

VERMONT FOREST RESOURCE HARVEST SUMMARY - 2006

2006 AT A GLANCE:

Major Report Categories Summarized
for 2006, 2005, 2004, 2003, 2002

Category (units)	2006	2005	2004	2003	2002
Total Harvest (cds)	644,577	804,872	1,085,051	898,934	791,035
North	338,109	461,687	742,100	596,734	430,008
South	306,468	343,186	342,952	302,200	361,026
Sawlogs (Mbf)	194,514	211,428	238,730	224,707	222,386
hardwoods	90,082	118,589	112,301	116,812	102,990
softwoods	104,432	92,840	126,429	107,895	119,396
Log Exports (Mbf)	67,061	72,892	93,512	88,249	80,412
hardwoods	17,106	39,623	31,970	34,552	20,512
softwoods	49,955	33,269	61,542	53,697	59,900
Log Imports (Mbf)	48,219	44,647	62,574	58,215	65,978
hardwoods	31,981	35,769	42,767	39,956	43,759
softwoods	16,238	8,878	19,807	18,259	22,219
Pulpwood (cds)	100,785	120,826	263,902	191,314	171,395
hardwoods	40,429	48,468	180,329	73,443	69,569
softwoods	60,356	72,358	83,573	117,871	101,826
Whole Tree Chips (gt)	194,347	189,607	195,977	183,401	199,228
pulp	0	0	*	*	0
fuel	194,347	189,607	195,977	183,401	199,228
Mills (#)	150	155	167	169	185
Consumption (Mbf)	175,672	183,342	207,792	194,777	207,952
hardwoods	104,957	114,733	123,098	122,296	126,237
softwoods	70,715	68,609	84,694	72,481	81,715
Mill Residues (gt)	192,563	208,879	216,128	184,986	237,941
pulp	59,198	119,885	130,075	94,748	80,286
fuel	133,365	88,994	86,053	90,238	157,655

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

Mbf: Thousand board feet

cds: cords

gt: green tons

VERMONT FOREST RESOURCE HARVEST SUMMARY - 2006

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	5,866	11,936	17,801
Aspen/Poplar	9,062	2,104	11,166
Basswood	534	673	1,207
Beech	1,592	2,918	4,510
White Birch	5,470	6,581	12,051
Yellow Birch	7,179	6,579	13,759
Butternut	672	910	1,581
Cherry	3,390	11,387	14,777
Elm	0	7	7
Sugar Maple	34,871	28,861	63,732
Red Maple	10,649	11,370	22,019
Red Oak	6,458	12,213	18,671
White Oak	100	1,651	1,751
Other Hardwood	22,442	15,119	37,561
Total Hardwood	108,284	112,308	220,593
Hemlock	37,695	13,340	51,035
White Pine	48,734	76,648	125,382
Red Pine	2,423	1,968	4,391
Spruce/Fir	70,535	8,603	79,138
Tamarack	311	0	311
Cedar	8,942	21	8,963
Other Softwood	0	0	0
Total Softwood	168,640	100,580	269,220
Mill Residues	13,647	63,378	77,025
Whole Tree Chips	47,538	30,201	77,739
Total Harvest	338,109	306,468	644,577

- ⌘ 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 - 2006

Volumes in Mbf (thousand board feet)

County														
Species	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
Ash	333	1,035	499	136	165	379	752	653	339	1,277	145	1,197	1,989	8,901
Aspen	116	108	193	51	61	152	145	68	310	248	193	146	160	1,949
Basswood	56	25	38	17	30	44	89	19	27	72	20	93	73	604
Beech	139	150	99	33	84	64	111	268	97	383	73	241	513	2,255
White Birch	523	443	387	15	206	73	641	640	403	791	385	541	978	6,026
Yellow Birch	483	607	498	145	301	601	975	334	622	750	258	722	583	6,879
Butternut	96	82	42	5	28	38	55	9	71	89	94	64	118	791
Cherry	548	760	79	39	14	184	261	38	585	625	535	849	2,872	7,388
Elm	0	0	0	0	0	0	0	0	0	3	0	0	1	3
Sugar Maple	1,319	2,081	2,244	850	809	2,088	4,639	3,016	3,348	3,447	1,292	2,923	3,810	31,866
Red Maple	763	657	670	173	259	974	1,411	1,018	682	1,431	312	1,699	962	11,009
Red Oak	401	875	439	129	149	539	472	415	883	1,053	332	2,489	1,159	9,335
White Oak	150	262	3	139	3	6	13	14	4	216	6	52	8	876
Other HW	206	173	85	93	74	64	59	47	71	352	77	709	190	2,201
Total HW	5,133	7,257	5,275	1,826	2,183	5,204	9,624	6,537	7,442	10,737	3,722	11,726	13,416	90,082
Hemlock	295	48	312	307	363	3,129	434	1,007	2,346	1,271	656	977	897	12,041
White Pine	2,134	1,163	3,032	2,871	2,037	2,441	404	6,845	827	6,783	694	9,545	11,601	50,378
Red Pine	38	11	73	129	330	138	16	356	246	251	51	67	487	2,195
Spruce/Fir	31	103	3,135	892	11,234	2,181	2,676	1,056	9,594	922	2,100	840	1,472	36,237
Tamarack	0	0	28	0	12	45	0	11	45	0	14	0	0	156
Cedar	1	2	1,317	0	453	22	0	24	1,497	8	101	0	0	3,425
Total SW	2,500	1,328	7,897	4,198	14,429	7,956	3,530	9,299	14,555	9,235	3,618	11,429	14,457	104,432
Total	7,632	8,585	13,172	6,025	16,612	13,160	13,154	15,837	21,998	19,972	7,339	23,155	27,872	194,514

Mbf

County Labels: **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 - 2006

(to other states and countries)

Volumes in Mbf

Exported to:

Species	Canada	Maine	Mass.	NH	NY	Overseas	Total
Ash	317	0	165	525	43	0	1,051
Aspen	0	0	354	56	420	0	831
Basswood	13	0	8	21	2	0	43
Beech	37	0	163	139	44	0	383
W. Birch	152	0	1,051	259	369	0	1,831
Y. Birch	934	0	329	207	53	5	1,528
Butternut	0	0	2	6	17	0	24
Cherry	163	0	29	28	26	0	245
Elm	0	0	0	0	0	0	0
S. Maple	4,164	0	823	958	292	0	6,237
R. Maple	551	0	1,124	515	34	35	2,259
R. Oak	853	0	7	339	186	0	1,385
W. Oak	53	0	0	0	526	0	579
Other HW	23	0	195	151	341	0	711
Total HW	7,259	0	4,250	3,204	2,353	40	17,106
Hemlock	3,820	8	13	395	23	0	4,260
W. Pine	5,910	8	153	5,913	409	0	12,394
R. Pine	1,293	0	49	38	106	0	1,486
Spruce/Fir	23,174	0	7,522	679	2	0	31,376
Tamarack	54	0	8	29	1	0	93
Cedar	332	0	0	2	13	0	346
Total SW	34,583	17	7,745	7,056	554	0	49,955
Total	41,842	17	11,995	10,260	2,907	40	67,061

Mbf

IMPORT OF SAWLOGS & VENEER LOGS - 2006

(from other states and countries)

Volumes in Mbf

Imported from:

Species	Canada	Conn.	Maine	Mass.	NH	NY	Other	Total
Ash	0	74	544	14	452	506	37	1,626
Aspen	0	0	31	0	82	67	0	179
Basswood	0	0	5	0	15	91	0	112
Beech	0	0	129	0	263	175	0	568
W. Birch	0	20	176	0	662	248	20	1,127
Y. Birch	75	32	293	6	1,117	691	129	2,343
Butternut	0	0	0	0	1	1	0	3
Cherry	26	0	119	2	81	304	88	620
Elm	0	0	0	0	0	0	0	0
S. Maple	196	34	1,052	2	1,774	4,518	18	7,594
R. Maple	18	10	194	6	787	525	55	1,595
R. Oak	0	554	4,063	450	4,555	3,982	366	13,970
W. Oak	0	18	341	0	77	161	0	598
Other HW	0	107	1,009	1	203	258	69	1,647
Total HW	314	850	7,957	482	10,070	11,527	781	31,981
Hemlock	0	0	27	0	45	174	0	246
W. Pine	38	7	2,549	0	5,048	7,864	0	15,506
R. Pine	0	117	10	0	0	58	0	186
Spruce/Fir	30	0	16	12	113	11	0	183
Tamarack	0	0	0	0	0	0	0	0
Cedar	118	0	0	0	0	0	0	118
Total SW	186	124	2,603	12	5,206	8,107	0	16,238
Total	501	974	10,559	494	15,276	19,634	781	48,219

Mbf

VERMONT PULPWOOD HARVEST - 2006

Volumes in Cords

County

Species	Add	Ben	Cal	Chi	Ess	Fra	Lam	Ora	Orl	Rut	Was	Wih	Wis	Total
Aspen	0	13	3,628	22	586	0	138	1,195	496	79	780	0	333	7,269
Other HW	757	2,157	7,374	788	4,030	1,095	1,186	4,332	1,230	2,338	2,240	1,403	4,230	33,160
Total HW	757	2,170	11,001	810	4,615	1,095	1,324	5,528	1,726	2,417	3,020	1,403	4,563	40,429
Hemlock	189	289	4,708	222	365	2,853	546	4,210	6,806	1,159	1,714	2,026	1,867	26,953
W. Pine	232	4	9,172	378	603	1,873	426	2,480	623	3,121	995	3,103	1,615	24,625
Spruce/Fir	0	27	2,718	0	3,171	15	0	98	451	12	130	22	23	6,665
Cedar	0	0	2,113	0	0	0	0	0	0	0	0	0	0	2,113
Total SW	420	319	18,710	600	4,139	4,740	973	6,787	7,880	4,292	2,839	5,151	3,504	60,356
Total Plpw	1,177	2,489	29,712	1,410	8,754	5,836	2,296	12,315	9,606	6,710	5,860	6,554	8,067	100,785

cords

Vermont Department of Forests, Parks & Recreation

WOOD CHIP PRODUCTION - 2006

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	3,595	1,512	54	356	0	0	9,745	0	1,327	2,798	0	12,878	1,908	34,174
softwood pulp	383	35	13	295	0	0	1,378	6,745	0	10,418	0	5,692	65	25,024
Total Pulp	3,978	1,547	66	651	0	0	11,123	6,745	1,327	13,216	0	18,571	1,973	59,198
hardwood fuel	2,967	1,523	85	211	2,334	85	4,730	1,692	10	88,388	30	5,801	13	107,869
softwood fuel	0	0	124	12,738	0	2,487	0	186	3,088	5,583	5	17	1,269	25,496
Total Fuel	2,967	1,523	208	12,949	2,334	2,572	4,730	1,878	3,098	93,971	36	5,818	1,282	133,365
Total	6,945	3,070	274	13,601	2,334	2,572	15,854	8,623	4,425	107,187	36	24,389	3,255	192,563

green tons
75,100
 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	1,051	8,185	20,000	17,862	11,566	13,134	7,045	43,562	12,433	2,101	11,104	761	45,542	194,347
Total	1,051	8,185	20,000	17,862	11,566	13,134	7,045	43,562	12,433	2,101	11,104	761	45,542	194,347

NB: The data shown above do not include other mill residues used for fuel such as bark, sawdust, and shavings.
 green tons
75,795
 cords

DEMAND BY PRIMARY MILLS IN VERMONT - 2006

Volumes in Mbf

County	Commercial Sawmill	Small Sawmill	Specialty Mill	Veneer Mill	Totals			
					Mills	Volume	hardwood	softwood
Addison	14,795	34	3,833	0	13	18,661	14,402	3,847
Bennington	0	16	0	0	5	16	11	5
Caledonia	13,074	160	*	0	16	14,857	2,846	12,775
Chittenden	8,094	0	0	0	4	8,094	0	8,707
Essex	5,751	0	0	0	3	5,751	5,491	0
Franklin	739	155	0	0	5	894	655	223
Lamoille	10,564	0	0	0	8	10,564	10,085	0
Orange	9,487	19	0	0	10	9,506	911	9,199
Orleans	10,845	252	0	*	17	23,130	13,495	9,675
Rutland	10,733	485	0	*	14	18,313	10,008	8,423
Washington	0	2,101	0	0	10	2,101	1,203	904
Windham	59,092	346	0	0	20	59,438	41,947	16,676
Windsor	4,047	284	*	0	25	4,346	3,901	280
Total Mbf	147,220	3,851	5,472	19,129		175,672	104,957	70,715
# of Mills	33	106	9	2	150			

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 - 2006

Mill Class & Capacity	no. of mills	2006 volume	2006 hardwood	2006 softwood	average volume	percent of total
I. over 10 MMbf	4	80,964	56,579	23,346	20,241.1	46.1%
II. 5 - 10 MMbf	8	52,444	31,067	21,410	6,555.5	29.9%
III. 2.5 - 5 MMbf	5	17,929	8,460	9,754	3,585.8	10.2%
IV. 1 - 2.5 MMbf	13	19,307	7,330	12,509	1,485.1	11.0%
V. 0.5 - 1 MMbf	4	2,948	1,309	1,697	737.1	1.7%
VI. 0.1 - 0.5 MMbf	7	1,339	59	1,375	191.3	0.8%
VII. under 0.1 MMbf and idle	109	741	154	624	6.8	0.4%
Total	150	175,672	104,957	70,715	1,171.1	100.0%

Mbf Mbf Mbf Mbf