

VERMONT FOREST RESOURCE HARVEST SUMMARY - 2003

2003 AT A GLANCE:

Major Report Categories Summarized
for 2003, 2002, 2001, 2000, 1999

Category (units)	2003	2002	2001	2000	1999
Total Harvest (cords)	913,652	791,035	823,434	1,026,759	972,623
North	562,405	430,008	433,829	658,393	625,528
South	351,247	361,026	389,604	368,366	347,094
Sawlogs (Mbf)	224,707	222,386	204,827	246,819	249,898
hardwoods	116,812	102,990	108,907	118,153	112,832
softwoods	107,895	119,396	95,920	128,666	137,066
Log Exports (Mbf)	88,249	80,412	69,390	79,154	76,139
hardwoods	34,552	20,512	25,280	19,712	23,927
softwoods	53,697	59,900	44,110	59,442	52,212
Log Imports (Mbf)	58,215	65,978	71,760	46,812	80,620
hardwoods	39,956	43,759	51,112	34,421	56,691
softwoods	18,259	22,219	20,648	12,391	23,929
Pulpwood (cords)	191,314	171,395	263,684	356,601	303,335
hardwoods	73,443	69,569	129,146	205,924	168,787
softwoods	117,871	101,826	134,538	150,677	134,548
Whole Tree Chips (gt)	183,401	199,228	101,748	193,932	121,965
pulp	*	0	0	0	*
fuel	183,401	199,228	101,748	193,932	121,965
Mills (#)	169	185	168	169	156
Consumption (Mbf)	194,777	207,952	207,197	214,746	260,855
hardwoods	122,296	126,237	134,739	133,551	145,601
softwoods	72,481	81,715	72,458	81,195	115,254
Mill Residues (gt)	221,782	237,941	187,786	195,983	203,907
pulp	59,797	80,286	93,957	125,518	98,591
fuel	161,985	157,655	93,829	70,465	105,316

* - data withheld to prevent disclosure of individual mill data.

Mbf: Thousand board feet

cds: cords

gt: green tons

VERMONT FOREST RESOURCE HARVEST SUMMARY - 2003

Summation of all products by region

Sawlogs, Veneer Logs, Pulpwood, Boltwood, and Whole Tree Chips

where 2 Cords = 1 MBF

and 2.5 Green Tons = 1 Cord

Volumes in Cords

Species	North	South	Total
Ash	8,220	14,476	22,696
Aspen/Poplar	28,974	4,082	33,056
Basswood	866	1,042	1,908
Beech	1,886	3,368	5,254
White Birch	5,388	7,594	12,982
Yellow Birch	9,984	8,662	18,646
Butternut	746	1,018	1,764
Cherry	6,110	14,774	20,884
Elm	0	10	10
Sugar Maple	48,568	33,762	82,330
Red Maple	15,180	13,334	28,514
Red Oak	11,744	15,488	27,232
White Oak	120	1,688	1,808
Other Hardwood	61,455	26,001	257,084
Total Hardwood	199,241	145,299	344,540
Hemlock	66,474	13,902	80,376
White Pine	101,032	81,045	182,077
Red Pine	1,690	1,966	3,656
Spruce/Fir	110,135	8,749	118,884
Tamarack	380	1,530	1,910
Cedar	7,366	12	7,378
Other Softwood	12,758	0	12,758
Total Softwood	299,835	107,204	407,039
Mill Residues	15,823	72,890	88,713
Whole Tree Chips	47,506	25,854	73,360
Total Harvest	562,405	351,247	913,652

- ⌘ Other Hardwood category includes volumes from other listed species.
- ⌘ Whole Tree Chips and Residues are not broken down by species in reporting
- ⌘ Firewood volume from bolewood is not included.

North: Caledonia, Essex, Franklin, Lamoille, Orange, Orleans,
Washington Counties.

South: Addison, Bennington, Chittenden, Rutland, Windham,
Windsor Counties.

Vermont Department of Forests, Parks & Recreation

EXPORT OF SAWLOGS & VENEER LOGS - 2003

(to other states and countries)

Volumes in Mbf

Exported to:

Species	Canada	Maine	Mass.	NH	NY	Overseas	Total
Ash	359	198	0	692	51	0	1,300
Aspen	0	425	0	104	632	0	1,161
Basswood	15	9	0	220	1	0	245
Beech	44	195	0	106	57	0	402
W. Birch	182	1,260	0	371	445	0	2,258
Y. Birch	1,090	395	0	1,617	78	6	3,186
Butternut	0	2	0	7	20	0	29
Cherry	194	35	0	2,031	36	0	2,296
Elm	0	0	0	0	0	0	0
S. Maple	4,759	3,687	0	3,646	370	0	12,462
R. Maple	736	2,848	0	409	80	42	4,115
R. Oak	3,291	8	0	2,223	173	0	5,695
W. Oak	44	0	0	20	619	0	683
Other HW	28	234	0	55	403	0	720
Total HW	10,742	9,296	0	11,501	2,965	48	34,552
Hemlock	4,577	16	10	461	347	0	5,411
W. Pine	7,525	611	10	7,906	757	0	16,809
R. Pine	766	59	0	86	166	0	1,077
Spruce/Fir	12,379	7,934	0	8,718	327	0	29,358
Tamarack	65	10	0	18	765	0	858
Cedar	150	0	0	19	15	0	184
Total SW	25,462	8,630	20	17,208	2,377	0	53,697
Total	36,204	17,926	20	28,709	5,342	48	88,249

Mbf

IMPORT OF SAWLOGS & VENEER LOGS - 2003

(from other states and countries)

Volumes in Mbf

Imported from:

Species	Canada	Conn.	Maine	Mass.	NH	NY	Other	Total
Ash	0	50	19	554	898	728	50	2,299
Aspen	0	0	0	42	112	81	0	235
Basswood	0	0	0	13	40	134	0	187
Beech	0	0	0	248	403	301	0	952
W. Birch	0	28	0	259	968	339	28	1,622
Y. Birch	103	27	8	372	1,641	798	177	3,126
Butternut	0	0	0	1	2	2	0	5
Cherry	35	0	3	132	146	317	120	753
Elm	0	0	0	0	0	0	0	0
S. Maple	289	21	3	525	2,691	4,567	24	8,120
R. Maple	25	0	8	588	1,866	869	75	3,431
R. Oak	0	505	647	3,941	6,279	5,214	501	17,087
W. Oak	0	0	0	0	19	67	0	86
Other HW	0	94	2	1,001	443	419	94	2,053
Total HW	452	725	690	7,676	15,508	13,836	1,069	39,956
Hemlock	0	0	0	83	150	284	0	517
W. Pine	0	0	0	1,924	6,341	8,670	0	16,935
R. Pine	0	160	0	7	2	73	0	242
Spruce/Fir	77	0	0	6	282	38	0	403
Tamarack	0	0	0	0	0	0	0	0
Cedar	162	0	0	0	0	0	0	162
Total SW	239	160	0	2,020	6,775	9,065	0	18,259
Total	691	885	690	9,696	22,283	22,901	1,069	58,215

Mbf

VERMONT PULPWOOD HARVEST - 2003

Volumes in Cords

County

Species	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
Aspen	35	15	4,360	152	3,439	35	174	2,732	3,247	511	1,743	0	399	16,842
Other HW	269	4,112	8,301	516	7,173	134	1,442	10,122	4,100	3,629	3,132	550	13,121	56,601
Total HW	304	4,127	12,661	668	10,612	169	1,616	12,854	7,347	4,140	4,875	550	13,520	73,443
Hemlock	226	346	3,858	235	677	3,625	923	5,247	9,287	1,116	2,354	1,485	2,248	31,627
W. Pine	892	853	8,318	2,131	834	5,668	3,134	7,019	782	6,880	5,779	1,774	4,457	48,521
Spruce/Fir	63	32	8,039	0	13,881	110	338	2,038	4,123	40	1,922	16	0	30,602
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other SW	0	0	1,484	0	617	427	404	1,742	1,033	0	1,414	0	0	7,121
Total SW	1,181	1,231	21,699	2,366	16,009	9,830	4,799	16,046	15,225	8,036	11,469	3,275	6,705	117,871
Total Plpwd	1,485	5,358	34,360	3,034	26,621	9,999	6,415	28,900	22,572	12,176	16,344	3,825	20,225	191,314

Cords

Vermont Department of Forests, Parks & Recreation

WOOD CHIP PRODUCTION - 2003

Sawmill Residue Shipments

Volumes in Green Tons

Product	County													Total
	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	
hardwood pulp	4,875	2,500	73	0	0	0	13,854	0	2,040	3,648	0	5,949	2,534	35,473
softwood pulp	520	0	17	0	0	0	2,320	9,148	0	12,210	0	109	0	24,324
Total Pulp	5,395	2,500	90	0	0	0	16,174	9,148	2,040	15,858	0	6,058	2,534	59,797
hardwood fuel	3,507	1,800	100	250	2,744	100	161	2,000	12	104,986	26	12,158	3,053	130,897
softwood fuel	0	13	146	15,443	0	2,940	0	220	3,650	7,150	6	20	1,500	31,088
Total Fuel	3,507	1,813	246	15,693	2,744	3,040	161	2,220	3,662	112,136	32	12,178	4,553	161,985
Total	8,902	4,313	336	15,693	2,744	3,040	16,335	11,368	5,702	127,994	32	18,236	7,087	221,782

green tons

86,495

ords

Whole Tree Chip Harvest Volumes in Green Tons

Use	County													Total
	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	
Pulp	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Fuel	2,289	312	20,101	13,734	11,866	11,445	6,109	44,536	12,781	1,525	11,927	780	45,996	183,401
Total	2,289	312	20,101	13,734	11,866	11,445	6,109	44,536	12,781	1,525	11,927	780	45,996	183,401

* - data withheld to prevent disclosure of individual mill data.

Total does not include withheld data.

green tons

NB: The data shown above do not include other mill residues used for fuel such as bark, sawdust, and shavings.

71,526

ords

Import	NH	118,352	Export	NH	68,453
	NY	140,863			
	Can	3,797			
	Other	12,840			
	Total	275,852			

DEMAND BY PRIMARY MILLS IN VERMONT - 2003

Volumes in Mbf

County	Commercial Sawmill	Small Sawmill	Specialty Mill	Veneer Mill	Totals			
					Mills	Volume	hardwood	softwood
Addison	16,029	338	*	0	14	16,607	15,656	951
Bennington	4,821	0	0	0	7	4,821	4,426	395
Caledonia	729	504	*	0	18	1,535	99	1,436
Chittenden	11,053	39	0	0	6	11,092	68	11,024
Essex	*	*	0	0	3	*	*	*
Franklin	*	435	0	0	7	*	*	*
Lamoille	14,974	134	0	0	10	15,108	12,614	2,494
Orange	11,791	1,012	0	0	11	12,803	2,350	10,453
Orleans	8,990	1,388	654	*	16	23,373	14,474	8,899
Rutland	19,372	787	3,250	*	17	34,219	20,207	14,012
Washington	423	0	0	0	10	423	39	384
Windham	36,282	1,043	*	0	22	37,376	28,611	8,765
Windsor	17,906	6,804	459	0	28	25,169	14,114	11,055
Total Mbf	153,735	12,935	4,956	23,151		194,777	122,296	72,481
# of Mills	37	121	10	2	169			

Mbf Mbf Mbf

* indicates data withheld to prevent disclosure of individual mill data.

Column sum may not equal total due to withheld data.

Small mills include farm and portable; specialty mills include bolter, clapboard, shingle, fence, and bowl

Consumption of Sawlogs & Veneer Logs by Mill Size - 2003

Mill Class & Capacity	no. of mills	2003 volume	2003 hardwood	2003 softwood	average volume	percent of total
I. over 10 MMbf	6	85,778	59,173	26,605	14,296.3	44.0%
II. 5 - 10 MMbf	8	57,275	33,877	23,398	7,159.4	29.4%
III. 2.5 - 5 MMbf	8	24,176	17,006	7,170	3,022.0	12.4%
IV. 1 - 2.5 MMbf	8	13,801	8,130	5,671	1,725.1	7.1%
V. 0.5 - 1 MMbf	8	5,774	1,678	4,096	721.8	3.0%
VI. 0.1 - 0.5 MMbf	28	6,207	2,001	4,206	221.7	3.2%
VII. under 0.1 MMbf and idle	103	1,766	431	1,335	17.1	0.9%
Total	169	194,777	122,296	72,481	1,152.5	100.0%

Mbf Mbf Mbf Mbf

Vermont Department of Forests, Parks & Recreation