

Registry of Buyers of Primary Forest Products



2013 CALENDAR YEAR

**Report on Primary Forest Products Acquired,
Secondary Forest Products Produced and
Wood Acquisition Plan Program**

***Nova Scotia
Natural Resources***

June , 2014

Report FOR 2014-1

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FOREWORD

For more than 60 years the Department of Natural Resources (DNR) has been compiling data on the volume of forest harvest and secondary forest products. This data provides a picture of harvest and use 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. We need data that accurately reflects wood harvest and use at the county level by land tenure.

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 and information 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 – 2013

The total reported provincial harvest for 2013 was 3,453,087 cubic meters of solid wood. Of this amount, 82% or 2,846,105 cubic meters were softwood species. The total volume of wood acquired for export was reported to be 258,807 cubic meters, or 7 % of the total harvest. The total volume of wood imported for use in Nova Scotia was reported to be 268,818 cubic meters, or 8% of the total wood consumed in Nova Scotia.

The provincial harvest for 2013 shows only a slight increase of 0.2 % compared to the 2012 harvest of 3,446,993 cubic meters.

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 181 Registered Buyers and there were no non-compliant buyers in 2013. Of the 181 buyers, 140 were reported to be active in the 2013 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 – 2013

Business Type	2012	% of total harvest	2013	% of total harvest
Firewood Sales	12	0.6%	12	0.8%
Other	11	2.6%	11	2.7%
Pulp/Paper Mill	3	24.5%	2	27.3%
Sawmill	137	63.7%	131	60.7%
Wood Export	23	7.6%	21	4.9%
Energy Generation	3	1.0%	4	3.6%
Total No. of Buyers	189	100.0%	181	100.0%

**PROVINCIAL HARVEST BY PRIMARY FOREST
PRODUCT AND SPECIES TYPE
2013**

Product	Percent of Total Harvest	Hardwood m3 solid	Softwood m3 solid	Total m3 solid
Firewood	1%	38,120	1,078	39,198
Fuelwood	6%	109,129	104,866	213,995
Posts/Rails, House Logs	<1%	0	1,756	1,756
Pulpwood	39%	311,594	1,053,101	1,364,695
Studwood/Sawlogs	53%	129,395	1,685,304	1,814,699
OSB Wood	<1%	17,408	0	17,408
Veneer Logs	<1%	1,336	0	1,336
Totals	100%	606,982	2,846,105	3,453,087

**PRIMARY FOREST PRODUCT EXPORTS
BY PRODUCT AND SPECIES TYPE
2013**

Product	Percent of Total Export	Hardwood m3 solid	Softwood m3 solid	Total m3 solid
Pulpwood	92%	220,029	19,102	239,131
Studwood/Sawlogs	<1%	356	1,642	1,998
Veneer Logs	0%	0	0	0
Firewood	<1%	220	50	270
OSB Wood	7%	17,408	0	17,408
Totals	100%	238,013	20,794	258,807

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.

Through review of Natural Resources Canada surveys and other sources of information, the Department estimates that as much as 450,000 cubic metres of wood may be used as a household energy source on an annual basis in Nova Scotia.

TOTAL PROVINCIAL HARVEST – 2013
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	4%	S	122,755	0	122,755
		H	19,926	8,871	28,797
Antigonish	2%	S	56,106	0	56,106
		H	12,453	0	12,453
Cape Breton	3%	S	95,086	0	95,086
		H	13,135	0	13,135
Colchester	8%	S	211,047	1,322	212,369
		H	35,515	16,184	51,699
Cumberland	17%	S	399,375	19,452	418,827
		H	51,519	106,361	157,880
Digby	8%	S	236,451	0	236,451
		H	19,544	9,794	29,338
Guysborough	8%	S	253,493	0	253,493
		H	34,694	2,190	36,884
Hants	7%	S	179,913	0	179,913
		H	21,343	31,735	53,078
Halifax	12%	S	368,884	0	368,884
		H	29,879	14,321	44,200
Inverness	4%	S	116,123	0	116,123
		H	15,358	0	15,358
Kings	5%	S	120,421	0	120,421
		H	29,621	12,750	42,371
Lunenburg	6%	S	175,979	0	175,979
		H	19,465	14,849	34,314
Pictou	8%	S	217,517	20	217,537
		H	44,950	17,671	62,621
Queens	3%	S	84,600	0	84,600
		H	7,246	2,371	9,617
Richmond	2%	S	66,781	0	66,781
		H	3,869	0	3,869
Shelburne	1%	S	35,635	0	35,635
		H	6,634	744	7,378
Victoria	1%	S	44,649	0	44,649
		H	2,901	0	2,901
Yarmouth	1%	S	40,496	0	40,496
		H	917	172	1,089
Total	100%	S	2,825,311	20,794	2,846,105
		H	368,969	238,013	606,982
Grand Total			3,194,280	258,807	3,453,087

TOTAL PROVINCIAL HARVEST – 2013
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	5%	S	28,314	0	28,314
		H	6,100	253	6,353
Antigonish	3%	S	19,394	0	19,394
		H	3,468	0	3,468
Cape Breton	7%	S	36,589	0	36,589
		H	9,499	0	9,499
Colchester	<1 %	S	108	0	108
		H	0	38	38
Cumberland	3 %	S	19,003	0	19,003
		H	2,125	0	2,125
Digby	1%	S	6,941	0	6,941
		H	2,212	0	2,212
Guysborough	19%	S	105,891	0	105,891
		H	21,450	129	21,579
Hants	4%	S	26,335	0	26,335
		H	3,651	0	3,651
Halifax	18%	S	111,202	0	111,202
		H	7,427	1,134	8,561
Inverness	10%	S	61,015	0	61,015
		H	9,800	0	9,800
Kings	9%	S	40,768	0	40,768
		H	19,675	0	19,675
Lunenburg	2%	S	7,636	0	7,636
		H	7,558	0	7,558
Pictou	6%	S	28,804	0	28,804
		H	9,619	0	9,619
Queens	1%	S	6,293	0	6,293
		H	48	275	323
Richmond	6%	S	37,342	0	37,342
		H	3,422	0	3,422
Shelburne	2%	S	7,062	0	7,062
		H	5,234	166	5,400
Victoria	3%	S	17,136	0	17,136
		H	789	0	789
Yarmouth	0%	S	0	0	0
		H	0	0	0
Total	100%	S	559,833	0	559,833
		H	112,077	1,995	114,072
Grand Total			671,910	1,995	673,905

TOTAL PROVINCIAL HARVEST – 2013
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	4%	S	17,073	0	17,073
		H	3,495	183	3,678
Antigonish	0%	S	0	0	0
		H	0	0	0
Cape Breton	0%	S	0	0	0
		H	0	0	0
Colchester	20%	S	94,580	0	94,580
		H	14,023	4,861	18,884
Cumberland	19%	S	56,565	4,265	60,830
		H	9,587	40,844	50,431
Digby	23%	S	115,611	0	115,611
		H	12,681	6,853	19,534
Guysborough	1%	S	5,023	0	5,023
		H	525	426	951
Hants	5%	S	20,279	0	20,279
		H	4,296	1,490	5,786
Halifax	25%	S	118,512	0	118,512
		H	13,225	10,344	23,569
Inverness	< 1%	S	147	0	147
		H	187	0	187
Kings	< 1%	S	2,335	0	2,335
		H	415	0	415
Lunenburg	< 1%	S	2,060	0	2,060
		H	497	0	497
Pictou	1%	S	2,550	0	2,550
		H	835	662	1,497
Queens	2%	S	12,175	0	12,175
		H	71	0	71
Richmond	0%	S	0	0	0
		H	0	0	0
Shelburne	0%	S	0	0	0
		H	0	0	0
Victoria	< 1%	S	283	0	283
		H	196	0	196
Yarmouth	< 1%	S	0	0	0
		H	93	0	93
Total	100%	S	447,193	4,265	451,458
		H	60,126	65,663	125,789
Grand Total			507,319	69,928	577,247

TOTAL PROVINCIAL HARVEST – 2013
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	4%	S	77,368	0	77,368
		H	10,331	8,435	18,766
Antigonish	2%	S	36,712	0	36,712
		H	8,985	0	8,985
Cape Breton	3%	S	58,497	0	58,497
		H	3,636	0	3,636
Colchester	7%	S	116,359	1,322	117,681
		H	21,492	11,285	32,777
Cumberland	20%	S	323,807	15,187	338,994
		H	39,807	65,517	105,324
Digby	6%	S	113,899	0	113,899
		H	4,651	2,941	7,592
Guysborough	7%	S	142,579	0	142,579
		H	12,719	1,635	14,354
Hants	8%	S	133,299	0	133,299
		H	13,396	30,245	43,641
Halifax	7%	S	139,170	0	139,170
		H	9,227	2,843	12,070
Inverness	3%	S	54,961	0	54,961
		H	5,371	0	5,371
Kings	5%	S	77,318	0	77,318
		H	9,531	12,750	22,281
Lunenburg	9%	S	166,283	0	166,283
		H	11,410	14,849	26,259
Pictou	11%	S	186,163	20	186,183
		H	34,496	17,009	51,505
Queens	3%	S	66,132	0	66,132
		H	7,127	2,096	9,223
Richmond	1%	S	29,439	0	29,439
		H	447	0	447
Shelburne	1%	S	28,573	0	28,573
		H	1,400	578	1,978
Victoria	1%	S	27,230	0	27,230
		H	1,916	0	1,916
Yarmouth	2%	S	40,496	0	40,496
		H	824	172	996
Total	100%	S	1,818,285	16,529	1,834,814
		H	196,766	170,355	367,121
Grand Total			2,015,051	186,884	2,201,935

TOTAL PROVINCIAL HARVEST – 2013
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 – 2013

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. J.D. Irving – Truro Lumber Ledwidge Lumber Co. Ltd.	Greenfield Valley Enfield	Queens Colchester Halifax
<u>Acquiring 50 001 to 200 000 per year</u>		
Elmsdale Lumber Co. Ltd. F.W Taylor Lumber Ltd Scotsburn Lumber Ltd.	Elmsdale Middle Musquodoboit Scotsburn	Halifax Halifax Pictou
<u>Acquiring 10 001 to 50 000 per year</u>		
Elmer Lohnes Lumbering Ltd. Groupe Savoie Westville Division Hefler Forest Products Ltd. J.A. Turner & Sons (1987) Ltd. Lewis Mouldings & Wood Specialties Turner and Turner Lumber Ltd. Williams Brothers (2013) Ltd.	Wileville Westville Lower Sackville West Northfield Weymouth Bridgewater Barney's River	Lunenburg Pictou Halifax Lunenburg Digby Lunenburg Pictou
<u>Acquiring 3 001 to 10 000 per year</u>		
A.F.T. Sawmill Ltd. B.A. Fraser Lumber Ltd. Dave's Lumber Ltd. Halifax HT Pallets and Products Ltd. Hurlburt Lumber Ltd. L & S Lumber Limited New Arbor Products Limited S. G. Levy & Sons Ltd. Trijec Lumber Ltd.	Meteghan River Margaree Valley Pictou Stewiacke South Ohio Caledonia Truro Wolfville Tatamagouche	Digby Inverness Pictou Colchester Yarmouth Queens Colchester Kings Colchester

Sawmills by Acquisition Class – 2013

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 1 001 to 3 000 per year</u>		
Baddeck Valley Wood Producers	Baddeck	Victoria
E & M Burgess Enterprises Ltd.	Newport Station	Hants
Edward Atwood	Barrington	Shelburne
Garnett Davison	Newport	Hants
Hugh MacInnis Lumber Ltd.	Frenchvale	Cape Breton
Lester D. Collicutt Lumber Ltd.	Chester	Lunenburg
Maurice Bruhm Ltd.	Mahone Bay	Lunenburg
North Range Forest Products	Barton	Digby
Thomas Scott Lumber Ltd.	Barrington	Shelburne

Acquiring 1 to 1 000 per year

A.G. Spears Sawmill	Shelburne	Shelburne
Aubrey Conrad	Branch LaHave	Lunenburg
Barrett Lumber Company Limited	Beaver Bank	Halifax
Barry George	Christmas Island	Cape Breton
Barss Corner Lumber	New Germany	Lunenburg
Benjamin T. Otter	West Branch	Pictou
Bill Johns	Digby	Digby
Brad Lilly	Lawrencetown	Annapolis
Bras d'Or Mobile Milling Company Ltd.	Black Rock	Victoria
Brown's Portable Sawmill	Caribou River	Colchester
C. James Nickerson	Clyde River	Shelburne
Cecil MacLennan	Benacadie West	Cape Breton
Charlie Jodrey	Westphal	Halifax
Cogmagun Sawmilling	Centre Burlington	Hants
Conway Workshop Association	Digby	Digby
D & E Sawmill	Brazil Lake	Yarmouth
Doug's Portable Custom Sawing	Debert	Colchester
Douglas and Charles Moore Lumber	Upper North Sydney	Cape Breton
Edward Quinlan	Clark's Harbor	Shelburne
Far East Enterprises	Antigonish	Antigonish
Fisherman's Choice Trap Builders	River John	Pictou

Sawmills by Acquisition Class – 2013

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>		
Fleur De Lis Sawmill	L'Ardoise	Richmond
Forsyth & Forsyth Lumbering	Coldbrook	Kings
Frank and Jack Penny	Springfield	Annapolis
Free Spirit Farm	Tatamagouche	Colchester
Gary LeBlanc Logging & Lumber	Church Point	Digby
Gerry Falconer	Scotsburn	Pictou
Gordon Bezanson	Moser River	Guysborough
Greenwood Meadows Ltd.	Baddeck	Victoria
Harold Fox	Valley	Colchester
Hillside Lumber	South Side Boularderie	Cape Breton
James Johnson	Truro	Colchester
Jeffrey Robar	Chelsea	Lunenburg
John and Everett Rand	Canning	Kings
John Ford	Caledonia	Kings
John MacLean	Little Narrows	Victoria
Jonny Davis	Shelburne	Shelburne
Joseph Breen	Afton	Antigonish
Karl Dueck	Upper Kennetcook	Hants
L. E. Elliott Lumber Ltd.	New Ross	Lunenburg
Larch Wood Enterprises	Margaree	Inverness
Lawrence Rudolph	Little Liscome	Guysborough
M.C. Morrison Lumber	Margaree Valley	Inverness
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 Joudrey	River John	Pictou
Middle River Contracting Ltd.	Westville	Pictou
Neil MacKeigan Lumber Company Ltd.	Albert Bridge	Cape Breton
Nolan Mullen	Weymouth	Digby
Northfire Farms	Bridgewater	Shelburne
Parsons Lumber Company Limited	Queensland	Halifax
Peter Lawrence	Brooklyn	Queens

Sawmills by Acquisition Class – 2013

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
Randall Dearmond	Beaver Brook	Colchester
Richard Neily	Falmouth	Hants
Rivers Bend Wood Products	St. Andrews	Antigonish
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
Sydney Forks Sawmill	Sydney	Cape Breton
Theodore Bruhm	West Northfield	Lunenburg
Timothy Barteaux	Annapolis Royal	Annapolis
W.R. Chisholm & Sons Trucking Ltd.	Scotsburn	Pictou
Wayne B. Millett Lumber	Chester Basin	Lunenburg
Wayne Comeau	Saulinerville	Digby
Webster Farms Ltd.	Cambridge Station	Kings
Wolfgang Development Ltd.	Tantallon	Halifax

Sawmills by Acquisition Class – 2013

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>		
C.E. Harrison & Sons	Parrsboro	Cumberland
Central Cape Breton Forestry Serv.	Benacadie	Cape Breton
Chuck Grady	Mulgrave	Guysborough
D. Robinson	Aylesford	Kings
Dale Page	Mount Uniacke	Hants
Daniel J. LeBlanc	Concession	Digby

Sawmills by Acquisition Class – 2013

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

NAME

LOCATION

COUNTY

Acquiring None

Danny Gaudet	Church Point	Digby
Dawson Baker	Chester	Lunenburg
Felix Comeau	Little Brook	Digby
Grand Elm Farm	Newport	Hants
Hazeldale Milling & Trucking Ltd.	Little Narrows	Victoria
James Laffin	Windsor	Hants
KAPP Lumber Mill & Production	Little Liscomb	Guysborough
Laurent Thibodeau & Son	Saulnierville	Digby
Leslie Harlow	Halifax	Queens
M. R. MacDonald Holdings 11 Limited	New Glasgow	Pictou
MacDonald's Sawmill	Sherbrooke	Guysborough
Marwood Glenholme	Bedford	Colchester
Parkwood Land Management Ltd.	Hopewell	Pictou
Paul Roach	Middleton	Annapolis
Payson Dobson Lumber Ltd.	Westchester	Cumberland
Raymond Campbell	Wentworth	Colchester
Roger Carrigan	Cregnish	Inverness
Tom Robicheau	Meteghan	Digby
William Page	Kennetcook	Hants

Wood Export Businesses – 2013

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
H.C. Haynes	Clifton	Colchester
North Nova Forest Owners Co-op Limited	Wentworth	Cumberland
River Philip Contracting	Oxford	Cumberland

Acquiring 1 to 3000 per year

AV Nackawic Inc.	Nackawic	New Brunswick
Bob O'Leary	Truro	Colchester
John Baird	Oxford	Cumberland
New Wave Forestry	Thorburn	Pictou
Verso Paper	Enfield ME	Maine

Acquiring none

3268239 Nova Scotia Ltd.	Digby	Digby
Arbec Forest Products G.P.	Miramichi	New Brunswick
Century Forestry Consultants Ltd.	Pictou	Pictou
Charles Perry Forestry Services Ltd.	Parrsboro	Cumberland
Kevin Langille Logging & Contracting	Scotsburn	Pictou
Little River Farms	Oxford	Cumberland
Melvin Langille	Tatamagouche	Colchester
Milltown Forestry Services Ltd.	Old Barns	Colcheater
Red Point Export Ltd.	Jamesville	Victoria
Riverside Forestry Limited	Bedford	Halifax
Wagner Forest N.S. Ltd.	Truro	Colchester

Firewood Sales Businesses – 2013

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
Wayne Rowter	Caledonia	Queens
Wilfred H. Kinsman Forest Products	Cambridge	Kings

Acquiring 1 to 1 000 per year

Brazil Lake Enterprises	South Ohio	Yarmouth
Future Forestry Service Co-Op	New Glasgow	Pictou
Geoffrey Pearse	Middleton	Annapolis
J.W. Tanner Logging Ltd.	Bass River	Colchester
LaForet Acadienne Limitee	Church Point	Digby

Fuel Chips Sales Businesses – 2013

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>		
North-Lumber-Land Resources Ltd.	Truro	Colchester

Log Homes Businesses – 2013

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

<u>NAME</u>	<u>LOCATION</u>	<u>COUNTY</u>
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Acquiring over 1 per year

Heartwood Log Homes Ltd.	Margaretsville	Annapolis
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Acquiring none

Chedabucto Log Home Construction Ltd.	Boylston	Guysborough
Kenomee Log Homes	Economy	Colchester

Poles/Post Plant Businesses – 2013

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

<u>NAME</u>	<u>LOCATION</u>	<u>County</u>
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Acquiring over 1 per year

Corkum's Forest Products	Falmouth	Hants
Mike Falkenham	Lunenburg	Lunenburg
Russell Bros. Logging	Upper Stewiacke	Colchester

Acquiring none

Stella Jones Inc.	Truro	Colchester
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Pulp/Paper Mill Businesses – 2013

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

NAME

LOCATION

COUNTY

Acquiring over 50 000 per year

Northern Pulp Nova Scotia Corporation	New Glasgow	Pictou
Port Hawkesbury Paper LP	Port Hawkesbury	Richmond

Hardboard Mill Businesses – 2013

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

NAME

LOCATION

COUNTY

Acquiring over 1 per year

Louisiana – Pacific Canada Ltd.	Chester	Lunenburg
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Energy Generating Businesses – 2013

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

NAME

LOCATION

COUNTY

Acquiring over 5,001per year

Brooklyn Power Corporation	Brooklyn	Queens
Nova Scotia Power Inc.	Port Hawkesbury	Richmond

Acquiring 1 to 500 per year

CBEX Renewable Energy Inc.	Glace Bay	Cape Breton
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Acquiring None

Cellufuel Inc.	Digby	Digby
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Pellet Plant Businesses – 2013

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>		
Scotia Atlantic Biomass Company Ltd. Shaw Resources	Shubenacadie	Hants

Nova Scotia Sawmills by Production Class – 2013

*Production Class (fbm)	Number of Sawmills	Production (fbm)	Percent of Total Production	Average Production per Mill (fbm)
1 – 20,000	48	377,718	0.12 %	7,869
20,001- 100,000	19	805,704	0.26 %	42,405
100,001 - 500,000	16	3,154,848	1.02 %	197,178
500,001 -1,000,000	6	4,347,297	1.40 %	724,549
1,000,001 – 3,000,000	5	10,643,364	3.43 %	2,128,673
3,000,001 – 10,000,000	4	20,681,034	6.66 %	5,170,258
over 10,000,000	6	270,439,716	87.11 %	45,073,286
Total	104	310,449,681	100%	

*27 Nova Scotia Sawmills had no production in 2013

Secondary Forest Products – 2013

Product	Softwood m³	Hardwood m³	Total m³
Bark Mulch	5,877	0	5,877
Firewood/Slabwood	5,988	41,129	47,117
Fuel Chips/Energy Chips/Pellets	30,586	5,687	36,273
Baskets, Components, Cutting Boards, Flooring, Fruit Boxes, Mouldings	12,768	1,587	14,355
Hardboard	N/A	N/A	N/A
Hog Fuel	260,862	3,949	264,811
House Logs	N/A	N/A	N/A
Sawn Products	877,081	30,726	907,807
Pulp/Paper	597,994	3,330	601,324
Poles/Posts/Pilings & Railway ties	1,960	1,357	3,317
Shavings	55,345	0	55,345
Sawdust	66,577	5,564	72,141
Pulp Quality Chips	625,748	71,270	697,018

REGISTERED BUYERS BY BUSINESS TYPE AND COUNTY – 2013

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	-	-	-	1	-	6
Antigonish	4	-	-	-	-	-	-	-	-	-	4
Cape Breton	8	-	-	-	-	-	1	-	-	-	9
Colchester	12	-	5	-	2	2	-	1	1	-	23
Cumberland	3	-	6	-	-	-	-	-	-	-	9
Digby	14	-	1	-	1	-	1	-	-	-	17
Guysborough	6	-	-	-	-	-	-	-	1	-	7
Hants	14	-	-	-	-	1	-	-	-	1	16
Halifax	8	-	2	-	3	-	-	-	-	1	14
Inverness	4	-	-	-	-	-	-	-	-	-	4
Kings	5	-	-	-	2	-	-	-	-	-	7
Lunenburg	14	-	-	1	-	1	-	-	-	-	16
Pictou	13	1	3	-	1	-	-	-	-	-	18
Queens	6	-	-	-	1	-	1	-	-	-	8
Richmond	1	1	-	-	-	-	1	-	-	-	3
Shelburne	8	-	-	-	-	-	-	-	-	-	8
Victoria	5	-	1	-	-	-	-	-	-	-	6
Yarmouth	2	-	-	-	1	-	-	-	-	-	3
Out of Prov.	-	-	3	-	-	-	-	-	-	-	3
Total	131	3	21	1	12	4	4	1	3	2	181

Fig.1

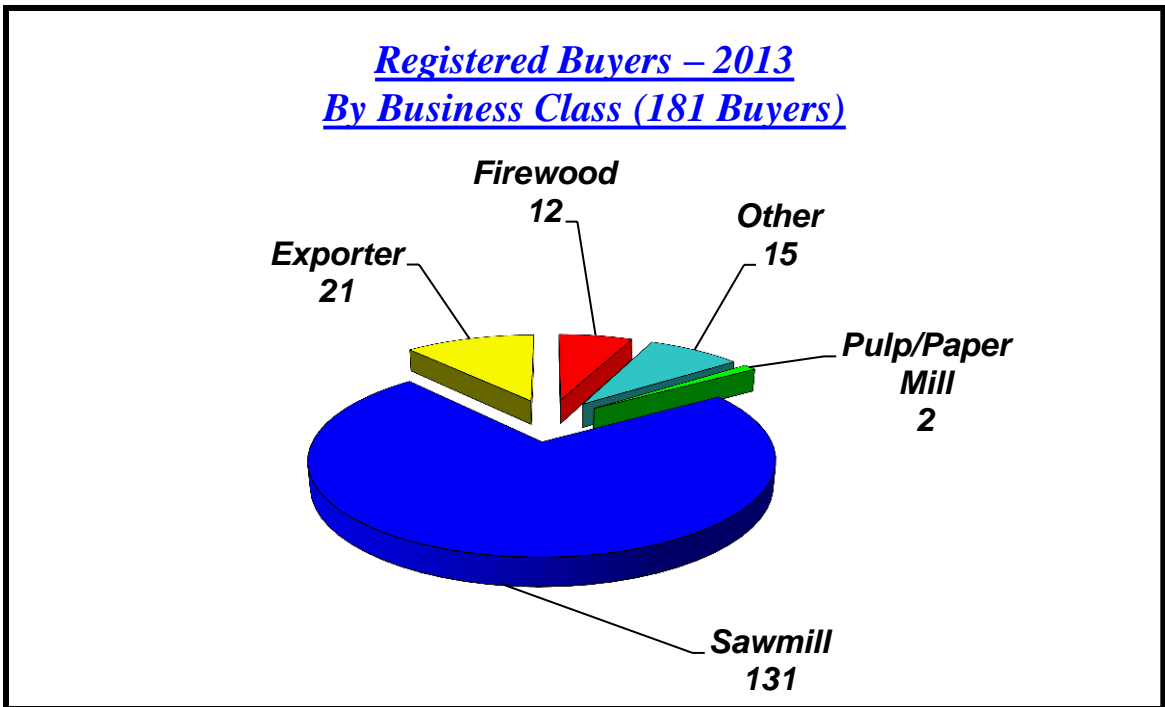


Fig.2

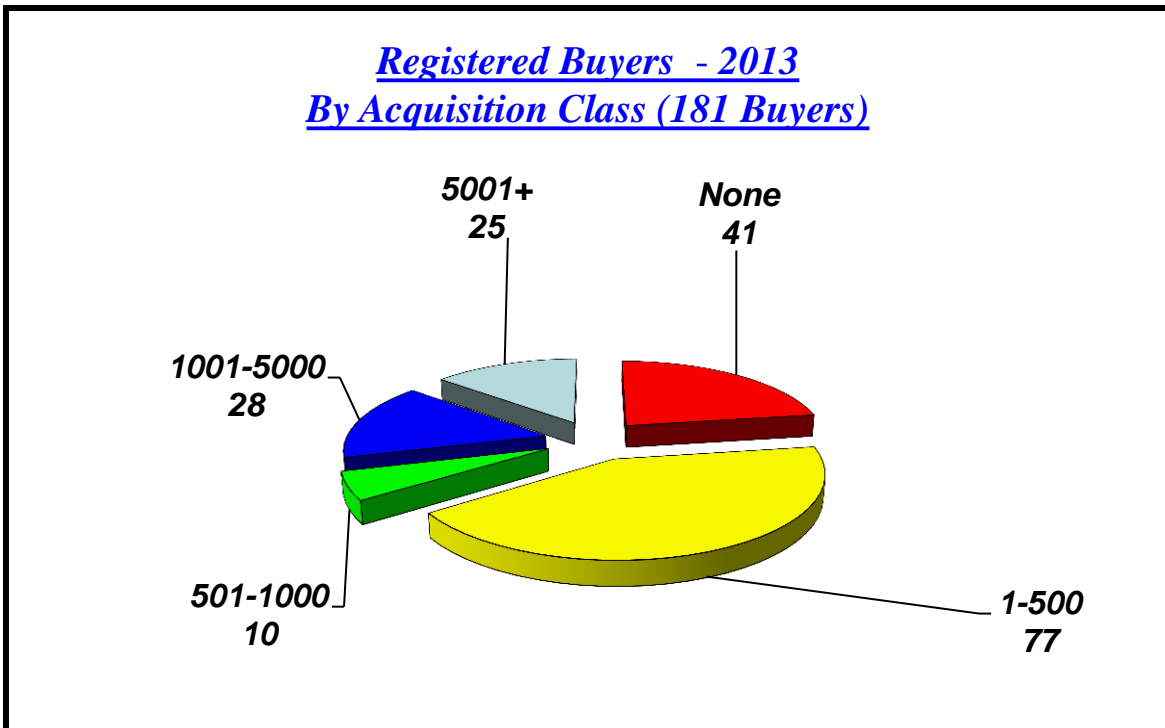


Fig.3

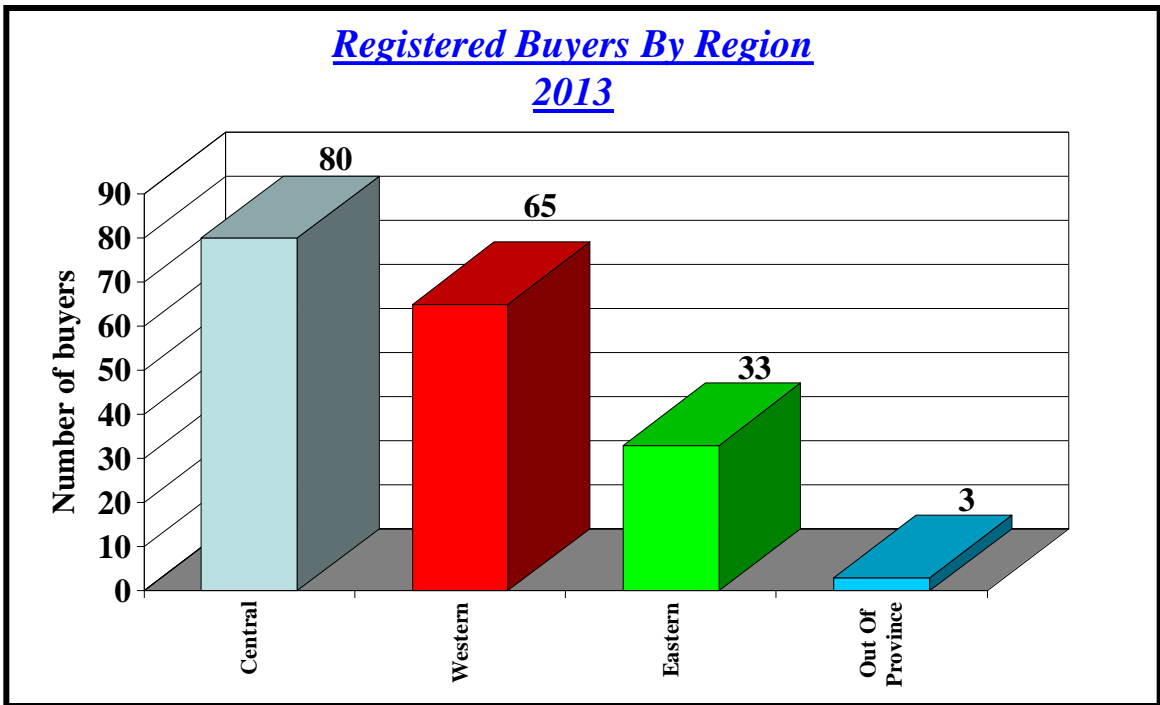


Fig.4

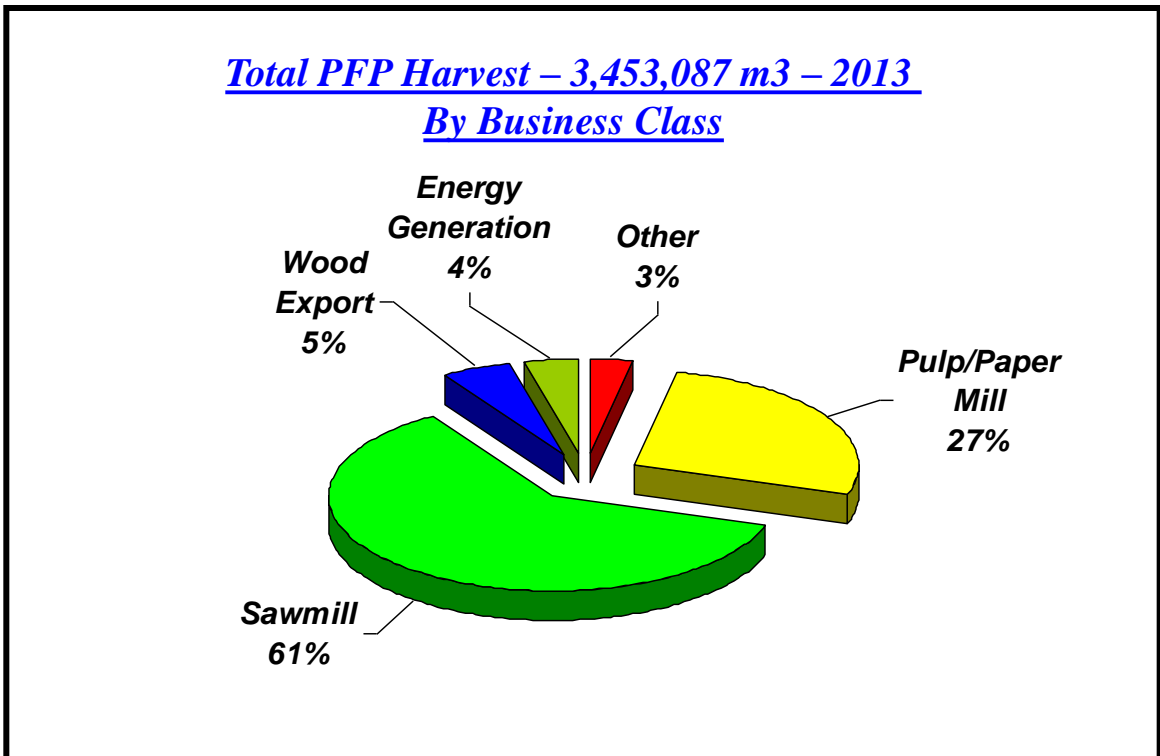


Fig.5

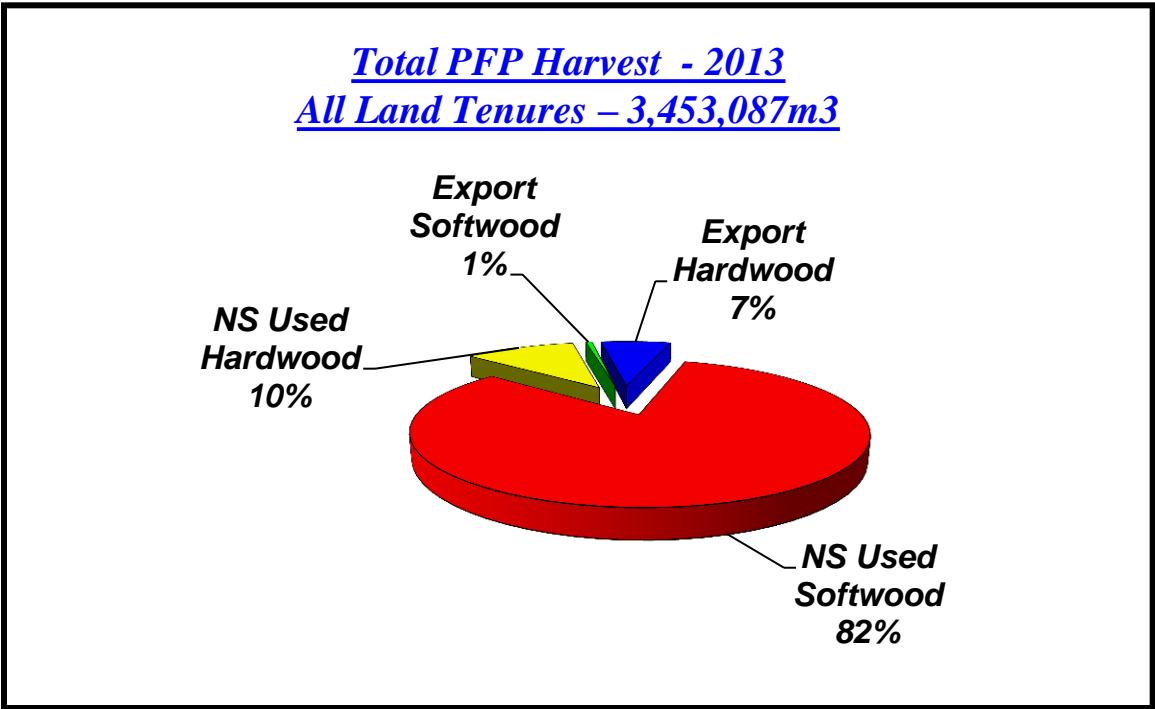


Fig.6

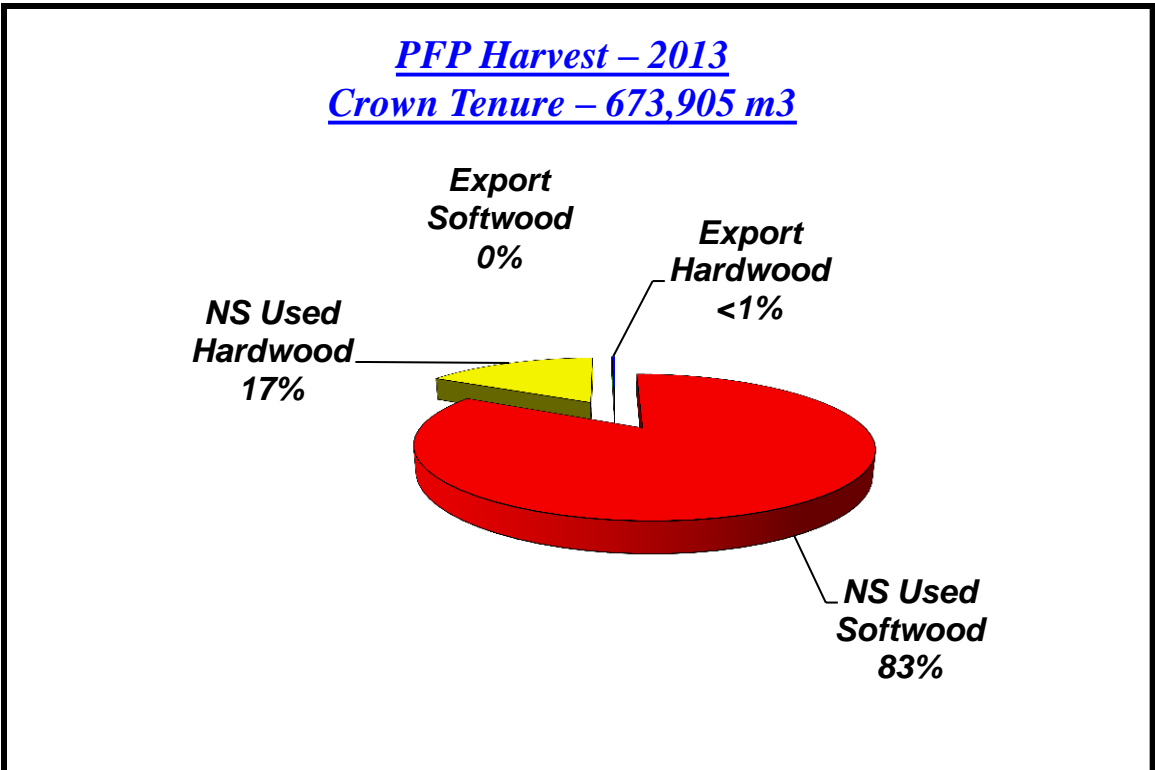


Fig.7

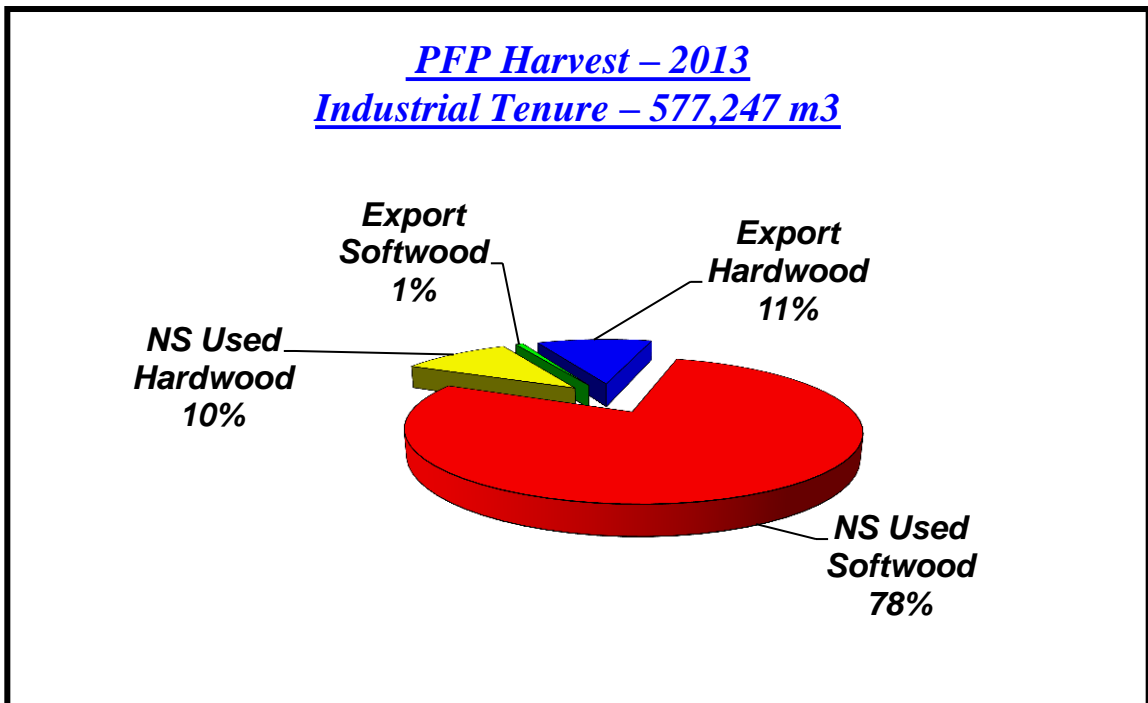


Fig.8

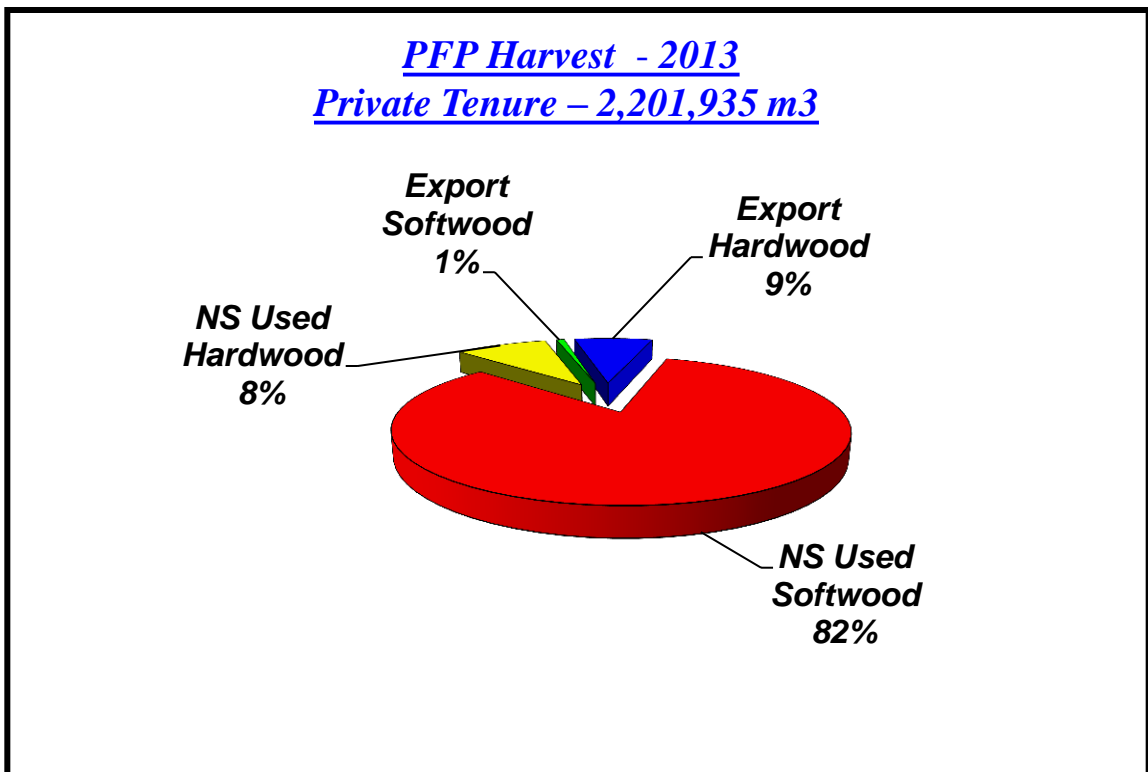


Fig.9

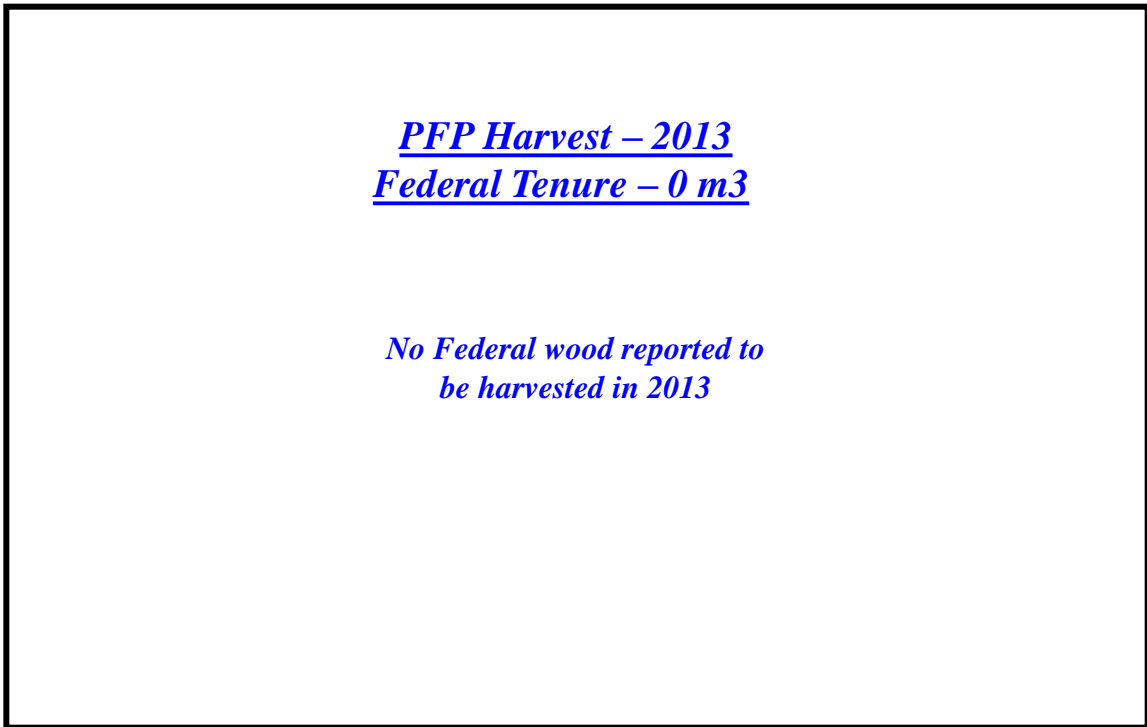


Fig.10

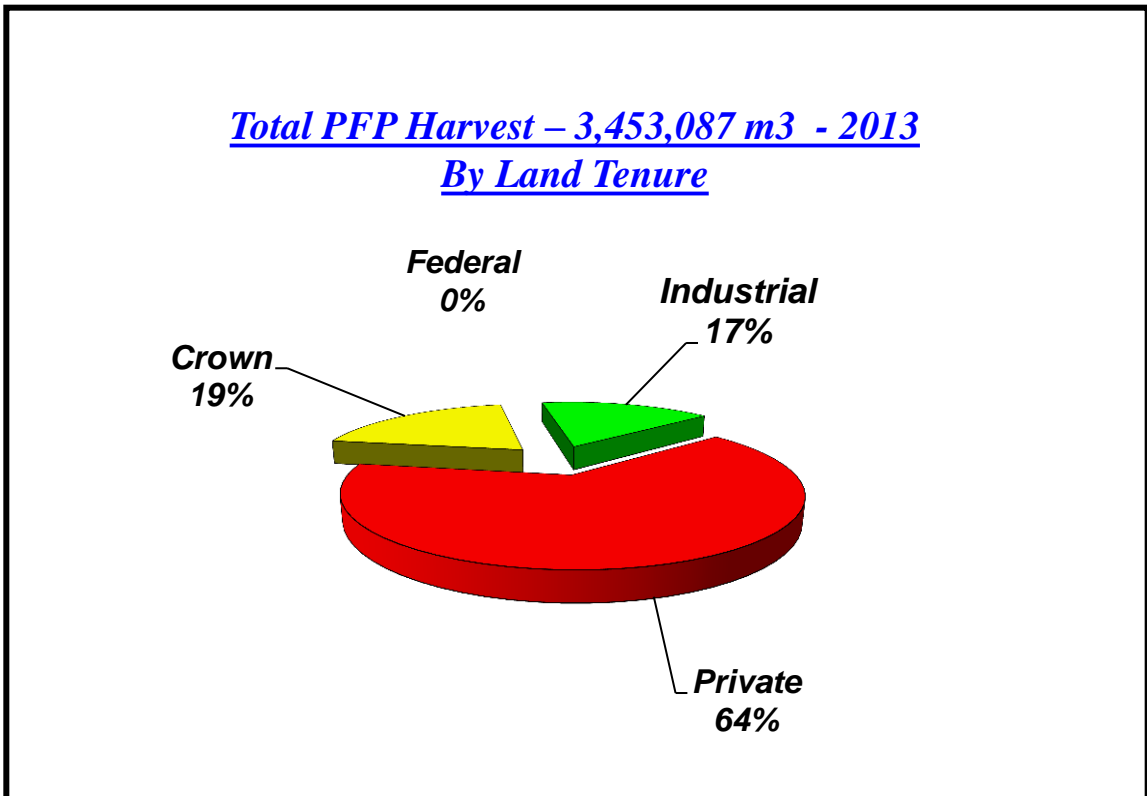


Fig.11

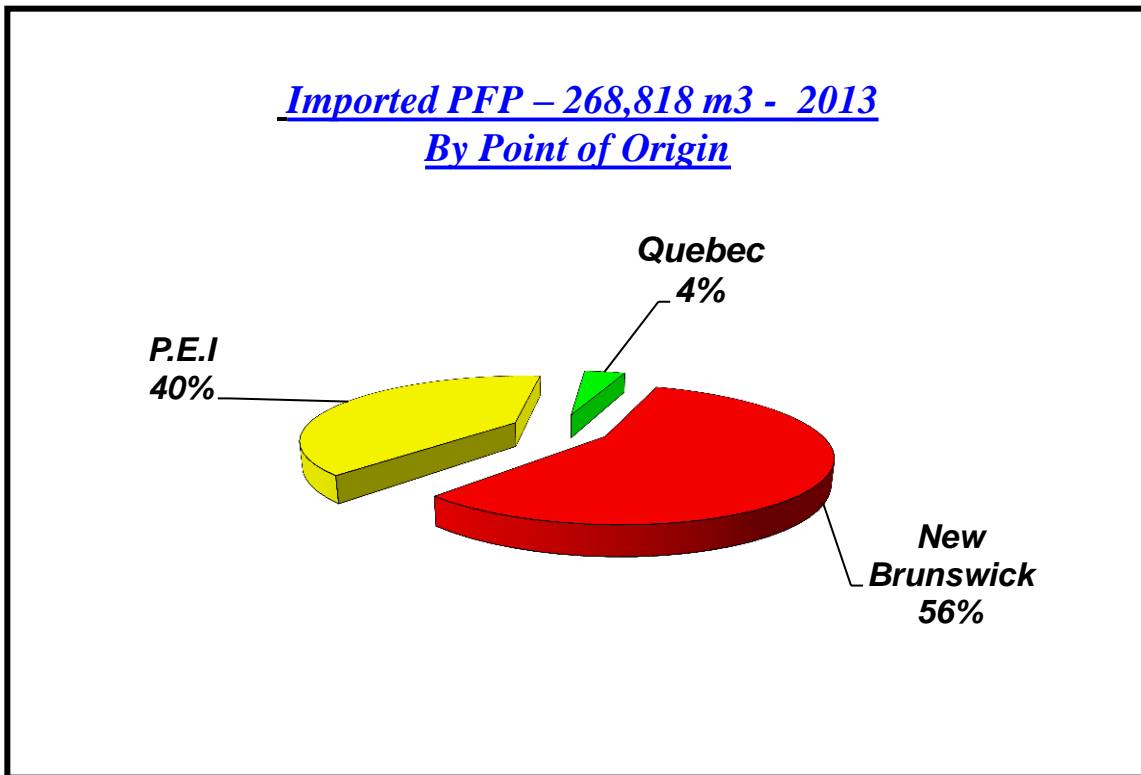


Fig.12

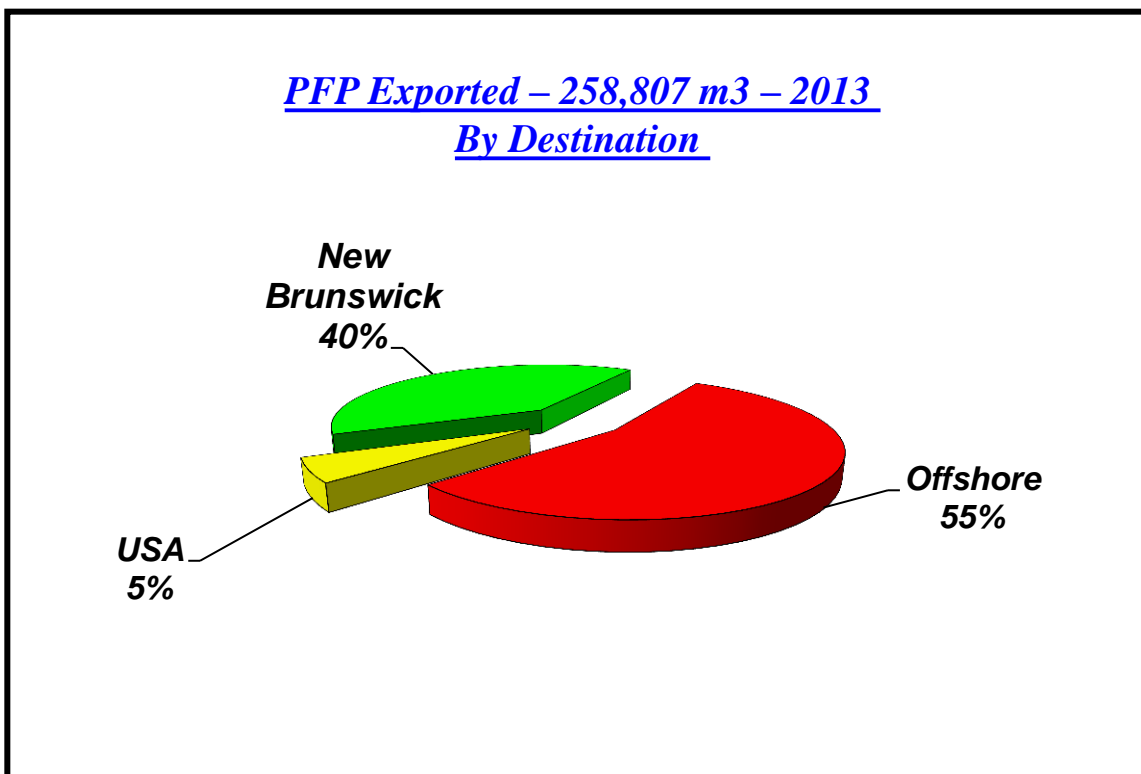


Fig.13

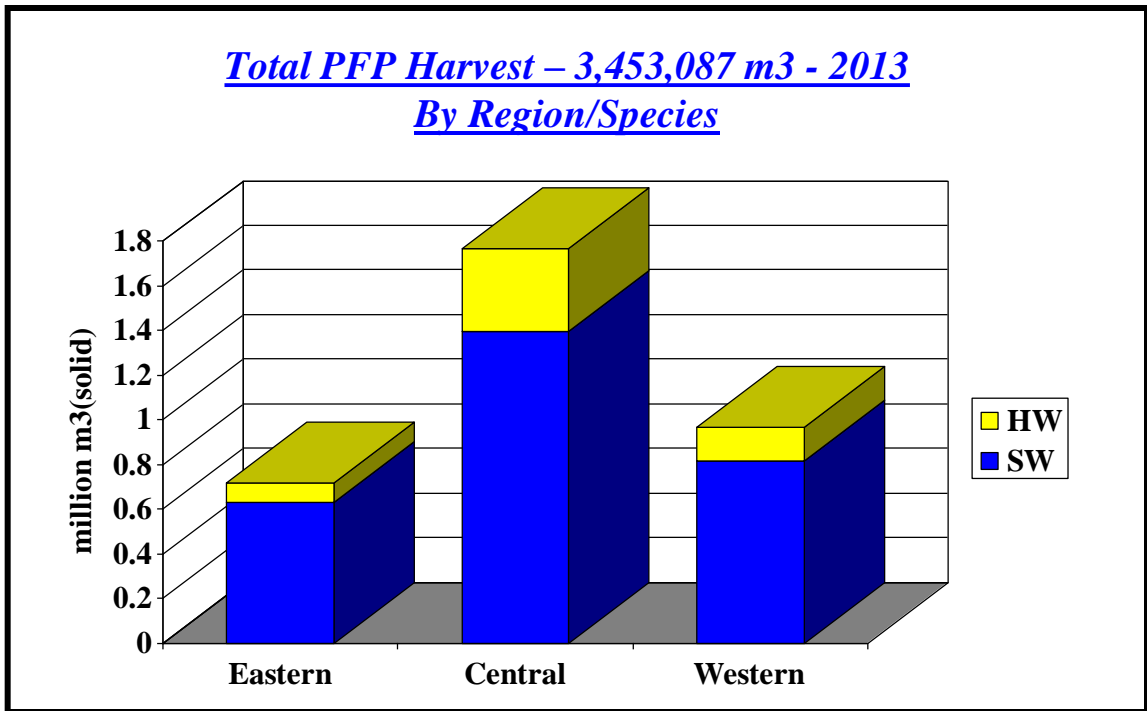


Fig.14

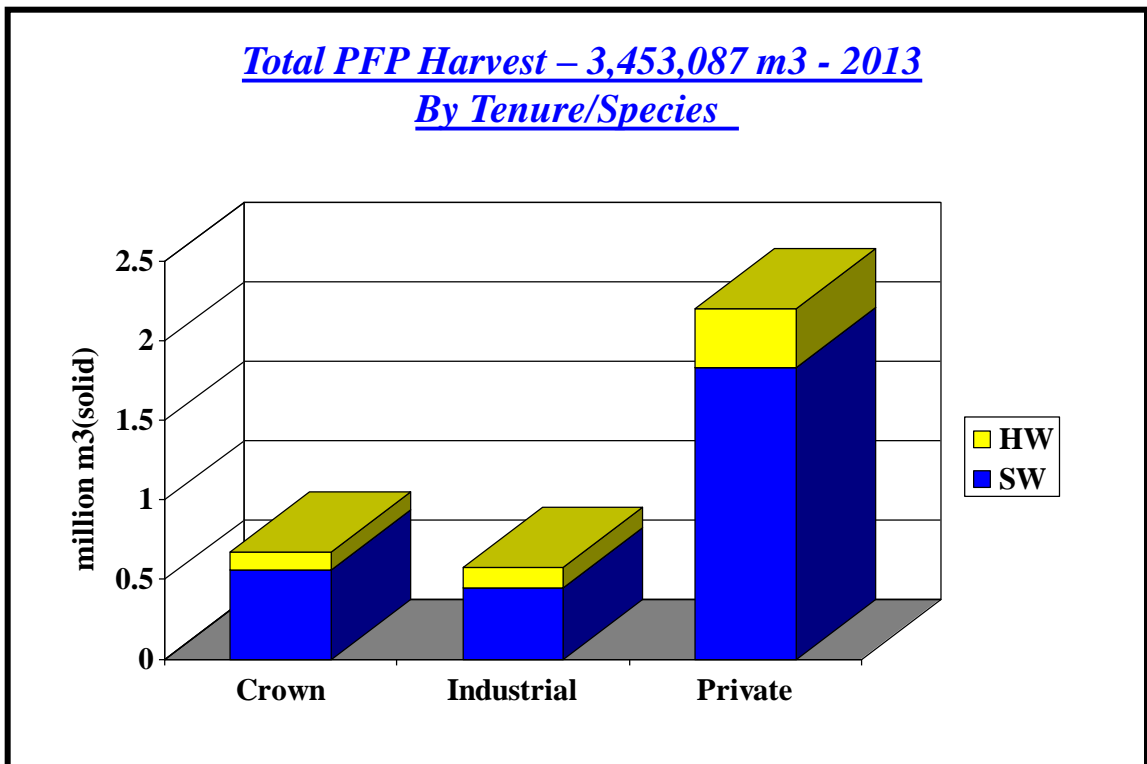


Fig. 15

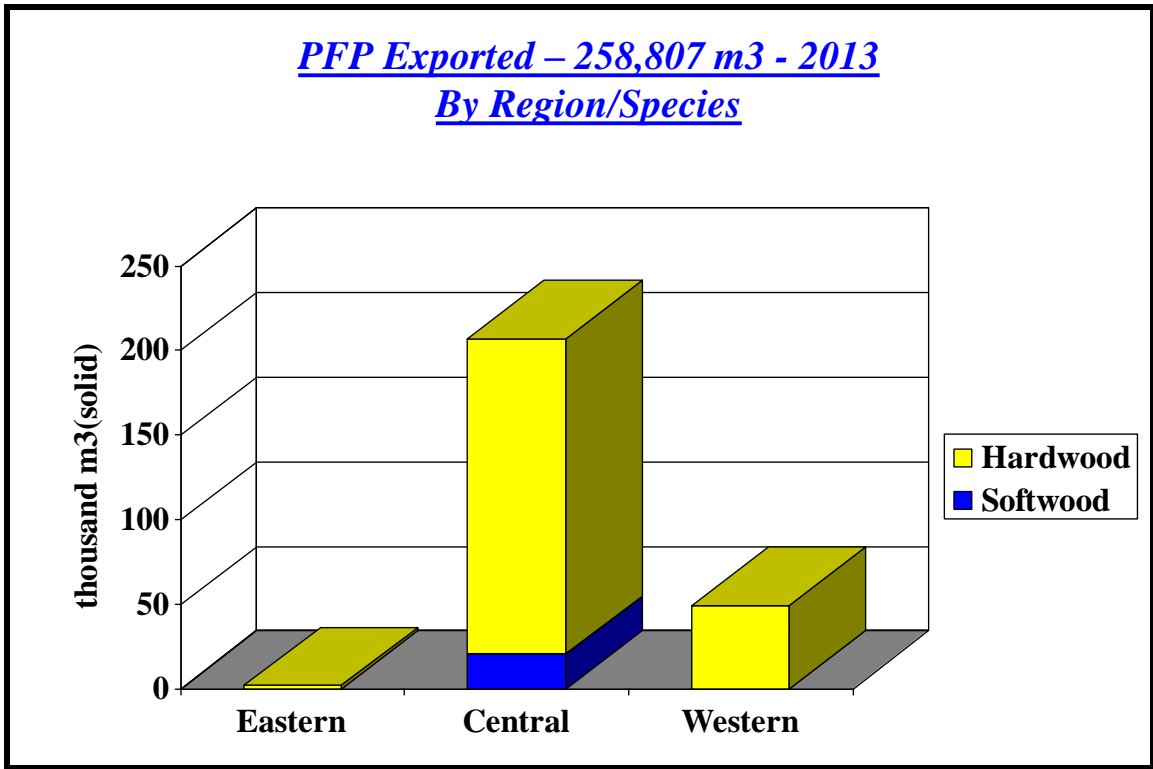


Fig.16

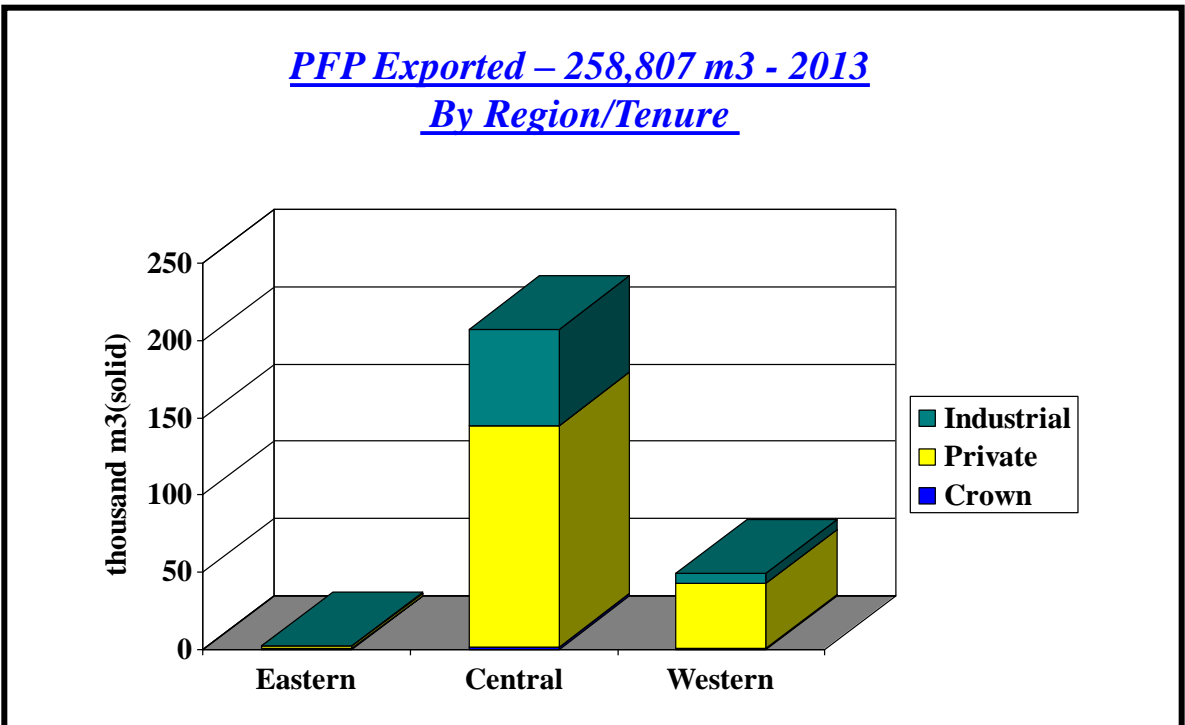


Fig.17

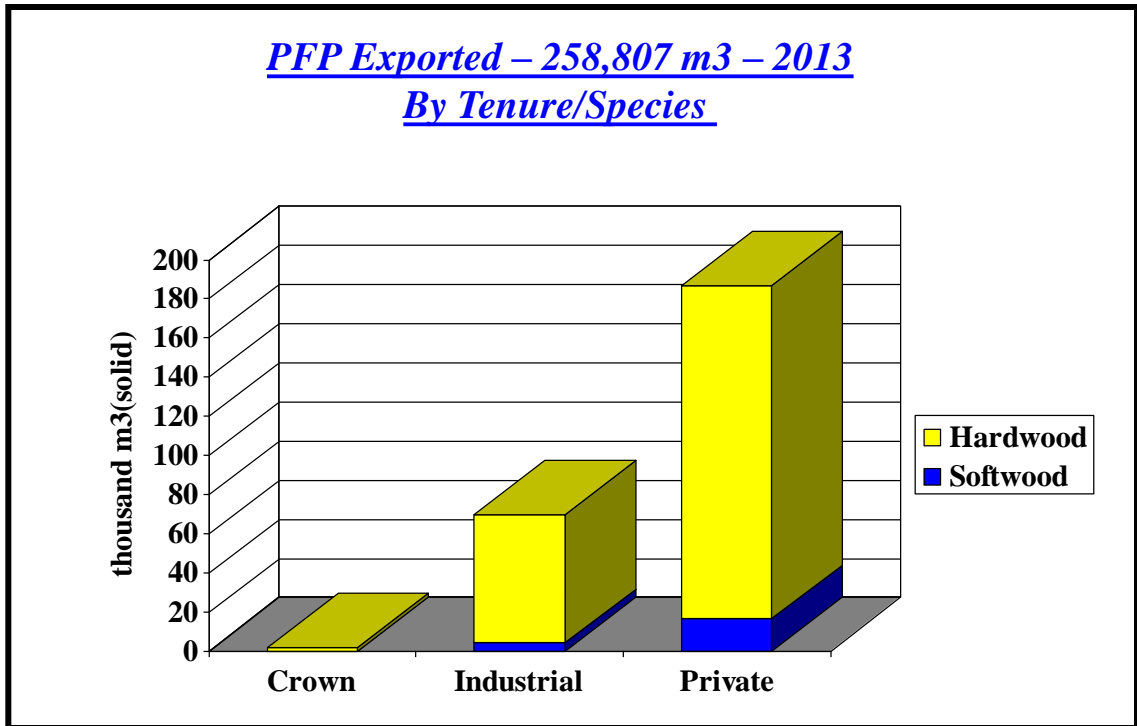


Fig.18

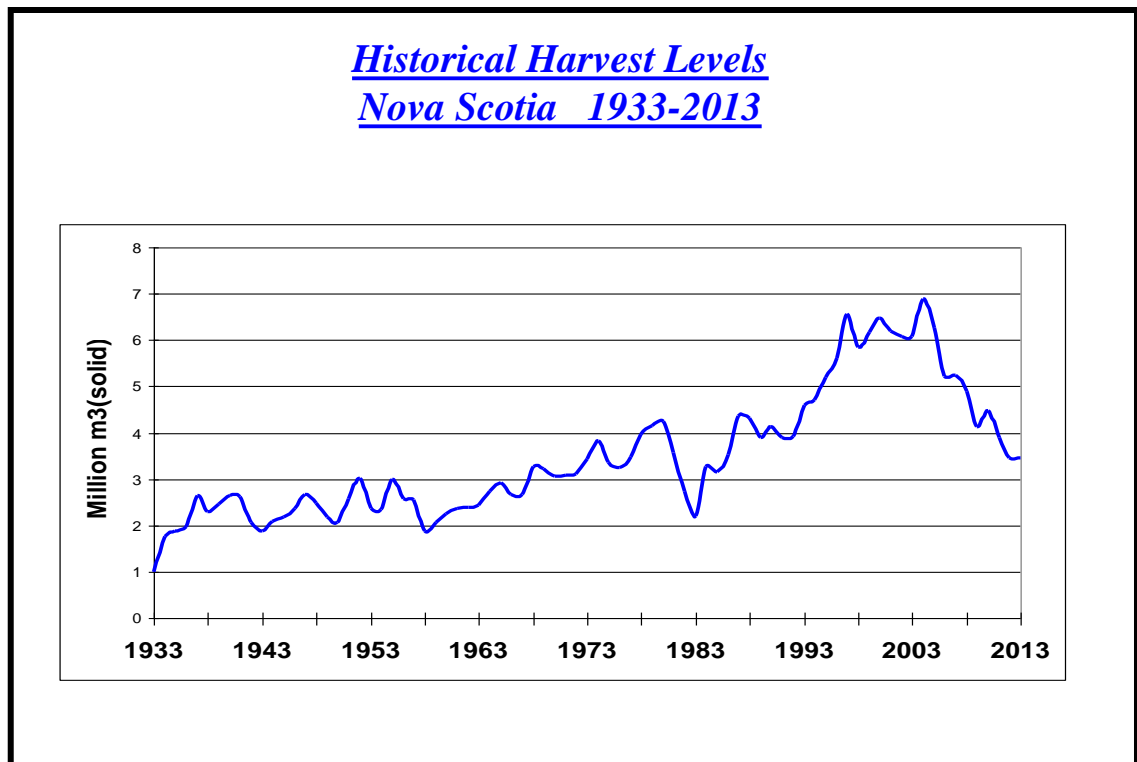


Fig.19

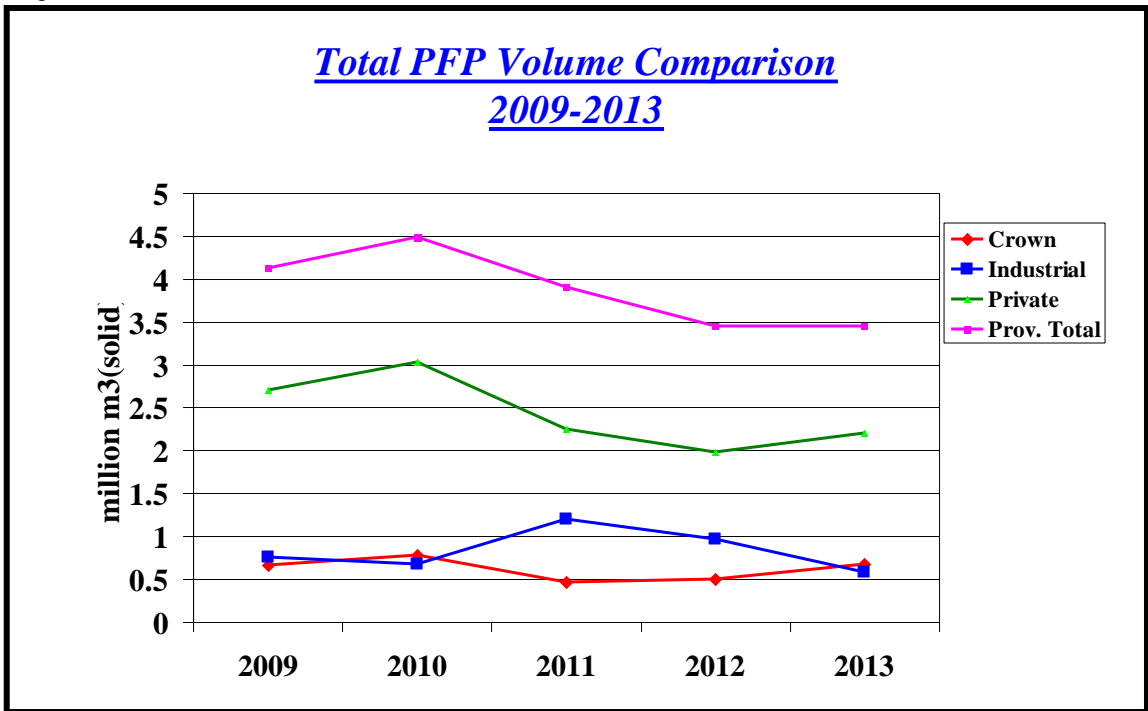


Fig.20

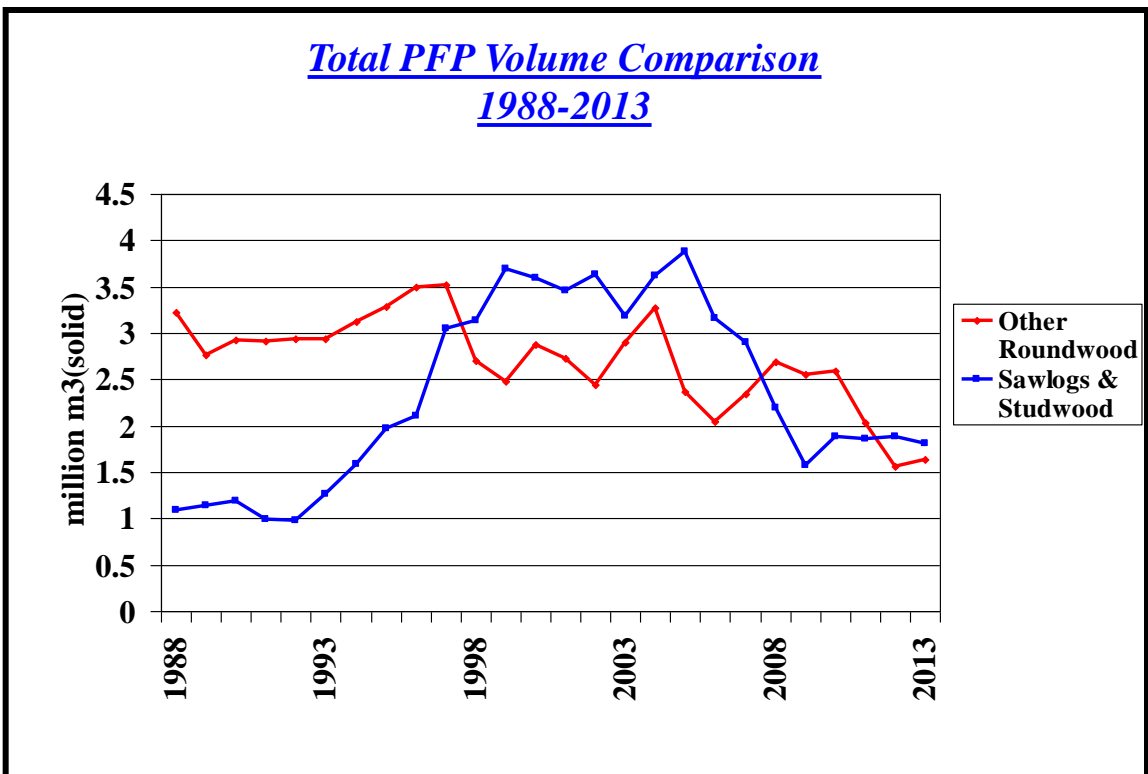


Fig.21

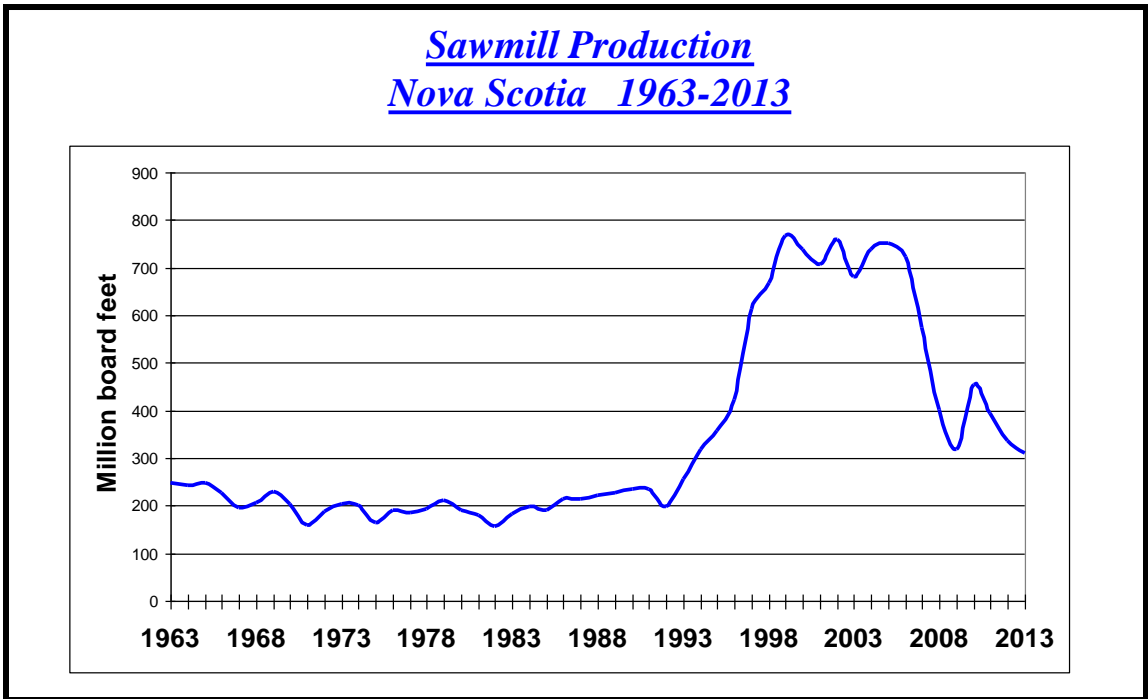
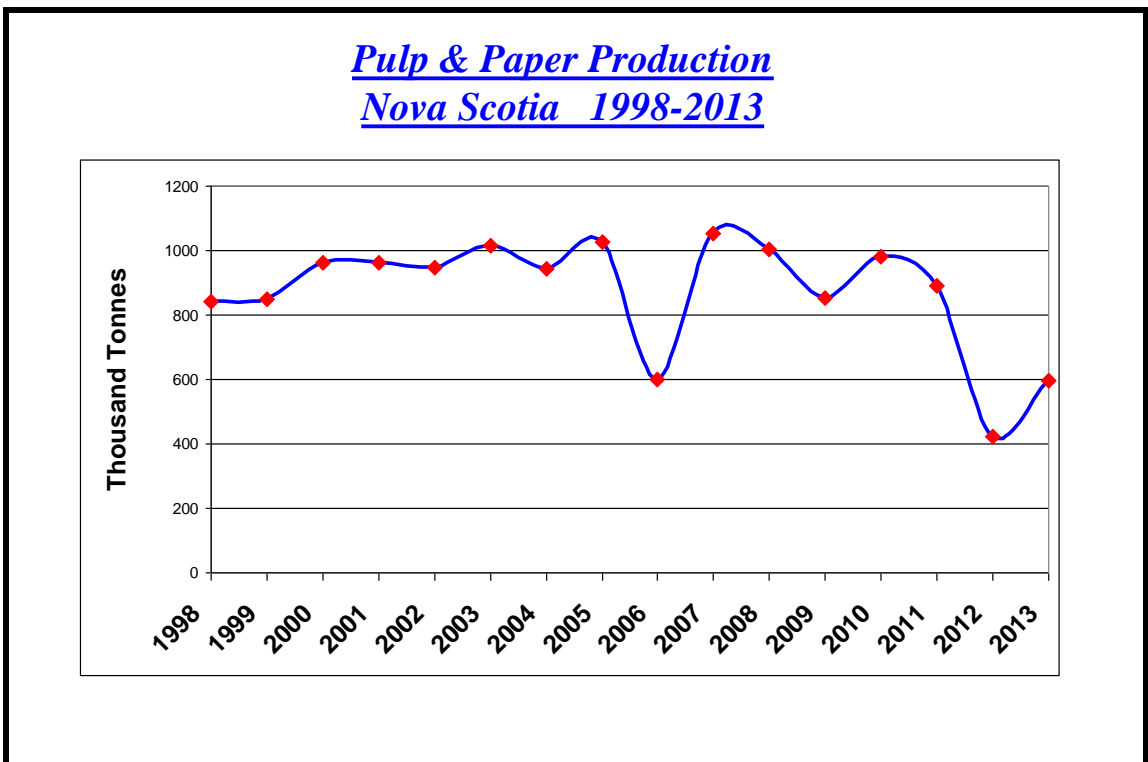


Fig.22



Part 2

WOOD ACQUISITION PLAN PROGRAM

SUMMARY - 2013

The Wood Acquisition Plan (WAP) Program required by the Forest Sustainability Regulations, completed its 14th year of operation in 2013. All Registered Buyers who, in 2013, 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, 2014 for the volume of wood they acquired.

The volumes for 2013 that required a WAP totaled 2,682,436 cubic metres, accounting for 78% 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 6,919,886 silviculture credits were required to be submitted for the 2,682,436 cubic metres of wood Registered Buyers acquired. Table 1 also shows that the Registered Buyers submitted a total (including associated administrative credits) of 7,004,648 silviculture credits.

There were 25 Registered Buyers with approved WAP's in 2013. This resulted in 16,599 hectares of silviculture treatments being submitted. Multiple buyers made contributions to the Sustainable Forest Fund which amounted to \$72,895.

Table 2 of the summary shows 16,599 hectares of silviculture being submitted, equating to 6,304,246 credits (not including Admin). With regards to silviculture credits claimed, Category 5, Density Control and Release in Natural Stands made up 26% of the total credits claimed. Next was Category 2a, Plantation Establishment, at 25%. Followed by Category 3, Early Competition Control, at 21% and Category 4, Density Control and Release in Plantations, at 17%. These four silviculture treatments made up 89% of all silviculture credits claimed in 2013.

Table 3 summarizes the silviculture credits submitted by specie type and Table 4 summarizes the completed silviculture by category and tenure class.

A summary of completed silviculture area claimed in year 2013 by silviculture category, ownership and specie type (see Table 5) indicates that submitted softwood and hardwood treatment area was 87% and 13% respectively.

Table 1. SUMMARY OF WOOD ACQUISITION PLAN REQUIREMENTS AND SILVICULTURE BY TENURE – 2013

Tenure	Species	Wood Acquisition (m3)	Required Silviculture Credit Value 2013	Completed Silviculture Credit Value 2013 (+ Admin)
Industrial	Softwood	450,972	1,352,874	2,048,612
Industrial	Hardwood	119,184	71,443	129,250
Sub Total		570,156	1,424,317	2,177,862
Private	Softwood	1,788,548	5,319,123	4,615,328
Private	Hardwood	323,723	176,446	211,458
Sub Total		2,112,280	5,495,569	4,826,786
TOTAL		2,682,436	6,919,886	7,004,648
Total Administrative Credits Applied				700,402
Net Completed Silviculture Credit Value				6,304,246

Fig. 1

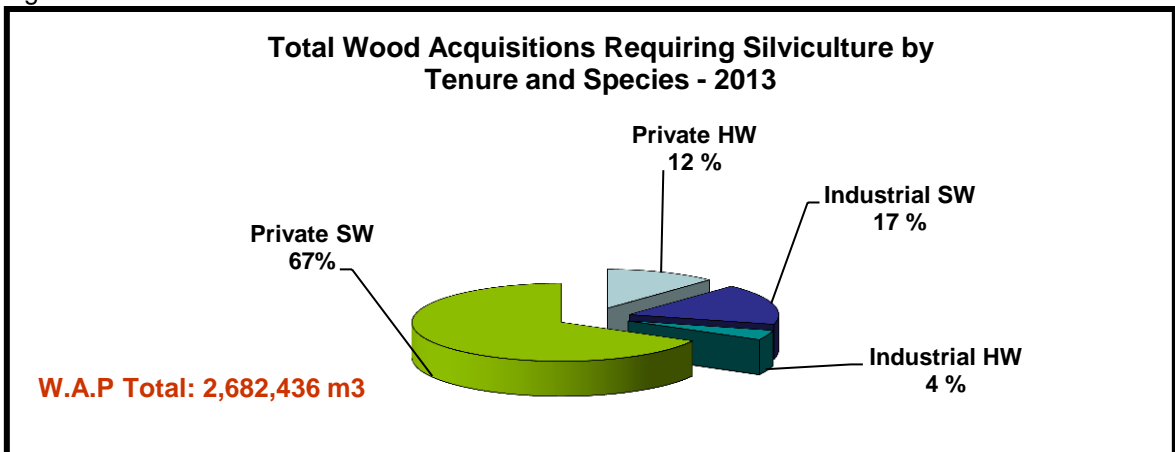
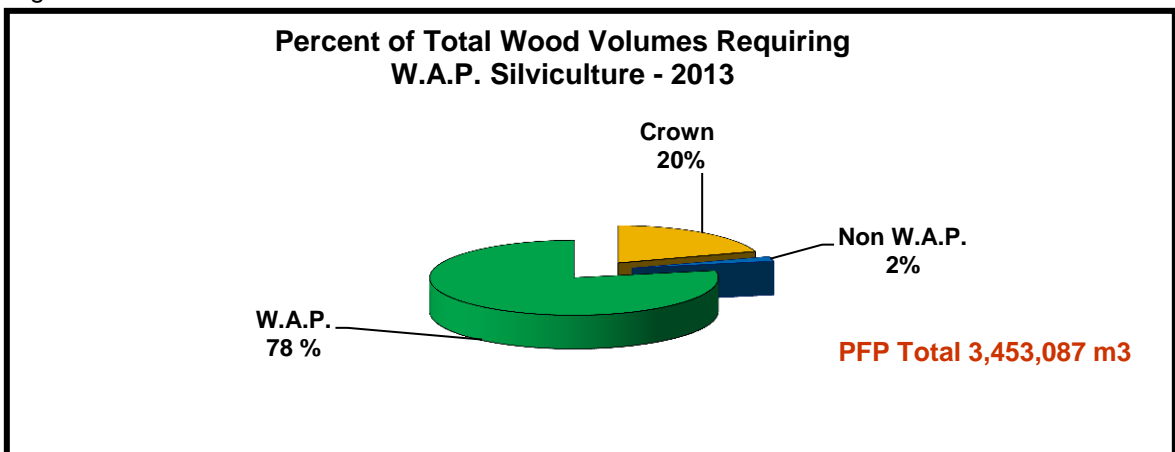


Fig. 2



**TABLE 2. SUMMARY OF COMPLETED SILVICULTURE BY
CATEGORY, AREA AND CREDIT VALUE - 2013**

Category	Area (hectares) (%)	Credit Value (%)
1a. Natural Regeneration Establishment < 300/ ha	2,891 (17)	202,336 (3)
1b. Natural Regeneration Establishment >= 300/ha	0	0
2a. Established Plantation	2, 622 (16)	1,573,254 (25)
2b. Intensive Plantation	1,881 (11)	282,203 (4)
3. Early Competition Control: Plantation & Natural	4,368 (26)	1,310,481 (21)
4. Density Control & Release; Plantations	2,339 (14)	1,052,460 (17)
5. Density Control & Release; Natural Stand	2,042 (12)	1,633,848 (26)
6. Commercially Thinned	253 (2)	139,205 (2)
7. Quality Improvement: (a) Crop Trees Released	2 (<1)	567 (<1)
(b) Crop Trees Pruned	2 (<1)	453 (<1)
(c) Selection Managed	199 (2)	109, 439 (2)
TOTALS	16,599	6,304,246

Fig. 3

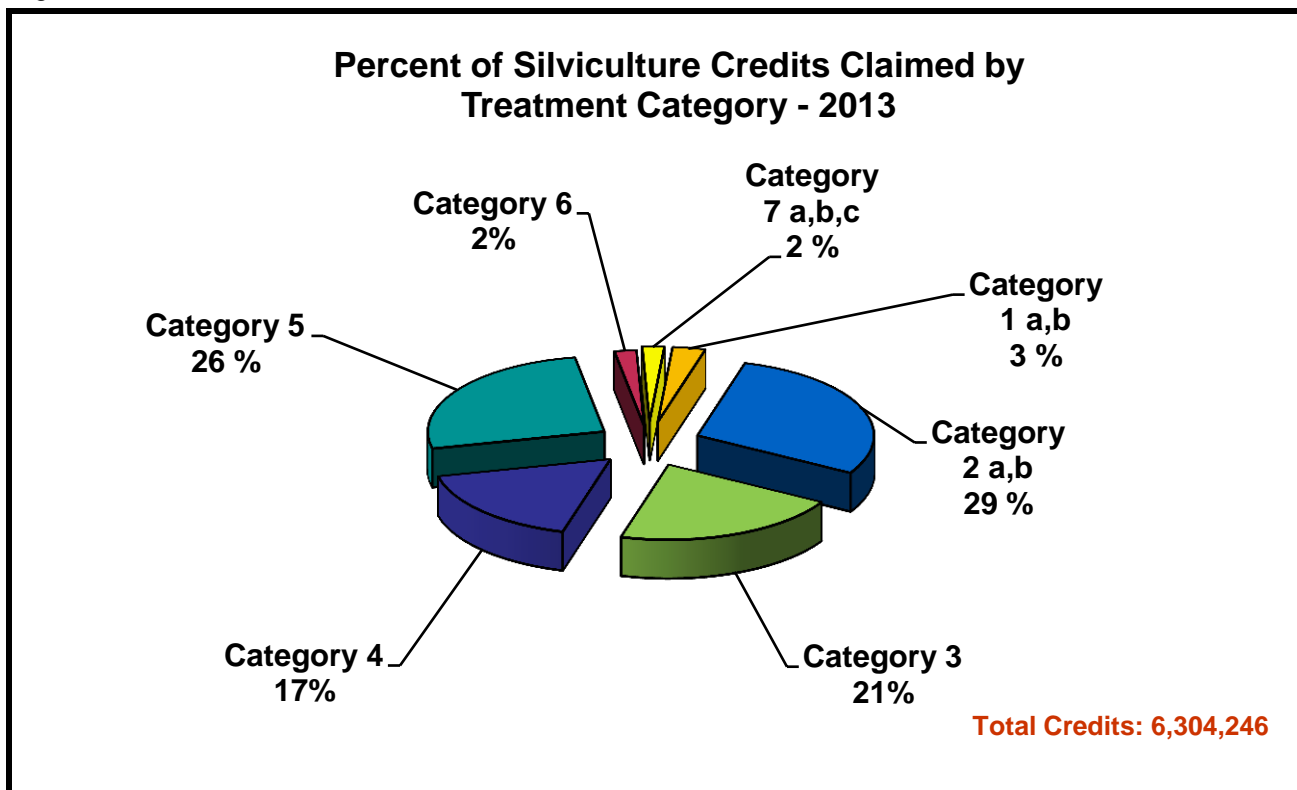


TABLE 3. SUMMARY OF COMPLETED SILVICULTURE BY SPECIES TYPE AND CREDIT VALUE - 2013

Species Type	Credit value (+ Admin)	% of Total
Softwood	6,663,940	95%
Hardwood	340,708	5%
TOTAL	7,004,648	100%

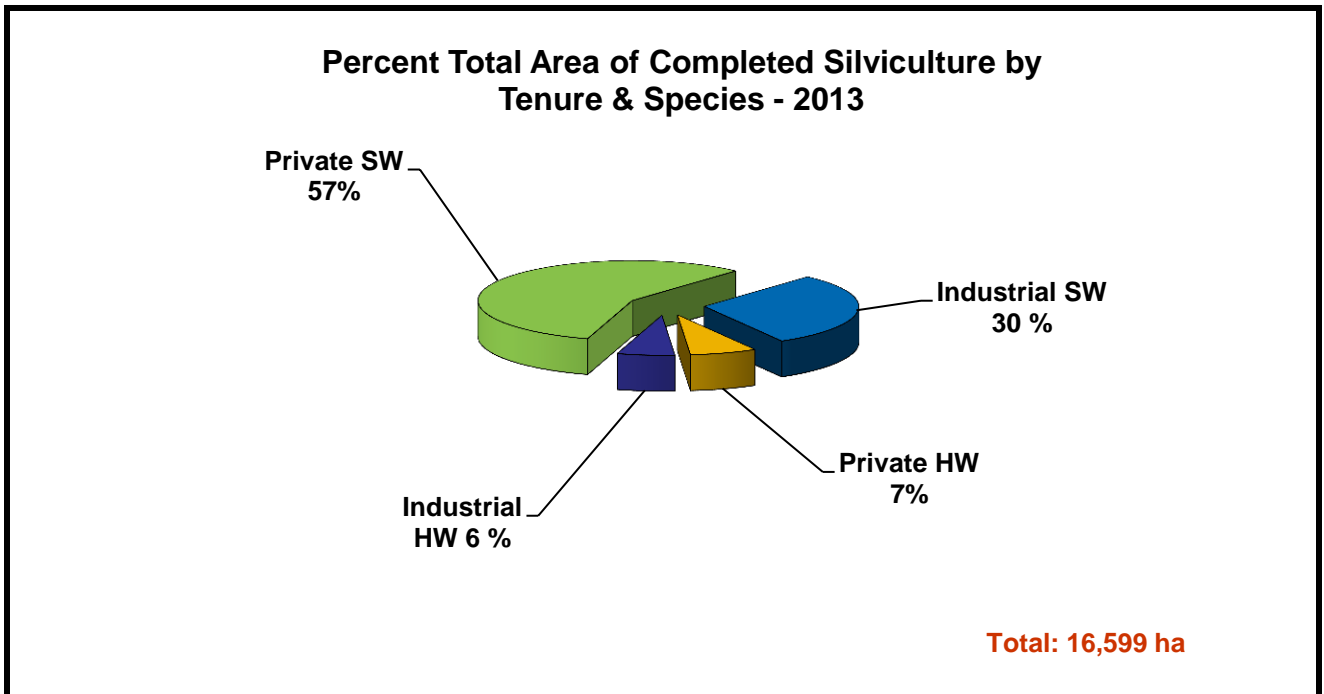
TABLE 4. SUMMARY OF COMPLETED SILVICULTURE BY CATEGORY AND TENURE CLASS - 2013

Category	Credit Value	
	Industrial	Private
1a. Natural Regeneration Establishment < 300/ ha	86,891	115,445
1b. Natural Regeneration Establishment >= 300/ ha	0	0
2a. Plantation Establishment	682,074	891,180
2b. Intensive Plantation	132,765	149,438
3. Early Competition Control: Plantation & Natural	485,430	825,051
4. Density Control & Release; Plantation	361,575	690,885
5. Density Control & Release; Natural Stands	140,080	1,493,768
6. Commercially Thinned	20,845	118,360
7. Quality Improvement: (a) Crop Trees Released	0	567
(b) Crop Trees Pruned	0	453
(c) Selection Managed	50,435	59,004
Totals	1,960,095	4,344,151
	6,304,246	

**TABLE 5. SUMMARY OF COMPLETED SILVICULTURE AREA (ha)
BY CATEGORY AND TENURE CLASS - 2013**

Category	Area Treated (ha) by Tenure /Species			
	Industrial Softwood	Private Softwood	Industrial Hardwood	Private Hardwood
1a. Natural Regeneration Establishment <300/ha	300	631	941	1,018
1b. Natural Regeneration Establishment >=300/ha	0	0	0	0
2a. Established Plantation	1,137	1,485	0	0
2b. Intensive Plantation	885	996	0	0
3. Early Competition Control: Plantation & Natural	1,618	2,750	0	0
4. Density Control & Release; Plantation	804	1,535	0	0
5. Density Control & Release; Natural Stand	175	1,793	0	75
6. Commercially Thinned	38	199	0	16
7. Quality Improvement: (a) Crop Trees Released	0	0	0	2
(b) Crop Trees Pruned	0	0	0	1
(c) Selection Managed	0	17	92	90
TOTAL AREA BY TENURE/SPECIES	4,956	9,407	1,033	1,202
TOTAL AREA BY SPECIES	14,364		2,235	
TOTAL AREA	16,599			

Fig. 4



PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM TONNES TO M3 SOLID
FOR SOFTWOOD SPECIES

Primary Wood Product	Species	Weight In Tonnes	Multiply	Conversion Factor	Volume In m3
Sawlogs	Mixed sw	1	X	1.167	1.167
All Products	Red Pine	1	X	0.968	0.968
All Products	Hemlock	1	X	1.026	1.026
All Products	Larch	1	X	1.033	1.033
All Products	White Pine	1	X	1.110	1.110
Pulpwood	Mixed sw	1	X	1.167	1.167
Fuelwood	Mixed sw	1	X	1.167	1.167
Studwood	Mixed sw	1	X	1.167	1.167
Lathwood	Mixed sw	1	X	1.167	1.167
Pulp Chips (Roadside Chipping)	Mixed sw	1	X	1.269	1.269
Fuel Chips (Whole Tree Chipping)	Mixed sw	1	X	0.817	0.817
Poles and Pilings	Red Pine	1	X	0.968	0.968

PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM TONNES TO M3 SOLID
FOR HARDWOOD SPECIES

Primary Wood Product	Species	Weight In Tonnes	Multiply	Conversion Factor	Volume In m3
Sawlogs	Mixed hw	1	X	0.963	0.963
Boltwood	Mixed hw	1	X	0.963	0.963
Pulpwood	Mixed hw	1	X	0.963	0.963
Fuelwood	Mixed hw	1	X	0.963	0.963
Palletwood	Mixed hw	1	X	0.963	0.963
Spoolwood	Mixed hw	1	X	0.963	0.963
Pulp Chips (Roadside Chipping)	Mixed hw	1	X	1.070	1.070
Fuel Chips (Whole Tree Chipping)	Mixed hw	1	X	0.674	0.674
Veneer Logs	Mixed hw	1	X	0.963	0.963
All Products	Aspen	1	X	1.095	1.095

PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM STACKED M3 TO M3 SOLID
FOR SOFTWOOD SPECIES

Primary Wood Product	Species	Stacked m3	Multiply	Conversion Factor	Volume In m3
Studwood (8'+ trim)	Mixed sw	1	X	0.641	0.641
Studwood (10'+ trim)	Mixed sw	1	X	0.625	0.625
Pulpwood (8')	Mixed sw	1	X	0.609	0.609
Fuelwood (8')	Mixed sw	1	X	0.609	0.609
Pulpwood (4')	Mixed sw	1	X	0.664	0.664
Fuelwood (4')	Mixed sw	1	X	0.664	0.664
Lathwood (4')	Mixed sw	1	X	0.664	0.664

PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM STACKED M3 TO M3 SOLID
FOR HARDWOOD SPECIES

Primary Wood Product	Species	Stacked m3	Multiply	Conversion Factor	Volume In m3
Palletwood (8')	Mixed hw	1	X	0.609	0.609
Pulpwood (8')	Mixed hw	1	X	0.531	0.531
Fuelwood (8')	Mixed hw	1	X	0.531	0.531
Boltwood (4')	Mixed hw	1	X	0.664	0.664
Spoolwood (4')	Mixed hw	1	X	0.664	0.664

PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM CORDS TO M3 SOLID
FOR SOFTWOOD SPECIES

Primary Wood Product	Species	Cords	Multiply	Conversion Factor	Volume in m3
Studwood (8' + trim)	Mixed sw	1	X	2.322	2.322
Studwood (10' + trim)	Mixed sw	1	X	2.265	2.265
Pulpwood (8')	Mixed sw	1	X	2.209	2.209
Fuelwood (8')	Mixed sw	1	X	2.209	2.209
Pulpwood (4')	Mixed sw	1	X	2.407	2.407
Fuelwood (4')	Mixed sw	1	X	2.407	2.407
Lathwood (4')	Mixed sw	1	X	2.407	2.407

PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM CORDS TO M3 SOLID
FOR HARDWOOD SPECIES

Primary Wood Product	Species	Cords	Multiply	Conversion Factor	Volume In m3
Palletwood (8')	Mixed hw	1	X	2.209	2.209
Pulpwood (8')	Mixed hw	1	X	1.926	1.926
Fuelwood (8')	Mixed hw	1	X	1.926	1.926
Boltwood (4')	Mixed hw	1	X	2.407	2.407
Spoolwood (4')	Mixed hw	1	X	2.407	2.407

PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM fbm (New Brunswick Log Rule) TO M3 SOLID
FOR SOFTWOOD SPECIES

Primary Wood Product	Species	fbm	Multiply	Conversion Factor	Volume in m3
Sawlogs	Mixed sw	1	X	0.005663	0.005663
Veneer Logs	Mixed sw	1	X	0.005663	0.005663
Poles and Pilings	Mixed sw	1	X	0.005663	0.005663

PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM fbm (New Brunswick Log Rule) TO M3 SOLID
FOR HARDWOOD SPECIES

Primary Wood Product	Species	fbm	Multiply	Conversion Factor	Volume in m3
Sawlogs	Mixed hw	1	X	0.005663	0.005663
Veneer Logs	Mixed hw	1	X	0.005663	0.005663
Palletwood	Mixed hw	1	X	0.005663	0.005663

PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM mfbm (New Brunswick Log Rule) TO M3 SOLID
FOR SOFTWOOD SPECIES

Primary Wood Product	Species	mfbm	Multiply	Conversion Factor	Volume in m3
Sawlogs	Mixed sw	1	X	5.663	5.663
Veneer Logs	Mixed sw	1	X	5.663	5.663
Poles and Pilings	Mixed sw	1	X	5.663	5.663

PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM mfbm (New Brunswick Log Rule) TO M3 SOLID
FOR HARDWOOD SPECIES

Primary Wood Product	Species	mfbm	Multiply	Conversion Factor	Volume in m3
Sawlogs	Mixed hw	1	X	5.663	5.663
Veneer Logs	Mixed hw	1	X	5.663	5.663
Palletwood	Mixed hw	1	X	5.663	5.663

PRIMARY WOOD PRODUCTS
CONVERSION FACTORS FROM NO. OF PIECES TO M3 SOLID
FOR SOFTWOOD SPECIES

Primary Wood Product	Species	No. of Pieces	Multiply	Conversion Factor	Volume In m3
Fence Rails	Mixed sw	1	X	0.0227	0.0227
Fence Posts (6.5')	Mixed sw	1	X	0.0222	0.0222
Fence Posts (8')	Mixed sw	1	X	0.0321	0.0321
Landscape Ties (8')	Mixed sw	1	X	0.0321	0.0321