

VERMONT FOREST RESOURCE HARVEST SUMMARY - 2000

2000 AT A GLANCE

Major report categories summarized
for 2000, 1999, 1998, 1997, 1996

Category (units)	2000	1999	1998	1997	1996
Total Harvest (cords)	1,026,759	972,623	1,093,332	1,177,184	1,237,700
North	658,393	625,528	713,427	799,863	891,100
South	368,366	347,094	379,905	377,321	346,600
Sawlogs (Mbf)	246,819	249,898	265,481	293,480	293,847
hardwoods	118,153	112,832	123,408	131,595	108,477
softwoods	128,666	137,066	142,073	161,885	185,370
Log Exports (Mbf)	79,154	76,139	76,123	76,055	103,366
hardwoods	19,712	23,927	23,933	19,808	13,286
softwoods	59,442	52,212	52,190	56,247	90,080
Log Imports (Mbf)	46,812	80,620	80,001	79,298	68,835
hardwoods	34,421	56,691	55,074	46,376	46,089
softwoods	12,391	23,929	25,927	32,922	22,746
Pulpwood (cords)	356,601	303,335	410,590	438,478	406,822
hardwoods	205,924	168,787	222,005	224,500	211,557
softwoods	150,677	134,548	188,585	213,978	195,265
Whole Tree Chips (gt)	193,932	121,965	128,001	191,726	301,083
pulp	0	0	0	54,730	56,133
fuel	193,932	121,965	128,001	136,996	244,950
Mills (#)	169	156	196	182	160
Consumption (Mbf)	214,746	260,855	270,369	296,723	259,316
hardwoods	133,551	145,601	154,549	158,163	141,280
softwoods	81,195	115,254	115,810	138,560	118,036
Mill Residues (gt)	195,983	203,907	242,809	289,126	275,311
pulp	75,259	98,591	128,347	181,537	169,294
fuel	58,706	105,316	114,462	107,589	106,017

Mbf: Thousand board feet
cords: cords
gt: green tons

VERMONT FOREST RESOURCE HARVEST SUMMARY - 2000

Summation of all products by region
Sawlogs, veneer logs, pulpwood, boltwood, and whole tree chips
Volumes in cords

where 2 cords = 1 Mbf

2.5 green tons = 1 cord

Species	North	South	Total
Ash	13,218	19,838	33,056
Aspen	23,804	6,424	30,228
Basswood	840	1,178	2,018
Beech	3,584	7,190	10,774
White Birch	6,828	8,550	15,378
Yellow Birch	8,036	9,184	17,220
Butternut	362	342	704
Cherry	1,722	5,860	7,582
Elm	434	24	458
Sugar Maple	45,694	38,814	84,508
Red Maple	10,338	14,238	24,576
Red Oak	5,790	17,236	23,026
White Oak	400	3,886	4,286
Other Hardwoods	148,254	39,162	187,416
Total Hardwood	269,304	171,926	441,230
Hemlock	20,962	8,552	29,514
White Pine	101,348	95,254	196,602
Red Pine	5,028	2,098	7,126
Spruce/Fir	134,838	5,116	139,954
Tamarack	262	12	274
Cedar	10,152	28,839	38,991
Other Softwoods	22,383	1,519	23,902
Total Softwood	294,973	141,390	436,363
Mill Residues	25,047	46,546	71,593
Whole Tree Chips	69,069	8,504	77,573
Total Harvest	658,393	368,366	1,026,759

cords

- † Other Hardwood category includes volumes from other listed species
- † Whole Tree Chips and Residues are not broken down by species in reporting
- † Firewood volume is not included
- ◆ North: Caledonia, Essex, Franklin/Grand Isle, Lamoille, Orange, Orleans, Washington Counties
- ◆ Addison, Bennington, Chittenden, Rutland, Windham, Windsor

Vermont Department of Forests, Parks & Recreation

VERMONT SAWLOG AND VENEER LOG HARVEST - 2000

Volumes in Mbf (thousand board feet)

Species	County													TOTAL
	ADD	BEN	CAL	CHI	ESS	FRA	LAM	ORA	ORL	RUT	WAS	WIH	WIS	
Ash	751	2,175	1,342	184	120	959	2,933	375	538	3,248	342	1,450	2,111	16,528
Aspen	286	454	229	5	70	9	107	61	386	997	379	308	390	3,681
Basswood	99	76	34	21	11	104	147	23	56	156	45	52	185	1,009
Beech	363	414	66	55	32	151	325	614	310	1,457	294	430	876	5,387
White Birch	503	729	428	26	333	61	760	746	517	1,968	569	664	885	8,189
Yellow Birch	435	691	411	76	680	402	917	597	553	1,675	458	836	879	8,610
Butternut	13	9	7	14	12	44	77	6	21	64	14	16	55	352
Cherry	72	1,927	30	29	43	158	316	28	211	211	75	390	301	3,791
Elm	1	1	140	3	0	1	8	0	66	2	2	3	2	229
Sugar Maple	3,684	3,186	2,336	663	1,106	3,430	6,568	2,402	4,655	5,159	2,350	3,117	3,598	42,254
Red Maple	1,102	826	473	108	263	991	1,316	828	746	1,994	552	1,495	1,594	12,288
Red Oak	545	1,514	155	167	135	870	590	328	426	1,639	391	2,870	1,883	11,513
White Oak	191	219	24	158	3	23	82	8	39	663	21	691	21	2,143
Other HW	239	232	108	103	33	28	52	19	57	582	95	403	228	2,179
Total HW	8,284	12,453	5,783	1,612	2,841	7,231	14,198	6,035	8,581	19,815	5,587	12,725	13,008	118,153
Hemlock	646	101	601	502	90	1,842	518	975	1,376	363	367	1,035	561	8,977
White Pine	2,424	1,994	9,231	2,973	639	4,764	3,315	7,322	2,831	5,565	3,364	10,317	10,044	64,783
Red Pine	46	97	154	124	884	187	31	681	543	268	34	143	371	3,563
Spruce/Fir	102	122	3,219	395	22,531	260	2,847	922	11,744	129	3,042	414	384	46,111
Tamarack	0	0	58	0	12	0	15	6	18	6	22	0	0	137
Cedar	0	0	1,490	2	208	10	7	11	3,310	12	40	0	5	5,095
Total SW	3,218	2,314	14,753	3,996	24,364	7,063	6,733	9,917	19,822	6,343	6,869	11,909	11,365	128,666
TOTAL	11,502	14,767	20,536	5,608	27,205	14,294	20,931	15,952	28,403	26,158	12,456	24,634	24,373	246,819

Mbf

County Labels	ADD	Addison	ESS	Essex	ORL	Orleans	WIH	Windham
	BEN	Bennington	FRA	Franklin/Grand Isle	RUT	Rutland	WIS	Windsor
	CAL	Caledonia	LAM	Lamoille	WAS	Washington		
	CHI	Chittenden	ORA	Orange				

Vermont Department of Forests, Parks & Recreation

EXPORT OF SAWLOGS & VENEER LOGS - 2000

(to other states and countries)

Volumes in Mbf

Exported to:

Species	Canada	Mass.	Maine	NH	NY	overseas	total
ash	3,421	0	18	307	404	0	4,150
aspen	1	0	0	161	48	0	210
basswood	41	0	0	1	10	0	52
beech	21	0	194	76	223	0	514
white birch	335	0	968	64	175	0	1,542
yellow birch	183	0	179	40	294	0	696
butternut	124	0	0	0	0	0	124
cherry	22	0	22	0	296	7	347
elm	220	0	0	0	0	0	220
sugar maple	4,001	0	331	951	1,156	0	6,439
red maple	360	0	228	515	72	0	1,175
red oak	988	0	0	484	525	0	1,997
white oak	14	0	0	0	1,605	0	1,619
other hardwoods	70	0	39	17	501	0	627
total hw	9,801	0	1,979	2,616	5,309	7	19,712
hemlock	2,000	0	0	882	0	0	2,882
white pine	1,106	0	215	15,509	64	0	16,894
red pine	2,815	0	85	59	0	0	2,959
spruce/fir	36,298	0	0	278	0	0	36,576
tamarack	20	0	0	28	0	0	48
cedar	73	0	0	10	0	0	83
total sw	42,312	0	300	16,766	64	0	59,442
TOTAL	52,113	0	2,279	19,382	5,373	7	79,154

Mbf

IMPORT OF SAWLOGS & VENEER LOGS - 2000

Volumes in Mbf

Imported from:

Species	Canada	CT	Mass.	Maine	NH	NY	total
ash	0	129	244	145	688	1,003	2,209
aspen	0	0	5	0	3	3	11
basswood	0	0	0	0	12	125	137
beech	0	0	0	0	66	187	253
white birch	0	23	10	0	272	343	648
yellow birch	27	135	70	0	294	1,974	2,500
butternut	0	0	0	0	4	501	505
cherry	0	0	90	0	70	2,203	2,363
elm	0	0	0	0	0	0	0
sugar maple	3	0	450	0	1,261	3,871	5,585
red maple	0	175	151	2	1,151	2,691	4,170
red oak	0	1,578	850	0	4,488	7,955	14,871
white oak	0	0	150	0	28	211	389
other hardwoods	0	226	1	3	84	466	780
total hw	30	2,266	2,021	150	8,421	21,533	34,421
hemlock	35	0	250	0	210	275	770
white pine	57	0	150	69	4,355	6,466	11,097
red pine	0	0	0	0	18	59	77
spruce/fir	182	0	25	128	15	37	387
tamarack	0	0	0	0	0	0	0
cedar	60	0	0	0	0	0	60
total sw	334	0	425	197	4,598	6,837	12,391
TOTAL	364	2,266	2,446	347	13,019	28,370	46,812

Mbf

VERMONT PULPWOOD HARVEST - 2000

Volumes in cords

County

Species	ADD	BEN	CAL	CHI	ESS	FRA	LAM	ORA	ORL	RUT	WAS	WIH	WIS	total
aspen	0	0	9,499	*	2,776	62	232	5,935	*	*	1,912	87	1,415	22,866
other hardwoods	4,457	7,879	28,723	927	44,733	5,780	10,075	26,418	27,107	2,679	4,634	2,819	16,827	183,058
total hardwoods	4,457	7,879	38,222	*	47,509	5,842	10,307	32,353	*	*	6,546	2,906	18,242	205,924
hemlock	404	419	704	*	913	1,724	219	1,582	3,854	815	428	484	0	11,560
white pine	1,899	5,925	9,663	1,832	1,364	5,243	2,050	9,631	4,828	6,091	5,637	6,173	6,700	67,036
spruce/fir	87	463	10,421	0	8,786	1,665	2,205	2,605	18,225	817	1,801	*	211	47,732
cedar	0	0	0	0	0	0	0	0	0	0	0	*	0	447
other softwoods	*	0	10,263	282	2,421	863	374	6,345	383	0	1,734	*	757	23,902
total softwoods	*	6,807	31,051	*	13,484	9,495	4,848	20,163	27,290	7,723	9,600	*	7,668	150,677
Total	7,308	14,686	69,273	3,083	60,993	15,337	15,155	52,516	55,303	10,416	16,146	10,475	25,910	356,601

cords

* - data withheld to prevent disclosure of individual mill data

Note: All pulpwood is exported from Vermont to neighboring states or provinces.

WOOD CHIP PRODUCTION - 2000

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	*	3,058	0	*	0	0	17,275	*	185	5,001	0	12,474	*	65,193
softwood pulp	665	1,327	*	0	0	*	4,738	*	*	11,923	0	18,613	0	60,325
Total pulp	665	4,385	0	0	0	0	22,013	0	185	16,924	0	31,087	0	75,259
hardwood fuel	8,789	0	24	1,434	*	*	5,688	60	6,248	3,489	0	12,383	578	48,861
softwood fuel	0	0	0	15,864	0	*	0	590	3,000	*	0	*	559	21,604
Total fuel	8,789	0	24	17,298	0	0	5,688	650	9,248	3,489	0	12,383	1,137	58,706
Total	20,954	4,385	4,284	23,798	1,000	3,083	27,701	17,550	16,291	21,013	0	43,587	3,337	195,983

gt

* - data withheld to prevent disclosure of individual mill data

76,434

Columns and rows do not sum to totals to prevent disclosure of individual mill data.

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	*	0	32,535	*	58,498	*	*	13,577	48,916	0	3,927	*	*	193,932
Total	*	0	32,535	*	58,498	*	*	13,577	48,916	0	3,927	*	*	193,932

gt

* - data withheld to prevent disclosure of individual mill data

75,634

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

cords

Vermont Department of Forests, Parks & Recreation

DEMAND BY PRIMARY MILLS IN VERMONT - 2000

Volumes in Mbf

County	Commercial	Small	Specialty	Veneer	Idle	Mills	Mbf	Hardwood	Softwood
Addison	23,915	234	357	0	0	12	24,506	23,256	1,250
Bennington	15,646	143	0	0	0	7	15,789	13,956	1,833
Caledonia	13,473	503	*	0	0	19	14,159	1,245	12,914
Chittenden	18,054	78	0	0	0	9	18,132	4,588	13,544
Essex	*	54	0	0	0	5	8,919	*	54
Franklin	*	*	0	0	0	4	2,698	228	2,470
Lamoille	15,822	96	*	0	0	12	16,538	13,958	2,580
Orange	10,886	368	0	0	0	10	11,254	1,173	10,081
Orleans	11,149	1,731	1,501	*	0	18	31,758	20,347	11,411
Rutland	25,343	472	*	*	0	16	44,101	29,139	14,962
Washington	0	495	*	0	0	12	1,043	83	960
Windham	16,642	1,869	*	0	0	23	18,555	10,529	8,026
Windsor	5,412	1,686	196	0	0	22	6,814	6,184	630
Total Mbf	167,315	7,839	8,299	*	0		214,746	133,551	81,195
# of Mills	47	93	13	2	14	169			

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

Column sum may not equal total due to data withheld to prevent disclosure of individual mill data.

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

Consumption of Sawlogs and Veneer Logs by Mill Size

Mill Class & Capacity	No. of Mills	2000 Volume	Percent of total	Average Volume	2000 Hardwood	2000 Softwood
I. Over 10 MMbf	5	66,981	31.2%	13,396.2	54,378	12,603
II. 5 - 10 MMbf	9	66,935	31.2%	7,437.2	33,168	33,767
III. 2.5 -5 MMbf	14	49,274	22.9%	3,519.6	33,767	15,507
IV. 1 -2.5 MMbf	13	20,245	9.4%	1,557.3	9,366	10,879
V. 0.5- 1 MMbf	5	2,643	1.2%	528.6	936	1,707
VI. 0.1-0.5 MMbf	30	6,508	3.0%	216.9	1,344	5,164
VII. Under 0.1 MMbf	93	2,160	1.0%	23.2	592	1,568
Total	169	214,746	100%	1,270.7	133,551	81,195

total includes idle mills