

Compiled By
 Forest Planning Division
 Nova Scotia Dept. of Lands & Forests
 May 1977

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PROVINCE OF NOVA SCOTIA
FOREST INVENTORY
SUBDIVISION

CAPE
BRETON

NORTH
CENTRAL

EASTERN

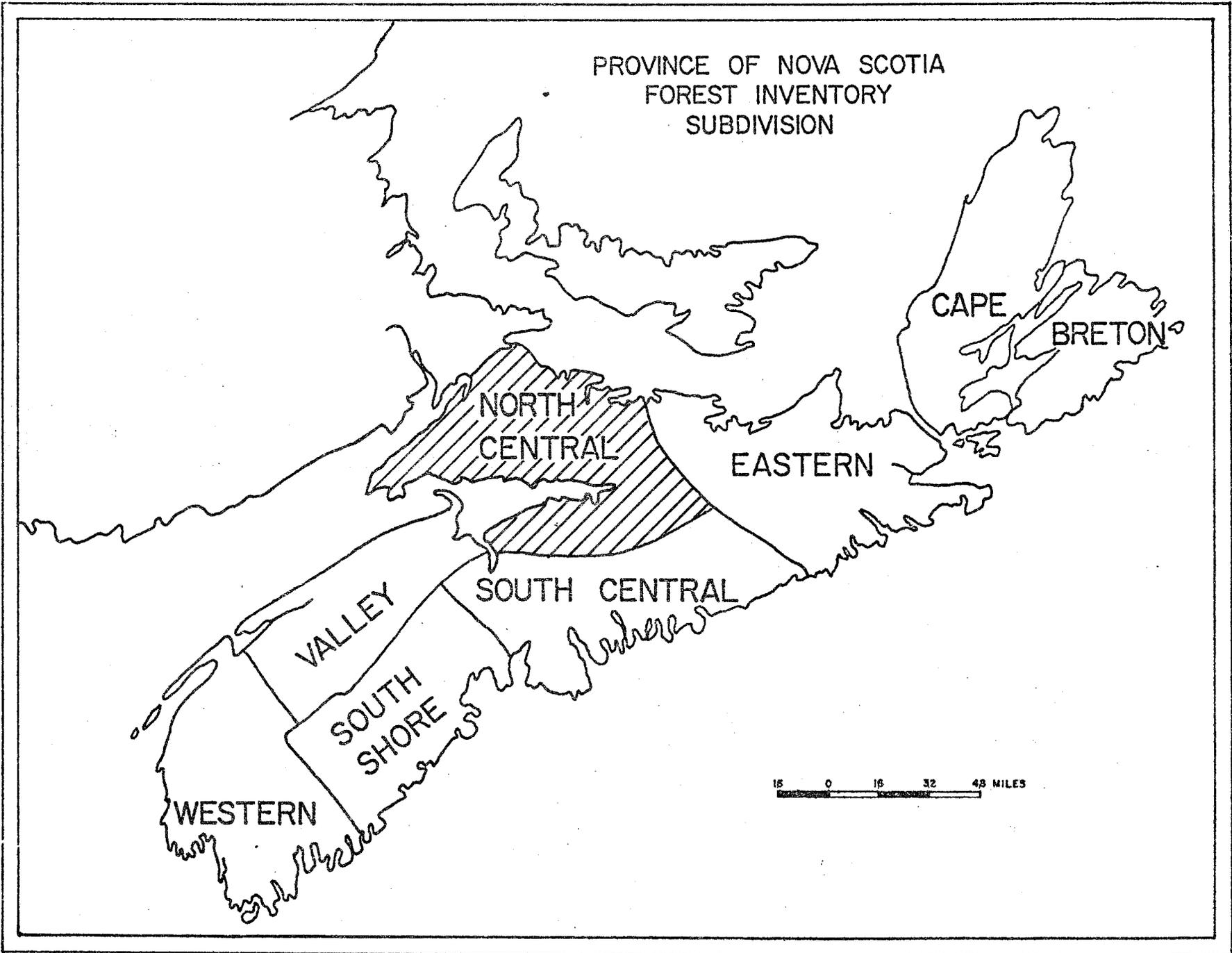
SOUTH CENTRAL

VALLEY

SOUTH
SHORE

WESTERN

16 0 16 32 48 MILES



INFORMATION REPORT

NOVA SCOTIA FOREST INVENTORY

NORTH CENTRAL SUBDIVISION

(Cumberland and Colchester Counties)

1976

With Comparison to 1955, 1968 Inventories

Nova Scotia Department of Lands and Forests
Forest Planning Division
January 1978

TABLE OF CONTENTS

	Page
List of Tables	3
Introduction	6
Local Volume Tables	10
Tables	19

LIST of TABLES

1976 Area Data by Ownership and

Table 1	Land Classification	North Central Subdivision	19
2	Density Class	North Central Subdivision	20
3	Age Class	North Central Subdivision	21
4	Capability Class	North Central Subdivision	22
5	Volume per Hectare	North Central Subdivision	23
6	Land Classification	Cumberland County	24
7	Density Class	Cumberland County	25
8	Age Class	Cumberland County	26
9	Capability Class	Cumberland County	27
10	Volume per Hectare	Cumberland County	28
11	Land Classification	Colchester County	29
12	Density Class	Colchester County	30
13	Age Class	Colchester County	31
14	Capability Class	Colchester County	32
15	Volume per Hectare	Colchester County	33

1976 Volume Data by Species Group, Ownership and

16	Cover Type	North Central Subdivision	34
17	Density Class	North Central Subdivision	35
18	Age Class	North Central Subdivision	36
19	Capability Class	North Central Subdivision	37
20	Volume per Hectare	North Central Subdivision	38
21	Species	North Central Subdivision	39
22	Size Class	North Central Subdivision	40
23	Cover Type	Cumberland County	41
24	Density Class	Cumberland County	42
25	Age Class	Cumberland County	43
26	Capability	Cumberland County	45
27	Volume per Hectare	Cumberland County	46
28	Species	Cumberland County	47
29	Size Class	Cumberland County	48

30	Cover Type	Colchester County	49
31	Density Class	Colchester County	50
32	Age Class	Colchester County	51
33	Capability	Colchester County	52
34	Volume per Hectare	Colchester County	53
35	Species	Colchester County	54
36	Size Class	Colchester County	55

Comparison of Area for 1968 and 1976 Data by Ownership and

37	Land Classification	North Central Subdivision	56
38	Density Class	North Central Subdivision	57
39	Age Class	North Central Subdivision	58
40	Land Classification	Cumberland County	59
41	Density Class	Cumberland County	60
42	Age Class	Cumberland County	61
43	Land Classification	Colchester County	62
44	Density Class	Colchester County	63
45	Age Class	Colchester County	64

Comparison of Volume for 1968 and 1976 Data by Ownership and

46	Cover Type	North Central Subdivision	65
47	Density Class	North Central Subdivision	66
48	Age Class	North Central Subdivision	67
49	Species Crown Land	North Central Subdivision	68
50	Species Large Private	North Central Subdivision	69
51	Species Small Private	North Central Subdivision	70
52	Species All Ownership	North Central Subdivision	71
53	Cover Type	Cumberland County	72
54	Density Class	Cumberland County	73
55	Age Class	Cumberland County	74
56	Species Crown Land	Cumberland County	75

57	Species Large Private	Cumberland County	76
58	Species Small Private	Cumberland County	77
59	Species All Owners	Cumberland County	78
60	Cover Type	Colchester County	79
61	Density Class	Colchester County	80
62	Age Class	Colchester County	81
63	Species Crown Land	Colchester County	82
64	Species Large Private	Colchester County	83
65	Species Small Private	Colchester County	84
66	Species All Owners	Colchester County	85
67	Comparison North Central Subdivision Area by Land Class and County for 1955, 1968, and 1976 Volume Data.		86
68	Comparison by Species for 1955, 1968 and 1976 Data in Gross Gross Cubic Feet for North Central Subdivision by County.		87
69	Species Distribution as Per Cent of Gross Cubic Metres for 1955, 1968 and 1976 Data by Counties.		89
70	Comparison of Volume Per Hectare in Gross Cubic Metres for 1955, 1968 and 1976 Data by County.		90

INTRODUCTION

The attached tables are summaries of the data obtained for Subdivision II (North Central) from 1976 field work.

In 1976 the field work was done in metric (SI) units. This is the first report which contains metric volume and area data.

The sampling method is exactly the same as it has been since 1965, with the exception of changing of units of measurement for diameters, heights, volumes and areas.

This data is only a small portion of the data available; any other data requests should be directed to Manager, Forest Inventory, P.O. Box 68, Truro, N.S. B2N 5B8.

This report also gives tables showing the comparisons between the 1968 and 1976 data, and in some cases back to 1955 inventory. Again, many more comparisons are possible and, as above, this data can be supplied for anyone wishing to make other comparisons.

This data, in a more summarized form, will be published in the near future. This report is meant to provide data for the technical and professional user.

The additional data available from the 1968 inventory can be provided in the form of the table labelled Exhibit I and for 1976 in the format of Exhibit II. The data in these forms are available in any combination of the following:

1965 - 71 Data

Subdivision 1 - 7

Counties within each Subdivision

Municipalities within each County

Cover - Softwood, Mixedwood, Hardwood

Density - up to 40%, 41 - 60%, 61 - 80%, 81 - 100%, Overstocked

Height - up to 15', 16 - 30', 31 - 50', 51' +, All Heights

Site Quality - I, II, III, IV, V

Age Class - up to 20 years, 21 - 40, 41 - 60, 81 - 100,
101 +, Uneven Age

Ownership - Crown, Large, Small, Federal

Age Cut - 1 - 9

Type Cut - Partial, Clear

Aspect - Level, N.E., S.E., S.W., N.W., Quadrant

Drainage - Well Drained, Imperfectly Drained, Poorly Drained

Elevation - 200' classes

1976 - 1981 Data

Subdivisions as available

Counties within each Subdivision

Municipalities within each County

Cover - Softwood, Mixedwood, Hardwood

Crown Closure - up to 40%, 41 - 60%, 61 - 100%

Height Class - up to 5m, 6 - 9m, 10 - 12m, 13 - 15m, 16m +, all heights

* Estimate Volume/Hectare - less than 40m³/ha, 41 - 80m³/ha, 81 - 120m³/ha,
121 - 160m³/ha, 161 + m³/ha

Size Class Distribution % in 10 - 14cm D.B.H. class

% in 16 - 20cm D.B.H. class

% in 22cm + D.B.H. class

Forest Capability - 7.7 + m ³ /ha/year (MAI)	I
6.3 - 7.6m ³ /ha/year (MAI)	II
5.0 - 6.2m ³ /ha/year (MAI)	III
3.5 - 4.9m ³ /ha/year (MAI)	IV
2.2 - 3.4m ³ /ha/year (MAI)	V
up to 2.1m ³ /ha/year (MAI)	VI

Stand Improvement (Crown Land Only)

No Classification, Site Preparation, Planting,
Cleaning, Conversion Cutting, Salvage Cutting,
Cut-Over Clearing.

Age Class - up to 20 years, 21 - 40, 41 - 60, 61 - 80, 81 - 100, 100 +,
Uneven Aged

Density Class - up to 40%, 41 - 60%, 61 - 80%, 81 - 100%, Overstocked

Age Cut - 1 - 9

Type Cut - Clear Cut, Partial

Ownership - Crown, Large, Small, Federal

Eco Zone - Loucks' Eco Region - Site Districts

Aspect - Level, N.E., S.E., S.W., N.W., Quadrants

Drainage - Well Drained, Imperfectly Drained, Poorly Drained

Elevation 60m classes

Any of this data or combination thereof, would be generally available within 24 hours after requested.

It is also possible to compile inventory data by specifying cruise line numbers plus any other above data or combination thereof. This allows making estimates on areas not covered by other geographical divisions listed above. This technique, using more than 12 cruise line numbers, has not been tested at time of printing and may not be available immediately. The output would be as per Exhibit I or II.

The sampling method is the same as that described in any of the reports published for data gathered 1965 - 71.

Hectares are considered forested unless otherwise labelled.

Gross Volume is solid wood from ground level to the tip of the tree, exclusive of bark.

Gross Merchantable Volume is solid wood from stump height to top merchantable diameter of 10cm exclusive of top, bark and stump.

Crownland - Land owned by the Provincial Government.

Large - Those owning 400 hectares or more.

Small - Those owning less than 400 hectares

Softwood Cover - less than 25% hardwood species by volume.

Mixedwood Cover - 26 - 74% hardwood species by volume.

Hardwood Cover - more than 75% hardwood species by volume.

Some of the comparisons shown in this report show some rather large fluctuations and when using this data the reader has to take into consideration the fact that the further the data is subdivided, the less and less reliable the figures become, and as such some of the comparisons show a great change in magnitude. This may be due to sampling variation and not due to a significant change in that part of the resource

The user is also asked to note the fact that the Dept. of Lands and Forests purchased approximately 20 200 ha. in North Central Subdivision in 1975 which accounts for the changes in the Crown Land and Large Private Ownership category. Most of the purchased land was in Colchester County. Most of the changes indicated in the two Ownership Categories are due to this fact and not to change in the forest itself. This purchased land almost doubled the Crown land in Colchester County.

The reader will also note a rather large increase in the subdivision volume for 1968 to 1976. This was investigated and volumes per hectare for 1968 and 1976 Inventory were compared to volumes per hectare for the permanent sample plot program and 3P sampling projects. The 1968 data was the lowest of the four, with the other three being very close to each other. This indicated that the Sample in 1968 produced a low volume per hectare. A new volume table had to be made because of metric conversion, but the above investigation indicated that the new volume tables are not the sole cause of the increase.

Exhibit 1

09/02/76

TEMPORARY SAMPLE PLOT SEARCH PROGRAM

PAGE 2

REQUEST 01

SPECIES	GROSS VOLUME (CU.FT./ACRE)								GROSS MERCHANTABLE VOLUME (CU.FT./ACRE)							
	D.B.H.								D.B.H.							
	4	5	6	7	8	9	10+	TOTAL	4	5	6	7	8	9	10+	TOTAL
WHITE SPRUCE	3.9	2.3	1.4	0.0	0.0	0.0	0.0	7.6	2.2	1.7	1.0	0.0	0.0	0.0	0.0	4.9
RED & BLACK SPRUCE	1.6	0.0	3.1	0.0	0.0	0.0	0.0	4.7	0.7	0.0	2.5	0.0	0.0	0.0	0.0	3.2
FIR	35.4	27.1	60.5	36.7	34.3	26.8	29.7	250.4	21.2	21.0	50.0	31.4	30.8	24.1	27.6	206.3
HEMLOCK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WHITE PINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RED PINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JACK PINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SCOTCH PINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEDAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOFTWOOD	40.9	29.4	64.9	36.7	34.3	26.8	29.7	262.7	24.1	22.8	53.6	31.4	30.8	24.1	27.6	214.5
SUGAR MAPLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RED MAPLE	0.0	0.0	1.5	2.1	0.0	0.0	0.0	3.5	0.0	0.0	1.1	1.7	0.0	0.0	0.0	2.8
YELLOW BIRCH	0.0	0.0	0.0	0.0	0.0	7.7	11.1	18.8	0.0	0.0	0.0	0.0	0.0	6.6	10.0	16.6
WHITE BIRCH	0.5	0.0	0.0	2.1	2.9	0.0	0.0	5.5	0.3	0.0	0.0	1.7	2.4	0.0	0.0	4.5
OAK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ASPEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GREY BIRCH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WHITE ASH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLACK ASH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHERRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BEECH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BALSAM POPLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MISCELLANEOUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HARDWOOD	0.5	0.0	1.5	4.2	2.9	7.7	11.1	27.8	0.3	0.0	1.1	3.5	2.4	6.6	10.0	23.9
TOTAL	41.5	29.4	66.4	40.8	37.2	34.5	40.8	290.6	24.4	22.8	54.6	34.9	33.3	30.7	37.6	238.4

REQUEST 01

GROSS VOLUME (THOUSAND CUBIC FEET)

GROSS MERCHANTABLE VOLUME (THOUSAND CU. FT.)

SPECIES	D.B.H.			TOTAL	D.B.H.			TOTAL
	4 - 6	7 - 9	10+		4 - 6	7 - 9	10+	
WHITE SPRUCE	23.	0.	0.	23.	14.	0.	0.	15.
RED & BLACK SPRUCE	13.	0.	0.	14.	9.	0.	0.	9.
SPRUCE	376.	299.	91.	769.	282.	264.	84.	634.
EMLOCK	0.	0.	0.	0.	0.	0.	0.	0.
WHITE PINE	0.	0.	0.	0.	0.	0.	0.	0.
RED PINE	0.	0.	0.	0.	0.	0.	0.	0.
ARCH	0.	0.	0.	0.	0.	0.	0.	0.
BLACK PINE	0.	0.	0.	0.	0.	0.	0.	0.
COTTON PINE	0.	0.	0.	0.	0.	0.	0.	0.
REDWOOD	414.	299.	91.	807.	308.	264.	84.	659.
DOUGLASS MAPLE	0.	0.	0.	0.	0.	0.	0.	0.
RED MAPLE	4.	6.	0.	10.	3.	5.	0.	8.
YELLOW BIRCH	0.	23.	34.	57.	0.	20.	30.	50.
WHITE BIRCH	1.	14.	0.	16.	0.	12.	0.	13.
ASK	0.	0.	0.	0.	0.	0.	0.	0.
SPRUE	0.	0.	0.	0.	0.	0.	0.	0.
GREY BIRCH	0.	0.	0.	0.	0.	0.	0.	0.
WHITE ASH	0.	0.	0.	0.	0.	0.	0.	0.
BLACK ASH	0.	0.	0.	0.	0.	0.	0.	0.
HERRY	0.	0.	0.	0.	0.	0.	0.	0.
LM	0.	0.	0.	0.	0.	0.	0.	0.
BEECH	0.	0.	0.	0.	0.	0.	0.	0.
ALBAM POPLAR	0.	0.	0.	0.	0.	0.	0.	0.
MISCELLANEOUS	0.	0.	0.	0.	0.	0.	0.	0.
HARDWOOD	5.	43.	34.	85.	3.	37.	30.	73.
TOTAL	421.	344.	125.	893.	312.	303.	115.	732.

REQUEST 01

GROSS VOLUME / ACRE

AREA 3074. ACRES

ERROR EST. IN PERCENT

	MEAN	S.E.	2/1 ODDS	9/1 ODDS
SOFTWOOD	262.7	59.4	24.0	40.6
HARDWOOD	27.8	14.8	58.0	95.8
TOTAL	290.6	65.2	24.0	40.3

EXHIBIT 2

10/10/78

TEMPORARY SAMPLE PLOT SEARCH PROGRAM

PAGE 2

REQUEST 01

GROSS VOLUME (CU.M./HECTARE)

GROSS MERCHANTABLE VOLUME (CU.M./HECTARE)

D.B.H.

D.B.H.

SPECIES	GROSS VOLUME (CU.M./HECTARE)								GROSS MERCHANTABLE VOLUME (CU.M./HECTARE)							
	10	12	14	16	18	20	22+	TOTAL	10	12	14	16	18	20	22+	TOTAL
WHITE SPRUCE	0.1	0.1	0.3	0.2	0.3	0.2	1.8	3.1	0.0	0.1	0.2	0.2	0.3	0.2	1.6	2.6
RED & BLACK SPRUCE	1.8	2.4	3.1	3.3	2.9	2.8	13.8	30.1	1.2	1.9	2.3	2.7	2.5	2.4	12.4	25.4
FIR	1.7	2.0	2.1	2.4	2.0	2.0	6.8	19.0	1.1	1.2	1.8	1.9	1.7	1.7	6.1	15.6
HEMLOCK	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
WHITE PINE	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8
RED PINE	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
LARCH	0.1	0.1	0.1	0.1	0.1	0.1	0.6	1.2	0.0	0.1	0.1	0.1	0.1	0.1	0.5	1.0
JACK PINE	0.0	0.1	0.1	0.1	0.2	0.3	0.9	1.6	0.0	0.0	0.1	0.1	0.1	0.2	0.8	1.4
SCOTCH PINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CEDAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOFTWOOD	3.7	4.8	5.7	6.2	5.5	5.4	25.2	56.5	2.4	3.4	4.5	5.1	4.7	4.7	22.7	47.5
SUGAR MAPLE	0.4	0.6	0.7	0.8	0.7	0.6	3.2	6.9	0.1	0.4	0.5	0.6	0.6	0.5	2.9	5.5
RED MAPLE	0.6	1.0	1.0	0.9	0.9	0.8	3.7	8.9	0.2	0.6	0.7	0.8	0.8	0.7	3.3	7.0
YELLOW BIRCH	0.1	0.2	0.2	0.4	0.2	0.3	2.7	4.2	0.0	0.1	0.1	0.3	0.2	0.3	2.8	3.9
WHITE BIRCH	0.3	0.4	0.5	0.5	0.3	0.2	0.6	2.7	0.1	0.3	0.3	0.4	0.2	0.2	0.5	2.0
OAK	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
ASPEN	0.1	0.1	0.2	0.1	0.1	0.2	0.6	1.4	0.1	0.1	0.1	0.1	0.1	0.1	0.6	1.3
GREY BIRCH	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
WHITE ASH	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
BLACK ASH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHERRY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ELM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BEECH	0.1	0.1	0.1	0.1	0.1	0.1	0.5	1.1	0.0	0.1	0.1	0.1	0.1	0.1	0.4	0.9
BALSAM POPLAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MISCELLANEOUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HARDWOOD	1.8	2.6	2.7	3.0	2.4	2.2	11.5	26.2	0.6	1.5	1.9	2.4	2.1	1.9	10.4	20.8
TOTAL	5.5	7.3	8.4	9.2	8.0	7.7	36.7	82.7	3.0	4.9	6.5	7.5	6.8	6.5	33.1	68.3

REQUEST 01

GROSS VOLUME (THOUSAND CU. M.)

GROSS MERCHANTABLE VOLUME (THOUSAND CU. M.)

D.B.H.

D.B.H.

SPECIES	GROSS VOLUME (THOUSAND CU. M.)				GROSS MERCHANTABLE VOLUME (THOUSAND CU. M.)			
	10-14	16-20	22+	TOTAL	10-14	16-20	22+	TOTAL
WHITE SPRUCE	40.	65.	153.	262.	27.	55.	140.	225.
RED & BLACK SPRUCE	625.	765.	1178.	2571.	466.	641.	1062.	2172.
FIR	497.	543.	581.	1624.	353.	456.	521.	1334.
HEMLOCK	1.	5.	34.	43.	0.	4.	31.	38.
WHITE PINE	1.	6.	62.	71.	1.	4.	58.	66.
RED PINE	0.	1.	14.	16.	0.	0.	13.	15.
LARCH	20.	28.	48.	99.	15.	23.	43.	84.
JACK PINE	15.	46.	73.	136.	11.	38.	65.	117.
SCOTCH PINE	0.	0.	0.	0.	0.	0.	0.	0.
CEDAR	0.	0.	0.	0.	0.	0.	0.	0.
SOFTWOOD	1207.	1469.	2147.	4826.	882.	1233.	1937.	4054.
SUGAR MAPLE	146.	171.	271.	591.	84.	140.	245.	472.
RED MAPLE	219.	223.	318.	763.	127.	183.	285.	598.
YELLOW BIRCH	41.	83.	231.	359.	23.	67.	209.	302.
WHITE BIRCH	96.	84.	51.	233.	55.	68.	44.	171.
OAK	0.	0.	5.	6.	0.	0.	5.	5.
ASPEN	30.	37.	51.	121.	23.	32.	48.	106.
GREY BIRCH	28.	4.	0.	35.	13.	4.	0.	19.
WHITE ASH	1.	5.	12.	21.	0.	4.	11.	17.
BLACK ASH	0.	0.	0.	0.	0.	0.	0.	0.
CHERRY	0.	0.	0.	0.	0.	0.	0.	0.
ELM	0.	0.	0.	0.	0.	0.	0.	0.
BEECH	25.	31.	38.	96.	14.	25.	34.	75.
BALSAM POPLAR	0.	0.	0.	0.	0.	0.	0.	0.
MISCELLANEOUS	0.	0.	1.	4.	0.	0.	1.	3.
HARDWOOD	600.	646.	984.	2235.	350.	536.	887.	1775.
TOTAL	1808.	2118.	3131.	7061.	1232.	1770.	2825.	5829.

10/10/78

TEMPORARY SAMPLE PLOT SEARCH PROGRAM

PAGE 4

REQUEST 01

GROSS VOLUME / HECTARE

AREA

85382. HECTARES

ERROR EST. IN PERCENT

	MEAN	S.E.	2/1 ODDS	9/1 ODDS
SOFTWOOD	56.5	4.7	8.5	13.5
HARDWOOD	26.2	3.2	12.8	20.2
TOTAL	82.7	4.8	6.1	9.6

NORMAL END OF JOB

LOCAL VOLUME TABLES

METHOD OF CONSTRUCTION

Local volume tables were produced from the sample tree data collected at five points along each cruise line. From this data three height - diameter curves for each species group were calculated using Height/Log Diameter and SPSS statistics package at Dalhousie Computer Centre.

The regressions provided values for total height, merchantable height and stump height. These values were then inserted into Honer's formula to obtain gross and gross merchantable volumes.

Honer's formula for gross volume (cubic metres):

$$\text{Gross Volume} = \frac{0.00438913 [\text{dbh} (1 - 0.04364995t)]^2}{a + \frac{b}{3.28084H}}$$

where dbh = DBHob at 1.3m

H = total height

a and b = constants for each species group

Honer's formula for gross merchantable volume (cubic metres):

Gross Merchantable Volume =

$$\text{Gross Volume} \left[A(X_1 - X_{12}) + c (X_1^2 - X_{12}^2) \right]$$

where $X_1 = \frac{\text{merchantable height}}{\text{total height}}$

$X_{12} = \frac{\text{stump height}}{\text{total height}}$

A and C = constants for each species group

"Gross Volume" is defined as solid cubic contents from ground level to tip of tree, excluding bark. "Gross Merchantable Volume" is always gross merchantable, and means solid cubic contents, excluding bark, from stump height to a minimum top diameter of 10 cm outside bark (or larger if deformity or damage reduces the merchantable length).

Using Honer's formula with the regression values from sample plot data, individual Tree Volume Tables for each species group were produced. These tables follow.

CONSTANTS FOR HONER'S METRIC FORMULA

Species Group	A	B	T	C	D
White Spruce	1.440	+342.175	+.176	2.1158	-1.1419
Spruce (red, black, jack pine, larch)	+1.226	+315.832	+0.169	2.1158	-1.1419
Fir	+2.139	+301.634	+0.152	2.1158	-1.1419
Hemlock, Cedar	+1.112	+350.099	+0.184	2.1158	-1.1419
Pine(white, red, scotch)	0.691	+363.676	+0.184	2.1158	-1.1419
Hardwood except Aspen, Balsam Poplar	+1.046	+383.972	+0.181	2.2378	-1.2290
Aspen & Balsam Poplar	-0.312	+436.683	+0.127	2.2378	-1.2290

NORTH CENTRAL SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

White Spruce

D.B.H.ob (cm)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.025	.013
12	.043	.030
14	.066	.052
16	.094	.076
18	.128	.108
20	.168	.145
22	.214	.188
24	.267	.238
26	.325	.292
28	.381	.350
30	.458	.420
32	.527	.488
34	.621	.574
36	.711	.660
38	.808	.753
40	.913	.854
42	1.026	.961
44	1.141	1.071
46	1.270	1.194
48	1.401	1.321
50	1.540	1.454
52	1.687	1.594
54	1.841	1.742
56	2.005	1.899
58	2.168	2.057
60	2.347	2.229

NORTH CENTRAL SUBDIVISION
 INDIVIDUAL TREE LOCAL VOLUME TABLE
 Red, Black Spruce, Larch & Jack Pine

D.B.H.ob (cm)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.030	.018
12	.050	.036
14	.076	.060
16	.107	.090
18	.145	.125
20	.188	.163
22	.238	.210
24	.294	.264
26	.359	.324
28	.429	.391
30	.506	.464
32	.589	.544
34	.679	.630
36	.778	.724
38	.884	.825
40	.995	.931
42	1.113	1.045
44	1.245	1.171
46	1.379	1.300
48	1.522	1.436
50	1.667	1.578
52	1.827	1.731
54	1.996	1.893
56	2.164	2.054
58	2.341	2.218
60	2.537	2.413

NORTH CENTRAL SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

Balsam Fir

D.B.H.ob (cm)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.030	.017
12	.049	.034
14	.072	.056
16	.100	.082
18	.134	.111
20	.172	.147
22	.215	.188
24	.266	.235
26	.320	.287
28	.382	.345
30	.448	.408
32	.518	.476
34	.597	.551
36	.679	.630
38	.771	.717
40	.867	.809
42	.964	.904
44	1.073	1.007
46	1.188	1.119
48	1.305	1.232
50	1.435	1.355
52	1.565	1.479
54	1.701	1.612
56	1.845	1.750
58	1.995	1.894
60	2.152	2.046

NORTH CENTRAL SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

Hemlock Cedar

D.B.H.ob (cm)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.029	.017
12	.047	.032
14	.069	.052
16	.096	.077
18	.129	.107
20	.166	.141
22	.210	.181
24	.258	.226
26	.313	.277
28	.373	.334
30	.437	.394
32	.510	.463
34	.586	.535
36	.669	.614
38	.758	.700
40	.855	.791
42	.958	.888
44	1.063	.989
46	1.181	1.101
48	1.299	1.215
50	1.425	1.334
52	1.557	1.462
54	1.696	1.594
56	1.842	1.736
58	1.996	1.882
60	2.157	2.035

NORTH CENTRAL SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

White, Red Scotch Pine

D.B.H.ob (cm)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.025	.019
12	.042	.035
14	.064	.056
16	.093	.082
18	.127	.114
20	.166	.151
22	.211	.193
24	.262	.242
26	.321	.298
28	.386	.360
30	.457	.427
32	.534	.501
34	.618	.582
36	.710	.670
38	.809	.764
40	.912	.864
42	1.028	.974
44	1.147	1.088
46	1.274	1.210
48	1.409	1.340
50	1.553	1.478
52	1.697	1.616
54	1.857	1.771
56	2.017	1.925
58	2.195	2.097
60	2.372	2.267

NORTH CENTRAL SUBDIVISION
 INDIVIDUAL TREE LOCAL VOLUME TABLE
 Hardwood Except Aspen, Balsam Poplar

D.B.H.ob (cm)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.033	.019
12	.051	.033
14	.074	.053
16	.102	.078
18	.134	.109
20	.172	.144
22	.214	.184
24	.263	.229
26	.316	.280
28	.374	.335
30	.437	.396
32	.509	.464
34	.584	.538
36	.662	.614
38	.750	.701
40	.840	.790
42	.941	.888
44	1.044	.986
46	1.153	1.095
48	1.268	1.209
50	1.390	1.328
52	1.518	1.437
54	1.653	1.568
56	1.795	1.705
58	1.935	1.844
60	2.090	1.995

NORTH CENTRAL SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

Aspen, Balsam Poplar

D.B.H.ob (cm)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.035	.023
12	.056	.042
14	.082	.067
16	.114	.098
18	.152	.135
20	.196	.178
22	.245	.227
24	.302	.284
26	.366	.348
28	.436	.417
30	.513	.495
32	.599	.572
34	.688	.663
36	.785	.759
38	.895	.868
40	1.009	.982
42	1.125	1.100
44	1.255	1.229
46	1.395	1.367
48	1.535	1.508
50	1.684	1.659
52	1.850	1.823
54	2.016	1.990
56	2.191	2.166
58	2.375	2.351
60	2.567	2.543

TABLE I
 NORTH CENTRAL SUBDIVISION
 1976 DATA IN HECTARES BY
 OWNERSHIP AND LAND CLASS

LAND CLASS	CROWN	LARGE	OWNERSHIP (hectares)		TOTAL
			SMALL	FEDERAL	
Softwood	44 900	103 000	155 000	100	303 100
Mixedwood	25 200	59 100	100 900	700	185 900
Hardwood	15 200	45 500	56 500	600	118 000
Total Forest	85 300	207 700	312 600	1 400	607 100
Non Forest	12 300	20 900	7 000		170 300
Water & Flowage	12 200	2 100	8 200		22 500
Total Non Forest	24 500	23 000	15 200		192 800
TOTAL	110 100	230 800	458 000	1 400	800 900

1 Hectare = 2.47 Acres

TABLE 2
 NORTH CENTRAL SUBDIVISION
 1976 DATA IN HECTARES
 BY OWNERSHIP AND DENSITY CLASS

DENSITY CLASS	CROWN	LARGE	OWNERSHIP (hectares)		TOTAL
			SMALL	FEDERAL	
Up to 40%	8 100	14 300	25 500		48 000
41 - 60%	20 500	46 800	51 000	700	119 100
61 - 80%	46 300	112 900	174 500	700	334 600
81 - 100%	8 100	30 300	54 500		93 000
Overstocked	2 200	3 200	6 700		12 200
Total	85 300	207 700	312 600	1 400	607 100
Total (acres)	210 600	513 000	772 100	3 400	1 499 500

1 Hectare = 2.47 Acres

TABLE 3
 NORTH CENTRAL SUBDIVISION
 1976 DATA IN HECTARES BY
 OWNERSHIP AND AGE CLASS

AGE CLASS	OWNERSHIP (hectares)				TOTAL
	CROWN	LARGE	SMALL	FEDERAL	
Up to 20 years	4 700	14 600	13 000		32 500
21 - 40 years	10 500	15 800	31 700		58 100
41 - 60 years	31 600	52 600	115 800	1 100	201 200
61 - 80 years	19 400	57 500	89 500	300	166 800
81 - 100 years	700	18 400	8 600		27 900
101 + years	400	3 500	900		5 000
Uneven aged	17 700	44 900	52 600		115 400
Total	85 300	207 700	312 600	1 400	607 100
Total (acres)	210 600	313 000	772 100	3 400	1 499 500

1 Hectare = 2.47 Acres

TABLE 4
 NORTH CENTRAL SUBDIVISION
 1976 DATA IN HECTARES BY
 OWNERSHIP AND FOREST CAPABILITY

FOREST CAPABILITY	CROWN	LARGE	OWNERSHIP (hectares)		TOTAL
			SMALL	FEDERAL	
I					
II					
III		200	1 000		1 300
IV	15 400	52 400	96 700		164 600
V	60 500	142 200	200 800	1 400	404 800
VI	9 300	12 700	13 900		36 200
TOTAL	85 300	207 700	312 600	1 400	607 100
Total (acres)	210 600	513 000	772 100	3 400	1 499 500

1 Hectare = 2.47 Acres

TABLE 5
 NORTH CENTRAL SUBDIVISION
 1976 DATA IN HECTARES BY
 OWNERSHIP AND VOLUME PER HECTARE CLASS

VOLUME PER HECTARE CLASS	CROWN	OWNERSHIP (hectares)		FEDERAL	TOTAL
		LARGE	SMALL		
less than 40 m ³ /ha	17 900	39 900	54 500		112 600
41 - 80 m ³ /ha	22 000	38 200	73 100		133 500
81 - 120 m ³ /ha	32 600	69 700	110 500	1 200	214 100
121- 160 m ³ /ha	10 300	39 700	53 400	200	103 500
161 + m ³ /ha	2 300	19 900	20 800		43 200
Total	85 300	207 700	312 600	1 400	607 100
Total (acres)	210 600	513 000	772 100	3 400	1 499 500

1 Cubic Metre per Hectare = 14.29 Cubic Feet per Acre

1 Hectare = 2.47 Acres

TABLE 6
 CUMBERLAND COUNTY
 1976 DATA IN HECTARES BY
 OWNERSHIP AND LAND CLASS

LAND CLASS	CROWN	LARGE	OWNERSHIP (hectares)		TOTAL
			SMALL	FEDERAL	
Softwood	24 300	57 600	70 000	100	152 200
Mixedwood	13 800	33 400	59 100	700	107 100
Hardwood	7 400	21 700	33 100	600	62 900
Total Forest	45 600	112 800	162 300	1 400	322 300
Non Forest	10 200	11 900	76 800		98 900
Water & Flowage	5 900	1 500	6 100		13 500
Total Non Forest	16 100	13 400	82 900		112 400
TOTAL	61 900	126 300	245 300	1 400	435 100

1 Hectare = 2.47 Acres

TABLE 7
 CUMBERLAND COUNTY
 1976 DATA IN HECTARES BY
 OWNERSHIP AND DENSITY CLASS

DENSITY CLASS	OWNERSHIP (hectares)				TOTAL
	CROWN	LARGE	SMALL	FEDERAL	
up to 40%	4 400	7 900	10 400		22 800
41 - 60%	12 200	24 000	27 700	700	64 700
61 - 80%	24 500	60 100	91 900	700	177 200
81 - 100%	3 200	19 000	29 000		51 300
Overstocked	1 100	1 700	3 200		6 000
Total	45 600	112 800	162 300	1 400	322 300
Total (acres)	112 600	278 600	400 800	3 400	796 000

1 Hectare = 2.47 Acres

TABLE 8
 CUMBERLAND COUNTY
 1976 DATA IN HECTARES BY
 OWNERSHIP AND AGE CLASS

AGE CLASS	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
up to 20 years	2 300	6 000	5 600		14 000
21 - 40 years	4 500	8 900	17 500		30 900
41 - 60 years	20 400	26 000	61 300	1 100	108 900
61 - 80 years	7 200	29 000	42 500	300	79 000
81 - 100 years	400	9 800	5 400		15 600
101 + years	400	3 000	800		4 300
Uneven aged	10 200	29 900	29 000		69 200
Total	45 600	112 800	162 300	1 400	322 300
Total (acres)	112 600	278 600	400 800	3 400	<u>796 000</u>

1 Hectare = 2.47 Acres

TABLE 9
 CUMBERLAND COUNTY
 1976 DATA IN HECTARES BY
 OWNERSHIP AND FOREST CAPABILITY

FOREST CAPABILITY	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
I					
II					
III		200			200
IV	3 300	20 700	29 800		53 900
V	35 700	83 300	123 700	1 400	244 100
VI	6 500	8 400	8 700		23 900
Total	45 600	112 800	162 300	1 400	322 300
Total (acres)	112 600	278 600	400 800	3 400	796 000

1 Hectare = 2.47 Acres

TABLE 10
 CUMBERLAND COUNTY
 1976 DATA IN HECTARES BY
 OWNERSHIP AND VOLUME PER HECTARE CLASS

VOLUME PER HECTARE CLASS	CROWN	OWNERSHIP LARGE	(hectares) SMALL	FEDERAL	TOTAL
less than 40 m ³ /ha	9 300	21 600	27 300		58 500
41 - 80 m ³ /ha	12 100	20 200	40 900		73 300
81 - 120 m ³ /ha	18 900	34 300	60 400	1 200	114 800
121 - 160 m ³ /ha	4 500	23 300	25 000	200	53 000
161 + m ³ /ha	700	13 100	8 500		22 400
Total	45 600	112 800	162 300	1 400	322 300
Total (acres)	112 600	278 600	400 800	3 400	796 000

1 Cubic Metre per Hectare = 14.29 Cubic Feet per Acre

1 Hectare = 2.47 Acres

TABLE II
COLCHESTER COUNTY
1976 DATA IN HECTARES BY
OWNERSHIP AND LAND CLASS

LAND CLASS	CROWN	LARGE	OWNERSHIP		TOTAL
			SMALL	(hectares) FEDERAL	
Softwood	20 500	45 300	85 000		150 900
Mixedwood	11 300	25 700	41 700		78 800
Hardwood	7 800	23 800	23 400		55 000
Total Forest	39 700	94 800	150 200		284 800
Non Forest	2 100	9 000	60 300		71 400
Water & Flowage	6 300	600	2 100		9 000
Total Non Forest	8 400	1 500	62 400		80 400
TOTAL	48 200	104 500	212 700		365 800

1 Hectare = 2.47 Acres

TABLE 12
COLCHESTER COUNTY
1976 DATA IN HECTARES BY
OWNERSHIP AND DENSITY CLASS

DENSITY CLASS	CROWN	OWNERSHIP (hectares)		FEDERAL	TOTAL
		LARGE	SMALL		
up to 40%	3 600	6 300	15 100		25 200
41 - 60%	8 200	22 800	23 300		54 300
61 - 80%	21 800	52 800	82 600		157 300
81 - 100%	4 800	11 200	25 500		41 700
Overstocked	1 100	1 500	3 500		6 100
Total	39 700	94 800	150 200		284 800
Total (acres)	98 000	234 100	370 900		703 400

1 Hectare = 2.47 Acres

TABLE 13
 COLCHESTER COUNTY
 1976 DATA IN HECTARES BY
 OWNERSHIP AND AGE CLASS

AGE CLASS	OWNERSHIP (hectares)				TOTAL
	CROWN	LARGE	SMALL	FEDERAL	
up to 20 years	2 300	8 600	7 400		18 400
21 - 40 years	6 000	6 800	14 200		27 100
41 - 60 years	11 200	26 600	54 400		92 300
61 - 80 years	12 100	28 400	47 000		87 700
81 - 100 years	300	8 600	3 200		12 200
101 + years		500	100		700
Uneven aged	7 500	15 000	23 600		46 100
Total	39 700	94 800	150 200		284 800
Total (acres)	98 000	234 100	370 900		703 400

1 Hectare = 2.47 Acres

TABLE 14
 COLCHESTER COUNTY
 1976 DATA IN HECTARES BY
 OWNERSHIP AND FOREST CAPABILITY

FOREST CAPABILITY	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
I					
II					
III			1 000		1 000
IV	12 000	31 600	66 900		110 600
V	24 700	58 800	77 100		160 700
VI	2 800	4 300	5 100		12 300
Total	39 700	94 800	150 200		284 800
Total (acres)	98 000	230 100	370 900		703 400

1 Hectare = 2.47 Acres

TABLE 15
 COLCHESTER COUNTY
 1976 DATA IN HECTARES BY
 OWNERSHIP AND VOLUME PER HECTARE CLASS

VOLUME PER HECTARE CLASS	CROWN	OWNERSHIP (hectares)		FEDERAL	TOTAL
		LARGE	SMALL		
less than 40 m ³ /ha	8 600	18 200	27 200		54 100
41 - 80 m ³ /ha	9 900	18 000	32 100		60 100
81 - 120 m ³ /ha	13 600	35 400	50 100		99 200
121 - 160 m ³ /ha	5 700	16 400	28 300		50 500
161 + m ³ /ha	1 600	6 800	12 300		20 700
Total	39 700	94 800	150 200		284 800
Total (acres)	98 000	234 100	370 900		703 400

1 Cubic Metre per Hectare = 14.29 cubic Feet per Acre

1 Hectare = 2.47 Acres

TABLE 16
 NORTH CENTRAL SUBDIVISION
 1976 VOLUME DATA IN CUBIC METRES
 BY OWNERSHIP AND COVER TYPE

COVER TYPE	SPECIES	CROWN	OWNERSHIP		(Thousands Gross Merchantable Cubic Metres)	
			LARGE	SMALL	FEDERAL	TOTAL
SOFTWOOD	Softwood	2 692	8 606	11 800	18	23 113
	Hardwood	171	810	1 047		2 032
	Total	2 863	9 416	12 848	18	25 146
MIXEDWOOD	Softwood	1 215	3 017	4 616	28	8 876
	Hardwood	753	1 917	3 084	22	5 776
	Total	1 968	4 934	7 700	50	14 653
HARDWOOD	Softwood	146	789	584	8	1 530
	Hardwood	850	2 517	3 076	29	6 471
	Total	997	3 306	3 661	38	8 002
TOTAL	Softwood	4 054	12 411	17 003	54	33 516
	Hardwood	1 775	5 245	7 207	51	14 279
	Total	5 829	17 656	24 210	106	47 795
TOTAL (cubic feet)	Softwood	143 163	438 282	600 443	1 907	1 183 584
	Hardwood	62 682	185 221	254 508	1 801	504 248
	Total	205 845	623 504	854 951	3 743	1 687 832

1 Cubic Metre = 35.314 Cubic Feet

TABLE 17
 NORTH CENTRAL SUBDIVISION
 1976 VOLUME DATA IN CUBIC METRES BY
 OWNERSHIP AND DENSITY CLASS

DENSITY CLASS	SPECIES	CROWN	OWNERSHIP		Gross Merchantable FEDERAL	Cubic Metres) TOTAL
			LARGE	(Thousands SMALL		
Up to 40%	Softwood	127	249	494		871
	Hardwood	67	126	259		453
	Total	195	375	753		1 324
41 - 60%	Softwood	768	1 870	2 034	17	4 689
	Hardwood	443	1 507	919	30	2 899
	Total	1 212	3 378	2 953	47	7 588
61 - 80%	Softwood	2 473	7 306	9 918	37	19 736
	Hardwood	1 178	3 062	4 827	21	9 090
	Total	3 652	10 368	14 745	58	28 826
81 - 100%	Softwood	574	2 741	4 077		7 392
	Hardwood	72	529	1 151		1 752
	Total	646	3 270	5 228		9 144
Overstocked	Softwood	110	244	479		834
	Hardwood	13	21	50		85
	Total	123	265	530		919
Total	Softwood	4 054	12 411	17 003	54	33 516
	Hardwood	1 775	5 245	7 207	51	14 279
	Total	5 829	17 656	24 210	106	47 795
Total (cubic feet)	Softwood	143 163	438 282	600 443	1 907	1 183 584
	Hardwood	62 682	185 221	254 508	1 801	504 248
	Total	205 845	623 504	854 951	3 743	1 687 832

1 Cubic Metre = 35.314 Cubic Feet

TABLE 18
 NORTH CENTRAL SUBDIVISION
 1976 VOLUME DATA IN CUBIC METRES BY
 OWNERSHIP AND AGE CLASS

AGE CLASS	SPECIES	CROWN	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)			TOTAL
			LARGE	SMALL	FEDERAL	
Up to 20 years	Softwood	36	136	84		258
	Hardwood	11	81	42		135
	Total	48	217	127		393
21 - 40 years	Softwood	276	465	964		1 706
	Hardwood	84	219	354		658
	Total	360	685	1 318		2 364
41 - 60 years	Softwood	1 399	2 889	6 101	44	10 435
	Hardwood	804	1 350	2 696	45	4 897
	Total	2 203	4 239	8 798	89	15 333
61 - 80 years	Softwood	1 208	3 975	6 041	10	11 235
	Hardwood	558	1 836	2 668	6	5 068
	Total	1 767	5 811	8 710	16	16 303
81 - 100 years	Softwood	43	1 554	618		2 217
	Hardwood	33	744	353		1 132
	Total	77	2 299	971		3 349
101 + years	Softwood	72	416	42		532
	Hardwood	8	87	55		151
	Total	81	504	98		684
Uneven Aged	Softwood	1 016	2 973	3 150		7 140
	Hardwood	274	725	1 036		2 236
	Total	1 290	3 899	4 187		9 376
Total	Softwood	4 054	12 411	17 003	54	33 516
	Hardwood	1 775	5 245	7 207	51	14 279
	Total	5 829	17 656	24 210	106	47 795
Total (Cubic Feet)	Softwood	143 163	438 282	600 443	1 907	1 183 584
	Hardwood	62 682	185 221	254 508	1 809	504 248
	Total	205 845	623 504	854 951	3 743	1 687 832

1 Cubic Metre = 35.314 Cubic Feet

TABLE 19
 NORTH CENTRAL SUBDIVISION
 1976 VOLUME DATA IN CUBIC METRES BY
 OWNERSHIP AND FOREST CAPABILITY

FOREST CAPABILITY	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				TOTAL
		CROWN	LARGE	SMALL	FEDERAL	
I	Softwood					
	Hardwood					
	Total					
II	Softwood					
	Hardwood					
	Total					
III	Softwood		11	121		133
	Hardwood		18	10		28
	Total		30	132		162
IV	Softwood	745	2 769	5 432		8 947
	Hardwood	543	2 083	3 020		5 647
	Total	1 288	4 853	8 452		14 594
V	Softwood	2 954	9 093	10 899	54	22 999
	Hardwood	1 177	3 066	4 025	51	8 318
	Total	4 131	12 160	14 924	106	31 317
VI	Softwood	354	537	548		1 442
	Hardwood	53	75	150		282
	Total	408	612	699		1 724
Total	Softwood	4 054	12 411	17 003	54	33 516
	Hardwood	1 775	5 245	7 207	51	14 279
	Total	5 829	17 656	24 210	106	47 795
Total (cubic feet)	Softwood	143 163	438 282	600 443	1 907	1 183 584
	Hardwood	62 682	185 221	254 508	1 809	504 248
	Total	205 845	623 504	854 951	3 743	1 687 832

1 Cubic metre = 35.314 cubic feet

TABLE 20
NORTH CENTRAL SUBDIVISION
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND VOLUME PER HECTARE CLASS

VOLUME PER HECTARE CLASS	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				TOTAL
		CROWN	LARGE	SMALL	FEDERAL	
less than 40 m ³ /ha	Softwood	223	647	1 062		1 934
	Hardwood	97	297	451		848
	Total	320	945	1 513		2 783
41 - 80 m ³ /ha	Softwood	891	1 253	2 661		4 806
	Hardwood	342	974	1 395		2 532
	Total	1 234	2 047	4 057		7 339
81 - 120 m ³ /ha	Softwood	1 733	4 344	6 197	46	12 320
	Hardwood	958	2 069	2 970	51	6 045
	Total	2 692	6 413	9 168	97	18 365
121 - 160 m ³ /ha	Softwood	930	3 616	4 562	8	9 117
	Hardwood	284	1 376	1 754		3 418
	Total	1 215	4 992	6 317	8	12 535
161 + m ³ /ha	Softwood	274	2 550	2 518		5 343
	Hardwood	92	709	634		1 435
	Total	366	3 260	3 153		6 779
Total	Softwood	4 054	12 411	17 003	54	33 516
	Hardwood	1 775	5 245	7 207	51	14 279
	Total	5 829	17 656	24 210	106	47 795
Total (Cubic Feet)	Softwood	143 163	438 282	600 443	1 907	1 183 584
	Hardwood	62 682	185 221	254 508	1 809	504 248
	Total	205 845	623 504	854 951	3 743	1 687 832

1 cubic metre per hectare = 14.29 cubic feet per acre

1 cubic metre = 35.314 cubic feet

TABLE 21
NORTH CENTRAL SUBDIVISION
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND SPECIES

SPECIES	OWNERSHIP (Thousands of Gross Merchantable Cubic Metres)				TOTAL
	CROWN	LARGE	SMALL	FEDERAL	
White Spruce	225	512	2 462		3 200
Spruce (red & black)	2 172	7 479	6 821	33	16 500
Fir	1 334	3 927	6 257	6	11 523
Hemlock	38	259	727		1 024
White Pine	66	121	195	2	385
Red Pine	15	12	24		52
Larch	84	65	370	11	532
Jack Pine	117	32	145		295
Other Softwood					
Total Softwoods	4 054	12 411	17 003	54	33 516
Sugar Maple	472	1 476	1 324		3 272
Red Maple	598	1 559	2 534	16	4 709
Yellow Birch	302	1 468	987		2 759
White Birch	171	219	476	15	882
Oak	5	16	23		45
Aspen	106	225	1 214	12	1 560
Grey Birch	19	35	211		273
White Ash	17	29	86		134
Black Ash			1		2
Cherry			3		4
Beech	75	207	304		588
Miscellaneous	3	6	36	6	45
Total Hardwoods	1 775	5 245	7 207	51	14 279
Total All Species	5 829	17 656	24 210	106	47 795

1 Cubic Metre = 35.314 Cubic Feet

TABLE 22
 NORTH CENTRAL SUBDIVISION
 1976 VOLUME DATA IN CUBIC METRES BY
 OWNERSHIP AND SIZE CLASS

SIZE CLASS	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				TOTAL
		CROWN	LARGE	SMALL	FEDERAL	
10 - 14 cm D.B.H.	Softwood	882	1 875	3 365	5	6 130
	Hardwood	350	730	1 355	15	2 454
	Total	1 232	2 607	4 721	21	8 585
16 - 20 cm D.B.H.	Softwood	1 233	3 137	5 194	17	9 584
	Hardwood	536	1 240	2 148	19	3 945
	Total	1 770	4 378	7 344	36	13 530
22 + cm D.B.H.	Softwood	1 937	7 396	8 440	29	17 799
	Hardwood	887	3 272	3 701	15	7 877
	Total	2 825	10 669	12 142	45	25 676
Total	Softwood	4 054	12 411	17 003	54	33 516
	Hardwood	1 775	5 245	7 207	51	14 279
	Total	5 829	17 656	24 210	106	47 795
Total (cubic feet)	Softwood	143 163	438 282	600 443	1 907	1 183 584
	Hardwood	62 682	185 221	254 508	1 801	504 248
	Total	205 845	623 504	854 951	3 743	1 687 832

1 Cubic Metre = 35.314 Cubic Feet

TABLE 23
CUMBERLAND COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND COVER TYPE

COVER TYPE	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				TOTAL
		CROWN	LARGE	SMALL	FEDERAL	
Softwood	Softwood	1 492	5 336	5 311	18	12 154
	Hardwood	86	414	473		977
	Total	1 578	5 750	5 784	18	13 132
Mixedwood	Softwood	656	1 830	2 701	28	5 217
	Hardwood	338	923	1 654	22	2 937
	Total	995	2 754	4 356	50	8 155
Hardwood	Softwood	50	407	298	8	766
	Hardwood	382	1 049	1 622	29	3 082
	Total	432	1 457	1 921	38	3 848
Total	Softwood	2 198	7 573	8 311	54	18 137
	Hardwood	807	2 388	3 750	51	6 997
	Total	3 006	9 962	12 061	106	25 135
Total	Softwood	77 620	267 432	293 494	1 907	640 490
	Hardwood	28 498	84 329	132 427	1 809	247 092
	Total	106 153	351 798	425 886	3 743	887 617

1 Cubic Metre = 35.314 Cubic Feet

TABLE 24
CUMBERLAND COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND DENSITY CLASS

DENSITY CLASS	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				TOTAL
		CROWN	LARGE	SMALL	FEDERAL	
up to 40%	Softwood	86	128	185		400
	Hardwood	22	80	77		180
	Total	108	209	262		581
41 - 60%	Softwood	468	1 109	1 119	17	2 713
	Hardwood	237	654	525	30	1 446
	Total	706	1 764	1 645	47	4 160
61 - 80%	Softwood	1 322	4 391	5 043	37	10 796
	Hardwood	495	1 294	2 352	21	4 164
	Total	1 818	5 685	7 396	63	14 961
81 - 100%	Softwood	248	1 802	1 752		3 803
	Hardwood	43	351	762		1 157
	Total	291	2 153	2 514		4 960
Overstocked	Softwood	72	141	210		424
	Hardwood	8	7	32		48
	Total	80	149	242		472
Total	Softwood	2 198	7 573	8 311	54	18 137
	Hardwood	807	2 388	3 750	51	6 997
	Total	3 006	9 962	12 061	106	25 135
Total	Softwood	77 620	267 432	293 494	1 907	640 490
	Hardwood	28 498	84 329	132 427	1 809	247 092
	Total	106 153	351 798	425 886	3 743	887 617

1 Cubic Metre = 35.314 Cubic Feet

TABLE 25
 CUMBERLAND COUNTY
 1976 VOLUME DATA IN CUBIC METRES BY
 OWNERSHIP AND AGE CLASS

AGE CLASS	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				TOTAL
		CROWN	LARGE	SMALL	FEDERAL	
Up to 20 years	Softwood	17	51	24		93
	Hardwood	0	27	15		44
	Total	18	78	40		137
21 - 40 years	Softwood	67	202	531		801
	Hardwood	34	111	143		289
	Total	102	314	674		1 091
41 - 60 years	Softwood	892	1 505	2 931	44	5 374
	Hardwood	542	570	1 521	45	2 680
	Total	1 434	2 076	4 453	89	8 055
61 - 80 years	Softwood	544	2 366	2 935	10	5 855
	Hardwood	122	737	1 128	6	1 993
	Total	666	3 103	4 064	16	7 849
81 - 100 years	Softwood	26	1 094	377		1 498
	Hardwood	12	321	226		561
	Total	39	1 415	604		2 059
101 +	Softwood	67	360	41		469
	Hardwood	8	65	49		123
	Total	75	426	91		593

TABLE 25 Continued
 CUMBERLAND COUNTY
 1976 VOLUME DATA IN CUBIC METRES BY
 OWNERSHIP AND AGE CLASS

OWNERSHIP (Thousands Gross Merchantable Cubic Metres)						
AGE CLASS	SPECIES	CROWN	LARGE	SMALL	FEDERAL	TOTAL
Uneven aged	Softwood	582	1 993	1 468		4 045
	Hardwood	86	554	663		1 304
	Total	669	2 547	2 132		5 349
TOTAL	Softwood	2 198	7 573	8 311	54	18 137
	Hardwood	807	2 388	3 750	51	6 997
	Total	3 006	9 962	12 061	106	25 135
TOTAL (Cubic Feet)	Softwood	77 620	267 432	293 494	1 907	640 490
	Hardwood	28 498	84 329	132 427	1 809	247 092
	Total	106 153	351 798	425 922	3 743	887 617

1 Cubic Metre = 35.314 Cubic Feet

TABLE 26
CUMBERLAND COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND FOREST CAPABILITY

FOREST CAPABILITY	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				TOTAL
		CROWN	LARGE	SMALL	FEDERAL	
I	Softwood					
	Hardwood					
	Total					
II	Softwood					
	Hardwood					
	Total					
III	Softwood		11			11
	Hardwood		18			18
	Total		30			30
IV	Softwood	205	1 236	1 327		2 769
	Hardwood	116	825	992		1 934
	Total	322	2 062	2 319		4 703
V	Softwood	1 752	5 959	6 660	54	14 425
	Hardwood	645	1 489	2 637	51	4 822
	Total	2 397	7 449	9 297	106	19 247
VI	Softwood	241	366	323		931
	Hardwood	44	54	120		221
	Total	286	420	444		1 153
TOTAL	Softwood	2 198	7 573	8 311	54	18 137
	Hardwood	807	2 388	3 750	51	6 997
	Total	3 006	9 962	12 061	106	25 135
TOTAL (cubic feet)	Softwood	77 620	267 432	293 494	1 907	640 490
	Hardwood	28 498	84 329	132 427	1 809	247 092
	Total	106 153	351 798	425 922	3 743	887 617

1 Cubic Metre = 35.314 Cubic Feet

TABLE 27
CUMBERLAND COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND VOLUME PER HECTARE CLASS:

VOLUME PER HECTARE CLASS	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)					TOTAL
	SPECIES	CROWN	LARGE	SMALL	FEDERAL	
less than 40 m ³ /ha	Softwood	125	348	520		995
	Hardwood	21	152	168		344
	Total	146	500	688		1 339
41 - 80 m ³ /ha	Softwood	483	716	1 426		2 626
	Hardwood	160	335	782		1 277
	Total	643	1 051	2 208		3 903
81 - 120 m ³ /ha	Softwood	1 016	2 232	3 235	46	6 529
	Hardwood	535	840	1 655	51	3 078
	Total	1 552	3 073	4 891	97	9 607
121 - 160 m ³ /ha	Softwood	457	2 447	2 195	8	5 107
	Hardwood	72	677	811		1 563
	Total	529	3 124	3 006	8	6 671
161 + m ³ /ha	Softwood	116	1 830	934		2 880
	Hardwood	18	382	333		733
	Total	134	2 212	1 267		3 614
Total	Softwood	2 198	7 573	8 311	54	18 137
	Hardwood	807	2 388	3 750	51	6 997
	Total	3 006	9 962	12 061	106	25 135
Total (cubic feet)	Softwood	77 620	267 432	293 494	1 907	640 490
	Hardwood	28 498	84 329	132 427	1 809	247 092
	Total	106 153	351 798	425 922	3 743	887 617

1 Cubic Metre per Hectare = 14.29 Cubic Feet per Acre

1 Cubic Metre = 35.314 Cubic Feet

TABLE 28
CUMBERLAND COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND SPECIES

SPECIES	OWNERSHIP (Thousands of Gross Merchantable Cubic Metres)				
	CROWN	LARGE	SMALL	FEDERAL	TOTAL
White Spruce	141	205	829	0	1 176
Spruce (red & black)	1 374	5 309	4 129	33	10 844
Fir	416	1 787	2 589	6	4 799
Hemlock	14	134	288	0	437
White Pine	63	74	125	2	266
Red Pine	15	6	17	0	39
Larch	55	24	187	11	278
Jack Pine	117	33	144	0	295
Other Softwood	0	0	0	0	0
Total Softwood	2 198	7 573	8 311	54	18 137
Sugar Maple	98	539	469	0	1 108
Red Maple	367	804	1 327	16	2 515
Yellow Birch	54	569	349	0	973
White Birch	159	152	373	15	701
Oak	0	0	6	0	6
Aspen	86	187	855	12	1 142
Grey Birch	14	26	153	0	200
White Ash	8	15	59	0	83
Black Ash	0	0	0	0	0
Cherry	0	0	0	0	1
Beech	14	90	142	0	247
Miscellaneous	2	2	10	6	17
Total Hardwood	807	2 388	3 750	51	6 997
Total All Species	3 006	9 962	12 061	106	25 135

1 Cubic Metre = 35.314 Cubic Feet

TABLE 29
 CUMBERLAND COUNTY
 1976 VOLUME DATA IN CUBIC METRES BY
 OWNERSHIP AND SIZE CLASS

SIZE CLASS	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				TOTAL
		CROWN	LARGE	SMALL	FEDERAL	
10 - 14 cm D.B.H.	Softwood	454	1 013	1 672	5	3 150
	Hardwood	214	367	826	15	1 426
	Total	670	1 380	2 500	21	4 578
16 - 20 cm D.B.H.	Softwood	691	1 837	2 593	17	5 141
	Hardwood	295	590	1 219	19	2 129
	Total	989	2 430	3 814	36	7 272
22 + cm D.B.H.	Softwood	1 050	4 721	4 042	29	9 842
	Hardwood	294	1 426	1 702	15	3 439
	Total	1 344	6 148	5 744	45	13 281
Total	Softwood	2 198	7 573	8 311	54	18 137
	Hardwood	807	2 388	3 750	51	6 997
	Total	3 006	9 962	12 061	106	25 135
Total (cubic feet)	Softwood	74 159	264 855	293 106	1 907	639 183
	Hardwood	28 251	81 222	130 661	1 801	243 666
	Total	105 942	349 608	423 768	3 743	886 381

1 Cubic Metre = 35.314 Cubic Feet

TABLE 30
COLCHESTER COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND COVER TYPE

COVER TYPE	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				TOTAL
		CROWN	LARGE	SMALL	FEDERAL	
SOFTWOOD	Softwood	1 200	3 273	6 486		10 962
	Hardwood	85	395	574		1 054
	Total	1 285	3 668	7 063		12 017
MIXEDWOOD	Softwood	558	1 187	1 914		3 660
	Hardwood	414	993	1 429		2 836
	Total	973	2 180	3 343		6 497
HARDWOOD	Softwood	96	381	286		764
	Hardwood	468	1 467	1 452		3 387
	Total	564	1 848	1 738		4 152
TOTAL	Softwood	1 855	4 842	8 689		15 386
	Hardwood	967	2 855	3 456		7 279
	Total	2 823	7 697	12 146		22 665
TOTAL (cubic feet)	Softwood	66 250	172 928	310 321		549 500
	Hardwood	34 535	101 964	123 429		259 964
	Total	100 821	274 892	433 785		809 464

1 Cubic Metre = 35.314 Cubic Feet

TABLE 31
COLCHESTER COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND DENSITY CLASS

OWNERSHIP (Thousands Gross Merchantable Cubic Metres)						
DENSITY CLASS	SPECIES	CROWN	LARGE	SMALL	FEDERAL	TOTAL
Up to 40%	Softwood	40	120	309		470
	Hardwood	45	45	181		272
	Total	86	166	490		743
41 - 60%	Softwood	300	762	914		1 976
	Hardwood	205	852	394		1 452
	Total	505	1 614	1 308		3 428
61 - 80%	Softwood	1 151	2 917	4 874		8 942
	Hardwood	681	1 766	2 473		4 921
	Total	1 833	4 684	7 348		13 864
81 - 100%	Softwood	326	938	2 322		3 587
	Hardwood	28	177	389		596
	Total	354	1 116	2 712		4 183
Overstocked	Softwood	37	102	269		410
	Hardwood	5	13	18		36
	Total	43	116	287		447
Total	Softwood	1 855	4 842	8 689		15 386
	Hardwood	967	2 855	3 456		7 279
	Total	2 823	7 697	12 146		22 665
Total (cubic feet)	Softwood	66 250	172 928	310 321		549 500
	Hardwood	34 535	101 964	123 429		259 964
	Total	100 821	274 892	433 785		809 464

1 Cubic Metre = 35.314 Cubic Feet

TABLE 32
COLCHESTER COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND AGE CLASS

AGE CLASS	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				TOTAL
		CROWN	LARGE	SMALL	FEDERAL	
Up to 20 years	Softwood	18	85	60		164
	Hardwood	11	53	26		91
	Total	29	139	86		255
21 - 40 years	Softwood	207	263	432		903
	Hardwood	50	107	210		368
	Total	258	371	643		1 272
41 - 60 years	Softwood	507	1 383	3 168		5 059
	Hardwood	262	779	1 175		2 217
	Total	769	2 163	4 343		7 276
61 - 80 years	Softwood	665	1 610	3 106		5 382
	Hardwood	435	1 098	1 538		3 072
	Total	1 100	2 709	4 645		8 454
81 - 100 years	Softwood	17	462	240		720
	Hardwood	21	422	126		570
	Total	38	885	367		1 291
101 + years	Softwood	5	56	1		62
	Hardwood	0	21	5		27
	Total	5	78	7		90
Uneven Aged	Softwood	433	980	1 680		3 094
	Hardwood	187	370	373		931
	Total	620	1 351	2 053		4 025
Total	Softwood	1 855	4 842	8 689		15 386
	Hardwood	967	2 855	3 456		7 279
	Total	2 823	7 697	12 146		22 665
Total (Cubic Feet)	Softwood	65 507	170 990	306 843		543 341
	Hardwood	34 148	100 821	122 045		257 050
	Total	99 691	271 811	428 923		800 391

1 Cubic Metre = 35.314 Cubic Feet

TABLE 33
COLCHESTER COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND FOREST CAPABILITY
OWNERSHIP (Thousands Gross Merchantable Cubic Metres)

FOREST CAPABILITY	SPECIES	CROWN	LARGE	SMALL	FEDERAL	TOTAL
I	Softwood					
	Hardwood					
	Total					
II	Softwood					
	Hardwood					
	Total					
III	Softwood			121		121
	Hardwood			10		10
	Total			132		132
IV	Softwood	539	1 533	4 103		6 176
	Hardwood	426	1 258	2 028		3 713
	Total	966	2 792	6 131		9 890
V	Softwood	1 202	3 137	4 239		8 578
	Hardwood	531	1 575	1 388		3 495
	Total	1 733	4 712	5 627		12 073
VI	Softwood	113	171	225		510
	Hardwood	9	21	30		60
	Total	122	192	255		570
Total	Softwood	1 855	4 842	8 689		15 386
	Hardwood	967	2 855	3 456		7 279
	Total	2 823	7 697	12 146		22 665
Total (Cubic Feet)	Softwood	65 507	170 990	306 843		543 341
	Hardwood	34 148	100 821	122 045		257 050
	Total	99 691	271 811	428 923		800 391

1 Cubic Metre = 35.314 Cubic Feet

TABLE 34
COLCHESTER COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND VOLUME PER HECTARE CLASS
OWNERSHIP (Thousands Gross Merchantable Cubic Metres)

VOLUME PER HECTARE CLASS	SPECIES	CROWN	LARGE	SMALL	FEDERAL	TOTAL
less than 40 m ³ /ha	Softwood	98	299	542		939
	Hardwood	76	145	282		503
	Total	174	444	824		1 443
41 - 80 m ³ /ha	Softwood	408	537	1 234		2 180
	Hardwood	182	458	613		1 253
	Total	590	995	1 848		3 434
81 - 120 m ³ /ha	Softwood	717	2 113	2 960		5 791
	Hardwood	423	1 227	1 315		2 965
	Total	1 140	3 340	4 276		8 757
121 - 160 m ³ /ha	Softwood	473	1 170	2 368		4 012
	Hardwood	211	698	943		1 853
	Total	685	1 869	3 311		5 865
161 + m ³ /ha	Softwood	158	721	1 584		2 464
	Hardwood	73	326	301		702
	Total	232	1 047	1 886		3 166
Total	Softwood	1 855	4 842	8 689		15 386
	Hardwood	967	2 855	3 456		7 279
	Total	2 823	7 697	12 146		22 665
Total (cubic feet)	Softwood	65 507	170 990	306 843		543 341
	Hardwood	34 148	100 821	122 045		257 050
	Total	99 691	271 811	428 923		800 391

1 Cubic Metre = 14.29 Cubic Feet per Acre

1 Cubic Metre = 35.314 Cubic Feet

TABLE 35
COLCHESTER COUNTY
1976 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND SPECIES

SPECIES	OWNERSHIP (Thousands of Gross Merchantable Cubic Metres)				TOTAL
	CROWN	LARGE	SMALL	FEDERAL	
White Spruce	84	306	1 630		2 021
Spruce (red & black)	799	2 177	2 695		5 671
Fir	916	2 137	3 664		6 717
Hemlock	23	125	438		586
White Pine	3	47	69		120
Red Pine	0	6	6		13
Larch	29	41	183		253
Jack Pine	0	0	1		1
Other Softwood	0	0	0		0
Total Softwoods	1 855	4 842	8 689		15 386
Sugar Maple	373	934	853		2 160
Red Maple	231	755	1 207		2 194
Yellow Birch	247	898	637		1 783
White Birch	12	67	103		182
Oak	5	16	17		39
Aspen	20	38	360		419
Grey Birch	5	8	59		73
White Ash	9	14	27		51
Black Ash	0	0	0		1
Cherry	0	0	2		2
Beech	61	116	162		340
Miscellaneous	0	3	24		28
Total Hardwoods	967	2 855	3 456		7 279
All Species	2 823	7 697	12 146		22 665

1 Cubic Metre = 35.314 Cubic Feet

TABLE 36
 COLCHESTER COUNTY
 1976 VOLUME DATA IN CUBIC METRES BY
 OWNERSHIP AND SIZE CLASS
 OWNERSHIP (Thousands Gross Merchantable Cubic Metres)

SIZE CLASS	SPECIES	CROWN	LARGE	SMALL	FEDERAL	TOTAL
10 - 14 cm D.B.H.	Softwood	425	860	1 690		2 980
	Hardwood	134	362	528		1 026
	Total	561	1 224	2 219		4 008
16 - 20 cm D.B.H.	Softwood	540	1 299	2 600		4 440
	Hardwood	238	646	928		1 815
	Total	780	1 947	3 528		6 257
22 + cm D.B.H.	Softwood	887	2 679	4 397		7 963
	Hardwood	592	1 844	1 998		4 434
	Total	1 479	4 523	6 395		12 397
Total	Softwood	1 855	4 842	8 689		15 386
	Hardwood	967	2 855	3 456		7 279
	Total	2 823	7 697	12 146		22 665
Total (cubic feet)	Softwood	65 507	170 990	306 843		543 341
	Hardwood	34 148	100 821	122 045		257 050
	Total	99 691	271 811	428 923		800 391

1 Cubic Metre = 35.314 Cubic Feet

TABLE 37
NORTH CENTRAL SUBDIVISION
COMPARISON 1968 AND 1976 AREA DATA BY
OWNERSHIP AND LAND CLASS

LAND CLASS & OWNERSHIP	1968	Hectares 1976	Difference	Difference %
CROWN				
Softwood	36 400	44 900	8 500	23
Mixedwood	16 500	25 200	8 700	52
Hardwood	17 500	15 200	-2 300	- 13
Total Forest	70 500	85 300	14 800	20
Non Forest	8 000	12 300	4 300	53
Water & Flowage	2 000	12 200	10 200	510
Total Non Forest	10 100	24 500	14 400	142
TOTAL	80 600	110 100	29 500	36
LARGE				
Softwood	113 800	103 000	- 10 800	- 09
Mixedwood	63 400	59 100	- 4 300	- 06
Hardwood	55 400	45 500	- 9 900	- 17
Total Forest	232 700	207 700	- 25 000	- 10
Non Forest	10 500	20 900	10 400	99
Water & Flowage	2 300	2 100	-200	-8
Total Non Forest	12 800	23 000	10 200	79
TOTAL	245 600	230 800	-14 800	-6
SMALL				
Softwood	167 000	155 000	- 12 000	- 07
Mixedwood	116 700	100 900	- 15 800	- 13
Hardwood	66 600	56 500	- 10 100	- 15
Total Forest	350 400	312 600	- 37 800	- 10
Non Forest	108 400	137 100	28 700	26
Water & Flowage	15 600	8 200	7 400	47
Total Non Forest	124 000	145 300	21 300	17
TOTAL	474 500	458 000	16 500	3
ALL OWNERS				
Softwood	317 400	303 100	- 14 300	- 04
Mixedwood	196 700	185 900	- 10 800	- 05
Hardwood	139 600	118 000	- 21 600	- 15
Total Forest	653 800	607 100	- 46 700	- 07
Non Forest	127 000	170 300	43 300	34
Water & Flowage	20 000	22 500	2 500	12
Total Non Forest	147 000	192 800	45 800	31
TOTAL	800 900	800 900	00	00

1 Hectare = 2.47 Acres

TABLE 38
NORTH CENTRAL SUBDIVISION
COMPARISON 1968 AND 1976 AREA DATA BY
OWNERSHIP AND DENSITY CLASS

OWNERSHIP & DENSITY CLASS	Hectares		Difference	Difference %
	1968	1976		
CROWN				
up to 40%	22 800	8 100	-14 700	-64
41 - 60%	18 400	20 500	2 100	11
61 - 80%	27 100	46 300	19 200	70
81 - 100%	2 000	8 100	6 100	305
Overstocked	-	2 200	2 200	2 200
TOTAL	70 500	85 300	14 800	20
LARGE				
up to 40%	61 200	14 300	-46 900	-76
41 - 60%	74 200	46 800	-27 400	-36
61 - 80%	87 200	112 900	25 700	29
81 - 100%	9 200	30 300	21 100	229
Overstocked	700	3 200	2 500	357
TOTAL	232 700	207 700	-25 000	-10
SMALL				
up to 40%	104 200	25 500	-78 700	-75
41 - 60%	111 400	51 000	-60 400	-54
61 - 80%	118 800	174 500	55 700	46
81 - 100%	14 500	54 500	40 000	275
Overstocked	1 300	6 700	5 400	415
TOTAL	350 400	312 600	-37 800	-10
ALL OWNERS				
up to 40%	188 400	48 000	-140 400	-74
41 - 60%	204 100	119 100	-85 000	-41
61 - 80%	233 200	334 600	101 400	43
81 - 100%	25 900	93 000	67 100	259
Overstocked	2 100	12 200	10 100	480
TOTAL	653 800	607 100	-46 700	-07

1 Hectare = 2.47 Acres

TABLE 39
 NORTH CENTRAL SUBDIVISION
 COMPARISON 1968 AND 1976 AREA DATA BY
 OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Hectares		Difference	Difference %
	1968	1976		
CROWN				
up to 20 years	2 400	4 700	2 300	95
21 - 40 years	12 200	10 500	-1 700	-13
41 - 60 years	39 000	31 600	-7 400	-18
61 - 80 years	16 200	19 400	3 200	19
81 - 100 years	200	700	500	250
101 + years	100	400	300	300
Uneven Aged	100	17 700	17 600	1 760
TOTAL	70 500	85 300	14 800	20
LARGE				
up to 20 years	8 200	14 600	6 400	78
21 - 40 years	27 400	15 800	-11 600	-42
41 - 60 years	95 500	52 600	-42 900	-44
61 - 80 years	87 400	57 500	-29 900	-34
81 - 100 years	10 000	18 400	8 400	84
101 + years	2 400	3 500	1 100	45
Uneven Aged	1 600	44 900	43 300	2 706
TOTAL	232 700	207 700	-25 000	-10
SMALL				
up to 20 years	22 500	13 000	-9 500	-42
21 - 40 years	50 400	31 700	-18 700	-37
41 - 60 years	175 600	115 800	-59 800	-34
61 - 80 years	88 200	89 500	1 300	01
81 - 100 years	9 700	8 600	-1 100	-11
101 + years	800	900	100	12
Uneven aged	3 000	52 600	49 600	1 653
TOTAL	350 400	312 600	-37 800	-10
ALL OWNERS				
up to 20 years	33 400	32 500	-900	-02
21 - 40 years	90 000	58 100	-31 900	-35
41 - 60 years	310 100	201 200	-108 900	-35
61 - 80 years	191 800	166 800	-25 000	-13
81 - 100 years	20 100	27 900	7 800	38
101 + years	3 400	5 000	1 600	47
Uneven Aged	4 700	115 400	110 700	2 355
TOTAL	653 800	607 100	-46 700	-07

1 Hectare = 2.47 Acres

TABLE 40
CUMBERLAND COUNTY
COMPARISON 1968 AND 1976 AREA DATA BY
OWNERSHIP AND LAND CLASS

LAND CLASS & OWNERSHIP	Hectares		Difference	Difference %
	1968	1976		
CROWN				
Softwood	28 300	24 300	-4 000	-14
Mixedwood	10 200	13 800	3 600	35
Hardwood	11 200	7 400	-3 800	-33
Total Forest	49 800	45 600	-4 200	-08
Non Forest	4 600	10 200	5 600	121
Water & Flowage	800	5 900	5 100	637
Total Nonforest	5 500	16 100	10 600	192
TOTAL	55 400	61 900	6 500	11
LARGE				
Softwood	54 200	57 600	3 400	06
Mixedwood	31 700	33 400	1 700	05
Hardwood	27 700	21 700	-6 000	-21
Total Forest	113 800	112 800	-1 000	-01
Non Forest	6 200	11 900	5 700	91
Water & Flowage	1 000	1 500	500	50
Total Nonforest	7 200	13 400	6 200	86
TOTAL	121 000	126 300	5 300	4
SMALL				
Softwood	77 500	70 000	-7 500	-09
Mixedwood	63 800	59 100	-4 700	-07
Hardwood	39 100	33 100	-6 000	-15
Total Forest	180 500	162 300	-18 200	-10
Non Forest	68 400	76 800	8 400	12
Water & Flowage	9 500	6 100	-3 400	-35
Total Nonforest	77 900	82 900	5 000	6
TOTAL	258 400	245 300	-13 100	-05
ALL OWNERS				
Softwood	160 300	152 200	-8 100	-05
Mixedwood	105 800	107 100	1 300	01
Hardwood	78 100	62 900	-15 200	-19
Total Forest	344 200	322 300	-21 900	-06
Non Forest	79 300	98 900	19 600	24
Water & Flowage	11 400	13 500	2 100	18
Total Nonforest	90 800	112 400	21 600	23
TOTAL	435 100	435 100	0	0

1 Hectare = 2.47 Acres

TABLE 41
 CUMBERLAND COUNTY
 COMPARISON 1968 AND 1976 AREA DATA BY
 OWNERSHIP AND DENSITY CLASS

OWNERSHIP AND DENSITY CLASS	HECTARES			
	1968	1976	Difference	Difference %
CROWN				
Up to 40%	16 600	4 400	-12 200	-73
41 - 60%	13 800	12 200	-1 600	-11
61 - 80%	17 800	24 500	6 700	37
81 - 100%	1 500	3 200	1 700	113
Overstocked		1 100	1 100	1 100
TOTAL	49 800	45 600	-4 200	-08
LARGE				
Up to 40%	26 500	7 900	-18 600	-70
41 - 60%	40 100	24 000	-16 100	-40
61 - 80%	44 000	60 100	16 100	36
81 - 100%	3 000	19 000	16 000	533
Overstocked		1 700	1 700	1 700
TOTAL	113 800	112 800	-1 000	0
SMALL				
Up to 40%	54 500	10 400	-44 100	-80
41 - 60%	61 300	27 700	-33 600	-54
61 - 80%	58 900	91 900	33 000	56
81 - 100%	5 000	29 000	24 000	480
Overstocked	600	3 200	2 600	433
TOTAL	180 500	162 300	-18 200	-10
ALL OWNERS				
Up to 40%	97 700	22 800	-74 900	-76
41 - 60%	115 200	64 700	-50 500	-43
61 - 80%	120 800	177 200	56 400	46
81 - 100%	9 600	51 300	41 700	434
Overstocked	700	6 000	5 300	757
TOTAL	344 200	322 300	-21 900	-06

1 Hectare = 2.47 Acres

TABLE 42
CUMBERLAND COUNTY
COMPARISON 1968 AND 1976 AREA DATA BY
OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Hectares			
	1968	1976	Difference	Difference %
CROWN				
Up to 20 years	1 000	2 300	1 300	130
21 - 40 years	10 200	4 500	-5 700	-55
41 - 60 years	32 700	20 400	-12 300	-37
61 - 80 years	5 500	7 200	1 700	30
81 - 100 years		400	400	400
101 + years	100	400	300	300
Uneven Aged		10 200	10 200	10 200
TOTAL	49 800	45 600	-4 200	-08
LARGE				
Up to 20 years	500	6 000	5 500	1 100
21 - 40 years	14 900	8 900	-6 000	-40
41 - 60 years	49 700	26 000	-23 700	-47
61 - 80 years	39 300	29 000	-10 300	-26
81 - 100 years	6 300	9 800	3 500	55
101 + years	2 000	3 000	1 000	50
Uneven Aged	800	29 900	29 100	3 637
TOTAL	113 800	112 800	-1 000	0
SMALL				
Up to 20 years	11 400	5 600	-5 800	-50
21 - 40 years	29 100	17 500	-11 600	-39
41 - 60 years	101 600	61 300	-40 300	-39
61 - 80 years	33 100	42 500	9 400	28
81 - 100 years	3 400	5 400	2 000	58
101 + years	600	800	200	33
Uneven Aged	900	29 000	28 100	3 122
TOTAL	180 500	162 300	-18 200	-10
ALL OWNERS				
Up to 20 years	13 100	14 000	900	06
21 - 40 years	54 300	30 900	-23 400	-43
41 - 60 years	184 100	108 900	-75 200	-40
61 - 80 years	78 000	79 000	1 000	01
81 - 100 years	9 900	15 600	5 700	57
101 + years	2 900	4 300	1 400	48
Uneven Aged	1 700	69 200	67 500	3 970
TOTAL	344 200	322 300	-21 900	-06

1 Hectare = 2.47 Acres

TABLE 43
COLCHESTER COUNTY
COMPARISON 1968 AND 1976 AREA DATA BY
OWNERSHIP AND LAND CLASS

LAND CLASS & OWNERSHIP	Hectares		Difference	Difference
	1968	1976		
CROWN				
Softwood	8 000	20 500	12 500	156
Mixedwood	6 200	11 300	5 100	82
Hardwood	6 300	7 800	1 500	23
Total Forest	20 600	39 700	19 100	92
Non Forest	3 300	2 100	-1 200	-36
Water & Flowage	1 100	6 300	5 200	472
Total Non Forest	4 500	8 400	3 900	86
TOTAL	25 200	48 200	23 000	91
LARGE				
Softwood	59 500	45 300	-14 200	-23
Mixedwood	31 700	25 700	-6 000	-18
Hardwood	27 600	23 800	-3 800	-13
Total Forest	118 900	94 800	-24 100	-20
Non Forest	4 200	9 000	4 800	114
Water & Flowage	1 200	600	-600	-50
Total Non Forest	5 500	9 600	4 100	74
TOTAL	124 500	104 500	-20 000	-16
SMALL				
Softwood	89 400	85 000	-4 400	-04
Mixedwood	52 900	41 700	-11 200	-21
Hardwood	27 500	23 400	-4 100	-14
Total Forest	169 900	150 200	-19 700	-11
Non Forest	40 000	60 300	20 300	50
Water & Flowage	6 000	2 100	1 300	21
Total Non Forest	46 000	62 400	16 400	35
TOTAL	216 000	212 700	-3 300	-01
ALL OWNERS				
Softwood	157 100	150 900	-6 200	-03
Mixedwood	90 900	78 800	-12 100	-13
Hardwood	61 500	55 000	-6 500	-10
Total Forest	309 500	284 800	-24 700	-07
Non Forest	47 600	71 400	23 800	50
Water & Flowage	8 500	9 000	500	05
Total Non Forest	56 200	80 400	24 200	43
TOTAL	365 800	365 800	0	0

1 Hectare = 2.47 Acres

TABLE 44
COLCHESTER COUNTY
COMPARISON 1968 AND 1976 AREA DATA BY
OWNERSHIP AND DENSITY CLASS

OWNERSHIP AND DENSITY CLASS	Hectares		Difference	Difference %
	1968	1976		
CROWN				
up to 40%	6 100	3 600	-2 500	-40
41 - 60%	4 600	8 200	3 600	78
61 - 80%	9 200	21 800	12 600	136
81 - 100%	500	4 800	4 300	860
Overstocked		1 100	1 100	1 100
TOTAL	20 600	39 700	19 100	92
LARGE				
up to 40%	34 000	6 300	-27 700	-81
41 - 60%	34 100	22 800	-11 300	-33
61 - 80%	43 200	52 800	9 600	22
81 - 100%	6 200	11 200	5 000	80
Overstocked	600	1 500	900	150
TOTAL	118 900	94 800	-24 100	-20
SMALL				
up to 40%	49 700	15 100	-34 600	-69
41 - 60%	50 000	23 300	-26 700	-53
61 - 80%	59 800	82 600	22 800	38
81 - 100%	9 500	25 500	16 000	168
Overstocked	700	3 500	2 800	400
TOTAL	169 900	150 200	-19 700	-11
ALL OWNERS				
up to 40%	90 600	25 200	-65 400	-72
41 - 60%	88 800	54 300	-34 500	-38
61 - 80%	112 400	157 300	44 900	39
80 - 100%	16 200	41 700	25 500	157
Overstocked	1 400	6 100	4 700	335
TOTAL	309 500	284 800	-24 700	-07

1 Hectare = 2.47 Acres

TABLE 45
COLCHESTER COUNTY
COMPARISON 1968 AND 1976 AREA DATA BY
OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Hectares		Difference	Difference %
	1968	1976		
CROWN				
up to 20 years	1 400	2 300	900	64
21 - 40 years	1 900	6 000	4 100	215
41 - 60 years	6 200	11 200	5 000	80
61 - 80 years	10 600	12 100	1 500	14
81 - 100 years	100	300	200	200
101 + years	0	0	0	0
Uneven Aged	100	7 500	7 400	7 400
TOTAL	20 600	39 700	19 100	92
LARGE				
up to 20 years	7 600	8 600	1 000	13
21 - 40 years	12 400	6 800	-5 600	-45
41 - 60 years	45 800	26 600	-19 200	-41
61 - 80 years	48 000	28 400	-19 600	-40
81 - 100 years	3 700	8 600	4 900	132
101 + years	400	500	100	25
Uneven Aged	700	15 000	14 300	2 042
TOTAL	118 900	94 800	-24 100	-20
SMALL				
up to 20 years	11 100	7 400	-3 700	-33
21 - 40 years	21 200	14 200	-7 000	-33
41 - 60 years	73 900	54 400	-19 500	-26
61 - 80 years	55 000	47 000	-8 000	-14
81 - 100 years	6 200	3 200	-3 000	-48
101 + years	100	100	0	0
Uneven Aged	2 100	23 600	21 500	1 023
TOTAL	169 900	150 200	-19 700	-11
ALL OWNERS				
up to 20 years	20 200	18 400	-1 800	-08
21 - 40 years	35 700	27 100	-8 600	-24
41 - 60 years	126 000	92 300	-33 700	-26
61 - 80 years	113 800	87 700	-26 100	-22
81 - 100 years	10 100	12 200	2 100	20
101 + years	500	700	200	40
Uneven Aged	3 000	46 100	43 100	1 436
TOTAL	309 500	284 800	-24 700	-07

1 Hectare = 2.47 Acres

TABLE 46
NORTH CENTRAL SUBDIVISION
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND COVER TYPE

OWNERSHIP AND COVER TYPE	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
CROWN				
Softwood	1 758	2 863	1 105	62
Mixedwood	838	1 968	1 130	134
Hardwood	809	997	188	23
TOTAL	3 406	5 829	2 423	71
LARGE				
Softwood	9 288	9 416	128	01
Mixedwood	3 941	4 934	993	25
Hardwood	2 563	3 306	743	28
TOTAL	15 793	17 656	1 863	11
SMALL				
Softwood	10 917	12 848	1 931	17
Mixedwood	6 351	7 700	1 349	21
Hardwood	2 780	3 661	881	31
TOTAL	20 050	24 210	4 160	20
ALL OWNERS				
Softwood	21 965	25 146	3 181	14
Mixedwood	11 132	14 653	3 521	31
Hardwood	6 154	8 002	1 848	30
TOTAL	39 251	47 795	8 544	21

1 Cubic Metre = 35.314 Cubic Feet

TABLE 47
NORTH CENTRAL SUBDIVISION
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND DENSITY CLASS

OWNERSHIP AND DENSITY CLASS	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
CROWN				
up to 40%	507	195	-312	-61
41 - 60%	940	1 212	272	28
61 - 80%	1 859	3 652	1 793	96
81 - 100%	96	646	550	572
Overstocked	2	123	121	6 050
TOTAL	3 406	5 829	2 423	71
LARGE				
up to 40%	2 632	375	-2 257	-85
41 - 60%	5 473	3 378	-2 095	-38
61 - 80%	6 881	10 368	3 487	50
80 - 100%	774	3 270	2 496	322
Overstocked	31	265	234	754
TOTAL	15 793	17 656	1 863	11
SMALL				
up to 40%	3 016	753	-2 263	-75
41 - 60%	6 770	2 953	-3 817	-56
61 - 80%	9 163	14 745	5 582	60
81 - 100%	1 069	5 228	4 159	389
Overstocked	30	530	500	1 666
TOTAL	20 050	24 210	4 070	20
ALL OWNERS				
up to 40%	6 156	1 324	-4 832	-78
41 - 60%	13 185	7 588	-5 597	-42
61 - 80%	17 905	28 826	10 921	60
81 - 100%	1 940	9 144	7 204	371
Overstocked	64	919	855	1 335
TOTAL	39 251	47 795	8 544	21

1 Cubic Metre = 35.314 Cubic Feet

TABLE 48
NORTH CENTRAL SUBDIVISION
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
CROWN				
up to 20 years	27	48	21	77
21 - 40 years	166	360	194	116
41 - 60 years	2 207	2 203	-4	0
61 - 80 years	960	1 767	807	84
81 - 100 years	24	77	53	220
101 + years	7	81	74	1 057
Uneven Aged	12	1 290	1 278	10 650
TOTAL	3 406	5 829	2 423	71
LARGE				
up to 20 years	74	217	143	193
21 - 40 years	804	685	-119	-14
41 - 60 years	6 818	4 239	-2 579	-37
61 - 80 years	6 737	5 811	-926	-13
81 - 100 years	994	2 299	1 305	131
101 + years	276	504	228	82
Uneven Aged	87	3 899	3 812	4 381
TOTAL	15 793	17 656	1 863	11
SMALL				
up to 20 years	77	127	50	64
21 - 40 years	1 206	1 318	112	09
41 - 60 years	11 302	8 798	-2 504	-22
61 - 80 years	6 391	8 710	2 319	36
81 - 100 years	774	971	197	25
101 + years	82	98	16	19
Uneven Aged	216	4 187	3 971	1 838
TOTAL	20 050	24 210	4 160	20
ALL OWNERS				
up to 20 years	179	393	214	119
21 - 40 years	2 177	2 364	187	08
41 - 60 years	20 328	15 333	-4 995	-24
61 - 80 years	14 089	16 303	2 214	15
81 - 100 years	1 793	3 349	1 556	86
101 + years	366	684	318	86
Uneven Aged	316	9 376	9 060	2 867
TOTAL	39 251	47 795	8 544	21

1 Cubic Metre = 35.314 Cubic Feet

TABLE 49
 NORTH CENTRAL SUBDIVISION
 COMPARISON 1968 AND 1976 VOLUME DATA BY
 OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES CROWN	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
White Spruce	71	225	154	216
Spruce (red & black) 1	324	2 172	848	64
Fir	608	1 334	726	119
Hemlock	11	38	27	245
Pines	87	81	-6	-06
Other Softwood	211	201	-10	-04
TOTAL Softwood	2 314	4 054	1 740	75
Sugar Maple	214	472	258	120
Red Maple	413	598	185	44
Yellow Birch	140	302	162	115
White Birch	173	171	-2	-01
Aspen	95	106	11	11
Other Hardwood	55	119	64	116
TOTAL Hardwood	1 092	1 775	683	62
TOTAL	3 406	5 829	2 423	71

1 Cubic Metre = 35.314 Cubic Feet

TABLE 50
 NORTH CENTRAL SUBDIVISION
 COMPARISON 1968 AND 1976 VOLUME DATA BY
 OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
LARGE				
White Spruce	319	512	193	60
Spruce (red & black)	6 861	7 479	618	09
Fir	3 812	3 927	115	03
Hemlock	220	259	39	17
Pines	82	133	51	62
Other Softwood	145	97	-48	-33
TOTAL Softwood	11 442	12 411	969	08
Sugar Maple	1 287	1 476	189	14
Red Maple	1 212	1 559	347	28
Yellow Birch	1 197	1 468	271	22
White Birch	166	219	53	31
Aspen	162	225	63	38
Other Hardwood	325	293	-32	-09
TOTAL Hardwood	4 351	5 245	894	20
TOTAL	15 793	17 656	1 863	11

1 Cubic Metre = 35.314 Cubic Feet

TABLE 51
 NORTH CENTRAL SUBDIVISION
 COMPARISON 1968 AND 1976 VOLUME DATA BY
 OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres			Difference %
	1968	1976	Difference	
SMALL				
White Spruce	1 643	2 462	819	49
Spruce (red & black)	6 262	6 821	559	08
Fir	5 176	6 257	1 081	20
Hemlock	799	727	-72	-09
Pines	216	219	3	01
Other Softwood	328	515	187	57
TOTAL Softwood	14 427	17 003	2 576	17
Sugar Maple	990	1 324	334	33
Red Maple	2 165	2 534	369	17
Yellow Birch	786	987	251	34
White Birch	306	476	170	55
Aspen	865	1 214	349	40
Other Hardwood	558	724	166	29
TOTAL Hardwood	5 622	7 207	1 585	28
TOTAL	20 050	24 210	4 160	20

1 Cubic Metre = 35.314 Cubic Feet

TABLE 52
NORTH CENTRAL SUBDIVISION
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
ALL OWNERS				
White Spruce	2 034	3 200	1 166	57
Spruce (red & black)	14 449	16 500	2 051	14
Fir	9 597	11 523	1 926	20
Hemlock	1 032	1 024	-8	0
Pines	385	437	52	13
Other Softwood	684	827	143	20
TOTAL Softwood	28 184	33 516	5 332	18
Sugar Maple	2 492	3 272	780	31
Red Maple	3 791	4 709	918	24
Yellow Birch	2 074	2 759	685	33
White Birch	646	882	236	36
Aspen	1 123	1 560	437	38
Other Hardwood	938	1 091	153	16
TOTAL Hardwood	11 066	14 279	3 213	29
TOTAL	39 251	47 795	8 544	21

1 Cubic Metre = 35.314 Cubic Feet

TABLE 53
CUMBERLAND COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND COVER TYPE

OWNERSHIP AND COVER TYPE	Gross Merchantable 1968	Cubic Metres 1976	Difference	Difference %
CROWN				
Softwood	1 321	1 578	257	19
Mixedwood	508	995	487	95
Hardwood	471	432	-39	08
TOTAL	2 302	3 006	704	30
LARGE				
Softwood	5 332	5 750	418	07
Mixedwood	2 163	2 754	591	27
Hardwood	1 106	1 457	351	31
TOTAL	8 602	9 962	1 360	15
SMALL				
Softwood	5 227	5 784	557	10
Mixedwood	3 166	4 356	1 190	37
Hardwood	1 393	1 921	528	37
TOTAL	9 786	12 061	2 275	23
ALL OWNERS				
Softwood	11 881	13 132	1 251	10
Mixedwood	5 838	8 155	2 317	39
Hardwood	2 972	3 848	876	29
TOTAL	20 692	25 135	4 443	21

1 Cubic Metre = 35.314 Cubic Feet

TABLE 54
CUMBERLAND COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND DENSITY CLASS

OWNERSHIP AND DENSITY CLASS	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
CROWN				
up to 40%	297	108	-189	-63
41 - 60%	681	706	25	03
61 - 80%	1 267	1 818	551	43
81 - 100%	56	291	235	419
Overstocked		80	80	800
TOTAL	2 302	3 006	704	30
LARGE				
up to 40%	1 283	209	-1 074	-83
40 - 60%	3 198	1 764	-1 434	-44
61 - 80%	3 752	5 685	1 933	51
81 - 100%	363	2 153	1 790	493
Overstocked	3	149	146	4 866
TOTAL	8 602	9 962	1 360	15
SMALL				
up to 40%	1 470	262	-1 208	-82
40 - 60%	3 497	1 645	-1 852	-52
61 - 80%	4 401	7 396	2 995	68
81 - 100%	404	2 514	2 110	522
Overstocked	12	242	230	1 916
TOTAL	9 786	12 061	2 275	23
ALL OWNERS				
up to 40%	3 051	581	-2 470	-80
41 - 60%	7 377	4 160	-3 217	-43
61 - 80%	9 422	14 961	5 539	58
81 - 100%	824	4 960	4 136	501
Overstocked	16	472	456	2 850
TOTAL	20 692	25 135	4 443	21

1 Cubic Metre = 35.314 Cubic Feet

TABLE 55
CUMBERLAND COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND AGE CLASS

OWNERSHIP & AGE CLASS	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
CROWN				
up to 20 years	2	18	16	800
21 - 40 years	108	102	-6	-05
41 - 60 years	1 825	1 434	-391	-21
61 - 80 years	351	666	315	89
81 - 100 years	8	39	31	387
101 + years	7	75	68	971
Uneven Aged		669	669	
TOTAL	2 302	3 006	704	30
LARGE				
up to 20 years	3	78	75	2 500
21 - 40 years	382	314	-68	-17
41 - 60 years	3 593	2 076	-1 517	-42
61 - 80 years	3 573	3 103	-470	-13
81 - 100 years	756	1 415	659	87
101 + years	247	426	179	72
Uneven Aged	46	2 547	2 501	5 436
TOTAL	8 602	9 962	1 360	15
SMALL				
up to 20 years	35	40	5	14
21 - 40 years	590	674	84	14
41 - 60 years	6 221	4 453	-1 768	-28
61 - 80 years	2 546	4 064	1 518	59
81 - 100 years	291	604	313	107
101 + years	60	91	31	51
Uneven Aged	40	2 132	2 092	5 230
TOTAL	9 786	12 061	2 275	23
ALL OWNERS				
up to 20 years	41	137	96	234
21 - 40 years	1 081	1 091	10	0
41 - 60 years	11 640	8 055	-3 585	-30
61 - 80 years	6 471	7 849	1 378	21
81 - 100 years	1 056	2 059	1 003	94
101 + years	315	593	278	88
Uneven Aged	86	5 349	5 263	6 119
TOTAL	20 692	25 135	4 443	21

1 Cubic Metre = 35.314 Cubic Feet

TABLE 56
CUMBERLAND COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
CROWN				
White Spruce	48	141	93	193
Spruce (red & black)	1 067	1 374	307	28
Fir	261	416	155	59
Hemlock	3	14	11	366
Pines	80	195	115	143
Other Softwood	200	55	-145	-72
TOTAL Softwood	1 662	2 198	536	32
Sugar Maple	42	98	56	133
Red Maple	294	367	73	24
Yellow Birch	34	54	20	58
White Birch	164	159	-5	-03
Aspen	79	86	7	08
Other Hardwood	25	38	13	52
TOTAL Hardwood	640	807	167	26
TOTAL	2 302	3 006	704	30

1 Cubic Metre = 35.314 Cubic Feet

TABLE 57
 CUMBERLAND COUNTY
 COMPARISON 1968 AND 1976 VOLUME DATA BY
 OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
LARGE				
White Spruce	110	205	95	86
Spruce (red & black)	4 636	5 309	673	14
Fir	1 526	1 787	261	17
Hemlock	110	134	24	21
Pines	48	113	65	135
Other Softwood	117	24	-93	-79
TOTAL Softwood	6 550	7 573	1 023	15
Sugar Maple	512	539	27	05
Red Maple	606	804	198	32
Yellow Birch	525	569	44	08
White Birch	117	152	35	29
Aspen	133	187	54	40
Other Hardwood	155	133	-22	-14
TOTAL Hardwood	2 052	2 388	336	16
TOTAL	8 602	9 962	1 360	15

1 Cubic Metre = 35.314 Cubic Feet

TABLE 58
CUMBERLAND COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
SMALL				
White Spruce	693	829	136	19
Spruce (red & black)	3 809	4 129	320	08
Fir	2 064	2 589	525	25
Hemlock	241	288	47	19
Pines	139	286	147	105
Other Softwood	197	187	-10	-05
TOTAL Softwood	7 146	8 311	1 165	16
Sugar Maple	355	469	114	32
Red Maple	952	1 327	375	39
Yellow Birch	280	349	69	24
White Birch	202	373	171	84
Aspen	503	855	352	69
Other Hardwood	346	370	24	06
TOTAL Hardwood	2 640	3 750	1 110	42
TOTAL	9 786	12 061	2 275	23

1 Cubic Metre = 35.314 Cubic Feet

TABLE 59
 CUMBERLAND COUNTY
 COMPARISON 1968 AND 1976 VOLUME DATA BY
 OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
ALL OWNERS				
White Spruce	851	1 176	325	38
Spruce (red & black)	9 513	10 844	1 331	13
Fir	3 852	4 799	947	24
Hemlock	355	437	82	23
Pines	268	600	332	123
Other Softwood	516	278	-238	-46
TOTAL Softwood	15 359	18 137	2 778	18
Sugar Maple	910	1 108	198	21
Red Maple	1 852	2 515	663	35
Yellow Birch	840	973	133	15
White Birch	484	701	217	44
Aspen	717	1 142	425	59
Other Hardwood	527	554	27	05
TOTAL Hardwood	5 332	6 997	1 665	31
TOTAL	20 692	25 135	4 443	21

1 Cubic Metre = 35.314 Cubic Feet

TABLE 60
COLCHESTER COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND COVER TYPE

OWNERSHIP & COVER TYPE CROWN	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
Softwood	436	1 285	849	194
Mixedwood	329	973	644	195
Hardwood	337	564	227	67
TOTAL	1 104	2 823	1 719	155
LARGE				
Softwood	3 956	3 668	-288	-07
Mixedwood	1 778	2 180	402	22
Hardwood	1 456	1 848	392	26
TOTAL	7 191	7 697	506	07
SMALL				
Softwood	5 690	7 063	1 373	24
Mixedwood	3 185	3 343	158	04
Hardwood	1 387	1 738	351	25
TOTAL	10 263	12 146	1 883	18
ALL OWNERS				
Softwood	10 083	12 017	1 934	19
Mixedwood	5 293	6 497	1 204	22
Hardwood	3 181	4 152	971	30
TOTAL	18 559	22 665	4 106	22

1 Cubic Metre = 35.314 Cubic Feet

TABLE 61
COLCHESTER COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND DENSITY CLASS

OWNERSHIP AND DENSITY CLASS	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
CROWN				
up to 40%	210	86	-124	-59
41 - 60%	259	505	246	94
61 - 80%	592	1 833	1 241	209
81 - 100%	40	354	314	785
Overstocked	2	43	41	2 050
TOTAL	1 104	2 823	1 719	155
LARGE				
up to 40%	1 348	166	-1 182	-87
41 - 60%	2 275	1 614	-661	-29
61 - 80%	3 128	4 684	1 556	49
81 - 100%	410	1 116	706	172
Overstocked	27	116	89	329
TOTAL	7 191	7 697	506	07
SMALL				
up to 40%	1 546	490	-1 056	-68
41 - 60%	3 273	1 308	-1 956	-60
61 - 80%	4 761	7 348	2 587	54
81 - 100%	664	2 712	2 048	308
Overstocked	18	287	269	1 494
TOTAL	10 263	12 146	1 883	18
ALL OWNERS				
up to 40%	3 105	743	-2 362	-76
41 - 60%	5 807	3 428	-2 379	-40
61 - 80%	8 482	13 864	5 382	63
81 - 100%	1 115	4 183	3 068	275
Overstocked	48	447	399	831
TOTAL	18 559	22 665	4 106	22

1 Cubic Metre = 35.314 Cubic Feet

TABLE 62
COLCHESTER COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
CROWN				
up to 20 years	25	29	4	16
21 - 40 years	58	258	200	344
41 - 60 years	382	769	387	101
61 - 80 years	609	1 100	491	80
81 - 100 years	16	38	22	137
101 + years		5	5	500
Uneven Aged	12	620	608	5 066
TOTAL	1 104	2 823	1 719	155
LARGE				
up to 20 years	71	139	68	95
21 - 40 years	421	371	-50	-11
41 - 60 years	3 224	2 163	-1 061	-32
61 - 80 years	3 164	2 709	-455	-14
81 - 100 years	238	885	647	271
101 + years	28	78	50	178
Uneven Aged	41	1 351	1 310	3 195
TOTAL	7 191	7 697	506	07
SMALL				
up to 20 years	42	86	44	104
21 - 40 years	615	643	28	04
41 - 60 years	5 081	4 343	-738	-14
61 - 80 years	3 844	4 645	801	20
81 - 100 years	482	367	-115	-23
101 + years	21	7	-14	-66
Uneven Aged	175	2 053	1 878	1 073
TOTAL	10 263	12 146	1 883	18
ALL OWNERS				
up to 20 years	138	255	117	84
21 - 40 years	1 095	1 272	177	16
41 - 60 years	8 688	7 276	-1 412	-16
61 - 80 years	7 618	8 454	836	10
81 - 100 years	736	1 291	555	75
101 + years	50	90	40	80
Uneven Aged	230	4 025	3 795	1 650
TOTAL	18 559	22 665	4 106	22

1 Cubic Metre = 35.314 Cubic Feet

TABLE 63
COLCHESTER COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP & SPECIES CROWN	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
White Spruce	23	84	61	265
Spruce (red & black)	257	799	542	210
Fir	346	916	570	164
Hemlock	8	23	15	187
Pines	8	3	-5	-62
Other Softwood	8	29	21	262
TOTAL Softwood	652	1 855	1 203	184
Sugar Maple	172	373	201	116
Red Maple	119	231	112	94
Yellow Birch	105	247	142	135
White Birch	8	12	4	50
Aspen	16	20	4	25
Other Hardwood	29	80	51	175
TOTAL Hardwood	452	967	515	113
TOTAL	1 104	2 823	1 719	155

1 Cubic Metre = 35.314 Cubic Feet

TABLE 64
COLCHESTER COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP & SPECIES	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
LARGE				
White Spruce	208	306	98	47
Spruce (red & black)	2 225	2 177	-48	-02
Fir	2 286	2 137	-149	-06
Hemlock	110	125	15	13
Pines	33	53	20	60
Other Softwood	27	41	14	51
TOTAL SOFTWOOD	4 891	4 842	-49	-01
Sugar Maple	774	934	160	20
Red Maple	605	755	150	24
Yellow Birch	672	898	226	33
White Birch	48	67	19	39
Aspen	28	38	10	35
Other Hardwood	168	157	-11	-06
TOTAL Hardwood	2 298	2 855	557	24
TOTAL	7 191	7 647	456	06

1 Cubic Metre = 35.314 Cubic Feet

TABLE 65
COLCHESTER COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP & SPECIES	Gross Merchantable Cubic Metres			
	1968	1976	Difference	Difference %
SMALL				
White Spruce	950	1 630	680	71
Spruce (red & black)	2 453	2 695	242	09
Fir	3 111	3 664	553	17
Hemlock	558	438	-120	-21
Pines	76	76	0	0
Other Softwood	130	183	53	40
TOTAL Softwood	7 281	8 689	1 408	19
Sugar Maple	635	853	218	34
Red Maple	1 213	1 207	-6	0
Yellow Birch	456	637	181	39
White Birch	103	103	0	0
Aspen	361	360	-1	0
Other Hardwood	209	291	82	39
TOTAL Softwood	2 980	3 456	476	15
TOTAL	10 263	12 146	1 883	18

1 Cubic Metre = 35.314 Cubic Feet

TABLE 66
COLCHESTER COUNTY
COMPARISON 1968 AND 1976 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP & SPECIES	Gross Merchantable		Cubic Metres	
	1968	1976	Difference	Difference %
ALL OWNERS				
White Spruce	1 182	2 021	839	70
Spruce (red & black)	4 936	5 671	735	14
Fir	5 744	6 717	973	16
Hemlock	676	586	-90	13
Pines	118	134	16	13
Other Softwood	166	253	87	52
TOTAL Softwood	12 825	15 386	2 561	19
Sugar Maple	1 582	2 160	578	36
Red Maple	1 939	2 194	255	13
Yellow Birch	1 234	1 783	549	44
White Birch	161	182	21	13
Aspen	405	419	14	03
Other Hardwood	407	534	127	31
TOTAL Hardwood	5 730	7 279	1 549	27
TOTAL	18 559	22 665	4 106	22

1 Cubic Metre = 35.314 Cubic Feet

TABLE 67
NORTH CENTRAL SUBDIVISION
COMPARISON 1955, 1968 AND 1976 AREA DATA BY
COUNTY AND LAND CLASS

COUNTY AND LAND CLASS	Hectares			Diff: % 1955-68	Diff: % 1968-76	Diff: % 1955-76
	1955	1968	1976			
CUMBERLAND						
Softwood	109 000	160 300	152 200	47	-05	39
Mixedwood	183 900	105 800	107 100	-42	01	-41
Hardwood	34 800	78 100	62 900	124	-19	80
Other	4 700					
Total Forest	332 500	344 200	322 300	03	-06	-03
Non Forest	97 900	79 300	98 900	-18	24	01
Water & Flowage	4 600	11 400	13 500	147	18	193
Total Nonforest	102 500	90 800	112 400	-11	23	09
TOTAL	435 100	435 100	435 100	0	0	0
COLCHESTER						
Softwood	141 900	157 100	150 900	10	-03	06
Mixedwood	119 700	90 900	28 800	-24	-68	-75
Hardwood	30 700	61 500	55 000	100	-10	79
Other	5 800					
Total Forest	298 400	309 500	284 800	03	-07	-04
Non Forest	63 300	47 600	71 400	-24	50	12
Water & Flowage	3 900	8 500	9 000	117	05	130
Total Nonforest	67 300	56 200	80 400	-16	43	19
TOTAL	365 800	365 800	365 800	0	0	0
SUBDIVISION						
Softwood	251 000	317 400	303 100	26	-04	20
Mixedwood	303 700	196 700	185 900	-35	-05	-38
Hardwood	65 600	139 600	118 000	112	-15	79
Other	10 500					
Total Forest	630 900	653 800	607 100	03	-07	-03
Non Forest	161 200	127 000	170 300	-21	34	05
Water & Flowage	8 600	20 000	22 500	132	12	161
Total Nonforest	169 900	147 000	192 800	-13	31	13
TOTAL	800 900	800 900	800 900	0	0	0

1 Hectare = 2.47 Acres

TABLE 68
COMPARISON 1955, 1968 AND 1976 VOLUME DATA BY
COUNTY AND SPECIES

COUNTY & SPECIES	Gross Cubic Metres					
	1955	1968	1976	% Diff: 1955-68	% Diff: 1968-76	% Diff: 1955-76
CUMBERLAND						
White Spruce	961	1 026	1 359	7	32	+41
Spruce (red & black)	5 823	11 251	12 607	93	12	+116
Fir	5 258	4 976	5 829	-05	17	+11
Pine	240	315	672	31	113	+180
Hemlock	693	429	500	-38	16	-28
Other Softwood	179	638	326	256	-48	+82
TOTAL Softwood	13 158	18 638	21 296	42	14	+62
Sugar Maple	1 686	1 215	1 386	-28	73	-18
Red Maple	1 212	2 513	3 178	107	26	+162
Yellow Birch	1 179	1 078	1 161	-9	07	-2
White Birch	446	710	949	59	33	+113
Aspen	0	873	1 287	0	47	0
Other Hardwood	1 336	773	785	-42	01	-41
TOTAL Hardwood	5 863	7 164	8 751	22	22	+49
TOTAL	19 021	25 803	30 048	36	16	+58
COLCHESTER						
White Spruce	1 115	1 417	2 337	27	64	+110
Spruce (red & black)	6 125	5 848	6 603	-5	12	+8
Fir	5 732	7 402	8 161	25	10	+38
Pine	228	135	142	-41	05	-38
Hemlock	571	805	665	41	-17	+16
Other Softwood	152	203	297	34	46	+95
TOTAL Softwood	13 925	15 812	18 209	14	15	+31
Sugar Maple	1 759	2 057	2 668	17	29	+52
Red Maple	1 164	2 526	2 688	117	06	+131
Yellow Birch	1 350	1 548	2 092	15	35	+55
White Birch	308	218	227	-29	04	-26
Aspen	0	481	470	0	-02	0
Other Hardwood	1 120	568	693	-49	22	-38
TOTAL Hardwood	5 705	7 401	8 845	30	19	+55
TOTAL	19 630	23 214	27 055	18	16	+38

1 Hectare = 2.47 Acres

TABLE 68 (Continued)
COMPARISON 1955, 1968 AND 1976 VOLUME DATA BY
COUNTY AND SPECIES

COUNTY & SPECIES	Gross Cubic Metres			Diff: % 1955-68	Diff: % 1968-76	Diff: % 1955-76
	1955	1968	1976			
SUBDIVISION						
White Spruce	2 077	2 444	3 699	18	51	+78
Spruce (red & black)	11 949	17 099	19 192	43	12	+61
Fir	10 991	12 379	13 998	13	13	+27
Pine	468	450	816	-4	81	+74
Hemlock	1 264	1 234	1 166	-2	-05	-8
Other Softwood	331	842	623	154	-26	+88
TOTAL Softwood	27 084	34 451	39 498	27	14	+46
Sugar Maple	3 445	3 273	4 059	-5	24	+18
Red Maple	2 378	5 039	5 866	112	16	+147
Yellow Birch	2 529	2 627	3 256	4	23	+29
White Birch	756	929	1 175	23	26	+55
Aspen	0	1 355	1 756	0	29	0
Other Hardwood	2 457	1 341	1 481	-45	10	-40
TOTAL Hardwood	11 568	14 566	17 600	26	20	+52
TOTAL	38 652	49 017	57 098	27	16	+48

1 Hectare = 2.47 Acres

TABLE 70
 COMPARISON OF VOLUME PER HECTARE IN GROSS CUBIC METRES
 FOR NORTH CENTRAL SUBDIVISION 1955, 1968, AND 1976

	SOFTWOOD			HARDWOOD			TOTAL		
	1955	1968	1976	1955	1968	1976	1955	1968	1976
Cumberland	39.6	54.1	66.1	17.6	20.8	27.1	57.2	75.0	93.1
Colchester	46.7	51.1	64.0	19.1	23.9	31.1	65.8	75.0	95.0
All	42.9	52.7	65.1	18.3	22.3	29.0	61.3	75.0	94.0

1 Cubic Metre per Hectare = 14.291 Cubic Feet per Acre