

## 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
<b>Total Harvest (cords)</b>	<b>913,652</b>	<b>791,035</b>	<b>823,434</b>	<b>1,026,759</b>	<b>972,623</b>
North	562,405	430,008	433,829	658,393	625,528
South	351,247	361,026	389,604	368,366	347,094
<b>Sawlogs (Mbf)</b>	<b>224,707</b>	<b>222,386</b>	<b>204,827</b>	<b>246,819</b>	<b>249,898</b>
hardwoods	116,812	102,990	108,907	118,153	112,832
softwoods	107,895	119,396	95,920	128,666	137,066
<b>Log Exports (Mbf)</b>	<b>88,249</b>	<b>80,412</b>	<b>69,390</b>	<b>79,154</b>	<b>76,139</b>
hardwoods	34,552	20,512	25,280	19,712	23,927
softwoods	53,697	59,900	44,110	59,442	52,212
<b>Log Imports (Mbf)</b>	<b>58,215</b>	<b>65,978</b>	<b>71,760</b>	<b>46,812</b>	<b>80,620</b>
hardwoods	39,956	43,759	51,112	34,421	56,691
softwoods	18,259	22,219	20,648	12,391	23,929
<b>Pulpwood (cords)</b>	<b>191,314</b>	<b>171,395</b>	<b>263,684</b>	<b>356,601</b>	<b>303,335</b>
hardwoods	73,443	69,569	129,146	205,924	168,787
softwoods	117,871	101,826	134,538	150,677	134,548
<b>Whole Tree Chips (gt)</b>	<b>183,401</b>	<b>199,228</b>	<b>101,748</b>	<b>193,932</b>	<b>121,965</b>
pulp	*	0	0	0	*
fuel	183,401	199,228	101,748	193,932	121,965
<b>Mills (#)</b>	<b>169</b>	<b>185</b>	<b>168</b>	<b>169</b>	<b>156</b>
<b>Consumption (Mbf)</b>	<b>194,777</b>	<b>207,952</b>	<b>207,197</b>	<b>214,746</b>	<b>260,855</b>
hardwoods	122,296	126,237	134,739	133,551	145,601
softwoods	72,481	81,715	72,458	81,195	115,254
<b>Mill Residues (gt)</b>	<b>221,782</b>	<b>237,941</b>	<b>187,786</b>	<b>195,983</b>	<b>203,907</b>
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
<b>Total Hardwood</b>	<b>199,241</b>	<b>145,299</b>	<b>344,540</b>
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
<b>Total Softwood</b>	<b>299,835</b>	<b>107,204</b>	<b>407,039</b>
Mill Residues	15,823	72,890	88,713
Whole Tree Chips	47,506	25,854	73,360
<b>Total Harvest</b>	<b>562,405</b>	<b>351,247</b>	<b>913,652</b>

- ⌘ 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 SAWLOG AND VENEER LOG HARVEST - 2003

Volumes in Mbf (thousand board feet)

County

Species	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
Ash	349	1,050	582	183	111	563	1,060	791	568	1,467	435	1,484	2,705	11,348
Aspen	343	339	187	5	36	118	110	15	307	440	164	167	191	2,422
Basswood	64	55	62	29	12	55	139	51	60	107	54	136	130	954
Beech	155	180	142	42	27	113	166	256	144	440	95	228	639	2,627
White Birch	596	516	473	18	167	90	243	793	477	924	451	571	1,172	6,491
Yellow Birch	546	742	716	108	340	744	1,412	479	860	1,002	441	922	1,011	9,323
Butternut	108	94	49	7	32	43	54	9	79	102	107	73	125	882
Cherry	627	1,057	320	45	19	243	582	320	694	966	877	1,132	3,560	10,442
Elm	0	0	0	0	0	0	0	0	0	3	0	0	2	5
Sugar Maple	1,474	2,405	5,398	814	884	3,019	5,863	3,550	3,464	3,907	2,106	3,334	4,947	41,165
Red Maple	837	657	2,149	271	287	1,020	1,666	1,014	987	1,506	467	2,071	1,325	14,257
Red Oak	381	920	1,194	147	678	547	1,275	559	937	1,237	682	2,940	2,119	13,616
White Oak	168	193	4	157	3	7	27	7	5	232	7	30	64	904
Other HW	232	193	94	107	14	76	78	54	87	400	71	830	140	2,376
Total HW	5,880	8,401	11,370	1,933	2,610	6,638	12,675	7,898	8,669	12,733	5,957	13,918	18,130	116,812
Hemlock	642	155	566	304	268	3,525	416	1,160	2,680	1,559	580	794	669	13,318
White Pine	2,718	1,332	5,584	1,772	2,383	3,619	1,676	5,144	2,139	6,439	2,596	6,565	13,203	55,170
Red Pine	118	99	211	34	15	141	5	251	125	195	97	80	457	1,828
Spruce/Fir	184	175	6,699	189	6,562	1,941	2,637	3,346	3,915	721	3,536	804	2,226	32,935
Tamarack	255	255	52	0	0	52	0	10	49	255	27	0	0	955
Cedar	1	2	1,600	0	371	25	0	25	1,546	3	116	0	0	3,689
Total SW	3,918	2,018	14,712	2,299	9,599	9,303	4,734	9,936	10,454	9,172	6,952	8,243	16,555	107,895
<b>Total</b>	<b>9,798</b>	<b>10,419</b>	<b>26,082</b>	<b>4,232</b>	<b>12,209</b>	<b>15,941</b>	<b>17,409</b>	<b>17,834</b>	<b>19,123</b>	<b>21,905</b>	<b>12,909</b>	<b>22,161</b>	<b>34,685</b>	<b>224,707</b>

Mbf

**Add** : Addison      **Ess** : Essex      **Orl** : Orleans  
**Ben** : Bennington    **Fra** : Franklin/Grand Isle    **Rut** : Rutland  
**Cal** : Caledonia      **Lam** : Lamoille      **Was** : Washington  
**Chi** : Chittenden     **Ora** : Orange      **Wih** : Windham  
**Wis** : Windsor

**These abbreviations are used throughout the tables in this report.**

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	<b>88,249</b>

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	<b>58,215</b>

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	<b>191,314</b>

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
<b>Total Pulp</b>	<b>5,395</b>	<b>2,500</b>	<b>90</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,174</b>	<b>9,148</b>	<b>2,040</b>	<b>15,858</b>	<b>0</b>	<b>6,058</b>	<b>2,534</b>	<b>59,797</b>
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
<b>Total Fuel</b>	<b>3,507</b>	<b>1,813</b>	<b>246</b>	<b>15,693</b>	<b>2,744</b>	<b>3,040</b>	<b>161</b>	<b>2,220</b>	<b>3,662</b>	<b>112,136</b>	<b>32</b>	<b>12,178</b>	<b>4,553</b>	<b>161,985</b>
<b>Total</b>	<b>8,902</b>	<b>4,313</b>	<b>336</b>	<b>15,693</b>	<b>2,744</b>	<b>3,040</b>	<b>16,335</b>	<b>11,368</b>	<b>5,702</b>	<b>127,994</b>	<b>32</b>	<b>18,236</b>	<b>7,087</b>	<b>221,782</b>

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
<b>Total</b>	<b>2,289</b>	<b>312</b>	<b>20,101</b>	<b>13,734</b>	<b>11,866</b>	<b>11,445</b>	<b>6,109</b>	<b>44,536</b>	<b>12,781</b>	<b>1,525</b>	<b>11,927</b>	<b>780</b>	<b>45,996</b>	<b>183,401</b>

\* - 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
<b>Total Mbf</b>	<b>153,735</b>	<b>12,935</b>	<b>4,956</b>	<b>23,151</b>		<b>194,777</b>	<b>122,296</b>	<b>72,481</b>
<b># of Mills</b>	<b>37</b>	<b>121</b>	<b>10</b>	<b>2</b>	<b>169</b>			

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%
<b>Total</b>	<b>169</b>	<b>194,777</b>	<b>122,296</b>	<b>72,481</b>	<b>1,152.5</b>	<b>100.0%</b>

Mbf Mbf Mbf Mbf