Frontiers in Data

Jean Daniels & Deb Warren
USDA Forest Service PNW Research Station
Western Forest Economists Meeting
May 5, 2009



Two issues:

 Mill locations: how to get and keep a current list?

• Existing datasets: how to make them more useful?

Locations of Wood-Using Mills in the Continental U.S.

- •Mill locations from 2005
- Out of date
- Two efforts to update

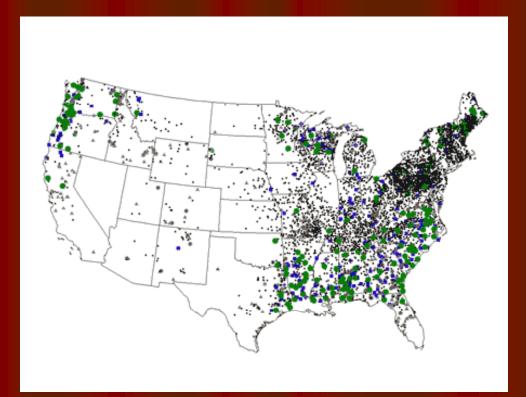




Home | Mission | Research | Products | Data/Tools | Personnel

U.S. Wood-Using Mill Locations - 2005

Jeffrey Prestemon, John Pye, James Barbour, Gerald R. Smith, Peter Ince, Carolyn Steppleton, and Weihuan Xu



Purpose | Source & Scope | Data Currency | Geolocation | Records & Fields | File Formats | Download Options | Related Resources

http://www.srs.fs.usda.gov/econ/data/mills/mill2005

State Agency Contacts for Information on Wood-Using Mills

- State level mill information
- Useful, but still not a list!

State Contacts for Information on Wood-Using Mills

John Pye, Jeff Prestemon, Jean Daniels, Richard A. Harper, Tony Johnson, Todd Morgan, Ron Piva, Carolyn Steppleton

http://www.srs.fs.usda.gov/econ/data/millcontacts/

This page directs users to web sites listing

wood mills open for business in their state, as well as those state forestry individuals keeping track of this information. It supplements the older information found at U.S. Wood-Using Mill Locations - 2005. Select states at left to see contact information for that state in this frame. frames version

Alabama

- web site (scroll down to Inventory and Industry on the right side)
- Walter E. Cartwright
 Alabama Forestry Commission
 513 Madison Avenue
 Montgomery, AL 36104
 Phone: 334-240-9331

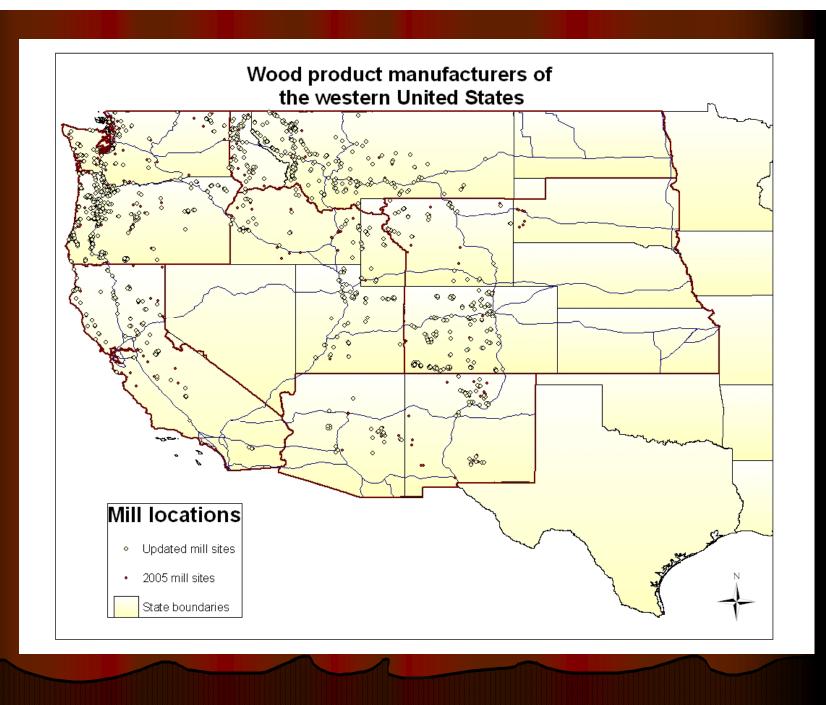
Fax: 334-240-9393

Email: <u>Cartwrightw@forestry.state.al.us</u>



Wood-Using Mill Locations II

- U. Montana, WA DNR mill surveys
- Updated every survey cycle (3-5 years)
- Track changes in mills over time
- Geospatially referenced
- Western U.S. focus



Making existing data more useful: a new format for publications you know

 Production, Prices, Employment and Trade in Northwest Forest Industries (Warren)

 Harvest, Employment, Exports, and Prices in Pacific Northwest Forests (Warren)



United States Department of Agriculture

Forest Service

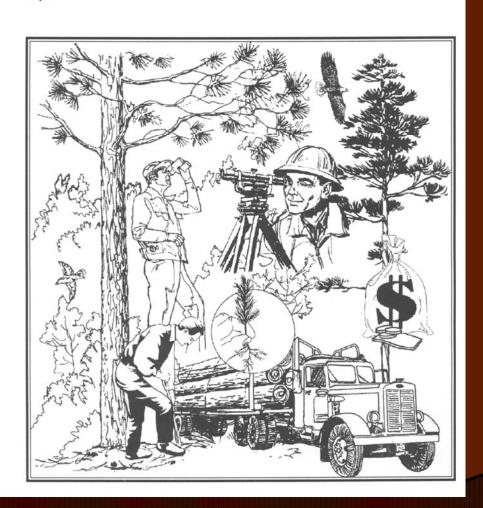
Pacific Northwest Research Station

Resource Bulletin PNW-RB-256 June 2008

Production, Prices, Employment, and Trade in Northwest Forest Industries, All Quarters 2007

Debra D. Warren







United States Department of Agriculture

Forest Service

Pacific Northwest Research Station

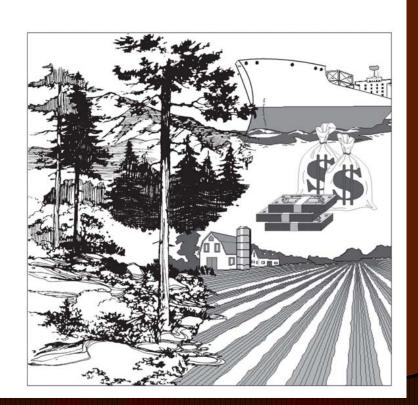
General Technical Report PNW-GTR-770

August 2008



Harvest, Employment, Exports, and Prices in Pacific Northwest Forests, 1965–2007

Debra D. Warren



Examples: most requested data

Log exports by PNW Customs District

Lumber exports by PNW Customs District

Log exports from PNW

Table 27—Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1996-2007

(In million board feet, Scribner scale)

		From both or	istoms distric	ts		From Seattle	Customs D	istrict		From Columbia-Snake Customs District				
Year and quarter	Total	Douglas- fir	Western hemlock	Other softwoods	Total	Douglas- fir	Western hemlock	Other softwoods	Total	Douglas- fir	Western hemlock	Port- Orford- cedar	Other softwoods	
						To All Co	ountries							
1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006:	1,502.9 1,042.2 867.1 793.7 759.2 642.1 599.4 561.6 621.9 535.2	1,190.4 789.5 718.8 668.7 668.8 553.7 533.4 487.4 540.9 474.2	258.8 212.4 100.0 91.4 56.2 46.3 41.7 37.6 40.4 24.8	53.6 40.2 48.3 33.6 33.6 42.1 24.4 36.7 40.6 36.2	916.7 599.1 476.6 434.9 360.2 289.7 239.2 176.7 225.9 194.7	643.8 376.7 346.6 322.2 280.1 207.5 176.6 120.7 153.5 135.3	233.1 191.8 90.5 85.1 51.3 41.4 39.6 36.1 38.2 24.5	39.9 30.7 39.5 27.6 28.7 40.9 23.0 20.1 34.2 34.9	586.1 443.1 390.5 358.8 399.0 352.3 360.1 385.0 396.0 340.6	546.6 412.9 372.2 346.5 388.7 346.3 356.8 366.7 387.4 338.9	25.7 20.6 9.5 6.4 4.9 2.0 1.6 2.2	1.3 1.8 4 8 8 3 5 4 8 2	12.5 8.0 8.4 5.1 4.7 .9 .8 16.3 1.1	
1st qtr. 2d qtr. 3d qtr. 4th qtr.	127.5 121.4 137.6 147.8	109.2 107.1 122.1 118.9	3.9 3.0 2.0 9.6	14.4 11.3 13.5 19.3	54.0 41.4 46.9 61.9	38.7 27.4 32.5 36.0	3.9 3.0 2.0 7,4	11,4 11,0 12,4 18,5	73.5 80.0 90.7 85.9	70.5 79.7 89.6 82.9	0 0 2.2	a a 0	3.0 .3 1.1 .8	
2006 total	534.3	457.3	18.5	58.5	204.2	134.7	16.3	53.3	330.1	322.7	2.2	0	5.2	
2007: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	176.6 186.4 158.6 151.3	129.3 134.6 116.0 92.5	21.3 24.5 19.9 23.3	26.0 27.4 22.7 35.6	78.1 77.9 77.6 79.0	36.3 32.9 39.9 24.2	16.5 18.4 15.6 19.9	25.2 26.6 22.1 34.9	98.5 108.5 81.1 72.4	93.0 101.7 76.1 68.3	4.8 6.0 4.4 3.3	0 0 0	.8 .6 .7	
2007 total	673.0	472.4	88.9	111.7	312.5	133.3	70.4	108.8	360.5	339.1	18.5	0	2.9	
1996 1997 1998 1999 2000 2001 2002 2003 2004 2006 2006	1.373.8 953.9 811.0 751.2 706.1 571.0 535.7 506.1 547.6 471.1	1,160.8 757.4 704.2 680.7 658.7 539.0 514.8 479.3 530.1 466.5	175.6 168.7 85.0 69.2 39.0 24.0 14.6 8.1 6.0	37,4 27,7 21,8 21,3 8,4 8,0 6,3 18,7 11,5 4,0	791.8 515.7 422.5 393.2 310.9 222.6 176.8 122.9 152.4 131.5	To Ja 614.7 348.4 333.1 314.4 270.4 195.1 159.2 111.7 143.1 128.3	153.1 148.2 75.5 62.9 34.2 20.4 12.6 6.5 3.9	24.0 19.2 13.8 15.8 6.3 7.0 5.0 4.7 5.4 2.8	582.0 438.1 388.5 358.0 395.3 348.4 358.9 383.2 395.1 339.6	546.1 409.0 371.1 346.2 388.3 344.1 355.6 387.6 387.0 338.1	22.5 20.5 9.5 8.3 4.9 3.5 2.0 1.6 2.0	12 15 28 7 35 4 8	12.2 7.0 7.7 4.7 1.3 .6 .8 13.5 5.8	
1st qtr. 2d qtr. 3d qtr. 4th qtr.	111.4 106.1 119.9 117.2	107.2 105.2 119.7 116.7	0 a .1 0	4.2 .9 .2 .5	38.2 26.8 30.7 34.3	36.9 26.1 30.5 33.9	0 0 .1	1.3 .7 .1 .4	73.2 79.3 89.2 82.9	70.3 79.1 89.2 82.8	0 a 0	0 0 a 0	2.9 .2 0 .1	
2006 total	454.6	448.8	.1	5.7	130.0	127.5	.1	2.5	324.6	321.5	a	a	3.2	
2007: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	127.3 132.7 110.4 85.4	126.4 131.0 110.2 85.2	.3 .4 0 0	1.6 1.2 2 .3	34.1 30.8 34.4 17.1	33.5 29.7 34.3 16.9	0 0 0	.6 1.1 .1 .2	93.3 101.9 76.0 68.3	92.9 101.4 75.9 68.3	.3 .4 0 0	0 0 0	.1 .1 a	
2007 total	455.8	452.9	.7	2.3	116.4	114.3	0	2.0	339.5	338.5	.7	0	.3	
1997 1998 1999 2000 2001 2002 2003 2004 2005 2006:	40.0 11.1 28.3 8.4 18.0 28.9 6.6 8.8 3.4	15.5 5.3 .6 1.5 1.4 5.7 2 a	99 A 1.7 2.2 .6 .3 1.0 0 0	4.1 25.2 7.3 16.2 26.5 5.4 8.1 3.5	40 11.1 28.3 8.4 18.0 28.9 6.6 8.8 3.4	To Ca 16.6 5.3 .9 6 1.5 1.4 .5 .7	92.6 1.7 2.2 6 3 1.0 7	4.1 25.2 7.3 16.2 26.5 5.4 8.1 3.1	400000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	60000000	000000000000000000000000000000000000000	
1st qtr. 2d qtr. 3d qtr. 4th qtr.	2.0 .5 2.7 .1	000	0	.20 .5 2.7 .1	2.0 .5 2.7 .1	0 0 a	0	2.0 .5 2.7 .1	0 0	0	0 0 0	0000	0	
2006 total	5.3		0	5.3	5.3		0	5.3	0	0	0	0	0	
2007: 1st qtr. 2d qtr. 3d qtr. 4th qtr.	2.5 .5 .4	.1 0 a	0 0	2.3 .5 .3	2.5 .5 .4	.1 0 a	0 0	2.3 .5 .3	0 0 0	0	0 0 0	0 0 0	0 0 0	
2007 total	3.4	2	0	3.2	3.4	.2	0	3.2	0	0	0	0	0	

Log exports cont.

Table 27--Volume of softwood log exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1996-2007 (continued)

(In million board feet, Scribner scale)

Year and quarter		From both or	ustoms distric	ts		From Seattle	Customs D	istrict	From Columbia-Snake Customs District				
	Total	Douglas- fir	Western hemlock	Other softwoods	Total	Douglas- fir	Western hemlock	Other softwoods	Total	Douglas- fir	Western hemlock	Port- Orford- cedar	Other softwood
						To South	Korea						
1996	74.2	10.6	52.5	11.1	70.8	10.4	49.3	11.0	3.4	.1	3.2	.1	.1
1997	59.9	12.9	41.4	5.6	59.4	12.7	41.4	5.3	.5	.2	0	.1	2
1998	11.3	3.5	7.3	.7	11.3	3.5	7.3	.7	0	0	0	0	0
1999	30.3	7.1	19.9	3.3	29.8	7.0	19.8	3.0	.5	.1	-1	0	.3
1000	25.3	6.1	15.6	3.5	24.8	6.1	15.6	3.1	.5	.1	0	0	A
1001	29.5	7.2	18.6	3.7	27.7	6.8	17.3	3.6	1.8	.4	1.3	0	.1
002	42.0	13.1	24.2	4.8	41.7	12.7	24.2	4.8	.3	.3	0	0	0
1003	42.2	8.2	29.6	4.4	42.2	8.2	29.6	4.4	a	a	0	a	(
004	66.0	10.0	34.2	21.8	65.7	10.0	34.2	21.5	.3	0	.1	0	.2
1005	55.7	5.5	23.3	26.9	55.7	5.5	23.3	26.9	0	0	0	0	0
1006:													
1st qtr.	12.9	1.7	3.9	7.3	12.9	1.7	3.9	7.3	a	0	0	0	a
2d qtr.	10.5	1.2	3.0	6.3	10.3	1.2	3.0	6.1	.2	0	0	0	. 2
3d qtr.	12.0	1.9	1.3	8.8	11.0	1.9	1.3	7.8	1.0	0	0	0	1.0
4th qtr.	25.2	2.1	9.2	13.9	22.4	2.1	7.0	13.3	2.8	0	2.2	0	.6
1006 total	60.6	6.9	17.4	36.3	56.6	6.9	15.2	34.5	4.0	0	2.2	0	1.8
1007:										_			
1st qtr.	47.2	2.7	20.8	23.8	42.0	2.7	16.3	23.1	5.2	0	4.5	0	.7
2d qtr.	47.5	2.7	23.7	21.1	41.5	2.7	18.1	20.6	6.1	0	5.6	0	- 5
3d qtr.	45.8	5.5	19.9	20.3	41.1	5.5	15.6	20.0	4.7	0	4.4	0	.3
4th qtr.	60.6	5.9	22.6	31.3	55.9	5.9	19.3	30.7	3.9	0	3.3	0	.6
1007 total	201.1	16.8	87.0	96.5	180.5	16.8	69.3	94.4	19.8	0	17.7	0	2.1
							public of C						
996	11.9	3.0	7.7	1.2	11.9	3.0	7.7	1.2	0	0	0	0	0
997	14.2	12.3	A	1.5	11.8	9.8	.4	1.5	2.5	2.5	0	0	0
998	12.4	6.4	4.2	1.8	12.4	6.4	4.2	1.8	0	0	0	0	0
999	1.3	0	1.3		1.3	0	1.3	. 8	0	0	0	0	0
000	5.9	2.1	.9	2.9	5.3	2.1	.9	2.2	.6	0	0	0	
001	8.2	3.4	2.7	2.0	8.2	3.4	2.7	2.0	0	0	0	0	0
002	9.7	3.5	2.1	4.1	9.4	3.5	2.1	3.8	.3	0	0	.3	0
003	.2		0	.2	1		0		.2	0	0	0	- 4
004 005	1.2	a	a	1.1 1.6	1.1	a	a	1.1 1.6	.1 a	0	0	0	.1
006:	1,7	a	0	1.6	1.7	a		1.0					
1st qtr.	.3	0	0	.3	.3	0	0	.3	a	0	0	0	
2d qtr.	2.7	ő	a	2.7	2.7	ő	a	2.7	a	ő	ő	ő	:
3d qtr.	2	ő	ő	1.1	- 4	ő	ő	1	.1	ŏ	ő	ő	i
4th gtr.	Ä	ŏ	a	Ä	Ä	ő	i i	.4	0	ŏ	ō	ŏ	i
10.40													
006 total	3.7	0	a	3.7	3.5	0	a	3.5	.2	0	0	0	.2
007: 1st qtr.	.8	0	_	.8		0	_		.1	0	0	0	.1
2d gtr.	.9	.1	a	8	.8	.1	a 0	2	.1 a	ő	ő	ő	.1
20 qtr. 3d qtr.	.6	- 3	0	3	.5	.1	ő	.5	.1	a	a	ő	.1
4th gtr.	3.4	1.2	.3	1.8	3.4	1.2	š	1.8	. 1 a	ő	ő	ő	
-urqu.		1.2		1.00	3.4	1.6		1.0					
007 total	5.7	1.4		3.9	5.4	1.4		3.7	.3			0	

a Less than 1,000 board feet.

Source: U.S. Department of Commerce. Columbia-Snake Customs District includes all Oregon ports and Longview and Vancouver, Washington, Seattle Customs District includes all coastal and inland ports in the State of Washington, except Longview and Vancouver. Data are compiled from Department of Commerce records at the end of each quarter.

Lumber exports from PNW

Table 50—Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1996-2007*

(In thousand board feet)

		rom both cust	toms districts			From Seattle 0	Customs District	t	From	Columbia-Sna	a-Snake Customs District		
Year and quarter	Total	Douglas- fir	Western hemlock	Other soft- woods	Total	Douglas- fir	Western hemlock	Other soft- woods	Total	Douglas- fir	Western hemlock	Other soft- woods	
					т	o All Countri	es						
1996	1,011,08	3 655,756	172.776	182.551	567.842	299,178	148.418	120.246	443.241	356.578	24.358	62.30	
1997	870,870		77,081	395,444	538,400		63,220	274,095	332,468	198,258	13,861	121,34	
1998	468,994		32,640	214,375	282,042	98,893	25,249	157,900	186,953	123,086	7,392	56,4	
1999	438,600		44,748	168,820	237,919			118,223	200,689		14,501	50,5	
2000	464,164		33,586	220,560	262,813		19,803	171,268	201,351		13,783	49,2	
2001	312,02		14,899	165,662	200,544		9,917	143,346	111,478		4,982	22,3	
2002	249,174		14,723	144,773	180,310		6,326	125,032	68,865		8,397	19,4	
2003	254,860		16,571	160,571	193,786		5,790	143,467	61,077		10,781	17,1	
2004	190,962		17,107	109,542	138,533		11,772	95,415	52,429		5,333	14,1	
2005	152,068	47,215	9,364	95,489	128,475	36,848	4,914	86,713	23,592	10,367	4,450	8,7	
2006:	24.00	11,258	878	21.893	20.00	9,927	767	19,366	3,969	4 224	111	2.53	
1st qtr.	34,026 40,37		1,525	23,337	30,060		1,525	19,366	6,060		0	3.5	
2d qtr. 3d qtr.	47,34		1,589	23,684	38,286		1,589	18,908	9,057		ő	4.7	
4th qtr.	49,56		856	21,699	42,600		807	18,292	6,961		49	3,4	
auriqu.	49,00	27,014		21,000	42,000	23,300	007	10,494	0,001	3,300		3,41	
2006 total	171,320	75,859	4,847	90,613	145,273	64,188	4,688	76,397	26,047	11,672	159	14,21	
2007:													
1st qtr.	51,820		1,190	22,444	46,143		1,158	19,948	5,683		32	2,4	
2d qtr.	55,752		1,484	25,476	49,429		1,386	22,687	6,323		98	2,7	
3d qtr.	63,25		2,969	30,549	46,594		2,817	17,535	16,663		152	13,0	
4th qtr.	60,547	7 29,638	4,330	26,579	53,867	27,405	4,201	22,261	6,680	2,233	129	4,31	
2997 total	231,38	116,361	9.973	195,948	196,033	194,949	9,562	82,431	35,349	12,321	411	22,61	
						To Japan							
1996	717,660	450,562	159,400	107,707	383,731	185,296	135,647	62,788	333,938	265,266	23,753	44,91	
1997	564,065	5 217,985	63,914	282,166	347,236	108,183	52,216	186,837	216,829	109,802	11,698	95,3	
1998	271,965		18,990	132,233	160,164		12,272	96,549	111,801		6,717	35,6	
1999	256,882		18,311	97,231	130,130		10,378	64,815	126,746		7,933	32,4	
2000	255,664		10,858	103,149	129,322		7,653	84,059	126,342		3,205	19,0	
2001	172.093		4.855	81,914	92.970		4.331	68,558	79.114		524	13.3	
2002 2003	111,890		1,256 941	58,975 66,019	73,365 73,526		992 693	47,758	38,532		264 248	11,2	
2003	107,660 76,580		1,137	41,533	45,400		945	57,394 35,908	31,180		192	8,6 5.6	
2004	44,14		39	28,407	41,244		39	27,649	2,899		192	7	
2006:	,	10,001	-	20,401	41,24	10,000		21,010	2,000	2,140			
1st atr.	8,936	3.555	58	5.322	8,496	3.396	58	5.044	437	158	0	2	
2d qtr.	8,82		39	5.097	8,242		39	4,816	582		ō	2	
3d qtr.	13,430		6	3.946	10,990		6	3,435	2,447		0	5	
4th qtr.	15,80	11,724	64	4,018	13,594	10,282	54	3,258	2,212	1,442	10	70	
2006 total	47,00	28,453	167	18,384	41,320	24,616	158	16,552	5,678	3,836	10	1,83	
2007:													
1st qtr.	17,36	7 13,857	87	3,423	16,263	13,108	87	3,068	1,104		0	3	
2d qtr.	16,08		48	4,262	15,463		48	3,884	622		0	3	
3d qtr.	12,770		96	3,128	10,742			1,676	2,034		30	1,4	
4th qtr.	15,164	11,237	442	3,485	14,864	11,028	442	3,394	300	209	0		
2007 total	61,393	2 46,421	673	14,298	57.330	44,667	642	12.022	4.061	1,754	30	2.27	

Lumber exports cont.

Table 50—Volume of softwood lumber exports from Seattle and Columbia-Snake Customs Districts by species and destination, 1996-2007 (continued)

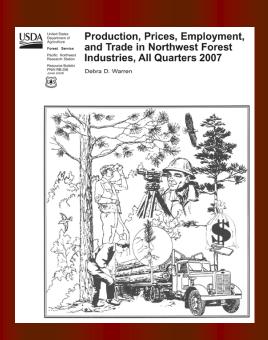
(In thousand board feet)

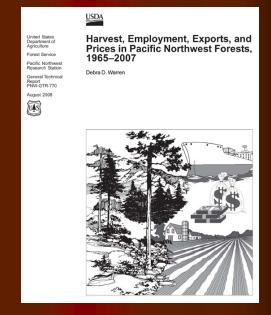
		From both cu	stoms districts	i .		From Seattle	Customs Distr	ict	Fron	n Columbia-Sni	Snake Customs District		
Year and quarter	Total	Douglas- fir	Western hemlock	Other soft- woods	Total	Douglas- fir	Western hemlock	Other soft- woods	Total	Douglas- fir	Western hemlock	Other soft- woods	
						To Canada							
1996	131,786	89,581	3,282	38,924	131,786	89,581	3,282	38,924	0	0	0	0	
1997	131,401	78,244	4,036	49,122	131,401	78,244	4,036	49,122	0	0	0	0	
1998	80,734	35,963	2,694	42,077	80,734	35,963	2,694	42,077	0	0	0	0	
1999 2000	57,673 70,022	18,499 23,026	2,936 3,617	36,238 43,379	57,673 70,022	18,499 23,026	2,936 3,617	36,238 43,379	0	0	0	0	
2001	70,788	19,377	4.913	46,496	70,788	19,377	4.913	46,498	ő	ő	ō	0	
2002	65,682	17,571	4,770	43,341	65,682	17,571	4,770	43,341	o o	o o	ō	0	
2003	81,488	18,987	4,394	58,107	81,488	18,967	4,394	58,107	0	0	0	0	
2004	68,331	16,441	8.215	43.675	68,331	16,441	8,215	43,675	0	0	0	0	
2005	55,294	15,541	5	39,748	55,294	15,541	5	39,748	0	0	0	0	
2006:	12.000		700		12.000		700	0.000					
1st qtr. 2d qtr.	13,926 18,104	4,591 7,252	703 1,395	8,632 9,457	13,926 18,104	4,591 7,252	703 1,395	8,632 9,457	0	0	0	0	
3d qtr.	19,902	8,163	1,505	10.234	19,902	8,163	1,505	10,234	ő	ő	0	ő	
4th qtr.	18,817	8,248	719	9,850	18,817	8,248	719	9,850	ő	ő	0	ő	
2006 total	70,749	28,253	4,322	38,173	70,749	28,253	4,322	38,173	0	0	0	0	
2007:													
1st qtr.	18,917	7.415	1,011	10.491	18,917	7,415	1,011	10,491	0	0	0	0	
2d qtr.	22,217	7,971	943	13,303	22,217	7,971	943	13,303	0	0	Ö	0	
3d qtr.	24,076	8,651	2,118	13,307	24,076	8,651	2,118	13,307	0	0	0	0	
4th qtr.	27,539	9,169	2,722	15,648	27,539	9,169	2,722	15,548	0	0	0	۰	
2007 total	92,749	32,206	6,794	52,749	92,749	32,206	6,794	52,749	0	0	0	0	
					To People	's Republic	of China						
1996	499	59	0	440	499	59	0	440	0	0	0	0	
1997	659	0	0	659	606	0	0	606	53	0	0	53	
1998	1,402	.0	294	1,108	1,178	0	294	884	223	0	0	223	
1999	1,251	15 48	83	1,236	1,014	15 48	0 83	999 855	237 239	0	0	237 239	
2000	1,224 3,529	90	0	3,529	2,447	40	0	2,447	1.082	ő	ő	1,082	
2002	5,153	ő	ő	5,153	4,448	ő	ő	4,448	705	ő	ő	705	
2003	7,782	601	20	7,161	7,536	406	20	7,109	246	195	Ö	52	
2004	7,965	64	20	7,881	3,943	39	20	3,884	4,022	25	0	3.997	
2005	8,920	115		8,797	4,977	85	0	4,892	3,943	30	8	3,905	
2006:		_								_	_		
1st qtr.	1,512	0	0	1,512	328 138	0	17	328 121	1,185	0	0	1,185	
2d qtr. 3d qtr.	1,973	ő	17 19	1,956	56	0	19	37	1,852	ő	0	1,835 1,852	
4th qtr.	1,475	17	0	1,458	182	ő	0	182	1,293	17	ő	1,276	
2006 total	6,867	17	36	6,815	703	0	36	667	6,164	17	0	6,147	
2007:													
1st gtr.	1,331	16	22	1,293	558	0	11	547	773	16	11	746	
2d qtr.	1,262	43	98	1,121	569	ŏ	24	545	693	43	74	576	
3d qtr	1,850	39	135	1,676	636	39	54	543	1,214	0	81	1,133	
4th qtr.	1,813	211	206	1,396	1,319	159	115	1,045	494	52	91	351	
2007 total	6,256	309	462	5,486	3,082	198	204	2,680	3,175	111	258	2,806	

^{*} Includes lumber classified as railroad crosstles and not specified by species.

Source: U.S. Department of Commerce. Data are compiled from Department of Commerce records at the end of each quarter.

Conversion 2009





IN EXCEL!

Data available in Excel format on CD, summer 2009

PNW Research-working for YOU!!!!

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