

## VERMONT FOREST RESOURCE HARVEST SUMMARY - 2001

2001 AT A GLANCE:

Major Report Categories Summarized  
for 2001, 2000, 1999, 1998, 1997

Category (units)	2001	2000	1999	1998	1997
<b>Total Harvest (cds)</b>	<b>823,434</b>	<b>1,026,759</b>	<b>972,623</b>	<b>1,093,332</b>	<b>1,177,184</b>
North	433,829	658,393	625,528	713,427	799,863
South	389,604	368,366	347,094	379,905	377,321
<b>Sawlogs (Mbf)</b>	<b>204,827</b>	<b>246,819</b>	<b>249,898</b>	<b>265,481</b>	<b>293,480</b>
hardwoods	108,907	118,153	112,832	123,408	131,595
softwoods	95,920	128,666	137,066	142,073	161,885
<b>Log Exports (Mbf)</b>	<b>69,390</b>	<b>79,154</b>	<b>76,139</b>	<b>76,123</b>	<b>76,055</b>
hardwoods	25,280	19,712	23,927	23,933	19,808
softwoods	44,110	59,442	52,212	52,190	56,247
<b>Log Imports (Mbf)</b>	<b>71,760</b>	<b>46,812</b>	<b>80,620</b>	<b>80,001</b>	<b>79,298</b>
hardwoods	51,112	34,421	56,691	55,074	46,376
softwoods	20,648	12,391	23,929	25,927	32,922
<b>Pulpwood (cds)</b>	<b>231,863</b>	<b>356,601</b>	<b>303,335</b>	<b>410,590</b>	<b>438,478</b>
hardwoods	129,146	205,924	168,787	222,005	224,500
softwoods	134,538	150,677	134,548	188,585	213,978
<b>Whole Tree Chips (gt)</b>	<b>101,748</b>	<b>193,932</b>	<b>121,965</b>	<b>128,001</b>	<b>191,726</b>
pulp	0	0 *		0	54,730
fuel	101,748	193,932	121,965	128,001	136,996
<b>Mills (#)</b>	<b>168</b>	<b>169</b>	<b>156</b>	<b>196</b>	<b>182</b>
<b>Consumption (Mbf)</b>	<b>207,197</b>	<b>214,746</b>	<b>260,855</b>	<b>270,359</b>	<b>296,723</b>
hardwoods	134,739	133,551	145,601	154,549	158,163
softwoods	72,458	81,195	115,254	115,810	138,560
<b>Mill Residues (gt)</b>	<b>187,786</b>	<b>195,983</b>	<b>203,907</b>	<b>242,809</b>	<b>289,126</b>
pulp	93,957	125,518	98,591	128,347	181,537
fuel	93,829	70,465	105,316	114,462	107,589

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

Mbf: Thousand board feet

cds: cords

gt: green tons

## VERMONT FOREST RESOURCE HARVEST SUMMARY - 2001

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	8,950	16,208	25,158
Aspen/Poplar	7,730	3,748	11,478
Basswood	994	870	1,864
Beech	3,394	6,922	10,316
White Birch	13,536	8,210	21,746
Yellow Birch	8,662	8,612	17,274
Butternut	762	500	1,262
Cherry	2,362	3,984	6,346
Elm	42	32	74
Sugar Maple	41,496	38,092	79,588
Red Maple	17,262	19,500	36,762
Red Oak	6,618	9,882	16,500
White Oak	214	314	528
Other Hardwood	86,998	38,916	125,914
<b>Total Hardwood</b>	<b>199,020</b>	<b>155,790</b>	<b>354,810</b>
Hemlock	42,805	38,129	80,934
White Pine	92,643	68,296	160,939
Red Pine	2,392	3,436	5,828
Spruce/Fir	41,099	58,017	99,116
Tamarack	0	386	386
Cedar	44	5,918	5,962
Other Softwood	2,444	97	2,541
<b>Total Softwood</b>	<b>181,427</b>	<b>174,278</b>	<b>355,705</b>
Mill Residues	22,428	17,254	39,682
Whole Tree Chips	30,954	42,283	73,237
<b>Total Harvest</b>	<b>433,829</b>	<b>389,604</b>	<b>823,434</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 - 2001**

Volumes in Mbf (thousand board feet)

County

Species	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
Ash	615	2,157	336	144	208	517	996	611	578	2,112	632	1,375	2,035	12,316
Aspen	124	158	319	4	258	10	124	33	220	381	231	134	211	2,207
Basswood	79	66	19	14	13	78	90	28	36	110	42	77	142	794
Beech	240	210	62	33	52	122	171	316	187	732	496	263	393	3,277
White Birch	503	446	375	24	480	98	1,008	775	547	1,359	725	383	681	7,404
Yellow Birch	332	448	351	75	162	325	776	379	347	635	478	726	467	5,501
Butternut	45	6	5	33	1	122	30	10	4	11	6	3	91	367
Cherry	17	334	54	44	17	133	338	54	85	121	101	402	307	2,007
Elm	1,411	75	0	1	0	13	3	1	0	0	0	0	155	1,659
Sugar Maple	2,085	3,334	1,905	1,077	979	2,948	6,163	3,495	3,375	5,366	2,616	3,628	3,504	40,475
Red Maple	588	620	1,737	111	1,531	942	2,591	2,018	2,032	2,824	2,265	1,549	968	19,776
Red Oak	244	1,310	205	162	159	698	441	533	789	1,342	507	2,438	663	9,491
White Oak	211	219	5	158	4	10	11	12	6	180	8	197	7	1,028
Other HW	243	326	110	106	81	124	91	33	93	614	175	380	229	2,605
<b>Total HW</b>	<b>6,737</b>	<b>9,709</b>	<b>5,483</b>	<b>1,986</b>	<b>3,945</b>	<b>6,140</b>	<b>12,833</b>	<b>8,298</b>	<b>8,299</b>	<b>15,787</b>	<b>8,282</b>	<b>11,555</b>	<b>9,853</b>	<b>108,907</b>
Hemlock	514	203	630	462	415	2,416	439	764	1,675	502	452	754	618	9,844
White Pine	2,344	1,805	2,476	2,604	2,113	2,987	559	4,381	7,193	5,870	626	6,954	9,065	48,977
Red Pine	342	14	406	161	694	112	22	102	300	26	82	161	492	2,914
Spruce/Fir	30	152	1,823	570	12,241	549	1,850	403	9,829	114	1,956	365	1,129	31,011
Tamarack	0	0	55	0	31	32	0	17	40	0	18	0	0	193
Cedar	15	0	717	0	15	35	10	5	1997	3	180	0	4	2,981
<b>Total SW</b>	<b>3,245</b>	<b>2,174</b>	<b>6,107</b>	<b>3,797</b>	<b>15,509</b>	<b>6,131</b>	<b>2,880</b>	<b>5,672</b>	<b>21,034</b>	<b>6,515</b>	<b>3,314</b>	<b>8,234</b>	<b>11,308</b>	<b>95,920</b>
<b>Total</b>	<b>9,982</b>	<b>11,883</b>	<b>11,590</b>	<b>5,783</b>	<b>19,454</b>	<b>12,271</b>	<b>15,713</b>	<b>13,970</b>	<b>29,333</b>	<b>22,302</b>	<b>11,596</b>	<b>19,789</b>	<b>21,161</b>	<b>204,827</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.**

**EXPORT OF SAWLOGS & VENEER LOGS - 2001**

(to other states and countries)

Volumes in Mbf

Species	Exported to:					Over-seas	Total
	Canada	Maine	Mass.	NH	NY		
Ash	227	38	50	472	267	0	1,054
Aspen	0	20	0	746	7	0	773
Basswood	20	0	0	8	21	0	49
Beech	11	193	5	95	210	0	514
W. Birch	99	1,043	3	319	579	0	2,043
Y. Birch	350	160	20	452	268	0	1,250
Butternut	113	0	0	1	0	0	114
Cherry	84	0	10	30	73	7	204
Elm	12	0	0	0	0	0	12
S. Maple	2,891	158	22	1,092	1,160	0	5,323
R. Maple	481	10,003	9	455	84	0	11,032
R. Oak	801	0	0	237	132	0	1,170
W. Oak	8	0	0	2	758	0	768
Other HW	10	4	0	427	533	0	974
<b>Total HW</b>	<b>5,107</b>	<b>11,619</b>	<b>119</b>	<b>4,336</b>	<b>4,092</b>	<b>7</b>	<b>25,280</b>
Hemlock	2,404	58	175	915	16	0	3,568
W. Pine	3,817	119	30	5,136	373	0	9,475
R. Pine	1,626	0	0	495	0	0	2,121
Spruce/Fir	23,537	882	75	4,304	0	0	28,798
Tamarack	65	0	0	59	0	0	124
Cedar	19	0	0	3	2	0	24
<b>Total SW</b>	<b>31,468</b>	<b>1,059</b>	<b>280</b>	<b>10,912</b>	<b>391</b>	<b>0</b>	<b>44,110</b>
<b>Total</b>	<b>36,575</b>	<b>12,678</b>	<b>399</b>	<b>15,248</b>	<b>4,483</b>	<b>7</b>	<b>69,390</b>

Mbf

**IMPORT OF SAWLOGS & VENEER LOGS - 2001**

(from other states and countries)

Volumes in Mbf

Imported from:

Species	Canada	Conn.	Maine	Mass.	NH	NY	PA	Total
Ash	1	165	883	0	741	1,628	0	3,418
Aspen	0	0	75	0	321	177	0	573
Basswood	0	0	5	0	16	142	0	163
Beech	0	0	128	0	283	351	0	762
W. Birch	316	4	193	632	1,791	338	0	3,274
Y. Birch	173	31	406	875	867	1,210	292	3,854
Butternut	0	0	0	0	1	9	0	10
Cherry	174	2	334	35	220	1,974	1,390	4,129
Elm	0	0	0	0	0	0	0	0
S. Maple	588	61	833	95	1,378	6,660	158	9,773
R. Maple	270	54	1,034	54	1,192	2,116	450	5,170
R. Oak	0	686	5,058	0	4,941	7,201	0	17,886
W. Oak	0	15	440	0	45	251	0	751
Other HW	0	12	897	0	261	177	2	1,349
<b>Total HW</b>	<b>1,522</b>	<b>1,030</b>	<b>10,286</b>	<b>1,691</b>	<b>12,057</b>	<b>22,234</b>	<b>2,292</b>	<b>51,112</b>
Hemlock	35	0	45	0	217	681	0	978
W. Pine	57	13	3,957	0	5,887	9,291	0	19,205
R. Pine	0	160	10	0	46	64	0	280
Spruce/Fir	41	0	23	17	50	17	0	148
Tamarack	0	0	0	0	0	0	0	0
Cedar	16	0	0	0	20	1	0	37
<b>Total SW</b>	<b>149</b>	<b>173</b>	<b>4,035</b>	<b>17</b>	<b>6,220</b>	<b>10,054</b>	<b>0</b>	<b>20,648</b>
<b>Total</b>	<b>1,671</b>	<b>1,203</b>	<b>14,321</b>	<b>1,708</b>	<b>18,277</b>	<b>32,288</b>	<b>2,292</b>	<b>71,760</b>

Mbf

## VERMONT PULPWOOD HARVEST - 2001

Volumes in Cords  
County

Species	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
Aspen	17	12	2,401	103	795	198	180	1,026	735	15	877	28	437	6,824
Other HW	1,425	5,910	15,146	461	14,845	2,566	2,352	14,843	21,667	1,657	14,509	3,803	23,138	122,322
<b>Total HW</b>	<b>1,442</b>	<b>5,922</b>	<b>17,546</b>	<b>564</b>	<b>15,641</b>	<b>2,764</b>	<b>2,532</b>	<b>15,869</b>	<b>22,402</b>	<b>1,672</b>	<b>15,387</b>	<b>3,831</b>	<b>23,575</b>	<b>129,146</b>
Hemlock	180	84	3,213	226	690	2,252	1,184	5,074	793	97	1,448	44	509	15,794
W. Pine	1,500	3,991	5,085	1,196	797	4,568	1,434	4,185	6,410	5,578	3,462	4,567	3,593	46,365
Spruce/Fir	69	412	8,177	0	3,883	240	1,991	998	13,565	71	842	0	92	62,159
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other SW	0	0	3,407	0	3,407	0	0	3,407	0	0	0	0	0	10,220
<b>Total SW</b>	<b>1,748</b>	<b>4,487</b>	<b>19,881</b>	<b>1,422</b>	<b>8,776</b>	<b>7,060</b>	<b>4,608</b>	<b>13,663</b>	<b>20,768</b>	<b>5,745</b>	<b>5,753</b>	<b>4,611</b>	<b>4,193</b>	<b>134,538</b>
<b>Total Plpwd</b>	<b>3,190</b>	<b>10,409</b>	<b>37,427</b>	<b>1,986</b>	<b>24,417</b>	<b>9,823</b>	<b>7,140</b>	<b>29,533</b>	<b>43,170</b>	<b>7,417</b>	<b>21,140</b>	<b>8,442</b>	<b>27,769</b>	<b>231,863</b>

Cords

Vermont Department of Forests, Parks & Recreation

## WOOD CHIP PRODUCTION - 2001

### 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	3,500	3,701	0	0	0	0	9,115	1,170	7,474	3,957	0	21,292	2,500	52,709
softwood pulp	665	253	20	0	0	2,041	2,664	7,484	2,040	12,897	0	13,184	0	41,248
<b>Total Pulp</b>	<b>4,165</b>	<b>3,954</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>2,041</b>	<b>11,779</b>	<b>8,654</b>	<b>9,514</b>	<b>16,854</b>	<b>0</b>	<b>34,476</b>	<b>2,500</b>	<b>93,957</b>
hardwood fuel	1,139	1,040	50	4,464	19,000	168	12,686	2,000	8,353	3,182	10	12,981	5,028	70,101
softwood fuel	0	35	0	16,137	270	874	0	1,500	2,450	300	0	0	2,162	23,728
<b>Total Fuel</b>	<b>1,139</b>	<b>1,075</b>	<b>50</b>	<b>20,601</b>	<b>19,270</b>	<b>1,042</b>	<b>12,686</b>	<b>3,500</b>	<b>10,803</b>	<b>3,482</b>	<b>10</b>	<b>12,981</b>	<b>7,190</b>	<b>93,829</b>
<b>Total</b>	<b>5,304</b>	<b>5,029</b>	<b>70</b>	<b>20,601</b>	<b>19,270</b>	<b>3,083</b>	<b>24,465</b>	<b>12,154</b>	<b>20,317</b>	<b>20,336</b>	<b>10</b>	<b>47,457</b>	<b>9,690</b>	<b>187,786</b>

green tons

**73,237**

cords

### 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel	3,991	0	11,723	14,966	2,373	7,982	6,329	25,809	0	593	3,292	0	24,690	101,748
<b>Total</b>	<b>3,991</b>	<b>0</b>	<b>11,723</b>	<b>14,966</b>	<b>2,373</b>	<b>7,982</b>	<b>6,329</b>	<b>25,809</b>	<b>0</b>	<b>593</b>	<b>3,292</b>	<b>0</b>	<b>24,690</b>	<b>101,748</b>

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

Total does not include withheld da

green tons

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

**39,682**

cords

## DEMAND BY PRIMARY MILLS IN VERMONT - 2001

Volumes in Mbf

County	Commercial Sawmill	Small Sawmill	Specialty Mill	Veneer Mill	Totals			
					Mills	Volume	hardwood	softwood
Addison	23,506	500	*	0	12	24,363	22,852	1,511
Bennington	12,050	631	0	0	7	12,681	12,098	583
Caledonia	1,264	486	90	0	17	1,840	452	1,388
Chittenden	14,110	78	0	0	6	14,188	131	14,057
Essex	14,556	34	0	0	4	14,590	14,539	51
Franklin	2,588	630	0	0	3	3,218	578	2,640
Lamoille	14,611	875	0	0	12	15,486	13,431	2,055
Orange	10,565	976	0	0	10	11,541	2,404	9,137
Orleans	10,476	379	*	*	20	22,244	13,618	8,626
Rutland	24,914	551	*	*	16	36,632	19,988	16,644
Washington	0	481	0	0	11	481	58	423
Windham	38,164	1,600	*	0	25	39,820	25,959	13,861
Windsor	8,701	954	458	0	25	10,113	8,631	1,482
<b>Total Mbf</b>	<b>175,505</b>	<b>8,175</b>	<b>4,223</b>	<b>*</b>		<b>207,197</b>	<b>134,739</b>	<b>72,458</b>
<b># of Mills</b>	<b>38</b>	<b>117</b>	<b>11</b>	<b>2</b>	<b>168</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 - 2001

Mill Class & Capacity	no. of mills	2,001 volume	2,001 hardwood	2,001 softwood	average volume	percent of total
I. over 10 MMbf	6	93,451	66,347	27,104	15,575.2	45.1%
II. 5 - 10 MMbf	8	57,180	29,490	27,690	7,147.5	27.6%
III. 2.5 - 5 MMbf	8	25,041	22,264	2,777	3,130.1	12.1%
IV. 1 - 2.5 MMbf	11	18,363	13,101	5,262	1,669.4	8.9%
V. 0.5 - 1 MMbf	7	4,839	1,555	3,284	691.3	2.3%
VI. 0.1 - 0.5 MMbf	29	6,107	1,507	4,600	210.6	2.9%
VII. under 0.1 MMbf and idle	99	2,216	2,691	1,741	22.4	1.1%
<b>Total</b>	<b>168</b>	<b>207,197</b>	<b>136,955</b>	<b>72,458</b>	<b>1,233.3</b>	<b>100.0%</b>

Mbf Mbf Mbf Mbf