

## VERMONT FOREST RESOURCE HARVEST SUMMARY - 2004

2004 AT A GLANCE:

Major Report Categories Summarized  
for 2004, 2003, 2002, 2001, 2000

Category (units)	2004	2003	2002	2001	2000
<b>Total Harvest (cds)</b>	<b>1,085,051</b>	<b>898,934</b>	<b>791,035</b>	<b>823,434</b>	<b>1,026,759</b>
North	742,100	596,734	430,008	433,829	658,393
South	342,952	302,200	361,026	389,604	368,366
<b>Sawlogs (Mbf)</b>	<b>238,730</b>	<b>224,707</b>	<b>222,386</b>	<b>204,827</b>	<b>246,819</b>
hardwoods	112,301	116,812	102,990	108,907	118,153
softwoods	126,429	107,895	119,396	95,920	128,666
<b>Log Exports (Mbf)</b>	<b>93,512</b>	<b>88,249</b>	<b>80,412</b>	<b>69,390</b>	<b>79,154</b>
hardwoods	31,970	34,552	20,512	25,280	19,712
softwoods	61,542	53,697	59,900	44,110	59,442
<b>Log Imports (Mbf)</b>	<b>62,574</b>	<b>58,215</b>	<b>65,978</b>	<b>71,760</b>	<b>46,812</b>
hardwoods	42,767	39,956	43,759	51,112	34,421
softwoods	19,807	18,259	22,219	20,648	12,391
<b>Pulpwood (cds)</b>	<b>263,902</b>	<b>191,314</b>	<b>171,395</b>	<b>263,684</b>	<b>356,601</b>
hardwoods	180,329	73,443	69,569	129,146	205,924
softwoods	83,573	117,871	101,826	134,538	150,677
<b>Whole Tree Chips (gt)</b>	<b>195,977</b>	<b>183,401</b>	<b>199,228</b>	<b>101,748</b>	<b>193,932</b>
pulp	*	*	0	0	0
fuel	195,977	183,401	199,228	101,748	193,932
<b>Mills (#)</b>	<b>167</b>	<b>169</b>	<b>185</b>	<b>168</b>	<b>169</b>
<b>Consumption (Mbf)</b>	<b>207,792</b>	<b>194,777</b>	<b>207,952</b>	<b>207,197</b>	<b>214,746</b>
hardwoods	123,098	122,296	126,237	134,739	133,551
softwoods	84,694	72,481	81,715	72,458	81,195
<b>Mill Residues (gt)</b>	<b>216,128</b>	<b>184,986</b>	<b>237,941</b>	<b>187,786</b>	<b>195,983</b>
pulp	130,075	94,748	80,286	93,957	125,518
fuel	86,053	90,238	157,655	93,829	70,465

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

Mbf: Thousand board feet

cds: cords

gt: green tons

## VERMONT FOREST RESOURCE HARVEST SUMMARY - 2004

Summation of all products by region  
Sawlogs, Veneer Logs, Pulpwood, Boltwood, and Whole Tree Chips  
Volumes in Cords

where 2 Cords = 1 MBF  
and 2.5 Green Tons = 1 Cord

Species	North	South	Total
Ash	16,903	16,705	33,608
Aspen/Poplar	1,824	2,444	4,268
Basswood	708	706	1,414
Beech	1,518	2,688	4,206
White Birch	5,488	5,130	10,618
Yellow Birch	9,642	10,638	20,280
Butternut	240	312	552
Cherry	3,646	9,120	12,766
Elm	14	12	26
Sugar Maple	43,012	40,266	83,278
Red Maple	11,124	12,568	23,692
Red Oak	11,952	19,378	31,330
White Oak	132	2,236	2,368
Other Hardwood	163,371	29,861	193,232
<b>Total Hardwood</b>	<b>269,574</b>	<b>152,064</b>	<b>421,638</b>
Hemlock	52,202	16,091	68,293
White Pine	77,031	80,890	157,921
Red Pine	1,456	1,492	2,948
Spruce/Fir	90,044	10,383	100,427
Tamarack	376	1,530	1,906
Cedar	8,692	6	8,698
Other Softwood	0	0	0
<b>Total Softwood</b>	<b>229,801</b>	<b>110,392</b>	<b>340,193</b>
Mill Residues	30,449	53,841	84,290
Whole Tree Chips	212,276	26,654	238,930
<b>Total Harvest</b>	<b>742,100</b>	<b>342,952</b>	<b>1,085,051</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 - 2004**

Volumes in Mbf (thousand board feet)

County

Species	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
Ash	368	1,318	646	112	83	455	1,066	725	630	1,732	757	1,357	3,198	12,447
Aspen	393	236	291	1	48	59	57	192	229	478	36	42	72	2,134
Basswood	42	38	58	9	6	52	101	41	46	88	50	59	117	707
Beech	163	320	167	14	22	76	80	149	130	280	135	232	335	2,103
White Birch	610	250	695	12	109	46	277	1,006	151	784	460	394	515	5,309
Yellow Birch	518	770	864	49	146	635	1,312	487	918	1,556	459	970	1,456	10,140
Butternut	39	23	18	6	1	14	28	46	7	33	6	3	52	276
Cherry	75	446	321	23	7	166	559	318	122	461	330	551	3,004	6,383
Elm	0	0	1	0	0	5	0	0	1	3	0	0	3	13
Sugar Maple	2,126	2,403	3,238	563	439	2,925	5,549	2,380	4,012	4,873	2,963	3,480	6,688	41,639
Red Maple	655	716	759	102	211	795	1,506	632	1,037	1,552	622	2,191	1,068	11,846
Red Oak	425	715	1,104	160	513	610	1,154	569	1,094	1,950	932	3,420	3,019	15,665
White Oak	188	190	3	152	2	32	15	3	3	257	8	253	78	1,184
Other HW	520	128	62	104	12	130	20	24	16	425	299	704	11	2,455
<b>Total HW</b>	<b>6,122</b>	<b>7,553</b>	<b>8,227</b>	<b>1,307</b>	<b>1,599</b>	<b>6,000</b>	<b>11,724</b>	<b>6,572</b>	<b>8,396</b>	<b>14,472</b>	<b>7,057</b>	<b>13,656</b>	<b>19,616</b>	<b>112,301</b>
Hemlock	476	173	873	340	267	2,649	838	1,239	1,994	1,611	1,216	775	1,223	13,674
White Pine	1,944	1,844	8,691	2,308	3,582	2,841	4,799	6,169	5,506	6,163	2,617	8,452	14,667	69,583
Red Pine	154	70	149	29	103	106	1	166	86	210	117	47	236	1,474
Spruce/Fir	146	247	10,181	39	9,351	400	802	2,832	5,805	802	2,542	980	2,269	36,396
Tamarack	255	255	52	0	4	47	0	5	67	255	13	0	0	953
Cedar	1	0	834	0	407	15	0	14	2,975	2	101	0	0	4,349
<b>Total SW</b>	<b>2,976</b>	<b>2,589</b>	<b>20,780</b>	<b>2,716</b>	<b>13,714</b>	<b>6,058</b>	<b>6,440</b>	<b>10,425</b>	<b>16,433</b>	<b>9,043</b>	<b>6,606</b>	<b>10,254</b>	<b>18,395</b>	<b>126,429</b>
<b>Total</b>	<b>9,098</b>	<b>10,142</b>	<b>29,007</b>	<b>4,023</b>	<b>15,313</b>	<b>12,058</b>	<b>18,164</b>	<b>16,997</b>	<b>24,829</b>	<b>23,515</b>	<b>13,663</b>	<b>23,910</b>	<b>38,011</b>	<b>238,730</b>

Mbf

County Labels:

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

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

**EXPORT OF SAWLOGS & VENEER LOGS - 2004**

(to other states and countries)

Volumes in Mbf

Exported to:

Species	Canada	Maine	Mass.	NH	NY	Overseas	Total
Ash	388	198	0	354	60	300	1,300
Aspen	14	404	0	148	636	0	1,202
Basswood	13	6	0	22	2	200	243
Beech	51	196	0	192	119	20	578
W. Birch	203	1,496	0	305	542	50	2,596
Y. Birch	898	382	0	149	141	1,500	3,070
Butternut	1	0	0	6	20	1	28
Cherry	185	28	0	36	33	2,000	2,282
Elm	2	0	0	0	0	0	2
S. Maple	4,423	1,489	0	890	649	3,000	10,451
R. Maple	674	1,325	0	388	119	100	2,606
R. Oak	3,295	236	0	223	130	2,000	5,884
W. Oak	58	0	0	0	602	20	680
Other HW	27	51	0	557	413	0	1,048
<b>Total HW</b>	<b>10,232</b>	<b>5,811</b>	<b>0</b>	<b>3,270</b>	<b>3,466</b>	<b>9,191</b>	<b>31,970</b>
Hemlock	5,049	9	10	279	422	0	5,769
W. Pine	8,466	2,924	10	8,663	788	0	20,851
R. Pine	507	51	0	133	166	0	857
Spruce/Fir	15,822	7,971	0	8,778	375	0	32,946
Tamarack	75	10	0	15	765	0	865
Cedar	145	75	0	19	15	0	254
<b>Total SW</b>	<b>30,064</b>	<b>11,040</b>	<b>20</b>	<b>17,887</b>	<b>2,531</b>	<b>0</b>	<b>61,542</b>
<b>Total</b>	<b>40,296</b>	<b>16,851</b>	<b>20</b>	<b>21,157</b>	<b>5,997</b>	<b>9,191</b>	<b>93,512</b>

Mbf

**IMPORT OF SAWLOGS & VENEER LOGS - 2004**

(from other states and countries)

Volumes in Mbf

Imported from:

Species	Canada	Conn.	Maine	Mass.	NH	NY	Other	Total
Ash	0	124	48	701	878	982	0	2,733
Aspen	0	0	0	140	312	513	0	965
Basswood	0	0	0	21	48	199	0	268
Beech	0	0	0	191	466	471	0	1,128
W. Birch	0	15	0	430	1,290	2,062	0	3,797
Y. Birch	89	126	106	403	1,816	1,148	150	3,838
Butternut	0	0	0	1	3	4	0	8
Cherry	35	4	3	305	122	393	120	982
Elm	0	0	0	0	19	0	0	19
S. Maple	268	158	77	964	2,745	5,483	3	9,698
R. Maple	25	82	52	686	1,745	1,222	75	3,887
R. Oak	0	1,104	31	3,332	6,040	4,178	0	14,685
W. Oak	12	15	1	306	135	82	0	551
Other HW	15	0	0	13	103	77	0	208
<b>Total HW</b>	<b>444</b>	<b>1,628</b>	<b>318</b>	<b>7,493</b>	<b>15,722</b>	<b>16,814</b>	<b>348</b>	<b>42,767</b>
Hemlock	0	0	0	35	129	125	0	289
W. Pine	0	152	0	2,765	4,956	10,930	0	18,803
R. Pine	0	160	0	7	28	50	0	245
Spruce/Fir	56	0	4	19	185	44	0	308
Tamarack	0	0	0	0	0	0	0	0
Cedar	162	0	0	0	0	0	0	162
<b>Total SW</b>	<b>218</b>	<b>312</b>	<b>4</b>	<b>2,826</b>	<b>5,298</b>	<b>11,149</b>	<b>0</b>	<b>19,807</b>
<b>Total</b>	<b>662</b>	<b>1,940</b>	<b>322</b>	<b>10,319</b>	<b>21,020</b>	<b>27,963</b>	<b>348</b>	<b>62,574</b>

Mbf

## VERMONT PULPWOOD HARVEST - 2004

Volumes in Cords  
County

Species	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
Aspen	0	15	4,349	26	702	0	165	1,433	595	95	935	0	399	8,714
Other HW	907	2,586	37,402	945	47,409	4,808	9,372	19,736	22,271	4,120	4,540	4,671	12,848	171,615
<b>Total HW</b>	<b>907</b>	<b>2,601</b>	<b>41,751</b>	<b>971</b>	<b>48,111</b>	<b>4,808</b>	<b>9,537</b>	<b>21,169</b>	<b>22,866</b>	<b>4,215</b>	<b>5,475</b>	<b>4,671</b>	<b>13,247</b>	<b>180,329</b>
Hemlock	226	346	14,276	266	438	3,420	655	5,047	8,159	1,390	2,055	2,429	2,238	40,945
W. Pine	278	5	229	453	723	2,245	511	2,973	747	3,742	1,193	3,720	1,936	18,755
Spruce/Fir	0	32	10,595	0	4,598	425	430	3,879	2,090	248	439	37	1,100	23,873
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other SW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total SW</b>	<b>504</b>	<b>383</b>	<b>25,100</b>	<b>719</b>	<b>5,759</b>	<b>6,090</b>	<b>1,596</b>	<b>11,899</b>	<b>10,996</b>	<b>5,380</b>	<b>3,687</b>	<b>6,186</b>	<b>5,274</b>	<b>83,573</b>
<b>Total Plpwd</b>	<b>1,411</b>	<b>2,984</b>	<b>66,851</b>	<b>1,690</b>	<b>53,870</b>	<b>10,898</b>	<b>11,133</b>	<b>33,068</b>	<b>33,862</b>	<b>9,595</b>	<b>9,162</b>	<b>10,857</b>	<b>18,521</b>	<b>263,902</b>

cords

## WOOD CHIP PRODUCTION - 2004

### Sawmill Residue Shipments      Volumes in Green Tons

County														
Product	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
hardwood pulp	7,700	0	102	0	0	0	26,274	260	0	4,418	0	19,266	23,000	81,020
softwood pulp	159	0	6,634	0	0	0	1,426	9,200	600	13,580	0	17,456	0	49,055
<b>Total Pulp</b>	<b>7,859</b>	<b>0</b>	<b>6,736</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27,700</b>	<b>9,460</b>	<b>600</b>	<b>17,998</b>	<b>0</b>	<b>36,722</b>	<b>23,000</b>	<b>130,075</b>
hardwood fuel	6,973	1,800	0	250	2,744	1,044	50	110	18,240	9,577	0	13,272	5,010	59,070
softwood fuel	0	0	50	12,993	0	3,140	50	220	7,930	1,100	0	0	1,500	26,983
<b>Total Fuel</b>	<b>6,973</b>	<b>1,800</b>	<b>50</b>	<b>13,243</b>	<b>2,744</b>	<b>4,184</b>	<b>100</b>	<b>330</b>	<b>26,170</b>	<b>10,677</b>	<b>0</b>	<b>13,272</b>	<b>6,510</b>	<b>86,053</b>
<b>Total</b>	<b>14,832</b>	<b>1,800</b>	<b>6,786</b>	<b>13,243</b>	<b>2,744</b>	<b>4,184</b>	<b>27,800</b>	<b>9,790</b>	<b>26,770</b>	<b>28,675</b>	<b>0</b>	<b>49,994</b>	<b>29,510</b>	<b>216,128</b>

green tons

**84,290**

cords

County														
Product	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
HW Bark	8,500	0	0	0	0	400	2,206	700	1,200	7,019	0	11,666	4,500	36,191
SW Bark	2,200	0	3,202	10,599	0	100	0	6,100	3,300	12,100	0	6,320	800	44,721
<b>Total</b>	<b>10,700</b>	<b>0</b>	<b>3,202</b>	<b>10,599</b>	<b>0</b>	<b>500</b>	<b>2,206</b>	<b>6,800</b>	<b>4,500</b>	<b>19,119</b>	<b>0</b>	<b>17,986</b>	<b>5,300</b>	<b>80,912</b>

### Whole Tree Chip Harvest      Volumes in Green Tons

County														
Use	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
Pulp	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Fuel	2,564	356	21,741	15,382	13,129	12,818	6,750	46,189	13,882	1,708	13,123	889	47,446	195,977
<b>Total</b>	<b>2,564</b>	<b>356</b>	<b>21,741</b>	<b>15,382</b>	<b>13,129</b>	<b>12,818</b>	<b>6,750</b>	<b>46,189</b>	<b>13,882</b>	<b>1,708</b>	<b>13,123</b>	<b>889</b>	<b>47,446</b>	<b>195,977</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.

**76,431**

cords

Export	NH	76,451	Import	NH	118,704
				NY	157,767
				Can	4,253
				Other	13,140
					293,863

## DEMAND BY PRIMARY MILLS IN VERMONT - 2004

Volumes in Mbf

County	Commercial Sawmill	Small Sawmill	Specialty Mill	Veneer Mill	Totals		hardwood	softwood
					Mills	Volume		
Addison	17,852	630	*	0	15	18,621	16,198	2,423
Bennington	1,821	16	0	0	6	1,837	1,429	408
Caledonia	6,438	404	*	0	18	6,879	57	6,822
Chittenden	11,224	39	0	0	5	11,263	25	11,238
Essex	*	28	0	0	3	*	*	28
Franklin	3,168	40	0	0	6	3,208	578	2,630
Lamoille	12,750	157	0	0	9	12,907	12,033	874
Orange	10,742	305	0	0	11	11,047	1,038	10,009
Orleans	12,019	240	1,753	*	18	26,571	14,730	11,841
Rutland	21,857	578	3,750	*	16	32,835	17,211	15,624
Washington	0	434	0	0	10	434	43	391
Windham	45,027	811	*	0	22	45,899	34,904	10,995
Windsor	25,114	1,437	454	0	28	27,005	15,594	11,411
<b>Total Mbf</b>	<b>177,270</b>	<b>5,119</b>	<b>6,194</b>	<b>19,209</b>		<b>207,792</b>	<b>123,098</b>	<b>84,694</b>
<b># of Mills</b>	<b>37</b>	<b>118</b>	<b>10</b>	<b>2</b>	<b>167</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 mills.

## Consumption of Sawlogs & Veneer Logs by Mill Size - 2004

Mill Class & Capacity	no. of mills	2004 volume	2004 hardwood	2004 softwood	average volume	percent of total
I. over 10 MMbf	5	90,722	59,956	30,766	17,049.4	43.7%
II. 5 - 10 MMbf	10	70,378	39,861	30,517	7,037.8	33.9%
III. 2.5 - 5 MMbf	8	27,007	19,579	7,428	3,375.9	13.0%
IV. 1 - 2.5 MMbf	10	9,200	985	8,215	1,461.0	4.4%
V. 0.5 - 1 MMbf	5	3,306	1,022	2,284	661.2	1.6%
VI. 0.1 - 0.5 MMbf	26	5,431	1,297	4,134	208.9	2.6%
VII. under 0.1 MMbf and idle	103	1,748	398	1,350	17.6	0.8%
<b>Total</b>	<b>167</b>	<b>207,792</b>	<b>123,098</b>	<b>84,694</b>	<b>1,244.3</b>	<b>100.0%</b>

Mbf Mbf Mbf Mbf