



Washington Mill Survey 2000

Series Report #17



February 2006



WASHINGTON STATE DEPARTMENT OF
Natural Resources
Doug Sutherland - Commissioner of Public Lands

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Introduction

Based on questionnaires to all managers and owners of Washington's timber mills, this report covers production, volumes and mill characteristics during the year 2000. This report (Series 17) is being published after the report for the year 2002 (Series 16).

Although other government agencies and private business associations offer generalized summaries of the forest product industry this survey provides details available nowhere else, including sources for logs, mill capacities, tree species, days of operation, and the use of wood residues.

Published biennially, the Washington Mill Survey is organized as a comprehensive look at this major state industry, which employs more than 40,000 residents. As the aerospace and computer software businesses gain attention, Washington's original top industry remains significant. Washington is the largest producer of softwood products in the United States.

This survey is intended to provide information for a broad audience of business managers, national and international economists and public officials. It documents the effects of national markets, environmental protection and global commerce on the forest products industries in Washington.

Statistics are given as "operations" which include mills (such as saw mills, pulp mills, etc.) and operations (for log export). The seven timber industries include::

- Sawmills
- Pulp mills
- Shake and Shingle
- Veneer & Plywood
- Post, Pole and Piling
- Log export operations
- Whole log chipping

Since this survey covers the entire industry sampling errors are not a factor. However, when some data was not provided by mill owners or managers, estimates were calculated from data in previous years.

Most of the statistics are distributed among five geographic/economic regions — rather than 39 counties — to avoid corporate disclosure.

Abbreviations and Conversions

Lumber volume

- board foot:** a piece of wood 12 inches x 12 inches x 1 inch
- mbf:** one thousand board feet (this report uses Scribner log rule method).
- mmbf:** one million board feet
- lumber tally:** roughly equal to 2/3 Scribner log rule measurement
(1 mbf Scribner is equal to 1.5 mbf lumber tally)

Plywood / Veneer

- msf:** thousand square feet 3/8 inch basis

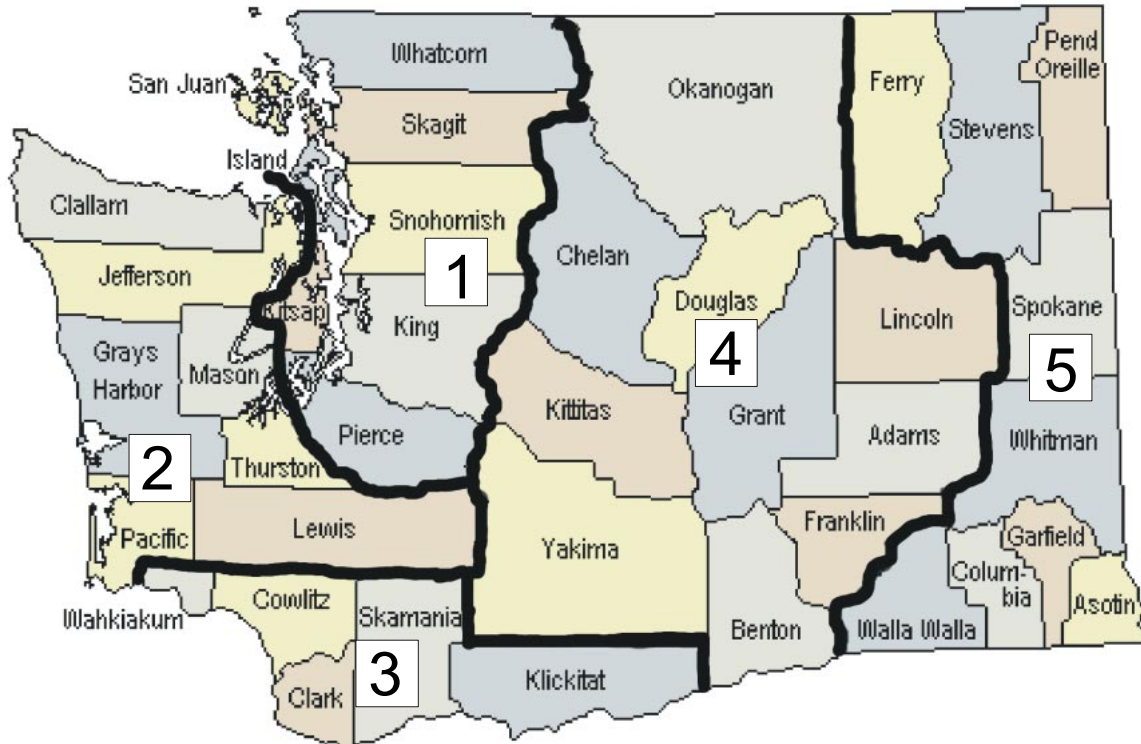
Pulp

- ton:** 2,000 pounds
- bone dry tons (BDT):** 1.2 tons or 2,400 pounds
- air dry metric tons (ADMT):** 2,200 pounds; with 10% water content

Shake and Shingle:

- square:** 10 square feet (5 squares makes a cord)
- bundle:** 5 bundles makes a square
- cord:** 1 mbf; 128 cubic feet (stacked); 80 cubic feet of solid wood

The Economic Regions used in this report



Throughout this report these regions are used to indicate the location of mill operations and where timber is harvested.

1. Puget Sound
2. Olympic Peninsula
3. Lower Columbia
4. Central Washington
5. Inland Empire

Washington Mill Survey 2000

Washington Statewide Summary

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Table 1
Number of operations — by county and timber industry (mills and export businesses)

Economic area and county of operation	All Industries	Lumber	Veneer and Plywood	Pulp and Board	Shake and Shingle	Log Export	Post, pole, and piling	Roundwood Chipping
Puget Sound								
King	3	2	0	0	0	1	0	0
Kitsap	1	0	0	0	0	1	0	0
Pierce	20	6	1	2	0	7	1	3
Skagit	6	3	0	0	1	1	0	1
Snohomish	20	10	0	1	3	4	1	1
Whatcom	4	1	1	1	0	0	1	0
Total	54	22	2	4	4	14	3	5
Olympic Peninsula								
Clallam	22	3	1	1	8	6	0	3
Grays Harbor	39	6	4	1	22	4	0	2
Jefferson	2	1	0	1	0	0	0	0
Lewis	18	10	1	0	4	0	1	2
Mason	10	4	1	0	0	1	1	3
Pacific	4	2	0	0	2	0	0	0
Thurston	11	3	1	0	0	5	1	1
Total	106	29	8	3	36	16	3	11
Lower Columbia								
Clark	4	2	0	2	0	0	0	0
Cowlitz	26	6	0	4	0	12	0	4
Klickitat	2	1	1	0	0	0	0	0
Skamania	1	1	0	0	0	0	0	0
Wahkiakum	2	0	0	0	2	0	0	0
Total	35	10	1	6	2	12	0	4
Central Washington								
Chelan	2	2	0	0	0	0	0	0
Kittitas	1	0	0	0	0	0	0	1
Okanogan	4	3	1	0	0	0	0	0
Yakima	5	3	1	1	0	0	0	0
Total	12	8	2	1	0	0	0	1
Inland Empire								
Asotin	2	1	0	0	0	0	0	1
Ferry	2	1	0	0	0	0	1	0
Pend Orielle	2	0	0	1	0	0	0	1
Spokane	1	0	0	1	0	0	0	0
Stevens	11	6	1	0	0	0	3	1
Walla Walla	2	0	0	2	0	0	0	0
Whitman	1	0	0	0	0	0	0	1
Total	21	8	1	4	0	0	4	4
State Total	228	77	14	18	42	42	10	25

Table 2
Logs consumed — by type

Economic area of operation	All	Sound	Utility	Other	Residue
	roundwood	logs	logs	wood	
	————— thousand board feet, Scribner rule				————— bone dry tons
Puget Sound	1,041,148	986,281	54,868	1,410	1,764,146
Olympic Peninsula	1,452,898	1,230,353	222,545	12,674	831,304
Lower Columbia	862,264	791,302	70,962	540	4,499,017
Central Washington	323,047	302,566	20,481	0	77,028
Inland Empire	487,157	339,803	147,354	0	1,110,139
State total	4,166,514	3,650,305	516,210	14,624	8,281,634

Table 3
Logs consumed by state of origin(thousand board feet, Scribner scale)

Economic area of operation	All	Washington	Oregon	Idaho	Montana	British	
						Columbia	Other
Puget Sound	1,041,148	928,486	250	3,920	0	100,561	7,931
Olympic Peninsula	1,452,898	1,392,753	9,576	0	0	38,475	12,094
Lower Columbia	862,264	564,251	297,263	0	0	750	0
Central Washington	323,047	322,807	0	240	0	0	0
Inland Empire	487,157	348,386	3,705	111,853	17,971	5,243	0
State total	4,166,514	3,556,683	310,793	116,013	17,971	145,028	20,026

Table 4: continued

Logs consumed — by location of operation and county of harvest

(thousand board feet, Scribner scale)

Economic area and county of operation	Washington	County of log harvest: Puget Sound						
	State Total All Counties	Island	King	Kitsap	Pierce	Skagit	Snohomish	Whatcom
Puget Sound								
King	154,117	0	67,721	0	56,922	1,071	8,975	0
Kitsap	57	0	0	57	0	0	0	0
Pierce	380,484	0	34,712	36,733	109,416	3,102	8,238	703
Skagit	52,270	1,012	0	1,417	0	29,363	685	10,685
Snohomish	326,244	316	22,466	2,323	398	80,476	120,018	51,485
Whatcom	15,315	131	66	0	0	2,824	1,162	10,758
Total	928,486	1,459	124,965	40,529	166,736	116,837	139,078	73,631
Olympic Peninsula								
Clallam	185,703	0	0	0	1,153	1,095	935	0
Grays Harbor	485,761	0	0	194	4,035	1,458	486	0
Jefferson	21,753	0	0	0	0	0	0	0
Lewis	266,982	0	8,400	4,712	53,939	2,700	6,600	0
Mason	293,517	0	6,844	22,127	12,286	3,332	10,407	0
Pacific	93,813	0	0	0	0	0	0	0
Thurston	45,223	0	4,750	0	2,339	0	0	0
Total	1,392,753	0	19,994	27,033	73,752	8,584	18,428	0
Lower Columbia								
Clark	35,950	0	0	0	0	0	0	0
Cowlitz	467,896	0	1,385	0	0	0	0	0
Klickitat	28,145	0	0	0	0	0	0	0
Skamania	32,240	0	0	0	0	0	0	0
Wahkiakum	20	0	0	0	0	0	0	0
Total	564,251	0	1,385	0	0	0	0	0
Central Washington								
Chelan	40,476	0	1,600	0	0	2,400	4,800	1,200
Kittitas	13,793	0	276	0	0	0	0	0
Okanogan	95,572	0	0	0	0	0	0	0
Yakima	172,966	0	0	0	0	0	0	0
Total	322,807	0	1,876	0	0	2,400	4,800	1,200
Inland Empire								
Asotin	8,788	0	0	0	0	0	0	0
Ferry	39,195	0	0	0	0	0	0	0
Pend Orielle	31,973	0	0	0	0	0	0	0
Stevens	267,450	0	2,721	0	0	0	0	0
Whitman	980	0	0	0	0	0	0	0
Total	348,386	0	2,721	0	0	0	0	0
State Total	3,556,683	1,459	150,941	67,562	240,487	127,822	162,306	74,831

Table 4: continued

Logs consumed — by location of operation and county of harvest

(thousand board feet, Scribner scale)

Economic area and county of operation	County of log source: Olympic Peninsula						
	Clallam	Grays Harbor	Jefferson	Lewis	Mason	Pacific	Thurston
Puget Sound							
King	0	1,071	0	1,071	1,071	0	15,141
Kitsap	0	0	0	0	0	0	0
Pierce	55,025	24,177	15,154	16,268	32,709	0	35,255
Skagit	7,286	0	1,619	0	0	0	0
Snohomish	20,415	0	13,200	0	9,535	0	0
Whatcom	44	0	0	0	0	0	0
Total	82,770	25,249	29,974	17,339	43,315	0	50,397
Olympic Peninsula							
Clallam	136,634	3,740	42,147	0	0	0	0
Grays Harbor	6,827	229,218	4,219	52,416	30,923	131,336	24,650
Jefferson	9,789	1,088	10,877	0	0	0	0
Lewis	5,800	24,568	800	90,126	6,527	9,663	18,923
Mason	8,292	48,113	24,558	5,245	116,833	1,873	33,608
Pacific	2,051	19,209	0	178	0	63,886	0
Thurston	0	1,263	0	6,751	1,350	0	23,206
Total	169,393	327,198	82,600	154,716	155,633	206,757	100,388
Lower Columbia							
Clark	0	0	0	5,488	0	0	0
Cowlitz	3,003	3,207	0	105,497	0	20,300	8,903
Klickitat	0	0	0	0	0	0	0
Skamania	0	0	0	0	0	0	0
Wahkiakum	0	20	0	0	0	0	0
Total	3,003	3,227	0	110,984	0	20,300	8,903
Central Washington							
Chelan	0	0	0	0	0	0	0
Kittitas	0	0	0	0	0	0	0
Okanogan	0	0	0	0	0	0	0
Yakima	0	0	0	0	0	0	0
total	0	0	0	0	0	0	0
Inland Empire							
Asotin	0	0	0	0	0	0	0
Ferry	0	0	0	0	0	0	0
Pend Orielle	0	0	0	0	0	0	0
Stevens	0	8,779	0	0	0	0	0
Whitman	0	0	0	0	0	0	0
Total	0	8,779	0	0	0	0	0
State Total	255,166	364,452	112,574	283,040	198,948	227,057	159,687

Table 4: continued

Logs consumed — by location of operation and county of harvest
(thousand board feet, Scribner scale)

County of log source: Lower Columbia					
Economic area and county of operation	Clark	Cowlitz	Klickitat	Skamania	Wahkiakum
Puget Sound					
King	0	0	0	0	0
Kitsap	0	0	0	0	0
Pierce	0	2,508	0	0	0
Skagit	0	0	0	0	0
Snohomish	0	0	0	0	0
Whatcom	0	0	0	0	0
Total	0	2,508	0	0	0
Olympic Peninsula					
Clallam	0	0	0	0	0
Grays Harbor	0	0	0	0	0
Jefferson	0	0	0	0	0
Lewis	122	6,081	0	12,000	2,700
Mason	0	0	0	0	0
Pacific	0	0	0	0	8,490
Thurston	1,764	0	0	0	0
Total	1,886	6,081	0	12,000	11,190
Lower Columbia					
Clark	7,588	11,900	0	5,488	0
Cowlitz	33,917	236,324	7,077	15,294	25,254
Klickitat	0	0	19,420	1,689	0
Skamania	3,224	0	14,508	14,508	0
Wahkiakum	0	0	0	0	0
Total	44,729	248,224	41,005	36,979	25,254
Central Washington					
Chelan	0	0	5	0	0
Kittitas	0	0	0	0	0
Okanogan	0	0	0	0	0
Yakima	0	0	28,522	0	0
Total	0	0	28,526	0	0
Inland Empire					
Asotin	0	0	0	0	0
Ferry	0	0	0	0	0
Pend Orielle	0	0	0	0	0
Stevens	0	0	0	0	0
Whitman	0	0	0	0	0
Total	0	0	0	0	0
State Total	46,614	256,814	69,531	48,979	36,443

Table 4: continued

Logs consumed — by location of operation and county of harvest
(thousand board feet, Scribner scale)

County of log source: Central Washington						
Economic area and county of operation	Chelan	Douglas	Kittitas	Lincoln	Okanogan	Yakima
Puget Sound						
King	0	0	1,071	0	0	0
Kitsap	0	0	0	0	0	0
Pierce	64	0	5,165	0	0	1,254
Skagit	0	0	0	0	0	0
Snohomish	2,700	0	213	0	2,700	0
Whatcom	0	0	0	0	0	0
Total	2,764	0	6,449	0	2,700	1,254
Olympic Peninsula						
Clallam	0	0	0	0	0	0
Grays Harbor	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0
Lewis	0	0	81	0	0	13,241
Mason	0	0	0	0	0	0
Pacific	0	0	0	0	0	0
Thurston	0	0	3,800	0	0	0
Total	0	0	3,881	0	0	13,241
Lower Columbia						
Clark	0	0	0	0	0	5,488
Cowlitz	0	0	0	0	0	7,735
Klickitat	0	0	0	0	0	7,036
Skamania	0	0	0	0	0	0
Wahkiakum	0	0	0	0	0	0
Total	0	0	0	0	0	20,259
Central Washington						
Chelan	14,405	0	7,200	0	7,200	1,200
Kittitas	5,241	0	7,586	0	0	690
Okanogan	3,550	0	0	710	45,489	0
Yakima	3,740	588	35,802	0	600	103,715
Total	26,936	588	50,588	710	53,289	105,604
Inland Empire						
Asotin	0	0	0	0	0	0
Ferry	0	0	0	0	5,250	0
Pend Orielle	0	0	0	0	0	0
Stevens	0	0	4,097	2,005	1,361	0
Whitman	0	0	0	0	0	0
Total	0	0	4,097	2,005	6,611	0
State Total	29,700	588	65,015	2,715	62,599	140,358

Table 4: continued

Logs consumed — by location of operation and county of harvest

(thousand board feet, Scribner rule)

Economic area and county of operation	County of log source: Inland Empire							
	Asotin	Columbia	Ferry	Garfield	Pend Orielle	Spokane	Stevens	Whitman
Puget Sound								
King	0	0	0	0	0	0	0	0
Kitsap	0	0	0	0	0	0	0	0
Pierce	0	0	0	0	0	0	0	0
Skagit	0	0	0	0	0	0	0	0
Snohomish	0	0	0	0	0	0	0	0
Whatcom	0	0	0	0	0	0	0	329
Total	0	0	0	0	0	0	0	329
Olympic Peninsula								
Clallam	0	0	0	0	0	0	0	0
Grays Harbor	0	0	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0	0	0
Lewis	0	0	0	0	0	0	0	0
Mason	0	0	0	0	0	0	0	0
Pacific	0	0	0	0	0	0	0	0
Thurston	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Lower Columbia								
Clark	0	0	0	0	0	0	0	0
Cowlitz	0	0	0	0	0	0	0	0
Klickitat	0	0	0	0	0	0	0	0
Skamania	0	0	0	0	0	0	0	0
Wahkiakum	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Central								
Chelan	0	0	0	0	419	0	48	0
Kittitas	0	0	0	0	0	0	0	0
Okanogan	0	0	37,658	0	2,840	0	5,325	0
Yakima	0	0	0	0	0	0	0	0
Total	0	0	37,658	0	3,259	0	5,373	0
Inland Empire								
Asotin	559	3,855	0	1,118	0	2,880	320	56
Ferry	0	0	16,445	0	0	0	17,500	0
Pend Orielle	0	0	0	0	15,987	6,395	9,592	0
Stevens	0	0	46,407	0	28,298	17,832	155,949	0
Whitman	235	39	0	0	0	706	0	0
Total	794	3,895	62,852	1,118	44,285	27,812	183,361	56
State Total	794	3,895	100,511	1,118	47,544	27,812	188,734	385

Table 4: continued

Logs consumed — by location of operation and county of harvest

(thousand board feet, Scribner rule)

County of log source: Out of State					
Economic area and county of operation	Oregon	Idaho	Montana	British Columbia	Other
Puget Sound					
King	0	0	0	21,182	0
Kitsap	0	0	0	0	0
Pierce	0	3,920	0	39,596	4,083
Skagit	0	0	0	13,535	0
Snohomish	250	0	0	23,252	3,848
Whatcom	0	0	0	2,996	0
Total	250	3,920	0	100,561	7,931
Olympic Peninsula					
Clallam	0	0	0	1,895	1,389
Grays Harbor	0	0	0	29,980	2,000
Jefferson	0	0	0	0	0
Lewis	7,541	0	0	4,100	4,025
Mason	0	0	0	2,500	4,680
Pacific	1,915	0	0	0	0
Thurston	120	0	0	0	0
Total	9,576	0	0	38,475	12,094
Lower Columbia					
Clark	3,874	0	0	0	0
Cowlitz	284,280	0	0	750	0
Klickitat	5,527	0	0	0	0
Skamania	3,582	0	0	0	0
Wahkiakum	0	0	0	0	0
Total	297,263	0	0	750	0
Central Washington					
Chelan	0	0	0	0	0
Kittitas	0	0	0	0	0
Okanogan	0	0	0	0	0
Yakima	0	240	0	0	0
Total	0	240	0	0	0
Inland Empire					
Asotin	2,398	60,725	0	0	0
Ferry	0	0	0	0	0
Pend Orielle	0	18,651	2,664	0	0
Spokane	0	0	0	0	0
Stevens	0	18,429	15,307	5,243	0
Whitman	1,307	14,047	0	0	0
Total	3,705	111,853	17,971	5,243	0
State total	310,793	116,013	17,971	145,028	20,026

Table 5

Logs harvested from National Forests (thousand board feet, Scribner scale)

	All National Forests									
	Olympic	Gifford	Mount Baker/	Snoqualmie	Wenatchee	Okanogan	Colville	Umatilla	Other	
Economic area of operation										
Puget Sound	1,215	0	3,450	735	0	0	0	0	348	
Olympic Peninsula	6,409	559	0	0	0	0	0	0	0	
Lower Columbia	0	866	0	0	0	0	0	0	816	
Central	0	0	0	11,542	8,386	888	0	0	0	
Inland Empire	0	0	0	0	986	19,700	2,822	5,125		
State Total	7,624	1,425	3,450	12,277	9,372	20,587	2,822	6,289		
Industry										
Lumber	3,120	966	3,450	9,276	8,673	9,446	1,996	2,712		
Veneer & plywood	500	0	0	931	413	4,368	0	0		
Pulp & board	4	0	0	0	0	0	0	0		
Shake & shingle	0	30	0	0	0	0	0	348		
Post, pole & piling	0	205	0	0	0	0	0	0		
Roundwood chipping	4,000	224	0	2,069	286	6,774	827	3,229		
State total	7,624	1,425	3,450	12,277	9,372	20,587	2,822	6,289		

Table 6

Number of operations — by percentage of logs supplied from various sources
(number of operations)

Economic area of operation	National Forest				State				Bureau of Land Mgmt.			
	0	1-33%	34-66%	67-100%	0	1-33%	34-66%	67-100%	0	1-33%	34-66%	67-100%
Puget Sound	50	3	0	1	30	17	6	1	52	2	0	0
Olympic Peninsula	96	10	0	0	62	36	4	4	103	3	0	0
Lower Columbia	33	2	0	0	24	10	1	0	35	0	0	0
Central Washington	4	7	1	0	4	8	0	0	12	0	0	0
Inland Empire	12	9	0	0	10	11	0	0	20	1	0	0
State total	195	31	1	1	130	82	11	5	222	6	0	0

Economic area of operation	Other Public				Forest Industry				Other Wood Supply			
	0	1-33%	34-66%	67-100%	Own Wood Supply				0	1-33%	34-66%	67-100%
					0	1-33%	34-66%	67-100%	0	1-33%	34-66%	67-100%
Puget Sound	47	7	0	0	43	5	0	6	17	13	11	13
Olympic Peninsula	94	12	0	0	83	7	7	9	50	16	19	21
Lower Columbia	29	6	0	0	23	4	3	5	16	4	7	8
Central Washington	11	1	0	0	7	4	1	0	6	4	2	0
Inland Empire	19	2	0	0	14	7	0	0	9	9	2	1
State total	200	28	0	0	170	27	11	20	98	46	41	43

Economic area of operation	Native American				Farmer and miscellaneous private			
	0	1-33%	34-66%	67-100%	0	1-33%	34-66%	67-100%
Puget Sound	48	6	0	0	17	24	4	9
Olympic Peninsula	80	22	2	2	50	38	9	9
Lower Columbia	29	4	1	1	14	14	5	2
Central Washington	4	4	2	2	3	5	3	1
Inland Empire	8	10	0	3	8	4	5	4
State total	169	46	5	8	92	85	26	25

Table 7
Log consumption — by log source
 (thousand board feet, Scribner rule)

Economic area of operation	All Owners	State	National Forest	Bureau of Land Management	Other Public
Puget Sound	1,041,148	169,501	5,748	3,130	14,123
Olympic Peninsula	1,452,898	170,398	6,968	736	19,791
Lower Columbia	862,264	55,166	1,683	0	9,186
Central Washington	323,047	24,530	20,815	0	400
Inland Empire	487,157	56,979	25,811	3,364	5,104
State total	4,166,514	476,575	61,025	7,229	48,604

Economic area of operation	Forest Industry		Native American	Farmer and miscellaneous private
	Own Wood Supply	Other Wood Supply		
Puget Sound	187,461	423,290	10,387	227,507
Olympic Peninsula	497,499	578,163	47,259	132,084
Lower Columbia	298,213	287,336	29,530	181,151
Central Washington	50,910	49,659	133,926	42,807
Inland Empire	54,528	116,676	52,776	171,919
State total	1,088,611	1,455,124	273,877	755,468

Table 8

Log consumption — by species (thousand board feet, Scribner rule)

Economic area of operation	All species	Douglas-fir	Hemlock	True firs	Spruce	Ponderosa pine
Puget Sound	1,041,148	544,967	292,069	3,300	8,410	0
Olympic Peninsula	1,452,898	569,822	589,441	16,840	19,679	0
Lower Columbia	862,264	615,607	44,423	35,958	0	905
Central Washington	323,047	142,936	22,179	31,402	2,134	107,505
Inland Empire	487,157	172,859	58,227	34,802	7,612	135,043
State total	4,166,514	2,046,191	1,006,339	122,302	37,835	243,453

Economic area of operation	Lodgepole pine	Western redcedar	Other softwoods	Red alder	Other hardwoods
Puget Sound	0	68,109	709	115,717	7,868
Olympic Peninsula	8,335	75,688	221	138,732	34,138
Lower Columbia	1,129	65,020	818	91,262	7,142
Central Washington	13,601	0	3,290	0	0
Inland Empire	53,683	18,283	6,648	0	0
State total	76,747	227,100	11,686	345,711	49,148

Table 9

Wood and bark residues — production and use (dry weight tons)

Economic area of operation	Total All residues	Total All Wood	Wood Used					Unused
			Total used	Pulp	Board	Fuel	Other	
Wood Residue								
Puget Sound	1,760,448	1,391,443	1,387,815	705,928	21,884	399,349	260,654	3,628
Olympic Peninsula	2,617,642	2,093,288	1,986,303	1,206,231	87,553	514,119	178,400	106,985
Lower Columbia	901,529	709,457	709,457	500,857	59,270	111,868	37,462	0
Central Washington	544,531	457,926	453,854	291,321	41,612	56,934	63,987	4,072
Inland Empire	641,914	531,712	526,300	318,751	117,011	90,158	380	5,412
State total	6,466,064	5,183,826	5,063,729	3,023,088	327,330	1,172,428	540,883	120,097

Bark Residue

Economic area of operation	Total All Bark	Bark Used					Unused
		Total used	Pulp	Board	Fuel	Other	
Puget Sound	369,005	369,005	0	0	125,230	243,775	0
Olympic Peninsula	524,354	511,889	0	0	432,335	79,554	12,465
Lower Columbia	192,072	192,072	0	0	151,513	40,559	0
Central Washington	86,605	82,183	0	0	76,778	5,405	4,422
Inland Empire	110,202	110,202	0	0	104,172	6,030	0
State total	1,282,238	1,265,351	0	0	890,028	375,323	16,887

Table 10

Log consumption — by diameter in inches (thousand board feet, Scribner rule)

Economic area of operation	T otal	Inches			
		less than 5	5 to 10	10 to 20	21 or more
Puget Sound	1,041,148	49,812	455,067	450,363	85,907
Olympic Peninsula	1,452,898	134,824	548,318	644,948	124,808
Lower Columbia	862,264	39,539	235,544	511,051	76,130
Central Washington	323,047	10,895	168,782	89,296	54,074
Inland Empire	487,157	100,409	229,261	134,056	23,431
State total	4,166,514	335,478	1,636,971	1,829,714	364,350

WASHINGTON MILL SURVEY 2000

Sawmills

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Table 11

Number of Sawmills — by mill size class (See note below)

Economic area of operation	All Classes	Mill size class			
		D	C	B	A
Puget Sound	22	4	1	5	12
Olympic Peninsula	29	4	3	6	16
Lower Columbia	10	0	1	1	8
Central Washington	8	1	1	0	6
Inland Empire	8	1	2	0	5
State total	77	10	8	12	47

Table 12

Sawmills capacity — by 8-hour single shift and mill size class (See note below)

(thousand board feet, lumber tally)

Economic area of operation	Total Capacity	Mill size class			
		D	C	B	A
Puget Sound	3,962	53	75	494	3,340
Olympic Peninsula	4,982	38	160	570	4,214
Lower Columbia	2,655	0	75	100	2,480
Central Washington	1,213	30	79	0	1,104
Inland Empire	964	1	115	0	848
State Total	13,776	122	504	1,164	11,986

Mill size classes are determined by the capacity to process lumber (measured in thousand board feet, Scribner rule) during an 8-hour shift.

Class A: More than 120,000 mbf

Class B: 80,000-120,000 mbf

Class C: 40,000-80,000 mbf

Class D: less than 40,000 mbf

Table 13

Number of Sawmills — by selected equipment

Economic area of operation	Barker	Chipper	Planer	Burner	Kiln
Puget Sound	19	19	20	1	15
Olympic Peninsula	26	25	22	1	17
Lower Columbia	10	8	8	0	7
Central Washington	8	7	8	3	8
Inland Empire	7	7	7	2	7
State total	70	66	65	7	54

Table 14

Sawmills average operating days

Economic area of operation	Annual average operating days
Puget Sound	222
Olympic Peninsula	230
Lower Columbia	235
Central Washington	199
Inland Empire	240
State average	226

Table 15
Number of Sawmills — by size and headrig type

Economic area and mill-size class	Circular Saw				Bandsaw			Gang Saw	Chipping Saw	Scragg
	2ft	4ft	6ft	8ft	2ft	4ft	6ft	2ft	2ft	2ft
Puget Sound										
D	0	2	0	0	0	2	0	0	0	0
C	0	0	0	0	1	0	0	1	0	0
B	0	0	0	0	0	4	1	0	1	0
A	0	0	0	0	4	4	4	3	2	1
Total	0	2	0	0	5	10	5	4	3	1
Olympic Peninsula										
D	0	2	0	0	0	2	0	0	0	0
C	0	0	0	1	1	1	1	0	0	0
B	0	0	0	0	2	2	0	1	2	1
A	1	1	0	0	3	7	2	2	6	3
Total	1	3	0	1	6	12	3	3	8	4
Lower Columbia										
C	0	0	0	0	0	0	1	0	0	0
B	0	0	0	0	0	1	0	1	0	0
A	0	0	0	0	1	5	2	0	2	0
Total	0	0	0	0	1	6	3	1	2	0
Central Washington										
D	0	0	0	0	0	0	0	0	0	1
C	0	0	0	0	0	1	0	0	1	0
A	0	0	1	0	1	1	2	1	4	0
Total	0	0	1	0	1	2	2	1	5	1
Inland Empire										
D	1	0	0	0	0	0	0	0	0	0
C	0	0	0	0	0	2	0	0	0	0
A	0	0	0	0	1	3	0	0	3	0
Total	1	0	0	0	1	5	0	0	3	0
State total										
D	1	4	0	0	0	4	0	0	0	1
C	0	0	0	1	2	4	2	1	1	0
B	0	0	0	0	2	7	1	2	3	1
A	1	1	1	0	10	20	10	6	17	4
Total	2	5	1	1	14	35	13	9	21	6

Mill size classes indicate the capacity to process lumber (in thousand board feet, Scribner rule) during an 8-hour shift.

Class A: More than 120 mbf

Class B: 80-120 mbf

Class C: 40-80 mbf

Class D: less than 40 mbf

Table 16

Logs consumed by Sawmills — by log type(thousand board feet, Scribner rule, except Other)

Economic area of operation	Roundwood			Other	
	All roundwood	Sound logs	Utility logs	Peeler cores	Other
					Lumber Tally
Puget Sound	726,068	711,162	14,906	0	0
Olympic Peninsula	882,123	858,547	23,576	400	0
Lower Columbia	402,710	394,533	8,177	0	0
Central Washington	214,548	202,343	12,205	0	0
Inland Empire	277,952	243,516	34,436	0	0
State total	2,503,401	2,410,101	93,300	400	0

Sound logs: logs of sufficient quality for lumber

Utility logs: low quality logs (burned, rotten, etc.) not usually suitable for lumber

Peeler cores: the small-diameter log remains from a veneer or plywood mill

Table 17

Logs consumed by Sawmills — by diameter (in inches)

(thousand board feet, Scribner rule)

Economic area of operation	T otal	Inches			
		less than 5	5 to 10	10 to 20	21 or more
Puget Sound	726,067	27,039	380,196	249,739	69,094
Olympic Peninsula	882,123	46,264	373,294	388,077	74,488
Lower Columbia	402,710	18,032	163,797	183,479	37,402
Central Washington	214,548	5,486	119,533	73,641	15,888
Inland Empire	277,952	37,829	141,971	79,610	18,542
State total	2,503,400	134,650	1,178,791	974,545	215,413

Table 18

Logs consumed by Sawmills — by original owners (thousand board feet, Scribner rule)

Economic area of operation	All Owners	State	National Forest	Bureau of Land Management	Other Public
Puget Sound	726,067	155,498	5,400	2,850	9,243
Olympic Peninsula	882,123	107,433	2,155	162	5,769
Lower Columbia	402,710	41,736	1,433	0	6,943
Central Washington	214,548	11,116	16,739	0	400
Inland Empire	277,952	23,898	11,916	3,364	2,440
State total	2,503,400	339,682	37,643	6,376	24,794

Economic area of operation	— Forest Industry —		Native American	Farmer and miscellaneous private
	Own Supply	Other Supply		
Puget Sound	87,543	248,296	10,320	206,917
Olympic Peninsula	243,581	402,332	42,983	77,709
Lower Columbia	112,007	147,274	24,490	68,827
Central Washington	32,464	24,332	103,993	25,504
Inland Empire	29,384	49,190	27,466	130,294
State total	504,978	871,425	209,252	509,251

Table 19

Number of Sawmills — by percentage of logs supplied from various sources

(degree of dependency)

Economic area of operation	National Forest				State				Bureau of Land Mgmt.			
	0%	1-33%	34-66%	67-100%	0%	1-33%	34-66%	67-100%	0%	1-33%	34-66%	67-100%
Puget Sound	19	3	0	0	6	12	3	1	21	1	0	0
Olympic Peninsula	25	4	0	0	5	20	2	2	28	1	0	0
Lower Columbia	9	1	0	0	3	6	1	0	10	0	0	0
Central Washington	3	4	1	0	3	5	0	0	8	0	0	0
Inland Empire	3	5	0	0	2	6	0	0	7	1	0	0
State total	59	17	1	0	19	49	6	3	74	3	0	0

Economic area of operation	Other Public				Own Wood Supply				Other Wood Supply			
	0%	1-33%	34-66%	67-100%	0%	1-33%	34-66%	67-100%	0%	1-33%	34-66%	67-100%
Puget Sound	17	5	0	0	19	1	0	2	6	6	7	3
Olympic Peninsula	23	6	0	0	19	5	4	1	5	7	12	5
Lower Columbia	7	3	0	0	7	1	1	1	1	3	3	3
Central Washington	7	1	0	0	5	2	1	0	4	3	1	0
Inland Empire	7	1	0	0	3	5	0	0	2	5	1	0
State total	61	16	0	0	53	14	6	4	18	24	24	11

Economic area of operation	Native American				Farmer and miscellaneous private			
	0%	1-33%	34-66%	67-100%	0%	1-33%	34-66%	67-100%
Puget Sound	18	4	0	0	2	11	2	7
Olympic Peninsula	15	13	1	0	7	14	5	3
Lower Columbia	7	2	1	0	1	7	2	0
Central Washington	2	3	1	2	1	4	2	1
Inland Empire	1	6	0	1	1	2	3	2
State total	43	28	3	3	12	38	14	13

Table 20

Logs consumed by Sawmills — by species (thousand board feet, Scribner rule)

Economic area of operation	All species	Douglas-fir	Hemlock	True firs	Spruce	Ponderosa pine
Puget Sound	726,067	289,283	261,117	1,934	8,410	0
Olympic Peninsula	882,123	267,467	404,708	9,900	10,838	0
Lower Columbia	402,710	211,344	23,336	30,432	0	905
Central Washington	214,548	49,392	20,800	24,614	2,134	105,436
Inland Empire	277,952	72,373	13,591	19,664	3,763	122,452
State total	2,503,400	889,859	723,552	86,544	25,144	228,793

Economic area of operation	Lodgepole pine	Western redcedar	Other softwoods	Red alder	Other hardwoods
Puget Sound	0	60,131	0	100,585	4,607
Olympic Peninsula	8,000	70,800	0	102,960	7,450
Lower Columbia	1,129	65,000	564	67,200	2,800
Central Washington	11,532	0	640	0	0
Inland Empire	27,679	17,710	720	0	0
State total	48,340	213,641	1,924	270,745	14,857

Table 21

Wood and bark residues from Sawmills — production and use (dry weight tons)

Economic area of operation	Total	Used					Unused
		Total used	Pulp	Board	Fuel	Other	
All Types							
Puget Sound	1,303,544	1,303,544	659,743	21,884	377,205	244,712	0
Olympic Peninsula	1,659,176	1,659,176	1,034,834	87,553	403,189	133,596	0
Lower Columbia	670,344	670,344	495,544	59,270	78,596	36,932	0
Central Washington	306,047	301,975	171,548	27,378	44,269	58,780	4,072
Inland Empire	404,777	404,777	240,523	95,363	68,510	380	0
State Total	4,343,888	4,339,816	2,602,192	291,448	971,769	474,400	4,072
Coarse							
Puget Sound	719,500	719,500	559,872	0	143,437	16,191	0
Olympic Peninsula	924,816	924,816	833,694	0	90,790	332	0
Lower Columbia	381,429	381,429	338,513	0	42,916	0	0
Central Washington	168,183	168,183	119,567	0	9,486	39,130	0
Inland Empire	222,453	222,453	180,228	0	42,159	66	0
State total	2,416,381	2,416,381	2,031,874	0	328,788	55,719	0
Fine							
Puget Sound	292,976	292,976	55,728	0	114,519	122,729	0
Olympic Peninsula	376,855	376,855	191,960	18,468	144,090	22,337	0
Lower Columbia	155,267	155,267	107,768	8,050	22,480	16,969	0
Central Washington	68,932	65,554	18,305	0	31,705	15,544	3,378
Inland Empire	91,175	91,175	28,779	46,602	15,767	27	0
State total	985,205	981,827	402,540	73,120	328,561	177,606	3,378
Medium							
Puget Sound	291,068	291,068	44,143	21,884	119,249	105,792	0
Olympic Peninsula	357,501	357,501	9,180	69,085	168,309	110,927	0
Lower Columbia	133,646	133,646	49,263	51,220	13,200	19,963	0
Central Washington	68,932	68,238	33,676	27,378	3,078	4,106	694
Inland Empire	91,148	91,148	31,516	48,761	10,584	287	0
State total	942,295	941,601	167,778	218,328	314,420	241,075	694

Table 22

Log consumed by Sawmills — by level of manufacture (thousand board feet, Lumber tally)

Economic area of operation	Total	Moisture			Surface	
		Green	Kiln-dried	Air-dried	Rough	Surfaced
Puget Sound	1,348,536	611,321	735,215	2,000	152,036	1,196,500
Olympic Peninsula	1,735,748	581,395	1,147,138	7,215	165,485	1,570,263
Lower Columbia	714,493	363,116	351,377	0	139,507	574,986
Central Washington	319,133	12,886	290,821	15,425	4,149	314,984
Inland Empire	422,110	98,923	320,687	2,500	16,425	405,685
State total	4,540,020	1,667,641	2,845,239	27,140	477,603	4,062,417

Table 23

Logs consumed by Sawmills — by headrig (thousand board feet, Scribner rule)

Economic area of operation	All types	Circular saw			Chipping saw	Scragg double cut saw
		Band saw	Gang saw			
Puget Sound	1,348,536	343	935,176	231,723	150,900	30,395
Olympic Peninsula	1,735,748	185,700	916,019	98,191	389,778	146,060
Lower Columbia	714,493	0	619,993	17,500	77,000	0
Central Washington	319,133	71,163	132,444	14,400	100,326	800
Inland Empire	422,110	125	267,685	0	154,300	0
State total	4,540,020	257,331	2,871,317	361,814	872,304	177,255

Table 24

Logs consumed by Sawmills — by hardwood and softwood lumber production

(thousand board feet, Lumber tally)

Economic area of operation	Total	Softwoods	Hardwood
Central Washington	319,133	319,133	0
Inland Empire	422,110	422,110	0
Lower Columbia	714,493	647,493	67,000
Olympic Peninsula	1,735,748	1,597,698	138,050
Puget Sound	1,348,536	1,227,697	120,839
State total	4,540,020	4,214,131	325,889

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Veneer and Plywood Mills

Table 25 Numbers of Veneer and Plywood mills — by type of operation
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by Veneer and Plywood mills
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Table 31 Veneer and Plywood production
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Table 27

Numbers of Veneer and Plywood mills — by selected equipment

Economic area of operation	4-foot lathe	8-foot lathe	Slicer	Veneer chipper	Core chipper	Cold press	Hot press	Burner
Puget Sound	0	1	0	1	1	1	2	0
Olympic Peninsula	2	5	0	5	2	0	4	1
Lower Columbia	1	1	0	1	1	0	1	0
Central Washington	0	2	0	2	2	0	2	0
Inland Empire	0	1	0	1	1	0	1	0
State total	3	10	0	10	7	1	10	1

Table 28

Average number of operating days — Veneer and Plywood Mills

Mill type	Average Statewide Days	Number of Mills
Veneer only	260	4
Layup only	297	3
Veneer and layup	250	7
State average	269	14

Table 29

Logs consumed by Veneer and Plywood mills — by diameter
(thousand board feet, Scribner rule)

Minimum diameter (inches)	Volume	Percent
Less than 5	14,451	3
5 to 11	198,521	47
11 to 21	149,465	35
21 or more	62,035	15
State total	424,472	100

Table 30

Wood and bark residues — production and use by Veneer and Plywood mills
(dry weight tons)

Economic area of operation	Total	Used					Unused
		Total used	Pulp	Board	Fuel	Other	
Puget Sound	66,987	66,987	46,185	0	10,789	10,013	0
Olympic Peninsula	268,729	268,729	167,811	0	72,674	28,244	0
Lower Columbia	31,125	31,125	5,313	0	25,812	0	0
Central Washington	151,879	151,879	119,773	14,234	12,665	5,207	0
Inland Empire	126,936	121,524	78,228	21,648	21,648	0	5,412
State total	645,656	640,244	417,310	35,882	143,588	43,464	5,412

Table 31

Veneer and Plywood production

(thousand square feet, 3/8-inch basis)

Product	Volume
Veneer	482,686
Plywood	1,084,365
Other	0
State total	1,567,051

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Pulp and Board Mills

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Table 33 Pulp Mill capacities — by type of mill
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Table 36 Wood fiber consumption by Pulp and Board Mills — by type
(not roundwood)
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Table 37 Roundwood chip consumption by Pulp Mills — by state or
province of source
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Table 38 Roundwood chip consumption by Pulp Mills — by species
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Table 32
Numbers of Pulp Mills — by processing type

Economic area of operation	All mills	Sulfite	Sulfate	Groundwood	Semi-chemical	Board mill
Puget Sound	4	2	1	1	0	0
Olympic Peninsula	3	1	1	1	0	0
Lower Columbia	6	1	3	1	1	0
Central Washington	0	0	0	0	0	1
Inland Empire	4	0	1	2	1	0
State total	17	4	6	5	2	1

Table 33
Pulp Mills' capacity — by type of mill (thousand square feet, 3/8-inch basis)

Pulp Mill type	Capacity	Number of Pulp Mills
Sulfite	2,021	4
Sulfate	7,908	6
Groundwood and Semi-chemical	7,029	7
State total	16,958	17

Table 34
Average operating days of Pulp Mills

Type of pulp operation	Avg. Operating Days
Sulfite	356
Sulfate	353
Groundwood and Semi-chemical	345
State average	351

Table 35

Pulp Mill production — by product and type of operation (bone dry tons)

	All products	Products				
		Newsprint	Bleached paper	Unbleached paper	Other paper	Market pulp
Economic area of operation						
Puget Sound	991,491	157,551	27,406	51,709	437,779	317,046
Olympic Peninsula	413,602	0	0	138,657	140,945	134,000
Lower Columbia	2,579,165	707,805	870,262	933,581	0	67,517
Central Washington	0	0	0	0	0	0
Inland Empire	767,891	336,191	204,300	0	113,400	114,000
State total	4,752,149	1,201,547	1,101,968	1,123,947	692,124	632,563
Type of Operation						
Sulfite	765,618	0	144,523	20,226	195,747	405,122
Sulfate	2,486,008	0	957,445	1,059,090	242,032	227,441
Groundwood	1,342,492	1,201,547	0	0	140,945	0
Semi-chemical	158,031	0	0	44,631	113,400	0
State total	4,752,149	1,201,547	1,101,968	1,123,947	692,124	632,563

Table 36

Wood fiber consumption by Pulp and Board Mills — by type (not roundwood)

(bone dry tons)

Economic area of operation	Total	Chips			Sawdust and shavings	Waste paper
		Total Chips	From mill residues	From roundwood chipping mill		
Puget Sound	1,764,146	1,522,967	1,127,465	395,500	0	241,181
Olympic Peninsula	831,304	712,142	379,552	332,590	43,008	76,154
Lower Columbia	4,499,017	4,268,004	2,694,183	1,573,821	188,483	42,530
Central Washington	77,028	77,028	77,028	0	0	0
Inland Empire	1,110,139	947,508	727,788	219,720	92,400	70,231
State total	8,281,634	7,527,647	5,006,016	2,521,631	323,891	430,096

Table 37
Roundwood chip consumption by Pulp Mills' — by state or province of source
 (bone dry tons)

Economic area of operation	Total volume	British					
		Washington	Oregon	Idaho	Montana	Columbia	Other
Puget Sound	395,500	200,750	0	0	0	137,500	57,250
Olympic Peninsula	332,590	332,590	0	0	0	0	0
Lower Columbia	1,573,821	865,771	421,273	197,987	53,830	30,590	4,370
Central Washington	0	0	0	0	0	0	0
Inland Empire	219,720	95,730	81,012	16,530	13,224	13,224	0
State total	2,521,631	1,494,841	502,285	214,517	67,054	181,314	61,620

Table 38
Roundwood chip consumption by Pulp Mills — by species (bone dry tons)

Economic area of operation	All species	Douglas	Hemlock	True	Spruce	Ponderosa	Lodgepole	Western	Other	Red	Other
		-fir		fir		pine	pine	redcedar	conifer	alder	hardwood
Puget Sound	395,500	72,790	283,160	28,250	1,500	0	750	1,500	0	6,345	1,205
Olympic Peninsula	332,590	92,378	226,924	0	1,405	0	0	4,933	0	6,950	0
Lower Columbia	1,573,821	491,250	216,012	276,868	0	0	305,907	11,336	39,676	175,597	57,175
Central Washington	0	0	0	0	0	0	0	0	0	0	0
Inland Empire	219,720	29,040	3,967	11,231	6,612	13,200	54,870	0	0	0	100,800
State total	2,521,631	685,458	730,063	316,349	9,517	13,200	361,527	17,769	39,676	188,892	159,180

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Shake and Shingle Mills

Table 39 Shake and Shingle Mills capacity and operating days
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Table 40 Number of Shake and Shingle Mills — by selected equipment
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Table 41 Logs consumed by Shake and Shingle Mills — by type
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Table 42 Logs consumed by Shake and Shingle Mills
— by original owners
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Table 43 Wood and bark residues — production and use
by Shake and Shingle Mills
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Table 39

Shake and Shingle Mills capacity and operating days

Economic area of operation	Number of mills	— Total single shift capacity — (Squares)			Average number of operating days
		Shake	Shingle	Other	
Puget Sound	4	140	150	78	170
Olympic Peninsula	36	335	717	243	211
Lower Columbia	2	6	35	0	175
State total	42	481	902	321	205

Table 40

Number of Shake and Shingle Mills — by selected equipment

	Chipper	Barker	Burner
State total	5	5	13

Table 41

Logs consumed by Shake and Shingle Mills — by type

(thousand board feet, Scribner rule)

	All types	Sound logs	Utility logs	Other
State total	17,336	2,344	368	14,624

Table 42

Logs consumed by Shake and Shingle Mills — by original owners

(thousand board feet, Scribner rule)

	All owners	— Forest industry —							
		State	National Forest	Bureau of Land Management	Other public	Own wood supply	Other wood supply	Native American	Farmer and miscellaneous private
State total	2,712	30	378	0	0	35	920	810	538

Table 43

Wood and bark residues — production and use by Shake and Shingle mills
dry weight tons)

All Residues (bark and all types of wood)

	Total	Used	Unused
State total	221,185	100,773	120,414

All Wood Residues

	Total	Total used	Used			Unused
			Pulp	Fuel	Other	
State total	194,291	83,678	3,586	57,071	23,019	110,613

Coarse Wood Residues

	Total	Total used	Used			Unused
			Pulp	Fuel	Other	
State total	50,065	24,802	3,586	10,011	11,205	25,263

Fine Wood Residues

	Total	Total used	Used			Unused
			Pulp	Fuel	Other	
State total	144,224	58,874	0	47,060	11,814	85,350

Bark residues

	Total	Total used	Pulp	Fuel	Other	Unused

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Post Pole and Piling Mills

Table 44 Post, Pole and Piling Mills' characteristics and operating days
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Table 45 Post, Pole and Piling Mills — by selected equipment
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Table 46: Production of Post, Pole and Piling Mills — by type
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Table 47: Logs consumed by Post, Pole and Piling Mills —
by diameter (inches)
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Table 44

Post, Pole and Piling Mills operating characteristics and operating days

Economic area of operation	Number of mills	Capacity (thousand board feet)		Average number of operating days	
		Peeling	Treatment	Peeling	treatment
Puget Sound	3	8,450	15,500	170	310
Olympic Peninsula	3	21,300	0	242	0
Inland Empire	4	10,709	4,817	154	153
State total	10	40,459	20,317	206	220

Table 45

Post, Pole and Piling Mills — by selected equipment

	Number of		
	mills	Peeler	Burner
State total	10	9	2

Table 46

Production of Post, Pole and Piling Mills — by type (thousand board feet, Scribner rule)

Economic area	Treated	Untreated	Total
Puget Sound	12,152	758	12,910
Olympic Peninsula	7,500	8,000	15,500
Inland Empire	5,007	835	5,842
State total	24,659	9,593	34,252

Table 47

Logs consumed by Post, Pole and Piling Mills — by diameter (inches)

(thousand board feet, Scribner rule)

	Total	inches			
		Less than 5	5 to 10.9	11 to 20.9	More than 21
State total	31,849	4,717	22,824	4,308	0

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Log Export Operations

Table 48 Types of logs exported
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Table 49 Export Logs by diameter in inches
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Table 50 Export Logs by species
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Table 51 Ports used for exporting logs
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Table 52 Export Logs by original owners
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Table 48

Export Logs — by type(thousand board feet, Scribner)

Port	Number of operations	Volume		Total
		Sound logs	Utility logs	
Anacortes	1	13,390	0	13,390
Everett	4	25,174	0	25,174
Port Gamble	1	57	0	57
Tacoma	3	199,678	0	199,678
Aberdeen	4	132,750	0	132,750
Olympia	5	13,515	0	13,515
Port Angeles	5	13,016	0	13,016
Shelton	1	127	0	127
Longview	12	373,428	0	373,428
State total	42	771,135	0	771,135

Table 49

Export Logs — by diameter (inches) (thousand board feet, Scribner rule)

Economic area of operation	T otal	Inches			
		Less than 5	5 to 1 1	11 to 21	More than 21
Puget Sound	226,771	0	35,435	178,059	13,277
Olympic Peninsula	170,936	0	22,888	138,617	9,431
Lower Columbia	373,428	352	57,891	291,033	24,152
State total	771,135	352	116,213	607,710	46,859

Table 50

Export Logs — by species (thousand board feet, Scribner rule)

Economic area of export	All species	Douglas-fir	Hemlock	True fir	Spruce	Ponderosa pine	Lodgepole pine	Western red cedar	Other conifer	Red alder	Other hardwood
Puget Sound	226,771	217,32	7,788	591	0	0	0	0	0	0	1,068
Olympic Pen.	170,936	133,76	35,050	950	944	0	0	0	0	0	226
Lower Columbia	373,428	363,04	4,716	5,05	0	0	0	0	254	350	0
State total	771,135	714,139	47,554	6,599	944	0	0	0	254	350	1,294

Table 51

Export Logs — by port and origin (thousand board feet, Scribner rule)

Logs' origin	Total	Longview	Aberdeen	Anacortes	Port		Everett	Olympia	Tacoma	Shelton
					Angeles	Gamble				
Central Washington	12,626	6,351	0	0	0	0	0	3,800	2,475	0
Lower Columbia	93,697	93,697	0	0	0	0	0	0	0	0
Olympic Peninsula	283,578	77,552	131,750	0	13,016	0	0	3,027	58,138	95
Puget Sound	133,909	0	0	268	0	57	17,707	6,689	109,157	32
Total Washington	523,810	177,600	131,750	268	13,016	57	17,707	13,515	169,771	127
Out of state	247,325	195,828	1,000	13,122	0	0	7,467	0	29,907	0
Grand Total	771,135	373,428	132,750	13,390	13,016	57	25,174	13,515	199,678	127

Table 52

Export Logs — by original owners (thousand board feet, Scribner rule)

Economic area of export	A ll owners	State	National Forest	Bureau of Land Management	— Forest industry —				
					Other public	Own wood supply	Other wood supply	Native American	Farmer and miscellaneous private
Puget Sound	226,771	0	0	0	0	93,529	122,592	68	10,583
Olympic Peninsula	170,936	0	0	0	0	92,060	68,955	0	9,921
Lower Columbia	373,428	0	0	0	0	166,394	105,269	1,750	100,015
State total	771,135	0	0	0	0	351,982	296,817	1,818	120,518

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Chipping Operations

Table 53 Number, capacity and average operating days of Chip Mills
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Table 54 Diameter (in inches) of logs consumed by Chip Mills
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Table 55 Species of logs consumed by Chip Mills
(Page 45)

Table 56 Original owners of logs consumed by Chip Mills
(Page 45)

Table 53
Number of Chip Mills — by capacity and average operating days

Economic area of operation	Number of Operations	8-hour capacity	Average annual days operated
		(bone dry tons)	
Puget Sound	5	885	182
Olympic Peninsula	11	2,981	192
Lower Columbia	4	1,530	191
Central Washington / Inland Empire	5	1,715	224
State Total	25	7,111	203

Table 54
Logs consumed by Chip Mills — by diameter (in inches)

(thousand board feet, Scribner rule)

Economic area of operation	Total	Inches			
		Less than 5	5 to 11	11 to 21	21 or more
Puget Sound	45,848	22,773	17,858	4,907	310
Olympic Peninsula	171,794	77,499	38,357	38,451	17,487
Lower Columbia	71,245	21,155	13,855	21,678	14,557
Central Washington	13,793	2,759	4,138	4,138	2,759
Inland Empire	130,266	57,122	46,413	24,065	2,666
State total	432,946	181,308	120,621	93,239	37,778

Table 55

Logs consumed by Chip Mills — by species (thousand board feet, Scribner rule)

Economic area of operation	All species	Douglas	Hemlock	True	Spruce	Ponderosa	Lodgepole	Western	Other	Red	Other
		-fir		fir		pine	pine	redcedar	conifer	alder	hardwood
Puget Sound	45,848	14,881	12,081	775	0	0	0	78	709	15,132	2,193
Olympic Peninsula	171,794	68,459	51,533	5,990	147	0	335	1,154	221	35,772	8,183
Lower Columbia	71,245	32,297	10,426	467	0	0	0	0	0	23,712	4,342
Central Washington	13,793	4,138	1,379	4,138	0	2,069	2,069	0	0	0	0
Inland Empire	130,266	32,311	44,636	15,138	3,849	12,291	21,468	573	0	0	0
State Total	432,946	152,085	120,056	26,509	3,996	14,360	23,871	1,804	930	74,617	14,719

Table 56

Logs consumed by Chip Mills — by original owners

(thousand board feet, Scribner rule)

Economic area	All owners	Public				-Forest industry-			Farmer and miscellaneous private
		State	National Forest	Bureau of Land Management	Other public	Own wood supply	Other wood supply	Native American	
Puget Sound	45,848	1,428	0	0	505	6,355	32,659	0	4,901
Olympic Peninsula	171,794	24,771	4,074	74	11,362	23,088	83,895	2,223	22,307
Lower Columbia	71,245	13,429	250	0	609	15,800	29,740	0	11,417
Central Washington	13,793	690	2,069	0	0	2,759	8,276	0	0
Inland Empire	130,266	21,967	10,190	0	2,664	1,432	60,014	9,700	24,300
State Total	432,946	62,285	16,582	74	15,140	49,434	214,583	11,923	62,926