

Registry of Buyers

of Primary Forest Products

2016



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Registry of Buyers of Primary Forest Products
2016 Calendar Year
Natural Resources
Report FOR 2017-12
May, 2017
ISBN: 978-1-55457-744-6

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FOREWORD

For more than 60 years the Department of Natural Resources (DNR) has been compiling data on harvest volumes and secondary forest products. This data provides a picture of harvest and market trends over a long period of time. In today's forest management environment, data is required at a greater level of accuracy, reliability and in a timely manner. This report provides the volumes extracted from Nova Scotia forests categorized by county and ownership. This data is necessary for annual harvest level reporting.

The Department of Natural Resources has been operating the Registry of Buyers since 1998, which is intended to provide the forest use and management information required now and in the future. In addition to providing forest harvest information, the Registry serves as the focal point or link among the various initiatives that are part of the broader forest management process.

The intent of the Registry is to provide a means of collecting reliable data pertaining to acquisition of primary forest products, export/import of primary forest products, and generation of secondary forest products. The data collected by the Registry also allows the Department of Natural Resources to estimate future demand for primary forest products, and to ensure the sustainability of forest harvests. The information compiled through the Registry is used by the Department of Natural Resources to understand regional primary forest product demand and supply, estimate and monitor sustainable harvest levels, determine long-term resource management needs, and identify forest product and value-added development opportunities.

Part 1 NOVA SCOTIA REGISTRY OF BUYERS

SUMMARY – 2016

The total reported provincial harvest for 2016 was 3,736,468 cubic metres of solid wood. Of this amount, 77% or 2,891,950 cubic metres were softwood species. The total volume of wood acquired for export was reported to be 320,596 cubic metres, or 9% of the total harvest. The total volume of wood imported for use in Nova Scotia was reported to be 217,308 cubic metres, or 6% of the total wood consumed in Nova Scotia.

The provincial harvest for 2016 shows a decrease of 0.3% compared to the 2015 harvest of 3,748,685 cubic metres.

The volumes reported to the Registry as acquired for energy generation includes only primary solid wood delivered from the forest and first used as a fuel. It does not include any amounts of wood wastes or bark fuel acquired from other NS Buyers and manufacturers or imported into NS.

Statistical returns were received from 163 Registered Buyers and there were two non-compliant buyers in 2016. Of the 163 buyers, 125 were reported to be active in the 2016 calendar year.

If you have any questions or comments about this report, contact the Registry of Buyers at (902) 893-5711.

SUMMARY OF BUSINESSES BY PRIMARY BUSINESS TYPE – 2016

Business Type	2015	% of total harvest	2016	% of total harvest
Sawmill	117	54.7%	118	55.7%
Pulp/Paper/Hardboard	3	30.0%	3	32.1%
Energy Generation	3	7.9%	3	2.5%
Other	10	2.6%	9	1.7%
Wood Export	19	3.9%	19	7.3%
Firewood Sales	10	0.9%	11	0.7%
Total No. of Buyers	162	100.0%	163	100.0%

**PROVINCIAL HARVEST BY PRIMARY FOREST
PRODUCT AND SPECIES TYPE
2016**

Product	Percent of Total Harvest	Hardwood m3 solid	Softwood m3 solid	Total m3 solid
Firewood	1%	54,418	339	54,757
Fuelwood	3%	70,035	44,882	114,917
Energy Wood	3%	38,985	58,719	97,704
Posts/Rails, House Logs	<1%	2	1,550	1,552
Pulpwood	41%	597,977	917,617	1,515,594
Studwood/Sawlogs	52%	79,659	1,868,843	1,948,502
OSB Wood/Veneer Logs	<1%	3,442	0	3,442
Totals	100%	844,518	2,891,950	3,736,468

**PRIMARY FOREST PRODUCT EXPORTS
BY PRODUCT AND SPECIES TYPE
2016**

Product	Percent of Total Export	Hardwood m3 solid	Softwood m3 solid	Total m3 solid
Pulpwood	82%	263,885	0	263,885
Studwood/Sawlogs	1%	159	1,774	1,933
OSB Wood/Veneer Logs	1%	1,958	0	1,958
Fuelwood/Firewood	16%	52,820	0	52,820
Totals	100%	318,822	1,774	320,596

Note:

The volume of firewood harvest included in this report reflects only the amount acquired by registered commercial firewood businesses. Firewood businesses acquiring less than 1000 m3 are not required to register.

However, through review of the Statistics Canada 2011 Census; The Statistics Canada Households and the Environment Survey, 2013; and the N.S. Dept. of Energy, Thinkwell Customer Behavior Study, 2008; the Department of Natural Resources estimates that as much as 444,000 cubic metres is used as a household energy source on an annual basis in Nova Scotia.

TOTAL PROVINCIAL HARVEST – 2016
ALL LAND TENURES BY COUNTY OF ORIGIN, SPECIES AND USE

County	Percent of Harvest	Species Type	Provincial m3 solid	Export m3 solid	Total m3 solid
Annapolis	5%	S	154,874	0	154,874
		H	44,606	6,444	51,050
Antigonish	3%	S	85,295	0	85,295
		H	13,255	10,749	24,004
Cape Breton	4%	S	128,089	0	128,089
		H	6,236	6,822	13,058
Colchester	8%	S	219,194	48	219,242
		H	77,149	22,262	99,411
Cumberland	16%	S	377,054	1,726	378,780
		H	95,021	107,055	202,076
Digby	6%	S	200,405	0	200,405
		H	9,597	0	9,597
Guysborough	9%	S	261,009	0	261,009
		H	26,046	45,051	71,097
Hants	6%	S	161,958	0	161,958
		H	43,447	20,341	63,788
Halifax	10%	S	301,112	0	301,112
		H	40,455	26,774	67,229
Inverness	4%	S	116,593	0	116,593
		H	18,442	0	18,442
Kings	4%	S	95,056	0	95,056
		H	35,858	5,967	41,825
Lunenburg	7%	S	198,574	0	198,574
		H	26,320	26,022	52,342
Pictou	7%	S	197,149	0	197,149
		H	46,827	35,796	82,623
Queens	5%	S	163,829	0	163,829
		H	32,494	5,197	37,691
Richmond	2%	S	83,973	0	83,973
		H	1,575	274	1,849
Shelburne	1%	S	23,108	0	23,108
		H	2,815	68	2,883
Victoria	2%	S	82,448	0	82,448
		H	2,320	0	2,320
Yarmouth	1%	S	40,456	0	40,456
		H	3,233	0	3,233
Total	100%	S	2,890,176	1,774	2,891,950
		H	525,696	318,822	844,518
Grand Total			3,415,872	320,596	3,736,468

TOTAL PROVINCIAL HARVEST – 2016
CROWN TENURE BY COUNTY OF ORIGIN, SPECIES AND USE

County	Percent Of harvest	Species Type	Provincial m3 solid	Export m3 solid	Total m3 solid
Annapolis	10%	S	69,839	0	69,839
		H	24,373	2,546	26,919
Antigonish	3%	S	23,264	0	23,264
		H	56	4,791	4,847
Cape Breton	5%	S	41,436	0	41,436
		H	2,796	6,603	9,399
Colchester	5%	S	30,964	0	30,964
		H	4,010	12,929	16,939
Cumberland	10%	S	51,438	0	51,438
		H	21,632	24,239	45,871
Digby	1%	S	9,128	0	9,128
		H	4,099	0	4,099
Guysborough	15%	S	118,157	0	118,157
		H	8,123	30,637	38,760
Hants	2%	S	18,939	0	18,939
		H	954	732	1,686
Halifax	13%	S	103,425	0	103,425
		H	12,223	11,273	23,496
Inverness	5%	S	49,219	0	49,219
		H	5,967	0	5,967
Kings	4%	S	23,773	0	23,773
		H	14,836	124	14,960
Lunenburg	2%	S	17,867	0	17,867
		H	5,453	740	6,193
Pictou	3%	S	23,354	0	23,354
		H	2,329	5,169	7,498
Queens	13%	S	101,942	0	101,942
		H	24,425	4,394	28,819
Richmond	1%	S	11,884	0	11,884
		H	602	0	602
Shelburne	1%	S	5,314	0	5,314
		H	1,341	0	1,341
Victoria	7%	S	66,225	0	66,225
		H	1,621	0	1,621
Yarmouth	0%	S	0	0	0
		H	0	0	0
Total	100%	S	766,168	0	766,168
		H	134,840	104,177	239,017
Grand Total			901,008	104,177	1,005,185

TOTAL PROVINCIAL HARVEST – 2016
INDUSTRIAL TENURE BY COUNTY OF ORIGIN, SPECIES AND USE

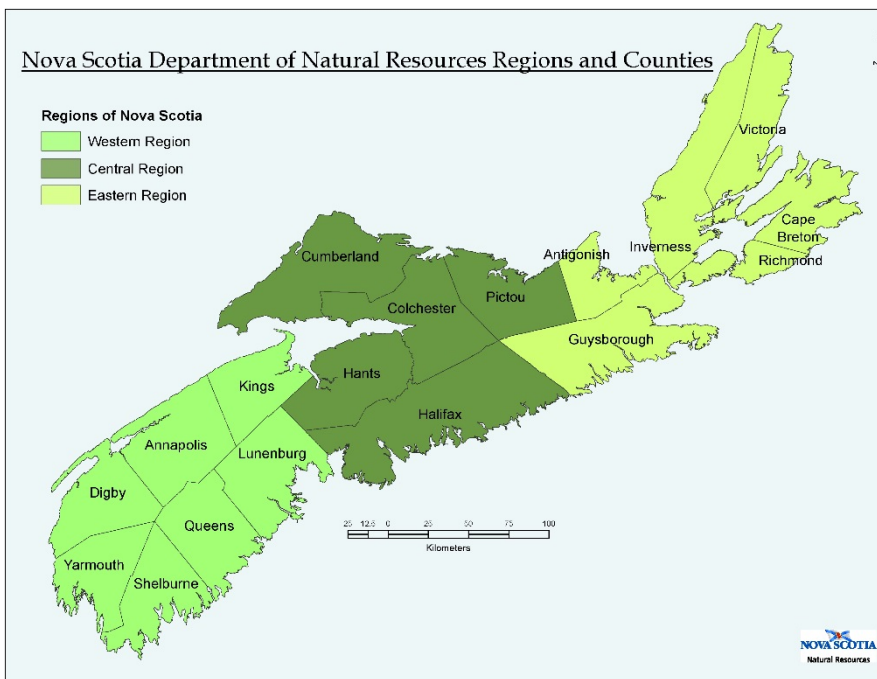
County	Percent of Harvest	Species Type	Provincial m3 solid	Export m3 solid	Total m3 solid
Annapolis	< 1%	S	1,256	0	1,256
		H	42	650	692
Antigonish	0%	S	0	0	0
		H	0	0	0
Cape Breton	0%	S	0	0	0
		H	0	0	0
Colchester	22%	S	61,042	0	61,042
		H	34,876	4,675	39,551
Cumberland	21%	S	71,786	176	71,962
		H	12,552	11,369	23,921
Digby	5%	S	23,928	0	23,928
		H	540	0	540
Guysborough	6%	S	21,746	0	21,746
		H	3,763	0	3,763
Hants	7%	S	29,067	0	29,067
		H	2,629	1,080	3,709
Halifax	27%	S	96,576	0	96,576
		H	19,769	9,204	28,973
Inverness	0%	S	0	0	0
		H	0	0	0
Kings	< 1%	S	568	0	568
		H	86	0	86
Lunenburg	2%	S	9,415	0	9,415
		H	32	0	32
Pictou	6%	S	21,461	0	21,461
		H	5,914	1,969	7,883
Queens	2%	S	8,097	0	8,097
		H	342	0	342
Richmond	0%	S	0	0	0
		H	0	0	0
Shelburne	< 1%	S	7	0	7
		H	0	0	0
Victoria	0%	S	0	0	0
		H	0	0	0
Yarmouth	1%	S	2,860	0	2,860
		H	1,374	0	1,374
Total	100%	S	347,809	176	347,985
		H	81,919	28,947	110,866
Grand Total			429,728	29,123	458,851

TOTAL PROVINCIAL HARVEST – 2016
PRIVATE TENURE BY COUNTY OF ORIGIN, SPECIES AND USE

County	Percent of Harvest	Species Type	Provincial m3 solid	Export m3 solid	Total m3 solid
Annapolis	5%	S	83,779	0	83,779
		H	20,191	3,248	23,439
Antigonish	3%	S	62,031	0	62,031
		H	13,199	5,958	19,157
Cape Breton	4%	S	86,653	0	86,653
		H	3,440	219	3,659
Colchester	7%	S	127,188	48	127,236
		H	38,263	4,658	42,921
Cumberland	17%	S	253,830	1,550	255,380
		H	60,837	71,447	132,284
Digby	8%	S	167,349	0	167,349
		H	4,958	0	4,958
Guysborough	7%	S	121,106	0	121,106
		H	14,160	14,414	28,574
Hants	8%	S	113,952	0	113,952
		H	39,864	18,529	58,393
Halifax	5%	S	101,111	0	101,111
		H	8,463	6,297	14,760
Inverness	3%	S	67,374	0	67,374
		H	12,475	0	12,475
Kings	4%	S	70,715	0	70,715
		H	20,936	5,843	26,779
Lunenburg	9%	S	171,292	0	171,292
		H	20,835	25,282	46,117
Pictou	10%	S	152,334	0	152,334
		H	38,584	28,658	67,242
Queens	3%	S	53,790	0	53,790
		H	7,727	803	8,530
Richmond	3%	S	72,089	0	72,089
		H	973	274	1,247
Shelburne	1%	S	17,787	0	17,787
		H	1,474	68	1,542
Victoria	1%	S	16,223	0	16,223
		H	699	0	699
Yarmouth	2%	S	37,596	32	37,596
		H	1,859	0	1,859
Total	100%	S	1,776,199	1,598	1,777,797
		H	308,937	185,698	494,635
Grand Total			2,085,136	187,296	2,272,432

TOTAL PROVINCIAL HARVEST – 2016
FEDERAL TENURE BY COUNTY OF ORIGIN, SPECIES AND USE

County	Percent Of Harvest	Species Type	Provincial m3 solid	Export m3 solid	Total m3 solid
Annapolis	0%	S	0	0	0
		H	0	0	0
Antigonish	0%	S	0	0	0
		H	0	0	0
Cape Breton	0%	S	0	0	0
		H	0	0	0
Colchester	0%	S	0	0	0
		H	0	0	0
Cumberland	0%	S	0	0	0
		H	0	0	0
Digby	0%	S	0	0	0
		H	0	0	0
Guysborough	0%	S	0	0	0
		H	0	0	0
Hants	0%	S	0	0	0
		H	0	0	0
Halifax	0%	S	0	0	0
		H	0	0	0
Inverness	0%	S	0	0	0
		H	0	0	0
Kings	0%	S	0	0	0
		H	0	0	0
Lunenburg	0%	S	0	0	0
		H	0	0	0
Pictou	0%	S	0	0	0
		H	0	0	0
Queens	0%	S	0	0	0
		H	0	0	0
Richmond	0%	S	0	0	0
		H	0	0	0
Shelburne	0%	S	0	0	0
		H	0	0	0
Victoria	0%	S	0	0	0
		H	0	0	0
Yarmouth	0%	S	0	0	0
		H	0	0	0
Total	0%	S	0	0	0
		H	0	0	0
Grand Total			0	0	0



Sawmills by Acquisition Class – 2016

Note : Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

<u>NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>
<u>Acquiring over 200 000 per year</u>		
Harry Freeman & Son Ltd.	Greenfield	Queens
J.D. Irving – Truro Lumber	Valley	Colchester
Ledwidge Lumber Co. Ltd.	Enfield	Halifax
Scotsburn Lumber Ltd.	Scotsburn	Pictou
<u>Acquiring 50 001 to 200 000 per year</u>		
Elmsdale Lumber Co. Ltd.	Elmsdale	Halifax
F.W Taylor Lumber Ltd.	Middle Musquodoboit	Halifax
Groupe Savoie Westville Divison	Westville	Pictou
Hefler Forest Products	Middle Sackville	Halifax
<u>Acquiring 10 001 to 50 000 per year</u>		
Elmer Lohnes Lumbering	Wileville	Lunenburg
J.A. Turner & Sons (1987) Ltd.	West Northfield	Lunenburg
Lewis Mouldings & Wood Specialties	Weymouth	Digby
Turner and Turner Lumber Ltd.	Bridgewater	Lunenburg
Williams Brothers (2013) Ltd.	Barney's River	Pictou

Sawmills by Acquisition Class – 2016

Note : Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

<u>NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>
<u>Acquiring 3 001 to 10 000 per year</u>		
A.F.T. Sawmill Ltd.	Meteghan River	Digby
B.A. Fraser Lumber Ltd.	Margaree Valley	Inverness
Dave's Lumber Ltd.	Pictou	Pictou
Hurlburt Lumber Ltd.	South Ohio	Yarmouth
Maurice Bruhm Ltd.	Mahone Bay	Lunenburg
New Arbor Products Limited	Truro	Colchester
S. G. Levy & Sons Ltd.	Wolfville	Kings
<u>Acquiring 1 001 to 3 000 per year</u>		
3282669 Nova Scotia Ltd.	Middle Musquodoboit	Halifax
Baddeck Valley Wood Producers	Baddeck	Victoria
Conway Workshop Association	Digby	Digby
E & M Burgess Enterprises Ltd.	Newport Station	Hants
Hugh MacInnis Lumber Ltd.	Frenchvale	Cape Breton
L. E. Elloitt Lumber Ltd.	New Ross	Lunenburg
Lester D. Collicutt Lumber Ltd.	Chester	Lunenburg
North Range Forest Products	Barton	Digby
Randall Dearmond	Beaver Brook	Colchester
Thomas Scott Lumber Ltd.	Barrington	Shelburne
<u>Acquiring 1 to 1 000 per year</u>		
Aubrey Conrad	Branch LaHave	Lunenburg
Barrett Lumber Company Limited	Beaver Bank	Halifax
Barry George	Christmas Island	Cape Breton
Barss Corner Lumber	New Germany	Lunenburg
Bill Johns	Digby	Digby
Brad Lilly	Lawrencetown	Annapolis
Bras d'Or Mobile Milling Company Ltd.	Black Rock	Victoria
Cecil MacLennan	Benacadie West	Cape Breton
Charlie Jodrey	Westphal	Halifax
Cogmagun Sawmilling	Centre Burlington	Hants
Doug's Portable Custom Sawing	Debert	Colchester
Douglas and Charles Moore Lumber	Upper North Sydney	Cape Breton
Edward Atwood	Barrington	Shelburne
Edward Quinlan	Clark's Harbor	Shelburne
Far East Enterprises	Antigonish	Antigonish
Fisherman's Choice Trap Builders	River John	Pictou
Forsyth & Forsyth Lumbering	Coldbrook	Kings

Sawmills by Acquisition Class – 2016

Note : Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

<u>NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>
<u>Acquiring 1 to 1 000 per year</u>		
Frank and Jack Penny	Springfield	Annapolis
Fred Zwicker	Cambridge	Kings
Free Spirit Farm	Tatamagouche	Colchester
Garnett Davison	Newport	Hants
Gary LeBlanc Logging & Lumber	Church Point	Digby
Gerry Falconer	Scotsburn	Pictou
Glenn Spencer	Aylesford	Kings
Gordon Bezanson	New Chester	Guysborough
Greenwood Meadows Ltd.	Baddeck	Victoria
Hillside Lumber	South Side Boularderie	Cape Breton
James Johnson	East Mountain	Colchester
Jeffrey Robar	Chelsea	Lunenburg
Jody Davis	Shelburne	Shelburne
John and Everett Rand	Canning	Kings
John MacLean	Little Narrows	Victoria
Joseph Breen	Afton	Antigonish
Karl Dueck	Upper Kennetcook	Hants
Larch Wood Enterprises	Margaree	Inverness
Lawrence Rudolph	Little Liscomb	Guysborough
MacLean's Sawmill	Antigonish	Antigonish
Mark Ripley	Oxford Junction	Cumberland
Meander Wood Services	Newport	Hants
Merrill Sarty	Conquerall Mills	Lunenburg
Michael and Henry Silver	North Brookfield	Queens
Michael Harlow	Dartmouth	Queens
Michael Joudrey	River John	Pictou
Middle River Contracting Ltd.	Westville	Pictou
Nolan Mullen	Weymouth	Digby
Payson Dobson Lumber Ltd.	Westchester	Cumberland
Peter Lawrence	Brooklyn	Queens

Sawmills by Acquisition Class – 2016

Note : Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

<u>NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>
<u>Acquiring 1 to 1 000 per year</u>		
Pick Family Hobby Mill	Newport	Hants
R.D. Risser Milling	Middle Musquodoboit	Halifax
Raymond Campbell	Wentworth	Colchester
Richard Neily	Falmouth	Hants
River Ryan Lumber	New Waterford	Cape Breton
Robert Gaudet Firewood & Lumber	Corberrie	Digby
Robert Lees	Westville	Pictou
Robert Todd	Laconia	Lunenburg
Ron Levy	Windsor	Hants
Shawn Eldridge	Falmouth	Hants
Shelburne Barrel Factory	Shelburne	Shelburne
Sherbrooke Village Sawmill	Sherbrooke	Guysborough
Spectrum Automotive Ltd.	Kentville	Kings
Sweet Mountain Farm	Antigonish	Antigonish
Theodore Bruhm	West Northfield	Lunenburg
Timothy Barteaux	Annapolis Royal	Annapolis
W.R. Chisholm & Sons Trucking Ltd.	Scotsburn	Pictou
Wayne Comeau	Saulnierville	Digby
Webster Farms Ltd.	Cambridge Station	Kings
Wolfgang Development Ltd	Glen Haven	Halifax

Sawmills by Acquisition Class – 2016

Note : Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

<u>NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>
<u>Acquiring None</u>		
A.G. Spears Sawmill	Shelburne	Shelburne
Benjamin T. Otter	West Branch	Pictou
Brown's Portable Sawmill	Caribou River	Colchester
C. James Nickerson	Clyde River	Shelburne
C.E. Harrison & Sons	Parrsboro	Cumberland
Central Cape Breton Forestry Serv.	Benacadie	Cape Breton
Chuck Grady	Mulgrave	Guysborough
D & E Sawmill	Yarmouth	Yarmouth
D. Robinson	Aylesford	Kings
Daniel J. LeBlanc	Concession	Digby
Hazeldale Milling & Trucking Ltd.	Little Narrows	Victoria
KAPP Lumber Mill & Production	Little Liscomb	Guysborough
Laurent Thibodeau & Son	Saulnierville	Digby
M. R. MacDonald Holdings 11 Limited	New Glasgow	Pictou
MacDonald's Sawmill	Sherbrooke	Guysborough
Neil MacKeigan Lumber Company Ltd.	Albert Bridge	Cape Breton
Northfire Farms	Milton	Shelburne
Parkwood Land Management Ltd.	Hopewell	Pictou
Paul Roach	Middleton	Annapolis
Vernon Roach	Wentworth	Cumberland
Wayne B. Millett Lumber and Boxes	Chester Basin	Lunenburg

Wood Export Businesses – 2016

Note: Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

NAME

LOCATION

COUNTY

Acquiring over 3000 per year

Athol Forestry Cooperative	Amherst	Cumberland
Great Northern Timber International	Halifax	Halifax
North Nova Forest Owners Co-op Limited	Wentworth	Cumberland
River Philip Contracting	Oxford	Cumberland

Acquiring 1 to 3000 per year

Arbec Forest Products G.P.	Miramichi	New Brunswick
H.C. Haynes	Clifton	Colchester
New Wave Forestry	Thorburn	Pictou

Acquiring none

3268239 Nova Scotia Ltd.	Digby	Digby
AV Nackawic Inc.	Nackawick	New Brunswick
Bob O'Leary	Truro	Colchester
Century Forestry Consultants Ltd.	Pictou	Pictou
John Baird	Oxford	Cumberland
Kevin Langille Logging & Contracting	Scotsburn	Pictou
Little River Farms	Oxford	Cumberland
Melvin Langille	Tatamagouche	Colchester
Milltown Forestry Services Ltd.	Old Barns	Colchester
Red Point Export Ltd.	Jamesville	Victoria
Verso Corporation	Jay, Maine	Maine, USA
Wagner Forest N.S. Ltd.	Truro	Colchester

Firewood Sales Businesses – 2016

Note: Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

<u>NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>
<u>Acquiring over 1 000 per year</u>		
Barrett Enterprises	Lower Sackville	Halifax
Conform Ltd.	Middle Musquodoboit	Halifax
Dave Grandy Trucking Ltd.	Tatamagouche	Colchester
E.B. Corkum Farm & Forest Ltd.	Port Williams	Kings
Good Wood Fuel	Bedford	Halifax
<u>Acquiring 1 to 1 000 per year</u>		
Brazil Lake Enterprises	Brazil Lake	Yarmouth
Future Forestry Service Co-Op	New Glasgow	Pictou
J.W. Tanner Logging Ltd.	Bass River	Colchester
La Foret Acadienne Limitee	Church Point	Digby
Wilfred H. Kinsman Forest Products	Cambridge	Kings
<u>Acquiring None</u>		
Chittick Chips	Truro	Colchester

Fuel Chips Sales Businesses – 2016

Note: Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

<u>NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>
<u>Acquiring over 1 per year</u>		
Spec Environmental Solutions Inc.	Concession	Digby

Log Homes Businesses – 2016

Note: Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

NAME

LOCATION

COUNTY

Acquiring over 1 per year

Heartwood Log Homes Ltd.

Margaretsville

Annapolis

Acquiring none

Chedabucto Log Home Construction Ltd.
Kenomee Log Homes

Boylston
Economy

Guysborough
Colchester

Poles/Post Plant Businesses – 2016

Note: Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

NAME

LOCATION

County

Acquiring over 1 per year

Corkum's Forest Products
Russell Bros. Logging

Falmouth
Upper Stewiacke

Hants
Colchester

Acquiring none

Stella Jones Inc.

Truro

Colchester

Pulp/Paper/Hardboard Mill Businesses – 2016

Note: Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

NAME

LOCATION

COUNTY

Acquiring over 50 000 per year

Louisiana-Pacific Canada	Hubbards	Lunenburg
Northern Pulp Nova Scotia Corporation	New Glasgow	Pictou
Port Hawkesbury Paper LP	Port Hawkesbury	Richmond

Energy Generating Businesses – 2016

Note: Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

NAME

LOCATION

COUNTY

Acquiring over 5,000 per year

Nova Scotia Power Inc.	Port Hawkesbury	Richmond
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Acquiring 1,000 to 5,000 per year

Brooklyn Power Corporation	Brooklyn	Queens
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Acquiring 1 to 500 per year

Cellufuel Inc.	Brooklyn	Queens
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Pellet Plant Businesses – 2016

Note: Acquisition Classes are in m3 solid based on wood of Nova Scotia Origin

<u>NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>
<u>Acquiring over 5,000 per year</u>		
Scotia Atlantic Biomass Company Ltd.	Middle Musquodoboit	Halifax
<u>Acquiring None</u>		
Shaw Resources	Shubenacadie	Hants

Nova Scotia Sawmills by Production Class – 2016

*Production Class (fbm)	Number of Sawmills	Production (fbm)	Percent of Total Production	Average Production per Mill (fbm)
1 – 20,000	43	324,972	0.09 %	7,557
20,001- 100,000	14	683,043	0.20 %	48,789
100,001 - 500,000	13	2,563,668	0.74 %	197,205
500,001 -1,000,000	5	3,662,661	1.06 %	732,532
1,000,001 – 3,000,000	4	7,222,131	2.09 %	1,805,533
3,000,001 – 10,000,000	3	14,006,718	4.06 %	4,668,906
over 10,000,000	8	316,352,454	91.76 %	39,544,057
Total	90	344,815,647	100%	

*28 Nova Scotia Sawmills had no lumber production in 2016.

Secondary Forest Products – 2016

Product	Softwood m³	Hardwood m³	Total m³
Firewood / Slabwood	6,756	47,054	53,810
Fuel Chips / Energy Chips Pellets	89,839	7,932	97,771
Baskets / Components Cutting Boards / Flooring Fruit Boxes / Mouldings	8,740	1,512	10252
Hog Fuel	259,501	530	260,031
Sawn Products	1,063,323	42,583	1,105,906
Pulp / Paper / Hardboard	584,984	49,197	634,181
Poles / Posts / Pilings House Logs / Railway ties	2,481	3,223	5,704
Shavings	65,676	110	65,786
Sawdust	97,702	3,771	101,473
Bark / Bark Mulch	50,410	4,661	55,071
Pulp Quality Chips	723,116	64,807	787,923

REGISTERED BUYERS BY BUSINESS TYPE AND COUNTY – 2016

County	Saw mill	Pulp Mill	Wood Export	Hardboard Mill	Firewood	Posts & Poles	Energy Gen.	Fuel Chips/ Chip Plant	Log Homes	Pellet Plant	Total
Annapolis	4	-	-	-	-	-	-	-	1	-	5
Antigonish	4	-	-	-	-	-	-	-	-	-	4
Cape Breton	8	-	-	-	-	-	-	-	-	-	8
Colchester	8	-	5	-	3	2	-	-	1	-	19
Cumberland	4	-	5	-	-	-	-	-	-	-	9
Digby	11	-	1	-	1	-	1	1	-	-	15
Guysborough	6	-	-	-	-	-	-	-	1	-	7
Hants	10	-	-	-	-	1	-	-	-	1	12
Halifax	8	-	1	-	3	-	-	-	-	1	13
Inverness	2	-	-	-	-	-	-	-	-	-	2
Kings	8	-	-	-	2	-	-	-	-	-	10
Lunenburg	13	-	-	1	-	-	-	-	-	-	14
Pictou	13	1	3	-	1	-	-	-	-	-	18
Queens	4	-	-	-	-	-	1	-	-	-	5
Richmond	-	1	-	-	-	-	1	-	-	-	2
Shelburne	8	-	-	-	-	-	-	-	-	-	8
Victoria	5	-	1	-	-	-	-	-	-	-	6
Yarmouth	2	-	-	-	1	-	-	-	-	-	3
Out of Prov.	-	-	3	-	-	-	-	-	-	-	3
Total	118	2	19	1	11	3	3	1	3	2	163

Fig.1

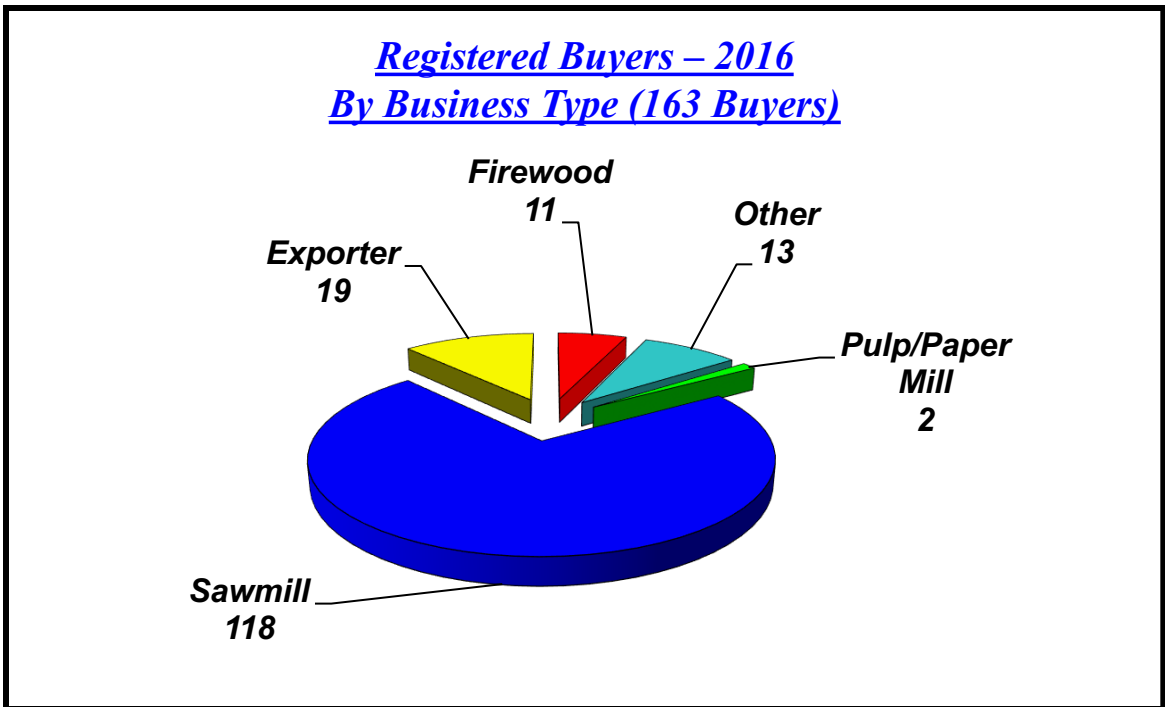


Fig.2

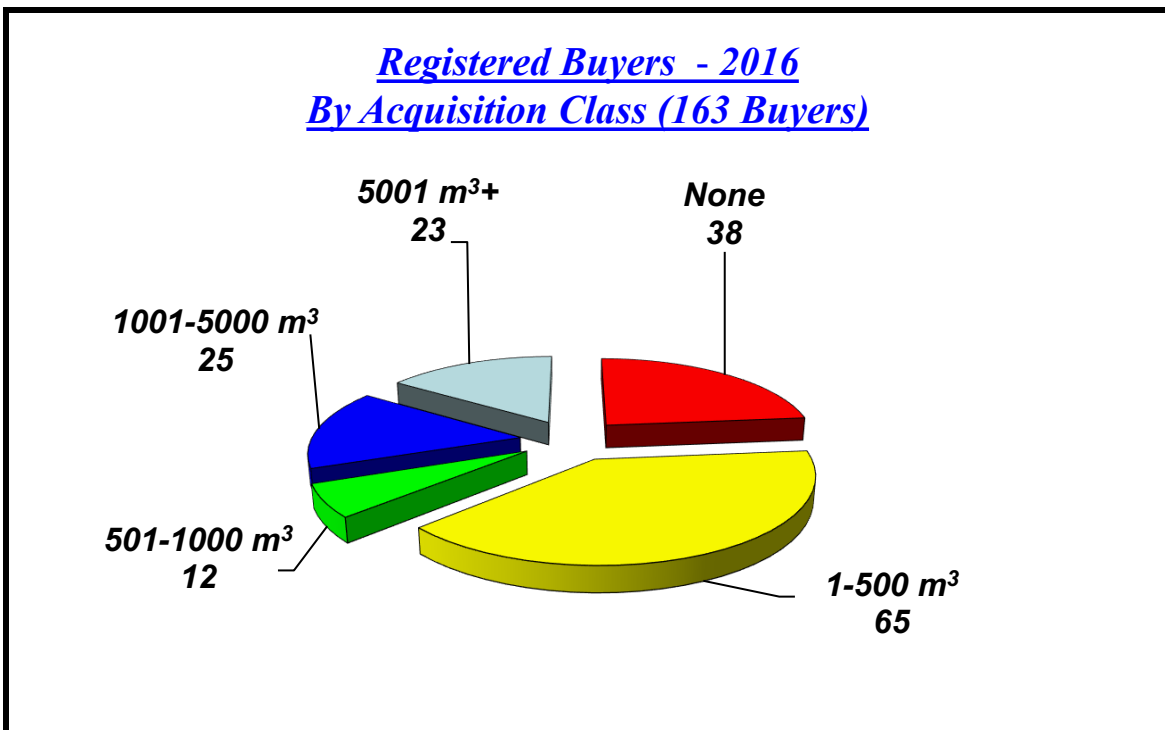


Fig.3

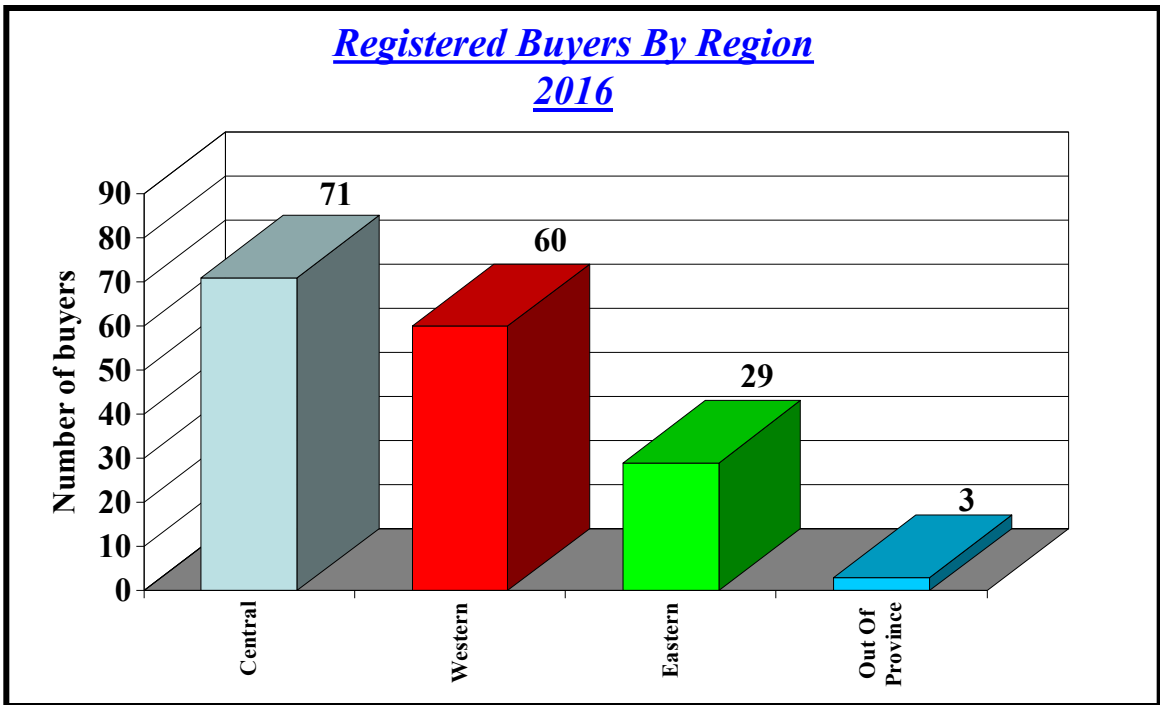


Fig.4

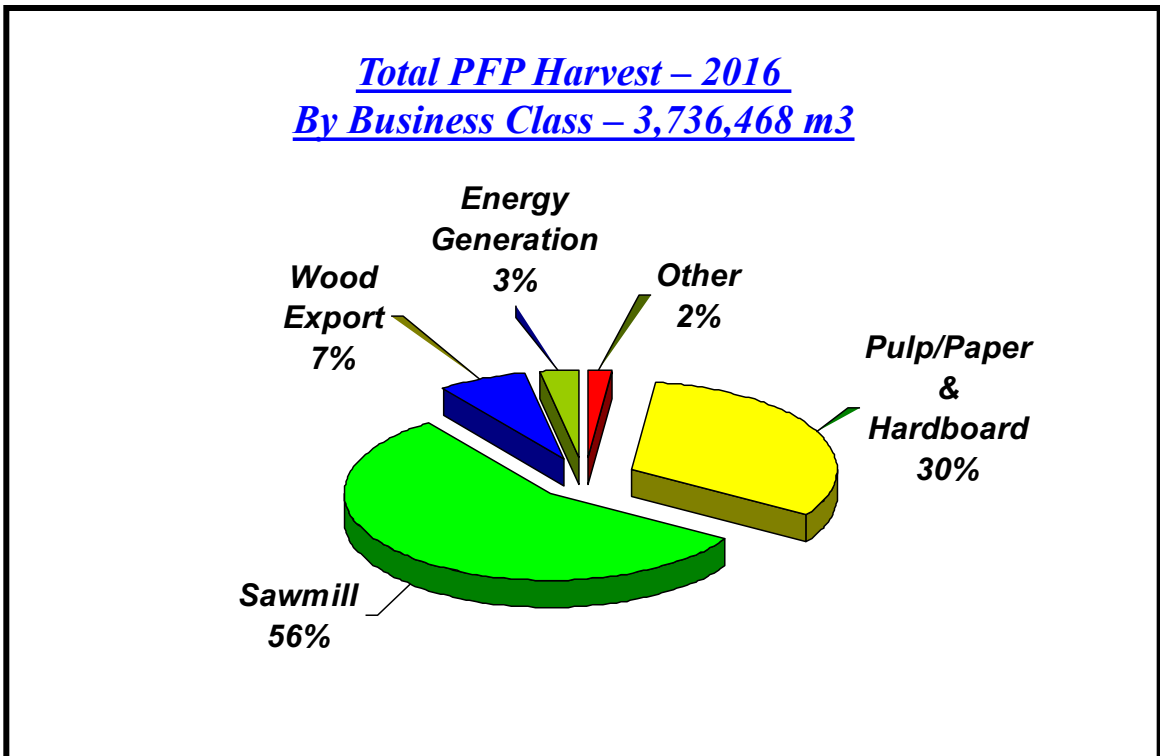


Fig.5

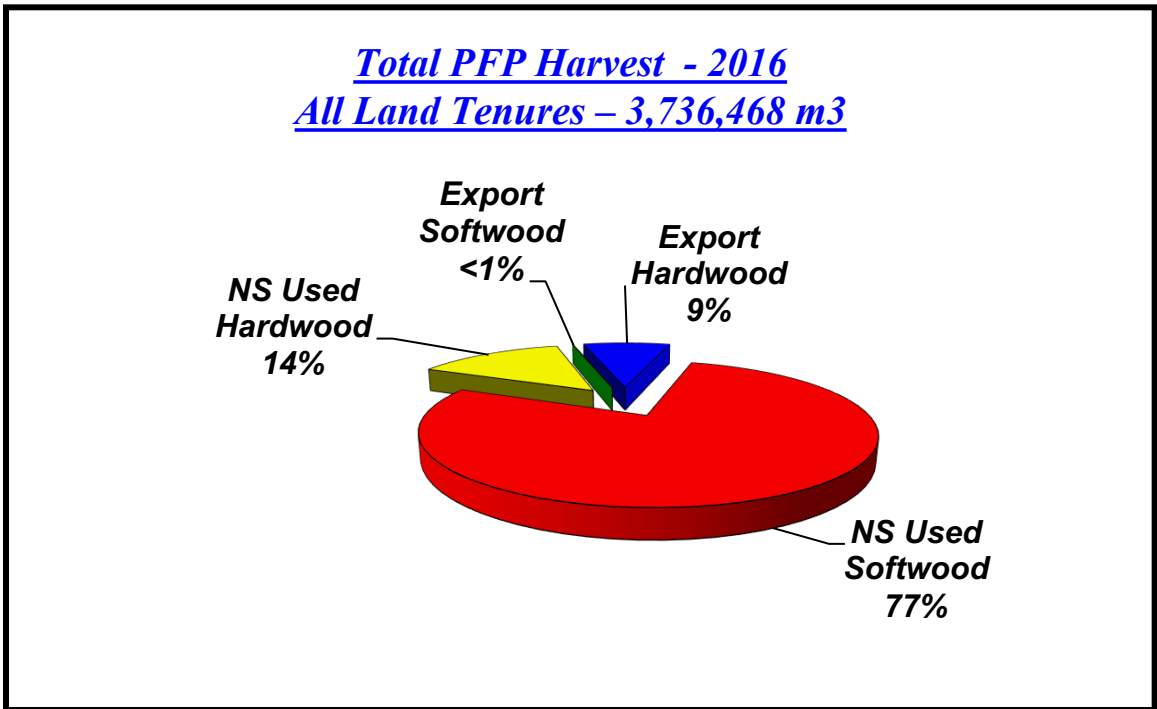


Fig.6

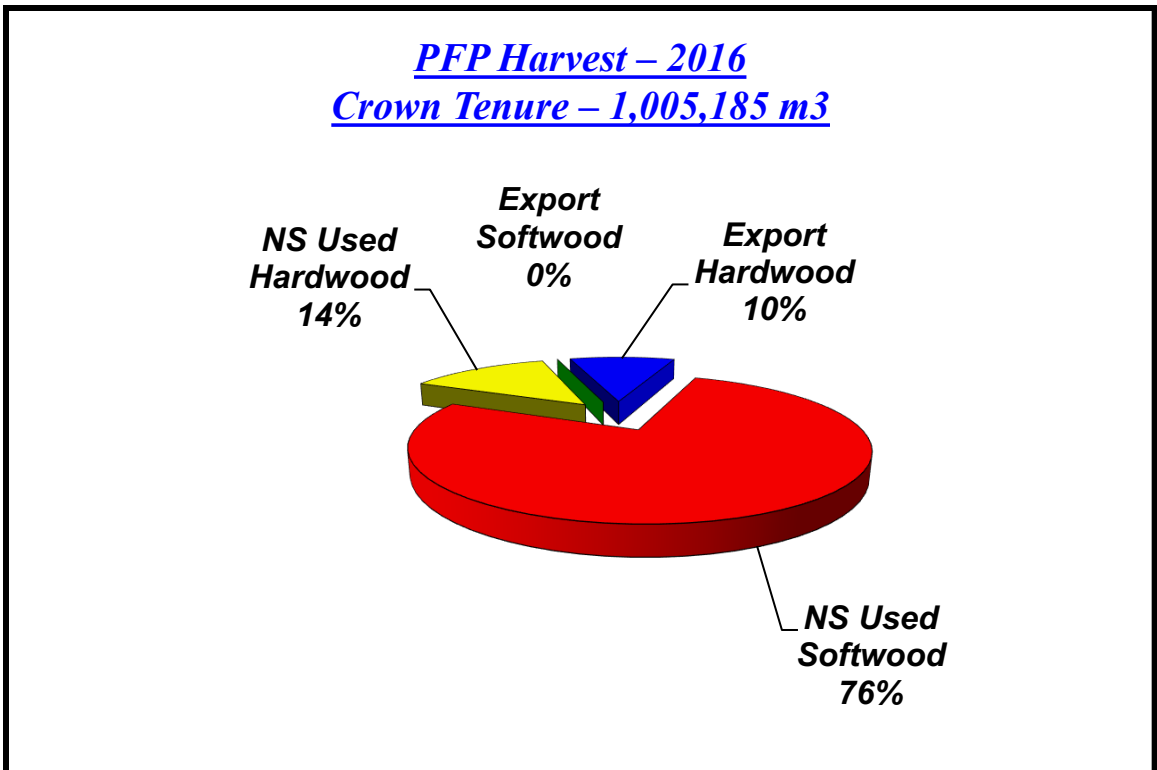


Fig.7

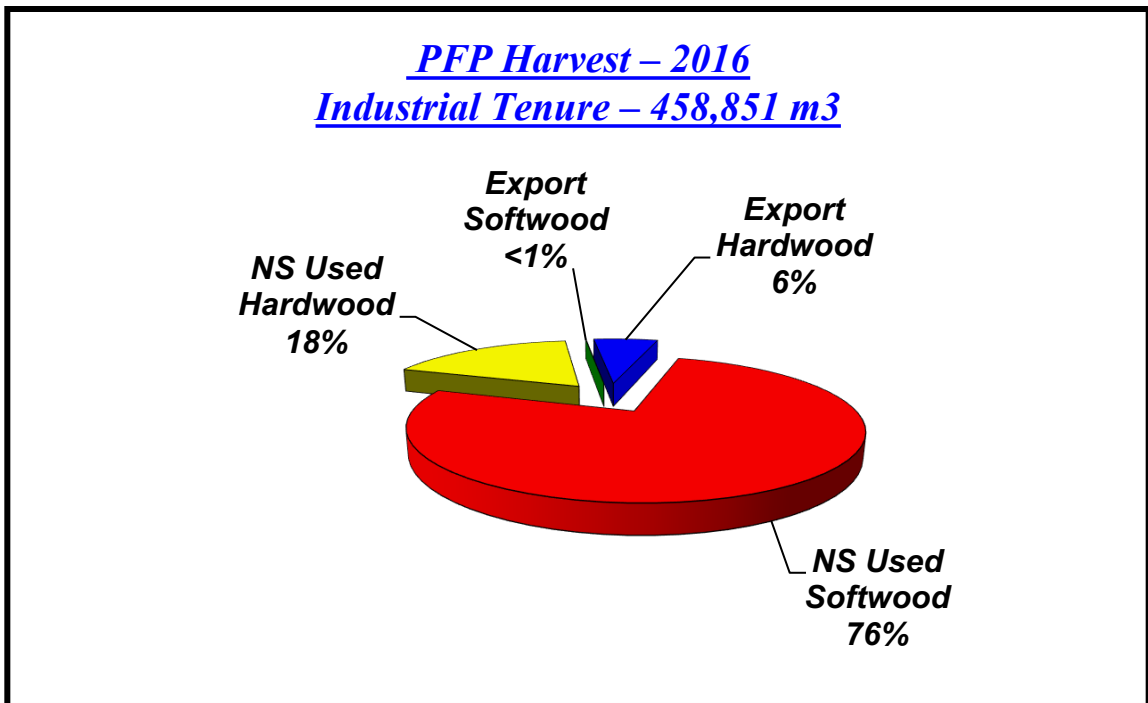


Fig.8

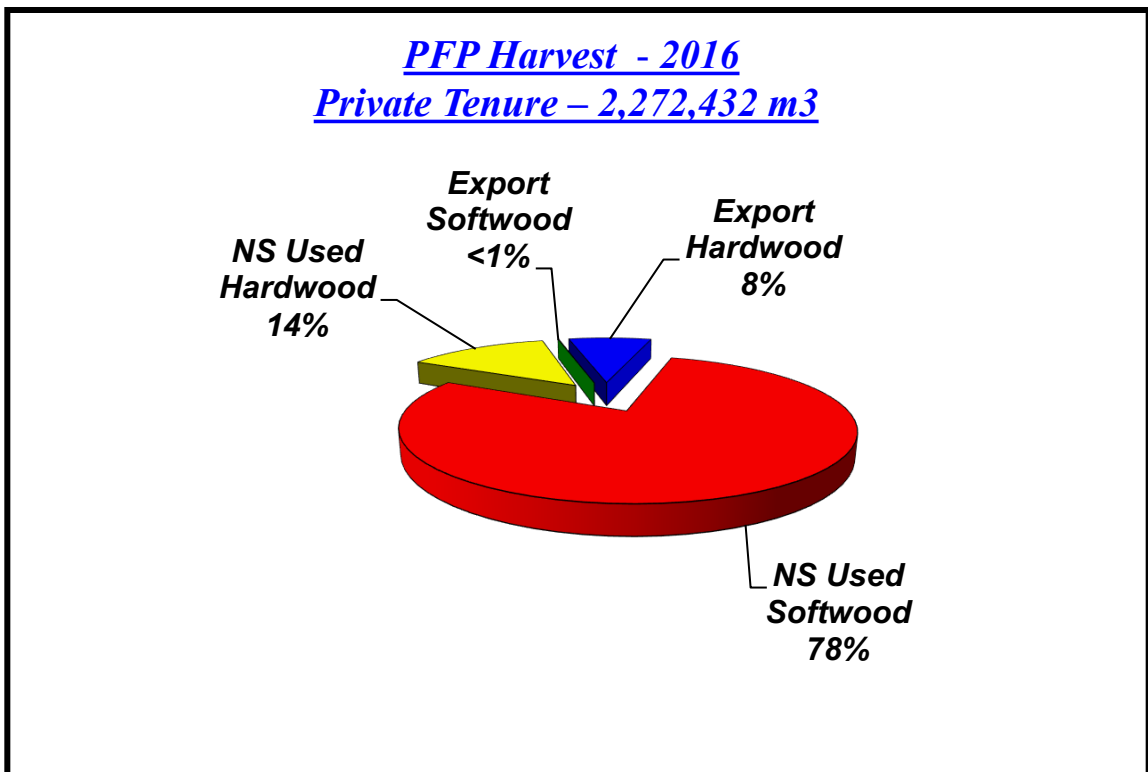


Fig.9

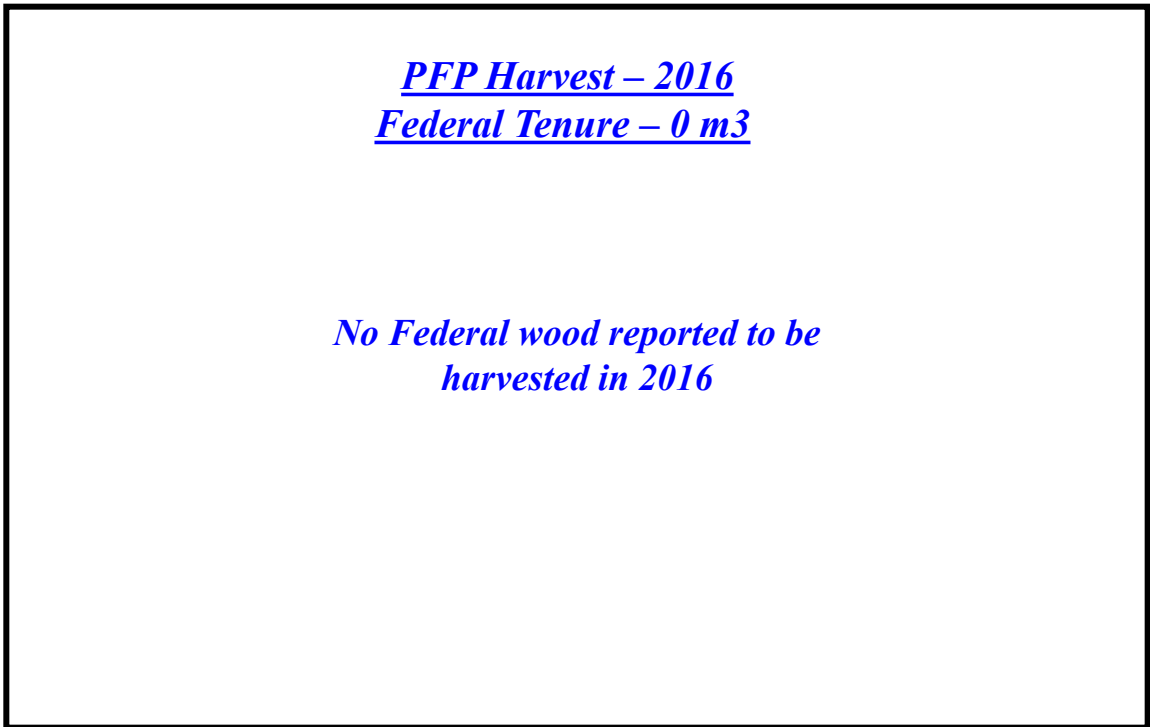


Fig.10

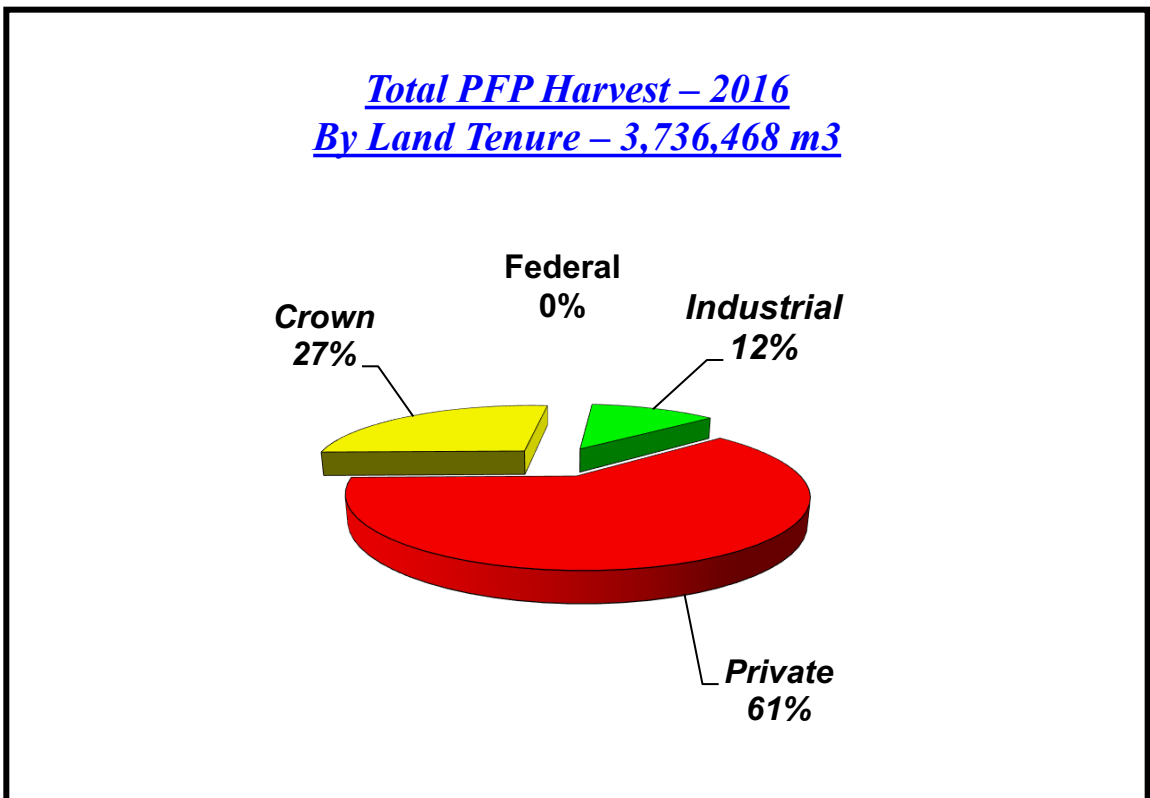


Fig.11

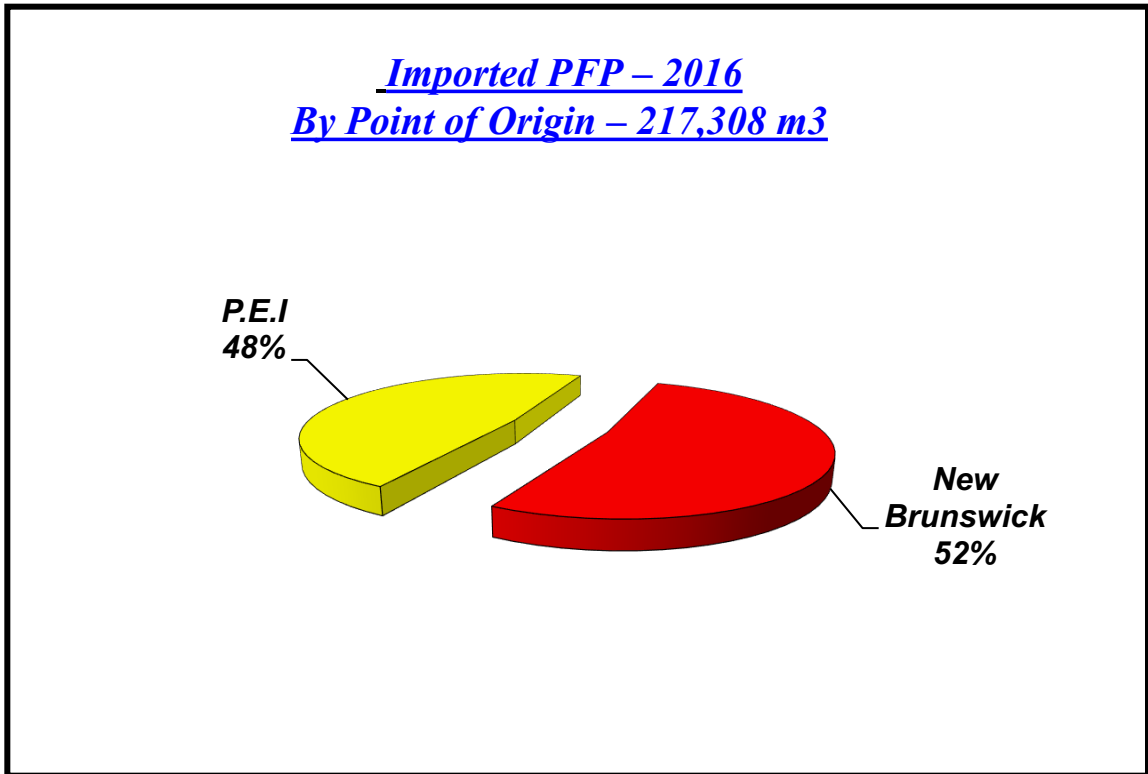


Fig.12

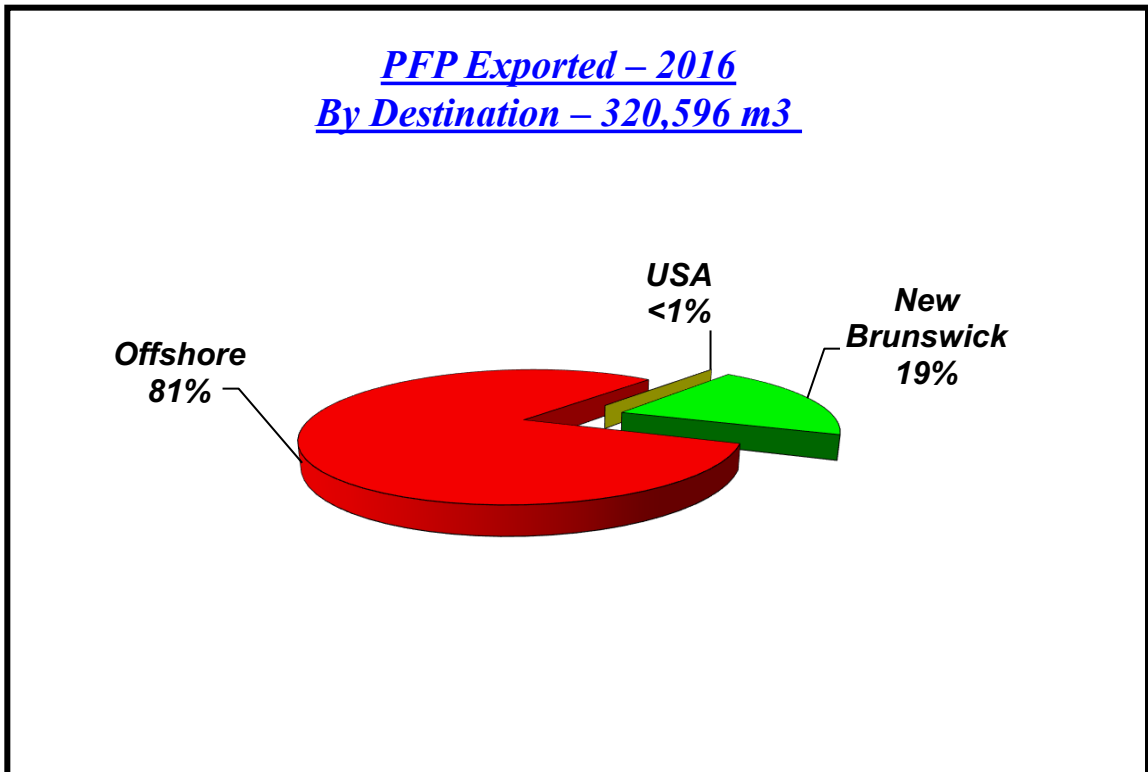


Fig.13

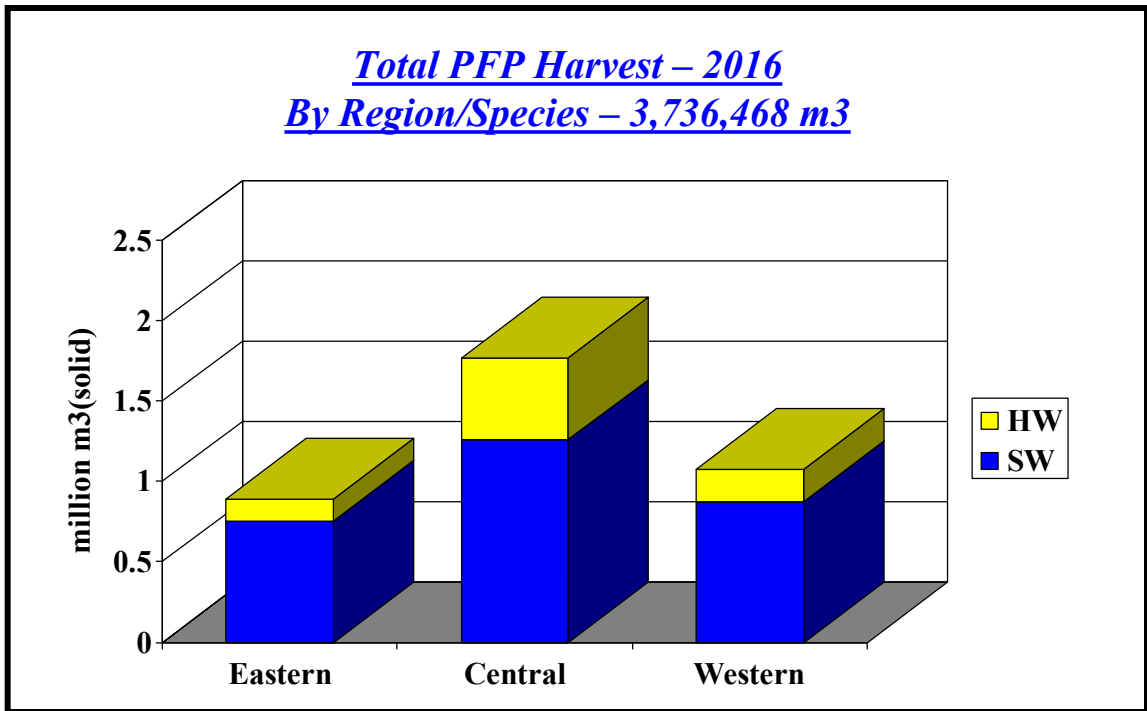


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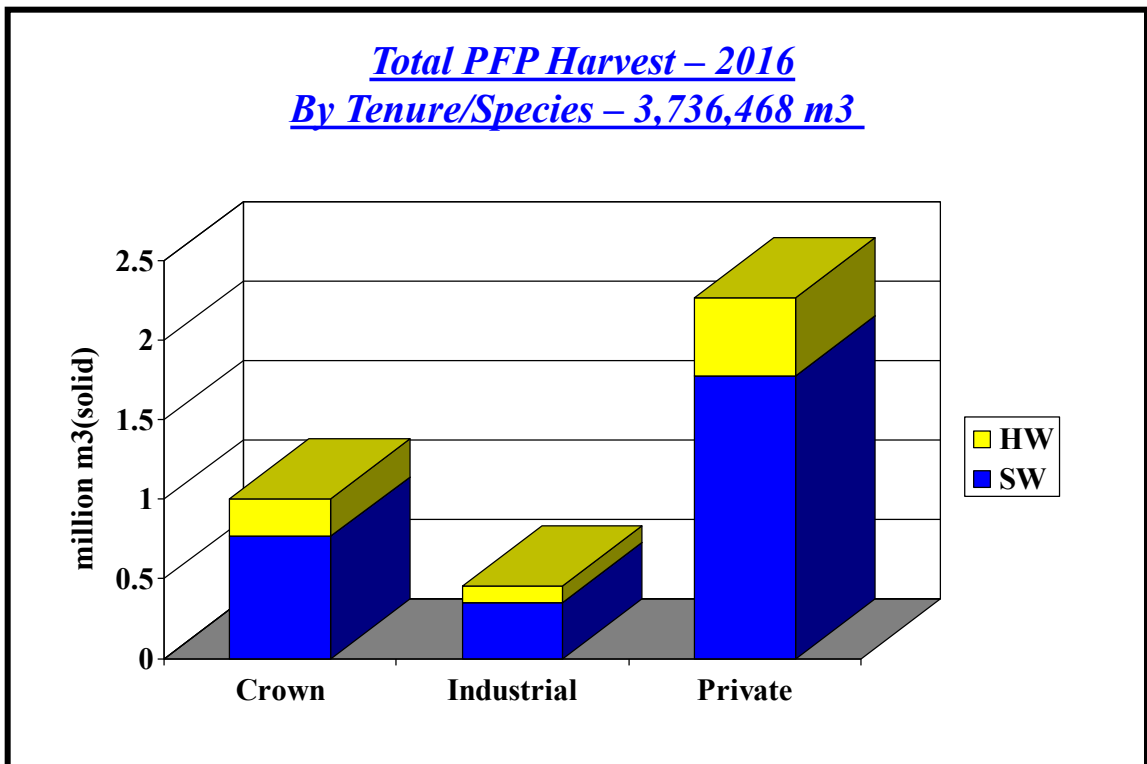


Fig. 15

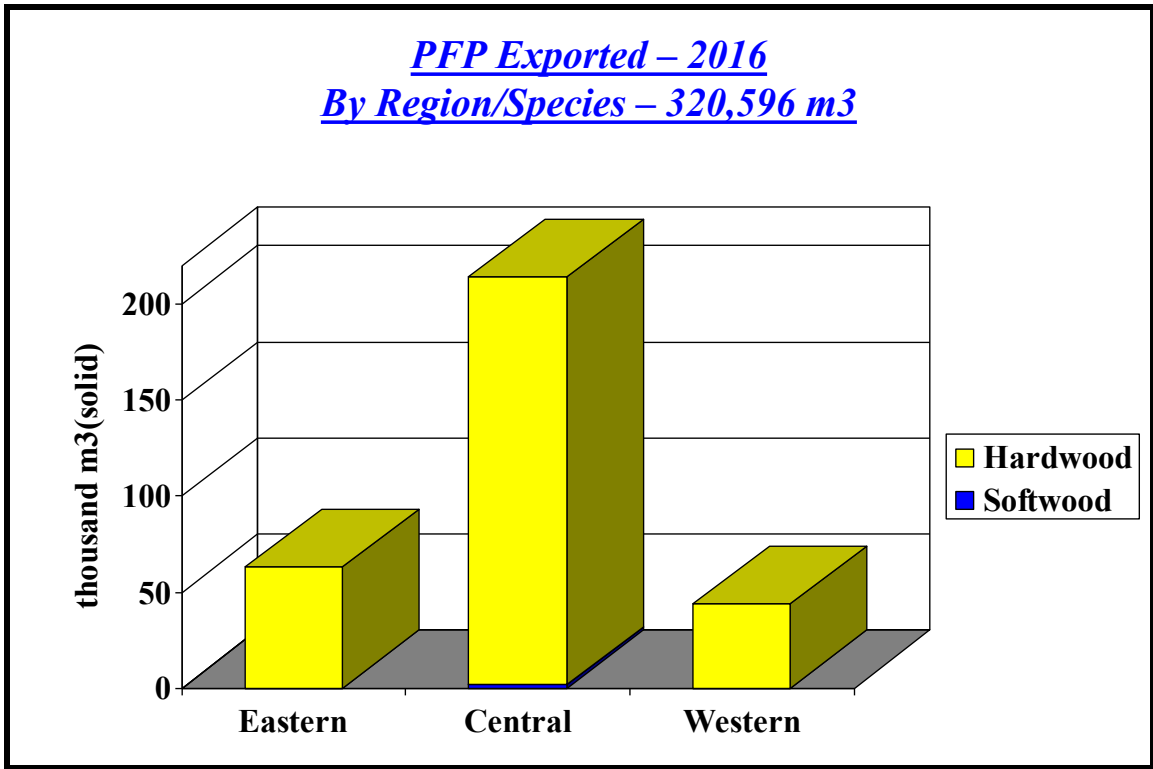


Fig.16

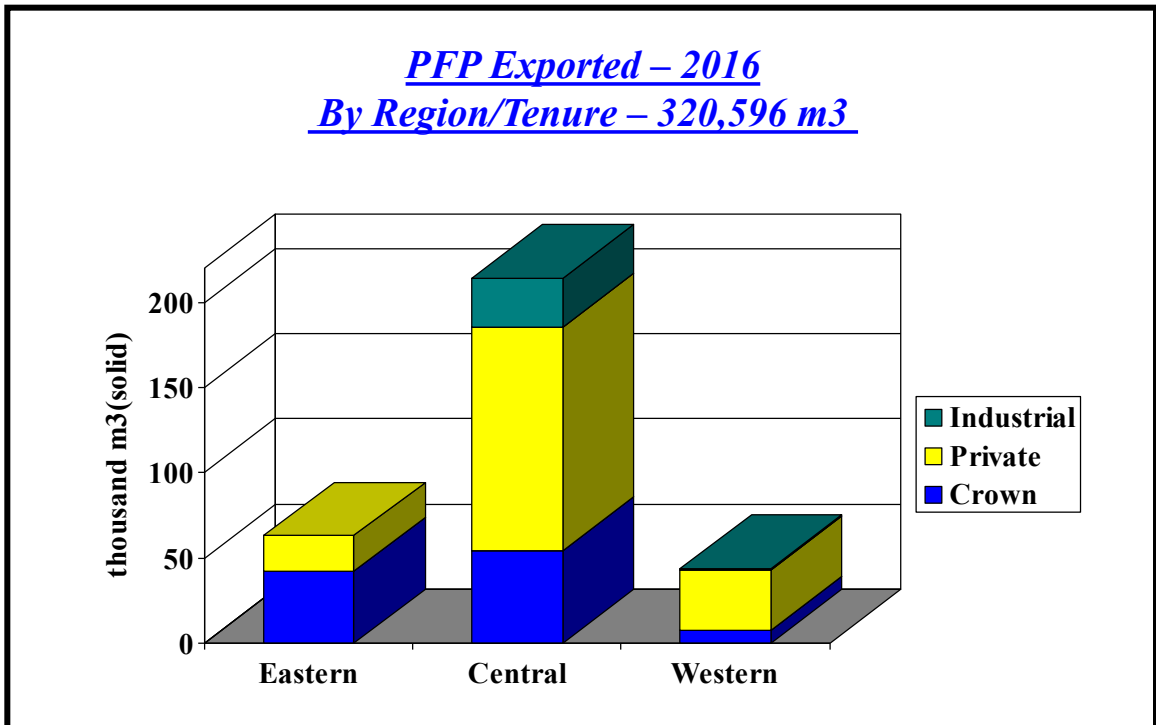


Fig.17

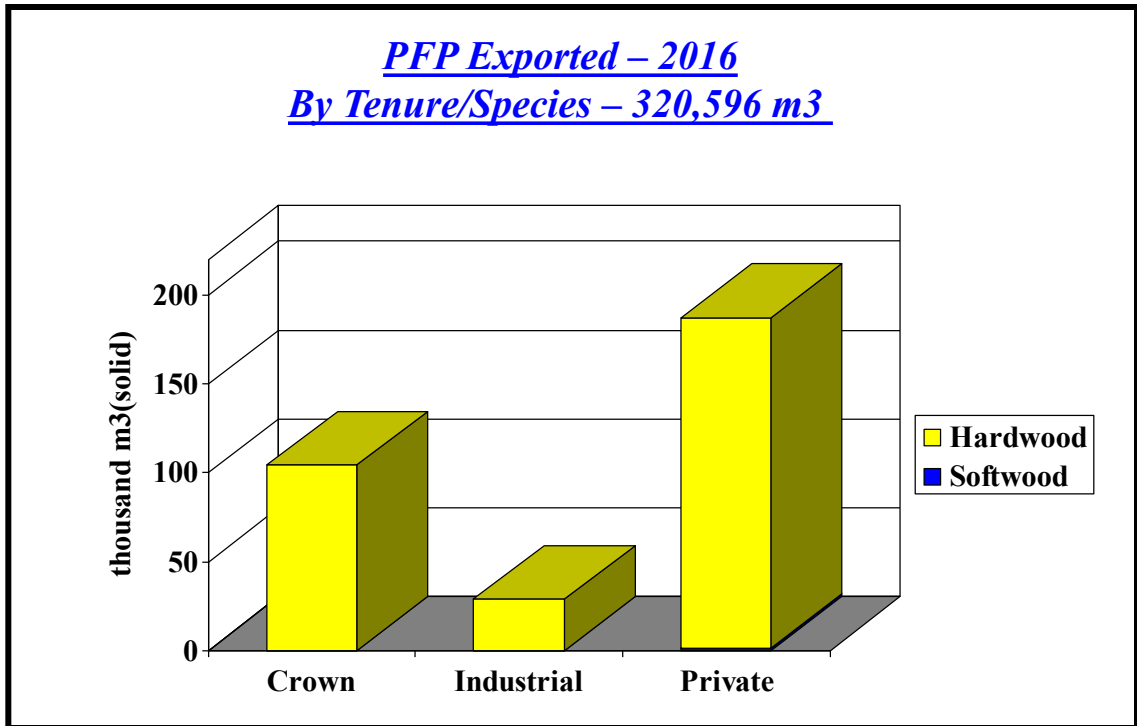


Fig.18

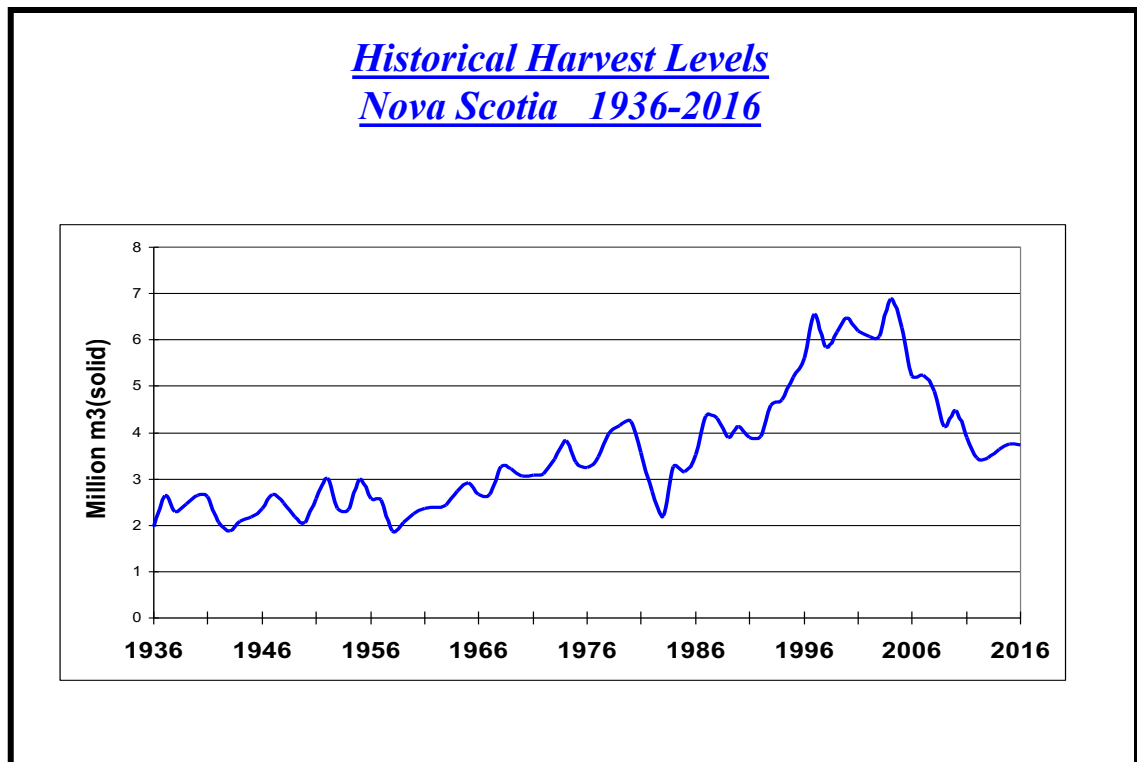


Fig.19

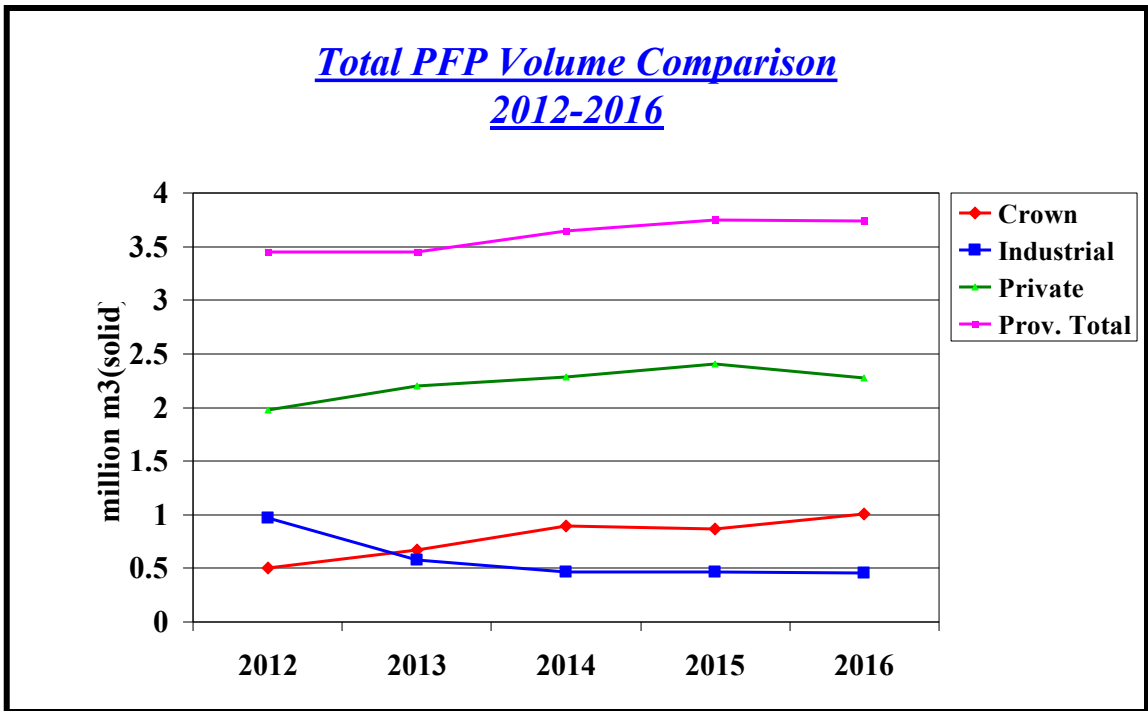


Fig.20

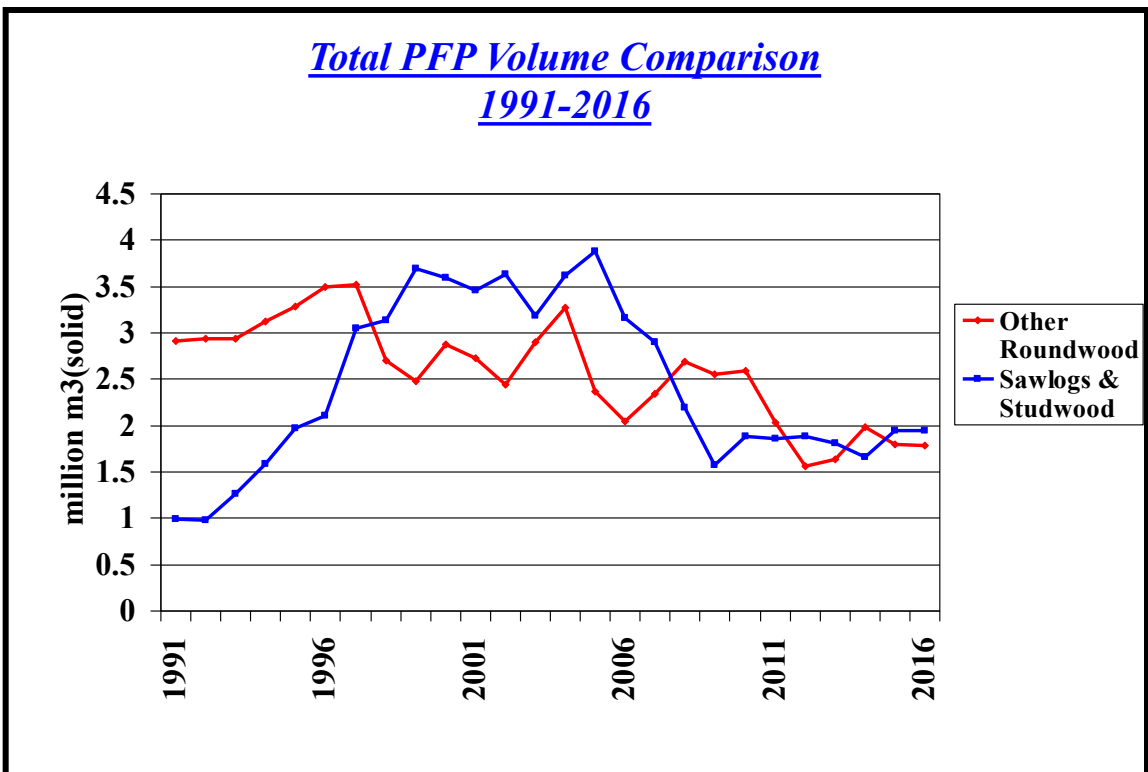


Fig.21

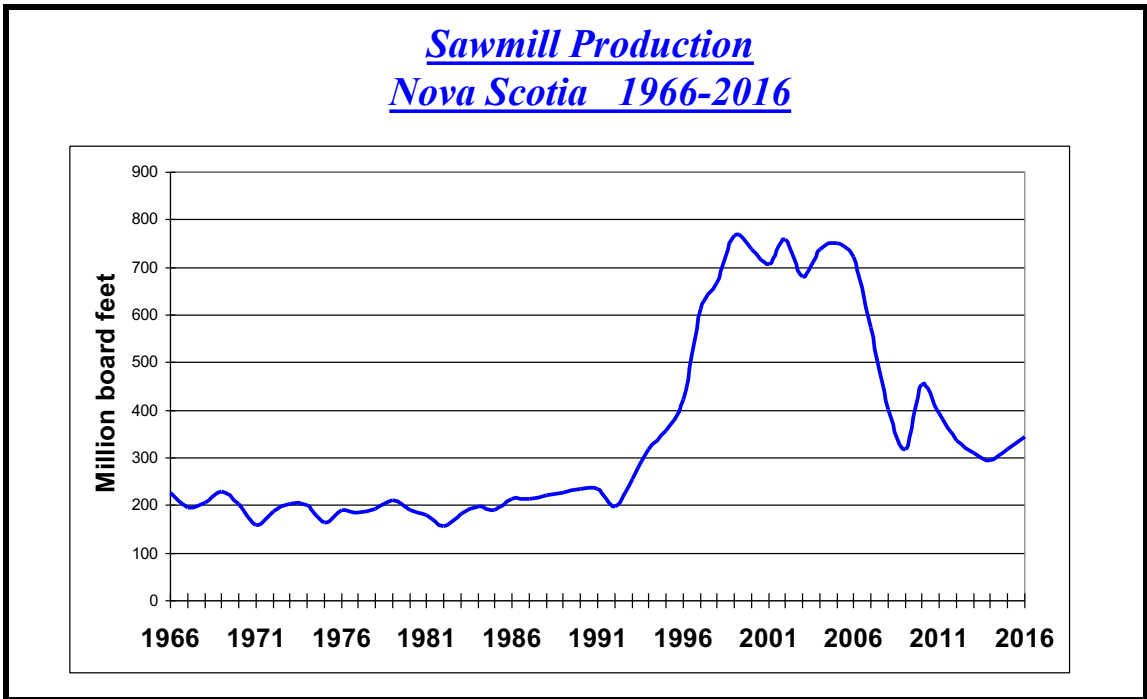
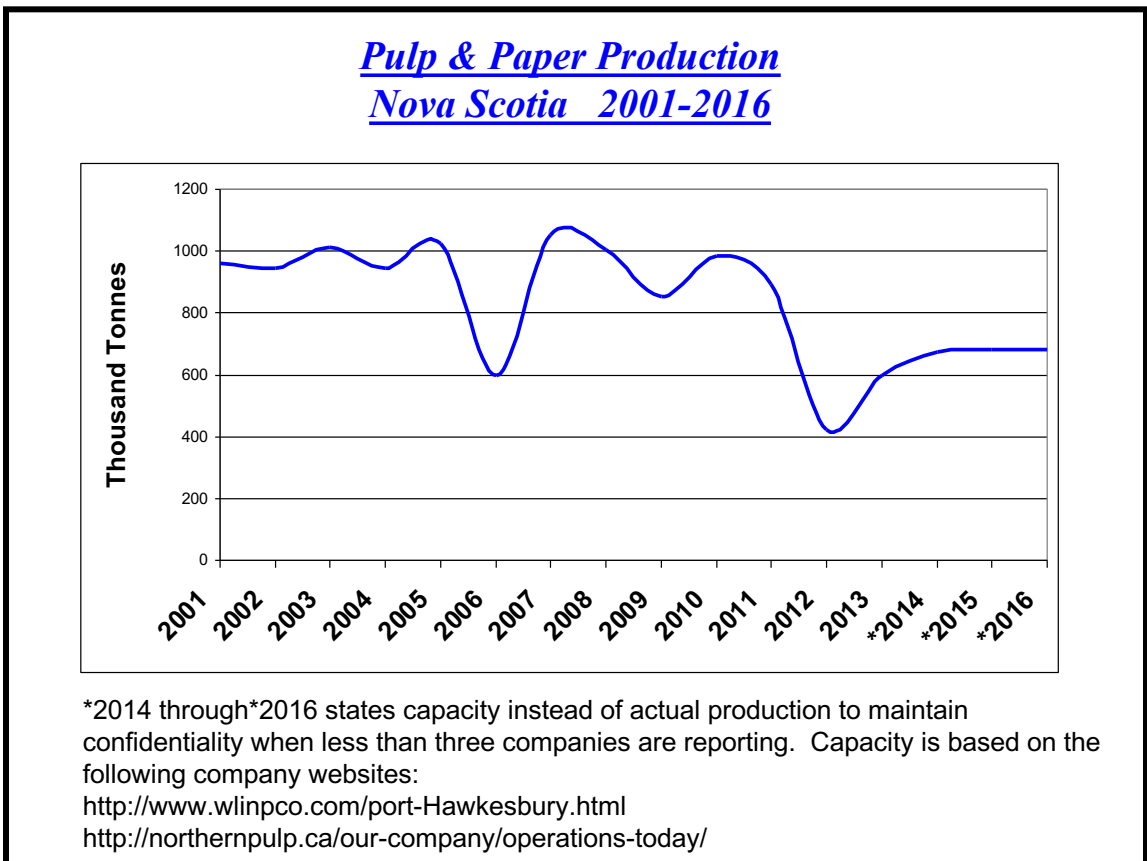


Fig.22



Part 2

WOOD ACQUISITION PLAN PROGRAM SUMMARY 2016

The Wood Acquisition Plan (WAP) Program required by the Forest Sustainability Regulations, completed its 17th year of operation in 2016. All Registered Buyers who, in 2016, acquired greater than 5,000 cubic metres of wood from privately owned forest land in Nova Scotia, were required to submit a WAP by February 28th, 2017 for the volume of wood they acquired.

The volumes for 2016 that required a WAP totaled 2,531,161 cubic metres, accounting for **68%** of the total harvest. Table 1 of the report details the acquired volumes by softwood and hardwood as well as private and industrial owners.

From the volumes reported in Table 1, a total of 6,283,252 silviculture credits were required to be submitted for the 2,531,161 cubic metres of wood Registered Buyers acquired. Table 1 also shows that the Registered Buyers submitted a total net of 6,684,646 silviculture credits.

The 20 Registered Buyers with approved WAP's in 2016 are listed in Table 2. The silviculture plans they completed resulted in 12,476 hectares of silviculture treatments being submitted. There was one small contribution to the Sustainable Forest Fund which amounted to \$11.40

Table 3 of the summary shows 12,476 hectares of silviculture being submitted, equating to 6,684,646 credits. With regards to silviculture credits claimed, Category 4, Density Control and Release in Plantations made up 28% of the total credits claimed. Next was Category 2, Plantation Establishment, at 27%. Followed by Category 5, Density Control and Release in Natural Stands at 22% and Category 3, Early Competition Control at 9%. These four silviculture treatments made up 86% of all silviculture credits claimed in 2016.

Table 4 summarizes the silviculture credits submitted by specie type and Table 5 summarizes the completed silviculture credits by category and tenure class.

A summary of completed silviculture area claimed in year 2016 by silviculture category, ownership and specie type (see Table 6) indicates that submitted softwood and hardwood treatment area was 89% and 11% respectively.

Note: Primary Forest Product Conversion Factors can be found in Schedule 2 of the Registration and Statistical Returns Regulations, <http://www.novascotia.ca/just/regulations/regs/FOreturn.htm>

Table 1. SUMMARY OF WOOD ACQUISITION PLAN REQUIREMENTS AND SILVICULTURE BY TENURE – 2016

Tenure	Species	Wood Acquisition (m3)	Required Silviculture Credit Value 2016	Completed Silviculture Credit Value 2016 (+ Admin)
Industrial	Softwood	330,221	990,663	2,352,060
Industrial	Hardwood	110,436	66,262	180,558
Sub Total		440,657	1,056,925	2,532,618
Private	Softwood	1,655,015	4,965,045	4,585,387
Private	Hardwood	435,489	261,282	309,305
Sub Total		2,090,504	5,226,327	4,894,692
TOTAL		2,531,161	6,283,252	7,427,310
Total Administrative Credits Applied				742,664
Net Completed Silviculture Credit Value				6,684,646

Fig. 1

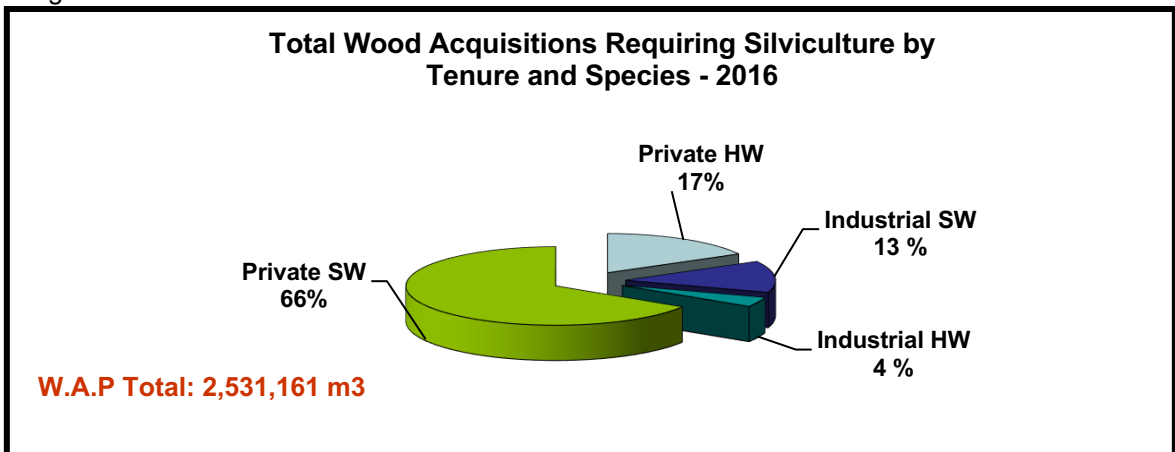


Fig. 2

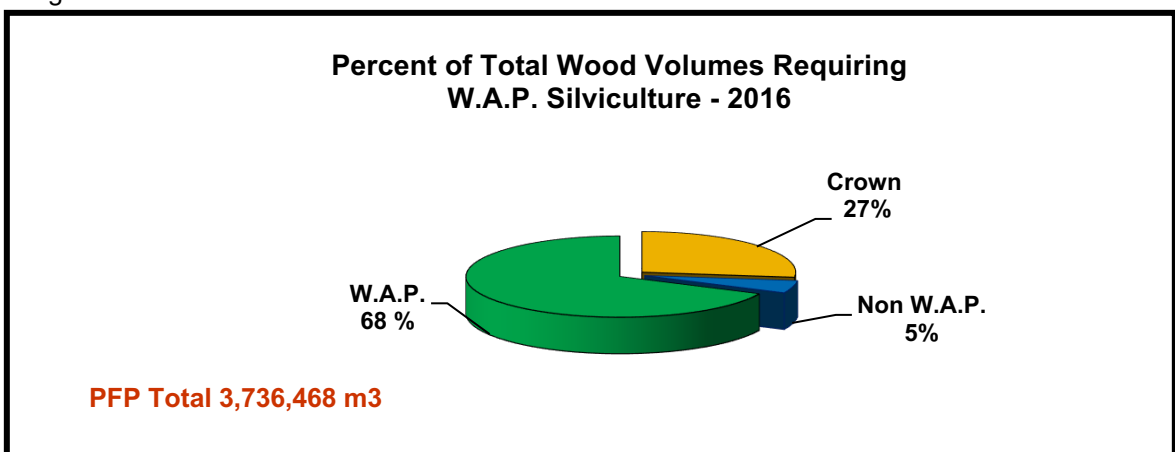


Table 2. LIST OF REGISTERED BUYERS FOR 2016 WITH APPROVED WOOD ACQUISITION PLANS

Registered Buyer	County	Business Type
Athol Forestry Cooperative	Cumberland	Wood Export
Barrett Enterprises	Halifax	Firewood
Elmer Lohnes Lumbering Ltd.	Lunenburg	Sawmill
Elmsdale Lumber Co. Ltd.	Halifax	Sawmill
F.W. Taylor Lumber Ltd.	Halifax	Sawmill
Great Northern Timber International	Halifax	Sawmill
Groupe Savoie Westville Division	Pictou	Sawmill
Harry Freeman & Son Ltd.	Queens	Sawmill
Hurlburt Lumber Ltd.	Yarmouth	Sawmill
J. A. Turner & Sons (2012) Ltd.	Lunenburg	Sawmill
J.D. Irving Limited, Truro	Colchester	Sawmill
Ledwidge Lumber Co. Ltd.	Halifax	Sawmill
Lewis Mouldings & Wood Specialists	Digby	Sawmill
Louisiana-Pacific Canada Limited	Lunenburg	Hardboard Mill
Northern Pulp Nova Scotia Corporation	Pictou	Pulp/Paper Mill
Nova Scotia Power Inc.	Richmond	Energy Generation
Port Hawkesbury Paper LP	Richmond	Pulp/Paper Mill
Scotsburn Lumber Ltd.	Pictou	Sawmill
Turner and Turner Lumber Limited	Lunenburg	Sawmill
Williams Brothers (2013) Ltd.	Pictou	Sawmill

**TABLE 3. SUMMARY OF COMPLETED SILVICULTURE BY
CATEGORY, AREA AND CREDIT VALUE - 2016**

Category	Area (hectares) (%)	Credit Value (%)
1a. Natural Regeneration Establishment < 300/ ha	2,255 (18)	157,852 (2)
1b. Natural Regeneration Establishment >= 300/ha	32 (<0.5)	9,630 (<0.5)
2a. Established Plantation	2,987 (24)	1,792,050 (27)
2b. Intensive Plantation	80 (1)	12,030 (<0.5)
3. Early Competition Control: Plantation & Natural	1,586 (13)	634,472 (9)
4. Density Control & Release; Plantations	2,328 (18)	1,862,160 (28)
5. Density Control & Release; Natural Stand	1,821 (14)	1,457,040 (22)
6. Commercially Thinned	1,043 (8)	573,545 (8)
7. Quality Improvement: (a) Crop Trees Released	6 (<0.1)	0 (<0.1)
(b) Crop Trees Pruned	0 (0)	0 (0)
(c) Selection Managed	338 (<3)	185,867 (3)
TOTALS	12,476	6,684,646

Fig. 3

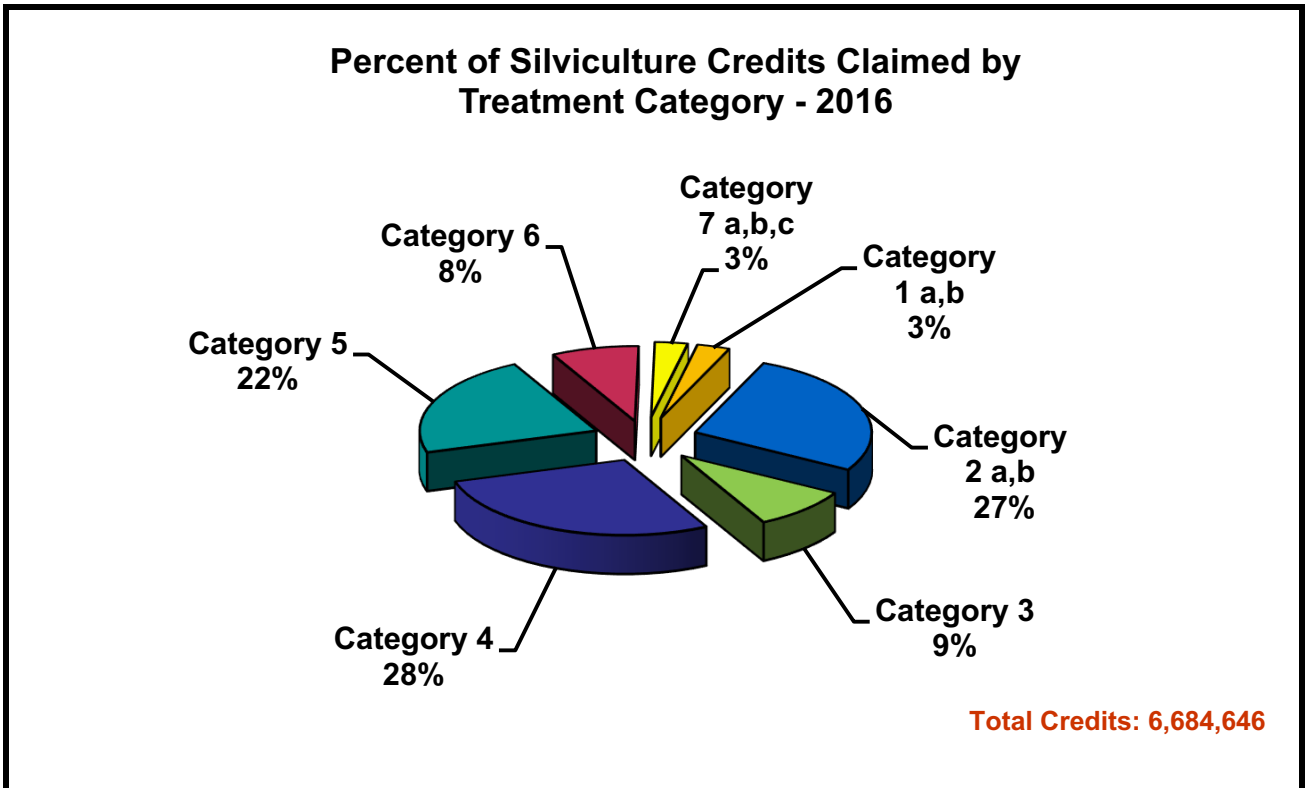


TABLE 4. SUMMARY OF COMPLETED SILVICULTURE BY SPECIES TYPE AND CREDIT VALUE - 2016

Species Type	Credit value (+ Admin)	% of Total
Softwood	6,937,447	93%
Hardwood	489,863	7%
TOTAL	7,427,310	100%

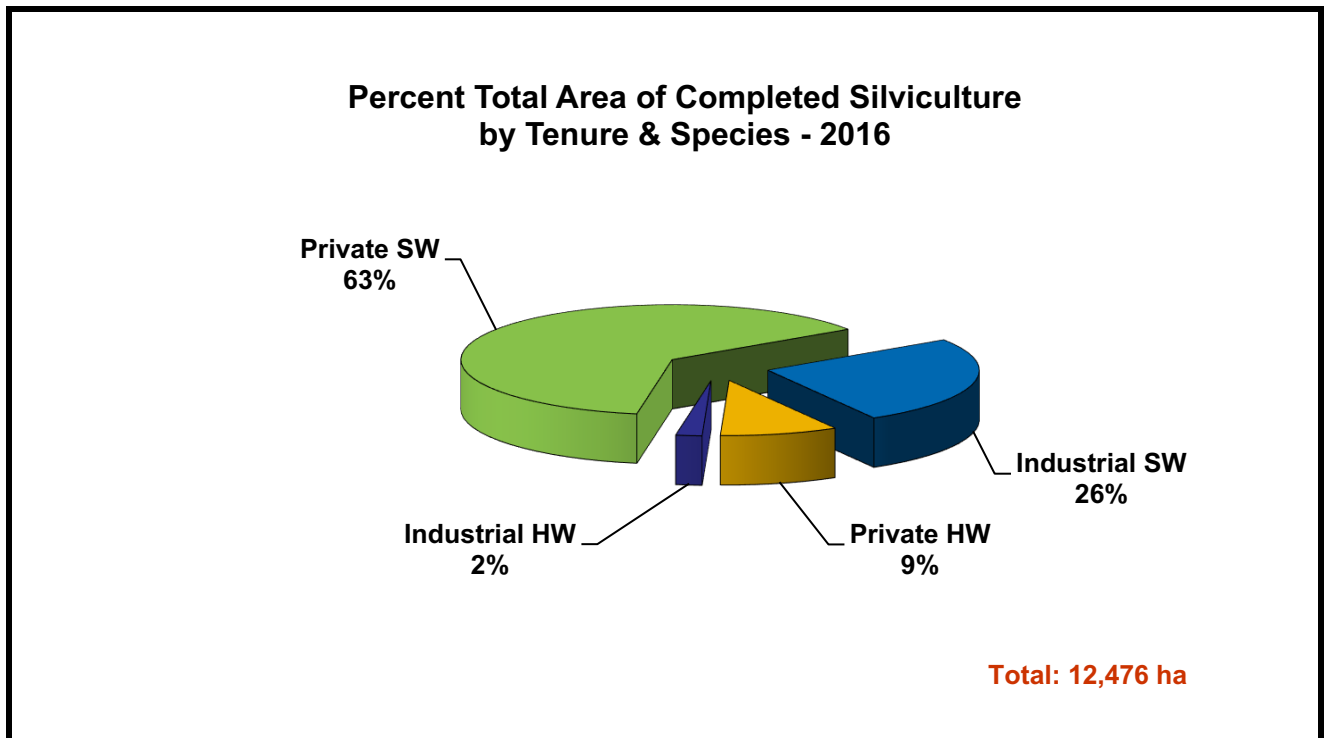
TABLE 5. SUMMARY OF COMPLETED SILVICULTURE BY CATEGORY AND TENURE CLASS - 2016

Category	Credit Value	
	Industrial	Private
1a. Natural Regeneration Establishment < 300/ ha	1,239	156,613
1b. Natural Regeneration Establishment >= 300/ ha	0	9,630
2a. Plantation Establishment	648,576	1,143,474
2b. Intensive Plantation	0	12,030
3. Early Competition Control: Plantation & Natural	248,800	385,672
4. Density Control & Release; Plantation	801,048	1,061,112
5. Density Control & Release; Natural Stands	540,232	916,808
6. Commercially Thinned	32,224	541,321
7. Quality Improvement: (a) Crop Trees Released	0	0
(b) Crop Trees Pruned	0	0
(c) Selection Managed	7,260	178,607
Totals	2,279,379	4,405,267
	6,684,646	

**TABLE 6. SUMMARY OF COMPLETED SILVICULTURE AREA (ha)
BY CATEGORY AND TENURE CLASS - 2016**

Category	Area Treated (ha) by Tenure /Species			
	Industrial Softwood	Private Softwood	Industrial Hardwood	Private Hardwood
1a Natural Regeneration Establishment <300/ha	18	1457	0	781
1b. Natural Regeneration Establishment >=300/ha	0	32	0	0
2a. Established Plantation	1,081	1,906	0	0
2b. Intensive Plantation	0	80	0	0
3. Early Competition Control: Plantation & Natural	622	964	0	0
4 .Density Control & Release; Plantation	1,001	1,326	0	0
5. Density Control & Release; Natural Stand	472	1,037	203	109
6. Commercially Thinned	59	958	0	26
7. Quality Improvement: (a) Crop Trees Released	0	0	0	6
(b) Crop Trees Pruned	0	0	0	0
(c) Selection Managed	13	103	0	222
TOTAL AREA BY TENURE/SPECIES	3,266	7,863	203	1,144
TOTAL AREA BY SPECIES	11,129		1,347	
TOTAL AREA	12,476			

Fig. 4



Appendix I

Primary Forest Product Definitions for use by Registered Buyers

Energy Chips	Wood chips intended to be used in a facility designed to produce energy and includes wood destined for cogeneration facilities.
Energy wood	Roundwood intended to be used in a facility designed to produce energy and includes wood destined for cogeneration facilities.
Export OSB Wood	Roundwood intended for the manufacture of oriented strand board and exported out of the province.
Export Pulpwood	Any wood intended to be either ground or chemically broken down to a pulp to be used in products such as paper, packaging, hardboard, etc. and exported out of the province.
Export Sawlogs	Any log intended to be sawn to produce lumber, but does not include studwood or lathe wood and exported out of the province.
Export Studwood	Any log between 8 and 10 feet lengths plus trim intended to be sawn into lumber used for vertical support in the wall of buildings and exported out of the province.
Export Veneer	Logs intended for peeling or slicing to produce thin slices of wood and exported out of the province.
Firewood	Any wood intended for residential heating purposes.
Fuel Chips	Wood chips intended for the use of generating heat for buildings other than residential housing, or for the production of other heating products such as wood pellets, bricks etc.
Fuel Wood	Any roundwood intended for the use of generating heat for buildings other than residential housing, or for the production of other heating products such as wood pellets, bricks etc.
House Logs	Logs intended for the construction of log homes and buildings.

In Woods Pulp Chips	Chips produced at in woods operations that are intended to be either ground or chemically broken down to a pulp to be used in products such as paper, packaging, hardboard, etc. In woods pulp chips do not include saw mill chips which are produced at sawmill facilities.
Lathwood	Any log intended to be sawn into thin, narrow strips of wood referred to as laths.
Poles	Any logs intended to be used as utility poles or other purposes where the log is used in round form and not sawn, but does not include house logs.
Posts/Rails	Roundwood intended for the manufacture of post and rails for fencing, landscape or other such uses.
Pulpwood	Any wood intended to be either ground or chemically broken down to a pulp to be used in products such as paper, packaging, hardboard, etc.
Sawlogs	Any log intended to be sawn to produce lumber, but does not include studwood or lath wood.
Studwood	Any log between 8 and 10 feet lengths plus trim intended to be sawn into lumber used for vertical support in the wall of buildings.
Veneer Logs	Logs intended for peeling or slicing to produce thin slices of wood.

Appendix II

Secondary Forest Product Definitions

For use by Registered Buyers

Bark	The outmost layer of trees commonly removed before processing sawlogs or pulpwood.
Bark Mulch	Bark that has been processed and commonly used for landscaping or gardening purposes.
Barrel Staves & Headings	Any components produced for the manufacture of wooden barrels.
Baskets	A container made from wooden strips or other wooden materials used to hold or carry things.
Cutting Boards	A flat wooden item used to protect a countertop or table while cutting food or materials.
Energy Chips	Wood chips intended to be used in a facility designed to produce energy and includes wood destined for cogeneration facilities.
Export Pulp Chips	Wood chips that are intended to be either ground or chemically broken down to a pulp to be used in products such as paper, packaging, hardboard, rayon etc. and exported out of the province.
Fence Posts	The wooden part of a fence set in the ground as a supporting part of a fence.
Fence Rails	The wooden part of a fence that is connected horizontally between the fence posts.
Firewood	Any wood intended for residential heating purposes.
Flooring	Any wooden material sawn or processed and intended for surface covering of a floor.
Fruit Boxes	A container made from wooden strips or other wooden materials used to hold various fruits and berries.
Fuel Chips	Wood chips intended for the use of generating heat for buildings other than residential housing, or for the production of other heating products such as wood pellets, bricks etc.

Fuel Pellets	Small, rounded, compressed material made from wood and bark and intended for heat or energy production.
Hardboard	A construction board made by compressing wood pulp with a binder at a high temperature.
Hogfuel	Hog fuel is an unrefined mix of coarse chips of bark and wood fiber. Hog fuel is any type of wood byproduct or waste that can be burned for fuel but can't be categorized as chips, shavings, bark, or sawdust.
House Logs	Logs intended for the construction of log homes or other structures.
Landscape Ties	Timbers sawn and intended for landscaping purposes.
Laths	Thin, narrow strips of wood sawn from logs.
Lumber	Wood processed by sawing into boards, planks, beams, timbers, etc.
Mine Packs	Timbers used for mining applications such as mine roof supports or cribwork.
Mouldings	Strips of wood with various profiles used as trim, casings, or decorative purposes.
Paper	Material formed into thin sheets from wood fibre and used for writing, printing, or wrapping.
Poles and Pilings	Logs intended to be driven or inserted into the ground for structural support or for suspending utilities such as wires, cables, lights, etc.
Pulp Quality Chips	Chips produced that are intended to be either ground or chemically broken down to a pulp to be used in products such as paper, packaging, hardboard, rayon, etc.
Railway ties	Timbers used in the construction of railways.
Sawdust	Small wood particles produced by sawing logs or wood.
Shavings	The thin slices of wood usually produced by a planer when dressing lumber.
Shingles	Thin tapered pieces of wood used to cover roofs and walls of buildings.
Slabwood	The outside piece cut from a log when squaring it for lumber.
Wood Pulp	Wood fibre reduced chemically or mechanically to a pulp and used in the manufacture of paper, tissue, packaging, etc.