79.9	981.3	276.6	4,592.0
Piscataquis	420.0	5,090.3	-	-	76.6	3.3	2,087.0	111.3	7,788.5
Sagadahoc	260.9	3.4	-	6.9	29.7	1.5	56.4	5.8	364.6
Somerset	560.4	3,719.7	-	-	20.9	24.9	2,261.8	228.5	6,816.2
Waldo	133.5	242.5	-	-	42.7	.8	180.5	28.0	628.0
Washington	327.7	1,577.3	-	-	7.3	32.2	466.6	196.5	2,607.6
York	1,512.0	32.6	9.5	.3	152.2	3.3	100.4	18.7	1,829.0
All counties	9,111.4	23,412.7	9.5	69.7	643.2	244.8	12,363.3	1,822.8	47,677.4

^aInternational 1/4-inch rule.

Table 165.--Net volume of sawtimber trees on timberland by county and stand-size class, Maine, 1982

(In millions of board feet)^a

County	Stand-size class				All classes
	Sawtimber	Poletimber	Sapling and seedling	Nonstocked	
Androscoggin	491.6	151.8	2.8	-	646.2
Aroostook	9,309.9	1,719.5	126.9	-	11,156.3
Cumberland	1,096.2	213.7	17.0	-	1,326.9
Franklin	1,878.9	773.0	18.2	-	2,670.1
Hancock	1,484.2	310.0	27.5	-	1,821.7
Kennebec	902.0	207.2	1.3	-	1,110.5
Knox	426.0	60.9	.6	-	487.5
Lincoln	629.0	97.8	10.3	-	737.1
Oxford	2,209.3	841.4	44.5	-	3,095.2
Penobscot	3,539.3	1,022.1	30.6	-	4,592.0
Piscataquis	6,504.4	1,100.4	183.7	-	7,788.5
Sagadahoc	325.9	36.1	2.6	-	364.6
Somerset	5,574.5	1,168.0	73.7	-	6,816.2
Waldo	409.4	194.4	24.2	-	628.0
Washington	1,895.9	660.6	51.1	-	2,607.6
York	1,632.4	187.7	8.9	-	1,829.0
All counties	38,308.9	8,744.6	623.9	-	47,677.4

^aInternational 1/4-inch rule.

Table 166.--Net volume of sawtimber trees on timberland by species and county, Maine, 1971

(In millions of board feet)^a

Species	Androscoggin	Aroostook	Cumberland	Franklin	Hancock	Kennebec	Knox	Lincoln
Balsam fir	13.2	2,328.3	5.3	333.2	32.4	16.6	.0	10.6
Tamarack	.0	75.8	.0	21.9	15.4	.0	.0	4.8
White spruce	.0	562.0	.0	107.7	53.5	31.3	12.6	.0
Black spruce	.0	26.7	.0	.0	6.1	.0	.0	11.6
Red spruce	4.6	3,048.3	2.5	293.3	564.7	.0	48.7	30.1
Red pine	.0	.0	5.2	.0	4.3	5.3	.0	.0
White pine	383.3	230.9	667.9	141.0	110.9	212.1	21.3	210.2
Northern white-cedar	.0	607.2	.0	21.9	97.5	5.9	.0	2.2
Hemlock	51.8	258.9	290.0	12.6	161.9	131.3	20.1	82.2
Other softwoods	.0	.0	.0	.0	.0	.0	.0	.0
Total softwoods	452.9	7,138.1	970.9	931.6	1,046.7	402.5	102.7	351.7
Sugar maple	.0	1,018.7	16.1	191.3	21.2	25.7	12.0	.0
Red maple	11.4	453.0	30.7	135.5	95.8	60.4	35.3	22.8
Yellow birch	8.8	365.8	8.5	247.5	33.4	19.5	.0	25.8
Paper birch	24.8	127.5	10.2	112.6	20.7	16.9	17.5	22.7
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0
Beech	.0	484.5	13.1	56.9	23.5	10.3	.0	.0
White ash	11.6	57.0	8.9	42.1	23.9	25.7	3.8	.0
Black ash	.0	79.6	.0	.0	.0	.0	9.4	.0
Aspen	.0	463.4	5.0	135.2	9.5	24.6	.0	5.5
White oaks	.0	.0	4.2	.0	.0	.0	.0	.0
Red oaks	63.5	.0	155.5	19.6	9.4	5.1	36.1	9.1
Basswood	.0	3.2	.0	21.8	3.7	23.8	6.4	.0
Elm	.0	11.7	.0	4.1	.0	52.0	21.2	.0
Other hardwoods	.0	.0	.0	9.8	.0	.0	.0	.0
Total hardwoods	120.1	3,064.4	252.2	976.4	241.1	264.0	141.7	85.9
Total, all species	573.0	10,202.5	1,223.1	1,908.0	1,287.8	666.5	244.4	437.6

^aInternational 1/4-inch rule.

Table 166.--continued

(In millions of board feet)^a

Species	Oxford	Penobscot	Piscataquis	Sagadahoc	Somerset	Waldo	Washington	York	Total
Balsam fir	279.8	380.0	734.1	.0	898.2	46.6	132.7	4.3	5,215.3
Tamarack	.0	13.1	4.6	.0	6.6	14.7	46.4	.0	203.3
White spruce	35.0	60.0	197.6	.0	260.1	12.9	37.9	.0	1,370.6
Black spruce	.0	12.3	34.8	.0	8.8	.0	14.5	.0	114.8
Red spruce	299.9	927.8	1,824.2	41.4	1,052.0	65.1	886.6	52.6	9,141.8
Red pine	23.5	3.3	8.4	.0	4.2	5.7	41.8	.0	101.7
White pine	598.3	455.4	619.4	173.4	176.6	123.7	255.8	776.5	5,156.7
Northern white-cedar	22.2	193.4	413.8	.0	248.2	31.1	116.9	.0	1,760.3
Hemlock	257.6	562.3	174.9	32.3	168.5	31.2	235.8	162.9	2,634.3
Other softwoods	.0	.0	.0	.0	4.6	.0	.0	.0	4.6
Total softwoods	1,516.3	2,607.6	4,011.8	247.1	2,827.8	331.0	1,768.4	996.3	25,703.4
Sugar maple	291.4	299.0	868.6	.0	859.7	20.8	48.7	13.9	3,687.1
Red maple	170.0	439.3	248.6	6.4	224.1 ^b	41.4	286.3	59.9	2,320.9
Yellow birch	292.4	138.6	413.5	.0	452.9	21.8	35.5	8.9	2,072.9
Paper birch	90.6	81.6	144.0	5.0	160.8	6.8	78.7	4.2	924.6
Gray birch	.0	.0	.0	.0	.0	.0	.0	.0	.0
Beech	74.5	115.0	224.2	.0	165.3	5.0	11.2	20.4	1,203.9
White ash	7.2	35.6	56.2	.0	15.0	.0	38.0	.0	325.0
Black ash	12.6	61.8	31.8	.0	12.5	.0	24.7	.0	232.4
Aspen	33.4	45.1	37.8	.0	94.8	5.0	59.6	.0	918.9
White oaks	3.4	.0	.0	.0	.0	.0	.0	10.4	18.0
Red oaks	142.5	18.9	28.3	36.4	.0	51.6	16.0	64.1	656.1
Basswood	6.5	22.3	33.3	.0	45.7	.0	.0	5.0	171.7
Elm	.0	42.9	60.3	.0	19.3	55.5	.0	9.8	276.8
Other hardwoods	.0	2.5	2.9	.0	11.3	2.4	.0	2.8	31.7
Total hardwoods	1,124.5	1,302.6	2,149.5	47.8	2,061.4	210.3	598.7	199.4	12,840.0
Total, all species	2,640.8	3,910.2	6,161.3	294.9	4,889.2	541.3	2,367.1	1,195.7	38,543.4

^aInternational 1/4-inch rule.^bIncludes 5.0 million board feet of silver maple.

Table 167.--Net volume of sawtimber trees on timberland by species and county, Maine, 1982

(In millions of board feet)^a

Species	Androscoggin	Aroostook	Cumberland	Franklin	Hancock	Kennebec	Knox	Lincoln
Balsam fir	37.2	2,174.0	7.7	571.5	54.0	20.2	14.1	1.4
Tamarack	3.4	127.5	.0	1.2	20.3	15.2	5.2	2.1
White spruce	.0	567.6	.0	37.5	16.3	.5	9.9	1.8
Black spruce	.0	208.0	.8	55.5	17.6	.0	.0	.0
Red spruce	9.8	2,880.0	20.6	518.0	780.2	16.6	186.3	181.8
Red pine	3.2	.0	31.0	4.8	27.2	.0	.0	4.9
White pine	358.5	228.8	694.4	200.9	262.9	519.9	65.5	289.9
Northern white-cedar	.0	1,521.1	.0	50.7	125.3	8.5	2.0	.0
Hemlock	92.5	274.7	319.6	100.0	240.1	205.9	42.9	84.6
Other softwoods	.0	.0	11.2	.0	.0	.0	.0	.0
Total softwoods	504.6	7,981.7	1,085.3	1,540.1	1,543.9	786.8	325.9	566.5
Sugar maple	7.8	1,213.8	5.9	137.5	25.0	10.0	1.4	6.0
Red maple	52.3	285.8	48.2	224.4	98.1	122.6	68.2	44.3
Yellow birch	2.1	397.9	5.3	305.0	14.7	12.0	.0	3.4
Paper birch	3.7	79.3	22.8	208.3	28.4	22.2	10.9	14.2
Gray birch	3.4	.0	.9	9.5	2.6	2.7	.0	.6
Beech	4.3	478.5	29.5	19.4	5.9	16.9	2.0	1.1
White ash	.0	27.5	8.1	68.9	26.2	13.9	15.2	1.4
Black ash	.0	70.6	.0	2.6	7.8	.0	.0	.0
Aspen	27.7	605.9	5.4	127.5	57.2	50.6	1.7	3.8
White oaks	.0	.0	6.8	.0	.0	.0	.0	.0
Red oaks	40.3	3.1	105.3	10.7	11.9	49.0	62.2	93.4
Basswood	.0	.0	.0	10.1	.0	8.8	.0	.0
Elm	.0	9.1	.0	6.1	.0	2.1	.0	.0
Other hardwoods	.0	3.1	3.4	.0	.0	12.9	.0	2.4
Total hardwoods	141.6	3,174.6	241.6	1,130.0	277.8	323.7	161.6	170.6
Total, all species	646.2	11,156.3	1,326.9	2,670.1	1,821.7	1,110.5	487.5	737.1

^aInternational 1/4-inch rule.

Table 167.--continued

(In millions of board feet)^a

Species	Oxford	Penobscot	Piscataquis	Sagadahoc	Somerset	Waldo	Washington	York	Total
Balsam fir	457.0	186.5	904.6	4.6	1,264.6	28.8	127.1	8.5	5,861.8
Tamarack	3.1	26.7	19.9	2.5	11.5	27.4	27.9	3.4	297.3
White spruce	46.7	69.9	179.5	.0	122.0	29.0	53.7	.0	1,134.4
Black spruce	.0	19.8	202.7	.0	52.5	.8	21.2	.0	578.9
Red spruce	380.4	1,124.1	2,757.3	19.6	1,718.2	77.4	972.3	31.6	11,674.2
Red pine	46.3	72.5	.0	.0	23.3	.0	15.0	7.8	236.0
White pine	714.5	546.4	685.2	208.2	402.8	124.8	231.9	985.6	6,520.2
Northern white-cedar	3.0	348.2	666.4	6.3	518.5	28.6	175.7	.0	3,454.3
Hemlock	247.9	751.1	176.8	35.6	282.9	81.7	331.3	420.4	3,688.0
Other softwoods	.0	.0	.0	.0	.0	.0	.0	21.3	32.5
Total softwoods	1,898.9	3,145.2	5,592.4	276.8	4,396.3	398.5	1,956.1	1,478.6	33,477.6
Sugar maple	152.7	284.1	688.0	4.9	830.0	13.0	66.9	12.6	3,459.6
Red maple	189.7	299.0	432.9	26.9	376.6	66.7	186.4	68.8	2,590.9
Yellow birch	395.6	94.8	373.0	.0	532.0	10.4	37.4	2.2	2,185.8
Paper birch	117.8	86.6	121.9	2.5	210.1	17.8	81.5	21.8	1,049.8
Gray birch	1.4	.0	.0	.0	5.1	.0	.0	.0	26.2
Beech	122.1	121.9	180.6	3.0	170.1	9.3	41.8	8.6	1,215.0
White ash	68.4	65.7	35.9	.0	35.7	20.9	6.1	15.4	409.3
Black ash	.0	33.9	31.4	.0	13.4	.0	9.8	.0	169.5
Aspen	54.3	336.6	293.0	.8	216.8	50.4	213.2	15.5	2,060.4
White oaks	.0	.0	.0	.0	.0	.0	.0	16.4	23.2
Red oaks	94.3	11.6	23.8	49.7	14.7	38.2	8.4	178.9	795.5
Basswood	.0	31.5	12.1	.0	4.9	2.8	.0	.9	71.1
Elm	.0	76.9	.0	.0	8.3	.0	.0	.0	102.5
Other hardwoods	.0	4.2	3.5	.0	2.2	.0	.0	9.3	41.0
Total hardwoods	1,196.3	1,446.8	2,196.1	87.8	2,419.9	229.5	651.5	350.4	14,199.8
Total, all species	3,095.2	4,592.0	7,788.5	364.6	6,816.2	628.0	2,607.6	1,829.0	47,677.4

^aInternational 1/4-inch rule.

Table 168.--Net volume suitable for pulpwood on timberland by species and county, Maine, 1982

(In thousands of cords)^a

Species	Androscoggin	Aroostook	Cumberland	Franklin	Hancock	Kennebec	Knox	Lincoln
Balsam fir	227	16,970	110	4,274	1,194	277	216	121
Tamarack	13	530	0	4	98	57	21	19
White spruce	1	3,143	0	219	102	14	31	13
Black spruce	0	2,713	4	281	192	0	0	0
Red spruce	50	13,242	104	2,728	3,848	67	925	744
Red pine	7	0	108	12	83	3	0	15
White pine	1,084	728	2,772	752	893	1,834	232	1,129
Northern white-cedar	0	10,014	0	235	923	144	14	6
Hemlock	377	1,172	1,162	465	1,120	774	195	360
Other softwoods	0	4	59	2	0	0	0	0
Total softwoods	1,759	48,516	4,319	8,972	8,453	3,170	1,634	2,407
Hard maples	38	5,699	50	1,133	190	170	16	61
Soft maples	554	2,716	802	2,183	1,429	1,146	603	471
Yellow birch	14	2,297	78	1,734	369	112	27	60
Paper birch	120	1,764	267	2,306	884	364	202	135
Gray birch	41	4	81	141	55	182	4	17
Beech	50	2,980	310	267	168	152	16	57
White ash	48	188	94	536	141	179	62	23
Black ash	2	569	3	56	75	6	1	0
Aspen	495	4,686	142	985	743	687	108	51
White oaks	1	0	76	0	0	3	0	1
Red oaks	346	13	799	31	72	456	268	541
Basswood	0	1	2	44	0	37	0	6
Elm	2	73	6	45	0	33	0	0
Other comm. hardwoods	1	10	43	21	11	144	6	87
Noncomm. hardwoods	7	140	20	153	23	36	18	28
Total hardwoods	1,719	21,140	2,773	9,635	4,160	3,707	1,331	1,538
Total, all species	3,478	69,656	7,092	18,607	12,613	6,877	2,965	3,945

^aOne cord is equivalent to 85 cubic feet of solid wood.

Table 168.--continued

(In thousands of cords)

Species	Oxford	Penobscot	Piscataquis	Sagadahoc	Somerset	Waldo	Washington	York	Total
Balsam fir	2,978	2,960	8,252	52	10,037	495	2,567	78	50,808
Tamarack	15	246	159	16	51	105	161	11	1,506
White spruce	302	426	1,052	0	837	131	594	7	6,872
Black spruce	32	169	1,003	0	730	10	359	16	5,509
Red spruce	2,413	5,585	13,697	58	9,281	346	5,425	125	58,638
Red pine	139	245	0	0	176	0	59	34	881
White pine	2,821	2,038	1,913	654	1,386	517	776	3,461	22,990
Northern white-cedar	75	3,588	3,589	48	2,933	289	1,542	0	23,400
Hemlock	1,200	3,982	923	117	1,271	427	1,998	1,592	17,135
Other softwoods	7	0	0	0	0	0	0	92	164
Total softwoods	9,982	19,239	30,588	945	26,702	2,320	13,481	5,416	187,903
Hard maples	960	1,626	2,882	19	4,160	203	435	122	17,764
Soft maples	2,089	2,719	3,076	381	3,253	858	2,160	1,245	25,685
Yellow birch	1,990	903	1,916	0	2,822	104	418	96	12,940
Paper birch	1,632	1,276	1,195	75	2,435	380	1,177	359	14,571
Gray birch	89	212	45	28	179	60	47	20	1,205
Beech	1,309	1,490	1,376	21	1,322	169	354	97	10,138
White ash	320	465	279	54	362	147	83	97	3,078
Black ash	9	338	277	0	178	12	188	7	1,721
Aspen	1,092	2,543	1,700	51	1,662	497	1,335	254	17,031
White oaks	23	19	0	2	0	8	0	120	253
Red oaks	625	75	71	186	83	225	117	1,071	4,979
Basswood	0	117	61	3	26	26	0	3	326
Elm	8	249	11	1	49	3	0	3	483
Other comm. hardwoods	58	65	17	9	87	36	0	71	666
Noncomm. hardwoods	207	93	152	9	215	28	23	3	1,155
Total hardwoods	10,411	12,190	13,058	839	16,833	2,756	6,337	3,568	111,995
Total, all species	20,393	31,429	43,646	1,784	43,535	5,076	19,818	8,984	299,898

Table 169.--Sampling errors for various county and geographic unit estimates, Maine, 1971 and 1982

(In percent)

County and geographic unit	Area			Number of growing-stock trees 1982	Volume					
	Forest land 1982	Timberland			Green weight 1982	Growing-stock trees		Sawtimber trees		Pulpwood 1982
		1971	1982			1971	1982	1971	1982	
Aroostook County	.8	.9	.9	2.7	1.9	2.2	2.7	3.3	4.2	2.3
Capital Region:										
Kennebec County	2.2	2.3	2.0			8.0	4.5	12.1	7.5	5.2
Knox County	3.5	3.1	3.2			15.7	7.8	25.9	10.4	8.9
Lincoln County	3.4	3.4	2.9			13.7	7.3	18.6	10.2	8.9
Waldo County	1.9	3.2	2.1			8.2	5.1	12.0	8.4	5.9
Total	1.3	1.5	1.2	3.2	2.8	5.2	2.9	7.7	4.5	
Casco Bay:										
Androscoggin County	3.4	5.1	3.0			10.6	6.5	6.1	10.1	7.8
Cumberland County	2.6	3.8	2.3			7.8	4.7	11.5	6.7	5.6
Sagadahoc County	7.8	3.2	4.7			13.9	9.3	17.3	12.6	12.3
York County	2.1	2.7	1.8			8.4	4.9	10.9	6.9	5.7
Total	1.5	1.9	1.3	3.2	2.7	4.8	2.9	6.1	4.2	
Hancock County	2.1	3.4	2.5	6.1	5.1	5.1	4.4	12.3	7.9	6.6
Penobscot County	1.5	1.4	1.1	3.9	3.2	3.2	3.2	5.2	4.4	3.8
Piscataquis County	.8	.7	.6	4.3	3.2	2.8	3.0	3.8	4.2	3.8
Somerset County	.7	1.3	.5	3.7	2.8	3.3	2.6	4.5	4.0	3.2
Washington County	1.7	1.1	.9	5.0	3.6	3.9	4.2	7.0	6.4	4.6
Western Maine:										
Franklin County	.4	1.8	1.1			4.8	3.5	8.1	6.4	4.4
Oxford County	1.5	2.2	1.2			4.3	3.7	8.0	6.3	4.5
Total	.8	1.4	.8	3.3	2.6	3.2	2.6	5.8	4.5	
All counties	.4	.4	.3	1.3	1.0	1.1	1.1	1.7	1.6	1.2

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Appendix

Definition of terms

Acceptable tree. (a) Live sawtimber trees that do not qualify as preferred trees but are not cull trees. (b) Live poletimber trees that prospectively will not qualify as preferred trees, but are not now or prospectively cull trees.

Accretion. The estimated net growth on growing-stock trees that were measured during the previous inventory, divided by the number of growing seasons between surveys. It does not include the growth on trees that were cut during the period, nor those trees that died.

Basal area class. A classification of forest land in terms of basal area (cross sectional area of a tree stem at breast height in square feet per acre) of all live trees of all sizes.

Board foot. A unit of lumber measurement 1 foot long, 1 foot wide, and 1 inch thick, or its equivalent.

Board foot stand-volume class. A classification of forest land in terms of net board foot volume of sawtimber trees per acre.

Cabin log. A relatively slender roundwood product that is cut to standard sizes; meets specifications of strength, straightness, and soundness; and is finished for use in constructing cabins, barns, and other buildings.

Coarse residues. Manufacturing residues suitable for chipping, such as slabs, edgings, and veneer cores.

Commercial species. Tree species presently or prospectively suitable for industrial wood

products. Excludes species of typically small size, poor form, or inferior quality, such as hawthorn and sumac.

Cord. (See Standard cord.)

County and municipal lands. Lands owned by counties and local public agencies or municipalities or leased to them for 50 years or more.

Cubic foot stand-volume class. A classification of forest land in terms of net cubic-foot volume of all live trees per acre.

Cull tree. A rough tree or a rotten tree.

Cull increment. The net volume of growing-stock trees on the previous inventory that became rough or rotten trees in the current inventory, divided by the number of growing seasons between surveys.

Diameter at breast height (dbh). The diameter outside bark of a standing tree measured at 4-1/2 feet above the ground.

Farmer-owned lands. Lands owned by farm operators, whether part of the farmstead or not. Excludes land leased by farm operators from nonfarm owners.

Federal lands. Lands (other than National Forests) administered by Federal agencies.

Fine residues. Manufacturing residues not suitable for chipping, such as sawdust and shavings.

Forest industry lands. Lands owned by companies or individuals that operate primary wood-using plants.

Forest land. Land that is at least 10 percent stocked with trees of any size, or that formerly had such tree cover and is not currently developed for nonforest use. The minimum area for classification of forest land is 1 acre.

Forest type. A classification of forest land by species that form a plurality of live tree basal area stocking.

Forest-type group. A combination of forest types that share closely associated species or site requirements. The many forest types in Maine were combined into the following major forest-type groups (the descriptions apply to forests in Maine):

a. White/red pine--forests in which white pine, hemlock, or red pine, singly or in combination, make up a plurality of the stocking; common associates include red maple, red spruce, balsam fir, northern red oak, paper birch, and aspen.

b. Spruce/fir--forests in which red spruce, northern white-cedar, balsam fir, white spruce, black spruce, or tamarack, singly or

in combination, make up a plurality of the stocking; common associates include paper birch, red maple, aspen, white pine, hemlock, yellow birch, and sugar maple.

c. Loblolly/shortleaf pine--forests in which pitch pine makes up a plurality of the stocking; gray birch is an associate of this rare type group.

d. Oak/pine--forests in which northern red oak or white ash, singly or in combination, make up a plurality of the stocking but where white pine contributes 25 to 50 percent of the stocking; beech and red spruce are associates.

e. Oak/hickory--forests in which upland oaks, red maple (when associated with central hardwoods), or hawthorn, singly or in combination, make up a plurality of the stocking and in which white pine makes up less than 75 percent of the stocking; common associates include white pine, paper birch, red spruce, beech, hemlock, and balsam fir.

f. Elm/ash/red maple--forests in which black ash, elm, red maple (when growing on wet sites), willow, or green ash, singly or in combination, make up a plurality of the stocking; common associates include balsam fir, northern white-cedar, aspen, and white ash.

g. Northern hardwoods--forests in which sugar maple, beech, yellow birch, red maple (when associated with northern hardwoods), pin cherry, or black cherry, singly or in combination, make up a plurality of the stocking; common associates include balsam fir, red spruce, paper birch, hemlock, white ash, aspen, and white pine.

h. Aspen/birch--forests in which aspen, paper birch, or gray birch, singly or in combination, make up a plurality of the stocking; common associates include balsam fir, red maple, red spruce, white spruce, and white pine.

i. Indeterminate--forests with such a mixture of species that no forest type predominates (shown for 1971 data only).

Fuelwood. Round, split, or chipped woody material (with or without bark) that is converted to household, commercial, or industrial energy.

Geographic unit. A county or a group of counties within a state that is large enough to provide an adequate sample that will yield statistically reliable estimates of timberland area, volume, and components of change.

Green ton. A unit of measure of green weight equivalent to 2,000 pounds or 907.1848 kilograms.

Green ton stand-volume class. A classification of forest land in terms of net green weight of the aboveground components of all live trees per

unit area. It is usually expressed in green tons per acre.

Green weight. The weight of wood and bark as it would be if it had been recently cut. It is usually expressed in pounds or tons.

Gross growth. The sum of accretion and ingrowth.

Growing-stock trees. Live trees of commercial species classified as sawtimber, poletimber, saplings, and seedlings; that is, all live trees of commercial species except rough and rotten trees.

Growing-stock volume. Net volume, in cubic feet, of growing-stock trees 5.0 inches dbh and larger, from a 1-foot stump to a minimum 4.0-inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs. Net volume equals gross volume, less deduction for cull.

Hardwoods. Dicotyledonous trees, usually broad-leaved and deciduous.

Indian lands. (a) Lands held in trust by the United States or States for Indian tribes or individual Indians. (b) Lands owned in fee by Indian tribes whether subject to Federal or State restrictions against alienation or not.

Industrial products. All roundwood products except fuelwood.

Ingrowth. The estimated net volume of growing-stock trees that became 5.0 inches dbh or larger during the period between inventories, divided by the number of growing seasons between surveys.

International 1/4-inch rule. A log rule, or formula, for estimating the board-foot volume of logs. The mathematical formula is:

$$(0.22D^2 - 0.71D)(0.904762)$$

for 4-foot sections, where D = diameter inside bark at the small end of the section. This rule is used as the USDA Forest Service Standard Log rule in the eastern United States.

Land area. (a) Bureau of Census: The area of dry land and land temporarily or partly covered by water, such as marshes, swamps, and river flood plains; streams, sloughs, estuaries, and canals less than 1/8 statute mile wide; and lakes, reservoirs, and ponds less than 40 acres in area. (b) Forest Inventory and Analysis: same as (a) except that the minimum width of streams, etc., is 120 feet, and the minimum size of lakes, etc., is 1 acre.

Logging residues. The unused portions of growing-stock trees harvested or killed in the process of logging.

Manufacturing plant residues. Wood materials that are generated when round timber (roundwood)

is converted into wood products. This includes slabs, edgings, trimmings, bark, miscuts, sawdust, shavings, veneer cores and clippings, and pulp screening. If these residues are used, they are referred to as plant byproducts.

Miscellaneous private lands. Privately owned lands other than forest industry and farmer-owned lands.

Mortality. The estimated net volume of growing-stock trees at the previous inventory that died from natural causes before the current inventory, divided by the number of growing seasons between surveys.

National Forest lands. Federal lands legally designated as National Forests or purchase units and other lands administered as part of the National Forest System by the USDA Forest Service.

Net change. The difference between the current and previous inventory estimates of growing-stock volume, divided by the number of growing seasons between surveys. Components of net change are ingrowth plus accretion minus mortality minus cull increment minus removals.

Net green weight. The green weight of woody material less the weight of all unsound (rotten) material.

Net growth. The change, resulting from natural causes, in growing-stock volume during the period between surveys, divided by the number of growing seasons. Components of net growth are ingrowth plus accretion minus mortality minus cull increment.

Noncommercial forest land. Productive-reserved, urban, and unproductive forest land.

Noncommercial species. Tree species of typically small size, poor form, or inferior quality that normally do not develop into trees suitable for industrial wood products.

Nonforest land. Land that has never supported forests, or land formerly forested but now in nonforest use such as cropland, pasture, residential areas, and highways.

Nonsalvable dead tree. A dead tree with most or all of its bark missing that is at least 5.0 inches in diameter at breast height and is at least 10 feet in height.

Nonstocked area. A stand-size class of forest land that is stocked with less than 10 percent of minimum full stocking with all live trees.

Ownership class. A classification of forest land based upon ownership and nature of business or control of decisionmaking for the land. It encompasses all types of legal entities having ownership interest in the land, whether public or private.

Piling (piles). Relatively slender, structural roundwood products that are cut to the maximum length possible (within top circumference and other specifications of strength, straightness, and soundness) that when nearly buried in the ground provide vertical or lateral support for buildings, foundations, bridges, docks, and other structures.

Plant byproducts. Wood products, such as pulp chips, recycled from manufacturing plant residues.

Pole. A roundwood product that is cut to standard size and meets specifications of strength, straightness, and soundness and is driven into the ground, usually to provide vertical or lateral support for electric power and telephone transmission lines.

Poletimber stand. A stand-size class of forest land that is stocked with at least 10 percent of minimum full stocking with all live trees with half or more of such stocking in poletimber or sawtimber trees or both, and in which the stocking of poletimber exceeds that of sawtimber.

Poletimber trees. Live trees of commercial species meeting regional specifications of soundness and form and at least 5.0 inches in dbh, but smaller than sawtimber trees.

Post. A short roundwood product that is used in an upright position to support fences and other similar structures.

Potential site productivity class. A classification of forest land by its inherent capacity to grow crops of industrial wood. Classifications are based on the mean annual growth of growing-stock trees attainable in fully stocked natural stands at the culmination of mean annual increment. While not exact, the relationships between the classes and productivity in terms of cubic feet per acre are: poor = 20 to 50, fair = 50 to 85, good = 85 to 120, and very good = greater than 120.

Preferred tree. A high quality tree, from a lumber viewpoint, that would be favored in cultural operations. General characteristics include grade 1 butt log (if sawtimber size), good form, good vigor, and freedom from serious damage.

Productive-reserved forest land. Forest land sufficiently productive to qualify as timberland, but withdrawn from timber utilization through statute, administrative designation, or exclusive use for Christmas tree production.

Primary manufacturing plant. A plant that converts round timber into wood products such as woodpulp, lumber, veneer, cooperage, and dimension products.

Pulpwood. Roundwood converted into 4-or 5-foot lengths or chips, and chipped plant byproducts that are prepared for manufacture into woodpulp.

Removals. The net growing-stock volume harvested or killed in logging, cultural operations--such as timber stand improvement--or land clearing, and also the net growing-stock volume neither harvested nor killed but growing on land which was reclassified from timberland to noncommercial forest land during the period between surveys. This volume is divided by the number of growing seasons.

Rotten tree. A live tree of commercial species that does not contain at least one 12-foot sawlog or two noncontiguous sawlogs, each 8 feet or longer, now or prospectively, and does not meet regional specifications for freedom from defect primarily because of rot; that is, more than 50 percent of the cull volume in the tree is rotten.

Rough tree. (a) The same as a rotten tree, except that a rough tree does not meet regional specifications for freedom from defect primarily because of roughness or poor form; also (b) a live tree of noncommercial species.

Roundwood products. Logs, bolts, total tree chips, or other round timber generated by harvested trees for industrial or consumer uses.

Salvable dead tree. A tree at least 5.0 inches in diameter at breast height that has recently died and still has intact bark. The tree may be standing, fallen, windthrown, knocked down, or broken off.

Sampling error. A measure of the reliability of an estimate, expressed as a percentage of the estimate. The sampling errors given in this report correspond to one standard deviation, and are calculated as the square root of the variance, divided by the estimate, and multiplied by 100.

Saplings. Live trees 1.0 through 4.9 inches dbh.

Sapling-seedling stand. A stand-size class of forest land that is stocked with at least 10 percent of minimum full stocking with all live trees with half or more of such stocking in saplings or seedlings or both.

Sawlog. A log meeting regional standards of diameter, length, and freedom from defect, including a minimum 8-foot length and a minimum diameter inside bark of 6 inches for softwoods and 8 inches for hardwoods. (See specifications under Log Grade Classification).

Sawlog portion. That part of the bole of a sawtimber tree between the stump and the sawlog top; that is, the merchantable height.

Sawlog top. The point on the bole of a sawtimber tree above which a sawlog cannot be produced. The minimum sawlog top is 7.0 inches

diameter outside bark (dob) for softwoods and 9.0 inches dob for hardwoods.

Sawtimber stand. A stand-size class of forest land that is stocked with at least 10 percent of minimum full stocking with all live trees with half or more of such stocking in poletimber or sawtimber trees or both, and in which the stocking of sawtimber is at least equal to that of poletimber.

Sawtimber trees. Live trees of commercial species at least 9.0 inches dbh for softwoods or 11.0 inches for hardwoods, containing at least one 12-foot sawlog or two noncontiguous 8-foot sawlogs, and meeting regional specifications for freedom from defect.

Sawtimber volume. Net volume in board feet, by International 1/4-inch rule, of sawlogs in sawtimber trees. Net volume equals gross volume less deductions for rot, sweep, and other defects that affect use for lumber.

Seedlings. Live trees less than 1.0 inch dbh and at least 1 foot in height.

Softwoods. Coniferous trees, usually evergreen and having needles or scalelike leaves.

Stand-size class. A classification of forest land based on the size class (that is, seedlings, saplings, poletimber, or sawtimber) of all live trees in the area.

Standard cord. A unit of measure for stacked bolts of wood, encompassing 128 cubic feet of wood, bark, and air space. Fuelwood cord estimates can be derived from cubic-foot estimates of growing stock by applying an average factor of 80 cubic feet of solid wood per cord. For pulpwood, a conversion of 85 cubic feet of solid wood per cord is used because pulpwood is more uniform.

Standard-lumber log grade. A classification of the quality of sawtimber volume based on standard sawlog grades for hardwoods, white pine, and southern pine. (Note: In Maine, red pine was graded using the southern pine guidelines. All specifications are shown under Log Grade Classification).

State lands. Lands owned by the State or leased to the State for 50 years or more.

Stocking. The degree of occupancy of land by trees, measured by basal area and/or number of trees in a stand compared to the basal area and/or number of trees required to fully use the growth potential of the land (or the stocking standard). In the eastern United States this standard is 75 square feet of basal area per acre for trees 5.0 inches dbh and larger, or its equivalent in numbers of trees per acre for seedlings and saplings.

Two categories of stocking are used in this report: all live trees and growing-stock trees. The relationships between the classes

and the percentage of the stocking standard are: nonstocked = 0 to 15, poorly stocked = 16 to 59, moderately stocked = 60 to 99, fully stocked = 100 to 129, and overstocked = 130 to 160.

Stump. The main stem of a tree from ground level to 1 foot above ground level, including the wood and bark.

Timberland. Forest land producing or capable of producing crops of industrial wood (more than 20 cubic feet per acre per year) and not withdrawn from timber utilization. Formerly known as commercial forest land.

Timber products. Roundwood (round timber) products and manufacturing plant byproducts harvested from growing-stock trees on timberland; from other sources, such as cull trees, salvable dead trees, limbs, tops and saplings; and from trees on noncommercial forest and nonforest lands.

Timber removals. The growing-stock or sawtimber volumes of trees removed from the inventory for roundwood products, plus logging residues, volume destroyed during land clearing, and volume of standing trees on land that was reclassified from timberland to noncommercial forest land. (See Table 37).

Top. The wood and bark of a tree above the merchantable height (or above the point on the stem 4.0 inches in diameter outside bark). It generally includes the uppermost stem, branches, and twigs of the tree, but not the foliage.

Tree class. A classification of the quality or condition of trees for sawlog production. Tree class for sawtimber trees is based on their present condition. Tree class for poletimber trees is a prospective determination--a forecast of their potential quality when they reach sawtimber size (11.0 inches dbh for hardwoods, 9.0 inches dbh for softwoods).

Trees. Woody plants that have well-developed stems and are usually more than 12 feet in height at maturity.

Turnery log or bolt. A roundwood product from which blanks are sawn and turned that usually meets certain minimum standards of diameter, length, and defect.

Unproductive forest land. Forest land that is incapable of producing 20 cubic feet per acre per year of industrial wood under natural conditions, because of adverse site conditions.

Unused manufacturing residues. Plant residues that are dumped or destroyed and not recovered for plant byproducts.

Upper-stem portion. That part of the main stem or fork of a sawtimber tree above the sawlog top to a diameter of 4.0 inches outside bark or to the point where the main stem or fork breaks into limbs.

Urban forest land. Noncommercial forest land within urban areas that is completely surrounded by urban development (not parks), whether commercial, industrial, or residential.

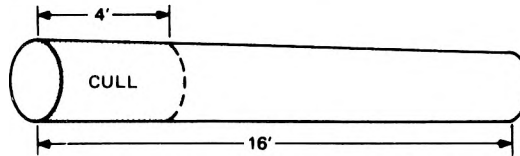
Veneer log or bolt. A roundwood product from which veneer is sliced or sawn that usually meets certain minimum standards of diameter, length, and defect.

Volume suitable for pulpwood. The sound volume (only rotten cull excluded) of growing-stock and rough trees.

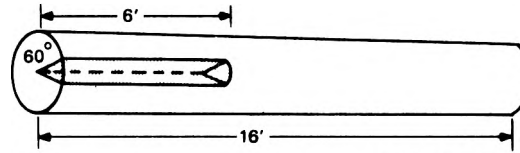
Log-grade classification

Methods of determining scaling deduction.

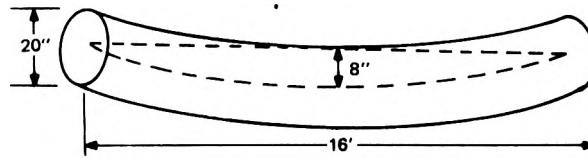
(Examples based on a 16-foot log with 20-inch scaling diameter)



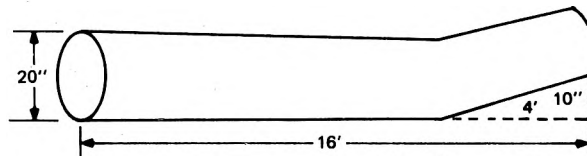
Defect section (rule 1): Percent deduction = $\frac{4}{16} = 25\%$



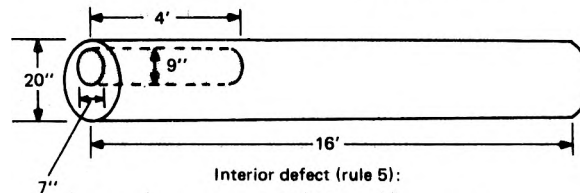
Defect section (rule 2): Percent deduction = $\left(\frac{6}{16}\right) \left(\frac{60}{360}\right) = 6\frac{1}{4}\%$



Sweep (rule 3): Percent deduction = $\frac{8 \cdot 2}{20} = 30\%$



Crook (rule 4): Percent deduction = $\left(\frac{10}{20}\right) \left(\frac{4}{16}\right) = 12\frac{1}{2}\%$



Interior defect (rule 5):

$$\text{Percent deduction} = \frac{(8)(10)}{(20-1)^2} \times \frac{4}{16} = 5\frac{5}{9}\%$$

In practice each ellipse axis can be divided by (20-1)

$$\text{Thus } \frac{8}{19} = .4, \frac{10}{19} = .5, \text{ and } (.4)(.5) \left(\frac{4}{16}\right) = 5\%$$

From: Grosenbaugh, L.R. 1952. Shortcuts for cruisers and scalers. U.S. Dep. Agric. For. Serv. South. For. Exp. Stn. Occas. Pap. 126.

STANDARD GRADES FOR HARDWOOD FACTORY LUMBER LOGS

Grading Factors		Log grades							F3
		F1			F2				
Position in tree		Butts only	Butts & uppers		Butts & Uppers				Butts & uppers
Scaling diameter, inches		13-15 ^a	16-19	20+	11+ ^b	12+			8+
Length without trim, feet		10+			10+	8-9	10-11	12+	8+
Required clear cuttings ^c of each of 3 best faces ^d	Min. length, feet	7	5	3	3	3	3	3	2
	Max. number	2	2	2	2	2	2	3	No limit
	Min. proportion of log length required in clear cutting	5/6	5/6	5/6	2/3	3/4	2/3	2/3	1/2
Maximum sweep & crook allowance	For logs with less than 1/4 of end in sound defects	15%			30%				50%
	For logs with more than 1/4 of end in sound defects	10%			20%				35%
Maximum scaling deduction		40% ^e			50% ^f				50%

End defects although not visible in standing trees, are important in grading cut logs. Instructions for dealing with this factor are contained in Forest Prod. Lab. Rpt. D 1737.

^aAsh and basswood butts can be 12 inches if they otherwise meet requirements for small #1's.

^bTen-inch logs of all species can be #2 if they otherwise meet requirements for small #1's.

^cA clear cutting is the portion of a face, extending the width of the face, that is free of defects.

^dA face is 1/4 of the surface of the log as divided lengthwise.

^eOtherwise #1 logs with 41-60% deductions can be #2.

^fOtherwise #2 logs with 51-60% deductions can be #3.

From: Vaughan, C. L., A. C. Wollin, K. A. McDonald, and E. H. Bulgrin. 1966. Hardwood log grades for standard lumber. USDA For. Serv. Res. Pap. FPL-63.

STANDARD SPECIFICATIONS FOR HARDWOOD CONSTRUCTION LOGS.^a

Position in tree		Butt & upper
Min. diameter, small end		8 inches +
Min. length, without trim		8 feet
Clear cuttings		No requirements.
Sweep allowance, absolute		1/4 diameter small end for each 8 feet of length.
Sound surface defects	Single knots	Any number, if no one knot has an average diameter above the callus in excess of 1/3 of log diameter at point of occurrence.
	Whorled knots	Any number if sum of knot diameters above the callus does not exceed 1/3 of log diameter at point of occurrence.
	Holes	Any number provided none has a diameter over 1/3 of log diameter at point of occurrence, and none extends over 3 inches into included timber. ^b
Unsound surface defects		Same requirements as for sound defects if they extend into included timber. ^b No limit if they do not.
End defects	Sound	No requirements.
	Unsound	None allowed; log must be sound internally, but will admit 1 shake not to exceed 1/4 the scaling diameter and a longitudinal split not extending over 5 inches into the contained timber.

^aThese specifications are minimum for the class. If, from a group of logs, factory logs are selected first, thus leaving only non-factory logs from which to select construction logs, then the quality range of the construction logs so selected is limited, and the class may be considered a grade. If selection for construction logs is given first priority, then it may be necessary to subdivide the class into grades.

^bIncluded timber is always square, and dimension is judged from small end.

From: Rast, E. D., D. L. Sonderman, and G. L. Gammon. 1973. A guide to hardwood log grading (Revised). USDA For. Serv. Gen. Tech. Rep. NE-1.

EASTERN WHITE PINE SAWLOG GRADE SPECIFICATIONS

GRADING FACTOR	LOG GRADE 1	LOG GRADE 2	LOG GRADE 3	LOG GRADE 4
(1) MINIMUM SCALING DIAMETER (inches)	14 ¹	6	6	6
(2) MINIMUM LOG LENGTH (feet)	10 ²	8	8	8
(3) MAXIMUM WEEVIL INJURY (number)	None	None	2 injuries ³	No limit
(4) MINIMUM FACE REQUIREMENTS	Two full length or four 50% length good faces. ⁴ (In addition, log knots on balance of faces shall not exceed size limitations of grade 2 logs.)	No GOOD FACES REQUIRED. Maximum diameter of log knots on three best faces: SOUND RED KNOTS not to exceed 1/6 scaling diameter and 3 inch maximum. DEAD OR BLACK KNOTS including overgrown knots not to exceed 1/12 scaling diameter and 1 1/2 inch maximum.	SOUND RED KNOTS not to exceed 1/3 scaling diameter and 5 inch maximum. DEAD OR BLACK KNOTS including overgrown knots not to exceed 1/6 scaling diameter and 2 1/2 inch maximum.	Includes all logs not qualifying for No. 3 or better and judged to have at least one-third of their gross volume in sound wood suitable for manufacture into standard lumber.
(5) MAXIMUM SWEEP OR CROOK ALLOWANCE (percent)	20	30	40	66 2/3
(6) MAXIMUM TOTAL SCALING DEDUCTION (percent)	50	50	50	66 2/3
<p>After the tentative log grade is established from face examination, the log will be reduced in grade whenever the following defects are evident:</p> <p>(7) CONKS, PUNK KNOTS, AND PINE BORER DAMAGE ON BARK SURFACE⁵ Degrade one grade if present on one face. Degrade two grades if present on two faces. Degrade three grades if present on three or more faces.</p> <p>(8) LOG END DEFECTS: RED ROT, RING SHAKE, HEAVY STAIN AND PINE BORER DAMAGE OUTSIDE HEART CENTER OF LOG⁵ Consider log as having a total of 8 quarters (4 on each end) and degrade as indicated below: Degrade one grade if present in 2 quarters of log ends. Degrade two grades if present in 3 or 4 quarters of log ends. Degrade three grades if present in 5 or more quarters of log ends.</p>				
<p>¹12 and 13 inch logs with four full length good faces are acceptable. ²8 foot logs with four full length good faces are acceptable. ³38 foot No. 3 logs limited to one weevil injury. ⁴Minimum 50% length good face must be at least 6 feet. ⁵Factors 7 and 8 are not cumulative (total degrade based on more serious of the two). No log to be degraded below grade 4 if net scale is at least one-third gross log scale.</p>				

From: Ostrander, M. D., and R. L. Brisbin, 1971. Sawlog grades for eastern white pine. USDA For. Serv. Res. Pap. NE-205.

SOUTHERN PINE SAWLOGS

Grade 1. Logs with 3 or 4 clear faces.¹ Code 1.

Grade 2. Logs with 1 or 2 clear faces. Code 2.

Grade 3. Logs with no clear faces. Code 3.

After the tentative log grade is established from above, the log will be degraded one grade for each of the following, except that no log can be degraded below grade 3.

1. *Sweep*. Degrade any tentative 1 or 2 log one grade if sweep amounts to 3 or more inches and equals or exceeds one third (1/3) the diameter inside bark at small end. This is the final grade if there is no evidence of heart rot.

2. *Heart rot*. Degrade any tentative 1 or 2 log one grade if conk, massed hyphae, or other evidence of advanced heart rot is found anywhere in it.

¹ A face is one-fourth of the circumference in width extending full length of the log. Clear faces are those free of: knots measuring more than one-half inch in diameter, overgrown knots of any size, holes more than one-fourth inch in diameter. The faces may be rotated if necessary to obtain the maximum number of clear ones.

From: Schroeder, J. G., R. A. Campbell, and R. C. Rodenbach. 1968. Southern pine sawlogs for yard and structural lumber. USDA For. Serv. Res. Pap. SE-39.

Tree species of Maine (as encountered on field plots)

Scientific Name ^a	Common Name(s)	Occurrence ^b
Softwoods		
<i>Abies balsamea</i> (L.) Mill.	balsam fir	vc
<i>Juniperus virginiana</i> L.	eastern redcedar	vr
<i>Larix laricina</i> (Du Roi) K. Koch	tamarack, eastern larch, hackmatack	c
<i>Picea abies</i> (L.) Karst.	Norway spruce	vr
<i>P. glauca</i> (Moench) Voss	white spruce	c
<i>P. mariana</i> (Mill.) B.S.P.	black spruce	c
<i>P. rubens</i> Sarg.	red spruce	vc
<i>Pinus resinosa</i> Ait.	red or Norway pine	r
<i>P. rigida</i> Mill.	pitch pine	vr
<i>P. strobus</i> L.	eastern white pine	c
<i>Thuja occidentalis</i> L.	northern white-cedar	vc
<i>Tsuga canadensis</i> (L.) Carr.	eastern hemlock	c
Hardwoods		
<i>Acer pensylvanicum</i> L. ^c	striped maple, moosewood	c
<i>A. rubrum</i> L.	red, soft, or swamp maple	vc
<i>A. saccharinum</i> L.	silver or soft maple	vr
<i>A. saccharum</i> Marsh.	sugar, rock, or hard maple	c
<i>A. spicatum</i> Lam. ^c	mountain maple	vr
<i>Ailanthus altissima</i> (Mill.) Swingle ^c	Ailanthus, tree-of-heaven	vr
<i>Betula alleghaniensis</i> Britton	yellow birch	c
<i>B. lenta</i> L.	sweet, black, or cherry birch	vr
<i>B. papyrifera</i> Marsh.	paper, white, or canoe birch	vc
<i>B. populifolia</i> Marsh.	gray birch	c
<i>Carpinus caroliniana</i> Walt. ^c	American hornbeam, blue-beech	vr
<i>Carya</i> spp. Nutt.	hickory	vr
<i>Fagus grandifolia</i> Ehrh.	American beech	c
<i>Fraxinus americana</i> L.	white ash	c
<i>F. nigra</i> Marsh.	black or brown ash	c
<i>F. pennsylvanica</i> Marsh.	green or red ash	r
<i>Juglans cinera</i> L.	butternut	vr
<i>Malus</i> spp. Mill. ^c	apple	r
<i>Nyssa sylvatica</i> Marsh.	blackgum or black tupelo	vr
<i>Ostrya virginiana</i> (Mill.) K. Koch ^c	eastern hophornbeam or ironwood	r
<i>Populus balsamifera</i> L.	balsam poplar	r
<i>P. grandidentata</i> Michx.	bigtooth aspen, poplar, or popple	c
<i>P. tremuloides</i> Michx.	quaking or trembling aspen, popple	c
<i>Prunus pensylvanica</i> L.f. ^c	pin or fire cherry	r
<i>P. serotina</i> Ehrh.	black cherry	r
<i>Quercus alba</i> L.	white oak	r
<i>Q. coccinea</i> Muenchh.	scarlet oak	vr
<i>Q. rubra</i> L.	northern red oak	c
<i>Q. velutina</i> Lam.	black or yellow oak	r
<i>Robinia pseudoacacia</i> L.	black locust	vr
<i>Salix</i> spp. L.	willow	vr
<i>S. nigra</i> Marsh.	black willow	vr
<i>Tilia americana</i> L.	American basswood	r
<i>Ulmus americana</i> L.	American elm	r
<i>U. rubra</i> Muhl.	slippery or red elm	vr

^aNames according to: Little, Elbert L., Jr. Checklist of United States Trees (native and naturalized). Agric. Handb. 541. Washington, D.C.: U.S. Department of Agriculture, Forest Service; 1979. 375 p.

^bOccurrence is based on the proportion of the species among all live trees 5.0 inches dbh or larger encountered on forest survey field plots: vr = very rare (<0.05%), r = rare (0.05 to 0.49%), c = common (0.5 to 4.9%), and vc = very common (≥5.0%).

^cNoncommercial species.

Metric equivalents of units used in this report

1 acre = 4,046.86 square meters or 0.404686
hectares
1,000 acres = 404.686 hectares
1,000,000 acres = 404,686 hectares
1 board foot^a = 0.00348 cubic meters or 3,480
cubic centimeters
1,000 board feet^a = 3.48 cubic meters
1,000,000 board feet^a = 3,480 cubic meters
1 cubic foot = 0.028317 cubic meters
1,000 cubic feet = 28.317 cubic meters
1,000,000 cubic feet = 28,317 cubic meters
1 cord (wood, bark, and airspace) = 3.6246 cubic
meters
1 cord (solid wood, pulpwood) = 2.4069 cubic
meters
1 cord (solid wood, other than pulpwood) =
2.2654 cubic meters
1,000 cords (pulpwood) = 2,406.9 cubic meters
1,000 cords (other products) = 2,265.4 cubic
meters
1 inch = 2.54 centimeters or 0.0254 meters
1 foot = 30.48 centimeters or 0.3048 meters
Breast height = 1.4 meters above ground level
1 mile = 1.609 kilometers
1 square foot = 929.03 square centimeters or
0.0929 square meters
1 square foot per acre basal area = 0.229568
square meters per hectare
1 ton = 907.1848 kilograms
1,000 tons = 907.1848 metric tons

^aWhile 1,000 board feet is theoretically equivalent to 2.36 cubic meters, this is true only when a board foot is actually a piece of wood with a volume 1/12 of a cubic foot. The International 1/4-inch log rule is used by the USDA Forest Service in the East to estimate the product potential in board feet. The reliability of the estimate, using a conversion, will vary with the size of the log measure. The conversion given here, 3.48 cubic meters, is based on the cubic volume of a log 16 feet long and 15 inches in diameter inside bark (dib) at the small end. This conversion could be used for average comparisons when accuracy of 10 percent is acceptable. Since the board foot unit is not a true measure of wood volume and since products other than dimension lumber are becoming important, this unit may eventually be phased out and replaced with the cubic meter unit.

Powell, Douglas S.; Dickson, David R. Forest statistics for Maine: 1971 and 1982. Resour. Bull. NE-81. Broomall, PA: U.S. Department of Agriculture, Forest Service; 1984. 194 p.

A statistical report on the third forest survey of Maine (1982) as well as reprocessed data from the second survey (1971). Results of the surveys are displayed in 169 tables containing estimates of forest and timberland area, numbers of trees, timber volume, tree biomass, timber products output, and components of average annual net change in growing-stock volume for the period between surveys. These estimates were developed by several classifications including forest type, ownership, species, size, and quality. Data are presented at three levels: state, geographic sampling unit, and county.

ODC 905.1(741)

Keywords: Forest survey, inventory, area, volume, change, growth, removals, mortality, counties.

Headquarters of the Northeastern Forest Experiment Station are in Broomall, Pa. Field laboratories are maintained at:

- **Amherst, Massachusetts, in cooperation with the University of Massachusetts.**
 - **Berea, Kentucky, in cooperation with Berea College.**
 - **Burlington, Vermont, in cooperation with the University of Vermont.**
 - **Delaware, Ohio.**
 - **Durham, New Hampshire, in cooperation with the University of New Hampshire.**
 - **Hamden, Connecticut, in cooperation with Yale University.**
 - **Morgantown, West Virginia, in cooperation with West Virginia University, Morgantown.**
 - **Orono, Maine, in cooperation with the University of Maine, Orono.**
 - **Parsons, West Virginia.**
 - **Princeton, West Virginia.**
 - **Syracuse, New York, in cooperation with the State University of New York College of Environmental Sciences and Forestry at Syracuse University, Syracuse.**
 - **University Park, Pennsylvania, in cooperation with the Pennsylvania State University.**
 - **Warren, Pennsylvania.**
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