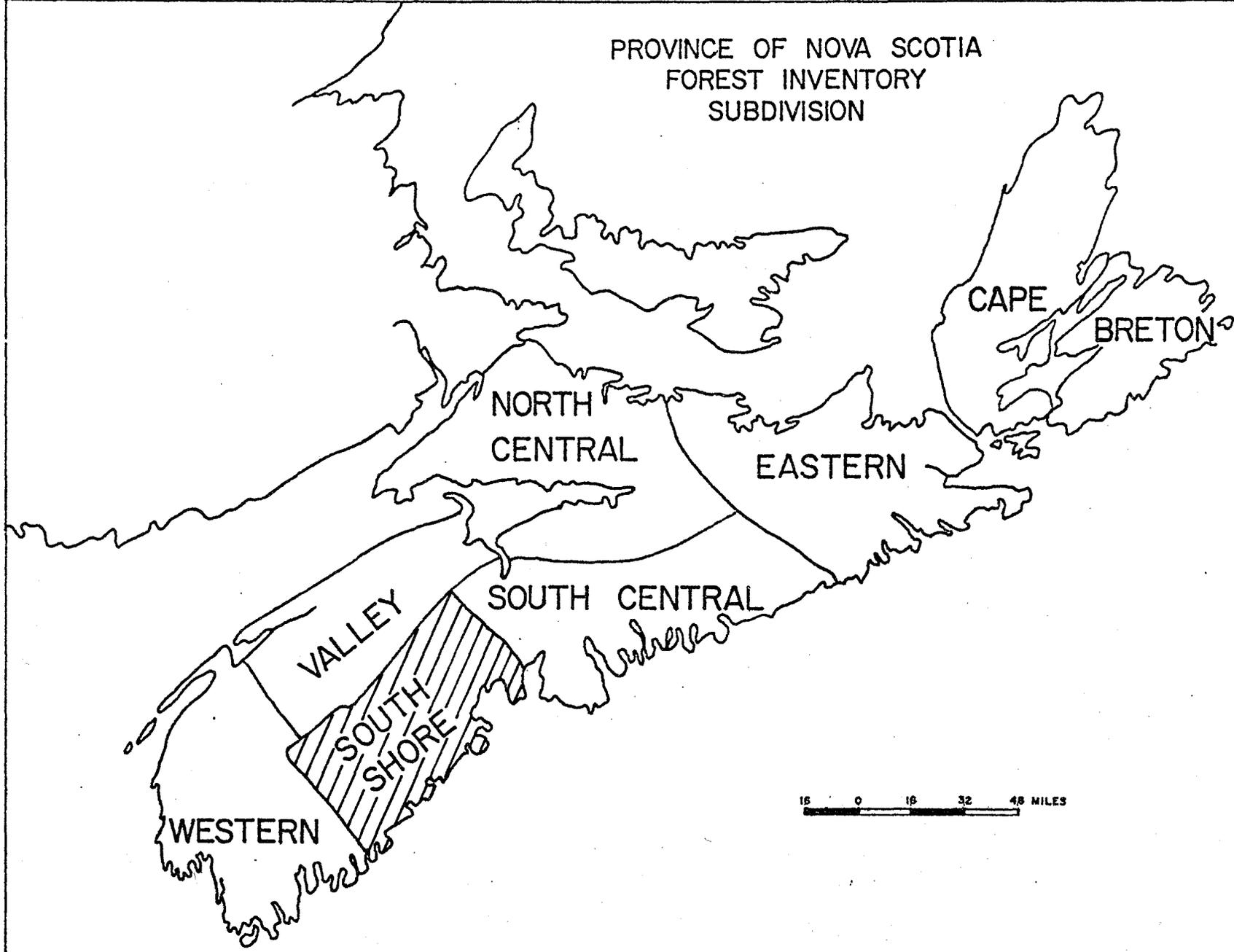


Compiled By
 Forest Planning Division
 Nova Scotia Dept. of Lands & Forests
 JANUARY. 1979

PROVINCE OF NOVA SCOTIA
FOREST INVENTORY
SUBDIVISION



INFORMATION REPORT

NOVA SCOTIA FOREST INVENTORY

SOUTH SHORE SUBDIVISION

(Queens and Lunenburg Counties)

1977

With Comparison to 1956, 1966 Inventories

Nova Scotia Department of Lands and Forests
Forest Planning Division
January 1979

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INTRODUCTION

The attached tables are summaries of the data obtained for Subdivision V (South Shore) from 1977 field work.

In 1977 the field work was done in metric (SI) units. This is the second report which contains metric volume and area detail.

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, and 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 1966 and 1977 data, and in some cases back to 1956 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 1966 inventory can be provided in the form of the table labelled Exhibit I and for 1977 in the format of Exhibit II. The data in these forms are available in any combination of the following:

1965 - 75 Data

Subdivision 1 - 7

Counties with 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, VI

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

Ownership - Crown, Large, Small, Federal

Age Cut - 1 - 9

Type Cut - Partial, Clear

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

Elevation - 200' classes

1972 - 1981 Data

Subdivisions as available

Counties with 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, 16 +, 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 + m³/ha/year (MAI) I

6.3 - 7.6m³/ha/year (MAI) II

5.0 - 6.2m³/ha/year (MAI) III

3.5 - 4.9m³/ha/year (MAI) IV

2.2 - 3.4m³/ha/year (MAI) V

up to 2.1m³/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 - Louck's 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 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.

Federal - Military Reservations and Parks.

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.

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.
FIR	376.	299.	91.	769.	282.	264.	84.	634.
HEMLOCK	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.
LARCH	0.	0.	0.	0.	0.	0.	0.	0.
JACK PINE	0.	0.	0.	0.	0.	0.	0.	0.
SCOTCH PINE	0.	0.	0.	0.	0.	0.	0.	0.
CEDAR	0.	0.	0.	0.	0.	0.	0.	0.
SOFTWOOD	414.	299.	91.	807.	308.	264.	84.	659.
SUGAR 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.
OAK	0.	0.	0.	0.	0.	0.	0.	0.
ASPEN	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.
CHERRY	0.	0.	0.	0.	0.	0.	0.	0.
ELM	0.	0.	0.	0.	0.	0.	0.	0.
BEECH	0.	0.	0.	0.	0.	0.	0.	0.
BALSAM 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	24.6	40.6
HARDWOOD	27.8	14.8	58.0	95.8
TOTAL	290.6	65.2	24.6	40.3

EXHIBIT 2

10/10/78

TEMPORARY SAMPLE PLOT SEARCH PROGRAM

PAGE 2

REQUEST 01

SPECIES	GROSS VOLUME (CU.M./HECTARE)								GROSS MERCHANTABLE VOLUME (CU.M./HECTARE)							
	D.B.H.								D.B.H.							
	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	2.5	3.5
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

10/10/78

TEMPORARY SAMPLE PLOT SEARCH PROGRAM

PAGE 3

REQUEST 01

GROSS VOLUME (THOUSAND CU. M.)

GROSS MERCHANTABLE VOLUME (THOUSAND CU. M.)

D.B.H.

D.B.H.

SPECIES	D.B.H.			TOTAL	D.B.H.			TOTAL
	10-14	16-20	22+		10-14	16-20	22+	
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.	648.	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 =

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

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	A	C
White Spruce	1.440	+342.175	+1.176	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

SOUTH SHORE SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

White Spruce

D.B.H.ob (cm.)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.027	.012
12	.045	.029
14	.068	.052
16	.097	.077
18	.131	.110
20	.172	.149
22	.218	.192
24	.270	.242
26	.329	.295
28	.393	.361
30	.463	.429
32	.542	.497
34	.625	.576
36	.715	.662
38	.812	.755
40	.917	.856
42	1.026	.959
44	1.141	1.070
46	1.270	1.192
48	1.401	1.318
50	1.540	1.450
52	1.680	1.585
54	1.834	1.732
56	1.997	1.888
58	2.159	2.043
60	2.338	2.214

SOUTH SHORE SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

Spruce (red & black), Larch, Jack Pine

D.B.H.ob (cm.)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.027	.013
12	.046	.030
14	.069	.051
16	.099	.079
18	.134	.112
20	.175	.150
22	.222	.194
24	.277	.245
26	.336	.302
28	.401	.365
30	.474	.434
32	.553	.509
34	.641	.592
36	.732	.671
38	.832	.766
40	.939	.867
42	1.054	.977
44	1.172	1.090
46	1.303	1.212
48	1.437	1.341
50	1.579	1.477
52	1.728	1.619
54	1.886	1.769
56	2.045	1.921
58	2.219	2.086
60	2.402	2.261

SOUTH SHORE SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

Balsam Fir

D.B.H.ob (cm.)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.027	.014
12	.043	.028
14	.062	.046
16	.087	.066
18	.115	.093
20	.148	.124
22	.185	.158
24	.228	.198
26	.274	.242
28	.325	.291
30	.381	.345
32	.443	.404
34	.511	.467
36	.580	.535
38	.655	.607
40	.740	.687
42	.827	.771
44	.919	.859
46	1.016	.952
48	1.120	1.052
50	1.223	1.151
52	1.338	1.243
54	1.460	1.357
56	1.579	1.471
58	1.713	1.597
60	1.844	1.721

SOUTH SHORE SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

Pines (red, white and Scotch)

D.B.H.ob (cm.)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.031	.012
12	.048	.028
14	.071	.048
16	.098	.074
18	.130	.102
20	.168	.138
22	.211	.178
24	.258	.224
26	.311	.274
28	.370	.331
30	.435	.393
32	.504	.460
34	.579	.532
36	.660	.602
38	.748	.685
40	.842	.774
42	.938	.867
44	1.046	.970
46	1.155	1.074
48	1.270	1.184
50	1.392	1.300
52	1.521	1.423
54	1.656	1.552
56	1.798	1.688
58	1.947	1.831
60	2.103	1.979

SOUTH SHORE SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

Hemlock, Cedar

D.B.H.ob (cm.)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.024	.009
12	.041	.025
14	.063	.046
16	.091	.072
18	.123	.101
20	.162	.137
22	.206	.179
24	.256	.226
26	.313	.280
28	.374	.339
30	.443	.404
32	.519	.476
34	.599	.554
36	.686	.637
38	.780	.728
40	.882	.825
42	.992	.930
44	1.105	1.039
46	1.224	1.155
48	1.352	1.278
50	1.487	1.407
52	1.630	1.544
54	1.781	1.689
56	1.931	1.835
58	2.098	1.995
60	2.264	2.156

SOUTH SHORE SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

Hardwoods (other than Aspen & Balsam poplar)

D.B.H.ob (cm.)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.033	.015
12	.052	.029
14	.076	.050
16	.104	.074
18	.139	.104
20	.178	.139
22	.222	.180
24	.273	.225
26	.329	.277
28	.390	.334
30	.458	.396
32	.533	.457
34	.612	.529
36	.697	.608
38	.788	.694
40	.882	.781
42	.987	.878
44	1.099	.984
46	1.213	1.088
48	1.333	1.202
50	1.460	1.322
52	1.594	1.450
54	1.742	1.585
56	1.882	1.721
58	2.037	1.865
60	2.198	2.016

SOUTH SHORE SUBDIVISION
INDIVIDUAL TREE LOCAL VOLUME TABLE

Aspen, Balsam Poplar

D.B.H.ob (cm.)	Gross Volume Cubic Metres	Gross Merchantable Volume Cubic Metres
10	.033	.016
12	.053	.034
14	.079	.058
16	.110	.085
18	.148	.120
20	.191	.160
22	.241	.206
24	.297	.260
26	.360	.319
28	.428	.379
30	.504	.456
32	.587	.534
34	.675	.620
36	.771	.710
38	.874	.809
40	.985	.914
42	1.100	1.027
44	1.228	1.148
46	1.358	1.272
48	1.496	1.406
50	1.643	1.547
52	1.797	1.695
54	1.953	1.845
56	2.123	2.009
58	2.294	2.175
60	2.482	2.355

TABLE 1
 SOUTH SHORE SUBDIVISION
 1977 DATA IN HECTARES BY
 OWNERSHIP AND LAND CLASS

LAND CLASS	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
Softwood	32 520	53 800	102 270	6 320	194 920
Mixedwood	19 800	26 440	69 350	3 470	119 080
Hardwood	21 550	16 260	39 060	1 720	78 600
Total Forest	73 880	96 510	210 690	11 510	392 600
Non Forest	17 990	12 870	48 200	690	79 800
Water	69 290	14 760	27 420	2 040	113 540
Flowage	580	540	1 600	110	2 850
Total Non Forest	87 880	28 170	77 230	2 840	196 210
Total Land & Water	161 810	124 710	287 940	14 360	588 870
(TOTAL LAND & WATER) (ACRES)	(399 670)	(308 030)	(711 210)	(35 460)	(1 454 500)

1 Hectare = 2.47 Acres

TABLE 2
 SOUTH SHORE SUBDIVISION
 1977 DATA IN HECTARES BY
 OWNERSHIP AND DENSITY CLASS

DENSITY CLASS	OWNERSHIP (hectares)				TOTAL
	CROWN	LARGE	SMALL	FEDERAL	
Up to 40%	10 340	16 960	34 230	260	61 780
41 - 60%	30 590	36 710	75 920	3 890	147 120
61 - 80%	27 480	34 540	86 210	6 070	154 300
81 - 100%	4 350	6 570	11 190	1 020	23 130
Overstocked	1 100	1 700	3 120	340	6 260
Total	73 880	96 510	210 690	11 510	392 600
(TOTAL ACRES)	(182 480)	(238 380)	(520 400)	(28 430)	(969 720)

1 Hectare = 2.47 Acres

TABLE 3
SOUTH SHORE SUBDIVISION
1977 DATA IN HECTARES BY
OWNERSHIP AND AGE CLASS

AGE CLASS	OWNERSHIP (hectares)				TOTAL
	CROWN	LARGE	SMALL	FEDERAL	
Up to 20 Years	2 500	3 160	10 670		16 340
21 - 40 Years	4 640	13 580	41 150	590	59 960
41 - 60 Years	25 280	29 800	71 160	1 340	127 600
61 - 80 Years	18 030	23 150	38 970	3 730	83 880
81 - 100 Years	6 220	12 440	14 850	2 890	36 410
101 + Years	1 290	2 950	1 990		6 240
Uneven Aged	15 900	11 400	31 870	2 990	62 160
Total	73 880	96 510	210 690	11 510	392 600
(TOTAL ACRES)	(182 480)	(238 380)	(520 400)	(28 430)	(969 720)

1 Hectare = 2.47 Acres

TABLE 4
 SOUTH SHORE SUBDIVISION
 1977 DATA IN HECTARES BY
 OWNERSHIP AND FOREST CAPABILITY

FOREST CAPABILITY	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
I					
II					
III	30		430		460
IV	3 560	2 920	13 070	990	20 540
V	63 610	85 100	177 530	9 090	335 320
VI	6 670	8 480	19 650	1 460	36 260
Total	73 880	96 510	210 690	11 510	392 600
(TOTAL ACRES)	(182 480)	(238 380)	(520 400)	(28 430)	(969 720)

1 Hectare = 2.47 Acres

TABLE 5
 SOUTH SHORE SUBDIVISION
 1977 DATA IN HECTARES BY
 OWNERSHIP AND VOLUME PER HECTARE CLASS

VOLUME PER HECTARE CLASS	OWNERSHIP (hectares)				TOTAL
	CROWN	LARGE	SMALL	FEDERAL	
Less than 40m ³ /ha	18 410	25 220	68 430	1 580	113 640
41 - 80m ³ /ha	26 120	29 850	70 640	2 010	128 620
81 - 120m ³ /ha	21 820	27 280	49 780	2 850	101 750
121 - 160m ³ /ha	6 320	7 770	13 910	2 710	30 710
161 + m ³ /ha	53 800	6 360	7 910	2 390	17 870
TOTAL	73 880	96 510	210 690	11 510	392 600
(Total Acres)	(182 480)	(238 380)	(520 400)	(28 430)	(969 720)

1 Hectare = 2.47 Acres
 1 Cubic Metre per Hectare = 14.291 Cubic Feet per Acre

TABLE 6
 QUEENS COUNTY
 1977 DATA IN HECTARES BY
 OWNERSHIP AND LAND CLASS

LAND CLASS	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
Softwood	20 950	28 020	23 230	6 310	78 530
Mixedwood	7 560	17 410	19 380	3 470	47 830
Hardwood	9 990	8 010	14 900	1 720	34 630
Total Forest	38 510	53 450	57 520	11 510	160 990
Non Forest	14 080	10 530	16 120	690	41 440
Water	47 330	11 100	12 120	2 040	72 600
Flowage	420	450	680	110	1 670
Total Non Forest	61 840	22 080	28 920	2 840	115 710
Total Land & Water	100 360	75 540	86 450	14 360	276 720
(TOTAL LAND & WATER) (ACRES)	(247 880)	(186 580)	(213 530)	(35 460)	(684 900)

1 Hectare = 2.47 Acres

TABLE 7
 QUEENS COUNTY
 1977 DATA IN HECTARES BY
 OWNERSHIP AND DENSITY CLASS

DENSITY CLASS	OWNERSHIP (hectares)			FEDERAL	TOTAL
	CROWN	LARGE	SMALL		
Up to 40%	5 170	9 780	8 920	260	24 130
41 - 60%	17 530	21 720	17 900	3 890	61 040
61 - 80%	13 790	16 620	25 950	6 070	62 430
81 - 100%	1 920	3 610	3 260	1 020	9 810
Overstocked	80	1 700	1 450	340	3 570
Total	38 510	53 450	57 520	11 510	160 990
(Total Acres)	(95 120)	(132 020)	(142 070)	(28 430)	(397 640)

1 Hectare = 2.47 Acres

TABLE 8
 QUEENS COUNTY
 1977 DATA IN HECTARES BY
 OWNERSHIP AND AGE CLASS

AGE CLASS	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
Up To 20 Years	460	310	2 310		3 090
21 - 40 Years	2 150	7 880	10 510	590	21 130
41 - 60 Years	11 350	15 380	19 790	1 340	47 860
61 - 80 Years	9 080	12 530	12 550	3 730	37 890
81 - 100 Years	3 190	9 360	3 760	2 890	19 210
101 + Years	1 030	1 770	290		3 100
Unevenaged	11 230	6 190	8 280	2 990	28 690
Total	38 510	53 450	57 520	11 510	160 990
(Total Acres)	(95 120)	(132 020)	(142 070)	(28 430)	(397 640)

1 Hectare = 2.47 Acres

TABLE 9
 QUEENS COUNTY
 1977 DATA IN HECTARES BY
 OWNERSHIP AND FOREST CAPABILITY

FOREST CAPABILITY	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
I					
II					
III					
IV	1 150	2 330	3 740	990	8 210
V	33 070	45 860	48 910	9 090	136 930
VI	4 280	5 240	4 860	1 460	15 840
Total	38 510	53 450	57 520	11 510	160 990
(Total Areas)	(95 120)	(132 020)	(142 070)	(28 430)	(397 640)

1 Hectare = 2.47 Acres

TABLE 10
 QUEENS COUNTY
 1977 DATA IN HECTARES BY
 OWNERSHIP AND VOLUME PER HECTARE CLASS

VOLUME PER HECTARE CLASS	OWNERSHIP (hectares)				TOTAL
	CROWN	LARGE	SMALL	FEDERAL	
Less Than 40m ³ /ha	9 450	13 750	16 960	1 580	41 740
41 - 80m ³ /ha	12 290	18 530	22 810	2 010	55 640
81 - 120m ³ /ha	12 810	12 550	11 350	2 850	39 560
121 - 160m ³ /ha	3 490	5 110	4 540	2 710	15 850
161 + m ³ /ha	450	3 490	1 840	2 390	8 180
Total	38 510	53 450	57 520	11 510	160 990
(Total Acres)	(95 120)	(132 020)	(142 070)	(28 430)	(397 640)

1 Hectare = 2.47 Acres
 1 Cubic Metre per Hectare = 14.291 Cubic Feet per Acre

TABLE 11
LUNENBURG COUNTY
1977 DATA IN HECTARES BY
OWNERSHIP AND LAND CLASS

LAND CLASS	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
Softwood	11 570	25 770	79 030		116 380
Mixedwood	12 240	9 030	49 970		71 250
Hardwood	11 560	8 240	24 160		43 960
Total Forest	35 370	43 060	153 170		231 600
Non Forest	3 910	2 340	32 080		38 360
Water	21 960	3 660	15 300		40 940
Flowage	160	90	920		1 180
Total Non Forest	26 040	6 090	48 310		80 500
Total Land & Water	61 450	49 170	201 490		312 150
(TOTAL LAND & WATER) (ACRES)	(151 780)	(121 440)	(497 680)		(771 010)

1 Hectare = 2.47 Acres

TABLE 12
LUNENBURG COUNTY
1977 DATA IN HECTARES BY
OWNERSHIP AND DENSITY CLASS

DENSITY CLASS	OWNERSHIP (hectares)			FEDERAL	TOTAL
	CROWN	LARGE	SMALL		
Up To 40%	5 160	7 170	34 230		37 650
41 - 60%	13 060	14 990	58 010		86 070
61 - 80%	13 690	17 920	60 250		91 860
81 - 100%	2 430	2 960	7 920		13 320
Overstocked	1 020		1 660		2 690
Total	35 370	43 060	153 170		231 600
(Total Acres)	(87 360)	(106 350)	(378 330)		(572 050)

1 Hectare = 2.47 Acres

TABLE 13
LUNENBURG COUNTY
1977 DATA IN HECTARES BY
OWNERSHIP AND AGE CLASS

AGE CLASS	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
Up To 20 Years	2 030	2 850	8 350		13 250
21 - 40 Years	2 490	5 700	30 630		38 820
41 - 60 Years	13 930	14 420	51 370		79 730
61 - 80 Years	8 950	10 620	26 410		45 990
81 - 100 Years	3 030	3 070	11 080		17 190
101 + Years	260	1 170	1 690		3 130
Unevenaged	4 670	5 200	23 590		33 460
Total	35 370	43 060	153 170		231 600
(Total Acres)	(87 360)	(106 350)	(378 330)		(572 050)

1 Hectare = 2.47 Acres

TABLE 14
LUNENBURG COUNTY
1977 DATA IN HECTARES BY
OWNERSHIP AND FOREST CAPABILITY

FOREST CAPABILITY	CROWN	OWNERSHIP (hectares)			TOTAL
		LARGE	SMALL	FEDERAL	
I					
II					
III	30		430		460
IV	2 410	580	9 330		12 320
V	30 530	39 230	128 620		198 390
VI	2 390	3 230	14 780		20 420
Total	35 370	43 060	153 170		231 600
(Total Acres)	(87 360)	(106 350)	(378 330)		(572 050)

1 Hectare = 2.47 Acres

TABLE 15
LUNENBURG COUNTY
1977 DATA IN HECTARES BY
OWNERSHIP AND VOLUME PER HECTARE CLASS

VOLUME PER HECTARE CLASS	OWNERSHIP (hectares)				TOTAL
	CROWN	LARGE	SMALL	FEDERAL	
Less Than 40m ³ /ha	8 960	11 460	51 470		71 900
41 - 80m ³ /ha	13 830	11 320	47 820		72 970
81 - 120m ³ /ha	9 010	14 730	38 430		62 180
121 - 160m ³ /ha	2 820	2 660	9 360		14 850
161 + m ³ /ha	740	2 870	6 060		9 680
Total	35 370	43 060	153 170		231 600
(Total Acres)	(87 360)	(106 350)	(378 330)		(572 050)

1 Hectare = 2.47 Acres

1 Cubic Metre per Hectare = 14.291 Cubic Feet per Acre

TABLE 16
SOUTH SHORE SUBDIVISION
1977 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	1 577	3 681	5 917	557	11 734
	Hardwood	270	544	717	127	1 659
	Total	1 847	4 225	6 635	684	13 394
Mixedwood	Softwood	814	1 142	2 396	210	4 563
	Hardwood	552	721	1 546	140	2 961
	Total	1 366	1 864	3 943	350	7 524
Hardwood	Softwood	212	201	396	27	836
	Hardwood	924	770	1 646	125	3 467
	Total	1 137	971	2 043	156	4 303
Total	Softwood	2 603	5 025	8 707	791	17 131
	Hardwood	1 747	2 036	3 912	390	8 088
	Total	4 351	7 061	12 620	1 181	25 220
(TOTAL CUBIC FEET)	Softwood	91 922	177 452	307 478	27 933	604 964
	Hardwood	61 693	71 899	138 148	13 772	285 619
	Total	153 651	249 352	445 662	41 705	890 619

1 Cubic Metre = 35.314 Cubic Feet

TABLE 17
SOUTH SHORE SUBDIVISION
1977 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND DENSITY CLASS

DENSITY CLASS	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				
		CROWN	LARGE	SMALL	FEDERAL	TOTAL
Up to 40%	Softwood	203	520	651	22	1 397
	Hardwood	137	230	324		692
	Total	340	751	976	22	2 089
41 - 60%	Softwood	1 016	1 684	2 674	229	5 604
	Hardwood	739	820	1 615	106	3 280
	Total	1 755	2 504	4 289	335	8 885
61 - 80%	Softwood	1 117	2 105	4 459	383	8 065
	Hardwood	717	845	1 801	236	3 599
	Total	1 834	2 951	6 260	617	11 664
81 - 100%	Softwood	240	494	759	124	1 617
	Hardwood	142	107	156	49	454
	Total	382	601	915	172	2 071
Overstocked	Softwood	26	219	162	39	446
	Hardwood	11	32	15		62
	Total	38	252	178	41	509
Total	Softwood	2 603	5 025	8 707	792	17 131
	Hardwood	1 747	2 036	3 912	390	8 088
	Total	4 351	7 061	12 620	1 183	25 220
(Total Cubic Feet)	Softwood	91 922	177 452	307 478	27 933	604 964
	Hardwood	61 693	71 899	138 148	13 772	285 619
	Total	153 651	249 352	445 662	41 705	890 619

1 Cubic Metre = 35.314 Cubic Feet

TABLE 18
SOUTH SHORE SUBDIVISION
1977 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	10	12	72	94
	Hardwood	6	17	18	42
	Total	17	29	90	137
21 - 40 Years	Softwood	101	379	981	1 478
	Hardwood	65	114	361	568
	Total	166	494	1 343	2 047
41 - 60 Years	Softwood	664	1 187	2 770	4 668
	Hardwood	528	546	1 320	2 433
	Total	1 192	1 733	4 090	7 101
61 - 80 Years	Softwood	653	1 265	1 825	4 076
	Hardwood	634	737	1 286	2 803
	Total	1 288	2 003	3 112	6 880
81 - 100 Years	Softwood	458	1 232	1 429	3 377
	Hardwood	240	356	396	1 114
	Total	698	1 589	1 825	4 491
101 + Years	Softwood	66	324	293	683
	Hardwood	7	79	36	123
	Total	74	403	329	806
Unevenaged	Softwood	649	622	1 334	2 749
	Hardwood	263	183	493	1 000
	Total	913	806	1 827	3 750
Total	Softwood	2 603	5 025	8 707	17 131
	Hardwood	1 747	2 036	3 912	8 088
	Total	4 351	7 061	12 620	25 220

1 Cubic Metre = 35.314 Cubic Feet

TABLE 19
SOUTH SHORE SUBDIVISION
1977 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			22		22
	Hardwood			8		8
	Total			31		31
IV	Softwood	117	300	553	118	1 089
	Hardwood	209	90	399	50	747
	Total	327	391	952	168	1 836
V	Softwood	2 360	4 530	7 708	636	15 230
	Hardwood	1 468	1 857	3 307	312	6 940
	Total	3 828	6 387	11 015	948	22 180
VI	Softwood	125	193	423	218	782
	Hardwood	70	88	198	43	388
	Total	195	282	621	261	1 171
Total	Softwood	2 603	5 025	8 707	791	17 131
	Hardwood	1 747	2 036	3 912	390	8 088
	Total	4 351	7 061	12 620	1 181	25 220
(Total Cubic Feet)	Softwood	91 922	177 452	307 478	27 933	604 964
	Hardwood	61 693	71 899	138 148	13 772	285 619
	Total	153 651	249 352	445 662	41 705	890 619

1 Cubic Metre = 35.314 Cubic Feet

TABLE 20
SOUTH SHORE SUBDIVISION
1977 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 40m ³ /ha	Softwood	316	410	1 100	48	1 873
	Hardwood	167	213	513	39	931
	Total	483	623	1 613	84	2 805
41 - 80m ³ /ha	Softwood	818	1 237	2 513	79	4 647
	Hardwood	499	569	1 387	37	2 493
	Total	1 318	1 807	3 901	114	7 140
81 - 120m ³ /ha	Softwood	920	1 713	2 719	183	5 534
	Hardwood	691	808	1 411	79	2 988
	Total	1 611	2 521	4 130	262	8 525
121 - 160m ³ /ha	Softwood	394	686	1 228	225	2 533
	Hardwood	324	301	451	132	1 209
	Total	719	987	1 679	356	3 742
161 + m ³ /ha	Softwood	3 681	977	1 146	263	2 539
	Hardwood	544	143	147	108	463
	Total	4 225	1 121	1 293	371	3 003
Total	Softwood	2 603	5 025	8 707	791	17 131
	Hardwood	1 747	2 036	3 912	390	8 088
	Total	4 351	7 061	12 620	1 181	25 220
(Total Cubic Feet)	Softwood	91 922	177 452	307 478	27 933	604 964
	Hardwood	61 693	71 899	138 148	13 772	285 619
	Total	153 651	249 352	445 662	41 705	890 619

1 Cubic Metre per Hectare = 14.291 Cubic Feet per Acre

1 Cubic Metre = 35.314 Cubic Feet

TABLE 21
SOUTH SHORE SUBDIVISION
1977 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND SPECIES

SPECIES	(Thousands of Gross Merchantable Cubic Metres)				
	CROWN	LARGE	SMALL	FEDERAL	TOTAL
White Spruce	10	28	394		433
Spruce (red & black)	1 042	2 808	3 866	142	7 859
Fir	347	659	1 331	33	2 370
Hemlock	140	318	1 175	312	1 945
White Pine	929	1 116	1 503	287	3 839
Red Pine	83	41	104	12	239
Larch	49	52	327	13	440
Jack Pine					
Other Softwood			3		3
Softwoods	2 603	5 025	8 707	792	17 131
Sugar Maple	3	86	74	3	167 ✓
Red Maple	875	1 147	1 703	153	3 880 ✓
Yellow Birch	48	143	253	10	453 ✓
White Birch	165	182	329	73	751 ✓
Oak	283	182	425	93	983 ✓
Aspen	325	136	672	33	1 165 ✓
Grey Birch	6	7	45	1	59 ✓
White Ash	28	38	118	15	198 ✓
Black Ash					
Cherry		2			2 ✓
Beech	11	108	282	17	417 ✓
Misc.			6		6
Hardwoods	1 747	2 036	3 912	390	8 088
All Species	4 351	7 061	12 620	1 183	25 220

1 Cubic Metre = 35.314 Cubic Feet

TABLE 22
SOUTH SHORE SUBDIVISION
1977 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	421	726	1 460	74	2 684
	Hardwood	297	265	737	40	1 342
	Total	720	992	2 200	114	4 028
16 - 20 cm D.B.H.	Softwood	641	1 187	2 246	144	4 224
	Hardwood	507	542	1 136	97	2 287
	Total	1 151	1 731	3 384	243	6 512
22 + cm D.B.H.	Softwood	1 538	3 109	4 997	572	10 220
	Hardwood	940	1 226	2 036	250	4 456
	Total	2 478	4 336	7 034	822	14 677
Total	Softwood	2 603	5 025	8 707	791	17 131
	Hardwood	1 747	2 036	3 912	390	8 088
	Total	4 351	7 061	12 620	1 181	25 220
(Total Cubic Feet)	Softwood	91 922	177 452	307 478	27 933	604 964
	Hardwood	61 693	71 899	138 148	13 772	285 619
	Total	153 651	249 352	445 662	41 705	890 619

1 Cubic Metre = 35.314 Cubic Feet

TABLE 23
 QUEENS COUNTY
 1977 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	996	1 895	1 378	557	4 826
	Hardwood	170	279	221	127	797
	Total	1 166	2 174	1 599	684	5 624
Mixedwood	Softwood	302	674	702	210	1 888
	Hardwood	215	416	428	140	1 199
	Total	517	1 090	1 131	350	3 088
Hardwood	Softwood	135	111	180	27	453
	Hardwood	525	359	673	125	1 682
	Total	661	470	854	152	2 136
Total	Softwood	1 434	2 681	2 261	791	7 168
	Hardwood	911	1 055	1 323	390	3 679
	Total	2 345	3 736	3 584	1 181	10 848
(Total Cubic Feet)	Softwood	50 640	94 676	79 844	27 933	253 130
	Hardwood	32 171	37 256	46 720	13 777	129 920
	Total	82 811	131 933	126 565	41 705	383 086

1 Cubic Metre = 35.314 Cubic Feet

TABLE 24
 QUEENS COUNTY
 1977 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	106	336	207	22	671
	Hardwood	56	139	112		309
	Total	163	476	320	22	981
41 - 60%	Softwood	590	876	505	229	2 200
	Hardwood	438	423	460	106	1 427
	Total	1 028	1 300	965	335	3 628
61 - 80%	Softwood	634	942	1 305	383	3 264
	Hardwood	350	398	683	236	1 667
	Total	985	1 341	1 988	617	4 931
81 - 100%	Softwood	101	305	186	124	716
	Hardwood	65	60	54	49	228
	Total	167	365	241	172	945
Overstocked	Softwood		219	57	39	315
	Hardwood		32	11		47
	Total		252	69	41	362
Total	Softwood	1 434	2 681	2 261	792	7 168
	Hardwood	911	1 055	1 323	390	3 679
	Total	2 345	3 736	3 584	1 183	10 848
(Total Cubic Feet)	Softwood	50 640	94 676	79 844	27 933	253 130
	Hardwood	32 171	37 256	46 720	13 772	129 920
	Total	82 811	131 933	126 565	41 705	383 086

1 Cubic Metre = 35.314 Cubic Feet

TABLE 25
 QUEENS COUNTY
 1977 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	6		27		34
	Hardwood	4	3	5		13
	Total	10	4	32		47
21 - 40 Years	Softwood	55	212	263	17	547
	Hardwood	31	62	102	27	222
	Total	86	274	366	44	769
41 - 60 Years	Softwood	303	575	754	47	1 679
	Hardwood	250	242	436	40	968
	Total	554	818	1 190	87	2 647
61 - 80 Years	Softwood	301	597	499	331	1 728
	Hardwood	325	354	502	146	1 327
	Total	626	951	1 001	477	3 055
81 - 100 Years	Softwood	219	893	323	258	1 693
	Hardwood	117	253	121	122	613
	Total	337	1 147	445	380	2 307
101 + Years	Softwood	35	182	15	2	234
	Hardwood	1	42	10		53
	Total	37	225	25	2	287
Unevenaged	Softwood	512	218	378	143	1 251
	Hardwood	180	96	145	60	481
	Total	692	315	523	203	1 733
Total	Softwood	1 434	2 681	2 261	792	7 168
	Hardwood	911	1 055	1 323	390	3 679
	Total	2 345	3 736	3 584	1 183	10 848

1 Cubic Metre = 35.314 Cubic Feet

TABLE 26
 QUEENS COUNTY
 1977 VOLUME DATA IN CUBIC METRES BY
 OWNERSHIP AND FOREST CAPABILITY

FOREST CAPABILITY	SPECIES	OWNERSHIP (Thousands Gross Merchantable Cubic Metres)				
		CROWN	LARGE	SMALL	FEDERAL	TOTAL
I	Softwood					
	Hardwood					
	Total					
II	Softwood					
	Hardwood					
	Total					
III	Softwood					
	Hardwood					
	Total					
IV	Softwood	24	285	134	118	561
	Hardwood	105	65	157	50	377
	Total	130	351	292	168	938
V	Softwood	1 328	2 276	2 023	636	6 263
	Hardwood	763	916	1 091	312	3 082
	Total	2 092	3 193	3 115	948	9 346
VI	Softwood	80	119	103	218	520
	Hardwood	42	72	73	43	230
	Total	123	191	177	261	751
Total	Softwood	1 434	2 681	2 261	791	7 168
	Hardwood	911	1 055	1 323	390	3 679
	Total	2 345	3 736	3 584	1 181	10 848
(Total Cubic Feet)	Softwood	50 640	94 676	79 844	27 933	253 130
	Hardwood	32 171	37 256	46 720	13 772	129 920
	Total	82 811	131 933	126 565	41 705	383 086

1 Cubic Metre = 35.314 Cubic Feet

TABLE 27
 QUEENS COUNTY
 1977 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 40m ³ /ha	Softwood	177	220	327	48	772
	Hardwood	93	144	164	39	440
	Total	271	365	492	84	1 212
41 - 80m ³ /ha	Softwood	432	715	850	79	2 076
	Hardwood	215	322	478	37	1 052
	Total	648	1 038	1 329	114	3 129
81 - 120m ³ /ha	Softwood	554	709	572	183	2 018
	Hardwood	390	326	423	79	1 218
	Total	944	1 036	995	262	3 237
121 - 160m ³ /ha	Softwood	222	471	334	225	1 252
	Hardwood	177	179	184	132	672
	Total	399	651	519	356	1 925
161 + m ³ /ha	Softwood	47	563	175	263	1 048
	Hardwood	35	81	72	108	296
	Total	82	644	247	371	1 344
Total	Softwood	1 434	2 681	2 261	791	7 168
	Hardwood	911	1 055	1 323	390	3 679
	Total	2 345	3 736	3 584	1 181	10 848
(Total Cubic Feet)	Softwood	50 640	94 676	79 844	27 933	253 130
	Hardwood	32 171	37 256	46 720	13 772	129 920
	Total	82 811	131 933	126 565	41 705	383 086

1 Cubic Metre per Hectare = 14.291 Cubic Feet per Acre

1 Cubic Metre = 35.314 Cubic Feet

TABLE 28
 QUEENS COUNTY
 1977 VOLUME DATA IN CUBIC METRES BY
 OWNERSHIP AND SPECIES

SPECIES	(Thousands of Gross Merchantable Cubic Metres)				
	CROWN	LARGE	SMALL	FEDERAL	TOTAL
White Spruce			8		8
Spruce (red & black)	396	1 170	712	142	2 420
Fir	149	220	330	33	732
Hemlock	65	253	370	312	1 000
White Pine	742	972	706	287	2 707
Red Pine	49	31	29	12	121
Larch	30	31	102	13	116
Jack Pine					
Other Softwood					
Softwoods	1 434	2 681	2 261	792	7 168
Sugar Maple		1	6	3	10
Red Maple	407	599	535	153	1 694
Yellow Birch	28	30	65	10	133
White Birch	97	104	133	73	407
Oak	188	174	285	93	740
Aspen	158	103	168	33	462
Grey Birch	2	4	9	1	16
White Ash	18	15	35	15	83
Black Ash					
Cherry		2			2
Beech	8	19	82	17	126
Miscellaneous					
Hardwoods	911	1 055	1 323	390	3 679
All Species	2 345	3 736	3 584	1 183	10 848

1 Cubic Metre = 35.314 Cubic Feet

TABLE 29
 QUEENS COUNTY
 1977 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	Softwood	214	359	349	74	1 000
	Hardwood	134	145	254	40	578
	Total	349	507	606	114	1 580
16 - 20 cm	Softwood	316	580	534	144	1 577
	Hardwood	249	310	392	97	1 051
	Total	565	891	926	243	2 628
22 + cm	Softwood	902	1 738	1 375	572	4 588
	Hardwood	526	596	674	250	2 048
	Total	1 428	2 335	2 050	822	6 636
Total	Softwood	1 434	2 681	2 261	791	7 168
	Hardwood	911	1 055	1 323	390	3 679
	Total	2 345	3 736	3 584	1 181	10 848
(Total Cubic Feet)	Softwood	50 640	94 676	79 844	27 933	253 130
	Hardwood	32 171	37 256	46 720	13 772	129 920
	Total	82 811	131 933	126 565	41 705	383 085

1 Cubic Metre = 35.314 Cubic Feet

TABLE 30
LUNENBURG COUNTY
1977 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	580	1 786	4 539		6 907
	Hardwood	99	264	496		861
	Total	680	2 050	5 035		7 768
Mixedwood	Softwood	511	467	1 693		2 674
	Hardwood	336	305	1 117		1 761
	Total	848	773	2 811		4 435
Hardwood	Softwood	77	89	215		383
	Hardwood	398	411	973		1 783
	Total	476	501	1 188		2 166
Total	Softwood	1 169	2 344	6 447		9 962
	Hardwood	835	981	2 587		4 406
	Total	2 005	3 325	9 035		14 369
(Total Cubic Feet)	Softwood	41 282	82 776	227 669		351 798
	Hardwood	29 487	34 643	91 357		155 593
	Total	70 804	117 419	319 061		507 426

1 Cubic Metre = 35.314 Cubic Feet

TABLE 31
LUNENBURG COUNTY
1977 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	96	183	651		724
	Hardwood	80	90	324		382
	Total	176	274	976		1 106
41 - 60%	Softwood	425	807	2 170		3 404
	Hardwood	301	396	1 154		1 852
	Total	726	1 203	3 325		5 257
61 - 80%	Softwood	482	1 163	3 154		4 801
	Hardwood	366	447	1 116		1 930
	Total	849	1 610	4 271		6 732
81 - 100%	Softwood	138	189	572		900
	Hardwood	76	46	101		225
	Total	215	235	674		1 125
Overstocked	Softwood	26		104		131
	Hardwood	11		3		15
	Total	38		108		146
Total	Softwood	1 169	2 344	6 447		9 962
	Hardwood	835	981	2 587		4 406
	Total	2 005	3 325	9 035		14 369
(Total Cubic Feet)	Softwood	41 282	82 776	227 669		351 798
	Hardwood	29 487	34 643	91 357		155 593
	Total	70 804	117 419	319 061		507 426

1 Cubic Metre = 35.314 Cubic Feet

TABLE 32
LUNENBURG COUNTY
1977 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	3	11	45		60
	Hardwood	2	13	13		29
	Total	6	25	58		89
21 - 40 years	Softwood	45	167	717		930
	Hardwood	34	52	259		346
	Total	80	219	976		1 277
41 - 60 years	Softwood	360	612	2 016		2 989
	Hardwood	277	303	883		1 464
	Total	638	915	2 900		4 454
61 - 80 years	Softwood	352	668	1 327		2 349
	Hardwood	309	383	782		1 476
	Total	662	1 051	2 110		3 825
81 - 100 years	Softwood	238	338	1 106		1 683
	Hardwood	122	103	274		500
	Total	361	442	1 381		2 184
101 + years	Softwood	30	141	278		449
	Hardwood	6	37	26		69
	Total	37	178	304		519
Unevenaged	Softwood	137	403	956		1 498
	Hardwood	83	87	347		518
	Total	221	490	1 303		2 016
Total	Softwood	1 169	2 344	6 447		9 962
	Hardwood	835	981	2 587		4 406
	Total	2 005	3 325	9 035		14 369

1 Cubic Metre = 35.314 Cubic Feet

TABLE 33
LUNENBURG COUNTY
1977 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			22		22
	Hardwood			8		8
	Total			31		31
IV	Softwood	93	14	418		526
	Hardwood	103	24	241		369
	Total	196	39	659		895
V	Softwood	1 031	2 254	5 686		8 973
	Hardwood	705	940	2 213		3 861
	Total	1 736	3 195	7 900		12 834
VI	Softwood	44	74	319		439
	Hardwood	27	16	124		168
	Total	72	90	444		607
Total	Softwood	1 169	2 344	6 447		9 962
	Hardwood	835	981	2 587		4 406
	Total	2 005	3 325	9 035		14 369
(Total Cubic Feet)	Softwood	41 282	82 776	227 669		351 798
	Hardwood	29 487	34 643	91 357		155 593
	Total	70 804	117 419	319 061		507 426

1 Cubic Metre = 35.314 Cubic Feet

TABLE 34
LUNENBURG COUNTY
1977 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 40m ³ /ha	Softwood	138	189	772		1 101
	Hardwood	73	68	348		490
	Total	212	258	1 120		1 591
41 - 80m ³ /ha	Softwood	385	521	1 662		2 569
	Hardwood	284	247	909		1 440
	Total	669	768	2 571		4 010
81 - 120m ³ /ha	Softwood	365	1 003	2 147		3 516
	Hardwood	301	481	987		1 770
	Total	666	1 484	3 135		5 287
121 - 160m ³ /ha	Softwood	172	214	893		1 280
	Hardwood	147	121	266		535
	Total	319	336	1 160		1 816
161 + m ³ /ha	Softwood	107	414	971		1 492
	Hardwood	29	62	75		167
	Total	136	476	1 046		1 659
Total	Softwood	1 169	2 344	6 447		9 962
	Hardwood	835	981	2 587		4 406
	Total	2 005	3 325	9 035		14 369
(Total Cubic Feet)	Softwood	41 282	82 776	227 669		351 798
	Hardwood	29 487	34 643	91 357		155 593
	Total	70 804	117 419	319 061		507 426

1 Cubic Metre per Hectare = 14.291 Cubic Feet per Acre

1 Cubic Metre = 35.314 Cubic Feet

TABLE 35
LUNENBURG COUNTY
1977 VOLUME DATA IN CUBIC METRES BY
OWNERSHIP AND SPECIES

SPECIES	(Thousands of Gross Merchantable Cubic Metres)				
	CROWN	LARGE	SMALL	FEDERAL	TOTAL
White Spruce	10	28	386		425
Spruce (red & black)	645	1 638	3 156		5 443
Fir	198	438	1 001		1 639
Hemlock	75	64	805		944
White Pine	186	143	795		1 124
Red Pine	33	10	74		118
Larch	18	21	224		263
Jack Pine					
Other Softwood			3		3
Softwoods	1 169	2 344	6 447		9 962
Sugar Maple	2	85	68		156
Red Maple	467	548	1 167		2 185
Yellow Birch	19	113	187		320
White Birch	68	77	196		343
Oak	94	7	138		240
Aspen	167	32	504		703
Grey Birch	3	3	36		43
White Ash	9	23	82		115
Black Ash					
Cherry					
Beech	2	89	199		291
Miscellaneous			5		5
Hardwoods	835	981	2 587		4 406
All Species	2 005	3 325	9 035		14 369

1 Cubic Metre = 35.314 Cubic Feet

TABLE 36
LUNENBURG COUNTY
1977 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	206	365	1 110		1 684
	Hardwood	162	118	481		762
	Total	368	484	1 592		2 447
16 - 20 cm D.B.H.	Softwood	325	606	1 712		2 646
	Hardwood	258	231	742		1 234
	Total	585	838	2 456		3 882
22 + cm D.B.H.	Softwood	635	1 371	3 622		5 630
	Hardwood	414	630	1 361		2 406
	Total	1 049	2 001	4 983		8 037
Total	Softwood	1 169	2 344	6 447		9 962
	Hardwood	835	981	2 587		4 406
	Total	2 005	3 325	9 035		14 369
(Total Cubic Feet)	Softwood	41 282	82 776	227 669		351 798
	Hardwood	29 487	34 643	91 357		155 593
	Total	70 804	117 419	319 061		507 426

1 Cubic Metre = 35.314 Cubic Feet

TABLE 37
SOUTH SHORE SUBDIVISION
COMPARISON 1966 AND 1977 AREA DATA BY
OWNERSHIP AND LAND CLASS

OWNERSHIP & LAND CLASS	Hectares		Difference	Difference %
	1966	1977		
CROWN				
Softwood	30 200	32 520	2 320	8
Mixedwood	16 000	19 800	3 800	24
Hardwood	22 200	21 550	- 650	-3
Total Forest	68 600	73 880	5 280	8
Non Forest	20 200	17 990	-2 210	-11
Water & Flowage	20 500	69 890	49 390	240
Total Non Forest	40 700	87 880	47 180	116
TOTAL	109 400	161 810	52 410	48
LARGE				
Softwood	71 500	53 800	-17 700	-25
Mixedwood	30 300	26 440	-3 860	-13
Hardwood	18 400	16 260	-2 140	-12
Total Forest	120 300	96 510	-23 790	-20
Non Forest	11 800	12 870	1 070	9
Water & Flowage	12 500	15 300	2 880	22
Total Non Forest	24 300	28 170	3 870	16
TOTAL	144 700	124 710	-19 990	-14
SMALL				
Softwood	133 100	102 270	-30 830	-23
Mixedwood	75 800	69 350	-6 450	-8
Hardwood	60 800	39 060	-21 740	-36
Total Forest	269 800	210 690	-59 110	-22
Non Forest	39 600	48 200	8 600	22
Water & Flowage	16 000	29 030	13 030	81
Total Non Forest	55 600	77 230	216 300	39
TOTAL	325 600	287 940	-37 660	-11
ALL OWNERS				
Softwood	236 400	194 920	-41 480	-17
Mixedwood	123 500	119 080	-4 420	-4
Hardwood	102 700	78 600	-24 100	-23
Total Forest	462 700	392 600	-70 100	-15
Non Forest	72 100	79 800	770	11
Water & Flowage	49 900	116 410	66 510	133
Total Non Forest	122 000	196 210	74 210	60
TOTAL	588 800	588 800		

TABLE 38
SOUTH SHORE SUBDIVISION
COMPARISON 1966 AND 1977 AREA DATA BY
OWNERSHIP AND DENSITY CLASS

OWNERSHIP & DENSITY CLASS	Hectares		Difference	Difference %
	1966	1977		
CROWN				
up to 40%	16 300	10 340	-5 960	-37
41 - 60%	23 700	30 590	6 890	29
61 - 80%	25 700	27 480	1 780	7
81 - 100%	2 800	4 350	1 550	55
overstocked		1 100	1 100	1 100
TOTAL	68 600	73 880	5 280	8
LARGE				
up to 40%	19 900	16 960	-2 940	-15
41 - 60%	35 800	36 710	910	2
61 - 80%	48 000	34 540	-13 460	-28
81 - 100%	13 700	6 570	-7 130	-52
overstocked	2 700	1 700	-1 000	-37
TOTAL	120 300	96 510	-23 790	-20
SMALL				
up to 40%	64 400	34 230	-30 170	-47
41 - 60%	81 900	75 920	-5 980	-7
61 - 80%	101 500	86 210	-15 290	-15
81 - 100%	19 000	11 190	-7 810	-41
overstocked	2 800	3 120	320	11
TOTAL	269 800	210 690	-59 110	-22
ALL OWNERS				
up to 40%	101 600	61 780	-39 820	-39
41 - 60%	142 300	147 120	4 820	3
61 - 80%	177 100	154 300	-22 800	-13
81 - 100%	35 800	23 130	-12 670	-35
overstocked	5 600	6 260	- 660	-12
TOTAL	462 700	392 600	-70 100	-15

TABLE 39
SOUTH SHORE SUBDIVISION
COMPARISON 1966 AND 1977 AREA DATA BY
OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Hectares		Difference	Difference %
	1966	1977		
CROWN				
up to 20 years	1 400	2 500	1 100	79
21 - 40 years	8 400	4 640	-3 760	-45
41 - 60 years	32 600	25 280	-7 320	-22
61 - 80 years	20 500	18 030	-2 470	-12
81 - 100 years	3 500	6 220	2 720	78
101 + years	500	1 290	790	158
Unevenaged	1 300	15 900	14 600	1 123
TOTAL	68 600	73 880	5 280	8
LARGE				
up to 20 years	6 100	3 160	-2 940	-48
21 - 40 years	10 700	13 580	-2 880	-27
41 - 60 years	37 000	29 800	-7 200	-19
61 - 80 years	44 400	23 150	-21 250	-48
81 - 100 years	13 300	12 440	- 860	-6
101 + years	3 100	2 950	- 150	-5
Unevenaged	5 300	11 400	6 100	115
TOTAL	120 300	96 510	-23 790	-20
SMALL				
up to 20 years	19 800	10 670	-9 130	-46
21 - 40 years	38 800	41 150	2 350	6
41 - 60 years	113 700	71 160	-42 540	-37
61 - 80 years	72 100	38 970	-33 130	-46
81 - 100 years	16 700	14 850	-1 850	-11
101 + years	3 800	1 990	-1 810	-48
Unevenaged	4 600	31 870	27 270	593
TOTAL	269 800	210 690	-59 110	-22
ALL OWNERS				
up to 20 years	27 800	16 340	-11 460	-41
21 - 40 years	58 400	59 960	1 560	3
41 - 60 years	185 100	127 600	-57 500	-31
61 - 80 years	138 300	83 880	-54 420	-39
81 - 100 years	33 800	36 410	2 610	8
101 + years	7 600	6 240	-1 360	-18
Unevenaged	11 400	62 160	50 760	445
TOTAL	462 700	392 600	-70 100	-15

TABLE 40
 QUEENS COUNTY
 COMPARISON 1966 AND 1977 AREA DATA BY
 OWNERSHIP AND LAND CLASS

OWNERSHIP AND LAND CLASS	Hectares		Difference	Difference %
	1966	1977		
CROWN				
Softwood	21 900	20 950	- 950	-4
Mixedwood	7 800	7 560	- 240	-3
Hardwood	13 600	9 990	-3 610	-26
Total Forest	43 400	38 510	-4 890	-11
Non Forest	17 700	14 080	-3 620	-20
Water & Flowage	16 100	47 760	31 660	196
Total Non Forest	33 800	61 840	28 040	83
TOTAL	77 300	100 360	23 060	30
LARGE				
Softwood	40 700	28 020	-12 680	-31
Mixedwood	17 300	17 410	110	1
Hardwood	10 200	8 010	-2 190	-21
Total Forest	68 300	53 450	-14 850	-22
Non Forest	9 600	10 530	930	10
Water & Flowage	8 800	11 550	2 750	31
Total Non Forest	18 400	22 080	3 680	20
TOTAL	86 800	75 540	-11 260	-13
SMALL				
Softwood	32 000	23 230	-8 770	-27
Mixedwood	30 000	19 380	-10 620	-35
Hardwood	28 300	14 900	-13 400	-47
Total Forest	90 400	57 520	-32 880	-36
Non Forest	11 000	16 120	5 120	46
Water & Flowage	5 500	12 800	7 300	133
Total Non Forest	16 500	28 920	12 420	75
TOTAL	106 900	86 450	-20 450	-19
ALL OWNERS				
Softwood	96 000	78 530	-17 470	-18
Mixedwood	56 400	47 830	-8 570	-15
Hardwood	53 400	34 630	-18 770	-35
Total Forest	205 900	160 990	-44 910	-22
Non Forest	38 700	41 440	2 740	7
Water & Flowage	31 200	74 270	43 070	138
Total Non Forest	69 900	115 710	45 810	65
TOTAL	276 700	276 700		

TABLE 41
 QUEENS COUNTY
 COMPARISON 1966 AND 1977 AREA DATA BY
 OWNERSHIP AND DENSITY CLASS

OWNERSHIP AND DENSITY CLASS	Hectares		Difference	Difference %
	1966	1977		
CROWN				
up to 40%	9 100	5 170	-3 930	-43
41 - 60%	13 900	17 530	3 630	26
61 - 80%	17 600	13 790	-3 810	-22
81 - 100%	2 600	1 920	- 680	-26
overstocked		80	80	8 000
TOTAL	43 400	38 510	-4 890	-11
LARGE				
up to 40%	12 300	9 780	-2 520	-20
41 - 60%	21 900	21 720	- 180	-1
61 - 80%	27 100	16 620	-10 480	-39
81 - 100%	5 300	3 610	-1 690	-32
overstocked	1 600	1 700	100	6
TOTAL	68 300	53 450	-14 850	-22
SMALL				
up to 40%	23 800	8 920	-14 880	-62
41 - 60%	28 400	17 900	-10 500	-37
61 - 80%	34 000	25 950	-8 050	-24
81 - 100%	3 700	3 260	- 440	-12
overstocked	200	1 450	1 250	625
TOTAL	90 400	57 520	-32 880	-36
ALL OWNERS				
up to 40%	46 200	24 130	-22 070	-48
41 - 60%	65 200	61 040	-4 160	-6
61 - 80%	80 500	62 430	-18 070	-22
81 - 100%	12 000	9 810	-2 190	-18
overstocked	1 900	3 570	1 670	88
TOTAL	205 900	160 990	-44 910	-22

TABLE 42
 QUEENS COUNTY
 COMPARISON 1966 AND 1977 AREA DATA BY
 OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Hectares		Difference	Difference %
	1966	1977		
CROWN				
up to 20 years	400	460	60	15
21 - 40 years	4 100	2 150	-1 950	-48
41 - 60 years	19 800	11 350	-8 450	-43
61 - 80 years	14 600	9 080	-5 520	-38
81 - 100 years	2 900	3 190	290	10
101 + years	500	1 030	530	106
Unevenaged	800	11 230	10 430	1 304
TOTAL	43 400	38 510	-4 890	-11
LARGE				
up to 20 years	3 600	310	-3 290	-91
21 - 40 years	6 600	7 880	1 280	19
41 - 60 years	20 400	15 380	-5 020	-25
61 - 80 years	21 300	12 530	-8 770	-41
81 - 100 years	10 800	9 360	-1 440	-13
101 + years	2 100	1 770	- 330	-16
Unevenaged	3 300	6 190	2 890	86
TOTAL	68 300	53 450	-14 850	-22
SMALL				
up to 20 years	5 200	2 310	-2 890	-56
21 - 40 years	11 300	10 510	- 790	-7
41 - 60 years	41 500	19 790	-21 710	-52
61 - 80 years	26 100	12 550	-13 550	-52
81 - 100 years	3 400	3 760	360	11
101 + years	400	290	- 110	-27
Unevenaged	2 200	8 280	6 080	276
TOTAL	90 400	57 520	-32 880	-36
ALL OWNERS				
up to 20 years	9 700	3 090	-6 610	-68
21 - 40 years	22 400	21 130	-1 270	-6
41 - 60 years	83 600	47 860	-35 740	-43
61 - 80 years	63 300	37 890	-25 410	-40
81 - 100 years	17 200	19 210	2 010	12
101 + years	3 100	3 100	0	0
Unevenaged	6 300	28 690	22 370	355
TOTAL	205 900	160 990	-44 910	-22

TABLE 43
LUNENBURG COUNTY
COMPARISON 1966 AND 1977 AREA DATA BY
OWNERSHIP AND LAND CLASS

OWNERSHIP & LAND CLASS	Hectares		Difference	Difference %
	1966	1977		
CROWN				
Softwood	8 300	11 570	3 270	39
Mixedwood	8 200	12 240	4 040	49
Hardwood	8 500	11 560	3 060	36
Total Forest	25 200	35 370	10 170	40
Non Forest	2 400	3 910	1 510	63
Water & Flowage	4 400	22 130	17 730	403
Total Non Forest	6 800	26 040	19 240	283
TOTAL	32 100	61 450	29 350	91
LARGE				
Softwood	30 800	25 770	-5 030	-16
Mixedwood	12 900	9 030	-3 870	-30
Hardwood	8 200	8 240	40	
Total Forest	52 000	43 060	-8 940	-17
Non Forest	2 100	2 340	240	11
Water & Flowage	3 700	3 750	50	1
Total Non Forest	5 800	6 090	290	5
TOTAL	57 900	49 170	-8 730	-15
SMALL				
Softwood	101 100	79 030	-22 070	-22
Mixedwood	45 800	49 970	4 170	9
Hardwood	32 400	24 160	-8 240	-25
Total Forest	179 400	153 170	-26 230	-15
Non Forest	28 600	32 080	3 480	12
Water & Flowage	10 500	16 230	5 730	54
Total Non Forest	39 100	48 310	9 210	23
TOTAL	218 600	201 490	-17 110	-8
ALL OWNERS				
Softwood	140 300	116 380	-23 920	-17
Mixedwood	67 000	71 250	4 250	6
Hardwood	49 200	43 960	-5 240	-11
Total Forest	256 700	231 600	-25 100	-10
Non Forest	33 300	38 360	5 060	15
Water & Flowage	18 600	42 140	23 540	126
Total Non Forest	51 900	80 500	28 600	55
TOTAL	312 100	312 100		

TABLE 44
LUNENBURG COUNTY
COMPARISON 1966 AND 1977 AREA DATA BY
OWNERSHIP AND DENSITY CLASS

OWNERSHIP AND DENSITY CLASS	Hectares		Difference	Difference %
	1966	1977		
CROWN				
up to 40%	7 100	5 160	-1 940	-27
41 - 60%	9 700	13 060	3 360	35
61 - 80%	8 100	13 690	5 590	69
81 - 100%	100	2 430	2 330	2 330
overstocked		1 020	1 020	
TOTAL	25 200	35 370	10 170	40
LARGE				
up to 40%	7 500	7 170	- 330	-4
41 - 60%	13 900	14 990	1 090	8
61 - 80%	20 900	17 920	-2 980	-14
81 - 100%	8 400	2 960	-5 440	-65
overstocked	1 000		-1 000	-100
TOTAL	52 000	43 060	-8 940	-17
SMALL				
up to 40%	40 600	34 230	-6 370	-16
41 - 60%	53 400	58 010	4 610	9
61 - 80%	67 500	60 250	-7 250	-11
81 - 100%	15 200	7 920	-7 280	-48
overstocked	2 600	1 660	- 940	-36
TOTAL	179 400	153 170	-26 230	-15
ALL OWNERS				
up to 40%	55 400	37 650	-17 750	-32
41 - 60%	77 000	86 070	9 070	12
61 - 80%	96 500	91 860	-4 640	-5
81 - 100%	23 800	13 320	-10 480	-44
overstocked	3 700	2 690	-1 010	-27
TOTAL	256 700	231 600	-25 100	-10

TABLE 45
LUNENBURG COUNTY
COMPARISON 1966 AND 1977 AREA DATA BY
OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Hectares		Difference	Difference %
	1966	1977		
CROWN				
up to 20 years	1 000	2 030	1 030	103
21 - 40 years	4 300	2 490	-1 810	-42
41 - 60 years	12 700	13 930	1 230	10
61 - 80 years	5 800	8 950	3 150	54
81 - 100 years	600	3 030	2 430	405
101 + years		260	260	
Unevenaged	400	4 670	4 270	1 067
TOTAL	25 200	35 370	10 170	40
LARGE				
up to 20 years	2 500	2 850	350	14
21 - 40 years	4 100	5 700	1 600	39
41 - 60 years	16 500	14 420	-2 080	-13
61 - 80 years	23 000	10 620	-12 380	-54
81 - 100 years	2 500	3 070	570	23
101 + years	1 000	1 170	170	17
Unevenaged	2 000	5 200	3 200	160
TOTAL	52 000	43 060	-8 940	-17
SMALL				
up to 20 years	14 500	8 350	-6 150	-42
21 - 40 years	27 500	30 630	3 130	11
41 - 60 years	72 100	51 370	-20 730	-29
61 - 80 years	46 000	26 410	-19 590	-43
81 - 100 years	13 300	11 080	-2 220	-17
100 + years	3 400	1 690	-1 710	-50
Unevenaged	2 400	23 590	21 190	883
TOTAL	179 400	153 170	-26 230	-15
ALL OWNERS				
up to 20 years	18 000	13 250	-4 750	-26
21 - 40 years	35 900	38 820	2 920	8
41 - 60 years	101 500	79 730	-21 770	-21
61 - 80 years	74 900	45 990	-28 910	-39
81 - 100 years	16 500	17 190	690	4
101 + years	4 400	3 130	-1 270	-29
Unevenaged	5 000	33 460	28 460	569
TOTAL	256 700	231 600	-25 100	-10

TABLE 46
 SOUTH SHORE SUBDIVISION
 COMPARISON 1966 AND 1977 VOLUME DATA BY
 OWNERSHIP AND COVER TYPE

OWNERSHIP AND COVER TYPE	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
CROWN				
Softwood	1 274	1 847	573	45
Mixedwood	769	1 366	597	78
Hardwood	861	1 137	276	32
TOTAL	2 905	4 351	1 446	50
LARGE				
Softwood	5 967	4 225	-1 742	-29
Mixedwood	2 037	1 864	- 173	-8
Hardwood	731	971	240	33
TOTAL	8 735	7 061	-1 674	-19
SMALL				
Softwood	6 955	6 635	- 320	-5
Mixedwood	3 482	3 943	461	13
Hardwood	2 245	2 043	- 202	-9
TOTAL	12 684	12 620	-64	-1
ALL OWNERS				
Softwood	14 373	13 394	- 979	-7
Mixedwood	6 376	7 524	1 148	18
Hardwood	3 909	4 303	394	10
TOTAL	24 659	25 220	561	2

TABLE 47
SOUTH SHORE SUBDIVISION
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND DENSITY CLASS

OWNERSHIP AND DENSITY	1966	Gross Merchantable Cubic Metres (Thousands)		
		1977	Difference	Difference %
CROWN				
up to 40%	370	340	-30	-8
41 - 60%	777	1 755	978	126
61 - 80%	1 629	1 834	205	13
81 - 100%	127	382	255	201
overstocked		38	38	3 800
TOTAL	2 905	4 351	1 446	50
LARGE				
up to 40%	460	751	291	63
41 - 60%	1 855	2 504	649	35
61 - 80%	4 230	2 951	-1 279	-30
81 - 100%	1 771	601	-1 170	-66
overstocked	417	252	-165	-40
TOTAL	8 735	7 061	-1 674	-19
SMALL				
up to 40%	1 295	976	-319	-25
41 - 60%	3 346	4 289	943	28
61 - 80%	6 469	6 260	-209	-3
81 - 100%	1 468	915	-553	-38
overstocked	105	178	73	69
TOTAL	12 684	12 620	-64	
ALL OWNERS				
up to 40%	2 139	2 089	-50	-2
41 - 60%	6 054	8 885	2 831	47
61 - 80%	12 535	11 664	-871	-7
81 - 100%	3 407	2 071	-1 336	-39
overstocked	523	509	-14	-3
TOTAL	24 659	25 220	561	2

TABLE 48
SOUTH SHORE SUBDIVISION
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Gross Merchantable Cubic Metres			
	1966	1977	(Thousands) Difference	Difference %
CROWN				
up to 20 years	5	17	12	240
21 - 40 years	136	166	30	22
41 - 60 years	1 363	1 192	- 171	-13
61 - 80 years	1 121	1 288	167	15
81 - 100 years	178	698	520	292
101 + years	19	74	55	289
Unevenaged	80	913	833	1 041
TOTAL	2 905	4 351	1 446	50
LARGE				
up to 20 years	45	29	-16	-36
21 - 40 years	198	494	296	149
41 - 60 years	2 245	1 733	- 512	-23
61 - 80 years	3 868	2 003	-1 865	-48
81 - 100 years	1 636	1 589	-47	-3
101 + years	318	403	85	27
Unevenaged	421	806	385	91
TOTAL	8 735	7 061	-1 674	-19
SMALL				
up to 20 years	72	90	18	25
21 - 40 years	705	1 343	638	90
41 - 60 years	5 452	4 090	-1 362	-25
61 - 80 years	4 748	3 112	-1 636	-34
81 - 100 years	1 138	1 825	687	60
101 + years	389	329	-60	-15
Unevenaged	178	1 827	1 649	926
TOTAL	12 684	12 620	-64	-1
ALL OWNERS				
up to 20 years	124	137	13	10
21 - 40 years	1 069	2 047	978	91
41 - 60 years	9 193	7 101	-2 092	-23
61 - 80 years	9 902	6 880	-3 022	-31
81 - 100 years	2 962	4 491	1 529	52
101 + years	726	806	80	11
Unevenaged	680	3 750	3 070	451
TOTAL	24 659	25 220	561	2

TABLE 49
SOUTH SHORE SUBDIVISION
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
CROWN				
White Spruce	4	10	6	150
Spruce (red & black)	717	1 042	325	45
Fir	299	347	48	16
Hemlock	41	140	99	241
Pines (red & white)	584	1 012	428	73
Other Softwood	52	49	-3	-6
Total Softwood	1 700	2 603	903	53
Sugar Maple	10	3	-7	-70
Red Maple	547	875	328	60
Yellow Birch	34	48	14	41
White Birch	107	165	58	54
Aspen	212	325	113	53
Other Hardwood	292	328	36	12
Total Hardwood	1 204	1 747	543	45
Total	2 905	4 351	1 446	50

TABLE 50
SOUTH SHORE SUBDIVISION
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres)			
	1966	1977	(Thousands) Difference	Difference %
LARGE				
White Spruce	40	28	-12	-30
Spruce (red & black)	3 343	2 808	- 535	-16
Fir	1 162	659	- 503	-43
Hemlock	764	318	- 446	-58
Pines (red & white)	1 132	1 157	25	2
Other Softwood	57	52	-5	-9
Total Softwood	6 501	5 025	-1 476	-28
Sugar Maple	100	86	-14	-14
Red Maple	1 253	1 147	- 106	-8
Yellow Birch	246	143	- 103	-42
White Birch	208	182	-26	-12
Aspen	100	136	36	36
Other Hardwood	323	337	14	4
Total Hardwood	2 234	2 036	- 198	-9
TOTAL	8 735	7 061	-1 674	-19

TABLE 51
SOUTH SHORE SUBDIVISION
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
SMALL				
White Spruce	289	394	105	36
Spruce (red & black)	4 045	3 866	- 179	-4
Fir	1 849	1 331	- 518	-28
Hemlock	1 025	1 175	150	15
Pine (red & white)	1 133	1 607	474	42
Other Softwood	198	330	132	67
Total Softwood	8 542	8 707	165	2
Sugar Maple	159	74	-85	-53
Red Maple	1 866	1 703	- 163	-9
Yellow Birch	291	253	-38	-13
White Birch	395	329	-66	-17
Aspen	526	672	146	28
Other Hardwood	902	876	-26	-3
Total Hardwood	4 142	3 912	- 230	-6
TOTAL	12 684	12 620	-64	

TABLE 52
SOUTH SHORE SUBDIVISION
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
ALL OWNERS				
White Spruce	335	433	98	29
Spruce (red & black)	8 134	7 859	- 275	-3
Fir	3 342	2 370	- 972	-29
Hemlock	1 974	1 945	-29	-1
Pines (red & white)	2 864	4 078	1 214	42
Other Softwood	311	443	132	42
Total Softwood	16 961	17 131	170	1
Sugar Maple	270	167	- 103	-38
Red Maple	3 717	3 880	163	4
Yellow Birch	576	453	- 123	-21
White Birch	723	751	28	4
Aspen	857	1 165	308	36
Other Hardwood	1 552	1 242	- 310	-20
Total Hardwood	7 698	8 088	390	5
TOTAL	24 659	25 220	561	2

TABLE 53
 QUEENS COUNTY
 COMPARISON 1966 AND 1977 VOLUME DATA BY
 OWNERSHIP AND COVER TYPE

OWNERSHIP AND COVER TYPE	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
CROWN				
Softwood	944	1 166	222	23
Mixedwood	412	517	105	25
Hardwood	624	661	37	6
TOTAL	1 982	2 345	363	18
LARGE				
Softwood	3 348	2 174	-1 174	-35
Mixedwood	1 031	1 090	59	6
Hardwood	346	470	124	36
TOTAL	4 726	3 736	- 990	-21
SMALL				
Softwood	1 758	1 599	- 159	-9
Mixedwood	1 368	1 131	- 237	-17
Hardwood	1 010	854	- 156	-15
TOTAL	4 137	3 584	- 553	-13
ALL OWNERS				
Softwood	6 227	5 624	- 603	-10
Mixedwood	2 900	3 088	188	6
Hardwood	2 052	2 136	84	4
TOTAL	11 180	10 848	- 332	-3

TABLE 54
 QUEENS COUNTY
 COMPARISON 1966 AND 1977 VOLUME DATA BY
 OWNERSHIP AND DENSITY CLASS

OWNERSHIP AND DENSITY CLASS	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
CROWN				
up to 40%	244	163	-81	-33
41 - 60%	489	1 028	539	110
61 - 80%	1 130	985	- 145	-13
81 - 100%	117	167	50	43
overstocked				
TOTAL	1 982	2 345	363	18
LARGE				
up to 40%	306	476	170	56
41 - 60%	1 068	1 300	232	22
61 - 80%	2 256	1 341	- 915	-41
81 - 100%	751	365	- 386	-51
overstocked	342	252	-90	-26
TOTAL	3 726	3 736	- 990	-21
SMALL				
up to 40%	501	320	- 181	-36
41 - 60%	1 111	965	- 146	-13
61 - 80%	2 244	1 988	- 256	-11
81 - 100%	266	241	-25	-9
overstocked	13	69	56	431
TOTAL	4 137	3 584	- 553	-13
ALL OWNERS				
up to 40%	1 065	981	-84	-8
41 - 60%	2 744	3 628	884	32
61 - 80%	5 837	4 931	- 906	-15
81 - 100%	1 175	945	- 230	-20
overstocked	356	362	6	2
TOTAL	11 180	10 848	- 332	-3

TABLE 55
 QUEENS COUNTY
 COMPARISON 1966 AND 1977 VOLUME DATA BY
 OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
CROWN				
up to 20 years	1	10	9	900
21 - 40 years	72	86	14	19
41 - 60 years	869	554	- 315	-36
61 - 80 years	790	626	- 164	-21
81 - 100 years	156	337	181	116
101 + years	19	37	18	95
Unevenaged	72	692	620	861
TOTAL	1 982	2 345	363	18
LARGE				
up to 20 years	13	4	-9	-69
21 - 40 years	114	274	160	140
41 - 60 years	1 152	818	- 334	-29
61 - 81 years	1 678	951	- 727	-43
81 - 100 years	1 301	1 147	- 154	-12
101 + years	186	225	39	21
unevenaged	277	315	38	14
TOTAL	4 726	3 736	- 990	-21
SMALL				
up to 20 years	10	32	22	220
21 - 40 years	126	366	240	190
41 - 60 years	1 934	1 190	- 744	-38
61 - 80 years	1 662	1 001	- 661	-40
81 - 100 years	292	445	153	52
101 + years	31	25	-6	-19
unevenaged	79	523	444	562
TOTAL	4 137	3 584	- 553	-13
ALL OWNERS				
up to 20 years	26	47	21	81
21 - 40 years	342	769	427	125
41 - 60 years	4 089	2 647	-1 442	-35
61 - 80 years	4 295	3 055	-1 240	-29
81 - 100 years	1 759	2 307	548	31
101 + years	237	287	50	21
Unevenaged	429	1 733	1 304	304
TOTAL	11 180	10 848	- 332	-3

TABLE 56
 QUEENS COUNTY
 COMPARISON 1966 AND 1977 VOLUME DATA BY
 OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres			
	1966	1977	(Thousands) Difference	Difference %
CROWN				
White Spruce				
Spruce (red & black)	465	396	-69	-15
Fir	211	149	-62	-29
Hemlock	31	65	34	110
Pines (red & white)	437	791	354	81
Other Softwood	29	30	1	3
Total Softwood	1 175	1 434	259	22
Sugar Maple	10		10	100
Red Maple	365	407	42	11
Yellow Birch	21	28	7	33
White Birch	83	97	14	17
Aspen	78	158	80	103
Other Hardwood	246	216	-30	-12
Total Hardwood	806	911	105	13
TOTAL	1 982	2 345	363	18

TABLE 57
 QUEENS COUNTY
 COMPARISON 1966 AND 1977 VOLUME DATA BY
 OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres			
	1966	1977	(Thousands) Difference	Difference %
LARGE				
White Spruce	6		-6	- 100
Spruce (red & black)	1 489	1 170	- 319	-21
Fir	491	220	- 271	-55
Hemlock	651	253	- 398	-61
Pines (red & white)	910	1 003	93	10
Other Softwood	48	31	-17	-35
Total Softwood	3 598	2 681	- 917	-25
Sugar Maple	22	1	-21	-95
Red Maple	678	599	-79	-12
Yellow Birch	83	30	-53	-64
White Birch	86	104	18	21
Aspen	44	103	59	134
Other Hardwood	211	214	3	1
Total Hardwood	1 127	1 055	-72	-6
TOTAL	4 726	3 736	- 990	-21

TABLE 58
 QUEENS COUNTY
 COMPARISON 1966 AND 1977 VOLUME DATA BY
 OWNERSHIP AND SPECIES

OWNERSHIP & SPECIES	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
SMALL				
White Spruce	56	8	-48	-86
Spruce (red & black)	1 096	712	- 384	-35
Fir	477	330	- 147	-31
Hemlock	337	370	33	10
Pines (red & white)	437	735	298	68
Other Softwood	48	102	54	112
Total Softwood	2 453	2 261	- 192	-8
Sugar Maple	15	6	-9	-60
Red Maple	735	535	- 200	-27
Yellow Birch	88	65	-23	-26
White Birch	211	133	-78	-37
Aspen	203	168	-35	-17
Other Hardwood	429	411	-18	-4
Total Hardwood	1 683	1 323	- 360	-21
TOTAL	4 137	3 584	- 553	-13

TABLE 59
 QUEENS COUNTY
 COMPARISON 1966 AND 1977 VOLUME DATA BY
 OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
ALL OWNERS				
White Spruce	64	8	-56	-87
Spruce (red & black)	3 078	2 420	- 658	-21
Fir	1 211	732	- 479	-40
Hemlocks	1 162	1 000	- 162	-14
Pines (red & white)	1 799	2 828	1 029	57
Other Softwood	129	176	47	36
Total Softwood	7 445	7 168	- 277	-4
Sugar Maple	47	10	-37	-79
Red Maple	1 830	1 694	- 136	-7
Yellow Birch	196	133	-63	-32
White Birch	391	407	16	4
Aspen	344	462	118	34
Other Hardwood	922	967	45	5
Total Hardwood	3 734	3 679	-55	-1
TOTAL	11 180	10 848	- 332	-3

TABLE 60
LUNENBURG COUNTY
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND COVER TYPE

OWNERSHIP AND COVER TYPE	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
CROWN				
Softwood	330	680	350	106
Mixedwood	356	848	492	138
Hardwood	236	476	240	102
TOTAL	923	2 005	1 082	117
LARGE				
Softwood	2 619	2 050	- 569	-22
Mixedwood	1 005	773	- 232	-23
Hardwood	384	501	117	30
TOTAL	4 009	3 325	- 684	-17
SMALL				
Softwood	5 197	5 035	- 162	-3
Mixedwood	2 114	2 811	697	33
Hardwood	1 235	1 188	-47	-4
TOTAL	8 547	9 035	488	6
ALL OWNERS				
Softwood	8 146	7 768	- 378	-5
Mixedwood	3 476	4 435	959	28
Hardwood	1 856	2 166	310	17
TOTAL	13 479	14 369	890	7

TABLE 61
LUNENBURG COUNTY
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND DENSITY CLASS

OWNERSHIP AND DENSITY CLASS	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
CROWN				
up to 40%	125	176	51	41
41 - 60%	287	726	439	153
61 - 80%	499	849	350	70
81 - 100%	10	215	205	2 050
overstocked		38	38	3 800
TOTAL	923	2 005	1 082	117
LARGE				
up to 40%	154	274	120	78
41 - 60%	786	1 203	417	53
61 - 80%	1 974	1 610	- 364	-18
81 - 100%	1 019	235	- 784	-77
overstocked	75		-75	- 100
TOTAL	4 009	3 325	- 684	-17
SMALL				
up to 40%	793	976	183	23
41 - 60%	2 234	3 325	1 091	49
61 - 80%	4 224	4 271	47	1
81 - 100%	1 202	674	- 528	-44
overstocked	91	108	17	19
TOTAL	8 547	9 035	488	6
ALL OWNERS				
up to 40%	1 073	1 106	33	3
41 - 60%	3 309	5 257	1 948	59
61 - 80%	6 697	6 732	35	0
81 - 100%	2 232	1 125	-1 107	-50
overstocked	166	146	-20	-12
TOTAL	13 479	14 369	890	7

TABLE 62
LUNENBURG COUNTY
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND AGE CLASS

OWNERSHIP AND AGE CLASS	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
CROWN				
up to 20 years	4	6	2	50
21 - 40 years	64	80	16	25
41 - 60 years	493	638	145	29
61 - 80 years	330	662	332	101
81 - 100 years	21	361	340	1 619
101 + years		37	37	3 700
unevenaged	8	221	213	2 662
TOTAL	923	2 005	1 082	117
LARGE				
up to 20 years	31	25	-6	-19
21 - 40 years	83	219	136	164
41 - 60 years	1 092	915	- 177	-16
61 - 80 years	2 190	1 051	-1 139	-52
81 - 100 years	334	442	108	32
101 + years	131	178	47	36
unevenaged	143	490	347	243
TOTAL	4 009	3 325	- 684	-17
SMALL				
up to 20 years	61	58	-3	-5
21 - 40 years	579	976	397	69
41 - 60 years	3 518	2 900	- 618	-18
61 - 80 years	3 086	2 110	- 976	-32
81 - 100 years	846	1 381	535	63
101 + years	357	304	-53	-15
unevenaged	98	1 303	1 205	1 230
TOTAL	8 547	9 035	488	6
ALL OWNERS				
up to 20 years	97	89	-8	-8
21 - 40 years	727	1 277	550	76
41 - 60 years	5 104	4 454	- 650	-13
61 - 80 years	5 607	3 825	-1 782	-32
81 - 100 years	1 203	2 184	981	81
101 + years	489	519	30	6
unevenaged	251	2 016	1 765	703
TOTAL	13 479	14 369	890	7

TABLE 63
LUNENBURG COUNTY
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
CROWN				
White Spruce	3	10	7	233
Spruce (red & black)	252	645	393	156
Fir	88	198	110	125
Hemlock	10	75	65	650
Pines (red & white)	146	219	73	50
Other Softwood	22	18	-4	-18
Total Softwood	524	1 169	645	123
Sugar Maple		2	2	200
Red Maple	181	467	286	158
Yellow Birch	12	19	7	58
White Birch	24	68	44	183
Aspen	133	167	34	26
Other Hardwood	45	108	63	140
Total Hardwood	398	835	437	110
TOTAL	923	2 005	1 082	117

TABLE 64
LUNENBURG COUNTY
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
LARGE				
White Spruce	34	28	-6	-18
Spruce (red & black)	1 854	1 638	- 216	-12
Fir	670	438	- 232	-35
Hemlock	113	64	-49	-43
Pines (red & white)	221	153	-68	-31
Other Softwood	8	21	13	162
Total Softwood	2 902	2 344	- 558	-19
Sugar Maple	78	85	7	9
Red Maple	574	548	-26	-4
Yellow Birch	163	113	-50	-31
White Birch	122	77	-45	-37
Aspen	56	32	-24	-43
Other Hardwood	111	122	11	10
Total Hardwood	1 106	981	- 125	-11
TOTAL	4 009	3 325	- 684	-17

TABLE 65
LUNENBURG COUNTY
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
SMALL				
White Spruce	232	386	154	66
Spruce (red & black)	2 949	3 156	207	7
Fir	1 371	1 001	- 370	-27
Hemlock	688	805	117	17
Pines (red & white)	696	869	173	25
Other Softwood	150	227	77	51
Total Softwood	6 088	6 447	359	6
Sugar Maple	144	68	-76	-53
Red Maple	1 130	1 167	37	3
Yellow Birch	203	187	-16	-8
White Birch	184	196	12	6
Aspen	322	504	182	56
Other Hardwood	472	460	-12	-2
Total Hardwood	2 458	2 587	129	5
TOTAL	8 547	9 035	788	6

TABLE 66
LUNENBURG COUNTY
COMPARISON 1966 AND 1977 VOLUME DATA BY
OWNERSHIP AND SPECIES

OWNERSHIP AND SPECIES	Gross Merchantable Cubic Metres (Thousands)			
	1966	1977	Difference	Difference %
ALL OWNERS				
White Spruce	271	425	154	57
Spruce (red & black)	5 056	5 443	387	8
Fir	2 130	1 639	- 491	-23
Hemlock	811	944	133	16
Pines (red & white)	1 064	1 242	178	17
Other Softwood	182	266	84	46
Total Softwood	9 515	9 962	447	5
Sugar Maple	222	156	-66	-30
Red Maple	1 886	2 185	299	16
Yellow Birch	379	320	-59	-16
White Birch	331	343	12	4
Aspen	512	703	191	37
Other Hardwood	630	694	64	10
Total Hardwood	3 963	4 406	443	11
TOTAL	13 479	14 369	890	7

TABLE 67
SOUTH SHORE SUBDIVISION
COMPARISON 1956, 1966 AND 1977 AREA DATA BY
COUNTY AND LAND CLASS

COUNTY & LAND CLASS	Hectares			Diff. % 1956-66	Diff. % 1966-77	Diff. % 1956-77
	1956	1966	1977			
QUEENS						
Softwood	86 600	96 000	78 530	11	-18	-9
Mixedwood	76 200	56 400	47 830	-26	-15	-37
Hardwood	2 400	53 400	34 630	2 125	-35	1 343
Other	14 000					
Total Forest	179 400	205 900	160 990	15	-22	-10
Non Forest	57 500	38 700	41 440	-32	7	-28
Water & Flowage	39 600	31 200	74 270	-21	138	87
Total Non Forest	97 200	69 900	115 710	-28	65	19
TOTAL	276 700	276 700	276 700			
LUNENBURG						
Softwood	132 700	140 300	116 380	6	-17	-12
Mixedwood	70 900	67 000	71 250	-5	6	
Hardwood	4 100	49 200	43 960	1 100	-11	972
Other	15 800					
Total Forest	223 600	256 700	231 600	15	-10	4
Non Forest	66 600	33 300	38 360	-50	15	-42
Water & Flowage	21 800	18 600	42 140	-14	126	93
Total Non Forest	88 400	51 900	80 500	-41	55	-9
TOTAL	312 100	312 100	312 100			
SUBDIVISION						
Softwood	219 400	236 400	194 920	8	-17	-11
Mixedwood	147 100	123 500	119 080	-16	-4	-19
Hardwood	6 600	102 700	78 600	1 456	-23	1 091
Other	29 800					
Total Forest	403 100	462 700	392 600	15	-15	-3
Non Forest	124 200	72 100	79 800	-42	11	-36
Water & Flowage	61 400	49 900	116 410	-19	133	89
Total Non Forest	185 600	122 000	196 210	-34	60	6
TOTAL	588 800	588 800	588 800			

TABLE 68
SOUTH SHORE
COMPARISON 1956, 1966 AND 1977 VOLUME DATA BY
COUNTY AND SPECIES

COUNTY & SPECIES	Gross Cubic Metres			% Diff. 1956-66	% Diff. 1966-77	% Diff. 1956-77
	1956	1966	1977			
QUEENS						
White Spruce	142	73	11	-49	-85	-92
Spruce (red & black)	3 271	3 746	3 067	14	-18	-6
Fir	2 001	1 549	972	-23	-37	-51
Hemlock	1 190	1 312	1 153	10	-12	-3
Pines (red & white)	1 555	2 067	3 165	33	53	104
Other Softwood	91	162	230	78	42	53
Total Softwood	8 253	8 911	8 600	8	-3	4
Sugar Maple	159	59	15	-63	-75	-91
Red Maple	1 611	2 324	2 278	44	-2	41
Yellow Birch	369	235	162	-36	394	215
White Birch	523	507	556	-3	10	6
Aspen	352	403	554	14	37	57
Other Hardwood	940	1 197	1 278	27	7	36
Total Hardwood	3 957	4 728	4 850	19	3	23
TOTAL	12 210	13 639	13 451	12	-1	10
LUNENBURG						
White Spruce	193	320	508	66	59	163
Spruce (red & black)	4 358	6 087	6 744	40	11	55
Fir	2 780	2 713	2 174	-2	-20	-22
Hemlock	1 215	933	1 096	-23	17	-10
Pines (red & white)	2 006	1 216	1 382	-39	14	-31
Other Softwood	127	224	323	76	44	154
Total Softwood	10 683	11 497	12 234	8	6	15
Sugar Maple	201	268	204	33	-24	1
Red Maple	1 917	2 409	2 944	26	22	54
Yellow Birch	417	459	400	10	-13	-4
White Birch	613	435	476	-29	9	-22
Aspen	446	614	855	38	39	92
Other Hardwood	1 041	823	955	-21	16	-8
Total Hardwood	4 637	5 012	5 843	8	17	26
TOTAL	15 320	16 509	18 078	8	10	18

TABLE 68 (Continued)
SOUTH SHORE
COMPARISON 1956, 1966 AND 1977 VOLUME DATA BY
COUNTY AND SPECIES

COUNTY & SPECIES	Gross Cubic Metres					
	1956	1966	1977	% Diff. 1956-66	% Diff. 1966-77	% Diff. 1956-77
SUBDIVISION						
White Spruce	336	394	517 ✓	17	31	54
Spruce (red & black)	7 630	9 833	9 805 ✓	29		29
Fir	4 781	4 263	3 144 ✓	-11	-26	-34
Hemlock	2 406	2 246	2 251 ✓	-7		-6
Pines (red & white)	3 562	3 284	4 556 ✓	-8	39	28
Other Softwood	219	386	558	76	45	55
Total Softwood	18 937	20 408	20 834	8	2	10
Sugar Maple	360	328	219 ✓	-9	-33	-39
Red Maple	3 528	4 734	5 223 ✓	34	10	48
Yellow Birch	787	695	563 ✓	-12	-19	-28
White Birch	1 136	942	1 033 ✓	-17	10	-9
Aspen	799	1 018	1 410 ✓	27	39	76
Other Hardwood	1 981	2 021	2 243 ✓	2	11	13
Total Hardwood	8 594	9 740	10 696 ✓	13	10	24
TOTAL	27 531	30 149	34 531	9	5	15

TABLE 69
 SPECIES DISTRIBUTION AS PER CENT OF GROSS VOLUME FOR SOUTH SHORE SUBDIVISION
 SPECIES FOR 1956, 1966 AND 1977 INVENTORIES BY COUNTY

SPECIES	QUEENS			LUNENBURG			SUBDIVISION		
	1956	1966	1977	1956	1966	1977	1956	1966	1977
White Spruce	1	1		1	2	3	1	1	2
Spruce (red & black)	27	27	23	28	37	37	28	33	31
Fir	16	11	7	18	16	12	17	14	10
Hemlock	10	10	9	8	6	6	9	7	7
Pines (red & white)	13	15	24	13	7	8	13	11	14
Other Softwood	1	1	1	1	1	2	1	2	2
Total Softwood	68	65	64	61	69	68	69	68	66
Sugar Maple	1			1	1	1	1	1	1
Red Maple	13	17	17	13	15	16	13	16	17
Yellow Birch	3	2	1	3	3	2	3	2	2
White Birch	4	4	4	4	3	3	4	3	3
Aspen	3	3	4	3	4	5	3	3	4
Other Hardwood	8	9	10	7	5	5	7	7	7
Total Hardwood	32	35	36	31	31	32	31	32	34
TOTAL	100	100	100	100	100	100	100	100	100

TABLE 70
 COMPARISON OF VOLUME PER HECTARE IN GROSS CUBIC METRES
 FOR SOUTH SHORE SUBDIVISION 1956, 1966 AND 1977

	SOFTWOOD			HARDWOOD			TOTAL		
	1956	1966	1977	1956	1966	1977	1956	1966	1977
QUEENS	46.0	43.2	53.4	22.0	22.9	30.1	68.0	66.2	83.5
LUNENBURG	47.7	44.7	52.8	20.7	19.5	25.2	68.5	64.3	78.0
ALL	46.9	44.1	53.0	21.3	21.0	27.2	68.2	65.1	80.3

1 Cubic Metre per Hectare = 14.291 Cubic Feet per Acre