

Forest Inventory
Nova Scotia
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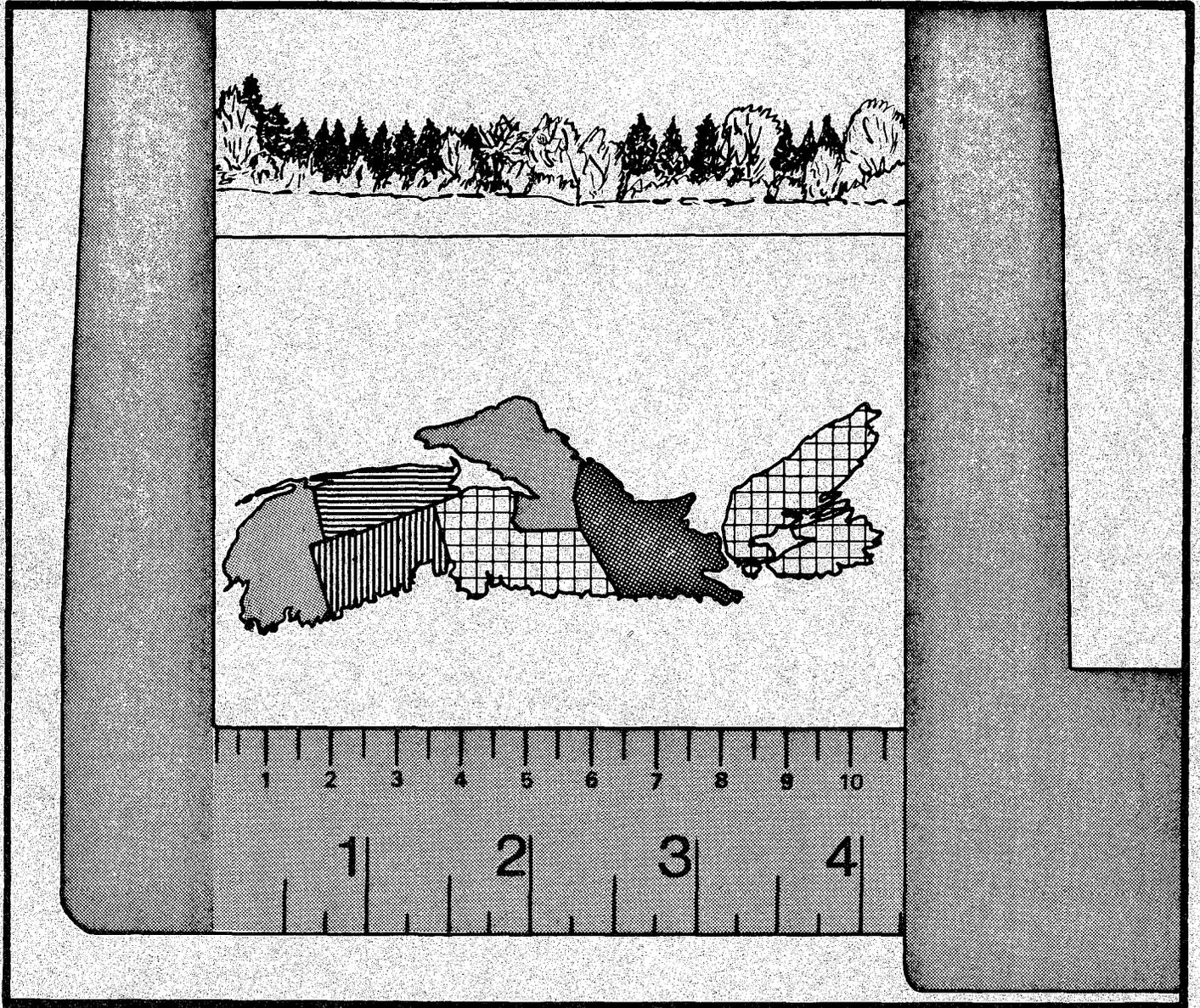
INFORMATION REPORT

NOVA SCOTIA FOREST INVENTORY

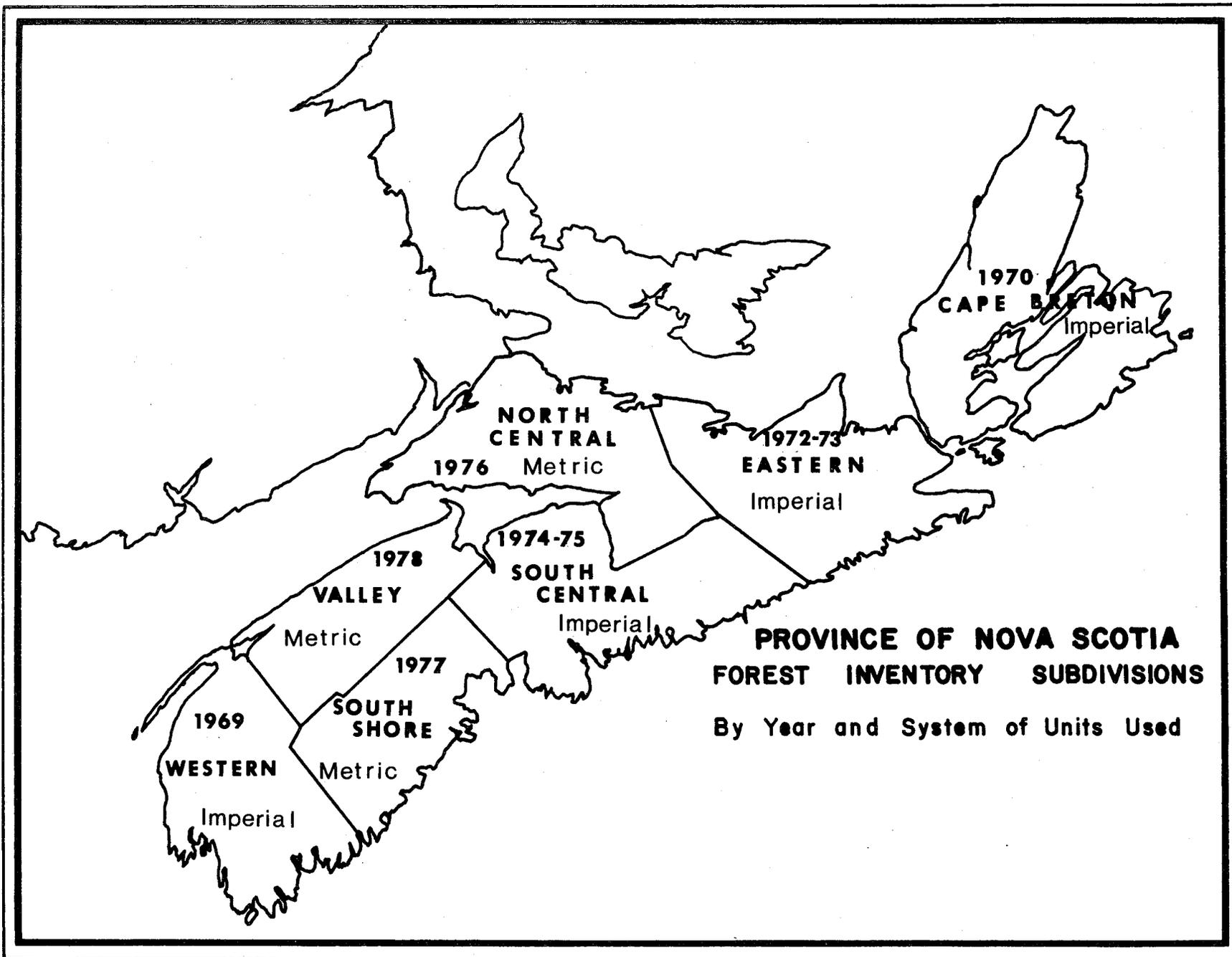
PROVINCIAL SUMMARY

1970 - 1978

#1543



Compiled by
Forest Planning Division
N.S. Dept. of Lands & Forests
January, 1979



PROVINCE OF NOVA SCOTIA
FOREST INVENTORY SUBDIVISIONS
By Year and System of Units Used

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The following tables are a summary for Nova Scotia of the most recent forest inventories.

The summary contains two subdivisions: Western (Digby-Yarmouth-Shelburne) and Cape Breton Island from the first cycle (1965-71) and remainder of the province from the second cycle which started in 1972. Two of these subdivisions: Eastern (Pictou-Antigonish-Guysborough) and South Central (Halifax-Hants) were measured in english units where the other three subdivisions: North Central (Cumberland-Colchester), South Shore (Queens-Lunenburg) and Valley (Annapolis-Kings) were measured in metric (SI) units.

The tables of species volumes by size class are only approximations because the 2 cm D.B.H. classes do not coincide with 1 in. D.B.H. classes.

The following assumption was made in these tables:

4"-6" D.B.H. class to be same as 10 cm-14 cm D.B.H. class

7"-9" D.B.H. class to be same as 16 cm-20 cm D.B.H. class

10" + D.B.H. class to be same as 22 + cm D.B.H. class.

The following reports are available for more detailed information:

Nova Scotia Forest Inventory
Cape Breton Island - 1970

Nova Scotia Forest Inventory
Yarmouth Subdivision - 1971

Information Report
Nova Scotia Forest Inventory
Eastern Subdivision
1972 - 73
Pictou-Antigonish-Guysborough Counties

Information Report
Nova Scotia Forest Inventory
1974 - 75
South Central Subdivision
Halifax-Hants Counties

Information Report
Nova Scotia Forest Inventory
1976
North Central Subdivision
Cumberland-Colchester Counties

Information Report
Nova Scotia Forest Inventory
1977
South Shore Subdivision
Queens-Lunenburg Counties

Information Report
Nova Scotia Forest Inventory
1978
Valley Subdivision
Annapolis-Kings Counties

The report, since 1972, also shows comparisons to first cycle and to 1958 report.

The tables on the green pages contain the area and volume in acres and gross merchantable cubic feet. The tables on the yellow paper contain area and volume data in hectares and gross merchantable cubic metres.

The data on buff colored paper presents the data on a percentage basis for both area and volume.

Following are some definitions of terms used in the tables:

Gross Merchantable Volume is solid wood, exclusive of bark, from stump height, top merchantable diameter 4 inch for imperial units and 10 cm for metric units.

Crownland is land owned by Province of Nova Scotia.

Large Private is those owning 1000 acres (400 ha) or more.

Small Private is those owning less than 1000 acres (400 ha).

Federal is land owned by the Government of Canada.

Softwood Cover Type is stand containing more than 75% softwood species by volume.

Mixedwood Cover Type is stands containing 75 - 25% softwood species by volume.

Hardwood Cover Type is stands containing less than 25% softwood species by volume.

Due to the fact that the data for the report came from three sources (1) 1965-71 inventory; (2) 1972-75 imperial units inventory; (3) 1976-78 metric unit inventory plus the need to convert data to same units, the total area and/or volume figures on the various tables differ slightly.

TABLE 1
NOVA SCOTIA

1970 - 78 FOREST INVENTORY AREA DATA IN ACRES BY
LAND CLASSIFICATION AND OWNERSHIP

Land Class	OWNERSHIP (ACRES)				Total
	Crown	Large	Small	Federal	
Softwood	1 467 200	1 076 200	2 677 800	191 500	5 412 700
Mixedwood	742 900	672 600	1 653 400	69 400	3 138 300
Hardwood	443 800	374 100	849 700	37 800	1 705 400
Total Forest	2 654 300	2 123 200	5 181 200	299 200	10 257 900
Non-Forest	529 000	214 100	1 511 000	81 100	2 335 200
Water & Flowage	451 700	184 800	437 600	17 500	1 091 600
Total Non-Forest	980 800	399 100	1 948 900	98 600	3 427 400
Total	3 635 100	2 522 300	7 130 100	397 800	13 685 300
				Unclassified Islands	20 700
					13 706 000

TABLE 2
NOVA SCOTIA

1970 - 78 FOREST INVENTORY AREA DATA IN ACRES BY
DENSITY CLASS AND OWNERSHIP

Density Class	OWNERSHIP (ACRES)				Total
	Crown	Large	Small	Federal	
Up to 40%	758 160	354 710	1 097 460	67 100	2 277 400
41 - 60%	866 310	633 800	1 590 230	128 350	3 218 600
61 - 80%	820 920	843 370	1 970 930	83 610	3 718 800
81 - 100%	166 790	255 290	446 400	18 630	887 100
Overstocked	41 910	35 780	75 870	1 300	154 800
Total	2 654 000	2 122 900	5 180 800	298 900	10 256 700

TABLE 3
NOVA SCOTIA

1970 - 78 FOREST INVENTORY AREA DATA IN ACRES BY
AGE CLASS AND OWNERSHIP

Age Class	OWNERSHIP (ACRES)				Total
	Crown	Large	Small	Federal	
Up to 20 years	81 010	92 920	206 250	5 620	385 800
21 - 40 years	243 350	205 690	745 440	26 420	1 220 900
41 - 60 years	908 100	593 950	2 009 070	88 110	3 599 200
61 - 80 years	975 930	716 420	1 528 570	135 520	3 356 400
81 - 100 years	248 080	213 190	277 670	30 540	769 400
101 + years	24 600	61 990	28 060	1 500	116 100
Uneven Aged	172 690	238 470	385 610	9 370	806 100
Total	2 653 700	2 122 600	5 180 600	297 080	10 253 900

TABLE 4
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA IN
THOUSANDS OF GROSS MERCHANTABLE CUBIC FEET BY
COVER TYPE AND OWNERSHIP

Cover Type	Species	OWNERSHIP (THOUSANDS GROSS MERCHANTABLE CUBIC FEET)				
		Crown	Large	Small	Federal	Total
Softwood	Softwood	1 156 700	1 172 600	2 270 500	164 600	4 764 400
	Hardwood	108 600	142 300	235 500	14 300	500 700
	Total	1 265 700	1 315 000	2 506 000	179 000	5 265 700
Mixedwood	Softwood	403 800	446 100	933 800	41 100	1 824 800
	Hardwood	295 900	295 900	662 200	28 500	1 282 500
	Total	700 103	742 100	1 596 100	69 700	3 108 000
Hardwood	Softwood	62 400	79 300	133 400	7 600	282 700
	Hardwood	305 600	286 700	627 200	29 200	1 248 700
	Total	368 000	366 400	761 000	36 900	1 532 300
Total	Softwood	1 622 900	1 698 200	3 337 800	213 600	6 872 500
	Hardwood	710 200	725 300	1 525 000	77 200	3 032 700
	Total	2 333 800	2 423 700	4 863 200	286 000	9 906 700

TABLE 5
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA IN
THOUSANDS OF GROSS MERCHANTABLE CUBIC FEET BY
DENSITY CLASS AND OWNERSHIP

OWNERSHIP (THOUSANDS GROSS MERCHANTABLE CUBIC FEET)						
Density Class	Species	Crown	Large	Small	Federal	Total
Up to 40%	Softwood	225 600	110 200	317 200	34 000	687 000
	Hardwood	106 300	55 600	139 200	11 600	312 700
	Total	331 900	166 000	456 500	45 700	1 000 100
41 - 60%	Softwood	496 100	407 100	916 600	82 600	1 902 400
	Hardwood	275 400	229 400	500 700	31 700	1 037 300
	Total	771 700	636 600	1 417 300	114 400	2 940 000
61 - 80%	Softwood	667 800	792 900	1 564 200	70 300	3 097 100
	Hardwood	286 100	348 100	760 700	23 700	1 419 900
	Total	954 000	1 141 000	2 325 000	94 200	4 514 200
81 - 100%	Softwood	196 200	348 800	467 300	23 000	1 035 300
	Hardwood	35 600	84 200	116 800	3 400	240 000
	Total	231 900	433 000	584 200	26 400	1 275 500
Overstocked	Softwood	39 100	37 700	70 000	1 500	148 300
	Hardwood	5 700	7 500	8 600	100	21 900
	Total	44 900	45 300	78 700	1 600	170 500
Total	Softwood	1 624 800	1 696 700	3 335 300	211 400	6 870 100
	Hardwood	709 100	724 800	1 526 000	70 500	3 031 800
	Total	2 334 400	2 421 900	4 861 700	282 300	9 900 300

TABLE 6
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA IN
THOUSANDS OF GROSS MERCHANTABLE CUBIC FEET BY
OWNERSHIP AND AGE CLASS

Density Class	Species	OWNERSHIP (THOUSANDS GROSS MERCHANTABLE CUBIC FEET)				
		Crown	Large	Small	Federal	Total
Up to 20 Years	Softwood	5 500	8 900	13 600	900	28 900
	Hardwood	2 400	6 400	6 100	300	15 200
	Total	7 900	15 400	19 800	1 300	44 400
21 - 40 Years	Softwood	69 600	65 900	242 800	8 400	386 700
	Hardwood	25 000	30 200	88 400	4 600	148 200
	Total	94 600	96 100	331 300	13 100	535 100
41 - 60 Years	Softwood	491 390	382 930	1 351 400	54 470	2 280 100
	Hardwood	200 240	184 550	537 580	17 210	939 500
	Total	692 000	567 500	1 889 340	72 040	3 220 800
61 - 80 Years	Softwood	720 460	629 670	1 180 580	114 870	2 645 500
	Hardwood	317 650	299 350	626 280	29 840	1 273 100
	Total	1 038 480	929 030	1 806 880	144 720	3 919 100
81 - 100 Years	Softwood	182 600	255 370	223 430	24 940	686 300
	Hardwood	109 730	107 920	149 900	15 120	382 600
	Total	292 360	363 320	373 340	40 070	1 069 000
101 + Years	Softwood	22 540	141 260	29 920	920	194 600
	Hardwood	12 260	26 280	9 700	780	49 000
	Total	34 990	167 900	39 640	1 710	244 200
Uneven Aged	Softwood	132 320	216 320	294 350	5 960	648 900
	Hardwood	40 920	69 700	107 390	2 590	220 600
	Total	173 250	286 030	402 090	8 920	870 200
Total	Softwood	1 624 400	1 700 300	3 336 000	210 400	6 871 100
	Hardwood	708 200	724 400	1 525 300	70 400	3 028 300
	Total	2 333 500	2 425 200	4 862 300	281 800	9 902 800

TABLE 7
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA
IN THOUSANDS GROSS MERCHANTABLE CUBIC FEET
FOR CROWNLAND BY SPECIES AND SIZE CLASS

(THOUSANDS OF GROSS MERCHANTABLE CUBIC FEET)

Species	4 - 6"	7 - 9"	10" +	Total
White Spruce	11 840	21 659	32 861	66 360
Spruce (red & black)	172 131	199 192	187 332	558 655
Fir	237 269	316 791	222 140	776 200
Hemlock	467	1 730	9 767	11 964
White Pine	5 989	16 039	130 652	152 680
Red Pine	474	1 740	8 288	10 502
Larch	13 176	16 616	11 999	41 791
Jack Pine	1 334	1 669	2 379	5 382
Other Softwood	0	0	0	0
Softwoods	442 680	575 436	605 418	1 623 534
Sugar Maple	9 974	20 537	50 279	80 790
Red Maple	64 185	103 077	125 944	293 206
Yellow Birch	11 857	33 761	123 495	169 113
White Birch	22 272	31 940	22 652	76 864
Oak	5 265	8 546	13 700	27 511
Aspen	5 092	9 736	18 580	33 408
Grey Birch	1 228	324	30	1 582
White Ash	415	969	2 231	3 615
Black Ash	32	54	19	105
Cherry	177	220	19	416
Beech	4 257	6 287	8 296	18 840
Misc.	145	67	95	307
Hardwoods	124 899	215 518	365 340	705 757
All Species	567 579	790 954	970 758	2 329 291

TABLE 8
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA
IN THOUSANDS GROSS MERCHANTABLE CUBIC FEET
FOR LARGE PRIVATE OWNERS BY SPECIES AND SIZE CLASS

(THOUSANDS OF GROSS MERCHANTABLE CUBIC FEET)

Species	4 - 6"	7 - 9"	10"+	Total
White Spruce	7 731	14 339	33 926	55 996
Spruce (red & black)	149 211	254 682	560 874	964 767
Fir	127 871	159 257	117 009	404 137
Hemlock	2 881	8 861	81 338	93 080
White Pine	5 072	13 654	135 724	154 451
Red Pine	65	562	7 364	7 991
Larch	4 056	5 165	6 211	15 432
Jack Pine	517	780	251	1 548
Other Softwood	60	0	0	60
Softwoods	297 464	457 300	942 697	1 697 462
Sugar Maple	16 987	23 578	55 550	96 115
Red Maple	59 456	104 475	177 142	341 073
Yellow Birch	11 449	24 709	91 097	127 255
White Birch	12 349	19 965	18 908	51 222
Oak	3 017	9 220	15 099	27 336
Aspen	4 539	8 894	24 876	38 309
Grey Birch	1 894	543	141	2 578
White Ash	1 372	2 867	4 739	8 978
Black Ash	8	38	19	65
Cherry	45	0	140	185
Beech	5 742	9 269	12 623	27 634
Misc.	183	100	135	418
Hardwoods	117 041	203 658	400 469	721 168
All Species	414 505	660 958	1 343 166	2 418 630

TABLE 9
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA
IN THOUSANDS GROSS MERCHANTABLE CUBIC FEET
FOR SMALL PRIVATE OWNERS BY SPECIES AND SIZE CLASS

(THOUSANDS OF GROSS MERCHANTABLE CUBIC FEET)

Species	4 - 6"	7 - 9"	10"+	Total
White Spruce	113 449	202 580	295 872	611 901
Spruce (red & black)	265 891	373 471	481 899	1 121 261
Fir	460 520	472 346	255 757	1 188 623
Hemlock	10 876	33 170	144 348	188 394
White Pine	5 640	14 929	110 015	130 584
Red Pine	265	1 132	6 833	8 230
Larch	18 605	29 834	31 056	79 495
Jack Pine	1 035	1 909	2 930	5 874
Other Softwood	45	70	141	256
Softwoods	876 326	1 129 441	1 328 851	3 334 618
Sugar Maple	31 983	55 738	132 141	219 862
Red Maple	132 994	190 887	243 962	567 843
Yellow Birch	31 473	60 790	156 894	249 157
White Birch	40 307	46 221	41 053	127 581
Oak	3 652	6 925	15 755	26 332
Aspen	36 317	50 051	79 293	165 661
Grey Birch	14 386	3 941	461	18 788
White Ash	4 938	9 177	13 825	27 940
Black Ash	57	197	129	383
Cherry	280	265	269	814
Beech	24 935	37 910	52 077	114 922
Misc.	1 357	1 636	3 394	6 387
Hardwoods	322 679	463 738	739 253	1 525 670
All Species	1 199 005	1 593 179	2 068 104	4 860 288

TABLE 10

NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA
 IN THOUSANDS GROSS MERCHANTABLE CUBIC FEET
 FOR FEDERAL LAND BY SPECIES AND SIZE CLASS

Species	(THOUSANDS OF GROSS MERCHANTABLE CUBIC FEET)			
	4 - 6"	7 - 9"	10" +	Total
White Spruce	1 072	2 254	3 744	7 071
Spruce (red & black)	8 547	11 695	10 243	30 489
Fir	39 544	59 147	27 710	126 371
Hemlock	603	1 965	10 925	13 495
White Pine	1 093	3 170	25 189	29 453
Red Pine	35	130	3 312	3 477
Larch	810	678	670	2 159
Jack Pine	142	300	328	771
Other Softwood	0	0	0	0
Softwoods	51 852	79 347	82 127	213 330
Sugar Maple	615	897	3 518	5 031
Red Maple	3 989	6 552	8 267	18 813
Yellow Birch	788	2 158	11 878	14 829
White Birch	2 167	5 036	5 275	12 481
Oak	713	3 138	5 713	9 567
Aspen	1 218	1 655	2 648	5 525
Grey Birch	212	0	0	212
White Ash	28	69	388	485
Black Ash	34	21	87	143
Cherry	60	21	0	81
Beech	1 074	1 542	1 534	4 152
Misc.	0	0	0	0
Hardwoods	10 914	21 097	39 315	71 331
All Species	62 768	100 446	121 443	284 664

TABLE 11
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA
IN THOUSANDS GROSS MERCHANTABLE CUBIC FEET
FOR ALL OWNERSHIP BY SPECIES AND SIZE CLASS

(THOUSANDS OF GROSS MERCHANTABLE CUBIC FEET)

Species	4 - 6"	7 - 9"	10"+	Total
White Spruce	134 284	240 976	366 583	741 843
Spruce (red & black)	595 881	838 874	1 238 671	2 673 426
Fir	865 185	1 007 483	622 608	2 495 276
Hemlock	15 009	45 897	245 984	306 890
White Pine	17 904	47 976	401 017	466 897
Red Pine	1 054	3 743	25 799	30 596
Larch	36 300	52 437	50 011	138 748
Jack Pine	3 135	4 764	5 925	13 824
Other Softwood	105	70	141	316
Softwoods	1 668 857	2 242 226	2 956 739	6 867 822
Sugar Maple	59 705	100 921	241 491	402 117
Red Maple	260 625	404 700	555 060	1 220 385
Yellow Birch	55 711	121 569	386 314	563 594
White Birch	79 967	103 343	87 875	271 185
Oak	12 863	27 902	50 201	90 966
Aspen	47 309	70 542	125 400	243 251
Grey Birch	17 866	5 021	668	23 555
White Ash	6 861	13 216	21 222	41 299
Black Ash	132	311	254	697
Cherry	564	542	464	1 570
Beech	36 153	55 189	74 605	165 947
Misc.	1 794	1 839	4 049	7 682
Hardwoods	579 550	905 095	1 547 603	3 032 248
All Species	2 248 407	3 147 321	4 504 342	9 900 070

TABLE 12

NOVA SCOTIA

1970 - 78 FOREST INVENTORY AREA DATA IN HECTARES BY
LAND CLASS AND OWNERSHIP

Land Class	OWNERSHIP (HECTARES)				Total
	Crown	Large	Small	Federal	
Softwood	594 000	435 700	1 084 100	77 500	2 191 300
Mixedwood	300 700	272 300	669 300	28 000	1 270 500
Hardwood	179 600	151 400	344 000	15 300	690 400
Total Forest	1 074 600	859 500	2 097 600	121 100	4 152 900
Non-Forest	214 100	86 600	611 700	32 800	945 400
Water & Flowage	182 800	74 800	177 100	7 000	441 900
Total Non-Forest	397 000	161 500	789 000	39 900	1 387 600
Total	1 471 700	1 021 100	2 886 600	161 000	5 548 600
				Unclassified Islands	8 300
					5 548 900

TABLE 13
NOVA SCOTIA

1970 - 78 FOREST INVENTORY AREA DATA IN HECTARES BY
DENSITY CLASS AND OWNERSHIP

Density Class	OWNERSHIP (HECTARES)				Total
	Crown	Large	Small	Federal	
Up to 40%	306 900	143 600	444 300	27 100	922 000
41 - 60%	350 700	256 500	643 800	51 900	1 303 000
61 - 80%	332 300	337 800	797 900	33 800	1 505 500
81 - 100%	67 500	103 300	180 700	7 500	359 100
Overstocked	16 900	14 400	30 700	500	62 600
Total	1 074 400	859 400	2 097 400	121 000	4 152 500

TABLE 14
NOVA SCOTIA

1970 - 78 FOREST INVENTORY AREA DATA IN HECTARES BY
AGE CLASS AND OWNERSHIP

Age Class	OWNERSHIP (HECTARES)				Total
	Crown	Large	Small	Federal	
Up to 20 Years	32 700	37 600	83 500	2 200	156 100
21 - 40 Years	98 500	83 200	301 700	10 600	494 200
41 - 60 Years	367 600	240 400	813 300	35 600	1 457 100
61 - 80 Years	395 100	290 000	618 800	54 800	1 358 800
81 - 100 Years	100 400	86 300	112 400	12 300	311 400
101+ Years	9 900	25 000	11 300	600	47 000
Uneven Aged	69 900	96 500	156 100	3 700	326 300
Total	1 074 300	859 300	2 097 400	120 200	4 151 300

TABLE 15
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA IN
THOUSANDS OF GROSS MERCHANTABLE CUBIC METRES BY
COVER TYPE AND OWNERSHIP

OWNERSHIP (THOUSANDS GROSS MERCHANTABLE CUBIC METERS)						
Cover Type	Species	Crown	Large	Small	Federal	Total
Softwood	Softwood	32 700	33 200	64 200	4 600	134 900
	Hardwood	3 000	4 000	6 600	400	14 100
	Total	35 800	37 200	70 900	5 000	149 100
Mixedwood	Softwood	11 400	12 600	26 400	1 100	51 600
	Hardwood	8 300	8 300	18 700	800	36 300
	Total	19 800	21 000	45 100	1 900	88 000
Hardwood	Softwood	1 700	2 200	3 700	200	8 000
	Hardwood	8 600	8 100	17 700	800	35 300
	Total	10 400	10 300	21 500	1 000	43 300
Total	Softwood	45 900	48 000	94 500	6 000	194 600
	Hardwood	20 100	20 500	43 100	2 000	85 800
	Total	66 000	68 600	137 700	8 000	280 500

TABLE 16
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA IN
THOUSANDS OF GROSS MERCHANTABLE CUBIC METRES BY
DENSITY CLASS AND OWNERSHIP

OWNERSHIP (THOUSANDS GROSS MERCHANTABLE CUBIC METERS)						
Density Class	Species	Crown	Large	Small	Federal	Total
Up to 40%	Softwood	6 300	3 100	8 900	900	19 400
	Hardwood	3 000	1 500	3 900	300	8 800
	Total	9 300	4 700	12 900	1 200	28 300
41 - 60%	Softwood	14 000	11 500	25 900	2 300	53 800
	Hardwood	7 700	6 400	14 100	800	29 300
	Total	21 800	18 000	40 100	3 200	83 200
61 - 80%	Softwood	18 900	22 400	44 200	1 900	87 600
	Hardwood	8 100	9 800	21 500	600	40 200
	Total	27 000	32 300	65 800	2 600	127 800
81 - 100%	Softwood	5 500	9 800	13 200	600	29 300
	Hardwood	1 000	2 300	3 300	100	6 700
	Total	6 500	12 200	16 500	700	36 100
Overstocked	Softwood	1 100	1 000	1 900	0	4 100
	Hardwood	100	200	200	0	600
	Total	1 200	1 200	2 200	0	4 800
Total	Softwood	46 000	48 000	94 400	5 900	194 500
	Hardwood	20 000	20 500	43 200	1 900	85 800
	Total	66 000	68 500	137 600	7 900	280 300

TABLE 17
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA IN
THOUSANDS OF GROSS MERCHANTABLE CUBIC METRES BY
AGE CLASS AND OWNERSHIP

OWNERSHIP (THOUSANDS GROSS MERCHANTABLE CUBIC METERS)						
Age Class	Species	Crown	Large	Small	Federal	Total
Up to 20 Years	Softwood	100	200	300	0	800
	Hardwood	0	100	100	0	400
	Total	200	400	500	0	1 200
21 - 40 Years	Softwood	1 900	1 800	6 800	200	10 900
	Hardwood	700	850	2 500	100	4 100
	Total	2 600	2 700	9 300	300	15 100
41 - 60 Years	Softwood	13 900	10 800	38 200	1 500	64 500
	Hardwood	5 600	5 200	15 200	400	26 600
	Total	19 500	16 000	53 500	2 000	91 200
61 - 80 Years	Softwood	20 400	17 800	33 400	3 200	74 900
	Hardwood	8 900	8 400	17 700	800	36 000
	Total	29 400	26 300	51 100	4 000	110 900
81 - 100 Years	Softwood	5 100	7 200	6 300	700	19 400
	Hardwood	3 100	3 000	4 200	400	10 800
	Total	8 200	10 200	10 500	1 100	30 200
101 + Years	Softwood	600	4 000	800	0	5 500
	Hardwood	300	700	200	0	1 300
	Total	900	4 700	1 100	0	6 900
Uneven Aged	Softwood	3 700	6 100	8 300	100	18 300
	Hardwood	1 100	1 900	3 000	100	6 200
	Total	4 900	8 000	11 300	200	24 600
Total	Softwood	45 900	48 100	94 400	5 900	194 500
	Hardwood	20 000	20 500	43 100	1 900	85 700
	Total	66 000	68 600	137 600	7 900	280 400

TABLE 18
NOVA SCOTIA
1970 - 78 FOREST INVENTORY VOLUME DATA
IN THOUSANDS GROSS MERCHANTABLE CUBIC METRES
FOR CROWNLAND BY SPECIES AND SIZE CLASS

(THOUSANDS OF GROSS MERCHANTABLE CUBIC METRES)

Species	10 - 14 cm	16 - 20 cm	22+ cm	Total
White Spruce	335	613	930	1 879
Spruce (red & black)	4 874	5 640	5 304	15 819
Fir	6 718	8 970	6 290	21 979
Hemlock	13	48	276	338
White Pine	169	454	3 699	4 323
Red Pine	13	49	234	297
Larch	373	470	339	1 183
Jack Pine	37	47	67	152
Other Softwood	0	0	0	0
Softwoods	12 535	16 294	17 143	45 974
Sugar Maple	282	581	1 423	2 287
Red Maple	1 817	2 918	3 566	8 302
Yellow Birch	335	956	3 497	4 788
White Birch	630	904	641	2 176
Oak	149	242	387	779
Aspen	144	275	526	946
Grey Birch	34	9	0	44
White Ash	11	27	63	102
Black Ash	1	1	0	3
Cherry	5	6	0	11
Beech	120	178	234	533
Misc.	4	1	2	8
Hardwoods	3 536	6 102	10 345	19 985
All Species	16 072	22 397	27 489	65 959

TABLE 19
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA
IN THOUSANDS GROSS MERCHANTABLE CUBIC METRES
FOR LARGE PRIVATE BY SIZE CLASS AND SPECIES

(THOUSANDS OF GROSS MERCHANTABLE CUBIC METRES)

Species	10 - 14 cm	16 - 20 cm	22+ cm	Total
White Spruce	218	406	960	1 585
Spruce (red & black)	4 225	7 211	15 882	27 319
Fir	3 620	4 509	3 313	11 444
Hemlock	81	250	2 303	2 635
White Pine	143	386	3 843	4 373
Red Pine	1	15	208	226
Larch	114	146	175	436
Jack Pine	14	22	7	43
Other Softwood	1	0	0	1
Softwoods	8 423	12 949	26 694	48 067
Sugar Maple	481	667	1 573	2 721
Red Maple	1 683	2 958	5 016	9 658
Yellow Birch	324	699	2 579	3 603
White Birch	349	565	535	1 450
Oak	85	261	427	774
Aspen	128	251	704	1 084
Grey Birch	53	15	3	73
White Ash	38	81	134	254
Black Ash	0	1	0	1
Cherry	1	0	3	5
Beech	162	262	357	782
Misc.	5	2	3	11
Hardwoods	3 314	5 767	11 340	20 421
All Species	11 737	18 716	38 034	68 489

TABLE 20
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA
IN THOUSANDS GROSS MERCHANTABLE CUBIC METRES
FOR SMALL PRIVATE BY SIZE CLASS AND SPECIES

(THOUSANDS OF GROSS MERCHANTABLE CUBIC METRES)

Species	10 - 14 cm	16 - 20 cm	22+ cm	Total
White Spruce	3 212	5 736	8 378	17 327
Spruce (red & black)	7 529	10 575	13 646	31 751
Fir	13 040	13 375	7 242	33 658
Hemlock	307	939	4 087	5 334
White Pine	159	422	3 115	3 697
Red Pine	7	32	193	233
Larch	526	844	879	2 251
Jack Pine	29	54	82	166
Other Softwood	1	2	3	7
Softwoods	24 815	31 982	37 629	94 427
Sugar Maple	905	1 578	3 741	6 225
Red Maple	3 766	5 405	6 908	16 079
Yellow Birch	891	1 721	4 442	7 055
White Birch	1 141	1 308	1 162	3 612
Oak	103	196	446	745
Aspen	1 028	1 417	2 245	4 691
Grey Birch	407	111	13	532
White Ash	139	259	391	791
Black Ash	1	5	3	10
Cherry	7	7	7	23
Beech	706	1 073	1 474	3 254
Misc.	38	46	96	180
Hardwoods	9 137	13 131	20 933	43 202
All Species	33 952	45 114	58 563	137 630

TABLE 21

NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA
 IN THOUSANDS GROSS MERCHANTABLE CUBIC METRES
 FOR FEDERAL LAND BY SIZE CLASS AND SPECIES

(THOUSANDS OF GROSS MERCHANTABLE CUBIC METRES)

Species	10 - 14 cm	16 - 20 cm	22+ cm	Total
White Spruce	30	63	106	200
Spruce (red & black)	242	331	290	863
Fir	1 119	1 674	784	3 578
Hemlock	17	55	309	382
White Pine	30	89	713	834
Red Pine	1	3	93	98
Larch	22	19	18	61
Jack Pine	4	8	9	21
Other Softwood	0	0	0	0
Softwoods	1 468	2 246	2 325	6 040
Sugar Maple	17	25	99	142
Red Maple	112	185	234	532
Yellow Birch	22	61	336	419
White Birch	61	142	149	353
Oak	20	88	161	270
Aspen	34	46	74	156
Grey Birch	6	0	0	6
White Ash	0	2	10	13
Black Ash	1	0	2	4
Cherry	2	0	0	2
Beech	30	43	43	117
Misc.	0	0	0	0
Hardwoods	309	597	1 113	2 019
All Species	1 777	2 844	3 438	8 060

TABLE 22
NOVA SCOTIA

1970 - 78 FOREST INVENTORY VOLUME DATA
IN THOUSANDS GROSS MERCHANTABLE CUBIC METRES
FOR ALL OWNERS BY SIZE CLASS AND SPECIES

(THOUSANDS OF GROSS MERCHANTABLE CUBIC METRES)

Species	10 - 14 cm	16 - 20 cm	22+ cm	Total
White Spruce	3 802	6 823	10 380	21 007
Spruce (red & black)	16 873	23 754	35 075	75 704
Fir	24 499	28 529	17 630	70 659
Hemlock	425	1 299	6 965	8 690
White Pine	506	1 358	11 355	13 221
Red Pine	29	105	730	866
Larch	1 027	1 484	1 416	3 928
Jack Pine	88	134	167	391
Other Softwood	2	2	3	8
Softwoods	47 257	63 493	83 727	194 478
Sugar Maple	1 690	2 857	6 838	11 386
Red Maple	7 380	11 460	15 717	34 558
Yellow Birch	1 577	3 442	10 939	15 959
White Birch	2 264	2 926	2 488	7 679
Oak	364	790	1 421	2 575
Aspen	1 339	1 997	3 550	6 888
Grey Birch	505	142	18	667
White Ash	194	374	600	1 169
Black Ash	3	8	7	19
Cherry	15	15	13	44
Beech	1 023	1 562	2 112	4 699
Misc.	50	52	114	217
Hardwoods	16 411	25 629	43 824	85 865
All Species	63 668	89 123	127 551	280 344

TABLE 23
NOVA SCOTIA

AREA DISTRIBUTION IN PERCENT BY LAND CLASS
AND OWNERSHIP, 1970 - 78 DATA

Land Class	OWNERSHIP (PERCENT)				Total
	Crown	Large	Small	Federal	
Softwood	40	43	37	48	40
Mixedwood	21	26	23	17	23
Hardwood	12	15	12	10	12
Total Forest	73	84	72	75	75
Non-Forest	15	9	21	20	17
Water & Flowage	12	7	6	5	8
Total Non-Forest	27	16	27	25	25
Total	100	100	100	100	100

TABLE 24
NOVA SCOTIA

AREA DISTRIBUTION IN PERCENT BY DENSITY CLASS
AND OWNERSHIP, 1970 - 78 DATA

Density Class	OWNERSHIP (PERCENT)				Total
	Crown	Large	Small	Federal	
Up to 40%	29	17	21	22	22
41 - 60%	33	30	31	43	31
61 - 80%	31	39	38	28	36
81 - 100%	6	12	9	6	9
Overstocked	1	2	1	1	2
Total	100	100	100	100	100

TABLE 25
NOVA SCOTIA

AREA DISTRIBUTION IN PERCENT BY AGE CLASS
AND OWNERSHIP, 1970 - 78 DATA

Age Class	OWNERSHIP (PERCENT)				Total
	Crown	Large	Small	Federal	
Up to 20 Years	3	4	4	2	4
21 - 40 Years	9	10	14	9	12
41 - 60 Years	34	28	39	30	35
61 - 80 Years	37	34	30	46	33
81 - 100 Years	9	10	5	10	7
101+ Years	1	3	1	0	1
Uneven Aged	7	11	7	3	8
Total	100	100	100	100	100

TABLE 26
NOVA SCOTIA

VOLUME DISTRIBUTION IN PERCENT BY
COVER TYPE AND OWNERSHIP, 1970 - 78 DATA

Cover Type	Species	OWNERSHIP (PERCENT)				Total
		Crown	Large	Small	Federal	
Softwood	Softwood	50	49	47	58	48
	Hardwood	4	6	5	5	5
	Total	54	55	52	63	53
Mixedwood	Softwood	17	18	19	14	18
	Hardwood	13	12	13	10	13
	Total	30	30	32	24	31
Hardwood	Softwood	3	3	3	3	3
	Hardwood	13	12	13	10	13
	Total	16	15	16	13	16
Total	Softwood	70	70	69	75	69
	Hardwood	30	30	31	25	31
	Total	100	100	100	100	100

TABLE 27

NOVA SCOTIA

VOLUME DISTRIBUTION IN PERCENT BY
DENSITY CLASS AND OWNERSHIP, 1970 - 78 DATA

Density Class	Species	Crown	OWNERSHIP (PERCENT)				Total
			Large	Small	Federal		
Up to 40%	Softwood	10	5	6	12	7	
	Hardwood	4	2	3	4	3	
	Total	14	7	9	16	10	
41 - 60%	Softwood	21	16	19	30	19	
	Hardwood	12	10	10	11	10	
	Total	33	26	29	41	29	
61 - 80%	Softwood	29	33	32	25	31	
	Hardwood	12	14	16	9	15	
	Total	41	47	48	34	46	
81 - 100%	Softwood	8	14	10	8	10	
	Hardwood	2	4	2	1	3	
	Total	10	18	12	9	13	
Overstocked	Softwood	2	2	2	0	2	
	Hardwood	0	0	0	0	0	
	Total	2	2	2	0	2	
Total	Softwood	70	70	69	75	69	
	Hardwood	30	30	31	25	31	
	Total	100	100	100	100	100	

TABLE 28

NOVA SCOTIA

VOLUME DISTRIBUTION IN PERCENT BY
AGE CLASS AND OWNERSHIP, 1970 - 78 DATA

Age Class	Species	OWNERSHIP (PERCENT)				Total
		Crown	Large	Small	Federal	
Up to 20 Years	Softwood	0	0	0	0	0
	Hardwood	0	0	0	0	0
	Total	0	0	0	0	0
21 - 40 Years	Softwood	3	3	5	3	4
	Hardwood	1	1	2	1	1
	Total	4	4	7	4	5
41 - 60 Years	Softwood	21	16	28	20	23
	Hardwood	8	8	11	6	9
	Total	29	24	39	26	32
61 - 80 Years	Softwood	31	26	24	41	27
	Hardwood	14	12	13	10	13
	Total	45	38	37	51	40
81 - 100 Years	Softwood	8	10	5	9	7
	Hardwood	5	5	3	6	4
	Total	13	15	8	15	11
101 + Years	Softwood	1	6	1	0	2
	Hardwood	0	1	0	0	1
	Total	1	7	1	0	3
Uneven Aged	Softwood	6	9	6	2	6
	Hardwood	2	3	2	2	3
	Total	8	12	8	4	9
Total	Softwood	70	70	69	75	69
	Hardwood	30	30	31	25	31
	Total	100	100	100	100	100

TABLE 29
NOVA SCOTIA

VOLUME DISTRIBUTION IN PERCENT BY SPECIES AND SIZE CLASS
FOR GROWN LAND, 1970 - 78 DATA

Species	SIZE CLASS (PERCENT)			Total
	10 - 14 cm	16 - 20 cm	22+ cm	
White Spruce	2	3	3	3
Spruce (red & black)	31	26	19	24
Fir	42	40	23	33
Hemlock	0	0	1	1
White Pine	1	2	14	7
Red Pine	0	0	1	0
Larch	2	2	1	2
Jack Pine	0	0	0	0
Other Softwood	0	0	0	0
Softwoods	78	73	62	70
Sugar Maple	2	3	5	4
Red Maple	11	13	13	13
Yellow Birch	2	4	13	7
White Birch	4	4	2	3
Oak	1	1	2	1
Aspen	1	1	2	1
Grey Birch	0	0	0	0
White Ash	0	0	0	0
Black Ash	0	0	0	0
Cherry	0	0	0	0
Beech	1	1	1	1
Misc.	0	0	0	0
Hardwoods	22	27	38	30
All Species	100	100	100	100

TABLE 30
NOVA SCOTIA

VOLUME DISTRIBUTION IN PERCENT BY SPECIES AND SIZE CLASS
FOR LARGE PRIVATE OWNERS, 1970 - 78 DATA

Species	SIZE CLASS (PERCENT)			Total
	10 - 14 cm	16 - 20 cm	22+ cm	
White Spruce	2	2	3	2
Spruce (red & black)	36	39	42	40
Fir	31	24	9	17
Hemlock	1	1	6	4
White Pine	1	2	10	6
Red Pine	0	0	0	0
Larch	1	1	0	1
Jack Pine	0	0	0	0
Other Softwood	0	0	0	0
Softwoods	72	69	70	70
Sugar Maple	4	4	4	4
Red Maple	15	16	13	14
Yellow Birch	3	4	7	5
White Birch	3	3	2	2
Oak	1	1	1	1
Aspen	1	1	2	2
Grey Birch	0	0	0	0
White Ash	0	1	0	1
Black Ash	0	0	0	0
Cherry	0	0	0	0
Beech	1	1	1	1
Misc.	0	0	0	0
Hardwoods	28	31	30	30
All Species	100	100	100	100

TABLE 31
NOVA SCOTIA

VOLUME DISTRIBUTION IN PERCENT BY SPECIES AND SIZE CLASS
FOR SMALL PRIVATE OWNERS, 1970 - 78 DATA

Species	SIZE CLASS (PERCENT)			Total
	10 - 14 cm	16 - 20 cm	22+ cm	
White Spruce	9	13	14	13
Spruce (red & black)	22	23	23	23
Fir	38	30	13	24
Hemlock	1	2	7	4
White Pine	1	1	5	3
Red Pine	0	0	0	0
Larch	2	2	2	2
Jack Pine	0	0	0	0
Other Softwood	0	0	0	0
Softwoods	73	71	64	69
Sugar Maple	3	4	6	4
Red Maple	11	12	12	12
Yellow Birch	3	4	8	5
White Birch	3	3	2	3
Oak	0	0	1	1
Aspen	3	3	4	3
Grey Birch	1	0	0	0
White Ash	1	1	1	1
Black Ash	0	0	0	0
Cherry	0	0	0	0
Beech	2	2	2	2
Misc.	0	0	0	0
Hardwoods	27	29	36	31
All Species	100	100	100	100

TABLE 32

NOVA SCOTIA

VOLUME DISTRIBUTION IN PERCENT BY SPECIES AND SIZE CLASS

FOR FEDERAL LAND, 1970 - 78 DATA

Species	SIZE CLASS (PERCENT)			Total
	10 - 14 cm	16 - 20 cm	22+ cm	
White Spruce	2	2	3	3
Spruce (red & black)	14	12	8	11
Fir	63	59	23	44
Hemlock	1	2	9	5
White Pine	2	3	21	10
Red Pine	0	0	3	1
Larch	1	1	0	1
Jack Pine	0	0	0	0
Other Softwood	0	0	0	0
Softwoods	83	79	67	75
Sugar Maple	1	1	3	2
Red Maple	6	6	7	7
Yellow Birch	1	2	10	5
White Birch	4	5	5	4
Oak	1	3	5	3
Aspen	2	2	2	2
Grey Birch	0	0	0	0
White Ash	0	0	0	0
Black Ash	0	0	0	0
Cherry	0	0	0	0
Beech	2	2	1	2
Misc.	0	0	0	0
Hardwoods	17	21	33	25
All Species	100	100	100	100

TABLE 33
NOVA SCOTIA

VOLUME DISTRIBUTION IN PERCENT BY SPECIES AND SIZE CLASS
FOR ALL OWNERS, 1970 - 78 DATA

Species	SIZE CLASS (PERCENT)			Total
	10 - 14 cm	16 - 20 cm	22+ cm	
White Spruce	6	8	8	8
Spruce (red & black)	26	27	28	27
Fir	38	32	14	25
Hemlock	1	1	5	3
White Pine	1	1	9	5
Red Pine	0	0	1	0
Larch	2	2	1	1
Jack Pine	0	0	0	0
Other Softwood	0	0	0	0
Softwoods	74	71	66	69
Sugar Maple	3	3	5	4
Red Maple	12	13	12	12
Yellow Birch	2	4	9	6
White Birch	3	3	2	3
Oak	1	1	1	1
Aspen	2	2	3	2
Grey Birch	1	0	0	0
White Ash	0	1	0	1
Black Ash	0	0	0	0
Cherry	0	0	0	0
Beech	2	2	2	2
Misc.	0	0	0	0
Hardwoods	26	29	34	31
All Species	100	100	100	100