

**Table 1--Volume of growing-stock volume on timberland outside National Forests by owner class, western and eastern Washington, 1980 and 1991.**

Ownership and Species Group	Western Washington			Eastern Washington		
	1980	1991	Percent change	1980	1992	Percent change
<i>Million cubic feet</i>						
Forest Industry:						
Softwoods	13,179	11,117	-16	2,415	2,005	-17
Hardwoods	2,797	2,417	-14	20	27	+35
Other Public:						
Softwoods	6,789	7,825	+15	1,966	2,115	+10
Hardwoods	1,034	1,295	+25	60	68	+13
Other Private:						
Softwoods	3,919	4,579	+17	4,688	4,858	+4
Hardwoods	2,330	2,594	+11	134	182	+36
All Owners:						
Softwoods	23,887	23,521	-2	9,069	9,018	-1
Hardwoods	6,160	6,307	+2	214	277	+29





**Table 4--Percent of growing stock volume on timberland outside National Forests, by species and owner class, eastern Washington, 1981 and 1992.**

Species	Forest Industry		Other Public and Other Private	
	1981	1992	1981	1992
	<i>Percent</i>			
True firs	20.6	16.5	11.1	8.7
Western Larch	7.4	6.6	8.0	7.3
Engelmann Spruce	5.4	1.5	2.6	2.8
Lodgepole pine	4.6	3.1	9.9	8.9
Ponderosa Pine	18.4	18.6	27.2	28.7
Douglas-fir	34.4	46.3	36.1	37.5
Other conifers	8.8	6.1	3.0	2.7
Hardwoods	0.3	1.3	2.2	3.4
Total	100.0	100.0	100.0	100.0

**Table 5--Percent of growing-stock volume on timberland outside National Forests, by diameter breast height (in inches), western Washington, 1980 and 1991, and eastern Washington, 1981 and 1992.**

Diameter breast height	Western Washington		Eastern Washington	
	1980	1991	1981	1992
<i>Inches</i>			<i>Percent</i>	
5.0-8.9	9	9	15	14
9.0-12.9	17	17	20	20
13.0-16.9	17	19	20	19
17.0-20.9	15	16	15	16
21.0-28.9	19	20	18	18
29.0+	23	19	12	13
Total	100	100	100	100

**Table 6--Area by region and land class, Washington, 1992<sup>a</sup>**

Region	Forest land				Total	Nonforest land <sup>c</sup>	All land <sup>d</sup>
	Timberland <sup>b</sup>	Reserved timberland	Other forest	Reserved other forest			
Thousand acres							
Western Washington <sup>e</sup>	9,581	1,330	255	708	11,874	3,786	15,660
Eastern Washington	6,502	891	1,616	9	9,018	17,889 <sup>f g</sup>	26,907
Total	16,083	2,221	1,871	717	20,892	21,675	42,567

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes 18,000 acres of forest land in National Forests incapable of growing 20 cubic feet of wood per acre per year (mean annual increment at culmination in fully stocked, natural stands).

<sup>c</sup> Includes cropland, pasture and range, swampland, industrial and urban areas, powerline and pipeline clearings, railroad rights-of-way, and constructed roads and highways; and water as classified by Forest Inventory and Analysis standards but defined by the Bureau of the Census as land.

<sup>d</sup> Source: U.S. Department of Commerce 1983.

<sup>e</sup> Includes 47,000 acres of Gifford Pinchot National Forest land in Klickitat and Yakima Counties.

<sup>f</sup> Includes 197,000 acres of National Forest land in Skagit and Whatcom Counties that is administered by the Okanogan National Forest. These acres include forest and nonforest land. 107,000 of these acres are in the Paysten Wilderness Area.

<sup>g</sup> Includes 523,000 acres of the Mount Baker-Snoqualmie National Forest located in Kittitas and Yakima Counties and administered by the Wenatchee National Forest. These acres include forest and nonforest land. 224,000 of these acres are in wilderness areas.

**Table 7--Area of forest land by county and land class, Washington, 1992<sup>a</sup>**

County	Timberland	Reserved timberland <sup>b</sup>	Other forest	Reserved other forest	Total
<i>Thousand acres</i>					
Western Washington:					
Clallam	658	182	9	103	952
Clark	200	2	4	--	206
Cowlitz	592	14	7	--	613
Grays Harbor	1,062	23	13	2	1,100
Island	75	1	5	1	82
Jefferson	494	343	8	152	998
King	679	60	37	45	821
Kitsap	158	1	5	--	164
Lewis	1,131	93	16	26	1,267
Mason	471	30	9	17	526
Pacific	515	2	6	--	523
Pierce	572	110	18	74	774
San Juan	67	3	--	3	73
Skagit <sup>c</sup>	584	82	22	56	743
Skamania	812	81	15	19	927
Snohomish	658	139	48	59	904
Thurston	283	1	5	--	289
Wahkiakum	129	--	2	--	131
Whatcom <sup>c</sup>	410	158	24	146	737
Other <sup>d</sup>	31	5	2	5	43
Total	9,581	1,330	255	708	11,874
Eastern Washington: <sup>e</sup>					
Adams	--	--	--	--	--
Asotin	26	--	--	--	26
Benton	--	--	--	--	--
Chelan	102	30	81	--	213
Columbia	49	--	2	--	51
Douglas	--	--	--	--	--
Ferry	582	14	168	--	763
Franklin	--	--	--	--	--
Garfield	9	--	--	--	9
Grant	--	--	--	--	--
Kittitas	315	--	43	--	358
Klickitat	353	14	127	1	495
Lincoln	37	2	28	--	67
Okanogan	554	10	190	--	754
Pend Oreille	279	1	9	--	289
Spokane	281	22	67	--	369
Stevens	926	5	44	--	975
Walla Walla	18	--	--	--	18
Whitman	9	--	5	--	15
Yakima	469	94	41	8	611
National Forests <sup>e</sup>	2,494	698	811	1	4,004
Total	6,502	891	1,616	9	9,018
All counties	16,083	2,221	1,871	717	20,892

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> May include forest land incapable of growing 20 cubic feet of wood per acre per year (mean annual increment at culmination in fully stocked, natural stands).

<sup>c</sup> Excludes land administered by the Okanogan National Forest.

<sup>d</sup> Includes Gifford Pinchot National Forest land in Klickitat, Yakima, Pierce, and Thurston Counties.

<sup>e</sup> National Forest area statistics are not available by county in eastern Washington.

**Table 8--Area of reserved timberland and other forest land by forest type, Washington, 1992<sup>a</sup>**

Forest type	Reserved timberland <sup>b</sup>	Other forest	Reserved other forest	Total
<i>Thousand acres</i>				
Softwood types:				
Douglas-fir	953	416	40	1,409
Ponderosa pine	226	721	--	947
Fir-spruce	460	61	81	602
Hemlock-Sitka spruce <sup>c</sup>	430	30	60	520
Lodgepole pine	29	309	--	338
Other softwoods	16	7	11	34
Total	2,114	1,544	192	3,850
Hardwood types	20	70	17	107
Unclassified <sup>d</sup>	81	258	509	848
All types	2,221	1,871	717	4,809

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> May include forest land incapable of growing 20 cubic feet of wood per acre per year (mean annual increment at culmination in fully stocked, natural stands).

<sup>c</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>d</sup> Information on forest type is not available.



**Table 8W--Area of reserved timberland and other forest land by forest type, western Washington, 1992<sup>a</sup>**

Forest type	Reserved timberland <sup>b</sup>	Other forest	Reserved other forest	Total
<i>Thousand acres</i>				
Softwood types:				
Douglas-fir	430	20	40	490
Fir-spruce	392	38	81	511
Hemlock-sitka spruce	423	30	60	513
Lodgepole pine	3	--	--	3
Other softwoods	16	2	4	22
Total	1,264	91	185	1,540
Hardwood types	19	2	15	36
Unclassified <sup>c</sup>	42	164	508	714
All types	1,330	255	708	2,293

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> May include forest land incapable of growing 20 cubic feet of wood per acre per year (mean annual increment at culmination in fully stocked, natural stands).

<sup>c</sup> Information on forest type is not available.

**Table 8E--Area of reserved timberland and other forest land by forest type, eastern Washington, 1992<sup>a</sup>**

Forest type	Reserved timberland <sup>b</sup>	Other forest	Reserved other forest	Total
<i>Thousand acres</i>				
Softwood types:				
Douglas-fir	524	396	--	920
Ponderosa pine	226	721	--	947
Fir-spruce	68	23	--	91
Western hemlock <sup>c</sup>	7	--	--	7
Lodgepole pine	27	309	--	336
Other softwoods	--	5	7	11
Total	852	1,454	7	2,312
Hardwood types	1	68	2	70
Unclassified <sup>d</sup>	39	94	1	134
All types	891	1,616	9	2,516

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> May include of forest land incapable of growing 20 cubic feet of wood per acre per year (mean annual increment at culmination in fully stocked stand).

<sup>c</sup> Western hemlock or western redcedar.

<sup>d</sup> Information on forest type is not available.

**Table 9--Area of reserved timberland and other forest land by land class, forest type and owner, Washington, 1992<sup>a</sup>**

Land class and forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand acres</i>					
Reserved timberland: <sup>b</sup>					
Douglas-fir	634	306	--	13	953
Ponderosa pine	188	8	--	30	226
Fir-spruce	196	248	--	16	460
Hemlock-Sitka spruce <sup>c</sup>	129	301	--	--	430
Lodgepole pine	2	26	--	1	29
Other softwoods	8	8	--	--	16
Hardwoods	5	15	--	--	20
Unclassified <sup>d</sup>	42	34	--	5	81
Total	1,207	948	--	65	2,221
Reserved other forest:					
Douglas-fir	40	--	--	--	40
Ponderosa pine	--	--	--	--	--
Fir-spruce	68	13	--	--	81
Hemlock-Sitka spruce <sup>c</sup>	60	--	--	--	60
Lodgepole pine	--	--	--	--	--
Other softwoods	4	--	--	7	7
Hardwoods	2	13	--	2	17
Unclassified <sup>d</sup>	35	474	--	--	509
Total	208	501	--	8	717
All reserved	1,416	1,451	--	74	2,938
Other forest:					
Douglas-fir	206	54	38	118	416
Ponderosa pine	313	89	76	243	721
Fir-spruce	38	--	14	9	61
Hemlock-Sitka spruce <sup>c</sup>	30	--	--	--	30
Lodgepole pine	309	--	--	--	309
Other softwoods	2	5	--	--	7
Hardwoods	2	7	--	62	70
Unclassified <sup>d</sup>	23	75	68	92	258
Total	923	230	196	524	1,871

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> May include forest land incapable of growing 20 cubic feet per acre per year (mean annual increment at culmination in fully stocked, natural stands).

<sup>c</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>d</sup> Information on forest type is not available.

**Table 9W--Area of reserved timberland and other forest land by land class, forest type and owner, western Washington, 1992<sup>a</sup>**

Land class and forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand acres</i>					
Reserved timberland: <sup>b</sup>					
Douglas-fir	132	298	--	--	430
Fir-spruce	188	204	--	--	392
Hemlock-sitka spruce	129	294	--	--	423
Lodgepole pine	2	1	--	--	3
Other softwoods	8	8	--	--	16
Hardwoods	5	14	--	--	19
Unclassified <sup>c</sup>	42	--	--	--	42
Total	509	822	--	--	1,330
Reserved other forest:					
Douglas-fir	40	--	--	--	40
Fir-spruce	68	13	--	--	81
Hemlock-sitka spruce	60	--	--	--	60
Other softwoods	4	--	--	--	4
Hardwoods	2	13	--	--	15
Unclassified <sup>c</sup>	34	474	--	--	508
Total	207	501	--	--	708
All reserved	716	1,324	--	--	2,039
Unreserved other forest:					
Douglas-fir	20	--	--	--	20
Fir-spruce	38	--	--	--	38
Hemlock-sitka spruce	30	--	--	--	30
Other softwoods	2	--	--	--	2
Hardwoods	2	--	--	--	2
Unclassified <sup>c</sup>	20	43	53	47	164
Total	113	43	53	47	255

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> May include forest land incapable of growing 20 cubic feet of wood per acre per year (mean annual increment at culmination in fully stocked, natural stands).

<sup>c</sup> Information on forest type is not available.

**Table 9E--Area of reserved timberland and other forest land by land class, forest type and owner, eastern Washington, 1992<sup>a</sup>**

Land class and forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand acres</i>					
Reserved timberland: <sup>b</sup>					
Douglas-fir	502	8	--	13	524
Ponderosa pine	188	8	--	30	226
Fir-spruce	8	44	--	16	68
Western hemlock <sup>c</sup>	--	7	--	--	7
Lodgepole pine	--	25	--	1	27
Hardwoods	--	1	--	--	1
Unclassified <sup>d</sup>	--	34	--	5	39
Total	698	127	--	65	891
Reserved other forest:					
Other softwoods	--	--	--	7	7
Hardwoods	--	--	--	2	2
Unclassified <sup>d</sup>	1	--	--	--	1
Total	1	--	--	8	9
All reserved	699	127	--	74	900
Other forest:					
Douglas-fir	186	54	38	118	396
Ponderosa pine	313	89	76	243	721
Fir-spruce	--	--	14	9	23
Lodgepole pine	309	--	--	--	309
Other softwoods	--	5	--	--	5
Hardwoods	--	7	--	62	68
Unclassified <sup>d</sup>	3	32	15	45	94
Total	811	186	142	476	1,616

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> May include forest land incapable of growing 20 cubic feet of wood per acre per year (mean annual increment at culmination in fully stocked, natural stands).

<sup>c</sup> Western hemlock or western redcedar type.

<sup>d</sup> Information on forest type is not available.

**Table 10--Area of timberland by county and owner, Washington, 1992<sup>a b</sup>**

County	Public					Private					All owners
	Other public				Forest industry	Other private					
	National Forest	Miscellaneous Federal	State	County and municipal		All other public	Native American	Farmer	Miscellaneous	All other private	
<i>Thousand acres</i>											
Western Washington: <sup>c</sup>											
Clallam	69	--	139	--	139	254	24	4	68	96	658
Clark	1	--	56	--	56	41	--	4	98	102	200
Cowlitz	8	--	68	--	68	414	--	8	94	102	592
Grays Harbor	116	--	81	53	134	556	139	7	110	256	1,062
Island	--	2	10	1	13	2	--	3	57	60	75
Jefferson	115	3	170	1	174	149	6	--	50	56	494
King	114	4	61	90	155	272	--	--	138	138	679
Kitsap	--	8	21	13	42	29	8	--	79	87	158
Lewis	288	--	116	10	126	548	--	54	115	169	1,131
Mason	100	--	72	--	72	207	5	--	87	92	471
Pacific	--	6	67	3	76	377	--	27	35	62	515
Pierce	94	37	35	7	79	243	--	9	147	156	572
San Juan	--	1	3	--	4	--	--	--	63	63	67
Skagit	172	1	128	3	132	180	2	6	92	100	584
Skamania	611	1	75	3	79	75	--	--	47	47	812
Snohomish	248	4	108	7	119	134	5	9	143	157	658
Thurston	--	11	58	1	70	93	3	10	107	124	283
Wahkiakum	--	--	36	--	36	81	--	3	9	12	129
Whatcom	142	--	85	2	87	77	2	13	89	104	410
Other <sup>d</sup>	31	na	na	na	na	na	na	na	na	na	31
Total	2,208	78	1,390	194	1,663	3,732	194	157	1,627	1,978	9,581

Table 10--(continued)

County	Public					Private					All owners
	Other public					Other private					
	National Forest	Miscellaneous Federal	State	County and municipal	All other public	Forest industry	Native American	Farmer	Miscellaneous	All other private	
<i>Thousand acres</i>											
Eastern Washington: <sup>b e</sup>											
Asotin	nc	--	--	--	--	--	--	26	--	26	nc
Chelan	nc	--	13	--	13	30	--	33	26	59	nc
Columbia	nc	--	9	--	9	16	--	24	--	24	nc
Douglas	nc	--	--	--	--	--	--	--	--	--	nc
Ferry	nc	4	21	--	25	54	407	50	46	503	nc
Garfield	nc	--	--	--	--	--	--	9	--	9	nc
Kittitas	nc	--	82	--	82	193	--	39	--	39	nc
Klickitat	nc	13	64	7	85	169	24	55	21	100	nc
Lincoln	nc	--	--	--	--	--	--	22	15	37	nc
Okanogan	nc	10	163	--	174	39	224	72	46	342	nc
Pend Oreille	nc	--	34	--	34	97	--	15	133	148	nc
Spokane	nc	13	19	--	32	26	--	38	185	223	nc
Stevens	nc	69	162	--	231	206	78	171	240	489	nc
Walla Walla	nc	--	--	--	--	--	--	18	--	18	nc
Whitman	nc	--	--	--	--	--	--	9	--	9	nc
Yakima	nc	--	81	--	81	46	342	--	--	342	nc
National Forests	2,294	na	na	na	na	na	na	na	na	na	2,494
Total	2,494	110	647	7	764	878	1,074	582	710	2,366	6,502
All counties	4,702 <sup>b</sup>	187	2,037	201	2,427	4,610	1,269	738	2,340	4,344	16,083

-- = none found or less than 500 acres.

na = not applicable.

nc = not available by county.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Does not include timberland in the Mount Baker-Snoqualmie National Forest in Kittitas and Yakima Counties that is administered by the Wenatchee National Forest.

<sup>c</sup> Includes timberland in the Gifford Pinchot National Forest in Klickitat and Yakima Counties. Does not include timberland in the Mount Baker-Snoqualmie National Forest that is administered by the Okanogon National Forest in Skagit and Whatcom Counties.

<sup>d</sup> Timberland in the Gifford Pinchot National Forest in Klickitat, Yakima, Pierce, and Thurston counties.

<sup>e</sup> Includes timberland in the Mount Baker-Snoqualmie National Forest in Skagit and Whatcom Counties that is administered by the Okanogon National Forest. Does not include timberland in the Gifford Pinchot National Forest in Klickitat and Yakima Counties.

**Table 11--Area of timberland by forest type and owner, Washington, 1992<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand acres</i>					
Softwood types:					
Douglas-fir	2,142	1,148	2,140	1,652	7,082
Ponderosa pine	354	205	217	884	1,660
Fir-spruce	748	146	272	165	1,331
Hemlock-Sitka spruce <sup>b</sup>	1,062	440	1,058	170	2,730
Western larch	--	31	18	47	96
Lodgepole pine	132	61	23	209	425
Other softwood types	39	53	123	147	362
Total	4,478	2,083	3,851	3,275	13,685
Hardwood types	31	294	634	962	1,921
Nonstocked	129	50	125	107	412
Unclassified <sup>c</sup>	65	--	--	--	65
All types	4,702	2,427	4,610	4,344	16,083

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>c</sup> Information on forest type is not available.



**Table 11W--Area of timberland by forest type and owner, western Washington, 1992<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand acres</i>					
Softwood types:					
Douglas-fir--					
Douglas-fir	892	683	1,411	527	3,513
Douglas-fir/red alder	--	96	246	117	460
Douglas-fir/other hardwood	--	17	49	60	126
Total	892	796	1,705	705	4,099
Ponderosa pine	3	--	--	--	3
Fir-spruce--					
Grand fir	14	6	10	8	38
Noble fir	21	6	50	--	76
Noble fir/red alder	--	4	--	--	4
Pacific silver fir	421	74	87	12	593
Pacific silver fir/red alder	--	2	--	--	2
Subalpine fir	12	--	--	--	12
Engelmann spruce	2	--	--	--	2
Mountain hemlock	30	4	10	--	44
Total	500	95	156	19	770
Hemlock-Sitka spruce--					
Western hemlock	583	386	953	128	2,050
Western hemlock/red alder	--	50	64	21	134
Western hemlock/other hardwood	--	4	8	--	11
Sitka spruce	1	--	23	15	39
Sitka spruce/red alder	--	--	4	--	4
Total	583	440	1,052	164	2,239
Lodgepole pine	8	2	4	20	34
Other softwood types--					
Western redcedar	24	29	56	100	209
Western redcedar/red alder	--	10	16	24	50
Western redcedar/other hardwood	--	--	4	10	15
Alaska-cedar	5	--	--	--	5
Western white pine	2	--	--	--	2
Unclassified softwood types <sup>b</sup>	4	--	--	--	4
Total	35	40	76	134	285
<b>Total, softwood types</b>	<b>2,021</b>	<b>1,373</b>	<b>2,994</b>	<b>1,042</b>	<b>7,429</b>
Hardwood types:					
Western hardwoods--					
Red alder	15	115	252	407	789
Red alder/conifer	--	118	257	170	545
Bigleaf maple	12	10	29	124	175
Bigleaf maple/conifer	--	11	39	57	107
Black cottonwood	--	7	27	31	65
Black cottonwood/conifer	--	7	--	12	19
Pacific madrone	--	--	--	7	7
Pacific madrone/conifer	--	--	--	8	8
Oregon white oak/conifer	--	--	--	3	3
Oregon ash	--	--	8	30	38
Bitter cherry	--	--	--	3	3
Bitter cherry/conifer	--	--	4	3	7
Other hardwood types	4	--	8	21	33
Other hardwood types/conifer	--	--	4	11	15
<b>Total, hardwood types</b>	<b>31</b>	<b>269</b>	<b>627</b>	<b>886</b>	<b>1,813</b>
Nonstocked	91	21	111	50	274
Unclassified <sup>b</sup>	65	--	--	--	65
<b>All types</b>	<b>2,208</b>	<b>1,663</b>	<b>3,732</b>	<b>1,978</b>	<b>9,581</b>

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Information on forest type is not available.

**Table 11E--Area of timberland by forest type and owner, eastern Washington, 1992<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
	<i>Thousand acres</i>				
Softwood types:					
Douglas-fir	1,250	352	434	947	2,983
Ponderosa pine	351	205	217	884	1,657
Fir-spruce	248	51	116	146	561
Western hemlock <sup>b</sup>	479	--	6	7	491
Western larch	--	31	18	47	96
Lodgepole pine	124	59	19	189	391
Other softwood types	4	13	47	13	77
Total	2,456	710	857	2,233	6,256
Hardwood types	--	25	6	76	108
Nonstocked	38	29	14	57	138
All types	2,494	764	878	2,366	6,502

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Western hemlock or western redcedar.

**Table 12--Area of timberland by owner and stand-size class, Washington, 1992<sup>a</sup>**

Owner	Sawtimber	Poletimber	Seedling-sapling	Non-stocked	All classes
<i>Thousand acres</i>					
National Forest	2,857 <sup>b</sup>	981	735	129	4,702
Other public	1,648	267	462	50	2,427
Forest industry	2,350	698	1,437	125	4,610
Other private	2,939	629	669	107	4,344
All owners	9,794	2,575	3,303	412	16,083

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes 65,000 acres of timberland unclassified by stand size in National Forests in western Washington.

**Table 12W--Area of timberland by owner and stand-size class, western Washington, 1992<sup>a</sup>**

Owner	Sawtimber	Poletimber	Seedling- sapling	Non- stocked	All classes
<i>Thousand acres</i>					
National Forest	1,486 <sup>b</sup>	179	451	91	2,208
Other public	1,068	177	397	21	1,663
Forest industry	1,765	579	1,277	111	3,732
Other private	1,229	274	425	50	1,978
All owners	5,548	1,210	2,550	274	9,581

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Includes 65,000 acres of timberland unclassified by stand size in National Forests.

**Table 12E--Area of timberland by owner and stand-size class, eastern Washington, 1992<sup>a</sup>**

Owner	Sawtimber	Poletimber	Seedling-sapling	Non-stocked	All classes
<i>Thousand acres</i>					
National Forest	1,371	801	284	38	2,494
Other public	581	90	65	29	764
Forest industry	585	119	160	14	878
Other private	<u>1,710</u>	<u>355</u>	<u>244</u>	<u>57</u>	<u>2,366</u>
All owners	4,247	1,365	752	138	6,502

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

**Table 13--Area of timberland by owner and site class, Washington, 1992<sup>a</sup>**

Owner	Site class <sup>b</sup>						All classes
	≥225	165-224	120-164	85-119	50-84	20-49 <sup>c</sup>	
<i>Thousand acres</i>							
National Forest	31	321	663	662	1,132	1,881	4,690
Other public	207	646	590	365	281	325	2,414
Forest industry	681	1,590	1,129	423	438	322	4,583
Other private	144	541	1,011	822	971	842	4,331
All owners	1,063	3,098	3,393	2,272	2,822	3,370	16,018

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Mean annual cubic-foot growth per acre at culmination in fully stocked, natural stands. Excludes 68,000 acres of nonforest land inclusions, each less than 1 acre.

<sup>c</sup> Includes 18,000 acres of National Forest land in site class 0-19 in western Washington.

**Table 13W--Area of timberland by owner and site class, western Washington, 1992<sup>a</sup>**

Owner	Site class <sup>b</sup>						All classes
	≥225	165-224	120-164	85-119	50-84	20-49 <sup>c</sup>	
<i>Thousand acres</i>							
National Forest	31	321	663	562	544	75	2,194
Other public	207	646	539	170	69	19	1,650
Forest industry	681	1,590	1,038	235	121	40	3,706
Other private	144	525	814	324	124	32	1,963
All owners	1,063	3,082	3,055	1,291	857	165	9,513

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Mean annual cubic-foot growth per acre at culmination in fully stocked, natural stands. Excludes 68,000 acres of nonforest land inclusions, each less than 1 acre.

<sup>c</sup> Includes 18,000 acres of National Forest land in site class 0-19.

**Table 13E--Area of timberland by owner and site class, eastern Washington, 1992<sup>a</sup>**

Owner	Site class <sup>b</sup>						All classes
	≥225	165-224	120-164	85-119	50-84	20-49	
<i>Thousand acres</i>							
National Forest	--	--	--	100	588	1,806	2,494
Other public	--	--	51	195	212	306	764
Forest industry	--	--	91	188	317	282	878
Other private	--	16	197	498	847	810	2,366
All owners	--	16	338	981	1,963	3,204	6,502

-- =none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Mean annual cubic-foot growth per acre at culmination in fully stocked, natural stands.



**Table 14--Area of timberland by forest type and stand-size class, Washington, 1992<sup>a</sup>**

Forest type	Sawtimber	Poletimber	Seedling-sapling	Nonstocked	All classes
<i>Thousand acres</i>					
Softwood types:					
Douglas-fir	4,389	1,069	1,622	--	7,082
Ponderosa pine	1,215	256	189	--	1,660
Fir-spruce	833	124	375	--	1,331
Hemlock-Sitka spruce <sup>b</sup>	1,629	488	613	--	2,730
Western larch	58	38	--	--	96
Lodgepole pine	274	118	34	--	425
Other softwood types	232	38	91	--	362
Total	8,630	2,130	2,926	--	13,687
Hardwood types	1,099	445	377	--	1,921
Nonstocked	--	--	--	412	412
Unclassified <sup>c</sup>	65	--	--	--	65
All types 9,794	2,575	3,303	412	16,083	

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>c</sup> Information on forest type is not available.

**Table 14W--Area of timberland by forest type and stand-size class, western Washington, 1992<sup>a</sup>**

Forest type	Sawtimber	Poletimber	Seedling-sapling	Nonstocked	All classes
<i>Thousand acres</i>					
Softwood types:					
Douglas-fir--					
Douglas-fir	2,099	397	1,015	--	3,513
Douglas-fir/red alder	284	30	146	--	460
Douglas-fir/other hardwood	79	24	24	--	126
Total	2,461	451	1,185	--	4,099
Ponderosa pine	2	--	1	--	3
Fir-spruce--					
Grand fir	26	1	10	--	38
Noble fir	3	--	72	--	76
Noble fir/red alder	--	--	4	--	4
Pacific silver fir	329	43	222	--	593
Pacific silver fir/red alder	--	--	2	--	2
Subalpine fir	7	5	1	--	12
Engelmann spruce	1	--	1	--	2
Mountain hemlock	29	4	11	--	44
Total	395	53	322	--	770
Hemlock-Sitka spruce--					
Western hemlock	1,242	240	568	--	2,050
Western hemlock/red alder	97	20	18	--	134
Western hemlock/other hardwood	8	4	--	--	11
Sitka spruce	17	3	19	--	39
Sitka spruce/red alder	--	4	--	--	4
Total	1,364	271	604	--	2,239
Lodgepole pine	14	8	12	--	34
Other softwood types--					
Western redcedar	134	14	60	--	209
Western redcedar/red alder	47	--	3	--	50
Western redcedar/other hardwood	15	--	--	--	15
Alaska-cedar	4	--	1	--	5
Western white pine	1	1	1	--	2
Unclassified softwood types <sup>b</sup>	--	1	3	--	4
Total	201	16	68	--	285
<b>Total, softwood types</b>	<b>4,436</b>	<b>799</b>	<b>2,192</b>	<b>--</b>	<b>7,429</b>
Hardwood types:					
Red alder	437	226	126	--	789
Red alder/conifer	310	91	145	--	545
Bigleaf maple	130	27	19	--	175
Bigleaf maple/conifer	73	23	11	--	107
Black cottonwood	34	--	31	--	65
Black cottonwood/conifer	--	8	11	--	19
Pacific madrone	3	3	--	--	7
Pacific madrone/conifer	8	--	--	--	8
Oregon white oak/conifer	3	--	--	--	3
Oregon ash	26	8	4	--	38
Bitter cherry	3	--	--	--	3
Bitter cherry/conifer	--	7	--	--	7
Other hardwood type	7	15	11	--	33
Other hardwood type/conifer	12	3	--	--	15
<b>Total, hardwood types</b>	<b>1,046</b>	<b>410</b>	<b>357</b>	<b>--</b>	<b>1,813</b>
Nonstocked	--	--	--	274	274
Unclassified <sup>b</sup>	65	--	--	--	65
<b>All types</b>	<b>5,548</b>	<b>1,210</b>	<b>2,550</b>	<b>274</b>	<b>9,581</b>

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Information on forest type is not available.

**Table 14E--Area of timberland by forest type and stand-size class, eastern Washington, 1992<sup>a</sup>**

Forest type	Sawtimber	Poletimber	Seedling-sapling	Nonstocked	All classes
<i>Thousand acres</i>					
Softwood types:					
Douglas-fir	1,928	618	437	--	2,983
Ponderosa pine	1,213	256	188	--	1,657
Fir-spruce	438	71	53	--	561
Western hemlock <sup>b</sup>	265	217	9	--	491
Western larch	58	38	--	--	96
Lodgepole pine	260	110	22	--	391
Other softwood types	31	22	24	--	77
Total	4,194	1,330	732	--	6,256
Hardwood types	53	35	20	--	108
Nonstocked	--	--	--	138	138
All types	4,247	1,365	752	138	6,502

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>c</sup> Information on forest type is not available.

**Table 15--Net volume of growing stock on timberland, by county, owner, and species group, Washington, 1992<sup>a b</sup>**

County	National Forest	Other public			Forest industry			Other private			Owners other than National Forest			All owners
	All species	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	All Species
<i>Million cubic feet</i>														
Western Washington: <sup>c</sup>														
Clallam	907	772	101	873	594	153	747	273	28	301	1,639	282	1,921	2,828
Clark	7	207	53	260	184	7	191	205	78	282	596	137	733	740
Cowlitz	52	250	49	299	902	184	1,086	206	168	374	1,358	401	1,759	1,811
Grays Harbor	491	693	123	816	2,072	361	2,433	644	183	827	3,410	666	4,076	4,567
Island	--	51	11	62	--	--	--	168	42	210	219	53	272	272
Jefferson	574	630	57	687	406	92	498	167	29	196	1,203	178	1,381	1,955
King	571	675	99	774	804	131	935	287	282	569	1,766	512	2,278	2,849
Kitsap	--	178	23	201	81	20	101	225	106	331	485	148	633	633
Lewis	1,784	514	120	634	1,245	333	1,578	397	241	638	2,156	694	2,850	4,634
Mason	410	290	2	292	772	131	905	220	72	292	1,284	205	1,489	1,899
Pacific	--	302	64	366	1,105	195	1,300	92	14	106	1,498	274	1,772	1,772
Pierce	405	408	41	449	666	124	790	323	163	486	1,397	328	1,725	2,130
San Juan	--	28	--	28	--	--	--	284	37	321	312	37	349	349
Skagit	993	632	137	769	501	137	638	241	171	412	1,374	445	1,819	2,812
Skamania	3,780	390	26	416	170	4	174	166	33	199	726	63	789	4,569
Snohomish	1,471	531	146	677	477	99	576	317	327	644	1,325	572	1,897	3,368
Thurston	--	422	65	487	226	84	310	226	171	397	875	319	1,194	1,194
Wahkiakum	--	165	40	205	246	24	270	10	11	21	420	76	496	496
Whatcom	947	429	89	518	213	96	309	212	271	483	854	456	1,310	2,257
Other <sup>d</sup>	190	na	na	na	na	na	na	na	na	na	na	na	na	190
Total	12,580	7,567	1,246	8,812	10,665	2,176	12,840	4,662	2,427	7,089	22,895	5,848	28,743	41,321

Table 15--(continued)

County	National Forest	Other public			Forest industry			Other private			Owners other than National Forest			All owners
	All species	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	All Species
<i>Million cubic feet</i>														
Eastern Washington: <sup>e</sup>														
Chelan and Douglas	nc	43	--	43	111	--	111	210	24	234	364	24	388	nc
Ferry	nc	59	3	62	96	--	96	1,074	4	1,078	1,229	7	1,236	nc
Kittitas	nc	216	6	222	467	--	467	78	6	84	760	13	773	nc
Klickitat	nc	335	8	343	415	12	427	156	8	164	906	28	934	nc
Lincoln	nc	--	--	--	--	--	--	45	--	45	45	--	45	nc
Okanogan	nc	436	8	444	24	--	24	507	44	551	967	52	1,019	nc
Pend Oreille	nc	174	--	174	289	6	295	279	28	307	742	34	776	nc
Southeastern counties <sup>f</sup>	nc	22	--	22	46	--	46	120	7	127	188	7	195	nc
Spokane and Whitman	nc	62	--	62	86	--	86	385	2	387	533	2	535	nc
Stevens	nc	589	39	628	397	9	406	886	15	901	1,871	64	1,935	nc
Yakima	nc	223	--	223	75	--	75	1,126	34	1,160	1,424	34	1,458	nc
National Forests	6,648	na	na	na	na	na	na	na	na	na	na	na	na	nc
Total	6,648	2,160	63	2,223	2,005	27	2,032	4,866	172	5,039	9,031	264	9,294	15,943
All counties <sup>b</sup>	19,227	9,727	1,309	11,035	12,670	2,204	14,872	9,528	2,599	12,128	31,925	6,112	38,037	57,263

-- = none found or less than 500,000 cubic feet.

na = not applicable.

nc = not available by county.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Does not include volume on timberland in the Mount Baker-Snoqualmie National Forest in Kittitas and Yakima Counties that is administered by the Wenatchee National Forest.

<sup>c</sup> Includes volume on timberland in the Gifford Pinchot National Forest in Klickitat and Yakima Counties. Does not include volume on timberland in the Mount Baker-Snoqualmie National Forest that is administered by the Okanogan National Forest in Skagit and Whatcom Counties.

<sup>d</sup> Volume on timberland in the Gifford Pinchot National Forest in Klickitat, Yakima, Pierce, and Thurston Counties.

<sup>e</sup> Includes volume on timberland in the Mount Baker-Snoqualmie National Forest in Skagit and Whatcom Counties that is administered by the Okanogan National Forest. Does not include volume on timberland in the Gifford Pinchot National Forest in Klickitat and Yakima Counties.

<sup>f</sup> Asotin, Columbia, Garfield, and Walla Walla Counties.

**Table 16--Net volume of sawtimber on timberland, by county and owner, Washington, 1992<sup>a b</sup>**

County	National Forest	Other public			Forest industry			Other private			Owners other than National Forest			All owners
	All species	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	All Species
<i>Million board feet, Scribner rule</i>														
Western Washington: <sup>c</sup>														
Clallam	4,124	3,297	215	3,512	2,020	447	2,467	1,000	84	1,084	6,317	746	7,063	11,187
Clark	34	880	218	1,098	845	9	854	948	275	1,223	2,673	502	3,175	3,209
Cowlitz	262	977	178	1,155	3,565	542	4,107	898	568	1,466	5,439	1,289	6,728	6,990
Grays Harbor	2,368	3,151	410	3,561	8,606	1,204	9,810	2,318	545	2,863	14,074	2,159	16,233	18,601
Island	--	198	51	249	--	--	--	550	135	685	749	185	934	934
Jefferson	2,686	2,844	219	3,063	1,559	352	1,911	585	93	678	4,988	664	5,652	8,338
King	2,420	2,492	351	2,843	2,853	488	3,341	1,053	1,032	2,085	6,397	1,871	8,269	10,689
Kitsap	--	639	79	718	323	43	366	823	399	1,222	1,785	521	2,306	2,306
Lewis	8,995	2,082	403	2,485	4,480	936	5,417	1,703	810	2,513	8,268	2,148	10,416	19,411
Mason	1,865	957	4	961	3,185	430	3,615	786	265	1,051	4,928	699	5,627	7,492
Pacific	--	1,146	316	1,462	3,751	760	4,511	415	60	475	5,312	1,136	6,448	6,448
Pierce	1,600	1,731	134	1,865	2,215	430	2,645	1,150	624	1,774	5,096	1,188	6,284	7,884
San Juan	--	127	--	127	--	--	--	1,032	136	1,168	1,159	136	1,295	1,295
Skagit	4,543	2,508	543	3,051	1,617	477	2,094	859	582	1,441	4,984	1,602	6,586	11,129
Skamania	19,058	1,548	40	1,588	659	9	668	604	69	673	2,811	118	2,929	21,987
Snohomish	6,355	2,169	633	2,802	1,705	365	2,070	1,266	1,168	2,434	5,140	2,165	7,306	13,660
Thurston	--	1,847	215	2,062	1,033	231	1,264	888	529	1,417	3,768	975	4,743	4,743
Wahkiakum	--	736	193	929	1,013	83	1,096	45	32	77	1,793	309	2,102	2,102
Whatcom	4,401	1,650	302	1,952	707	244	951	924	1,024	1,948	3,281	1,570	4,851	9,252
Other <sup>d</sup>	945	na	na	na	na	na	na	na	na	na	na	na	na	945
Total	59,655	30,979	4,504	35,483	40,137	7,050	47,187	17,847	8,430	26,277	88,963	19,984	108,947	168,601

Table 16--(continued)

County	National Forest	Other public			Forest industry			Other private			Owners other than National Forest			All owners
	All species	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	All Species
<i>Million board feet, Scribner rule</i>														
Eastern Washington: <sup>e</sup>														
Chelan and Douglas	nc	135	--	135	461	--	461	1,073	59	1,132	1,669	59	1,728	nc
Ferry	nc	167	--	167	409	--	409	4,564	--	4,564	5,140	--	5,140	nc
Kittitas	nc	1,010	24	1,034	2,144	--	2,144	256	21	277	3,410	45	3,455	nc
Klickitat	nc	1,703	3	1,706	1,879	24	1,903	638	9	647	4,220	36	4,256	nc
Lincoln	nc	--	--	--	--	--	--	162	--	162	162	--	162	nc
Okanogan	nc	1,713	24	1,737	85	--	85	1,937	170	2,107	3,735	194	3,929	nc
Pend Oreille	nc	806	--	806	1,079	3	1,081	903	90	993	2,788	93	2,880	nc
Southeastern counties <sup>f</sup>	nc	75	--	75	225	--	225	459	30	489	759	30	784	nc
Spokane and Whitman	nc	261	--	261	361	--	361	1,541	--	1,541	2,163	--	2,163	nc
Stevens	nc	2,430	160	2,590	1,520	26	1,547	3,136	20	3,156	7,086	206	7,293	nc
Yakima	nc	993	--	993	319	--	319	5,159	71	5,230	6,471	71	6,542	nc
National Forests	35,521	na	na	na	na	na	na	na	na	na	na	na	na	35,521
Total	35,521	9,293	211	9,504	8,482	53	8,535	19,828	470	20,298	37,603	734	38,337	73,858
All counties <sup>b</sup>	95,175	40,272	4,715	44,987	48,619	7,103	55,722	37,675	8,900	46,575	126,565	20,718	147,284	242,459

-- = none found or less than 500,000 board feet.

na = not applicable.

nc = not available by county.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Does not include volume on timberland in the Mount Baker-Snoqualmie National Forest in Kittitas and Yakima Counties that is administered by the Wenatchee National Forest.

<sup>c</sup> Includes volume on timberland in the Gifford Pinchot National Forest in Klickitat and Yakima Counties. Does not include volume on timberland in the Mount Baker-Snoqualmie National Forest that is administered by the Okanagon National Forest in Skagit and Whatcom Counties.

<sup>d</sup> Volume on timberland in the Gifford Pinchot National Forest in Klickitat, Yakima, Pierce, and Thurston Counties.

<sup>e</sup> Includes volume on timberland in the Mount Baker-Snoqualmie National Forest in Skagit and Whatcom Counties that is administered by the Okanagon National Forest. Does not include volume on timberland in the Gifford Pinchot National Forest in Klickitat and Yakima Counties.

<sup>f</sup> Asotin, Columbia, Garfield, and Walla Walla Counties.

**Table 17--Net volume of growing stock on timberland by species and diameter class, Washington, 1992<sup>a</sup>**

Species	Diameter class (inches at breast height)										All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0+	
<i>Million cubic feet</i>											
<b>Softwoods:</b>											
Alaska-cedar	2	3	2	6	4	6	6	4	14	32	80
True firs	238	375	430	470	439	429	450	400	1,152	1,165	5,548
Western larch	66	117	139	141	127	109	119	94	241	108	1,264
Engelmann spruce	23	36	57	74	60	67	61	57	140	68	644
Sitka spruce	12	19	30	28	38	32	30	27	98	242	555
Lodgepole pine	233	356	314	197	148	84	52	29	13	3	1,430
Western white pine	8	16	29	36	28	25	26	20	42	25	255
Ponderosa pine	73	137	217	261	306	318	289	307	805	520	3,233
Douglas-fir	534	1,067	1,465	1,866	2,097	2,152	2,064	1,982	5,474	4,322	23,023
Western redcedar	100	169	174	194	200	200	194	192	610	944	2,976
Western hemlock	431	788	1,027	1,207	1,217	1,138	948	789	1,962	1,911	11,419
Mountain hemlock	2	9	11	14	23	23	33	34	107	129	386
Other softwoods <sup>b</sup>	4	3	8	8	8	6	8	4	35	38	122
<b>Total</b>	<b>1,726</b>	<b>3,097</b>	<b>3,905</b>	<b>4,503</b>	<b>4,695</b>	<b>4,588</b>	<b>4,280</b>	<b>3,938</b>	<b>10,694</b>	<b>9,508</b>	<b>50,934</b>
<b>Hardwoods:</b>											
Bigleaf maple	41	94	130	133	117	120	113	85	198	114	1,144
Red alder	165	411	703	835	725	567	361	211	231	28	4,236
Pacific madrone	4	5	10	10	8	8	4	5	6	--	60
Western paper birch	14	22	28	18	11	3	--	1	--	--	96
Oregon ash	5	10	11	13	15	12	15	7	13	3	103
Quaking aspen	3	14	30	20	14	21	7	2	2	--	110
Black cottonwood	7	11	24	35	24	31	52	61	181	71	496
Cherry	11	17	14	5	2	1	--	1	1	--	51
Oregon white oak	7	6	8	3	--	1	1	2	3	--	28
Other hardwoods <sup>b</sup>	1	--	--	--	--	--	--	--	--	--	1
<b>Total</b>	<b>259</b>	<b>589</b>	<b>957</b>	<b>1,071</b>	<b>914</b>	<b>763</b>	<b>552</b>	<b>374</b>	<b>634</b>	<b>216</b>	<b>6,328</b>
<b>All species</b>	<b>1,985</b>	<b>3,685</b>	<b>4,862</b>	<b>5,574</b>	<b>5,610</b>	<b>5,352</b>	<b>4,831</b>	<b>4,312</b>	<b>11,329</b>	<b>9,724</b>	<b>57,263</b>

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes some species in National Forests in eastern Washington that are listed separately for other ownerships.



**Table 17W--Net volume of growing stock on timberland by species and diameter class, western Washington, 1992<sup>a</sup>**

Species	Diameter class (inches at breast height)										All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0+	
<i>Million cubic feet</i>											
Softwoods:											
Alaska-cedar	2	3	2	6	4	6	6	4	14	32	80
True firs	101	149	192	210	221	218	234	243	768	969	3,304
Western larch	--	--	--	--	--	--	1	--	--	1	3
Engelmann spruce	--	1	2	1	3	5	4	4	22	6	49
Sitka spruce	12	19	30	28	38	32	30	27	98	242	555
Lodgepole pine	5	11	18	18	18	14	9	1	2	--	97
Western white pine	3	3	4	4	6	2	--	1	4	4	33
Ponderosa pine	--	--	--	--	--	--	--	--	2	8	10
Douglas-fir	329	661	964	1,271	1,458	1,537	1,563	1,516	4,391	3,403	17,093
Western redcedar	82	138	139	173	180	169	175	167	557	885	2,665
Western hemlock	418	764	1,002	1,177	1,178	1,106	909	759	1,851	1,833	10,997
Mountain hemlock	2	9	10	14	22	23	33	34	107	129	384
Other softwoods	--	--	--	--	--	--	--	--	--	--	--
Total	954	1,759	2,363	2,903	3,128	3,109	2,964	2,755	7,820	7,513	35,271
Hardwoods:											
Bigleaf maple	41	94	125	131	117	120	113	85	198	114	1,138
Red alder	164	410	703	835	723	565	359	210	229	27	4,226
Pacific madrone	4	5	10	10	8	8	4	5	6	--	60
Western paper birch	4	14	21	13	7	3	--	1	--	--	62
Oregon ash	5	10	11	13	15	12	15	7	13	3	103
Quaking aspen	--	2	2	1	--	1	--	--	--	--	4
Black cottonwood	4	6	17	20	19	21	49	39	156	65	395
Cherry	9	16	14	5	2	1	--	1	1	--	48
Oregon white oak	1	3	4	2	--	--	--	2	2	--	13
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--
Total	234	560	906	1,028	890	731	539	349	604	209	6,051
All species	1,188	2,319	3,270	3,931	4,018	3,841	3,503	3,104	8,425	7,722	41,321

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

**Table 17E--Net volume of growing stock on timberland by species and diameter class, eastern Washington, 1992<sup>a</sup>**

Species	Diameter class (inches at breast height)										All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0+	
<i>Million cubic feet</i>											
Softwoods:											
True firs	137	226	239	260	218	212	216	157	383	196	2,244
Western larch	66	117	139	141	127	109	118	94	241	107	1,261
Engelmann spruce	23	35	55	73	57	62	57	53	118	62	595
Lodgepole pine	228	345	296	179	130	70	43	28	11	3	1,334
Western white pine	5	13	25	32	22	23	26	19	38	21	223
Ponderosa pine	73	137	217	261	306	318	289	307	803	512	3,222
Douglas-fir	205	406	501	595	639	615	501	466	1,083	919	5,930
Western redcedar	18	31	35	21	20	31	19	25	53	59	311
Western hemlock	13	24	25	30	40	32	39	30	111	78	422
Mountain hemlock	--	--	1	--	1	--	--	--	--	--	2
Other softwoods <sup>b</sup>	4	3	8	8	8	6	8	4	35	38	122
Total	772	1,339	1,541	1,600	1,568	1,477	1,316	1,183	2,874	1,995	15,665
Hardwoods:											
Bigleaf maple	--	--	5	2	--	--	--	--	--	--	7
Red alder	1	1	--	--	2	2	2	1	2	1	11
Western paper birch	10	8	7	5	4	--	--	--	--	--	34
Quaking aspen	3	12	28	19	14	20	7	2	2	--	106
Black cottonwood	3	5	7	15	5	10	3	22	25	6	101
Cherry	2	1	--	--	--	--	--	--	--	--	3
Oregon white oak	6	3	4	1	--	1	1	--	1	--	16
Other hardwoods <sup>b</sup>	1	--	--	--	--	--	--	--	--	--	1
Total	26	29	50	42	24	32	13	25	30	7	278
All species	798	1,367	1,592	1,642	1,593	1,509	1,329	1,207	2,903	2,003	15,943

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes some species in National Forests in eastern Washington that are listed separately for other ownerships.

**Table 18--Net volume of sawtimber on timberland by species and diameter class, Washington, 1992<sup>a</sup>**

Species	Diameter class (inches at breast height)								All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0+	
<i>Million board feet, Scribner rule</i>									
Softwoods:									
True firs	1,423	1,898	1,962	2,054	2,307	2,094	6,467	7,152	25,354
Alaska-cedar	4	17	14	18	21	17	63	173	327
Western larch	493	632	646	590	657	549	1,486	684	5,737
Engelmann spruce	231	352	311	373	362	339	883	459	3,309
Sitka spruce	74	82	132	124	120	115	469	1,356	2,472
Lodgepole pine	1,183	857	696	422	265	165	75	14	3,676
Western white pine	115	178	145	139	153	119	265	191	1,306
Ponderosa pine	664	1,016	1,365	1,547	1,499	1,672	4,868	3,641	16,271
Douglas-fir	4,258	6,737	8,592	9,484	9,578	9,630	28,665	25,754	102,698
Western redcedar	438	576	662	719	738	763	2,527	4,585	11,007
Western hemlock	2,860	4,196	4,767	4,797	4,257	3,734	10,139	11,849	46,600
Mountain hemlock	27	43	78	87	137	146	521	725	1,766
Other softwoods <sup>b</sup>	34	39	41	33	46	22	205	234	654
Total	11,804	16,623	19,412	20,388	20,140	19,363	56,631	56,814	221,177
Hardwoods:									
Bigleaf maple	--	488	530	583	561	430	1,025	573	4,189
Red alder	--	3,152	3,315	2,809	1,851	1,106	1,225	149	13,606
Pacific madrone	--	35	35	38	17	26	27	--	179
Western paper birch	--	63	44	14	--	4	1	--	125
Oregon ash	--	48	67	60	72	36	64	14	360
Quaking aspen	--	69	62	96	31	8	9	--	275
Black cottonwood	--	131	111	155	283	318	1,053	420	2,470
Cherry	--	18	6	3	--	4	4	--	35
Oregon white oak	--	8	--	7	2	8	10	--	35
Other hardwoods <sup>b</sup>	--	2	1	1	1	1	1	1	7
Total	--	4,013	4,171	3,765	2,818	1,941	3,418	1,156	21,283
All species	11,804	20,637	23,583	24,152	22,958	21,304	60,049	57,971	242,459

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes some species in National Forests in eastern Washington that are listed separately for other ownerships.

**Table 18W--Net volume of sawtimber on timberland by species and diameter class, western Washington, 1992<sup>a</sup>**

Species	Diameter class (inches at breast height)								All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0+	
<i>Million board feet, Scribner rule</i>									
Softwoods:									
True firs	492	709	845	902	1,070	1,169	4,045	5,772	15,000
Alaska-cedar	4	17	14	18	21	17	63	173	327
Western larch	--	--	1	--	3	--	3	8	16
Engelmann spruce	5	4	10	20	21	21	115	34	229
Sitka spruce	74	82	132	124	120	115	469	1,356	2,472
Lodgepole pine	47	57	60	53	35	4	9	1	265
Western white pine	11	15	22	10	1	4	26	23	113
Ponderosa pine	--	--	1	1	--	--	9	48	59
Douglas-fir	2,526	4,245	5,598	6,407	6,922	7,027	22,030	19,173	73,927
Western redcedar	321	492	575	579	647	639	2,267	4,266	9,784
Western hemlock	2,749	4,046	4,541	4,603	4,030	3,544	9,382	11,250	44,145
Mountain hemlock	24	43	73	87	137	146	521	725	1,758
Other softwoods	--	--	--	--	--	--	--	--	--
Total	6,254	9,710	11,872	12,804	13,007	12,684	38,937	42,827	148,097
Hardwoods:									
Bigleaf maple	--	483	530	583	561	430	1,025	573	4,184
Red alder	--	3,152	3,307	2,802	1,842	1,104	1,218	143	13,567
Pacific madrone	--	35	35	38	17	26	27	--	179
Western paper birch	--	44	30	14	--	4	1	--	92
Oregon ash	--	48	67	60	72	36	64	14	360
Quaking aspen	--	2	--	4	--	--	--	--	6
Black cottonwood	--	77	92	107	270	212	916	385	2,057
Cherry	--	18	6	3	--	4	4	--	35
Oregon white oak	--	6	--	3	--	8	6	--	23
Other hardwoods	--	--	--	--	--	--	--	--	--
Total	--	3,864	4,067	3,613	2,762	1,824	3,260	1,115	20,505
All species	6,254	13,575	15,939	16,416	15,769	14,508	42,197	43,943	168,601

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

**Table 18E--Net volume of sawtimber on timberland by species and diameter class, eastern Washington, 1992<sup>a</sup>**

Species	Diameter class (inches at breast height)								All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0+	
<i>Million board feet, Scribner rule</i>									
Softwoods:									
True firs	931	1,189	1,117	1,152	1,237	925	2,422	1,380	10,353
Western larch	493	632	645	590	654	549	1,483	676	5,720
Engelmann spruce	226	348	301	353	341	318	768	425	3,080
Lodgepole pine	1,136	800	636	369	230	161	66	13	3,411
Western white pine	104	163	123	129	152	115	239	168	1,194
Ponderosa pine	664	1,016	1,364	1,546	1,499	1,672	4,859	3,593	16,213
Douglas-fir	1,732	2,492	2,994	3,077	2,656	2,603	6,635	6,581	28,770
Western redcedar	117	84	87	140	91	124	260	319	1,221
Western hemlock	111	150	226	194	227	190	757	599	2,455
Mountain hemlock	3	--	5	--	--	--	--	--	8
Other softwoods <sup>b</sup>	34	39	41	33	46	22	205	234	654
Total	5,550	6,913	7,540	7,584	7,133	6,679	17,694	13,987	73,080
Hardwoods:									
Bigleaf maple	--	5	--	--	--	--	--	--	5
Red alder	--	--	8	7	9	2	7	6	39
Western paper birch	--	19	14	--	--	--	--	--	33
Quaking aspen	--	67	62	92	31	8	9	--	269
Black cottonwood	--	54	19	48	13	106	137	35	413
Cherry	--	--	--	--	--	--	--	--	--
Oregon white oak	--	2	--	4	2	--	4	--	12
Other hardwoods <sup>b</sup>	--	2	1	1	1	1	1	1	7
Total	--	149	104	152	56	117	158	41	778
All species	5,550	7,062	7,644	7,736	7,189	6,796	17,852	14,028	73,858

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes some species in National Forests in eastern Washington that are listed separately for other ownerships.

**Table 19--Net volume of growing stock on timberland by species and owner, Washington, 1992<sup>a</sup>**

Species	National Forest	Other public	Forest industry	Other private	All owners
<i>Million cubic feet</i>					
Softwoods:					
True firs	3,814	502	646	586	5,548
Alaska-cedar	73	4	2	1	80
Western larch	599	171	134	360	1,264
Engelmann spruce	403	150	35	55	644
Sitka spruce	46	133	257	119	555
Lodgepole pine	644	173	87	526	1,430
Western white pine	192	13	23	27	255
Ponderosa pine	771	414	378	1,670	3,233
Douglas-fir	7,666	5,167	5,804	4,386	23,023
Western redcedar	818	518	753	887	2,976
Western hemlock	3,553	2,462	4,524	879	11,419
Mountain hemlock	367	14	3	2	386
Other softwoods <sup>b</sup>	119	3	--	--	122
Total	19,064	9,724	12,647	9,499	50,934
Hardwoods:					
Bigleaf maple	38	197	286	623	1,144
Red alder	96	968	1,718	1,455	4,236
Pacific madrone	1	11	--	48	60
Western paper birch	--	14	30	52	96
Oregon ash	--	4	15	84	103
Quaking aspen	--	22	12	76	110
Black cottonwood	27	80	140	249	496
Cherry	--	13	19	20	51
Oregon white oak	--	1	6	22	28
Other hardwoods <sup>b</sup>	1	--	--	--	1
Total	163	1,311	2,225	2,629	6,328
All species	19,227	11,035	14,872	12,128	57,263

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes some species in National Forests in eastern Washington that are listed separately for other ownerships.

**Table 19W--Net volume of growing stock on timberland by species and owner, western Washington, 1992<sup>a</sup>**

Species	National Forest	Other public	Forest industry	Other private	All owners
<i>Million cubic feet</i>					
<b>Softwoods:</b>					
Pacific silver fir	2,272	282	247	28	2,829
Grand fir	96	36	63	109	303
Noble fir	122	--	--	--	122
Subalpine fir	50	--	--	--	50
Alaska-cedar	73	4	2	1	80
Western larch	3	--	--	--	3
Engelmann spruce	44	--	5	--	49
Sitka spruce	46	133	257	119	555
Lodgepole pine	19	1	23	54	97
Western white pine	11	4	3	14	33
Ponderosa pine	10	--	--	--	10
Douglas-fir	5,399	4,211	4,864	2,619	17,093
Western redcedar	740	427	670	827	2,665
Western hemlock	3,165	2,456	4,505	871	10,997
Mountain hemlock	367	14	3	--	384
Other softwoods	--	--	--	--	--
Total	12,418	7,569	10,642	4,641	35,271
<b>Hardwoods:</b>					
Bigleaf maple	38	190	286	623	1,138
Red alder	96	962	1,714	1,455	4,226
Pacific madrone	1	11	--	48	60
Western paper birch	--	7	23	32	62
Oregon ash	--	4	15	84	103
Quaking aspen	--	--	--	4	4
Black cottonwood	27	58	140	170	395
Cherry	--	11	19	18	48
Oregon white oak	--	--	1	12	13
Other hardwoods	--	--	--	--	--
Total	163	1,243	2,198	2,448	6,051
All species	12,580	8,812	12,840	7,089	41,321

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

Table 19E--Net volume of growing stock on timberland by species and owner, eastern Washington, 1992<sup>a</sup>

Species	National Forest	Other public	Forest industry	Other private	All owners
<i>Million cubic feet</i>					
<b>Softwoods:</b>					
Pacific silver fir	na	13	28	15	57
Grand fir	na	130	272	409	811
Subalpine fir	na	41	36	25	102
True firs	1,274	na	na	na	1,274
Western larch	596	171	134	360	1,261
Engelmann spruce	359	150	30	55	595
Lodgepole pine	625	172	64	472	1,334
Western white pine	181	9	20	13	223
Ponderosa pine	760	414	378	1,670	3,222
Douglas-fir	2,267	956	940	1,767	5,930
Western redcedar	78	90	83	60	311
Western hemlock	388	6	18	9	422
Mountain hemlock	--	--	--	2	2
Other softwoods <sup>b</sup>	119	3	--	2	122
<b>Total</b>	<b>6,647</b>	<b>2,155</b>	<b>2,005</b>	<b>4,858</b>	<b>15,665</b>
<b>Hardwoods:</b>					
Bigleaf maple	na	7	--	--	7
Red alder	na	7	4	--	11
Western paper birch	na	7	6	20	34
Quaking aspen	na	22	12	72	106
Black cottonwood	na	23	--	78	101
Cherry	na	2	--	2	3
Oregon white oak	na	1	5	10	16
Other hardwoods <sup>b</sup>	1	--	--	--	1
<b>Total</b>	<b>1</b>	<b>68</b>	<b>27</b>	<b>182</b>	<b>278</b>
<b>All species</b>	<b>6,648</b>	<b>2,223</b>	<b>2,032</b>	<b>5,039</b>	<b>15,943</b>

-- = none found or less than 500,000 cubic feet.

na = not available by species for National Forests in eastern Washington but available by species for other ownerships.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes some species in National Forests in eastern Washington that are listed separately for other ownerships.



**Table 20--Net volume of sawtimber on timberland by species and owner, Washington, 1992<sup>a</sup>**

Species	National Forest	Other public	Forest industry	Other private	All owners
<i>Million board feet, Scribner rule</i>					
Softwoods:					
True firs	18,436	2,019	2,373	2,527	25,354
Alaska-cedar	300	16	9	3	327
Western larch	3,100	644	506	1,487	5,737
Engelmann spruce	2,203	676	186	245	3,309
Sitka spruce	283	607	1,030	553	2,472
Lodgepole pine	1,566	393	253	1,464	3,676
Western white pine	1,051	52	102	101	1,306
Ponderosa pine	5,191	1,915	1,680	7,485	16,271
Douglas-fir	39,134	22,501	23,643	17,420	102,698
Western redcedar	3,694	1,830	2,480	3,003	11,007
Western hemlock	17,428	9,652	16,234	3,287	46,600
Mountain hemlock	1,695	53	10	8	1,766
Other softwoods <sup>b</sup>	640	14	--	--	654
Total	94,720	40,369	48,505	37,582	221,177
Hardwoods: <sup>c</sup>					
Bigleaf maple	92	718	900	2,500	4,209
Red alder	270	3,366	5,489	4,519	13,644
Pacific madrone	1	25	--	154	180
Western paper birch	--	19	28	79	125
Oregon ash	--	19	32	309	360
Quaking aspen	--	70	37	167	275
Black cottonwood	144	400	718	1,208	2,470
Cherry	--	1	6	28	35
Oregon white oak	--	--	7	29	35
Other hardwoods <sup>b</sup>	7	--	--	--	7
Total	514	4,618	7,217	8,993	21,342
All species	95,235	44,987	55,722	46,575	242,518

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes some species in National Forests in eastern Washington that are listed separately for other ownerships.

<sup>c</sup> Includes hardwood trees 9.0 inches d.b.h. and larger in National Forests in western Washington.

**Table 20W--Net volume of sawtimber on timberland by species and owner, western Washington, 1992<sup>a</sup>**

Species	National Forest <sup>b</sup>	Other public	Forest industry	Other private	All owners
<i>Million board feet, Scribner rule</i>					
<b>Softwoods:</b>					
Pacific silver fir	10,904	1,168	827	116	13,015
Grand fir	438	136	235	451	1,259
Noble fir	600	--	--	--	600
Subalpine fir	126	--	--	--	126
Alaska-cedar	300	16	9	3	327
Western larch	16	--	--	--	16
Engelmann spruce	209	--	20	--	229
Sitka spruce	283	607	1,030	553	2,472
Lodgepole pine	65	4	63	133	265
Western white pine	48	13	11	41	113
Ponderosa pine	59	--	--	--	59
Douglas-fir	26,049	18,004	19,489	10,386	73,927
Western redcedar	3,331	1,462	2,172	2,821	9,784
Western hemlock	15,085	9,625	16,167	3,269	44,145
Mountain hemlock	1,695	53	10	--	1,758
Other softwoods	--	--	--	--	--
Total	59,207	31,085	40,032	17,772	148,097
<b>Hardwoods:</b>					
Bigleaf maple	92	713	900	2,500	4,204
Red alder	270	3,344	5,471	4,519	13,605
Pacific madrone	1	25	--	154	180
Western paper birch	--	7	25	61	92
Oregon ash	--	19	32	309	360
Black cottonwood	144	288	718	908	2,057
Quaking aspen	--	--	--	6	6
Oregon white oak	--	--	3	21	23
Other hardwoods	--	--	--	--	--
Total	507	4,397	7,155	8,505	20,564
All species	59,714	35,483	47,187	26,277	168,660

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> National Forest data include hardwood trees 9.0 inches d.b.h. and larger.

**Table 20E--Net volume of sawtimber on timberland by species and owner, eastern Washington, 1992<sup>a</sup>**

Species	National Forest	Other public	Forest industry	Other private	All owners
<i>Million board feet, Scribner rule</i>					
Softwoods:					
Pacific silver fir	na	25	141	63	229
Grand fir	na	537	1,025	1,832	3,394
Subalpine fir	na	153	145	65	363
True firs	6,368	--	--	--	6,368
Western larch	3,084	644	506	1,487	5,721
Engelmann spruce	1,994	676	166	245	3,080
Lodgepole pine	1,501	389	190	1,331	3,411
Western white pine	1,003	39	91	60	1,193
Ponderosa pine	5,132	1,915	1,680	7,485	16,212
Douglas-fir	13,085	4,497	4,154	7,034	28,771
Western redcedar	363	368	308	182	1,221
Western hemlock	2,343	27	67	18	2,455
Mountain hemlock	--	--	--	8	8
Other softwoods <sup>b</sup>	640	14	--	--	654
Total	35,513	9,284	8,473	19,810	73,080
Hardwoods:					
Bigleaf maple	na	5	--	--	5
Red alder	na	22	18	--	39
Western paper birch	na	12	3	18	33
Quaking aspen	na	70	37	161	269
Black cottonwood	na	112	--	300	413
Oregon white oak	--	--	4	8	12
Other hardwoods <sup>b</sup>	7	--	--	--	7
Total	7	221	62	488	778
All species	35,521	9,504	8,535	20,298	73,858

-- = none found or less than 500,000 board feet.

na = not available by species on National Forests in eastern Washington but available by species for other ownerships.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes species in National Forests in eastern Washington that are listed separately for other ownerships.

**Table 21--Net volume of growing stock on timberland by forest type and stand-size class, Washington, 1992<sup>a</sup>**

Forest type	Sawtimber	Poletimber	Seedling-sapling	Nonstocked	All classes
<i>Million cubic feet</i>					
Softwood types:					
Douglas-fir	23,131	2,398	228	--	25,756
Ponderosa pine	2,606	393	63	--	3,061
Fir-spruce	4,687	169	120	--	4,976
Hemlock-Sitka spruce <sup>b</sup>	11,219	1,335	174	--	12,728
Western larch	239	88	--	--	327
Lodgepole pine	715	316	20	--	1,051
Other softwood types	1,385	70	31	--	1,488
Total	43,982	4,769	636	--	49,387
Hardwood types	5,568	1,403	168	--	7,138
Nonstocked	--	--	--	60	60
Unclassified <sup>c</sup>	680	--	--	--	680
All types	50,230	6,172	804	60	57,263

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>c</sup> Information on forest type is not available.

**Table 21W--Net volume of growing stock on timberland by forest type and stand-size class, western Washington, 1992<sup>a</sup>**

Forest type	Sawtimber	Poletimber	Seedling-sapling	Nonstocked	All classes
<i>Million cubic feet</i>					
Softwood types:					
Douglas-fir--					
Douglas-fir	14,897	717	93	--	15,707
Douglas-fir/red alder	1,768	62	23	--	1,853
Douglas-fir/other hardwood	418	37	8	--	463
Total	17,084	816	124	--	18,024
Ponderosa pine	6	1	--	--	7
Fir-spruce--					
Grand fir	144	3	1	--	148
Noble fir	124	5	1	--	130
Noble fir/red alder	--	--	9	--	9
Pacific silver fir	2,616	87	91	--	2,794
Pacific silver fir/red alder	--	--	--	--	--
Subalpine fir	33	11	--	--	44
Engelmann spruce	12	--	--	--	12
Mountain hemlock	200	4	2	--	206
Total	3,129	112	105	--	3,345
Hemlock-Sitka spruce--					
Western hemlock	9,358	539	163	--	10,059
Western hemlock/red alder	632	44	5	--	680
Western hemlock/other hardwood	62	1	--	--	63
Sitka spruce	111	10	--	--	121
Sitka spruce/red alder	--	5	--	--	5
Total	10,163	598	167	--	10,928
Lodgepole pine	53	20	17	--	90
Other softwood types--					
Western redcedar	873	23	20	--	916
Western redcedar/red alder	279	--	1	--	281
Western redcedar/other hardwood	77	--	--	--	77
Alaska-cedar	26	--	--	--	26
Western white pine	4	3	--	--	7
Unclassified softwood types <sup>b</sup>	--	3	--	--	3
Total	1,259	29	22	--	1,310
Total, softwood types	31,693	1,575	435	--	33,704
Hardwood types:					
Western hardwoods--					
Red alder	2,233	748	82	--	3,062
Red alder/conifer	1,860	292	39	--	2,192
Bigleaf maple	581	87	2	--	670
Bigleaf maple/conifer	374	71	7	--	452
Black cottonwood	179	--	4	--	182
Black cottonwood/conifer	--	10	3	--	12
Pacific madrone	15	6	--	--	21
Pacific madrone/conifer	22	--	--	--	22
Oregon white oak/conifer	5	--	--	--	5
Oregon ash	99	24	2	--	125
Bitter cherry	9	--	--	--	9
Bitter cherry/conifer	--	17	--	--	17
Other hardwood types	28	52	7	--	88
Other hardwood types/conifer	38	3	--	--	42
Total, hardwood types	5,443	1,311	146	--	6,899
Nonstocked	--	--	--	37	37
Unclassified <sup>b</sup>	680	--	--	--	680
All types	37,816	2,886	581	37	41,321

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Information on forest type is not available.

**Table 21E--Net volume of growing stock on timberland by forest type and stand-size class, eastern Washington, 1992<sup>a</sup>**

Forest type	Sawtimber	Poletimber	Seedling-sapling	Nonstocked	All classes
<i>Million cubic feet</i>					
Softwood types:					
Douglas-fir	6,047	1,582	104	--	7,732
Ponderosa pine	2,600	392	63	--	3,054
Fir-spruce	1,558	57	15	--	1,631
Western hemlock <sup>b</sup>	1,056	732	7	--	1,800
Western larch	239	88	--	--	327
Lodgepole pine	662	296	3	--	961
Other softwood types	126	41	9	--	176
Total	12,288	3,193	201	--	15,682
Hardwood types	125	92	22	--	238
Nonstocked	--	--	--	22	22
All types	12,413	3,285	223	22	15,943

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

**Table 22--Net volume of sawtimber on timberland by forest type and stand-size class, Washington, 1992<sup>a</sup>**

Forest type	Sawtimber	Poletimber	Seedling-sapling	Nonstocked	All classes
<i>Million board feet, Scribner rule</i>					
Softwood types:					
Douglas-fir	102,151	8,173	641	--	110,964
Ponderosa pine	11,827	1,673	247	--	13,747
Fir-spruce	23,410	442	569	--	24,422
Hemlock-Sitka spruce <sup>b</sup>	48,347	4,496	537	--	53,380
Western larch	944	140	--	--	1,085
Lodgepole pine	3,095	505	58	--	3,659
Other softwood types	5,352	123	59	--	5,534
Total	195,126	15,552	2,111	--	212,790
Hardwood types	21,939	3,479	480	--	25,899
Nonstocked	--	--	--	238	238
Unclassified <sup>c</sup>	3,534	56	--	--	3,590
All types	220,599	19,087	2,591	238	242,518

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>c</sup> Information on forest type is not available.

**Table 22W--Net volume of sawtimber on timberland by forest type and stand-size class, western Washington, 1992<sup>a b</sup>**

Forest type	Sawtimber	Poletimber	Seedling-sapling	Nonstocked	All classes
<i>Million board feet, Scribner rule</i>					
Softwood types:					
Douglas-fir--					
Douglas-fir	63,884	1,211	198	--	65,293
Douglas-fir/red alder	7,083	106	57	--	7,246
Douglas-fir/other hardwood	1,599	61	17	--	1,677
Total	72,566	1,379	272	--	74,216
Ponderosa pine					
	33	3	--	--	36
Fir-spruce--					
Grand fir	676	8	--	--	684
Noble fir	657	13	1	--	671
Noble fir/red alder	--	--	35	--	35
Pacific silver fir	13,460	139	475	--	14,073
Pacific silver fir/red alder	--	--	--	--	--
Subalpine fir	135	17	--	--	153
Engelmann spruce	61	1	--	--	62
Mountain hemlock	816	6	8	--	830
Total	15,805	185	519	--	16,510
Hemlock-Sitka spruce--					
Western hemlock	39,281	751	520	--	40,550
Western hemlock/red alder	2,554	76	1	--	2,630
Western hemlock/other hardwood	211	--	--	--	211
Sitka spruce	487	16	--	--	503
Sitka spruce/red alder	--	3	--	--	3
Total	42,532	845	520	--	43,897
Lodgepole pine					
	151	52	49	--	252
Other softwood types--					
Western redcedar	3,308	42	44	--	3,394
Western redcedar/red alder	1,106	--	4	--	1,111
Western redcedar/other hardwood	290	--	--	--	290
Alaska-cedar	104	--	--	--	104
Western white pine	28	8	--	--	36
Unclassified softwood types <sup>c</sup>	--	--	--	--	--
Total	4,837	50	48	--	4,935
Total, softwood types	135,925	2,514	1,409	--	139,847
Hardwood types:					
Western hardwoods--					
Red alder	8,819	1,799	227	--	10,844
Red alder/conifer	7,304	769	85	--	8,158
Bigleaf maple	2,345	242	5	--	2,592
Bigleaf maple/conifer	1,342	220	26	--	1,588
Black cottonwood	777	--	7	--	783
Black cottonwood/conifer	--	10	--	--	10
Pacific madrone	50	15	--	--	65
Pacific madrone/conifer	86	--	--	--	86
Oregon white oak/conifer	13	--	--	--	13
Oregon ash	397	65	8	--	470
Bitter cherry	25	--	--	--	25
Bitter cherry/conifer	--	37	--	--	37
Other hardwood types	100	118	23	--	241
Other hardwood types/conifer	155	10	--	--	165
Total, hardwood types	21,413	3,285	380	--	25,079
Nonstocked					
	--	--	--	144	144
Unclassified <sup>c</sup>					
	3,534	56	--	--	3,590
All types	160,872	5,854	1,789	144	168,660

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Includes hardwood trees 9.0 inches d.b.h. and larger in National Forests.

<sup>c</sup> Information on forest type is not available.



**Table 22E--Net volume of sawtimber on timberland by forest type and stand-size class, eastern Washington, 1992<sup>a</sup>**

Forest type	Sawtimber	Poletimber	Seedling-sapling	Nonstocked	All classes
<i>Million board feet, Scribner rule</i>					
Softwood types:					
Douglas-fir	29,585	6,794	369	--	36,748
Ponderosa pine	11,794	1,670	247	--	13,711
Fir-spruce	7,605	257	50	--	7,912
Western hemlock <sup>b</sup>	5,815	3,651	17	--	9,483
Western larch	944	140	--	--	1,085
Lodgepole pine	2,944	453	9	--	3,407
Other softwood types	515	73	11	--	599
Total	59,202	13,038	704	--	72,944
Hardwood types	526	194	100	--	820
Nonstocked	--	--	--	94	94
All types	59,728	13,231	804	94	73,858

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

**Table 23--Net volume of growing stock on timberland by forest type and owner, Washington, 1992<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Million cubic feet</i>					
Softwood types:					
Douglas-fir	9,035	5,787	6,261	4,674	25,756
Ponderosa pine	613	404	383	1,661	3,061
Fir-spruce	3,580	453	436	507	4,976
Hemlock-Sitka spruce <sup>b</sup>	4,819	2,501	4,712	696	12,728
Western larch	--	109	62	155	327
Lodgepole pine	230	174	78	569	1,051
Other softwood types	175	252	488	572	1,488
Total	18,452	9,680	12,420	8,834	49,387
Hardwood types	95	1,351	2,435	3,257	7,138
Nonstocked	1	4	17	37	60
Unclassified <sup>c</sup>	680	--	--	--	680
All types	19,228	11,035	14,872	12,128	57,263

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>c</sup> Information on forest type is not available.

**Table 23W--Net volume of growing stock on timberland by forest type and owner, western Washington, 1992<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Million cubic feet</i>					
Softwood types:					
Douglas-fir--					
Douglas-fir	5,537	3,917	4,196	2,058	15,707
Douglas-fir/red alder	--	567	892	394	1,853
Douglas-fir/other hardwood	--	96	149	218	463
Total	5,537	4,580	5,238	2,669	18,024
Ponderosa pine					
	7	--	--	--	7
Fir-spruce--					
Grand fir	86	11	6	45	148
Noble fir	129	--	1	--	130
Noble fir/red alder	--	9	--	--	9
Pacific silver fir	2,539	198	49	8	2,794
Pacific silver fir/red alder	--	--	--	--	--
Subalpine fir	44	--	--	--	44
Engelmann spruce	12	--	--	--	12
Mountain hemlock	183	18	5	--	206
Total	2,994	236	61	53	3,345
Hemlock-Sitka spruce--					
Western hemlock	3,052	2,210	4,269	529	10,059
Western hemlock/red alder	--	256	337	87	680
Western hemlock/other hardwood	--	35	28	--	63
Sitka spruce	17	--	43	60	121
Sitka spruce/red alder	--	--	5	--	5
Total	3,069	2,501	4,681	677	10,928
Lodgepole pine					
	26	1	21	42	90
Other softwood types--					
Western redcedar	136	142	278	361	916
Western redcedar/red alder	--	60	99	121	281
Western redcedar/other hardwood	--	--	27	50	77
Alaska-cedar	26	--	--	--	26
Western white pine	7	--	--	--	7
Unclassified softwood types <sup>b</sup>	3	--	--	--	3
Total	172	202	404	532	1,310
Total, softwood types	11,805	7,520	10,405	3,974	33,704
Hardwood types:					
Western hardwoods--					
Red alder	61	598	1,070	1,333	3,062
Red alder/conifer	--	565	990	637	2,192
Bigleaf maple	31	48	55	536	670
Bigleaf maple/conifer	--	33	182	236	452
Black cottonwood	--	47	47	88	182
Black cottonwood/conifer	--	--	--	12	12
Pacific madrone	--	--	--	21	21
Pacific madrone/conifer	--	--	--	22	22
Oregon white oak/conifer	--	--	--	5	5
Oregon ash	--	--	21	104	125
Bitter cherry	--	--	--	9	9
Bitter cherry/conifer	--	--	6	10	17
Other hardwood types	3	--	34	51	88
Other hardwood types/conifer	--	--	10	31	42
Total, hardwood types	95	1,291	2,417	3,096	6,899
Nonstocked					
Unclassified <sup>b</sup>	--	1	17	19	37
	680	--	--	--	680
All types	12,580	8,812	12,840	7,089	41,321

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Information on forest type is not available.

**Table 23E--Net volume of growing stock on timberland by forest type and owner, eastern Washington, 1992<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Million cubic feet</i>					
Softwood types:					
Douglas-fir	3,498	1,206	1,023	2,005	7,732
Ponderosa pine	606	404	383	1,661	3,054
Fir-spruce	586	217	375	453	1,631
Western hemlock <sup>b</sup>	1,750	--	30	19	1,800
Western larch	--	109	62	155	327
Lodgepole pine	204	173	57	527	961
Other softwood types	3	50	84	40	176
Total	6,647	2,160	2,015	4,861	15,682
Hardwood types	--	60	18	160	238
Nonstocked	1	3	--	18	22
All types	6,648	2,223	2,032	5,039	15,943

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

**Table 24--Net volume of sawtimber on timberland by forest type and owner, Washington, 1992<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Million board feet, Scribner rule</i>					
Softwood types:					
Douglas-fir	43,978	24,276	24,534	18,176	110,964
Ponderosa pine	3,147	1,745	1,629	7,225	13,747
Fir-spruce	18,522	1,895	1,870	2,135	24,422
Hemlock-Sitka spruce <sup>b</sup>	23,700	10,074	16,891	2,715	53,380
Western larch	--	305	120	659	1,085
Lodgepole pine	1,213	468	189	1,788	3,659
Other softwood types	752	947	1,789	2,046	5,534
Total	91,312	39,710	47,022	34,745	212,790
Hardwood types	328	5,261	8,634	11,676	25,899
Nonstocked	3	15	66	154	238
Unclassified <sup>c</sup>	3,590	--	--	--	3,590
All types	95,235	44,987	55,722	46,575	242,518

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>c</sup> Information on forest type is not available.

**Table 24W--Net volume of sawtimber on timberland by forest type and owner, western Washington, 1992<sup>a b</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Million board feet, Scribner rule</i>					
Softwood types:					
Douglas-fir--					
Douglas-fir	25,291	16,026	16,080	7,897	65,293
Douglas-fir/red alder	--	2,284	3,551	1,411	7,246
Douglas-fir/other hardwood	--	399	465	813	1,677
Total	25,291	18,709	20,096	10,120	74,216
Ponderosa pine	36	--	--	--	36
Fir-spruce--					
Grand fir	446	36	18	184	684
Noble fir	670	--	1	--	671
Noble fir/red alder	--	35	--	--	35
Pacific silver fir	13,145	806	103	20	14,073
Pacific silver fir/red alder	--	--	--	--	--
Subalpine fir	153	--	--	--	153
Engelmann spruce	62	--	--	--	62
Mountain hemlock	752	66	12	--	830
Total	15,228	943	135	204	16,510
Hemlock-Sitka spruce--					
Western hemlock	14,293	8,923	15,244	2,090	40,550
Western hemlock/red alder	--	1,031	1,278	322	2,630
Western hemlock/other hardwood	--	120	90	--	211
Sitka spruce	114	--	138	251	503
Sitka spruce/red alder	--	--	3	--	3
Total	14,407	10,074	16,753	2,663	43,897
Lodgepole pine	88	1	54	109	252
Other softwood types--					
Western redcedar	604	532	1,004	1,254	3,394
Western redcedar/red alder	--	240	408	462	1,111
Western redcedar/other hardwood	--	--	105	185	290
Alaska-cedar	104	--	--	--	104
Western white pine	36	--	--	--	36
Unclassified softwood types <sup>c</sup>	--	--	--	--	--
Total	744	772	1,518	1,901	4,935
Total, softwood types	55,795	30,499	38,556	14,997	139,847
Hardwood types:					
Western hardwoods--					
Red alder	224	2,142	3,864	4,615	10,844
Red alder/conifer	--	2,336	3,494	2,328	8,158
Bigleaf maple	105	205	210	2,072	2,592
Bigleaf maple/conifer	--	115	601	872	1,588
Black cottonwood	--	182	173	428	783
Black cottonwood/conifer	--	--	--	10	10
Pacific madrone	--	--	--	65	65
Pacific madrone/conifer	--	--	--	86	86
Oregon white oak/conifer	--	--	--	13	13
Oregon ash	--	--	72	397	470
Bitter cherry	--	--	--	25	25
Bitter cherry/conifer	--	--	10	27	37
Other hardwood types	--	--	93	148	241
Other hardwood types/conifer	--	--	47	118	165
Total, hardwood types	328	4,981	8,565	11,205	25,079
Nonstocked	--	3	66	75	144
Unclassified <sup>c</sup>	3,590	--	--	--	3,590
All types	59,714	35,483	47,187	26,277	168,660

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Includes hardwood trees 9.0 inches d.b.h. and larger in National Forests.

<sup>c</sup> Information on forest type is not available.

**Table 24E--Net volume of sawtimber on timberland by forest type and owner, eastern Washington, 1992<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Million board feet, Scribner rule</i>					
Softwood types:					
Douglas-fir	18,687	5,567	4,438	8,056	36,748
Ponderosa pine	3,111	1,745	1,629	7,225	13,711
Fir-spruce	3,294	952	1,735	1,931	7,912
Western hemlock <sup>b</sup>	9,293	--	138	52	9,483
Western larch	--	305	120	659	1,085
Lodgepole pine	1,125	467	135	1,679	3,407
Other softwood types	8	175	271	145	599
Total	35,518	9,212	8,466	19,748	72,944
Hardwood types	--	280	69	471	820
Nonstocked	3	12	--	79	94
All types	35,521	9,504	8,535	20,298	73,858

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

**Table 25--Net volume of timber on timberland outside National Forests by class of timber and species group, Washington, 1992<sup>a</sup>**

Class of timber	Softwoods	Hardwoods	All species
	<i>Million cubic feet</i>		
Growing-stock trees:			
Sawtimber trees--			
Saw-log portion	27,683	3,922	31,605
Upper stem portion	<u>1,009</u>	<u>489</u>	<u>1,499</u>
Total	28,692	4,411	33,103
Poletimber trees	3,178	1,754	4,932
Total, growing-stock trees	31,871	6,165	38,035
Cull trees:			
Sound cull	11	91	102
Rotten cull	<u>66</u>	<u>62</u>	<u>128</u>
Total, cull trees	77	153	230
All timber	31,948	6,318	38,266

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.



**Table 25W--Net volume of timber on timberland outside National Forests by class of timber and species group, western Washington, 1992 <sup>a</sup>**

Class of timber	Softwoods	Hardwoods	All species
	<i>Million cubic feet</i>		
Growing-stock trees:			
Sawtimber trees--			
Saw-log portion	20,116	3,768	23,884
Upper stem portion	690	470	1,161
Total	20,806	4,238	25,044
Poletimber trees	2,046	1,650	3,696
Total, growing-stock trees	22,852	5,889	28,741
Cull trees:			
Sound cull	8	73	82
Rotten cull	50	57	108
Total, cull trees	59	131	190
All timber	22,912	6,019	28,931

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

**Table 25E--Net volume of timber on timberland outside National Forests by class of timber and species group, eastern Washington, 1992<sup>a</sup>**

Class of timber	Softwoods	Hardwoods	All species
	<i>Million cubic feet</i>		
Growing-stock trees:			
Sawtimber trees--			
Saw-log portion	7,567	154	7,721
Upper-stem portion	<u>319</u>	<u>19</u>	<u>338</u>
Total	7,886	173	8,059
Poletimber trees	1,132	104	1,236
All growing-stock trees	9,018	277	9,294
Cull trees:			
Sound cull	3	18	20
Rotten cull	<u>16</u>	<u>5</u>	<u>20</u>
Total cull trees	18	22	40
All timber	9,036	299	9,335

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

**Table 26W--Area, net volume of growing stock, and net volume of sawtimber on timberland by stand age and owner, western Washington, 1992<sup>a</sup>**

Stand age	National Forest			Other public			Forest industry			Other private			All Owerships		
	Area	Growing stock volume	Sawtimber volume, Scribner rule <sup>b</sup>	Area	Growing stock volume	Sawtimber volume, Scribner rule	Area	Growing stock volume	Sawtimber volume, Scribner rule	Area	Growing stock volume	Sawtimber volume, Scribner rule	Area	Growing stock volume	Sawtimber volume, Scribner rule
	Thousand acres	Thousand cubic feet	Thousand board feet	Thousand acres	Thousand cubic feet	Thousand board feet	Thousand acres	Thousand cubic feet	Thousand board feet	Thousand acres	Thousand cubic feet	Thousand board feet	Thousand acres	Thousand cubic feet	Thousand board feet
Even-aged:															
0-9	102	37,526	198,665	113	14,590	39,974	490	23,085	69,845	121	21,513	72,993	827	96,714	381,477
10-19	109	16,694	86,724	234	67,416	107,743	768	252,034	380,601	150	54,186	100,473	1,260	390,330	675,540
20-29	92	21,286	40,917	70	139,093	299,408	386	767,771	1,516,397	42	63,480	100,616	590	991,630	1,957,338
30-39	107	192,321	324,452	126	548,784	1,434,871	331	1,492,065	4,410,189	57	199,843	542,872	621	2,433,012	6,712,385
40-49	73	204,871	561,203	171	1,003,654	3,567,618	407	2,687,986	9,411,255	124	577,528	2,081,209	776	4,474,039	15,621,285
50-59	97	621,020	841,728	261	1,933,408	7,742,949	289	2,297,450	9,649,931	175	1,014,730	3,827,315	822	5,866,608	22,061,924
60-69	87	555,374	2,439,299	170	1,665,755	7,324,220	162	1,418,720	6,148,614	96	682,408	2,865,598	515	4,322,257	18,777,731
70-79	65	501,951	2,317,185	53	553,883	2,569,625	35	360,084	1,726,834	58	374,102	1,615,653	211	1,790,020	8,229,297
80-89	54	380,596	1,870,957	33	312,710	1,371,154	11	158,369	800,091	29	167,963	645,074	127	1,019,639	4,687,276
90-99	33	272,024	1,328,456	3	49,715	247,574	12	130,723	619,278	11	137,133	706,022	60	589,595	2,901,330
100-109	36	282,894	1,247,887	--	--	--	12	109,256	551,798	3	13,026	54,388	51	405,176	1,854,073
110-119	35	323,008	1,390,604	7	41,656	186,735	3	16,196	31,194	--	--	--	46	380,860	1,608,533
120-129	37	309,676	1,591,186	7	100,099	494,665	7	78,890	362,683	--	--	--	51	488,664	2,448,535
130-139	11	85,759	460,082	--	--	--	--	--	--	3	34,134	177,455	14	119,893	637,537
140-149	30	234,100	1,255,899	3	64,856	382,843	--	--	--	--	--	--	33	298,956	1,638,742
150-159	14	116,479	567,991	--	--	--	--	--	--	--	--	--	14	116,479	567,991
160-169	4	32,450	174,085	--	--	--	--	--	--	--	--	--	4	32,450	174,085
170-179	14	107,796	568,977	3	45,294	225,900	--	--	--	--	--	--	17	153,090	794,877
180-189	14	105,847	567,849	--	--	--	--	--	--	--	--	--	14	105,847	567,849
190-199	31	238,557	1,275,566	--	--	--	--	--	--	--	--	--	31	238,557	1,275,566
200-299	131	1,160,016	5,581,017	9	102,743	490,662	--	--	--	3	15,991	36,367	143	1,278,750	6,108,046
300+	593	4,575,351	23,197,651	7	54,439	248,403	--	--	--	6	29,596	93,619	606	4,659,385	23,539,672
Uneven-aged:															
≤100	44	343,038	1,840,328	82	597,450	2,559,528	143	1,033,583	4,281,924	165	868,440	3,208,161	434	2,842,510	11,889,941
100+	241	1,861,212	9,985,020	62	650,955	2,998,323	36	247,916	1,054,558	41	265,330	994,507	380	3,025,413	15,032,408
No manageable stand <sup>c</sup>	--	--	--	246	865,466	3,190,426	639	1,765,827	6,171,929	893	2,569,650	9,154,473	1,778	5,200,943	18,516,829
Unclassified <sup>d</sup>	155	--	--	--	--	--	--	--	--	--	--	--	155	--	--
All ages	2,208	12,579,844	59,713,733	1,663	8,811,964	35,482,619	3,732	12,839,956	47,187,124	1,978	7,089,053	26,276,796	9,581	41,320,816	168,660,272

-- = none found or less than 500 acres, 500 cubic feet, or 500 board feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Includes hardwood trees 9.0 inches d.b.h. and larger in National Forests.

<sup>c</sup> Lacks 25 percent conifer stocking on 3/5ths of sample points.

<sup>d</sup> Stand age is not available.

**Table 26E--Area, net volume of growing stock, and net volume of sawtimber on timberland outside National Forests, by stand age and owner, eastern Washington, 1992<sup>a,b</sup>**

Stand age	Other public			Forest industry			Other private			All owners <sup>b</sup>		
	Area	Sawtimber		Area	Sawtimber		Area	Sawtimber		Area	Sawtimber	
		Growing stock volume	Scribner rule		Growing stock volume	Scribner rule		Growing stock volume	Scribner rule		Growing stock volume	Scribner rule
	Thousand acres	Thousand cubic feet	Thousand board feet	Thousand acres	Thousand cubic feet	Thousand board feet	Thousand acres	Thousand cubic feet	Thousand board feet	Thousand acres	Thousand cubic feet	Thousand board feet
Even-aged:												
0-9	--	--	--	76	11,597	33,697	62	21,282	90,611	138	32,879	124,307
10-19	9	3,790	14,708	30	8,134	31,474	69	29,680	117,836	108	41,605	164,018
20-29	26	19,157	66,275	6	6,430	3,043	28	13,309	43,902	60	38,896	113,221
30-39	15	23,133	37,696	9	16,481	64,567	23	25,500	62,922	46	65,114	165,186
40-49	20	40,173	130,768	35	75,898	217,938	111	182,347	555,018	166	298,418	903,724
50-59	48	87,061	260,663	53	76,674	300,177	218	444,927	1,442,765	318	608,662	2,003,605
60-69	62	180,617	504,484	108	276,724	926,643	158	373,361	1,208,262	328	830,702	2,639,388
70-79	10	16,997	81,085	57	180,184	752,663	183	480,817	1,871,890	250	677,998	2,705,638
80-89	81	322,393	1,356,623	7	27,973	143,164	153	428,539	1,514,789	242	778,905	3,014,576
90-99	38	169,655	725,610	25	104,865	392,032	83	227,452	986,972	146	501,972	2,104,614
100-109	--	--	--	--	--	--	19	68,786	296,741	19	68,786	296,741
110-119	14	51,337	123,284	--	--	--	--	--	--	14	51,337	123,284
120-129	--	--	--	--	--	--	9	5,355	11,690	9	5,355	11,690
130-139	--	--	--	6	31,475	171,433	7	11,960	54,623	12	43,435	226,066
140-149	--	--	--	--	--	--	--	--	--	--	--	--
150-159	--	--	--	--	--	--	--	--	--	--	--	--
160-169	--	--	--	8	43,108	215,814	7	42,898	213,565	15	86,006	429,379
170-179	6	26,437	122,594	6	12,330	63,827	--	--	--	12	38,767	186,421
180-189	--	--	--	--	--	--	6	10,698	48,769	6	10,698	48,769
190-199	--	--	--	--	--	--	--	--	--	--	--	--
200-299	6	18,654	82,996	--	--	--	7	16,560	77,562	13	35,214	160,558
300+	--	--	--	--	--	--	9	52,389	274,819	9	52,389	274,819
Uneven-aged:												
≤100	140	450,868	2,081,993	180	517,143	2,152,930	504	1,121,575	4,606,376	824	2,089,586	8,841,299
100+	132	638,932	3,178,416	103	504,788	2,548,007	258	924,009	4,470,933	492	2,067,728	10,197,357
No manageable stand <sup>c</sup>	158	173,747	737,262	170	138,365	517,127	455	557,880	2,347,588	784	869,992	3,601,978
All ages	764	2,222,950	9,504,455	878	2,032,170	8,534,546	2,366	5,039,323	20,297,635	4,008	9,294,443	38,336,636

-- = none found or less than 500 acres, 500 cubic feet, or 500 board feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Estimates by stand age are not available for National Forests in eastern Washington.

<sup>c</sup> Lacks 25 percent conifer stocking on 3/5ths of sample points.

**Table 27--Current net annual growth of growing stock on timberland by forest type and owner, Washington, 1991<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand cubic feet</i>					
Softwood types:					
Douglas-fir	127,582	164,687	258,548	149,090	699,906
Ponderosa pine	9,261	8,634	10,462	36,117	64,474
Fir-spruce	22,544	6,679	9,132	11,218	49,572
Hemlock-Sitka spruce <sup>b</sup>	54,544	78,254	214,965	24,787	372,548
Western larch	--	1,921	1,124	2,087	5,132
Lodgepole pine	3,383	3,321	1,298	8,273	16,274
Other softwood types	1,524	6,362	16,153	18,453	42,492
Total	218,838	269,850	511,691	250,004	1,250,400
Hardwood types	1,633	38,952	79,185	114,988	234,758
Nonstocked	49	244	362	1,223	1,878
Unclassified <sup>c</sup>	6,494	na	na	na	6,494
All types	227,014	309,052	591,229	366,236	1,493,528

-- = none found or less than 500,000 board feet.

na = not applicable.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>c</sup> Information on forest type is not available.

**Table 27W--Current net annual growth of growing stock on timberland by forest type and owner, western Washington, 1991<sup>a b</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand cubic feet</i>					
Softwood types:					
Douglas-fir--					
Douglas-fir	61,019	119,849	192,413	67,809	441,090
Douglas-fir/red alder	--	19,626	31,900	15,766	67,293
Douglas-fir/other hardwood	--	3,024	7,763	8,445	19,232
Total	61,019	142,500	232,076	92,020	527,615
Ponderosa pine	75	--	--	--	75
Fir-spruce--					
Grand fir	791	347	567	1,551	3,256
Noble fir	1,185	--	210	--	1,395
Noble fir/red alder	--	689	--	--	689
Pacific silver fir	10,926	5,289	3,090	530	19,835
Pacific silver fir/red alder	--	--	--	--	--
Subalpine fir	398	--	--	--	398
Engelmann spruce	110	--	--	--	110
Mountain hemlock	1,071	24	506	--	1,602
Total	14,481	6,350	4,374	2,080	27,285
Hemlock-Sitka spruce--					
Western hemlock	18,508	68,249	196,912	17,727	301,395
Western hemlock/red alder	--	8,637	13,533	4,147	26,317
Western hemlock/other hardwood	--	1,368	1,617	--	2,985
Sitka spruce	85	--	2,203	2,003	4,291
Sitka spruce/red alder	--	--	729	--	729
Total	18,593	78,254	214,994	23,877	335,717
Lodgepole pine	279	107	-83	919	1,221
Other softwood types--					
Western redcedar	828	3,967	9,343	11,005	25,144
Western redcedar/red alder	--	1,729	3,868	4,159	9,756
Western redcedar/other hardwood	--	--	828	1,743	2,571
Alaska-cedar	366	--	--	--	366
Western white pine	75	--	--	--	75
Unclassified softwood types <sup>c</sup>	1	--	--	--	1
Total	1,270	5,696	14,039	16,908	37,913
Total, softwood types	95,717	232,906	465,400	135,803	929,827
Hardwood types:					
Western hardwoods--					
Red alder	1,090	16,846	30,683	49,499	98,118
Red alder/conifer	--	15,862	34,670	22,990	73,522
Bigleaf maple	541	1,212	1,955	16,018	19,726
Bigleaf maple/conifer	--	1,071	6,719	7,656	15,446
Black cottonwood	--	2,146	1,957	3,736	7,839
Black cottonwood/conifer	--	--	--	1,015	1,015
Pacific madrone	--	--	--	735	735
Pacific madrone/conifer	--	--	--	698	698
Oregon white oak/conifer	--	--	--	172	172
Oregon ash	--	--	388	3,054	3,442
Bitter cherry	--	--	--	246	246
Bitter cherry/conifer	--	--	568	778	1,346
Other hardwood types	1	--	1,545	2,494	4,040
Other hardwood types/conifer	--	--	388	1,413	1,801
Total, hardwood types	1,633	37,138	78,872	110,503	228,146
Nonstocked	--	11	362	670	1,042
Unclassified <sup>c</sup>	6,494	--	--	--	6,494
All types	103,843	270,054	544,634	246,976	1,165,508

-- = none found or less than 500 cubic feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Negative net annual growth is the result of annual mortality exceeding gross annual growth.

<sup>c</sup> Information on forest type is not available.

**Table 27E--Current net annual growth of growing stock on timberland by forest type and owner, eastern Washington, 1991<sup>a b</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand cubic feet</i>					
Softwood types:					
Douglas-fir	66,563	22,187	26,472	57,070	172,291
Ponderosa pine	9,186	8,634	10,462	36,117	64,399
Fir-spruce	8,063	329	4,758	9,138	22,287
Western hemlock <sup>c</sup>	35,951	--	-29	910	36,831
Western larch	--	1,921	1,124	2,087	5,132
Lodgepole pine	3,104	3,214	1,381	7,354	15,053
Other softwood types	254	666	2,114	1,545	4,579
Total	123,121	36,950	46,281	114,221	320,573
Hardwood types	--	1,814	313	4,485	6,612
Nonstocked	49	233	--	553	836
All types	123,170	38,998	46,594	119,260	328,021

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Negative net annual growth is the result of annual mortality exceeding gross annual growth.

<sup>c</sup> Includes western redcedar type in National Forests in eastern Washington.

**Table 28--Current net annual growth of sawtimber on timberland outside National Forests by forest type and owner, Washington, 1991<sup>a b</sup>**

Forest type	Other public	Forest industry	Other private	All owners
<i>Thousand board feet, Scribner rule</i>				
Softwood types:				
Douglas-fir	857,410	1,196,848	736,584	2,790,842
Ponderosa pine	44,129	60,526	202,420	307,076
Fir-spruce	28,636	33,415	54,989	117,040
Hemlock-Sitka spruce	368,141	944,962	110,064	1,423,167
Western larch	10,524	7,224	10,201	27,949
Lodgepole pine	12,556	5,759	38,229	56,544
Other softwood types	31,770	71,010	79,086	181,867
Total	1,353,166	2,319,744	1,231,574	4,904,484
Hardwood types	239,871	427,259	565,879	1,233,010
Nonstocked	1,296	1,420	6,302	9,019
All types	1,594,334	2,748,423	1,803,756	6,146,512

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates for National Forests are not available.



**Table 28W--Current net annual growth of sawtimber on timberland by forest type and owner, western Washington, 1991<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand board feet, Scribner rule</i>					
Softwood types:					
Douglas-fir--					
Douglas-fir	298,324	625,478	854,836	344,711	2,123,350
Douglas-fir/red alder	--	94,127	174,756	69,349	338,232
Douglas-fir/other hardwood	--	14,836	32,492	41,499	88,828
Total	298,324	734,441	1,062,084	455,560	2,550,410
Ponderosa pine	389	--	--	--	389
Fir-spruce--					
Grand fir	4,103	1,250	1,711	8,044	15,108
Noble fir	6,146	--	98	--	6,244
Noble fir/Red alder	--	2,150	--	--	2,150
Pacific silver fir	62,578	17,023	4,251	2,291	86,143
Pacific silver fir/red alder	--	--	--	--	--
Subalpine fir	778	--	--	--	778
Engelmann spruce	570	--	--	--	570
Mountain hemlock	8,155	200	392	--	8,747
Total	82,331	20,622	6,452	10,335	119,739
Hemlock-Sitka spruce--					
Western hemlock	98,419	323,463	870,461	81,218	1,373,561
Western hemlock/red alder	--	39,321	58,168	17,126	114,615
Western hemlock/other hardwood	--	5,357	5,469	--	10,826
Sitka spruce	575	--	10,166	8,828	19,569
Sitka spruce/red alder	--	--	470	--	470
Total	98,994	368,141	944,735	107,172	1,519,042
Lodgepole pine	944	145	54	2,891	4,033
Other softwood types--					
Western redcedar	5,804	18,739	39,527	46,070	110,140
Western redcedar/red alder	--	10,297	20,197	18,600	49,094
Western redcedar/other hardwood	--	--	3,642	7,914	11,557
Alaska-cedar	1,234	--	--	--	1,234
Western white pine	389	--	--	--	389
Unclassified softwood types <sup>b</sup>	--	--	--	--	--
Total	7,427	29,036	63,366	72,584	172,413
Total, softwood types	488,409	1,152,385	2,076,690	648,541	4,366,026
Hardwood types:					
Western hardwoods--					
Red alder	3,351	114,066	195,030	222,569	535,016
Red alder/conifer	--	89,358	169,430	112,095	370,883
Bigleaf maple	2,053	12,522	10,087	102,726	127,388
Bigleaf maple/conifer	--	4,512	29,312	38,755	72,579
Black cottonwood	--	9,315	9,773	21,411	40,498
Black cottonwood/conifer	--	--	--	2,108	2,108
Pacific madrone	--	--	--	4,841	4,841
Pacific madrone/conifer	--	--	--	3,422	3,422
Oregon white oak/conifer	--	--	--	604	604
Oregon ash	--	--	1,331	12,625	13,956
Bitter cherry	--	--	--	984	984
Bitter cherry/conifer	--	--	1,304	2,975	4,279
Other hardwood types	--	--	7,250	9,772	17,021
Other hardwood types/conifer	--	--	2,210	6,278	8,488
Total, hardwood types	5,405	229,774	425,727	541,163	1,202,068
Nonstocked <sup>b</sup>	--	74	1,420	3,240	4,735
Unclassified <sup>b</sup>	30,930	--	--	--	30,930
All types	524,744	1,382,234	2,503,837	1,192,945	5,603,759

-- = none found or less than 500 board feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Information on forest type is not available

**Table 28E--Current net annual growth of sawtimber on timberland outside National Forests by forest type and owner, eastern Washington, 1991<sup>a b</sup>**

Forest type	Other public	Forest industry	Other private	All owners
<i>Thousand board feet, Scribner rule</i>				
Softwood types:				
Douglas-fir	122,969	134,764	281,024	538,757
Ponderosa pine	44,129	60,526	202,420	307,076
Fir-spruce	8,014	26,963	44,654	79,631
Western hemlock <sup>c</sup>	--	227	2,892	3,119
Western larch	10,524	7,224	10,201	27,949
Lodgepole pine	12,411	5,705	35,338	53,454
Other softwood types	2,734	7,644	6,502	16,881
Total	200,781	243,053	583,031	1,026,866
Hardwood types	10,097	1,532	24,716	36,346
Nonstocked	1,222	--	3,062	4,285
All types	212,101	244,585	610,811	1,067,496

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates for National Forests are not available.

<sup>c</sup> Includes western redcedar type in National Forests in eastern Washington.

**Table 29--Average annual mortality of growing stock on timberland by forest type and owner, Washington, 1991<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand cubic feet</i>					
Softwood types:					
Douglas-fir	29,729	35,291	36,420	29,318	130,758
Ponderosa pine	21,294	3,192	2,832	12,938	40,257
Fir-spruce	14,506	5,201	5,192	5,806	30,706
Hemlock-Sitka spruce <sup>b</sup>	21,637	19,439	34,257	5,284	80,616
Western larch	--	1,120	724	1,551	3,395
Lodgepole pine	916	2,814	1,175	8,073	12,978
Other softwood types	564	1,633	3,117	2,691	8,005
Total	88,646	68,691	83,718	65,662	306,716
Hardwood types	296	13,081	24,754	27,433	65,564
Nonstocked	--	13	167	179	359
Unclassified <sup>c</sup>	983	na	na	na	983
All types	89,926	81,784	108,639	93,274	373,622

-- = none found or less than 500,000 board feet.

na = not applicable.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

<sup>c</sup> Information on forest type is not available.

**Table 29W--Average annual mortality of growing stock on timberland by forest type and owner, western Washington, 1991<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand cubic feet</i>					
Softwood types:					
Douglas-fir--					
Douglas-fir	12,282	22,978	22,580	13,704	71,544
Douglas-fir/red alder	--	4,528	6,388	2,590	13,505
Douglas-fir/other hardwood	--	598	1,557	1,258	3,413
Total	12,282	28,104	30,524	17,552	88,462
Ponderosa pine	10	--	--	--	10
Fir-spruce--					
Grand fir	124	61	17	242	444
Noble fir	186	--	6	--	192
Noble fir/red alder	--	12	--	--	12
Pacific silver fir	11,632	976	220	31	12,859
Pacific silver fir/red alder	--	--	--	--	--
Subalpine fir	310	--	--	--	310
Engelmann spruce	18	--	--	--	18
Mountain hemlock	532	75	30	--	637
Total	12,801	1,124	273	273	14,472
Hemlock-Sitka spruce--					
Western hemlock	13,517	17,152	30,220	3,874	64,763
Western hemlock/red alder	--	1,879	2,797	666	5,342
Western hemlock/other hardwood	--	408	177	--	585
Sitka spruce	--	--	448	513	961
Sitka spruce/red alder	--	--	37	--	37
Total	13,517	19,439	33,679	5,053	71,688
Lodgepole pine	38	3	311	497	849
Other softwood types--					
Western redcedar	454	632	1,547	1,485	4,118
Western redcedar/red alder	--	377	576	546	1,499
Western redcedar/other hardwood	--	--	96	233	328
Alaska-cedar	66	--	--	--	66
Western white pine	10	--	--	--	10
Unclassified softwood types <sup>b</sup>	--	--	--	--	--
Total	531	1,009	2,218	2,264	6,022
Total, softwood types	39,179	49,680	67,005	25,640	181,503
Hardwood types:					
Western hardwoods--					
Red alder	210	6,215	12,146	12,173	30,745
Red alder/conifer	--	4,910	9,381	4,512	18,802
Bigleaf maple	86	585	582	4,345	5,597
Bigleaf maple/conifer	--	296	1,421	1,823	3,540
Black cottonwood	--	474	442	633	1,549
Black cottonwood/conifer	--	--	--	135	135
Pacific madrone	--	--	--	304	304
Pacific madrone/conifer	--	--	--	94	94
Oregon white oak/conifer	--	--	--	19	19
Oregon ash	--	--	248	771	1,019
Bitter cherry	--	--	--	44	44
Bitter cherry/conifer	--	--	24	99	123
Other hardwood types	--	--	353	486	839
Other hardwood types/conifer	--	--	42	285	327
Total, hardwood types	296	12,479	24,639	25,722	63,137
Nonstocked <sup>b</sup>	--	5	167	85	257
Unclassified <sup>b</sup>	983	--	--	--	983
All types	40,458	62,164	91,811	51,447	245,880

-- = none found or less than 500 cubic feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Information on forest type is not available.

**Table 29E--Average annual mortality of growing stock on timberland by forest type and owner, eastern Washington, 1991<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand cubic feet</i>					
Softwood types:					
Douglas-fir	17,447	7,187	5,896	11,766	42,296
Ponderosa pine	21,284	3,192	2,832	12,938	40,247
Fir-spruce	1,705	4,077	4,919	5,533	14,234
Western hemlock <sup>b</sup>	8,120	--	578	231	8,928
Western larch	--	1,120	724	1,551	3,395
Lodgepole pine	878	2,811	864	7,576	12,129
Other softwood types	33	624	899	427	1,983
Total	49,467	19,011	16,713	40,022	125,212
Hardwood types	--	602	115	1,711	2,427
Nonstocked	--	8	--	94	102
All types	49,467	19,620	16,828	41,827	127,743

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes western redcedar type in National Forests in eastern Washington.

**Table 30--Average annual mortality of sawtimber on timberland outside National Forests by forest type and owner, Washington, 1991<sup>a b</sup>**

Forest type	Other public	Forest industry	Other private	All owners
<i>Thousand board feet, Scribner rule</i>				
Softwood types:				
Douglas-fir	118,318	115,629	92,625	326,572
Ponderosa pine	13,367	11,684	54,675	79,726
Fir-spruce	21,976	22,833	23,642	68,451
Hemlock-Sitka spruce <sup>c</sup>	64,640	97,029	16,128	177,797
Western larch	2,985	1,430	6,400	10,814
Lodgepole pine	6,556	2,644	23,557	32,757
Other softwood types	5,304	9,195	8,218	22,717
Total	233,146	260,443	225,245	718,834
Hardwood types	39,486	64,258	72,322	176,065
Nonstocked	55	585	704	1,343
All types	272,686	325,286	298,270	896,243

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates for National Forests are not available.

<sup>c</sup> Includes western redcedar type in National Forests in eastern Washington.

**Table 30W--Average annual mortality of sawtimber on timberland by forest type and owner, western Washington, 1991<sup>a</sup>**

Forest type	National Forest	Other public	Forest industry	Other private	All owners
<i>Thousand board feet, Scribner rule</i>					
Softwood types:					
Douglas-fir--					
Douglas-fir	48,890	72,216	68,754	39,170	229,031
Douglas-fir/red alder	--	14,525	19,139	6,450	40,114
Douglas-fir/other hardwood	--	1,771	4,017	2,937	8,725
Total	48,890	88,512	91,910	48,556	277,869
Ponderosa pine	46	--	--	--	46
Fir-spruce--					
Grand fir	574	202	39	786	1,601
Noble fir	862	--	2	--	864
Noble fir/red alder	--	26	--	--	26
Pacific silver fir	57,561	3,595	358	58	61,573
Pacific silver fir/red alder	--	--	--	--	--
Subalpine fir	889	--	--	--	889
Engelmann spruce	80	--	--	--	80
Mountain hemlock	2,012	280	110	--	2,401
Total	61,978	4,102	510	844	67,434
Hemlock-Sitka spruce--					
Western hemlock	68,505	57,719	85,531	12,287	224,042
Western hemlock/red alder	--	6,103	7,532	1,920	15,555
Western hemlock/other hardwood	--	818	185	--	1,003
Sitka spruce	--	--	1,211	1,579	2,790
Sitka spruce/red alder	--	--	16	--	16
Total	68,505	64,640	94,476	15,785	243,406
Lodgepole pine	113	3	788	1,206	2,109
Other softwood types--					
Western redcedar	1,653	2,009	3,827	4,080	11,569
Western redcedar/red alder	--	1,108	2,337	1,680	5,126
Western redcedar/other hardwood	--	--	389	830	1,219
Alaska-cedar	289	--	--	--	289
Western white pine	46	--	--	--	46
Unclassified softwood types <sup>b</sup>	--	--	--	--	--
Total	1,988	3,117	6,554	6,591	18,249
Total, softwood types	181,521	160,373	194,238	72,982	609,114
Hardwood types:					
Western hardwoods--					
Red alder	778	15,874	33,840	30,360	80,852
Red alder/conifer	--	16,767	22,834	12,196	51,797
Bigleaf maple	219	2,065	1,752	13,399	17,435
Bigleaf maple/conifer	--	720	3,375	4,897	8,992
Black cottonwood	--	1,367	910	2,641	4,918
Black cottonwood/conifer	--	--	--	34	34
Pacific madrone	--	--	--	701	701
Pacific madrone/conifer	--	--	--	310	310
Oregon white oak/conifer	--	--	--	44	44
Oregon ash	--	--	451	2,244	2,696
Bitter cherry	--	--	--	119	119
Bitter cherry/conifer	--	--	12	59	70
Other hardwood types	--	--	438	787	1,225
Other hardwood types/conifer	--	--	189	921	1,110
Total, hardwood types	997	36,793	63,801	68,713	170,303
Nonstocked <sup>b</sup>	--	21	585	302	908
Unclassified <sup>b</sup>	4,620	--	--	--	4,620
All types	187,137	197,187	258,623	141,997	784,945

-- = none found or less than 500 board feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Information on forest type is not available.

**Table 30E--Average annual mortality of sawtimber on timberland outside National Forests by forest type and owner, eastern Washington, 1991<sup>a b</sup>**

Forest type	Other public	Forest industry	Other private	All owners
<i>Thousand board feet, Scribner rule</i>				
Softwood types:				
Douglas-fir	29,806	23,719	44,069	97,594
Ponderosa pine	13,367	11,684	54,675	79,726
Fir-spruce	17,874	22,323	22,798	62,995
Western hemlock <sup>c</sup>	--	2,553	343	2,896
Western larch	2,985	1,430	6,400	10,814
Lodgepole pine	6,553	1,856	22,351	30,760
Other softwood types	<u>2,187</u>	<u>2,641</u>	<u>1,627</u>	<u>6,455</u>
Total	72,772	66,205	152,263	291,240
Hardwood types	2,693	457	3,609	6,758
Nonstocked	34	--	402	435
All types	75,498	66,665	156,273	298,434

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates for National Forests are not available.

<sup>c</sup> Includes western redcedar type in National Forests in eastern Washington.



**Table 31W--Current net annual growth, average annual mortality, and average annual removals of growing stock on timberland by species and owner, western Washington, 1991<sup>a</sup>**

Species	National Forest <sup>b</sup>		Other public			Forest industry			Other private			All owners <sup>c</sup>	
	Current net annual growth	Average annual mortality	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality
<i>Thousand cubic feet<sup>d</sup></i>													
Softwoods:													
Pacific silver fir	13,636	11,184	8,737	1,570	10,014	13,070	1,284	29,071	858	148	2,870	36,301	14,186
Grand fir	1,493	96	1,689	189	--	4,269	363	742	4,583	727	1,152	12,034	1,375
Noble fir	1,316	120	--	--	--	--	--	--	--	--	--	1,316	120
Subalpine fir	519	371	--	--	--	--	--	--	--	--	--	519	371
Alaska-cedar	572	143	4	30	2,418	72	9	240	24	3	--	672	185
Western larch	14	--	--	--	--	--	--	--	--	--	--	14	--
Engelmann spruce	495	465	--	--	--	229	44	--	--	--	--	723	509
Sitka spruce	273	129	3,819	849	781	11,761	1,777	31,182	3,834	783	876	19,686	3,538
Lodgepole pine	186	99	107	8	--	143	319	--	746	675	80	1,182	1,101
Western white pine	-93	529	8	246	--	-3	173	--	-81	784	--	-169	1,733
Ponderosa pine	61	209	--	--	--	--	--	--	--	--	--	61	209
Douglas-fir	51,095	12,290	131,761	21,813	48,253	221,691	23,333	214,336	95,131	14,442	73,508	499,678	71,878
Western redcedar	5,855	1,850	13,336	1,086	11,836	25,752	1,679	25,639	30,599	1,132	9,946	75,542	5,747
Western hemlock	23,578	11,992	76,969	20,247	67,478	202,503	33,799	304,648	29,998	6,207	61,734	333,048	72,245
Mountain hemlock	1,774	361	46	48	257	200	24	18,067	--	--	--	2,020	433
Other softwoods	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	100,772	39,839	236,476	46,086	141,038	479,685	62,803	623,924	165,692	24,902	150,167	982,626	173,630
Hardwoods:													
Bigleaf maple	645	52	5,318	2,058	2,330	8,670	3,211	11,113	19,367	5,583	5,811	34,000	10,904
Red alder	2,221	496	25,484	12,826	9,366	48,812	23,607	88,700	48,614	17,327	47,529	125,131	54,257
Pacific madrone	23	1	208	195	--	--	--	117	1,074	725	163	1,305	921
Western paper birch	--	--	63	152	200	652	438	--	1,233	461	--	1,947	1,051
Oregon ash	--	--	70	25	--	394	224	681	2,143	794	223	2,607	1,042
Quaking aspen	--	--	--	--	--	--	--	--	169	43	--	169	43
Black cottonwood	184	69	2,187	521	421	5,484	1,221	307	7,513	1,177	442	15,368	2,989
Cherry	--	--	241	289	252	924	304	1,115	859	326	827	2,024	918
Oregon white oak	--	--	7	12	--	13	4	--	312	110	--	332	126
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	3,073	619	33,578	16,078	12,569	64,949	29,009	102,035	81,284	26,545	54,996	182,884	72,251
All species	103,843	40,458	270,054	62,164	153,607	544,634	91,811	725,959	246,976	51,447	205,163	1,165,508	245,880

-- = none found or less than 500 cubic feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Removals not available for National Forest data.

<sup>c</sup> Removals not available for all owners.

<sup>d</sup> Negative net annual growth is the result of annual mortality exceeding gross annual growth.

**Table 31E--Current net annual growth, average annual mortality, and average annual removals of growing stock on timberland outside National Forests by species and owner, eastern Washington, 1991<sup>a,b</sup>**

Species	Other public			Forest industry			Other private			All owners <sup>b</sup>		
	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality	Average annual removals
<i>Thousand cubic feet<sup>c</sup></i>												
Softwoods:												
Pacific silver fir	553	157	--	9	485	413	241	198	--	803	839	413
Grand fir	2,865	1,909	2,759	5,816	4,326	6,346	9,045	5,706	11,312	17,727	11,941	20,417
Subalpine fir	598	559	--	44	623	3,985	419	415	--	1,061	1,597	3,985
Noble fir	--	--	--	--	--	245	--	--	--	--	--	245
Western larch	1,253	1,803	374	1,246	1,405	7,566	4,287	3,526	2,487	6,786	6,735	10,427
Engelmann spruce	-24	3,494	902	-268	741	1,142	232	1,183	--	-61	5,418	2,044
Lodgepole pine	2,422	3,267	319	714	1,125	3,183	4,979	8,212	2,850	8,114	12,604	6,352
Western white pine	302	143	--	-119	327	241	252	203	--	435	673	241
Ponderosa pine	6,660	3,311	8,053	7,305	3,217	11,532	33,865	13,291	27,531	47,830	19,819	47,115
Douglas-fir	21,629	3,721	7,723	29,161	3,374	26,316	58,118	6,596	23,497	108,909	13,691	57,536
Western redcedar	1,848	562	--	1,996	575	2,368	2,561	423	--	6,405	1,560	2,326
Western hemlock	8	134	--	192	425	2,626	386	209	--	586	768	2,626
Mountain hemlock	--	--	--	--	--	--	19	39	--	19	39	--
Other softwoods	-35	38	--	--	--	--	--	--	--	-35	38	--
Total	38,080	29,099	20,130	46,096	16,623	65,964	114,404	40,001	67,676	198,579	75,722	153,769
Hardwoods:												
Bigleaf maple	22	52	--	--	--	--	--	--	--	22	52	--
Red alder	62	52	--	30	29	--	--	--	--	92	81	--
Western paper birch	150	54	135	164	49	--	521	154	85	835	257	220
Quaking aspen	309	170	--	163	90	--	1,268	549	--	1,740	808	--
Black cottonwood	263	175	--	--	--	--	2,799	1,037	330	3,062	1,212	330
Cherry	100	13	--	--	--	--	82	12	--	183	25	--
Oregon white oak	12	7	122	141	38	--	185	73	--	338	118	122
Total	918	521	257	498	206	--	4,856	1,826	415	6,272	2,553	672
All species	38,998	19,620	20,387	46,594	16,828	65,964	119,260	41,827	68,091	204,851	78,275	154,441

-- = none found or less than 500 board feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Estimates are not available for National Forests in eastern Washington.

<sup>c</sup> Negative net annual growth is the result of annual mortality exceeding gross annual growth.

**Table 32W--Current net annual growth, average annual mortality, and average annual removals of sawtimber on timberland by species and owner, western Washington, 1991<sup>a</sup>**

Species	National Forest <sup>b</sup>		Other public			Forest industry			Other private			All owners <sup>c</sup>	
	Current net annual growth	Average annual mortality	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality
<i>Thousand board feet, Scribner rule<sup>d</sup></i>													
Softwoods:													
Alaska-cedar	1,976	415	60	106	8,718	394	33	1,028	130	12	--	2,560	566
Douglas-fir	266,693	49,564	699,821	74,108	244,270	1,012,737	74,566	1,016,528	474,378	41,926	311,717	2,453,629	240,163
Grand fir	7,581	412	7,973	690	--	19,034	1,120	3,397	26,950	2,310	3,140	61,538	4,532
Noble fir	5,833	646	--	--	--	--	--	--	--	--	--	5,833	646
Pacific silver fir	75,105	56,359	34,386	5,947	50,218	46,664	3,652	140,897	4,667	565	13,966	160,822	66,523
Subalpine fir	876	1,125	--	--	--	--	--	--	--	--	--	876	1,125
Mountain hemlock	10,661	1,080	221	182	1,080	216	106	98,258	--	--	--	11,098	1,368
Western hemlock	115,184	60,348	365,867	65,792	316,097	924,689	95,473	1,423,489	139,530	18,167	264,414	1,545,270	239,781
Western larch	76	--	--	--	--	--	--	--	--	--	--	76	--
Lodgepole pine	753	147	219	19	--	631	857	--	2,636	1,496	--	4,239	2,519
Ponderosa pine	356	1,036	--	--	--	--	--	--	--	--	--	356	1,036
Western white pine	-623	2,501	273	696	--	-190	638	--	-253	2,276	--	-794	6,110
Western redcedar	29,878	8,107	54,693	2,363	45,828	103,682	3,321	86,023	126,773	2,816	30,634	315,026	16,606
Engelmann spruce	2,414	2,441	--	--	--	1,080	207	--	--	--	--	3,494	2,648
Sitka spruce	1,132	999	17,899	3,472	3,980	52,480	6,039	159,664	20,811	3,307	3,512	92,321	13,818
Pacific yew	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	517,894	185,179	1,181,411	153,376	670,192	2,161,415	186,012	2,929,282	795,623	72,875	627,383	4,656,343	597,442
Hardwoods:													
Red alder	3,831	1,536	157,374	35,512	30,109	264,442	58,527	332,693	218,133	39,570	145,655	643,780	135,144
Oregon ash	--	--	489	114	--	963	210	1,722	8,412	2,399	659	9,864	2,723
Quaking aspen	--	--	--	--	--	--	--	--	273	41	--	273	41
Western paper birch	--	--	275	68	838	1,218	262	--	3,898	721	--	5,391	1,051
Bitter cherry	--	--	22	10	--	331	46	424	2,619	280	2,748	2,972	335
Black cottonwood	972	376	12,298	2,083	2,418	37,250	5,610	1,898	44,378	5,757	--	94,898	13,826
Pacific dogwood	--	--	--	--	--	--	--	--	--	--	--	--	--
Pacific madrone	35	1	518	253	--	--	--	549	9,365	1,866	841	9,918	2,120
Bigleaf maple	2,011	45	29,848	5,773	11,403	38,146	7,941	40,410	109,632	18,346	22,845	179,637	32,105
Oregon white oak	--	--	--	--	--	71	16	--	611	142	--	683	158
Willow	--	--	--	--	--	--	--	--	--	--	--	--	--
Other trees	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	6,850	1,958	200,823	43,812	44,768	342,422	72,611	377,695	397,322	69,122	172,749	947,416	187,503
All species	524,744	187,137	1,382,234	197,187	714,959	2,503,837	258,623	3,306,977	1,192,945	141,997	800,132	5,603,759	784,945

-- = none found or less than 500 board feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Removals not available for National Forests.

<sup>c</sup> Removals not available for all owners.

<sup>d</sup> Negative net annual growth is the result of annual mortality exceeding gross annual growth.

**Table 32E--Current net annual growth, average annual mortality, and average annual removals of sawtimber on timberland outside National Forests by species and owner, eastern Washington, 1991<sup>a</sup>**

Species	Other public			Forest industry			Other private			All owners		
	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality	Average annual removals	Current net annual growth	Average annual mortality	Average annual removals
<i>Thousand board feet, Scribner rule<sup>b</sup></i>												
Softwoods:												
Pacific silver fir	3,518	316	--	114	2,451	2,175	1,272	825	--	4,905	3,592	2,175
Grand fir	15,288	7,871	12,210	24,685	16,006	25,158	50,062	25,261	61,090	90,039	49,138	98,459
Subalpine fir	6,788	1,994	--	409	2,489	15,775	1,674	1,083	--	8,871	5,566	15,775
Noble fir	--	--	--	--	--	1,417	--	--	--	--	--	1,417
Western larch	5,046	6,602	1,589	7,038	5,214	36,717	22,485	14,302	11,442	34,569	26,118	49,748
Engelmann spruce	1,286	15,641	3,975	-1,112	4,052	6,044	1,418	5,115	--	1,592	24,808	10,019
Lodgepole pine	8,677	7,182	1,296	7,134	3,195	13,338	34,324	22,115	6,394	50,135	32,492	21,028
Western white pine	6,518	590	--	-245	1,450	1,202	1,327	912	--	7,600	2,952	1,202
Ponderosa pine	37,336	14,960	44,439	43,614	14,047	57,567	186,365	57,778	140,726	267,315	86,786	242,733
Douglas-fir	115,084	15,701	38,797	153,306	13,649	119,328	281,687	23,307	111,192	550,077	52,657	269,317
Western redcedar	9,038	2,184	--	7,765	2,137	9,098	6,020	1,308	--	22,824	5,629	9,098
Western hemlock	214	562	--	1,129	1,503	11,583	274	393	--	1,617	2,459	11,583
Mountain hemlock	--	--	--	--	--	--	138	147	--	138	147	--
Other softwoods	-187	209	--	--	--	--	--	--	--	-187	209	--
Total	208,606	73,813	102,307	243,837	66,194	299,402	587,051	152,545	330,844	1,039,494	292,553	732,554
Hardwoods:												
Bigleaf maple	29	36	--	--	--	--	--	--	--	29	36	--
Red alder	168	164	--	213	136	--	--	--	--	381	300	--
Western paper birch	191	93	426	27	22	--	348	140	--	566	255	426
Quaking aspen	1,334	536	--	485	286	--	14,944	1,231	--	16,763	2,053	--
Black cottonwood	1,773	856	--	--	--	--	8,388	2,295	776	10,161	3,151	776
Oregon white oak	--	--	518	23	28	--	79	62	--	102	90	518
Other hardwoods	--	--	--	--	--	--	--	--	--	--	--	--
Total	3,495	1,685	944	747	471	--	23,759	3,728	776	28,001	5,885	1,719
All species	212,101	75,498	103,251	244,584	66,665	299,402	610,811	156,273	331,620	1,067,496	298,434	734,273

-- = none found or less than 500 board feet.

<sup>a</sup> Totals may be off because of rounding, data subject to sampling error.

<sup>b</sup> Negative net annual growth is the result of annual mortality exceeding gross annual growth.

**Table 33--Changes in timberland area outside National Forests by owner, Washington, 1978-80 to 1988-91<sup>a b</sup>**

Description	Other public	Forest industry	Other private	All owners
	<i>Thousand acres<sup>c</sup></i>			
Timberland area in 1978-80	2,416	4,982	4,540	11,939
Area change due to:				
Changes in land class--				
Timberland to rights-of-way <sup>d</sup>	-12	-95	-48	-155
Timberland to urban	--	-7	-82	-89
Timberland to agricultural	--	--	-53	-53
Agricultural to timberland	--	--	12	12
Christmas tree farm to timberland	--	6	--	6
Net change	-12	-96	-171	-279
Changes in inventory area--				
To National Forest	-11	-164	--	-175
From National Forest	3	38	17	58
To reserved timberland	-5	--	-87	-92
Net change	-13	-126	-70	-209
Changes in ownership--				
From other public	-134	134	--	--
From forest industry	166	-325	159	--
From other private	11	63	-74	--
Net change	43	-128	85	--
Timberland area in 1988-91	2,433	4,633	4,386	11,452

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Negative values are losses of timberland and positive values are gains of timberland. Losses are shown by the 1978-80 owner and gains are shown by the 1988-91 owner.

<sup>d</sup> Includes constructed roads, powerline and pipeline clearings, and operating railroad rights-of-way.

**Table 33W--Changes in timberland area outside National Forests by owner, western Washington, 1978-79 to 1988-89<sup>a b</sup>**

Description	Other public	Forest industry	Other private	All owners
	<i>Thousand acres<sup>c</sup></i>			
Timberland area in 1978-79	1,636	4,012	2,037	7,685
Area change due to:				
Changes in land class--				
Timberland to rights-of-way <sup>d</sup>	--	-75	-48	-123
Timberland to urban	--	-7	-56	-63
Timberland to agricultural	--	--	-38	-38
Agricultural to timberland	--	--	12	12
Christmas tree farm to timberland	--	6	--	6
Net change	--	-75	-130	-205
Changes in inventory area--				
To National Forest	--	-90	--	-90
From National Forest	3	38	17	58
To reserved timberland	-5	--	--	-5
Net change	-2	-52	17	-37
Changes in ownership--				
From other public	-111	111	--	--
From forest industry	146	-285	139	--
From other private	--	44	-44	--
Net change	35	-130	95	--
Timberland area in 1988-89	1,669	3,755	2,020	7,443

= none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Negative values are losses of timberland and positive values are gains of timberland. Losses are shown by the 1978-79 owner and gains are shown by the 1988-89 owner.

<sup>d</sup> Includes constructed roads, powerline and pipeline clearings, and operating railroad rights-of-way.

**Table 33E--Changes in timberland area outside National Forests by owner, eastern Washington, 1980 to 1990-91<sup>a b</sup>**

Description	Other public	Forest industry	Other private	All owners
	<i>Thousand acres<sup>c</sup></i>			
Timberland area in 1980	780	970	2,503	4,254
Area change due to:				
Changes in land class--				
Timberland to rights-of-way <sup>d</sup>	-12	-20	--	-33
Timberland to urban	--	--	-26	-26
Timberland to agricultural	--	--	-15	-15
Agricultural to timberland	--	--	--	--
Christmas tree farm to timberland	--	--	--	--
Net change	-12	-20	-41	-74
Changes in inventory area--				
To National Forest	-11	-74	--	-85
From National Forest	--	--	--	--
To reserved timberland	--	--	-87	-87
Net change	-11	-74	-87	-172
Changes in ownership--				
From other public	-23	23	--	--
From forest industry	20	-40	20	--
From other private	11	19	-30	--
Net change	7	2	-9	--
Timberland area in 1990-91	764	878	2,366	4,008

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Negative values are losses of timberland and positive values are gains of timberland. Losses are shown by the 1980 owner and gains are shown by the 1990-91 owner.

<sup>d</sup> Includes constructed roads, powerline and pipeline clearings, and operating railroad rights-of-way.

**Table 34--Changes in timberland area outside National Forests by forest type and owner, Washington, 1978-80 to 1988-91<sup>a b c</sup>**

Forest type	Other public	Forest industry	Other private	All owners
<i>Thousand acres</i>				
Softwood types:				
Douglas-fir	-25	276	81	333
Ponderosa pine	15	-13	-46	-43
Fir-spruce	13	-28	-51	-65
Hemlock-Sitka spruce	12	-220	-2	-211
Western larch	7	-58	-15	-66
Lodgepole pine	-5	-39	-31	-74
Other softwood types	5	-10	27	-23
Total	24	-91	-35	-102
Hardwood types	9	-238	-118	-346
Nonstocked	-16	-21	-2	-40
All types	17	-350	-155	-488

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Includes change in ownership and reserved status as well as real change in forest types.



**Table 34W--Changes in timberland area outside National Forests by forest type and owner, western Washington, 1978-79 to 1988-89<sup>a b c</sup>**

Forest type	Other public	Forest industry	Other private	All owners
	<i>Thousand acres</i>			
Softwood types:				
Douglas-fir	7	226	41	274
Fir-spruce	22	2	--	24
Hemlock-Sitka spruce	12	-226	-9	-223
Lodgepole pine	--	--	7	7
Other softwood types	10	-16	32	27
Total	51	-14	72	109
Hardwood types	-2	-231	-109	-342
Nonstocked	-16	-13	20	-9
All types	33	-258	-17	-242

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Includes change in ownership and reserved status as well as real change in forest types.

**Table 34E--Changes in timberland area outside National Forests by forest type and owner, eastern Washington, 1980 to 1990-91<sup>a b c</sup>**

Forest type	Other public	Forest industry	Other private	All owners
<i>Thousand acres</i>				
Softwood types:				
Douglas-fir	-31	51	40	59
Ponderosa pine	15	-13	-46	-43
Fir-spruce	-9	-30	-51	-89
Western hemlock	--	6	7	12
Western larch	7	-58	-15	-66
Lodgepole pine	-5	-39	-38	-81
Other softwood types	-5	6	-5	-3
Total	-27	-78	-107	-211
Hardwood types	11	-6	-9	-4
Nonstocked	--	-9	-22	-30
All types	-16	-92	-138	-246

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Includes change in ownership and reserved status as well as real change in forest types.

**Table 35--Changes in timberland area outside National Forests by stand-size class and owner, Washington, 1978-80 to 1991<sup>a b c</sup>**

Stand-size	Other public	Forest industry	Other private	All owners
<i>Thousand acres</i>				
Sawtimber 98	-398	228	-72	
Poletimber -185	-292	-609	-1,086	
Seedling-sapling	120	362	228	709
Nonstocked	-16	-21	-2	-40
All classes	17	-350	-155	-488

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Includes change in ownership and reserved status as well as real change in stand-sizes.

**Table 35W--Changes in timberland area outside National Forests by stand-size class and owner, western Washington, 1978-79 to 1988-89<sup>a b c</sup>**

Stand-size	Other public	Forest industry	Other private	All owners
<i>Thousand acres</i>				
Sawtimber	56	-302	117	-129
Poletimber	-153	-195	-331	-679
Seedling-sapling	146	251	177	575
Nonstocked	-16	-13	20	-9
All classes	33	-258	-17	-243

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Includes change in ownership and reserved status as well as real change in stand-sizes.

**Table 35E--Changes in timberland area outside National Forests by stand-size class and owner, eastern Washington, 1980 to 1990-91<sup>a b c</sup>**

Stand-size	Other public	Forest industry	Other private	All owners
<i>Thousand acres</i>				
Sawtimber	42	-97	111	57
Poletimber	-32	-97	-277	-407
Seedling-sapling	-26	110	51	134
Nonstocked	--	-9	-22	-30
All classes	-16	-92	-138	-246

-- = none found or less than 500 acres.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Includes change in ownership and reserved status as well as real change in stand-sizes.

**Table 36--Changes in volume of growing stock on timberland outside National Forests by species group and owner, Washington, 1978-80 to 1988-91<sup>a b</sup>**

Description	Other public	Forest industry	Other private	All owners
<i>Million cubic feet<sup>c</sup></i>				
<b>Softwoods:</b>				
Total volume in 1978-80	8,755	15,594	8,607	32,956
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	-26	-506	-332	-864
Nonforest to timberland	--	--	33	33
Net change	-26	-506	-299	-831
Changes in inventory area--				
To National Forest	-53	-432	--	-485
From National Forest	27	36	84	147
To reserved timberland	-18	--	-328	-346
Net change	-44	-396	-244	-684
Changes in ownership--				
From other public	-432	432	--	--
From forest industry	412	-989	577	--
From other private	12	127	-139	--
Net change	-8	-430	438	--
Growth, mortality, and harvest--				
Periodic gross growth	3,299	6,274	3,610	13,183
Periodic mortality	-367	-454	-428	-1,249
Periodic removals	-1,630	-6,963	-2,251	-10,844
Net change	1,302	-1,143	931	1,090
Total volume in 1988-91	9,980	13,122	9,437	32,539
<b>Hardwoods:</b>				
Total volume in 1978-80	1,094	2,817	2,464	6,375
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	--	-29	-173	-202
Nonforest to timberland	--	--	--	--
Net change	--	-29	-173	-202
Changes in inventory area--				
To National Forest	--	-22	--	-22
From National Forest	--	7	--	7
To reserved timberland	--	--	--	--
Net change	--	-15	--	-15
Changes in ownership--				
From other public	-110	110	--	--
From forest industry	160	-287	127	--
From other private	--	23	-23	--
Net change	50	-154	104	--
Growth, mortality, and harvest--				
Periodic gross growth	445	980	1,098	2,523
Periodic mortality	-98	-134	-161	-393
Periodic removals	-129	-1,020	-555	-1,704
Net change	218	-174	382	426
Total volume in 1988-91	1,363	2,444	2,776	6,583

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Negative values are losses of volume and positive values are gains of volume. Losses are shown by the 1978-80 owner and gains are shown by the 1988-91 owner.

**Table 36W--Changes in volume of growing stock on timberland outside National Forests by species group and owner, western Washington, 1978-79 to 1988-89<sup>a b</sup>**

Description	Other public	Forest industry	Other private	All owners
<i>Million cubic feet<sup>c</sup></i>				
Softwoods:				
Total volume in 1978-79	6,789	13,179	3,919	23,887
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	--	-484	-275	-759
Nonforest to timberland	--	--	33	33
Net change	--	-484	-242	-726
Changes in inventory area--				
To National Forest	--	-177	--	-177
From National Forest	27	36	84	147
To reserved timberland	-18	--	--	-18
Net change	9	-141	84	-48
Changes in ownership--				
From other public	-408	408	--	--
From forest industry	386	-941	555	--
From other private	--	86	-86	--
Net change	-22	-447	469	--
Growth, mortality, and harvest--				
Periodic gross growth	2,710	5,552	1,983	10,245
Periodic mortality	-249	-306	-130	-686
Periodic removals	-1,410	-6,239	-1,507	-9,157
Net change	1,050	-993	345	402
Total volume in 1988-89	7,825	11,117	4,579	23,521
Hardwoods:				
Total volume in 1978-79	1,034	2,797	2,330	6,160
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	--	-29	-173	-201
Nonforest to timberland	--	--	--	--
Net change	--	-29	-173	-201
Changes in inventory area--				
To National Forest	--	-22	--	-22
From National Forest	--	7	--	7
To reserved timberland	--	--	--	--
Net change	--	-16	--	-16
Changes in ownership--				
From other public	-110	110	--	--
From forest industry	159	-286	127	--
From other private	--	23	-23	--
Net change	50	-153	104	--
Growth, mortality, and harvest--				
Periodic gross growth	430	972	1,031	2,433
Periodic mortality	-93	-134	-147	-373
Periodic removals	-126	-1,020	-550	-1,696
Net change	212	-182	334	363
Total volume in 1988-89	1,295	2,417	2,594	6,307

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Negative values are losses of volume and positive values are gains of volume. Losses are shown by the 1978-79 owner and gains are shown by the 1988-89 owner.

**Table 36E--Changes in volume of growing stock on timberland outside National Forests by species group and owner, eastern Washington, 1980 to 1990-91<sup>a b</sup>**

Description	Other public	Forest industry	Other private	All owners
<i>Million cubic feet<sup>c</sup></i>				
<b>Softwoods:</b>				
Total volume in 1980	1,966	2,415	4,688	9,069
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	-26	-22	-57	-105
Nonforest to timberland	--	--	--	--
Net change	-26	-22	-57	-105
Changes in inventory area--				
To National Forest	-53	-255	--	-308
From National Forest	--	--	--	--
To reserved timberland	--	--	-328	-328
Net change	-53	-255	-328	-637
Changes in ownership--				
From other public	-24	24	--	--
From forest industry	26	-48	22	--
From other private	12	41	-53	--
Net change	14	17	-31	--
Growth, mortality, and harvest--				
Periodic gross growth	589	722	1,627	2,938
Periodic mortality	-118	-148	-298	-565
Periodic removals	-220	-724	-744	-1,687
Net change	251	-150	585	686
Total volume in 1990-91	2,155	2,005	4,858	9,018
<b>Hardwoods:</b>				
Total volume in 1980	60	20	134	214
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	--	--	--	--
Nonforest to timberland	--	--	--	--
Net change	--	--	--	--
Changes in inventory area--				
To National Forest	--	--	--	--
From National Forest	--	--	--	--
To reserved timberland	--	--	--	--
Net change	--	--	--	--
Changes in ownership--				
From other public	--	--	--	--
From forest industry	1	-1	--	--
From other private	--	--	--	--
Net change	1	-1	--	--
Growth, mortality, and harvest--				
Periodic gross growth	15	8	67	90
Periodic mortality	-5	--	-14	-20
Periodic removals	-3	--	-5	-7
Net change	7	8	48	63
Total volume in 1990-91	68	27	182	277

-- = none found or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Negative values are losses of volume and positive values are gains of volume. Losses are shown by the 1980 owner and gains are shown by the 1990-91 owner.



**Table 37--Changes in volume of sawtimber on timberland outside National Forests by species group and owner, Washington, 1978-80 to 1988-91<sup>a b</sup>**

Description	Other public	Forest industry	Other private	All owners
<i>Million board feet, Scribner rule<sup>c</sup></i>				
Softwoods:				
Total volume in 1978-80	35,072	61,577	32,305	128,953
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	-124	-2,182	-1,111	-3,416
Nonforest to timberland	--	--	85	85
Net change	-124	-2,182	-1,026	-3,331
Changes in inventory area--				
To National Forest	-126	-1,714	--	-1,840
From National Forest	118	137	429	684
To reserved timberland	-64	--	-1,439	-1,439
Net change	-72	-1,577	-1,010	-2,659
Changes in ownership--				
From other public	-1,548	1,548	--	--
From forest industry	1,400	-3,564	2,164	--
From other private	34	409	-442	--
Net change	-113	-1,607	1,720	--
Growth, mortality, and harvest--				
Periodic gross growth	15,570	27,631	16,366	59,567
Periodic mortality	-1,171	-1,302	-1,480	-3,953
Periodic removals	-7,818	-32,531	-9,933	-50,327
Net change	6,581	-6,246	4,952	5,287
Total volume in 1988-91	41,342	49,964	36,940	128,245
Hardwoods:				
Total volume in 1978-80	3,153	8,226	7,080	18,459
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	--	-88	-542	-630
Nonforest to timberland	--	--	--	--
Net change	--	-88	-542	-630
Changes in inventory area--				
To National Forest	--	-77	--	-77
From National Forest	--	13	--	13
To reserved timberland	--	--	--	--
Net change	--	-64	--	-64
Changes in ownership--				
From other public	-218	218	--	--
From forest industry	339	-748	409	--
From other private	--	56	-56	--
Net change	121	-474	353	--
Growth, mortality, and harvest--				
Periodic gross growth	2,011	4,297	4,655	10,964
Periodic mortality	-254	-215	-313	-782
Periodic removals	-458	-3,777	-1,737	-5,972
Net change	1,300	305	2,605	4,211
Total volume in 1988-91	4,575	7,909	9,490	21,974

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Negative values are losses of volume and positive values are gains of volume. Losses are shown by the 1978-80 owner and gains are shown by the 1988-91 owner.

**Table 37W--Changes in volume of sawtimber outside National Forests by species group and owner, western Washington, 1978-79 to 1988-89<sup>a b</sup>**

Description	Other public	Forest industry	Other private	All owners
<i>Million board feet, Scribner rule<sup>c</sup></i>				
Softwoods:				
Total volume in 1978-79	26,687	51,785	13,577	92,049
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	--	-2,085	-947	-3,032
Nonforest to timberland	--	--	85	85
Net change	--	-2,085	-862	-2,947
Changes in inventory area--				
To National Forest	--	-722	--	-722
From National Forest	118	137	429	684
To reserved timberland	-64	--	--	-64
Net change	54	-585	429	-102
Changes in ownership--				
From other public	-1,472	1,472	--	--
From forest industry	1,353	-3,464	2,111	--
From other private	--	282	-282	--
Net change	-119	-1,709	1,828	--
Growth, mortality, and harvest--				
Periodic gross growth	12,842	24,107	8,863	45,812
Periodic mortality	-703	-728	-409	-1,840
Periodic removals	-6,702	-29,293	-6,296	-42,291
Net change	5,437	-5,913	2,157	1,681
Total volume in 1988-89	32,058	41,491	17,130	90,679
Hardwoods:				
Total volume in 1978-79	2,978	8,177	6,763	17,918
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	--	-88	-542	-630
Nonforest to timberland	--	--	--	--
Net change	--	-88	-542	-630
Changes in inventory area--				
To National Forest	--	-77	--	-77
From National Forest	--	13	--	13
To reserved timberland	--	--	--	--
Net change	--	-64	--	-64
Changes in ownership--				
From other public	-218	218	--	--
From forest industry	339	-748	409	--
From other private	--	56	-56	--
Net change	121	-474	353	--
Growth, mortality, and harvest--				
Periodic gross growth	1,948	4,284	4,447	10,680
Periodic mortality	-246	-215	-285	-746
Periodic removals	-448	-3,777	-1,728	-5,953
Net change	1,255	292	2,434	3,981
Total volume in 1988-89	4,354	7,847	9,002	21,204

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Negative values are losses of volume and positive values are gains of volume. Losses are shown by the 1978-79 owner and gains are shown by the 1988-89 owner.

**Table 37E--Changes in volume of sawtimber on timberland outside National Forests by species group and owner, eastern Washington, 1980 to 1990-91<sup>a b</sup>**

Description	Other public	Forest industry	Other private	All owners
<i>Million board feet, Scribner rule<sup>c</sup></i>				
<b>Softwoods:</b>				
Total volume in 1980	8,385	9,792	18,728	36,904
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	-124	-97	-164	-384
Nonforest to timberland	--	--	--	--
Net change	-124	-97	-164	-384
Changes in inventory area--				
To National Forest	-126	-992	--	-1,118
From National Forest	--	--	--	--
To reserved timberland	--	--	-1,439	-1,439
Net change	-126	-992	-1,439	-2,557
Changes in ownership--				
From other public	-76	76	--	--
From forest industry	47	-100	53	--
From other private	34	127	-160	--
Net change	6	102	-108	--
Growth, mortality, and harvest--				
Periodic gross growth	2,728	3,524	7,503	13,755
Periodic mortality	-468	-574	-1,071	-2,113
Periodic removals	-1,116	-3,283	-3,637	-8,036
Net change	1,144	-333	2,795	3,606
Total volume in 1990-91	9,284	8,473	19,810	37,566
<b>Hardwoods:</b>				
Total volume in 1980	175	49	317	541
Volume changes due to:				
Changes in land class--				
Timberland to nonforest	--	--	--	--
Nonforest to timberland	--	--	--	--
Net change	--	--	--	--
Changes in inventory area--				
To National Forest	--	--	--	--
From National Forest	--	--	--	--
To reserved timberland	--	--	--	--
Net change	--	--	--	--
Changes in ownership--				
From other public	--	--	--	--
From forest industry	--	--	--	--
From other private	--	--	--	--
Net change	--	--	--	--
Growth, mortality, and harvest--				
Periodic gross growth	63	13	208	284
Periodic mortality	-8	--	-28	-36
Periodic removals	-10	--	-9	-18
Net change	45	13	171	230
Total volume in 1990-91	221	62	488	770

-- = none found or less than 500,000 board feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Estimates are based on remeasured plots.

<sup>c</sup> Negative values are losses of volume and positive values are gains of volume. Losses are shown by the 1980 owner and gains are shown by the 1990-91 owner.

**Table 38--Changes in net volume of growing stock on timberland outside National Forests by species and diameter class, Washington, 1978-80 to 1988-91<sup>a b</sup>**

Species	Diameter class (inches at breast height)						All classes
	5.0-8.9	9.0-12.9	13.0-16.9	17.0-20.9	21.0-28.9	29.0+	
<i>Million cubic feet</i>							
Softwoods:							
True firs	-31	-5	-73	-13	-86	-177	-383
Alaska-cedar	--	--	-3	-6	-11	-11	-30
Western larch	-47	-15	-48	-17	-15	-8	-152
Engelmann spruce	-3	1	-3	-3	-16	-9	-32
Sitka spruce	13	5	5	-8	-11	-87	-83
Lodgepole pine	-65	-53	9	-6	-9	--	-121
Western white pine	2	8	12	--	-1	-6	15
Ponderosa pine	-9	35	68	60	-8	-85	61
Douglas-fir	-33	164	246	311	715	42	1,445
Western redcedar	--	26	20	23	118	44	231
Western hemlock	-71	129	46	-92	-352	-695	-1,034
Mountain hemlock	-2	-11	-43	-42	-67	-164	-327
Other softwoods	-1	-1	--	-3	1	--	-5
Total	-248	288	235	204	259	-1,155	-417
Hardwoods:							
Bigleaf maple	-11	14	-5	73	26	38	134
Red alder	-229	-119	144	28	40	23	-115
Pacific madrone	-2	1	--	3	--	--	3
Western paper birch	5	12	6	--	--	--	22
Oregon ash	--	4	7	9	9	--	31
Quaking aspen	-4	11	8	3	2	--	21
Black cottonwood	-1	5	-41	33	86	38	120
Cherry	-9	-2	-3	-1	--	--	-14
Oregon white oak	-1	7	--	1	-1	--	8
Other hardwoods	--	--	--	--	--	--	--
Total	-249	-69	116	147	162	99	208
All species	-497	219	352	351	421	-1,056	-208

-- = no change or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes volume change due to shifts in ownership and reserved status.

**Table 38W--Changes in net volume of growing stock on timberland outside National Forests by species and diameter class, western Washington, 1978-79 to 1988-89<sup>a b</sup>**

Species	Diameter class (inches at breast height)						All classes
	5.0-8.9	9.0-12.9	13.0-16.9	17.0-20.9	21.0-28.9	29.0+	
<i>Million cubic feet</i>							
Softwoods:							
True firs	-4	2	-16	-3	-75	-145	-239
Alaska-cedar	--	--	-3	-4	-8	-11	-25
Western larch	--	--	--	--	--	--	--
Engelmann spruce	--	-1	1	--	--	--	1
Sitka spruce	13	5	5	-8	-11	-87	-83
Lodgepole pine	-2	-1	-14	1	-1	1	-16
Western white pine	2	8	16	-1	--	-5	20
Ponderosa pine	--	--	--	--	--	--	--
Douglas-fir	-49	109	81	179	629	63	1,013
Western redcedar	-8	-13	9	21	101	43	178
Western hemlock	-74	129	50	-85	-349	-691	-1,020
Mountain hemlock	1	-5	-14	-18	-37	-153	-223
Other softwoods	--	--	--	--	--	--	--
Total	-120	264	143	81	250	-984	-365
Hardwoods:							
Bigleaf maple	-11	13	-5	73	26	38	133
Red alder	-230	-118	147	26	41	22	-114
Pacific madrone	-2	1	--	3	--	--	3
Western paper birch	1	12	2	--	--	--	14
Oregon ash	--	4	7	9	9	--	31
Quaking aspen	--	--	--	--	--	--	--
Black cottonwood	-7	1	-34	21	78	34	92
Cherry	-12	-2	-3	-1	--	--	-17
Oregon white oak	-4	5	--	--	--	--	2
Other hardwoods	--	--	--	--	--	--	--
Total	-261	-86	114	129	154	94	145
All species	-382	178	258	210	404	-890	-220

-- = no change or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes volume change due to shifts in ownership and reserved status.

**Table 38E--Changes in net volume of growing stock on timberland outside National Forests by species and diameter class, eastern Washington, 1980 to 1990-91<sup>a b</sup>**

Species	Diameter class (inches at breast height)						All classes
	5.0-8.9	9.0-12.9	13.0-16.9	17.0-20.9	21.0-28.9	29.0+	
<i>Million cubic feet</i>							
Softwoods:							
True firs	-27	-7	-57	-10	-11	-32	-144
Western larch	-47	-15	-49	-17	-15	-8	-152
Engelmann spruce	-3	2	-4	-3	-16	-9	-33
Lodgepole pine	-63	-52	-5	-7	-8	-1	-137
Western white pine	--	--	-4	1	-1	-1	-5
Ponderosa pine	-9	35	68	60	-8	-85	61
Douglas-fir	16	55	165	132	86	-21	432
Western redcedar	8	13	11	2	17	1	53
Western hemlock	3	--	-4	-7	-3	-4	-14
Mountain hemlock	-3	-6	-29	-24	-30	-11	-104
Other softwoods	-1	-1	--	-5	-2	--	-10
Total	-128	24	92	123	9	-171	-52
Hardwoods:							
Bigleaf maple	--	1	--	--	--	--	1
Red alder	1	-1	-3	2	-1	1	-1
Western paper birch	4	--	4	--	--	--	8
Quaking aspen	-4	11	8	3	2	--	21
Black cottonwood	6	4	-7	12	8	4	28
Cherry	3	--	--	--	--	--	3
Oregon white oak	3	2	--	1	-1	--	5
Total	12	17	2	18	8	5	63
All species	-115	41	94	141	17	-166	11

-- = no change or less than 500,000 cubic feet.

<sup>a</sup> Totals may be off because of rounding; data subject to sampling error.

<sup>b</sup> Includes volume change due to shifts in ownership and reserved status.

**Table 39--Timber harvest by owner, Washington, 1955-92**

Year	National Forest			Other public <sup>a</sup>			Private			All owners		
	Western Washington	Eastern Washington	Total	Western Washington	Eastern Washington	Total	Western Washington	Eastern Washington	Total	Western Washington	Eastern Washington	Total
<i>Thousand board feet, Scribner rule</i>												
1955	689,672	172,714	862,386	424,744	47,673	472,417	2,777,915	537,955	3,315,870	3,892,331	758,342	4,650,673
1956	727,200	217,290	944,490	502,135	46,097	548,232	3,038,207	504,073	3,542,280	4,267,542	767,460	5,035,002
1957	672,190	227,845	900,035	387,006	37,657	424,663	2,237,635	485,045	2,722,680	3,296,831	750,547	4,047,378
1958	776,080	250,764	1,026,844	293,581	29,131	322,712	2,038,037	491,670	2,529,707	3,107,698	771,565	3,879,263
1959	1,107,261	330,307	1,437,568	273,932	35,716	309,648	2,585,248	536,507	3,121,755	3,966,441	902,530	4,868,971
1960	908,243	272,884	1,181,127	260,626	29,195	289,821	2,719,803	536,180	3,255,983	3,888,672	838,259	4,726,931
1961	891,646	288,501	1,180,147	289,318	27,229	316,547	2,457,226	481,854	2,939,080	3,638,190	797,584	4,435,774
1962	1,096,100	400,062	1,496,162	296,781	37,159	333,940	2,766,816	454,426	3,221,242	4,159,697	891,647	5,051,344
1963	1,171,400	411,925	1,583,325	529,806	41,419	571,225	2,782,133	491,028	3,273,161	4,483,339	944,372	5,427,711
1964	1,274,200	427,596	1,701,796	550,482	38,232	588,714	3,379,857	547,882	3,927,739	5,204,539	1,013,710	6,218,249
1965	1,287,000	433,090	1,720,090	675,081	75,941	751,022	3,520,101	530,562	4,050,663	5,482,182	1,039,593	6,521,775
1966	1,144,649	428,176	1,572,825	536,100	75,922	612,022	3,363,883	526,794	3,890,677	5,044,632	1,030,892	6,075,524
1967	1,151,400	448,802	1,600,202	475,640	84,539	560,179	3,244,896	531,740	3,776,636	4,871,936	1,065,081	5,937,017
1968	1,322,273	472,669	1,794,942	689,598	102,260	791,858	3,782,017	603,772	4,385,789	5,793,888	1,178,701	6,972,589
1969	1,092,414	426,409	1,518,823	716,294	118,017	834,311	4,127,107	523,715	4,650,822	5,935,815	1,068,141	7,003,956
1970	1,045,406	332,863	1,378,269	601,215	67,014	668,229	3,922,566	490,807	4,413,373	5,569,187	890,684	6,459,871
1971	875,470	385,967	1,261,437	716,634	110,434	827,068	3,788,314	573,711	4,362,025	5,380,418	1,070,112	6,450,530
1972	1,005,802	481,759	1,487,561	996,613	91,899	1,088,512	3,887,790	615,658	4,503,448	5,890,205	1,189,316	7,079,521
1973	1,173,961	439,170	1,613,131	909,711	113,300	1,023,011	4,506,856	666,398	5,173,254	6,590,528	1,218,868	7,809,396
1974	906,694	382,870	1,289,564	720,640	76,699	797,339	4,106,312	683,056	4,789,368	5,733,646	1,142,625	6,876,271
1975	758,498	339,847	1,098,345	539,034	66,583	605,617	3,874,626	606,463	4,481,089	5,172,158	1,012,893	6,185,051
1976	850,548	363,896	1,214,444	745,189	78,859	824,048	4,241,215	689,188	4,930,403	5,836,952	1,131,943	6,968,895
1977	848,754	321,884	1,170,638	758,894	116,758	875,652	3,814,114	730,581	4,544,695	5,421,762	1,169,223	6,590,985
1978	921,270	339,443	1,260,713	916,669	108,993	1,025,662	3,725,151	771,153	4,496,304	5,563,090	1,219,589	6,782,679
1979	984,246	291,369	1,275,615	1,104,197	89,186	1,193,383	3,753,066	747,201	4,500,267	5,841,509	1,127,756	6,969,265
1980	771,896	316,864	1,088,760	732,046	55,485	787,531	3,157,035	686,626	3,843,661	4,660,977	1,058,975	5,719,952
1981	577,876	297,105	874,981	438,361	51,486	489,847	2,940,940	585,130	3,526,070	3,957,177	933,721	4,890,898
1982	549,537	178,788	728,325	435,222	23,331	458,553	3,366,713	525,473	3,892,186	4,351,472	727,592	5,079,064
1983	840,858	399,356	1,240,214	491,990	92,725	584,715	3,629,260	634,084	4,263,344	4,962,108	1,126,165	6,088,273
1984	860,919	327,596	1,188,515	739,755	123,010	862,765	3,153,539	597,153	3,750,692	4,754,213	1,047,759	5,801,972
1985	803,518	324,138	1,127,656	964,710	96,516	1,061,226	3,091,271	683,390	3,774,661	4,859,499	1,104,044	5,963,543
1986	835,706	396,551	1,232,257	991,020	108,974	1,099,994	3,505,069	718,637	4,223,706	5,331,795	1,224,162	6,555,957
1987	960,512	462,312	1,422,824	863,687	146,022	1,009,709	3,873,048	729,928	4,602,976	5,697,247	1,338,262	7,035,509
1988	1,059,327	426,280	1,485,607	761,460	121,557	883,017	3,928,027	748,721	4,676,748	5,748,814	1,296,558	7,045,372
1989	707,974	433,511	1,141,485	745,019	119,929	864,948	3,981,886	805,671	4,787,557	5,434,879	1,359,111	6,793,990
1990	503,952	313,259	817,211	599,267	102,628	701,895	3,586,460	759,905	4,346,365	4,689,679	1,175,792	5,865,471
1991	419,446	284,304	703,750	509,706	68,673	578,379	3,084,358	737,433	3,821,791	4,013,510	1,090,410	5,103,920
1992	255,866	205,206	461,072	505,963	207,135	713,098	3,192,872	650,634	3,843,506	3,954,701	1,062,975	5,017,676

<sup>a</sup> Includes volume harvested from land owned by Native Americans.  
Source: State of Washington, Department of Natural Resources.