

1990 Woodprocessor Report

including Import/Export Information

*Data collected under the provisions of
Title 12 MRSA Section 8884*



Forest Information Center
SHS#22 Augusta, Maine 04333

What is in this report?

This report shows the volume of roundwood that was processed by Maine mills and Whole-Tree Chippers during 1990.

- Tables display woodflow details for: Sawlogs; Pulpwood; Biomass Chips; and *Imports and Exports*.
- Sawlogs and Pulpwood figures appear in a *species-by-county* matrix.
- Biomass figures appear by county.
- Imports and export figures are tallied by species only.

How was this information collected?

The Maine Forest Service (MFS) collects information on woodflow through the Annual Woodprocessor Report (under the provisions of 12MRSA § 8884. The information contained in this report is based on the 1990 woodprocessor reporting forms.

For 1990, reporting forms were sent to 438 *primary processing mills*, 70 *whole tree chipper operators*, 71 *loggers and brokers who export*, and to 77 *mills* that burn some form of wood for heat for energy. These businesses report volumes processed or burned by species and county of origin.

Millowners who failed to file a report were referred for enforcement action.

What is the purpose of the Woodprocessor Report

Each year, the Maine Forest Service collects information from Maine primary woodprocessors regarding the volumes of roundwood processed in Maine. Volume information contained in these reports is confidential and **by law shall not be made public except that summary reports may be published that uses aggregated data which do not reveal the activities of an individual person or firm.** Information in this database is tabulated and used for additional purposes as well.

Definitions and notes

1. **Sawlogs.** Includes sawlogs, palletwood, boltwood and veneer.
2. **Thousand board feet (MBF).** One thousand board feet. One *board foot* is a piece of wood 1" thick by 12" long by 12" wide.
3. **Pulpwood.** Includes: tree length; long length; 4', 8', 16'; bole &/or stem chips converted to cords for comparison with previous figures.
4. **Cords (cds).** (MFS Rules Chapter 20 Definition). A "cord" is a unit of measure of wood products 4 feet wide, 4 feet high, and 8 feet long, or its equivalent, containing 128 cubic feet when the wood is ranked and well stowed. Any voids that will accommodate a stick, log or bolt of average dimensions to those in the pile shall be deducted from the measured volume.
5. **Bole Chips** or **stem chips** are the chips made in the woods from the stem portion of the tree without branches or crown. These chips may have bark mixed in (measured in either green or dry {bone dry} tons).
6. **Whole-tree chips** are the chips made from the entire above-ground portion of the tree (measured in either green or dry {bone dry} tons).
7. **Hog fuel.** is any woody residue from the woods or mills (such as sawdust, bark, and shavings) and can be biomass chips (measured in either green or dry {bone dry} tons).
8. **Mill residues** are clean, pulp quality chips, made from slabs and edgings at sawmills, etc. Measured in green tons, mill residues come from the sawlog component of the volumes reported and therefore are not drain figures. They do make up a part of the volumes of fiber used to make pulp and should be added to the volume of pulpwood to get the total amount of wood used to make paper.

Interpreting Harvest, Export, Import, and Processed by Maine Forest Products Industry

- Maine wood processed is wood that was cut from the stump in Maine.
 - Exported from Maine without processing is wood that was reported as being exported *out of the state* without primary processing by a Maine mill or whole-tree chipper.
 - Imported from out-of-state for processing is wood that is imported from *out of state* (not harvested in Maine) and primary-processed by a Maine mill.
 - Total processed by Maine Forest Products Industry is the amount of wood that was primary-processed in Maine regardless of origin.
- Pulpwood figures include pulp quality bole or stem chips that are produced by many of Maine's *whole tree chipper operators*. These *chippers* also produce biomass which is burned for energy by many mills and wood-fired electrical generating facilities.
 - Conversions: 1 MBF = 2 cords 1 cord = 2.5 green tons

Notes on reading this report.

This woodprocessor report is arranged so that you can look up volumes by county, imports, exports, and state totals. Maine's sixteen counties are listed here.

Androscoggin	Hancock	Oxford	Somerset
Aroostook	Kennebec	Penobscot	Waldo
Cumberland	Knox	Piscataquis	Washington
Franklin	Oxford	Sagadahoc	York

The information provided for each county is organized into three (3) major product sections.

Product	*Measurement
Sawlogs	MBF
Pulpwood	cords
Biomass Chips	green tons

**Note: Volumes also appear as cords (on the summary page) for the purpose of having a common denominator for comparison and a for calculating grand totals across product types.*

Notes on reading this report.

Woodflow is tallied by: Sawlogs; Pulpwood; and, Whole Tree Chips and Biomass Chips

Sawlog Species in this report

Softwood	Spruce& Fir	White Pine	Red Pine	Hemlock	Other Softwood				
Hardwood	Beech	White Birch	Yellow Birch	Sugar Maple	Red Maple	Oak (red, white)	Ash	Aspen	Other Hardwood

Pulpwood Species in this report

Softwood	Spruce& Fir	White Pine	Red Pine	Hemlock	Other Softwood
Hardwood	Aspen	Other Hardwood			

Biomass Chips in this report

All Species

Summary: Woodflow in Maine as Reported to the Maine Forest Service for 1990

Product		Harvest Export, Import & Processed by Maine Forest Products Industries	Total Volume in 1990	Volumes converted to cords
Sawlogs (in MBF) 1 MBF = 1000 board feet	a	Maine wood processed	861,314	1,722,628
	b	Exported from Maine without processing	147,842	295,684
	c	Total harvested from Maine forests (a + b = c)	1,009,156	2,018,312
	d	Imported from out of state	99,252	198,504
	e	Total processed by Maine Forest Products Industry (a + d = e)	960,566	1,921,132
Pulpwood (in cords)	a	Maine wood processed	3,216,242	3,216,242
	b	Exported from Maine without processing	18,256	18,256
	c	Total harvested from Maine forests (a + b = c)	3,234,498	3,234,498
	d	Imported from out of state	840,198	840,198
	e	Total processed by Maine Forest Products Industry (a + d = e)	4,056,440	4,056,440
Biomass Chips (in green tons)	a	Maine wood processed	1,652,332	660,933
	b	Exported from Maine without processing	56,410	22,564
	c	Total harvested from Maine forests (a + b = c)	1,708,742	683,497
	d	Imported from out of state	0	0
	e	Total processed by Maine Forest Products Industry (a + d = e)	1,652,332	660,933
Totals	a	Maine wood processed		5,599,803
	b	Exported from Maine without processing		336,504
	c	Total harvested from Maine forests (a + b = c)		5,936,307
	d	Imported from out of state		1,038,702
	e	Total processed by Maine Forest Products Industry (a + d = e)		6,638,505

Note on conversions -- Sawlogs: 1 mbf = 2 cords Whole Tree Chips & Biomass: 1 cord = 2.5 green tons

Sawlogs Woodflow in Maine as Reported to the Maine Forest Service (converted to MBF)

County	Softwood						Hardwood										Grand Total
	Spruce & Fir	White Pine	Red Pine	Hem-lock	Other soft	Total softwood	Beech	White Birch	Yellow Birch	Sugar Maple	Red Maple	Oak	Ash	Aspen	Other hardwood	Total hardwood	
Androscoggin	202	7,261	69	2,877	9	10,418	200	941	149	391	118	619	82	152	13	2,665	13,083
Aroostook	140,963	6,494	172	5,778	12,650	166,057	538	1,280	770	3,396	3,188	10	1,914	77,982	705	89,783	255,840
Cumberland	104	13,727	71	815	1	14,718	97	460	115	108	186	511	63	3	0	1,543	16,261
Franklin	13,947	7,969	46	1,792	621	24,375	1,340	4,433	3,434	5,963	1,596	1,398	757	689	77	19,687	44,062
Hancock	24,436	6,101	141	8,306	273	39,257	0	840	104	107	107	151	281	1,395	5	2,990	42,247
Kennebec	1,701	9,173	42	2,205	40	13,161	219	915	172	1,488	512	2,060	612	98	6	6,082	19,243
Knox	647	1,332	0	116	43	2,138	3	415	40	18	20	288	20	14	0	818	2,956
Lincoln	619	6,213	642	1,086	12	8,572	0	220	30	0	13	268	119	0	0	650	9,222
Oxford	10,351	22,107	168	4,299	5	36,930	2,267	5,220	2,095	3,189	994	5,137	1,599	266	343	21,110	58,040
Penobscot	36,947	8,370	122	23,412	5,070	73,921	1,024	4,925	1,214	2,120	923	258	1,046	21,432	238	33,180	107,101
Piscataquis	73,815	6,852	27	11,791	977	93,462	781	3,772	2,328	4,246	2,996	154	1,285	5,323	87	20,972	114,434
Sagadahoc	18	2,189	5	610	0	2,822	0	73	2	2	0	108	6	2	3	196	3,018
Somerset	18,043	16,704	375	2,862	3,509	41,493	950	5,983	3,020	8,235	1,905	602	706	756	11	22,168	63,661
Waldo	364	7,952	44	1,055	204	9,619	0	1,218	29	41	42	593	90	62	0	2,075	11,694
Washington	65,460	10,165	125	3,322	668	79,740	57	533	441	234	112	26	198	5,152	0	6,753	86,493
York	131	12,274	58	959	4	13,426	15	89	12	30	30	318	15	5	19	533	13,959
Maine wood processed	387,748	144,883	2,107	71,285	24,086	630,109	7,491	31,317	13,955	29,568	12,742	12,501	8,793	113,331	1,507	231,205	861,314
+ Exported from Maine without processing	102,101	7,673	1,687	8,910	3,910	124,281	300	1,235	1,440	10,522	1,365	5,250	1,544	348	1,557	23,561	147,842
= Total harvested	489,849	152,556	3,794	80,195	27,996	754,390	7,791	32,552	15,395	40,090	14,107	17,751	10,337	113,679	3,064	254,766	1,009,156
+ Imported from out of state	31,451	17,525	78	2,084	1,658	52,796	279	8,447	1,538	3,143	601	1,383	626	30,174	265	46,456	99,252
Total processed by Maine Forest Products Industry	419,199	162,408	2,185	73,369	25,744	682,905	7,770	39,764	15,493	32,711	13,343	13,884	9,419	143,505	1,772	277,661	960,566

Notes: 1. Sawtimber includes, sawlogs, veneer, boltwood, and pallet-wood. Cords converted to MBF @ 2 cords = 1 MBF.

2. The majority of *other softwood* is cedar, with some larch, pitch pine, and a few *others*..

1990 Woodprocessor Report: Forest Information Center, Maine Forest Service, 9/21/92

Pulpwood Woodflow in Maine as Reported to the Maine Forest Service (converted to cords)

County	Softwood						Hardwood			All
	Spruce & Fir	White Pine	Red Pine	Hemlock	Other softwood ²	Total pulpwood	Aspen ³	Other hardwood ⁴	Total roundwood	Grand Total
Androscoggin	3,032	31,096	0	6,064	940	41,132	2,512	10,119	12,631	53,763
Aroostook	156,175	602	46	14,923	104,000	275,746	8,637	125,609	134,246	409,992
Cumberland	1,895	16,288	0	8,026	3,074	29,283	1,040	11,102	12,142	41,425
Franklin	66,820	9,796	0	9,955	7,643	94,214	17,950	119,094	137,044	231,258
Hancock	52,351	2,397	29	19,081	5,976	79,834	2,505	29,247	31,752	111,586
Kennebec	10,973	24,690	81	16,686	19,618	72,048	3,766	31,125	34,891	106,939
Knox	19,366	6,921	0	4,404	0	30,691	284	4,876	5,160	35,851
Lincoln	7,527	12,289	34	3,999	98	23,947	384	3,338	3,722	27,669
Oxford	52,993	31,774	0	27,846	7,121	119,734	22,977	132,434	155,411	275,145
Penobscot	117,831	22,620	270	78,163	24,645	243,529	9,652	177,518	187,170	430,699
Piscataquis	227,539	8,165	9	23,746	24,119	283,578	4,031	165,252	169,283	452,861
Sagadahoc	818	4,355	0	1,153	120	6,446	370	1,011	1,381	7,827
Somerset	243,919	12,846	1,251	23,625	17,018	298,659	6,641	218,389	225,030	523,689
Waldo	43,377	10,299	427	12,430	325	66,858	1,551	24,345	25,896	92,754
Washington	83,218	3,212	259	56,454	14,153	157,296	934	214,837	215,771	373,067
York	669	24,416	0	2,340	5,719	33,144	81	8,492	8,573	41,717
Maine wood processed	1,088,503	221,766	2,406	308,895	234,569	1,856,139	83,315	1,276,788	1,360,103	3,216,242
+ Exported from Maine without processing	3,925	0	0	0	7,958	11,883	868	5,505	6,373	18,256
= Total harvested from Maine forests	1,092,428	221,766	2,406	308,895	242,527	1,868,022	84,183	1,282,293	1,366,476	3,234,498
+ Imported from out of state	217,431	73,909	76	12,737	357,234	661,387	45,383	133,428	178,811	840,198
Total processed by Maine Forest Products Industry	1,305,934	295,675	2,482	321,632	591,803	2,517,526	128,698	1,410,216	1,538,914	4,056,440

Notes

1. Detailed information on bole chips species is not available for 1990.
2. Other softwood is comprised mostly of bole chips
3. Aspen volumes are based on pure loads.
4. Mixed hardwood loads cannot be separately identified.
5. **Mill residues:** 2,026,307 green tons of mill residues were obtained from Maine *sawmills*, *boltermills*, and for manufacture into pulp. These figures are not included in the pulpwood volumes presented elsewhere in this report. This does not represent a drain on the forest resource; but rather, a further utilization of wood already included in the tally.

Biomass Chips Woodflow in Maine as Reported to the Maine Forest Service (in green tons)

harvest plus exports	All species
Androscoggin	30,419
Aroostook	247,949
Cumberland	57,348
Franklin	96,591
Hancock	127,092
Kennebec	21,677
Knox	0
Lincoln	38,411
Oxford	96,405
Penobscot	174,808
Piscataquis	102,637
Sagadahoc	5,624
Somerset	380,794
Waldo	22,995
Washington	167,984
York	81,598
Maine wood processed	1,652,332
+ Exported from Maine	56,410
= Total harvested from Maine forests	1,708,742
+ Imported from	0
Total processed by Maine	1,652,332

Note: The wood to energy plants in Maine reported using 561,204 tons of biomass/hog fuel of which 280,570 tons were imported from out of state. For a definition of hog fuel, see the definitions and notes section of this report.

1990 Woodprocessor Report:

Forest Information Center, Maine Forest Service, 9/21/92

1990

Wood Import and Exports

Origins and Destinations

To and From the State of Maine

Import Origins	Export Destinations
Connecticut Massachusetts New Hampshire Rhode Island Vermont	Massachusetts Michigan New Hampshire Vermont
Canada New Brunswick Quebec	Canada New Brunswick Quebec Japan Turkey

Please send your comments, additions, or corrections to the ...

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