

ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT

FY 2003

TABLE 1

**FOREST SERVICE NURSERY PRODUCTION -- BAREROOT**  
(Thousand trees)

Region	FS Nursery	Sold		To	Surplus 2/	Total Production
		Nursery Region	Other Regions	Other Agencies 1/		
1	Coeur d' Alene	5,072	539	56	275	5,942
2	Bessey	158	0	1,742	435	2,335
3	NONE	0	0	0	0	0
4	Lucky Peak	727	24	997	264	2,012
5	Placerville	1,779	0	110	16	1,905
6	J.H. Stone	2,820	511	1,869	588	5,789
8	NONE	0	0	0	0	0
9	Toumey	3,776	0	298	1,944	6,018
10	NONE	0	0	0	0	0
ALL		14,331	1,074	5,072	3,522	24,000

1/ Other Agencies column includes GSA sales and trees donated to other agencies.

2/ Includes amounts donated, sold, and destroyed.

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TABLE 1A

**FOREST SERVICE NURSERY PRODUCTION (THOUSAND TREES)--INVENTORY**

Region	FS Nursery	Nursery Region			Other Region			Other Agency			Total		
		FY 04	FY 05	FY 06	FY 04	FY 05	FY 06	FY 04	FY 05	FY 06	FY 04	FY 05	FY 06
1	Coeur d' Alene	3,022	2,817	146	513	99	19	0	0	0	3,535	2,916	165
2	Bessey	73	0	0	0	0	0	2,513	2,230	0	2,586	2,230	0
3	NONE	0	0	0	0	0	0	0	0	0	0	0	0
4	Lucky Peak	677	319	0	8	0	0	326	0	0	1,011	319	0
		0	0	0	0	0	0	0	0	0	0	0	0
5	Placerville	3,288	419	0	15	3	0	494	0	0	3,797	422	0
6	J. Herbert Stone	2,984	5,516	0	232	71	0	2,251	537	0	5,467	6,124	0
	Other 1/	0	0	0	0	0	0	1,900	0	0	1,900	0	0
	Subtotal	2,984	5,516	0	232	71	0	4,151	537	0	7,367	6,124	0
8	Ashe	0	0	0	0	0	0	0	0	0	0	0	0
	Other 1/	5,860	22	0	0	0	0	0	0	0	5,860	22	0
	Subtotal	5,860	22	0	0	0	0	0	0	0	5,860	22	0
9	Toumey	4,589	4,550	2,634	0	0	0	0	0	0	4,589	4,550	2,634
10	NONE	0	0	0	0	0	0	0	0	0	0	0	0
ALL		23,477	19,159	2,780	1,000	244	19	9,735	3,304	0	34,212	22,707	2,799

1/ State and private nurseries

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TABLE 1B

**FOREST SERVICE NURSERY PRODUCTION (THOUSAND TREES)--SOWING**

Region	FS Nursery	Nursery Region			Other Region			Other Agency			Total		
		FY 05	FY 06	FY 07	FY 05	FY 06	FY 07	FY 05	FY 06	FY 07	FY 05	FY 06	FY 07
1	Coeur d' Alene	0	3,575	200	0	225	25	0	0	0	0	3,800	225
2	Bessey	1	2	0	0	0	0	2,000	2,645	2,645	2,001	2,647	2,645
3	NONE	0	0	0	0	0	0	0	0	0	0	0	0
4	Lucky Peak	0	500	500	0	0	0	650	650	650	650	1,150	1,150
5	Placerville	538	344	0	0	0	0	0	0	0	538	344	0
6	J. Herbert Stone	2,538	3,645	5	317	0	0	661	413	0	3,516	4,058	5
8	Ashe	0	0	0	0	0	0	0	0	0	0	0	0
	Other 1/	5,739	5,284	0	0	0	0	0	0	0	5,739	5,284	0
	Subtotal	5,739	5,284	0	0	0	0	0	0	0	5,739	5,284	0
9	Toumey	3,257	1,392	82	0	0	0	0	0	0	3,257	1,392	82
10	NONE	0	0	0	0	0	0	0	0	0	0	0	0
ALL		12,073	14,742	787	317	225	25	3,311	3,708	3,295	15,701	18,675	4,107

1/ State and private nurseries

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TABLE 2

**CONTAINERIZED NURSERY STOCK PRODUCTION**

(Thousand plantable trees)

Region	Facility	Number Ordered	Plantable Seedlings Produced	Disposition			Anticipated Held Sowing Next Over Fiscal Year	
				National Forests	Sold	Surplus or Destroyed		
1	Coeur d'Alene	2,954	3,070	2,698	348	0	25	3,300
2	Bessey	204	191	188	141	0	50	440
3	NONE	0	0	0	0	0	0	0
4	Lucky Peak	21	21	0	21	0	0	335
5	Placerville	808	533	531	2	1	49	800
	Chico	279	403	264	279	0	0	0
	Subtotal	1,087	936	795	281	1	49	800
6	NONE	0	0	0	0	0	0	0
8	NONE	0	0	0	0	0	0	0
9	Toumey	447	431	405	0	0	26	432
10	NONE	0	0	0	0	0	0	0
ALL		4,713	4,649	4,086	791	1	150	5,307

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TABLE 3

**FOREST SERVICE SEED EXTRACTORY PRODUCTION**  
(Pounds of clean seed)

Region	Extractory	Number of Species	Source of Seed							Grand Total
			Level 5	Level 4	Level 3		Level 2	Level 1	Other	
			Selective Breeding	Seed Orchard	Select Trees	SPA	Seed Stand	Seed Zone		
1	Coeur d' Alene	3	169	0	1	54	1,596	91	0	1,911
2	Bessey	4	0	0	0	0	0	80	0	80
3	NONE	0	0	0	0	0	0	0	0	0
4	Lucky Peak	42	0	0	0	0	0	566	0	566
5	Placerville	2	0	0	191	0	43	0	0	234
6	Bend Pine	169	0	15	0	5,977	0	455	0	6,446
	Dorena	6	0	0	1	30	0	32	0	63
	Subtotal, R-6	175	0	15	1	6,007	0	486	0	6,509
8	Region 8 1/	3	0	0	0	0	0	4,157	0	4,157
9	Oconto River SO	2	0	554	0	0	0	0	0	80
	J.W. Toumey	12	0	554	0	6	0	0	1,614	2,174
	Subtotal, R-8	14	0	1,108	0	6	0	0	1,614	2,728
10	Heintzleman	0	0	0	0	0	0	0	0	0
ALL		243	169	1,123	193	6,067	1,639	5,380	1,614	16,185
	Percent of Total		1.0	6.9	1.2	37.5	10.1	33.2	10.0	100.0

1/ Collections of open pollinated acorns from native oak species.

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TABLE 4

**OTHER PLANTING STOCK AND SEED ACQUISITION**

Region	Planting Stock (Thousand Trees)					Clean Seed (Pounds)				
	Service Contract	Other Regions	Other Agencies	Commercial Sources	Total	Service Contract	Other Regions	Other Agencies	Commercial Sources	Total
1	0	288	0	0	288	0	0	0	0	0
2	0	0	0	0	0	0	0	220	2,456	2,676
3	145	0	0	0	145	0	0	0	0	0
4	91	671	0	0	762	0	0	0	0	0
5	609	233	5	209	1,056	0	0	22	0	22
6	712	18	40	578	1,348	2	0	0	0	2
8	6,323	0	0	842	7,165	0	0	0	0	0
9	673	0	213	4	890	12	0	31	0	43
10	0	0	0	0	0	0	0	0	0	0
ALL	8,553	1,210	258	1,633	11,654	14	0	273	2,456	2,743

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TABLE 5

**SEED PRODUCTION AREA STATUS**

Region	Number Of Areas	Acres Current Year	Areas Removed	Total Established To Date
1	62	70	1109	1,670
2	0	0	0	0
3	3	0	0	40
4	12	0	0	96
5	4	0	0	80
6	49	0	0	364
8	0	0	0	0
9	30	0	0	30
10	0	0	0	0
ALL	160	70	1109	2,280

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TABLE 6

**SEED ORCHARD (SO) AND/OR CLONE-BANK (CB) STATUS**

THIS TABLE IS NO LONGER PART OF THIS REPORT.  
INFORMATION IS AVAILABLE FROM EACH FOREST SERVICE REGION UPON REQUEST.



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TABLE 7

Region	Species	Breeding	Orchard	Trees	SPA	Stand	Zone	Vegetative		Total
								Other	Material	
1	THPL	0	0	0	0	37	0	0	0	37
	PSME	0	0	0	2	1,852	1,671	0	0	3,525
	LAOC	0	0	0	320	2,877	1,411	0	0	4,608
	PICO	0	0	0	0	593	767	0	0	1,360
	PIPO	0	0	0	69	3,128	895	0	0	4,092
	PIEN	0	0	0	0	377	568	0	0	945
	PIAL	0	0	0	0	17	0	0	0	17
	PIMO3	0	2,803	0	0	0	0	0	0	2,803
Subtotal, R-1	0	2,803	0	391	8,881	5,312	0	0	17,387	
2	PICO	0	0	0	0	0	300	0	0	300
	PIEN	0	0	89	0	0	245	0	0	334
	PIPO	0	0	9	0	0	520	0	0	529
	Subtotal, R-2	0	0	98	0	0	1,065	0	0	1,163
3	PIPO	0	0	0	0	0	1102	0	0	1,102
	PSME	0	0	0	0	0	451	0	0	451
	Subtotal, R-3	0	0	0	0	0	1,553	0	0	1,553
4	ABLA	0	0	0	0	0	15	0	0	15
	LAOC	0	0	0	0	0	66	0	0	66
	PICO	0	0	0	0	0	962	225	0	1,187
	PIEN	0	0	0	0	36	793	11	0	840
	PIPO	0	0	0	0	0	1,853	10	0	1,863
	PSME	0	0	0	0	0	2,015	9	0	2,024
Subtotal, R-4	0	0	0	0	36	5,704	255	0	5,995	
5	ABCO	0	0	0	0	51	0	0	0	51
	BMA2	0	0	0	0	332	6	2	0	340
	PICO1	0	0	0	0	0	0	21	0	21
	PICO2	0	0	0	0	17	0	10	0	27
	PIJE	0	90	0	0	615	1,190	445	0	2,340
	PILA	0	0	127	0	23	0	1	0	151
	PIPO	0	440	0	0	2,743	5,427	340	0	8,950
	PIAT2	0	0	0	0	5	0	0	0	5
	PSME	0	139	0	0	93	734	394	0	1,360
Subtotal, R-5	0	669	127	0	3,879	7,357	1,213	0	13,245	

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Region	Species	Selective Breeding	Seed Orchard	Select Trees	SPA	Seed Stand	Seed Zone	Other	Vegetative Material	Total
6	PICO	0	0	12	0	0	45	0	0	57
	PILA	0	25	63	24	64	88	0	0	264
	PIMO3	16	130	237	0	91	314	0	0	788
	PIPO	0	0	5,651	0	481	2,094	1	0	8,227
	ABCO	0	0	0	0	0	17	0	0	17
	ABLA	0	0	0	0	61	0	0	0	61
	PSME	0	38	393	880	133	1,677	0	0	3,121
	PSMEE	0	0	438	0	0	90	0	0	528
	PSMEW	0	0	3	0	0	0	0	0	3
	ABMAS	0	0	0	0	0	49	0	0	49
	ABPR	0	0	78	25	0	118	0	0	221
	THPL	0	0	7	0	20	114	0	0	141
	TSHE	0	0	1	0	0	79	0	0	80
	CHLA	0	0	0	0	27	0	0	0	27
	LAOC	0	0	0	0	0	23	0	0	23
	LAOCW	0	0	448	0	486	905	2	0	1,841
	LIDE	0	0	0	0	0	193	0	0	193
	POPUL (740)	0	0	0	0	0	10	0	0	10
	PIEN	0	0	7	9	16	56	0	0	88
	PISI	0	0	0	0	0	24	0	0	24
Subtotal, R-6		16	193	7,338	938	1,379	5,896	3	0	15,763
8	PIEC2	0	5,594	0	0	0	0	1,218	0	6,812
	PIEL	0	19	0	0	0	0	0	0	19
	PIPA2	0	2,964	0	7	0	53	691	0	3,715
	PIST	0	51	0	0	0	0	0	0	51
	PITA	0	1,027	0	0	0	0	0	0	1,027
	TADI2	0	0	0	0	0	28	0	0	28
	QUERCUS (800)	0	0	0	0	0	18	0	0	18
	QUAL	0	0	4	0	0	0	154	0	158
	QUFA	0	11	0	0	0	0	0	0	11
	QUNI	0	0	0	0	0	0	42	0	42
	QURU	0	69	6	0	0	30	104	0	209
	Subtotal, R-8		0	9,735	10	7	0	129	2,209	0

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Region	Species	Breeding	Orchard	Trees	SPA	Stand	Zone	Other	Material	Total
9	PIGL	0	142	0	0	91	27	0	0	260
	PIMA	0	9	0	0	0	0	0	0	9
	PIBA2	0	25	314	0	673	1,309	161	0	2,482
	PIRE	0	330	41	0	549	675	0	0	1,595
	PIST	10	2,774	34	0	519	36	377	0	3,750
	PIVI2	0	0	0	0	37	0	0	0	37
	TADI2	0	0	0	0	0	0	400	0	400
	THOC2	0	0	0	0	25	4	0	0	29
	TSCA	0	0	0	0	0	0	0	0	0
	ACSA2	0	0	0	0	0	0	0	0	0
	ACSA3	0	0	0	0	0	0	0	0	0
	BEAL2	0	0	0	0	0	15	0	0	15
	JUCI	0	74	0	0	0	0	0	0	74
	JUNI (602)	0	0	0	0	0	40	0	0	40
	QUAL	0	0	0	0	0	80	0	0	80
	QURU	0	0	0	0	106	282	0	0	388
Subtotal, R-9		10	3,354	389	0	2,000	2,468	938	0	9,159
10	PICEA	0	0	0	0	0	129	0	0	129
	Subtotal, R-10		0	0	0	0	0	129	0	0
ALL		26	16,754	7,962	1,336	16,175	29,613	4,618	0	76,484
	Percent of Total	0.0	21.9	10.4	1.7	21.1	38.7	6.0	0.0	100.0

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TABLE 8

**SILVICULTURAL EXAMINATIONS AND PRESCRIPTIONS**

ACRES

<u>Region</u>	<u>Silvicultural Exam</u>	<u>Diagnosis</u>	<u>Prescription</u>
	Act. 310-319	Act. 320-329	Act. 330-339
1	176,141	0	22,572
2	140,585	33	271
3	80,018	55,277	1,602
4	40,684	2,810	2,040
5	5,185	454	1,107
6	36,667	10,942	12,505
8	97,348	0	344,716
9	87	0	170,231
10	15,782	0	557
ALL	592,497	69,516	555,601

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TABLE 9

**PLANTING**

*Activity Codes 430-449*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	3,623	7,380	0	6,384	17,387
2	945	218	0	0	1,163
3	1,041	380	0	132	1,553
4	2,170	926	0	2,899	5,995
5	4,948	4,086	0	4,211	13,245
6	10,940	4,802	0	21	15,763
8	4,284	5,028	0	2,778	12,090
9	4,123	4,954	0	82	9,159
10	129	0	0		129
ALL	32,203	27,774	0	16,507	76,484

TABLE 10

**SEEDING**

*Activity Codes 410-429*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	0	0	0	0	0
2	42	277	0	0	319
3	0	185	0	0	185
4	0	3,273	0	0	3,273
5	0	431	0	0	431
6	0	0	0	0	0
8	0	0	0	0	0
9	525	0	0	0	525
10	0	0	0	0	0
ALL	567	4,166	0	0	4,733

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TABLE 11

**SITE PREPARATION FOR NATURAL REGENERATION**

*Activity Codes 490-499*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	376	772	0	899	2,047
2	145	1,080	0	95	1,320
3	0	74	0	0	74
4	719	820	0	0	1,539
5	5	357	0	0	362
6	3,185	2,306	0	0	5,491
8	1,215	7,930	0	295	9,440
9	2,667	9,714	0	0	12,381
10	0	0	0	0	0
ALL	8,312	23,053	0	1,289	32,654

TABLE 11A

**NATURAL REGENERATION WITHOUT SITE PREPARATION**

*Activity Code 382*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	495	1,083	0	71	1,649
2	2,121	6,735	0	3	8,859
3	571	22	0	0	593
4	1,210	1,937	0	206	3,353
5	69	60	0	34	163
6	11,948	1,821	0	0	13,769
8	122	399	0	0	521
9	4,618	11,564	0	0	16,182
10	0	4,535	0	0	4,535
ALL	21,154	28,156	0	314	49,624

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TABLE 12

**SITE PREPARATION FOR PLANTING OR SEEDING**

*Activity Codes 470-489*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	455	3,202	0	2,936	6,593
2	140	127	0	0	267
3	37	0	0	0	37
4	15	75	45	0	135
5	703	2,475	241	1,807	5,226
6	1,493	1,878	379	72	3,822
8	1,955	7,426	0	2,065	11,446
9	1,308	2,890	0	0	4,198
10	0	0	0	0	0
ALL	6,106	18,073	665	6,880	31,724

TABLE 13

**RELEASE AND WEEDING**

*Activity Codes 510-519*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	604	421	0	0	1,025
2	425	1,448	0	232	2,105
3	0	36	0	775	811
4	901	1,063	0	0	1,964
5	5,795	13,828	0	10,043	29,666
6	506	1,995	44	161	2,706
8	13,807	13,178	0	2,578	29,563
9	6,687	2,572	0	0	9,259
10	0	0	0	0	0
ALL	28,725	34,541	44	13,789	77,099

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TABLE 14

**PRECOMMERCIAL THINNING**

*Activity Codes 520-529*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	8,272	729	0	358	9,359
2	1,054	3,642	0	1,221	5,917
3	2,454	1,445	0	5,784	9,683
4	9,597	2,095	0	1,857	13,549
5	5,781	15,056	0	24,982	45,819
6	21,096	11,926	63	29,263	62,348
8	3,679	4,169	0	582	8,430
9	4,482	1,766	0	0	6,248
10	1,424	282	0	1,650	3,356
ALL	57,839	41,110	63	65,697	164,709

TABLE 15

**PRUNING**

*Activity Codes 530-539*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	476	0	0	5,612	6,088
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	229	40	0	1,964	2,233
6	507	1,450	0	2,063	4,020
8	0	0	0	0	0
9	442	198	0	0	640
10	0	0	0	0	0
ALL	1,654	1,688	0	9,639	12,981



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TABLE 16

**FERTILIZING OF ESTABLISHED STANDS**

*Activity Codes 550-559*  
ACRES

Region	NFVW/RTF	CWKV	BD	Other	Total
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	842	0	0	842
6	258	2,671	0	0	2,929
8	0	0	0	0	0
9	0	0	0	0	0
10	9	0	0	0	9
ALL	267	3,513	0	0	3,780

TABLE 17

**PRESCRIBED BURNING TO CONTROL UNDERSTORY SPECIES**

*Activity Code 541*  
ACRES

Region	NFVW/RTF	CWKV	BD	Other	Total
1	0	108	0	0	108
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	150	1,691	0	1,841
8	1,318	6,074	0	0	7,392
9	0	58	0	66	124
10	0	0	0	0	0
ALL	1,318	6,390	1,691	66	9,465

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TABLE 18

**ANIMAL CONTROL FOR REFORESTATION**

*Activity Codes 460-469*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	3,723	1,596	0	2,368	7,687
2	24	0	0	0	24
3	30	0	0	0	30
4	826	1,519	0	0	2,345
5	1,397	2,653	0	5,004	9,054
6	23,996	10,197	0	59	34,252
8	0	0	0	0	0
9	84	213	0	0	297
10	0	0	0	0	0
ALL	30,080	16,178	0	7,431	53,689

TABLE 19

**ANIMAL CONTROL FOR TIMBER STAND IMPROVEMENT**

*Activity Codes 560-569*  
ACRES

Region	NFVW/RTF	K-V	BD	Other	Total
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	9	0	0	287	296
6	0	0	0	0	0
8	0	0	0	0	0
9	1,461	436	0	0	1,897
10	0	0	0	0	0
ALL	1,470	436	0	287	2,193

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TABLE 20

**REGENERATION AND INTERMEDIATE HARVEST ACRES**

Region	Clearcut 110-119	Prep cut 120-129	Seed cut 130-139	Removal cut 140-149	Selection cut 150-159	Improvement cut 210-219	Thinning 220-229	Sanitation cut 230-239	Special cut 240-249	Total 110-249
1	6,846	574	5,119	252	1,347	2,178	3,414	5,966	761	26,457
2	642	1,544	2,966	2,119	1,189	0	3,186	2,380	234	14,260
3	0	0	0	0	484	768	4,630	3,579	572	10,033
4	754	40	58	216	718	483	1,691	438	10	4,408
5	0	0	164	38	2,133	432	15,489	3,105	3,249	24,610
6	135	0	2,366	3,487	6,595	997	18,284	21,917	95	53,876
8	4,630	866	4,407	1,558	2,882	333	21,884	7,860	335	44,755
9	9,277	833	3,727	1,456	7,849	3,520	14,341	3,560	149	44,712
10	714	0	0	0	48	0	0	216	0	978
ALL	22,998	3,857	18,807	9,126	23,245	8,711	82,919	49,021	5,405	224,089

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TABLE 21

**CERTIFICATION OF REFORESTATION AND TIMBER STAND IMPROVEMENT ACREAGES**

			Reforestation			Timber Stand Improvement					
Region	Planted	Seeded	Natural Regen w/ Site Prep	Natural Regen w/o Site Prep	Total Reforestation	Cleaning	Release	Precomm. Thinning	Fertilization	Pruning	Total TSI
1	19,739	28	2,893	1,649	24,309	0	1,025	8,464	0	6,182	15,671
2	404	0	627	8,859	9,890	0	0	1,935	0	0	1,935
3	0	0	32	593	625	0	0	648	0	0	648
4	4,725	0	239	3,626	8,590	0	1,391	5,292	0	0	6,683
5	3,439	0	0	163	3,602	0	26,894	39,833	842	1,903	69,472
6	15,179	185	1,500	13,769	30,633	23	396	16,294	2,573	1,564	20,850
8	9,192	1,800	7,640	521	19,153	0	17,625	6,344	0	0	23,969
9	5,149	811	13,120	16,182	35,262	0	4,722	4,215	0	379	9,316
10	141	0	0	4,535	4,676	0	0	3,561	0	27	3,588
ALL	57,968	2,824	26,051	49,897	136,740	23	52,053	86,586	3,415	10,055	152,132

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TABLE 22

**PLANTATION SURVIVAL CHECKS**

Survival checks made after 2002 Growing Season

REGION	SPECIES (Species Code)	First Year Survival		Third Year Survival	
		Acres Sampled	Survival Percent	Acres Sampled	Survival Percent
1	Douglas-fir (PSME)	772	91%	225	70%
	Englemann spruce (PIEN)	296	94%	157	64%
	Lodgepole pine (PICO)	373	87%	225	74%
	Ponderosa pine (PIPO)	1,337	86%	496	50%
	Western larch (LAOC)	1,057	80%	813	59%
	Western white pine (PIMO3)	579	84%	532	60%
	Subtotal, R-1	4,414	86%	2,448	60%
2	Lodgepole pine (PICO)	309	59%	1,288	72%
	Englemann spruce (PIEN)	74	78%	122	61%
	Ponderosa pine (PIPO)	197	5%	42	40%
	Douglas-fir (PSME)	339	69%	47	55%
	Subtotal, R-2	919	52%	1,499	69%
3	Ponderosa pine (PIPO)	155	58%	38	38%
	Subtotal, R-3	155	58%	38	38%
4	Douglas-fir (PSME)	1,360	52%	435	44%
	Englemann spruce (PIEN)	506	78%	419	69%
	Lodgepole pine (PICO)	434	95%	497	66%
	Ponderosa pine (PIPO)	2,707	72%	4,810	53%
	Western larch (LAOC)	125	91%	117	75%
	Whitebark pine ( )	36	88%	0	0%
Subtotal, R-4	5,168	70%	6,278	55%	
5	Ponderosa pine (PIPO)	7,168	56%	7,666	69%
	Douglas-fir (PSME)	2,695	45%	4,481	54%
	Jeffrey pine (PIJE)	3,254	62%	4,438	57%
	Sugar pine (PILA)	2,313	57%	3,223	52%
	Incense-cedar (LIDE)	2,064	47%	2,775	39%
	White fir (ABCO)	1,163	38%	1,743	34%
	California red fir (ABMA)	859	37%	797	43%
	Giant sequoia (SEGI2)	328	0%	62	32%
	Lodgepole pine (PICO)	8	70%	0	0%
	Coulter pine (PICO3)	40	68%	21	36%
	Bigcone Douglas-fir (PSMA)	0	1%	0	0%
	Pinyon pine (PIMO2)	0	48%	5	4%
	Knobcone x Monterey (PIAT2)	0	0%	0	0%
	Western Sycamore (PLRA)	0	14%	0	0%
	California live oak (QUAGO)	10	95%	0	0%
	Port Oxford-cedar (CHLA)	0	0%	0	0%
	Canyon live oak (QUCH2)	10	63%	0	0%
	Shasta red fir (ABMAS)	89	33%	33	17%
	Cayon live oak (QUCHC2)	10	95%	0	0%
	Subtotal, R-5	20,011	52%	25,244	55%

## ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT

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TABLE 22

**PLANTATION SURVIVAL CHECKS**

Survival checks made after 2002 Growing Season

REGION	SPECIES (Species Code)	First Year Survival		Third Year Survival	
		Acres Sampled	Survival Percent	Acres Sampled	Survival Percent
6	Douglas-fir (PSME)	2,097	64%	3,568	64%
	Ponderosa pine (PIPO)	4,496	73%	12,062	61%
	Lodgepole pine (PICO)	491	63%	683	61%
	Western white pine (PIMO3)	1,255	75%	1,474	77%
	Spruces (all species)	714	51%	395	58%
	True firs (all species)	269	58%	882	38%
	Western larch (LAOC)	1,735	61%	2,575	59%
	Other species	425	62%	854	62%
	Subtotal, R-6	11,482	67%	22,493	61%
8	Shortleaf pine (PIEC2)	4,037	40%	2,118	53%
	Slash pine (PIEL)	36	92%	42	77%
	Longleaf pine (PIPA2)	3,533	74%	5,725	37%
	Pitch pine (PIRI)	57	92%	35	81%
	Eastern white pine (PIST)	65	83%	225	78%
	Loblolly pine (PITA)	697	84%	2,091	80%
	Black cherry (PRSE2)	40	81%	140	74%
	White oak (QUAL)	7	90%	0	0%
	Water oak (QUNI)	175	23%	0	0%
	Baldcypress (TADI2)	0	0%	47	0%
	Green ash (FRPE)	0	0%	42	0%
	Northern red oak (QURU)	129	89%	256	74%
	Subtotal, R-8	8,776	59%	10,721	51%
9	Red pine (PIRE)	1,750	75%	1,664	82%
	Jack pine (PIBA2)	1,596	76%	1,107	80%
	Eastern white pine (PIST)	2,904	79%	2,954	80%
	Shortleaf pine (PIEC2)	365	88%	265	86%
	Virginia pine (PIVI2)	11	91%	14	88%
	White spruce (PIGL)	198	89%	575	87%
	Northern red oak (QURU)	224	70%	427	76%
	White oak (QUAL)	42	72%	0	0%
	Chestnut oak (QUPR2)	13	100%	0	0%
	Bur oak (QUMA2)	13	70%	0	0%
	Pin oak (QUPA2)	0	0%	0	0%
	Eastern hemlock (TSCA)	145	74%	819	81%
	Tamarack (LALA)	35	88%	0	0%
	Black cherry (PRSE2)	63	99%	59	63%
	Yellow poplar (LITU)	0	0%	44	66%
	Red Maple (ACRUR)	0	0%	36	87%
	White ash (FRAM2)	17	75%	25	73%
	Green ash (FRPE)	22	87%	0	0%
	Baldcypress (TAD12)	232	60%	1,337	67%
Subtotal, R-9	7,630	77%	9,326	79%	
10	Alaska yellow cedar (CHNO)	29	93%	268	76%
	Sitka spruce (PISI)	15	99%	144	91%
	Western red cedar (THPL)	18	96%	36	91%
	White spruce (PIGL)	250	84%	0	0%
Subtotal, R-10	312	86%	448	82%	
ALL	National Total	58,867	63%	78,495	60%

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Table 1 - Reforestation needs as of October 1, 2003, by State, national forest, and cubic foot productivity class 1/

State, Commonwealth, or Territory 2/	Acres by site productivity class 3/				Total Acres
	0-49	50-84	85-119	120+	
National Forest					
Alabama					
NFs in Alabama (subtotal)	245	1,994	6,328	110	8,677
Alaska					
Chugach	0	2,306	0	0	2,306
Tongass	153	770	2,771	8,896	12,590
Subtotal	153	3,076	2,771	8,896	14,896
Arkansas					
Ouachita	162	472	8,876	1,072	10,582
Ozark-St. Francis	1,238	9,198	0	174	10,610
Subtotal	1,400	9,670	8,876	1,246	21,192
Arizona					
Apache-Sitgreaves	4,238	1,600	197	0	6,035
Coconino	3,736	3,003	0	0	6,739
Coronado	8	0	0	0	8
Kaibab	3,224	1,175	4	0	4,403
Prescott	89	84	0	0	173
Tonto	1,688	187	0	0	1,875
Subtotal	12,983	6,049	201	0	19,233
California					
Angeles	324	839	325	7	1,495
Cleveland	0	87	0	0	87
Eldorado	0	0	99	324	423
Huml/Toiyabe	23	25	0	0	48
Inyo	60	643	0	0	703
Klamath	238	1,170	538	625	2,571
Lake Tahoe Basin	0	47	727	435	1,209
Lassen	37	4,059	845	677	5,618
Los Padres	0	0	15	0	15
Mendocino	0	10,351	6,465	207	17,023
Modoc	0	2,151	2,416	66	4,633
Plumas	0	280	3,785	1,397	5,462
Rogue River	0	39	0	0	39
San Bernardino	346	389	1,429	0	2,164
Sequoia	52	150	749	1,148	2,099
Shasta/Trinity	0	3,781	151	560	4,492
Sierra	0	87	752	1,473	2,312
Siskiyou	0	0	0	0	0
Six Rivers	0	3	649	487	1,139
Stanislaus	811	7,974	14,612	4,309	27,706
Tahoe	81	243	1,886	1,550	3,760
Subtotal	1,972	32,318	35,443	13,265	82,998

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Table 1 - Reforestation needs as of October 1, 2003, by State, national forest, and cubic foot productivity class 1/

State, Commonwealth, or Territory 2/	Acres by site productivity class 3/				Total Acres
	0-49	50-84	85-119	120+	
National Forest					
Colorado					
Arapaho and Roosevelt	8,158	438	0	0	8,596
Grand Mesa, Uncompahgre, and Gunnison	5,726	1,945	140	0	7,811
Manti-La Sal	0	0	0	0	0
Medicine Bow and Routt	2,076	1,622	239	0	3,937
Pike and San Isabel	193	608	0	0	801
Rio Grande	1,181	377	151	0	1,709
San Juan	2,273	1,649	224	0	4,146
White River	664	130	97	8	899
Subtotal	20,271	6,769	851	8	27,899
Florida					
NFs in Florida (subtotal)	2,101	0	265	434	2,800
Georgia					
Chattahoochee/Oconee	0	208	8,640	1,978	10,826
Subtotal	0	208	8,640	1,978	10,826
Idaho					
Boise	4,090	29,745	6,483	2,235	42,553
Caribou/Targhee	500	4,950	39	56	5,545
Clearwater	1,007	262	476	951	2,696
Idaho Panhandle	3,439	1,586	2,591	1,170	8,786
Kootenai	0	0	0	0	0
Nez Perce	291	144	855	457	1,747
Payette	454	50	1,286	0	1,790
Salmon/Challis	3,758	303	0	0	4,061
Sawtooth	222	149	58	0	429
Subtotal	13,761	37,189	11,788	4,869	67,607
Illinois					
Shawnee (subtotal)	0	0	0	400	400
Indiana					
Hoosier (subtotal)	0	953	78	110	1,141
Kentucky					
Daniel Boone (subtotal)	0	56,811	64,487	628	121,926
Louisiana					
Kisatchie (subtotal)	0	3	4	3	10
Maine					
White Mountain (subtotal)	126	110	68	24	328
Michigan					
Hiawatha	5,169	4,327	818	23	10,337
Huron-Manistee	5,131	3,855	177	0	9,163
Ottawa	1,566	10,620	3,754	226	16,166
Subtotal	11,866	18,802	4,749	249	35,666



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Table 1 - Reforestation needs as of October 1, 2003, by State, national forest, and cubic foot productivity class 1/

State, Commonwealth, or Territory 2/	Acres by site productivity class 3/				Total Acres
	0-49	50-84	85-119	120+	
National Forest					
Minnesota					
Chippewa	225	632	643	35	1,535
Superior	1,046	132	597	63	1,838
Subtotal	1,271	764	1,240	98	3,373
Mississippi					
NFs in Mississippi (subtotal)	72	111	299	91	573
Missouri					
Mark Twain (subtotal)	1,010	16,912	62	17	18,001
Montana					
Beaverhead & Deerlodge	1,921	229	51	0	2,201
Bitterroot	27,414	13,857	5,607	661	47,539
Custer	19,196	785	10	0	19,991
Flathead	3,375	1,542	8,845	2,420	16,182
Gallatin	743	577	0	0	1,320
Helena	4,940	422	71	0	5,433
Kootenai	2,840	4,051	2,992	749	10,632
Lewis and Clark	988	341	15	0	1,344
Lolo	9,815	7,630	2,022	1,022	20,489
Subtotal	71,232	29,434	19,613	4,852	125,131
Nebraska					
Nebraska (subtotal)	0	0	0	0	0
Nevada					
Humboldt/Toiyabe	0	68	0	0	68
Inyo	0	0	0	0	0
Lake Tahoe Basin	0	0	2	620	622
Subtotal	0	68	2	620	690
New Hampshire					
White Mountain (subtotal)	1,891	5,998	3,388	1,147	12,424
New Mexico					
Carson	2,463	750	30	0	3,243
Cibola	0	0	0	0	0
Gila	1,288	803	62	0	2,153
Lincoln	13,186	10,540	109	0	23,835
Santa Fe	22,286	5,487	20	0	27,793
Subtotal	39,223	17,580	221	0	57,024
New York					
Green Mountain (subtotal)	2	0	11	8	21
North Carolina					
NFs in North Carolina (subtotal)	470	1,772	384	162	2,788
Ohio					
Wayne (subtotal)	188	141	770	1,139	2,238

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Table 1 - Reforestation needs as of October 1, 2003, by State, national forest, and cubic foot productivity class 1/

State, Commonwealth, or Territory 2/	Acres by site productivity class 3/				Total Acres
	0-49	50-84	85-119	120+	
National Forest					
Oklahoma					
Ouachita (subtotal)	221	240	119	284	864
Oregon					
Deschutes	14,911	8,000	10,966	0	33,877
Fremont	39,000	12,252	1,010	0	52,262
Klamath	0	0	20	38	58
Malheur	5,446	1,699	0	0	7,145
Mt. Hood	13	697	31	0	741
Ochoco	1,633	4,018	70	0	5,721
Rogue River	0	173	397	0	570
Siskiyou	57	214	4,187	582	5,040
Siuslaw	0	0	0	105	105
Umatilla	1,048	1,165	1,866	62	4,141
Umpqua	68	93	7,482	130	7,773
Wallowa-Whitman	746	6,306	97	30	7,179
Willamette	48	208	259	2,742	3,257
Winema	4,201	452	1,256	0	5,909
Subtotal	67,171	35,277	27,641	3,689	133,778
Pennsylvania					
Allegheny (subtotal)	374	3,323	2,335	634	6,666
Puerto Rico					
Caribbean (subtotal)	0	0	41	118	159
South Carolina					
Francis Marion and	0	0	0	0	0
Sumter (subtotal)	0	0	0	0	0
South Dakota					
Black Hills (subtotal)	32,560	4,181	0	22	36,763
Tennessee					
Cherokee (subtotal)	5	72	208	2,537	2,822
Texas					
NFs in Texas (subtotal)	0	7	3	96	106
Utah					
Ashley	4,675	0	0	0	4,675
Dixie	10,011	1,047	0	0	11,058
Fishlake	80	800	5	0	885
Manti-La Sal	21	1,827	19	0	1,867
Uinta	6	17	218	0	241
Wasatch-Cache	35	75	84	15	209
Subtotal	14,828	3,766	326	15	18,935

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Table 1 - Reforestation needs as of October 1, 2003, by State, national forest, and cubic foot productivity class 1/

State, Commonwealth, or Territory 2/	Acres by site productivity class 3/				Total Acres
	0-49	50-84	85-119	120+	
<b>National Forest</b>					
Vermont					
Green Mountain (subtotal)	11	1,013	349	107	1,480
Virginia					
Geo Wash & Jeff	527	1,504	20	393	2,444
Geo Wash & Jeff	456	2,506	422	206	3,590
Subtotal	983	4,010	442	599	6,034
Washington					
Colville	674	1,178	578	149	2,579
Gifford Pinchot	0	93	125	84	302
Idaho Panhandle	250	4	163	43	460
Mt. Baker-Snoqualmie	0	163	210	147	520
Okanogan	2,181	19	995	0	3,195
Olympic	0	0	0	0	0
Umatilla	381	453	71	124	1,029
Okanogan-Wenatchee	25	10,232	243	2,951	13,451
Subtotal	3,511	12,142	2,385	3,498	21,536
West Virginia					
Geo Wash & Jeff	142	25	10	149	326
Geo Wash & Jeff	0	0	0	0	0
Monongahela	38	121	386	299	844
Subtotal	180	146	396	448	1,170
Wisconsin					
Chequamegon/Nicolet	1,344	1,934	1,153	179	4,610
Chequamegon/Nicolet	524	2,385	729	279	3,917
Subtotal	1,868	4,319	1,882	458	8,527
Wyoming					
Bighorn	1,378	89	0	0	1,467
Black Hills	9,848	5,754	38	0	15,640
Bridger-Teton	0	0	522	0	522
Caribou/Targhee	0	0	0	0	0
Medicine Bow and Routt	2,290	317	0	0	2,607
Shoshone	222	489	4	0	715
Wasatch-Cache	411	0	0	0	411
Subtotal	14,149	6,649	564	0	21,362
<b>Total</b>	<b>316,098</b>	<b>321,877</b>	<b>207,230</b>	<b>52,859</b>	<b>898,064</b>

- 1/ Data source is Reforestation & TSI Needs Report (2400-K) Table 1. This information is required by the National Forest Management Act of 1976, Sec. 4(d)1.
- 2/ Unlisted States had no reforestation needs as of October 1, 2003.
- 3/ Site productivity class refers to the amount of wood produced in cubic feet per acre per year in a natural unmanaged stand.

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Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national forest, and cubic foot productivity class 1/

Region 1 2/	Acres by site productivity class 3/				Total Acres
	National Forest	0-49	50-84	85-119	
<b>Idaho</b>					
Clearwater	1,007	262	476	951	2,696
Idaho Panhandle	3,439	1,586	2,591	1,170	8,786
Kootenai	0	0	0	0	0
Nez Perce	291	144	855	457	1,747
Subtotal	4,737	1,992	3,922	2,578	13,229
<b>Montana</b>					
Beaverhead & Deerlodge	1,921	229	51	0	2,201
Bitterroot	27,414	13,857	5,607	661	47,539
Custer	19,196	785	10	0	19,991
Flathead	3,375	1,542	8,845	2,420	16,182
Gallatin	743	577	0	0	1,320
Helena	4,940	422	71	0	5,433
Kootenai	2,840	4,051	2,992	749	10,632
Lewis and Clark	988	341	15	0	1,344
Lolo	9,815	7,630	2,022	1,022	20,489
Subtotal	71,232	29,434	19,613	4,852	125,131
<b>South Dakota</b>					
Custer (subtotal)	0	0	0	0	0
<b>Washington</b>					
Idaho Panhandle	250	4	163	43	460
Subtotal	250	4	163	43	460
<b>Total</b>	<b>76,219</b>	<b>31,430</b>	<b>23,698</b>	<b>7,473</b>	<b>138,820</b>

1/ Data source is reforestation & TSI Needs Report (2400-K Table 1. This information is required by the National Forest Management Act Sec. 4(d)1.

2/ Unlisted States had no reforestation needs as of October 1, 2003.

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Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national forest, and cubic foot productivity class 1/

Region 2 2/	Acres by site productivity class 3/				Total Acres
	National Forest	0-49	50-84	85-119	
Colorado					
Arapaho and Roosevelt	8,158	438	0	0	8,596
Grand Mesa, Uncompahgre, and Gunnison	5,726	1,945	140	0	7,811
Manti-La Sal	0	0	0	0	0
Medicine Bow and Routt	2,076	1,622	239	0	3,937
Pike and San Isabel	193	608	0	0	801
Rio Grande	1,181	377	151	0	1,709
San Juan	2,273	1,649	224	0	4,146
White River	664	130	97	8	899
Subtotal	20,271	6,769	851	8	27,899
South Dakota					
Black Hills (subtotal)	32,560	4,181	0	22	36,763
Wyoming					
Bighorn	1,378	89	0	0	1,467
Black Hills	9,848	5,754	38	0	15,640
Medicine Bow and Routt	2,290	317	0	0	2,607
Shoshone	222	489	4	0	715
Subtotal	13,738	6,649	42	0	20,429
<b>Total</b>	<b>66,569</b>	<b>17,599</b>	<b>893</b>	<b>30</b>	<b>85,091</b>

1/ Data source is reforestation & TSI Needs Report (2400-K Table 1. This information is required by the National Forest Management Act of 1976, Sec. 4(d)1.

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Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national forest, and cubic foot productivity class 1/

Region 3 2/		Acres by site productivity class 3/				Total Acres
R-3	National Forest	0-49	50-84	85-119	120+	
Arizona						
	Apache-Sitgreaves	4,238	1,600	197	0	6,035
	Coconino	3,736	3,003	0	0	6,739
	Coronado	8	0	0	0	8
	Kaibab	3,224	1,175	4	0	4,403
	Prescott	89	84	0	0	173
	Tonto	1,688	187	0	0	1,875
	Subtotal	12,983	6,049	201	0	19,233
New Mexico						
	Carson	2,463	750	30	0	3,243
	Cibola	0	0	0	0	0
	Gila	1,288	803	62	0	2,153
	Lincoln	13,186	10,540	109	0	23,835
	Santa Fe	22,286	5,487	20	0	27,793
	Subtotal	39,223	17,580	221	0	57,024
	<b>Total</b>	<b>52,206</b>	<b>23,629</b>	<b>422</b>	<b>0</b>	<b>76,257</b>

1/ Data source is reforestation & TSI Needs Report (2400-K Table 1. This information is required by the National Forest Management Act of 1976, Sec. 4(d)1.

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Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national forest, and cubic foot productivity class 1/

Region 4 2/		Acres by site productivity class 3/				Total Acres
R-4	National Forest	0-49	50-84	85-119	120+	
California						
	Humlt/Toiyabe	23	25	0	0	48
Colorado						
	Manti-La Sal	0	0	0	0	0
	Subtotal	0	0	0	0	0
Nevada						
	Humboldt/Toiyabe	0	68	0	0	68
Idaho						
	Boise	4,090	29,745	6,483	2,235	42,553
	Caribou/Targhee	500	4,950	39	56	5,545
	Payette	454	50	1,286	0	1,790
	Salmon/Challis	3,758	303	0	0	4,061
	Sawtooth	222	149	58	0	429
	Subtotal	9,024	35,197	7,866	2,291	54,378
Utah						
	Ashley	4,675	0	0	0	4,675
	Dixie	10,011	1,047	0	0	11,058
	Fishlake	80	800	5	0	885
	Manti-La Sal	21	1,827	19	0	1,867
	Uinta	6	17	218	0	241
	Wasatch-Cache	35	75	84	15	209
	Subtotal	14,828	3,766	326	15	18,935
Wyoming						
	Bridger-Teton	0	0	522	0	522
	Caribou/Targhee	0	0	0	0	0
	Wasatch-Cache	411	0	0	0	411
	Subtotal	411	0	522	0	933
	<b>Total</b>	<b>24,286</b>	<b>39,056</b>	<b>8,714</b>	<b>2,306</b>	<b>74,362</b>

1/ Data source is reforestation & TSI Needs Report (2400-K Table 1. This information is required by the National Forest Manager Sec. 4(d)1.

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Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national forest, and cubic foot productivity class 1/

Region 5 2/		Acres by site productivity class 3/				Total Acres
		0-49	50-84	85-119	120+	
R-5	National Forest					
California						
	Angeles	324	839	325	7	1,495
	Cleveland	0	87	0	0	87
	Eldorado	0	0	99	324	423
	Inyo	60	643	0	0	703
	Klamath	238	1,170	538	625	2,571
	Lake Tahoe Basin	0	47	727	435	1,209
	Lassen	37	4,059	845	677	5,618
	Los Padres	0	0	15	0	15
	Mendocino	0	10,351	6,465	207	17,023
	Modoc	0	2,151	2,416	66	4,633
	Plumas	0	280	3,785	1,397	5,462
	San Bernardino	346	389	1,429	0	2,164
	Sequoia	52	150	749	1,148	2,099
	Shasta/Trinity	0	3,781	151	560	4,492
	Sierra	0	87	752	1,473	2,312
	Six Rivers	0	3	649	487	1,139
	Stanislaus	811	7,974	14,612	4,309	27,706
	Tahoe	81	243	1,886	1,550	3,760
	Subtotal	1,949	32,254	35,443	13,265	82,911
Nevada						
	Inyo	0	0	0	0	0
	Lake Tahoe Basin	0	0	2	620	622
	Subtotal	0	0	2	620	622
Oregon						
	Klamath	0	0	20	38	58
	Subtotal	0	0	20	38	58
	<b>Total</b>	<b>1,949</b>	<b>32,254</b>	<b>35,465</b>	<b>13,923</b>	<b>83,591</b>

1/ Data source is reforestation & TSI Needs Report (2400-K Table 1. This information is required by the National Forest Management Sec. 4(d)1.

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Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national forest, and cubic foot productivity class 1/

Region 6 2/	Acres by site productivity class 3/				Total Acres	
	National Forest	0-49	50-84	85-119		120+
California						
Rogue River		0	39	0	0	39
Siskiyou		0	0	0	0	0
Subtotal		0	39	0	0	39
Oregon						
Deschutes		14,911	8,000	10,966	0	33,877
Fremont		39,000	12,252	1,010	0	52,262
Malheur		5,446	1,699	0	0	7,145
Mt. Hood		13	697	31	0	741
Ochoco		1,633	4,018	70	0	5,721
Rogue River		0	173	397	0	570
Siskiyou		57	214	4,187	582	5,040
Siuslaw		0	0	0	105	105
Umatilla		1,048	1,165	1,866	62	4,141
Umpqua		68	93	7,482	130	7,773
Wallowa-Whitman		746	6,306	97	30	7,179
Willamette		48	208	259	2,742	3,257
Winema		4,201	452	1,256	0	5,909
Subtotal		67,171	35,277	27,621	3,651	133,720
Washington						
Colville		674	1,178	578	149	2,579
Gifford Pinchot		0	93	125	84	302
Mt. Baker-Snoqualmie		0	163	210	147	520
Okanogan		2,181	19	995	0	3,195
Olympic		0	0	0	0	0
Umatilla		381	453	71	124	1,029
Okanogan-Wenatchee		25	10,232	243	2,951	13,451
Subtotal		3,261	12,138	2,222	3,455	21,076
<b>Total</b>		<b>70,432</b>	<b>47,454</b>	<b>29,843</b>	<b>7,106</b>	<b>154,835</b>

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Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national forest, and cubic foot productivity class 1/

Region 8 2/	Acres by site productivity class 3/				Total Acres
	National Forest	0-49	50-84	85-119	
Alabama					
NFs in Alabama (subtotal)	245	1,994	6,328	110	8,677
Arkansas					
Ouachita	162	472	8,876	1,072	10,582
Ozark-St. Francis	1,238	9,198	0	174	10,610
Subtotal	1,400	9,670	8,876	1,246	21,192
Florida					
NFs in Florida (subtotal)	2,101	0	265	434	2,800
Georgia					
Chattahoochee/Oconee	0	208	8,640	1,978	10,826
Subtotal	0	208	8,640	1,978	10,826
Kentucky					
Daniel Boone (subtotal)	0	56,811	64,487	628	121,926
Louisiana					
Kisatchie (subtotal)	0	3	4	3	10
Mississippi					
NFs in Mississippi (subtotal)	72	111	299	91	573
North Carolina					
NFs in North Carolina (subtot)	470	1,772	384	162	2,788
Oklahoma					
Ouachita (subtotal)	221	240	119	284	864
Puerto Rico					
Caribbean (subtotal)	0	0	41	118	159
South Carolina					
Francis Marion and	0	0	0	0	0
Sumter (subtotal)	0	0	0	0	0
Tennessee					
Cherokee (subtotal)	5	72	208	2,537	2,822

Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national Forest, and cubic foot productivity class 1/

Region 8 2/	Acres by site productivity class 3/				Total Acres
	National Forest	0-49	50-84	85-119	
Texas					
NFs in Texas (subtotal)	0	7	3	96	106
Virginia					
Geo Wash & Jeff	527	1,504	20	393	2,444
Geo Wash & Jeff	456	2,506	422	206	3,590

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Subtotal	983	4,010	442	599	6,034
West Virginia					
Geo Wash & Jeff	142	25	10	149	326
Geo Wash & Jeff	0	0	0	0	0
Subtotal	142	25	10	149	326
<b>Total</b>	<b>5,639</b>	<b>74,923</b>	<b>90,106</b>	<b>8,435</b>	<b>179,103</b>

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Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national forest, and cubic foot productivity class 1/

Region 9 2/	Acres by site productivity class 3/				Total Acres
	National Forest	0-49	50-84	85-119	
Illinois					
Shawnee (subtotal)	0	0	0	400	400
Indiana					
Hoosier (subtotal)	0	953	78	110	1,141
Maine					
White Mountain (subtotal)	126	110	68	24	328
Michigan					
Hiawatha	5,169	4,327	818	23	10,337
Huron-Manistee	5,131	3,855	177	0	9,163
Ottawa	1,566	10,620	3,754	226	16,166
Subtotal	11,866	18,802	4,749	249	35,666
Minnesota					
Chippewa	225	632	643	35	1,535
Superior	1,046	132	597	63	1,838
Subtotal	1,271	764	1,240	98	3,373
Missouri					
Mark Twain (subtotal)	1,010	16,912	62	17	18,001
New Hampshire					
White Mountain (subtotal)	1,891	5,998	3,388	1,147	12,424
New York					
Green Mountain (subtotal)	2	0	11	8	21
Ohio					
Wayne (subtotal)	188	141	770	1,139	2,238
Pennsylvania					
Allegheny (subtotal)	374	3,323	2,335	634	6,666
Vermont					
Green Mountain (subtotal)	11	1,013	349	107	1,480

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Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national Forest, and cubic foot productivity class 1/

Region 9 2/	Acres by site productivity class 3/				Total Acres
	National Forest	0-49	50-84	85-119	
West Virginia					
Monongahela	38	121	386	299	844
Subtotal	38	121	386	299	844
Wisconsin					
Chequamegon/Nicolet	1,344	1,934	1,153	179	4,610
Chequamegon/Nicolet	524	2,385	729	279	3,917
Subtotal	1,868	4,319	1,882	458	8,527
<b>Total</b>	<b>18,645</b>	<b>52,456</b>	<b>15,318</b>	<b>4,690</b>	<b>91,109</b>

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Table 1 - Reforestation needs as of October 1, 2003, by Region, State, national forest, and cubic foot productivity class 1/

Region 10 2/	Acres by site productivity class 3/				<b>Total Acres</b>
National Forest	0-49	50-84	85-119	120+	
Alaska					
Chugach	0	2,306	0	0	2,306
Tongass	153	770	2,771	8,896	12,590
<b>Total</b>	<b>153</b>	<b>3,076</b>	<b>2,771</b>	<b>8,896</b>	<b>14,896</b>

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Table 2 - Reforestation needs as of October 1, 2003, by Region, and cubic foot productivity class 1/

Region	Acres by site productivity class 3/				Total Acres
	0-49	50-84	85-119	120+	
Northern	76,219	31,430	23,698	7,473	138,820
Rocky Mountain	66,569	17,599	893	30	85,091
Southwestern	52,206	23,629	422	0	76,257
Intermountain	24,286	39,056	8,714	2,306	74,362
Pacific Southwest	1,949	32,254	35,465	13,923	83,591
Pacific Northwest	70,432	47,454	29,843	7,106	154,835
Southern	5,639	74,923	90,106	8,435	179,103
Eastern	18,645	52,456	15,318	4,690	91,109
Alaska	153	3,076	2,771	8,896	14,896
<b>TOTAL</b>	<b>316,098</b>	<b>321,877</b>	<b>207,230</b>	<b>52,859</b>	<b>898,064</b>

1/ Data source is reforestation & TSI Needs Report (2400-K Table 1. This information is required by the National Forest Management Act of 1976, Sec. 4(d)1.

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Table 3 - Timber stand improvement needs as of October 1, 2003, by State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory	Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+	Total acres				
Alabama									
NFs in Alabama (subtotal)	592	3,712	1,569	325	6,198	4,656	1,542	0	0
Alaska					0	0			
Chugach	0	13	374	0	387	13	374	0	0
Tongass	1,392	778	3,259	17,724	23,153	0	22,727	0	426
Subtotal	1,392	791	3,633	17,724	23,540	13	23,101	0	426
Arizona									
Apache-Sitgreaves	17,109	3,168	112	0	20,389	144	20,245	0	0
Coconino	12,635	1,260	0	0	13,895	1,560	12,335	0	0
Coronado	6	64	0	0	70	0	70	0	0
Kaibab	35,505	13,256	999	0	49,760	0	49,760	0	0
Prescott	56	0	0	0	56	56	0	0	0
Tonto	5,787	1,701	31	0	7,519	6,974	545	0	0
Subtotal	71,098	19,449	1,142	0	91,689	8,734	82,955	0	0
Arkansas									
Ouachita	27	1,286	3,213	541	5,067	3,730	1,337	0	0
Ozark-St. Francis	90	5,102	292	101	5,585	633	4,952	0	0
Subtotal	117	6,388	3,505	642	10,652	4,363	6,289	0	0
California									
Angeles	554	2,170	877	0	3,601	1,467	1,062	0	1,072
Cleveland	0	687	0	0	687	422	181	0	84
Eldorado	0	99	1,259	2,627	3,985	696	2,665	0	624
Humboldt/Toiyabe	682	1,213	30	90	2,015	0	2,015	0	0
Inyo	6	1,473	0	0	1,479	19	1,460	0	0
Klamath	1,029	16,335	17,189	10,504	45,057	14,485	30,527	36	9
Lake Tahoe Basin	800	2,329	3,221	369	6,719	3,635	3,084	0	0
Lassen	2,956	18,759	12,795	981	35,491	3,200	32,291	0	0
Los Padres	0	209	30	0	239	143	71	0	25
Mendocino	0	13,414	9,272	20,902	43,588	19,018	21,460	3,107	3
Modoc	52	9,904	4,351	499	14,806	7,789	6,275	727	15



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Table 3 - Timber stand improvement needs as of October 1, 2003, by State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory	Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+	Total acres				
California (cont.)									
Plumas	8	2,613	11,677	9,127	23,425	5,280	18,139	0	6
Rogue River	0	107	0	0	107	107	0	0	0
San Bernardino	246	2,526	92	66	2,930	1,195	1,700	0	35
Sequoia	156	1,310	3,779	9,405	14,650	6,127	7,453	672	398
Shasta/Trinity	228	5,546	7,605	5,579	18,958	4,983	13,568	6	401
Sierra	117	1,417	7,058	12,992	21,584	9,930	11,228	0	426
Siskiyou	0	0	1,534	0	1,534	680	655	199	0
Six Rivers	0	256	4,587	5,515	10,358	6,536	3,822	0	0
Stanislaus	45	3,987	24,562	4,796	33,390	23,076	10,314	0	0
Tahoe	6,689	9,325	20,627	20,130	56,771	27,218	29,248	275	30
Subtotal	13,568	93,679	130,545	103,582	341,374	136,006	197,218	5,022	3,128
Colorado									
Arapaho and Roosevelt	5,710	162	0	0	5,872	1,358	4,514	0	0
Grand Mesa/ Uncompahgre/Gunnison	4,340	631	0	0	4,971	1,227	3,744	0	0
Manti-La Sal	10	114	95	0	219	0	219	0	0
Medicine Bow and Routt	8,071	1,682	50	0	9,803	2,796	7,007	0	0
Pike and San Isabel	687	0	0	0	687	267	420	0	0
Rio Grande	379	208	0	0	587	413	174	0	0
San Juan	1,827	1,064	0	0	2,891	2,721	170	0	0
White River	167	1,397	354	0	1,918	1,515	403	0	0
Subtotal	21,191	5,258	499	0	26,948	10,297	16,651	0	0
Florida									
NFs in Florida (subtotal)	788	192	422	41	1,443	191	192	1,060	0
Georgia									
Chattahoochee-Oconee (subtotal)	0	322	4,423	2,581	7,326	2,032	4,194	1,100	0
Idaho									
Boise	2,390	9,029	7,390	1,622	20,431	1,701	18,730	0	0
Caribou/Targhee	0	149	47	0	196	19	177	0	0
Caribou/Targhee	3,225	4,471	0	0	7,696	4	7,692	0	0

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Table 3 - Timber stand improvement needs as of October 1, 2003, by State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory	Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+	Total acres				
Idaho (cont.)									
Clearwater	1,338	834	1,411	2,697	6,280	365	4,694	0	1,221
Idaho Panhandle	47,378	10,888	55,825	47,185	161,276	5,655	110,744	1,675	43,202
Kootenai	46	6	26	35	113	0	113	0	0
Nez Perce	866	1,364	6,324	4,228	12,782	429	12,353	0	0
Payette	387	762	2,569	22	3,740	1,142	2,598	0	0
Salmon/Challis	6,656	914	0	0	7,570	4,254	3,316	0	0
Salmon/Challis	5,309	666	231	0	6,206	5,359	847	0	0
Sawtooth	407	24	0	0	431	152	279	0	0
Subtotal	68,002	29,107	73,823	55,789	226,721	19,080	161,543	1,675	44,423
Illinois									
Shawnee (subtotal)	0	50	453	0	503	450	0	0	53
Indiana									
Hoosier (subtotal)	0	450	150	0	600	600	0	0	0
Kentucky									
Daniel Boone (subtotal)	24	0	2,735	364	3,123	376	2,715	0	32
Louisiana									
Kisatchie (subtotal)	0	1,185	2,910	3,753	7,848	4,134	3,714	0	0
Maine									
White Mountain (subtotal)	6	36	15	13	70	11	59	0	0
Michigan									
Hiawatha	572	4,179	3,147	0	7,898	2,437	611	0	4,850
Huron-Manistee	1,201	1,704	233	0	3,138	695	2,443	0	0
Huron-Manistee	0	162	46	0	208	0	149	0	59
Ottawa	176	896	660	41	1,773	1,773	0	0	0
Subtotal	1,949	6,941	4,086	41	13,017	4,905	3,203	0	4,909
Minnesota									
Chippewa	652	7,528	3,213	112	11,505	1,214	0	0	10,291
Superior	2,280	2,143	1,491	533	6,447	6,023	85	0	339
Subtotal	2,932	9,671	4,704	645	17,952	7,237	85	0	10,630
Mississippi									
NFs in Mississippi (subtotal)	366	333	6,290	2,760	9,749	8,019	1,452	278	0

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Table 3 - Timber stand improvement needs as of October 1, 2003, by State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory	Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal	
	National Forest	0-49	50-84	85-119	120+					Total acres
Missouri										
Mark Twain (subtotal)		0	7,998	166	0	8,164	50	8,039	0	75
Montana										
Beaverhead & Deerlodge		20,501	12,491	976	116	34,084	113	33,971	0	0
Bitterroot		4,362	8,750	4,007	199	17,318	2,359	14,959	0	0
Custer		2,717	158	56	0	2,931	110	2,821	0	0
Flathead		15,555	11,164	38,282	6,775	71,776	521	69,926	0	1,329
Gallatin		1,489	5,252	0	0	6,741	188	6,553	0	0
Helena		839	537	264	70	1,710	36	1,643	31	0
Idaho Panhandle		10	0	214	353	577	0	577	0	0
Kootenai		10,165	51,647	60,310	1,688	123,810	82	120,758	0	2,970
Lewis and Clark		4,722	1,568	697	6	6,993	57	6,936	0	0
Lolo		10,325	24,088	11,759	2,258	48,430	460	47,963	0	7
Subtotal		70,685	115,655	116,565	11,465	314,370	3,926	306,107	31	4,306
Nebraska										
Nebraska (subtotal)		0	0	0	0	0	0	0	0	0
Nevada										
Humboldt/Toiyabe		0	0	0	0	0	0	0	0	0
Humboldt/Toiyabe		2	185	0	0	187	0	187	0	0
Inyo		0	0	0	0	0	0	0	0	0
Lake Tahoe Basin		0	0	0	195	195	0	195	0	0
Subtotal		2	185	0	195	382	0	382	0	0
New Hampshire										
White Mountain (subtotal)		182	363	86	9	640	384	256	0	0
New Mexico										
Carson		4,572	1,856	141	0	6,569	656	5,913	0	0
Cibola		598	0	0	0	598	0	598	0	0
Gila		2,884	536	0	0	3,420	0	3,420	0	0
Lincoln		2,069	2,881	250	68	5,268	1,081	4,187	0	0
Santa Fe		8,825	628	0	0	9,453	489	8,964	0	0
Subtotal		18,948	5,901	391	68	25,308	2,226	23,082	0	0
New York										
Green Mountain (subtotal)		0	41	653	0	694	57	637	0	0

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Table 3 - Timber stand improvement needs as of October 1, 2003, by State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory	Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+	Total acres				
North Carolina									
NFs in North Carolina (subtotal)	454	2,182	650	2,875	6,161	3,880	1,686	595	0
Ohio									
Wayne (subtotal)	26	371	627	2,598	3,622	992	1,292	0	1,338
Oklahoma									
Ouachita (subtotal)	0	382	246	688	1,316	1,069	247	0	0
Oregon									
Deschutes	63,932	30,411	1,445	911	96,699	7,235	84,016	89	5,359
Fremont-Winema	18,775	25,889	11	0	44,675	1,921	42,754	0	0
Klamath	12	187	302	564	1,065	361	704	0	0
Malheur	2,979	1,568	0	0	4,547	564	3,983	0	0
Mt. Hood	0	13,198	7,243	506	20,947	0	12,306	8,491	150
Ochoco	24,819	15,953	12	0	40,784	568	39,866	0	350
Rogue River	0	3,117	20,721	689	24,527	3,689	15,749	223	4,866
Siskiyou	0	443	14,781	2,513	17,737	1,983	3,156	6,127	6,471
Siuslaw	0	0	0	30,340	30,340	532	29,691	0	117
Umatilla	4,701	9,624	4,834	577	19,736	694	18,983	0	59
Umpqua	0	6,488	17,467	4,083	28,038	766	23,517	0	3,755
Wallowa-Whitman	12,058	55,962	4,009	0	72,029	8,025	63,058	0	946
Willamette	81	6,431	69,232	96,135	171,879	10,541	30,725	90,773	39,840
Winema	19,253	7,959	5,550	0	32,762	937	31,555	0	270
Subtotal	146,610	177,230	145,607	136,318	605,765	37,816	400,063	105,703	62,183
Pennsylvania									
Allegheny (subtotal)	74	593	740	511	1,918	1,918	0	0	0
Puerto Rico									
Caribbean (subtotal)	0	300	798	0	1,098	498	600	0	0
South Carolina									
Francis Marion and Sumter (subtotal)	0	0	0	0	0	0	0	0	0
South Dakota									
Black Hills (subtotal)	2,883	226	0	0	3,109	0	3,109	0	0
Tennessee									
Cherokee (subtotal)	11	744	17	1,564	2,336	1,483	853	0	0
Texas									
NFs in Texas (subtotal)	0	694	1,860	2,173	4,727	4,527	200	0	0

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Table 3 - Timber stand improvement needs as of October 1, 2003, by State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory	Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	National Forest	0-49	50-84	85-119	120+				
Utah									
Ashley		10,035	0	0	0	10,035	0	10,035	0
Dixie		4,627	1,206	0	0	5,833	1,155	4,678	0
Fishlake		565	761	0	0	1,326	1,326	0	0
Manti-La Sal		0	247	1,331	200	1,778	0	1,698	0
Uinta		0	23	45	0	68	45	23	0
Wasatch-Cache		171	526	0	0	697	146	551	0
Subtotal		15,398	2,763	1,376	200	19,737	2,672	16,985	0
Vermont									
Green Mountain (subtotal)		667	771	165	0	1,603	332	1,269	0
Virginia						0			
Geo Wash & Jeff		170	2,110	50	885	3,215	2,019	1,196	0
Geo Wash & Jeff		106	9,101	1,264	1,258	11,729	2,422	9,184	0
Subtotal		276	11,211	1,314	2,143	14,944	4,441	10,380	0
Washington									
Colville		487	4,837	7,792	1,673	14,789	1,642	12,210	0
Gifford Pinchot		0	25,150	38,927	11,704	75,781	98	61,036	11,436
Idaho Panhandle		1,155	417	6,678	2,979	11,229	161	9,906	0
Mt. Baker-Snoqualmie		0	18	1,968	1,602	3,588	162	1,644	1,488
Okanogan		35,326	4,830	769	0	40,925	3,564	36,074	0
Olympic		0	0	11,655	2,885	14,540	0	14,465	0
Umatilla		622	3,584	30	97	4,333	100	3,967	0
Wenatchee		1,136	147,797	14,860	17,604	181,397	4,177	130,124	5,915
Subtotal		38,726	186,633	82,679	38,544	346,582	9,904	269,426	18,839
West Virginia									
Geo Wash & Jeff		202	820	0	184	1,206	1,183	23	0
Geo Wash & Jeff		0	0	0	160	160	0	160	0
Monongahela		41	343	210	169	763	233	530	0
Subtotal		243	1,163	210	513	2,129	1,416	713	0
Wisconsin									
Chequamegon/Nicolet		0	387	307	0	694	694	0	0
Chequamegon/Nicolet		117	233	52	0	402	402	0	0
Subtotal		117	620	359	0	1,096	1,096	0	0

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Table 3 - Timber stand improvement needs as of October 1, 2003, by State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory	Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+	Total acres				
Wyoming									
Bighorn	9,241	362	0	0	9,603	2,683	6,920	0	0
Black Hills	688	322	0	0	1,010	0	1,010	0	0
Bridger-Teton	0	36	526	0	562	0	562	0	0
Caribou/Targhee	43	98	0	0	141	0	141	0	0
Medicine Bow and Routt	6,848	162	13	0	7,023	414	6,609	0	0
Shoshone	3,223	384	0	0	3,607	153	3,454	0	0
Wasatch-Cache	232	27	0	0	259	0	259	0	0
Subtotal	20,275	1,391	539	0	22,205	3,250	18,955	0	0
<b>Total</b>	<b>497,602</b>	<b>694,981</b>	<b>595,952</b>	<b>388,124</b>	<b>2,176,659</b>	<b>293,041</b>	<b>1,569,194</b>	<b>134,303</b>	<b>180,209</b>

1/ Data source is Refor. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec.4d(1).

2/ Unlisted States had no TSI needs as of October 1, 2003.

3/ Cubic foot productivity class refers to the cubic feet of wood produced per acre per year in a natural unmanaged stand.

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Table 4 - Timber stand improvement needs as of October 1, 2003, by Region, cubic foot productivity class, and type of treatment 1/

Region	Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+	Total acres				
Northern (R-1)	121,468	129,164	186,829	68,589	506,050	10,536	443,917	1,706	49,891
Rocky Mountain (R-2)	44,064	6,600	417	0	51,081	13,547	37,534	0	0
Southwestern (R-3)	90,046	25,350	1,533	68	116,997	10,960	106,037	0	0
Intermountain (R-4)	34,741	20,451	12,264	1,934	69,390	15,303	54,007	0	80
Pacific Southwest (R-5)	12,898	92,546	129,283	104,251	338,978	135,580	195,447	4,823	3,128
Pacific Northwest (R-6)	184,169	363,454	222,840	171,319	941,782	47,985	659,534	124,741	109,522
Southern (R-8)	2,830	28,465	26,739	20,253	78,287	40,852	34,247	3,033	155
Eastern (R-9)	5,994	28,248	12,414	3,986	50,642	18,265	15,370	0	17,007
Alaska (R-10)	1,392	791	3,633	17,724	23,540	13	23,101	0	426
<b>TOTAL</b>	<b>497,602</b>	<b>695,069</b>	<b>595,952</b>	<b>388,124</b>	<b>2,176,747</b>	<b>293,041</b>	<b>1,569,194</b>	<b>134,303</b>	<b>180,209</b>

1/ Data source is Ref. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec. 4d(1).

2/ Cubic foot productivity class refers to the cubic feet of wood produced per acre per year in a natural unmanaged stand.

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Table 4 - Timber stand improvement needs as of October 1, 2003, by Region, State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory		Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
R-1	National Forest	0-49	50-84	85-119	120+	Total acres				
Idaho										
	Clearwater	1,338	834	1,411	2,697	6,280	365	4,694	0	1,221
	Idaho Panhandle	47,378	10,888	55,825	47,185	161,276	5,655	110,744	1,675	43,202
	Kootenai	46	6	26	35	113	0	113	0	0
	Nez Perce	866	1,364	6,324	4,228	12,782	429	12,353	0	0
	Subtotal	49,628	13,092	63,586	54,145	180,451	6,449	127,904	1,675	44,423
Montana										
	Beaverhead & Deerlodge	20,501	12,491	976	116	34,084	113	33,971	0	0
	Bitterroot	4,362	8,750	4,007	199	17,318	2,359	14,959	0	0
	Custer	2,717	158	56	0	2,931	110	2,821	0	0
	Flathead	15,555	11,164	38,282	6,775	71,776	521	69,926	0	1,329
	Gallatin	1,489	5,252	0	0	6,741	188	6,553	0	0
	Helena	839	537	264	70	1,710	36	1,643	31	0
	Idaho Panhandle	10	0	214	353	577	0	577	0	0
	Kootenai	10,165	51,647	60,310	1,688	123,810	82	120,758	0	2,970
	Lewis and Clark	4,722	1,568	697	6	6,993	57	6,936	0	0
	Lolo	10,325	24,088	11,759	2,258	48,430	460	47,963	0	7
	Subtotal	70,685	115,655	116,565	11,465	314,370	3,926	306,107	31	4,306
Washington										
	Idaho Panhandle	1,155	417	6,678	2,979	11,229	161	9,906	0	1,162
	Subtotal	1,155	417	6,678	2,979	11,229	161	9,906	0	1,162
	<b>Total</b>	<b>121,468</b>	<b>129,164</b>	<b>186,829</b>	<b>68,589</b>	<b>506,050</b>	<b>10,536</b>	<b>443,917</b>	<b>1,706</b>	<b>49,891</b>

1/ Data source is Ref. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec. 4d(1).

2/ Cubic foot productivity class refers to the cubic feet of wood produced per acre per year in a natural unmanaged stand.



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Table 4 - Timber stand improvement needs as of October 1, 2003, by Region, State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory		Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
R-2	National Forest	0-49	50-84	85-119	120+	Total acres				
Colorado										
	Arapaho and Roosevelt	5,710	162	0	0	5,872	1,358	4,514	0	0
	Grand Mesa/ Uncompahgre/Gunnison	4,340	631	0	0	4,971	1,227	3,744	0	0
	Medicine Bow and Routt	8,071	1,682	50	0	9,803	2,796	7,007	0	0
	Pike and San Isabel	687	0	0	0	687	267	420	0	0
	Rio Grande	379	208	0	0	587	413	174	0	0
	San Juan	1,827	1,064	0	0	2,891	2,721	170	0	0
	White River	167	1,397	354	0	1,918	1,515	403	0	0
	Subtotal	21,181	5,144	404	0	26,729	10,297	16,432	0	0
South Dakota										
	Black Hills (subtotal)	2,883	226	0	0	3,109	0	3,109	0	0
Wyoming										
	Bighorn	9,241	362	0	0	9,603	2,683	6,920	0	0
	Black Hills	688	322	0	0	1,010	0	1,010	0	0
	Medicine Bow and Routt	6,848	162	13	0	7,023	414	6,609	0	0
	Shoshone	3,223	384	0	0	3,607	153	3,454	0	0
	Subtotal	20,000	1,230	13	0	21,243	3,250	17,993	0	0
	<b>Total</b>	<b>44,064</b>	<b>6,600</b>	<b>417</b>	<b>0</b>	<b>51,081</b>	<b>13,547</b>	<b>37,534</b>	<b>0</b>	<b>0</b>

1/ Data source is Ref. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec. 4d(1).

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State, Commonwealth, or Territory		Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
R-3	National Forest	0-49	50-84	85-119	120+	Total acres				
Arizona										
	Apache-Sitgreaves	17,109	3,168	112	0	20,389	144	20,245	0	0
	Coconino	12,635	1,260	0	0	13,895	1,560	12,335	0	0
	Coronado	6	64	0	0	70	0	70	0	0
	Kaibab	35,505	13,256	999	0	49,760	0	49,760	0	0
	Prescott	56	0	0	0	56	56	0	0	0
	Tonto	5,787	1,701	31	0	7,519	6,974	545	0	0
	Subtotal	71,098	19,449	1,142	0	91,689	8,734	82,955	0	0
New Mexico										
	Carson	4,572	1,856	141	0	6,569	656	5,913	0	0
	Cibola	598	0	0	0	598	0	598	0	0
	Gila	2,884	536	0	0	3,420	0	3,420	0	0
	Lincoln	2,069	2,881	250	68	5,268	1,081	4,187	0	0
	Santa Fe	8,825	628	0	0	9,453	489	8,964	0	0
	Subtotal	18,948	5,901	391	68	25,308	2,226	23,082	0	0
	<b>Total</b>	<b>90,046</b>	<b>25,350</b>	<b>1,533</b>	<b>68</b>	<b>116,997</b>	<b>10,960</b>	<b>106,037</b>	<b>0</b>	<b>0</b>

1/ Data source is Ref. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec. 4d(1).

2/ Cubic foot productivity class refers to the cubic feet of wood produced per acre per year in a natural unmanaged stand.

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Table 4 - Timber stand improvement needs as of October 1, 2003, by Region, State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory		Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
R-4	National Forest	0-49	50-84	85-119	120+	Total acres				
California										
	Humboldt/Toiyabe	682	1,213	30	90	2,015	0	2,015	0	0
	Subtotal	682	1,213	30	90	2,015	0	2,015	0	0
Colorado										
	Manti-La Sal	10	114	95	0	219	0	219	0	0
	Subtotal	10	114	95	0	219	0	219	0	0
Idaho										
	Boise	2,390	9,029	7,390	1,622	20,431	1,701	18,730	0	0
	Caribou/Targhee	0	149	47	0	196	19	177	0	0
	Caribou/Targhee	3,225	4,471	0	0	7,696	4	7,692	0	0
	Payette	387	762	2,569	22	3,740	1,142	2,598	0	0
	Salmon/Challis	6,656	914	0	0	7,570	4,254	3,316	0	0
	Salmon/Challis	5,309	666	231	0	6,206	5,359	847	0	0
	Sawtooth	407	24	0	0	431	152	279	0	0
	Subtotal	18,374	16,015	10,237	1,644	46,270	12,631	33,639	0	0
Nevada										
	Humboldt/Toiyabe	0	0	0	0	0	0	0	0	0
	Humboldt/Toiyabe	2	185	0	0	187	0	187	0	0
	Subtotal	2	185	0	0	187	0	187	0	0
Utah										
	Ashley	10,035	0	0	0	10,035	0	10,035	0	0
	Dixie	4,627	1,206	0	0	5,833	1,155	4,678	0	0
	Fishlake	565	761	0	0	1,326	1,326	0	0	0
	Manti-La Sal	0	247	1,331	200	1,778	0	1,698	0	80
	Uinta	0	23	45	0	68	45	23	0	0
	Wasatch-Cache	171	526	0	0	697	146	551	0	0
	Subtotal	15,398	2,763	1,376	200	19,737	2,672	16,985	0	80
Wyoming										
	Bridger-Teton	0	36	526	0	562	0	562	0	0
	Caribou/Targhee	43	98	0	0	141	0	141	0	0
	Wasatch-Cache	232	27	0	0	259	0	259	0	0
	Subtotal	275	161	526	0	962	0	962	0	0
	<b>Total</b>	<b>34,741</b>	<b>20,451</b>	<b>12,264</b>	<b>1,934</b>	<b>69,390</b>	<b>15,303</b>	<b>54,007</b>	<b>0</b>	<b>80</b>

1/ Data source is Ref. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec. 4d(1).

2/ Cubic foot productivity class refers to the cubic feet of wood produced per acre per year in a natural unmanaged stand.

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Table 4 - Timber stand improvement needs as of October 1, 2003, by Region, State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory		Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
R-5	National Forest	0-49	50-84	85-119	120+	Total acres				
California										
	Angeles	554	2,170	877	0	3,601	1,467	1,062	0	1,072
	Cleveland	0	687	0	0	687	422	181	0	84
	Eldorado	0	99	1,259	2,627	3,985	696	2,665	0	624
	Inyo	6	1,473	0	0	1,479	19	1,460	0	0
	Klamath	1,029	16,335	17,189	10,504	45,057	14,485	30,527	36	9
	Lake Tahoe Basin	800	2,329	3,221	369	6,719	3,635	3,084	0	0
	Lassen	2,956	18,759	12,795	981	35,491	3,200	32,291	0	0
	Los Padres	0	209	30	0	239	143	71	0	25
	Mendocino	0	13,414	9,272	20,902	43,588	19,018	21,460	3,107	3
	Modoc	52	9,904	4,351	499	14,806	7,789	6,275	727	15
	Plumas	8	2,613	11,677	9,127	23,425	5,280	18,139	0	6
	San Bernardino	246	2,526	92	66	2,930	1,195	1,700	0	35
	Sequoia	156	1,310	3,779	9,405	14,650	6,127	7,453	672	398
	Shasta/Trinity	228	5,546	7,605	5,579	18,958	4,983	13,568	6	401
	Sierra	117	1,417	7,058	12,992	21,584	9,930	11,228	0	426
	Six Rivers	0	256	4,587	5,515	10,358	6,536	3,822	0	0
	Stanislaus	45	3,987	24,562	4,796	33,390	23,076	10,314	0	0
	Tahoe	6,689	9,325	20,627	20,130	56,771	27,218	29,248	275	30
	Subtotal	12,886	92,359	128,981	103,492	337,718	135,219	194,548	4,823	3,128
Oregon										
	Klamath	12	187	302	564	1,065	361	704	0	0
	Subtotal	12	187	302	564	1,065	361	704	0	0
Nevada										
	Inyo	0	0	0	0	0	0	0	0	0
	Lake Tahoe Basin	0	0	0	195	195	0	195	0	0
	Subtotal	0	0	0	195	195	0	195	0	0
	<b>Total</b>	<b>12,898</b>	<b>92,546</b>	<b>129,283</b>	<b>104,251</b>	<b>338,978</b>	<b>135,580</b>	<b>195,447</b>	<b>4,823</b>	<b>3,128</b>

1/ Data source is Ref. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec. 4d(1).

2/ Cubic foot productivity class refers to the cubic feet of wood produced per acre per year in a natural unmanaged stand.

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Table 4 - Timber stand improvement needs as of October 1, 2003, by Region, State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory		Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
R-6	National Forest	0-49	50-84	85-119	120+	Total acres				
California										
	Rogue River	0	107	0	0	107	107	0	0	0
	Siskiyou	0	0	1,534	0	1,534	680	655	199	0
	Subtotal	0	107	1,534	0	1,641	787	655	199	0
Oregon										
	Deschutes	63,932	30,411	1,445	911	96,699	7,235	84,016	89	5,359
	Fremont-Winema	18,775	25,889	11	0	44,675	1,921	42,754	0	0
	Malheur	2,979	1,568	0	0	4,547	564	3,983	0	0
	Mt. Hood	0	13,198	7,243	506	20,947	0	12,306	8,491	150
	Ochoco	24,819	15,953	12	0	40,784	568	39,866	0	350
	Rogue River	0	3,117	20,721	689	24,527	3,689	15,749	223	4,866
	Siskiyou	0	443	14,781	2,513	17,737	1,983	3,156	6,127	6,471
	Siuslaw	0	0	0	30,340	30,340	532	29,691	0	117
	Umatilla	4,701	9,624	4,834	577	19,736	694	18,983	0	59
	Umpqua	0	6,488	17,467	4,083	28,038	766	23,517	0	3,755
	Wallowa-Whitman	12,058	55,962	4,009	0	72,029	8,025	63,058	0	946
	Willamette	81	6,431	69,232	96,135	171,879	10,541	30,725	90,773	39,840
	Winema	19,253	7,959	5,550	0	32,762	937	31,555	0	270
	Subtotal	146,598	177,043	145,305	135,754	604,700	37,455	399,359	105,703	62,183
Washington										
	Colville	487	4,837	7,792	1,673	14,789	1,642	12,210	0	937
	Gifford Pinchot	0	25,150	38,927	11,704	75,781	98	61,036	11,436	3,211
	Mt. Baker-Snoqualmie	0	18	1,968	1,602	3,588	162	1,644	1,488	294
	Okanogan	35,326	4,830	769	0	40,925	3,564	36,074	0	1,287
	Olympic	0	0	11,655	2,885	14,540	0	14,465	0	75
	Umatilla	622	3,672	30	97	4,421	100	3,967	0	354
	Wenatchee	1,136	147,797	14,860	17,604	181,397	4,177	130,124	5,915	41,181
	Subtotal	37,571	186,304	76,001	35,565	335,441	9,743	259,520	18,839	47,339
	Total	184,169	363,454	222,840	171,319	941,782	47,985	659,534	124,741	109,522

1/ Data source is Ref. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec. 4d(1).

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Table 4 - Timber stand improvement needs as of October 1, 2003, by Region, State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory		Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
R-8	National Forest	0-49	50-84	85-119	120+	Total acres				
Alabama										
	NFs in Alabama (subtotal)	592	3,712	1,569	325	6,198	4,656	1,542	0	0
Arkansas										
	Ouachita	27	1,286	3,213	541	5,067	3,730	1,337	0	0
	Ozark-St. Francis	90	5,102	292	101	5,585	633	4,952	0	0
	Subtotal	117	6,388	3,505	642	10,652	4,363	6,289	0	0
Florida										
	NFs in Florida (subtotal)	788	192	422	41	1,443	191	192	1,060	0
Georgia										
	Chattahoochee-Oconee (subtotal)	0	322	4,423	2,581	7,326	2,032	4,194	1,100	0
Kentucky										
	Daniel Boone (subtotal)	24	0	2,735	364	3,123	376	2,715	0	32
Louisiana										
	Kisatchie (subtotal)	0	1,185	2,910	3,753	7,848	4,134	3,714	0	0
Mississippi										
	NFs in Mississippi (subtotal)	366	333	6,290	2,760	9,749	8,019	1,452	278	0
North Carolina										
	NFs in North Carolina (subtotal)	454	2,182	650	2,875	6,161	3,880	1,686	595	0
Oklahoma										
	Ouachita (subtotal)	0	382	246	688	1,316	1,069	247	0	0
Puerto Rico										
	Caribbean (subtotal)	0	300	798	0	1,098	498	600	0	0
South Carolina										
	Francis Marion and Sumter (subt)	0	0	0	0	0	0	0	0	0
Tennessee										
	Cherokee (subtotal)	11	744	17	1,564	2,336	1,483	853	0	0
Texas										
	NFs in Texas (subtotal)	0	694	1,860	2,173	4,727	4,527	200	0	0
Virginia										
	Geo Wash & Jeff	170	2,110	50	885	3,215	2,019	1,196	0	0
	Geo Wash & Jeff	106	9,101	1,264	1,258	11,729	2,422	9,184	0	123
	Subtotal	276	11,211	1,314	2,143	14,944	4,441	10,380	0	123
West Virginia										
	Geo Wash & Jeff	202	820	0	184	1,206	1,183	23	0	0
	Geo Wash & Jeff	0	0	0	160	160	0	160	0	0
	Subtotal	202	820	0	344	1,366	1,183	183	0	0
	<b>Total</b>	<b>2,830</b>	<b>28,465</b>	<b>26,739</b>	<b>20,253</b>	<b>78,287</b>	<b>40,852</b>	<b>34,247</b>	<b>3,033</b>	<b>155</b>

1/ Data source is Ref. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec. 4d(1).

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Table 4 - Timber stand improvement needs as of October 1, 2003, by Region, State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory	Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal	
	R-9 National Forest	0-49	50-84	85-119	120+					Total acres
Illinois										
Shawnee (subtotal)		0	50	453	0	503	450	0	0	53
Indiana										
Hoosier (subtotal)		0	450	150	0	600	600	0	0	0
Maine										
White Mountain (subtotal)		6	36	15	13	70	11	59	0	0
Michigan										
Hiawatha		572	4,179	3,147	0	7,898	2,437	611	0	4,850
Huron-Manistee		1,201	1,704	233	0	3,138	695	2,443	0	0
Huron-Manistee		0	162	46	0	208	0	149	0	59
Ottawa		176	896	660	41	1,773	1,773	0	0	0
Subtotal		1,949	6,941	4,086	41	13,017	4,905	3,203	0	4,909
Minnesota										
Chippewa		652	7,528	3,213	112	11,505	1,214	0	0	10,291
Superior		2,280	2,143	1,491	533	6,447	6,023	85	0	339
Subtotal		2,932	9,671	4,704	645	17,952	7,237	85	0	10,630
Missouri										
Mark Twain (subtotal)		0	7,998	166	0	8,164	50	8,039	0	75
New Hampshire										
White Mountain (subtotal)		182	363	86	9	640	384	256	0	0
New York										
Green Mountain (subtotal)		0	41	653	0	694	57	637	0	0
Ohio										
Wayne (subtotal)		26	371	627	2,598	3,622	992	1,292	0	1,338
Pennsylvania										
Allegheny (subtotal)		74	593	740	511	1,918	1,918	0	0	0
Vermont										
Green Mountain (subtotal)		667	771	165	0	1,603	332	1,269	0	2
West Virginia										
Monongahela		41	343	210	169	763	233	530	0	0
Subtotal		41	343	210	169	763	233	530	0	0
Wisconsin										
Chequamegon/Nicolet		0	387	307	0	694	694	0	0	0
Chequamegon/Nicolet		117	233	52	0	402	402	0	0	0
Subtotal		117	620	359	0	1,096	1,096	0	0	0
<b>Total</b>		<b>5,994</b>	<b>28,248</b>	<b>12,414</b>	<b>3,986</b>	<b>50,642</b>	<b>18,265</b>	<b>15,370</b>	<b>0</b>	<b>17,007</b>

1/ Data source is Ref. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec.4d(1).

2/ Cubic foot productivity class refers to the cubic feet of wood produced per acre per year in a natural unmanaged stand.

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Table 4 - Timber stand improvement needs as of October 1, 2003, by Region, State, national forest, cubic foot productivity class, and type of treatment 1/

State, Commonwealth, or Territory		Cubic foot productivity classes 2/					Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
		0-49	50-84	85-119	120+	Total acres				
R-10	National Forest									
	Alaska					0	0			
	Chugach	0	13	374	0	387	13	374	0	0
	Tongass	1,392	778	3,259	17,724	23,153	0	22,727	0	426
	Subtotal	1,392	791	3,633	17,724	23,540	13	23,101	0	426
	<b>Total</b>	<b>1,392</b>	<b>791</b>	<b>3,633</b>	<b>17,724</b>	<b>23,540</b>	<b>13</b>	<b>23,101</b>	<b>0</b>	<b>426</b>

1/ Data source is Ref. & TSI Needs Report (2400-K) Table 2. This information is required by the National Forest Management Act of 1976, Sec. 4d(1).

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Table 5 -- Reforestation and Timber Stand Improvement acreages Certified as Satisfactory Stocked

Region	Reforestation					Timber Stand Improvement					
	Artificial regeneration		Natural regeneration		Total	Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
	Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
<i>Acres</i>						<i>Acres</i>					
Northern	19,739	28	2,893	1,649	24,309	0	1,025	9,359	0	6,088	16,472
Rocky Mountain	404	0	627	8,859	9,890	0	0	1,935	0	0	1,935
Southwestern	0	0	32	593	625	0	0	648	0	0	648
Intermountain	4,725	0	302	3,353	8,380	0	1,290	11,343	0	0	12,633
Pacific Southwest	3,439	0	0	163	3,602	0	26,894	39,833	842	1,903	69,472
Pacific Northwest	15,179	185	1,500	13,769	30,633	23	396	16,294	2,573	1,564	20,850
Southern	9,192	1,800	7,640	521	19,153	0	17,625	6,344	0	0	23,969
Eastern	5,149	811	13,120	16,182	35,262	0	4,722	4,215	0	379	9,316
Alaska	141	0	0	4,535	4,676	0	0	3,561	0	27	3,588
<b>Grand Total</b>	<b>57,968</b>	<b>2,824</b>	<b>26,114</b>	<b>49,624</b>	<b>136,530</b>	<b>23</b>	<b>51,952</b>	<b>93,532</b>	<b>3,415</b>	<b>9,961</b>	<b>158,883</b>

1/ Data source is Annual Reforestation & TSI Report (2400-K) Table 21. This information is required by the National Forest Management Act, Sec 4d(1).

2/ Site productivity class refers to the amount of wood produced in cubic feet per acre per year in a natural unmanaged stand.

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Table 5--Reforestation and timber stand improvement acreages certified as satisfactorily stocked - by region, State and national forest-- 1/

State, Commonwealth or Territory 2/		Reforestation				Timber Stand Improvement						
		Artificial regeneration		Natural regeneration		Total	Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
<b>R-1</b>	<b>National Forest</b>	<i>Acres</i>				<i>Acres</i>						
<b>Idaho</b>												
	Clearwater	1,025	0	0	7	1,032	0	119	755	0	1,278	2,152
	Idaho Panhandle	4,722	0	28	69	4,819	0	629	3,339	0	3,688	7,656
	Kootenai	7	0	0	0	7	0	0	0	0	0	0
	Nez Perce	2,151	0	295	80	2,526	0	0	1,063	0	0	1,063
	Subtotal	7,905	0	323	156	8,384	0	748	5,157	0	4,966	10,871
<b>Montana</b>												
	Beaverhead & Deerlodge	12	0	192	96	300	0	0	142	0	0	142
	Bitterroot	1,093	0	4	57	1,154	0	45	512	0	0	557
	Custer	10	0	441	155	606	0	0	0	0	0	0
	Flathead	938	0	78	300	1,316	0	0	0	0	0	0
	Gallatin	465	0	110	44	619	0	147	0	0	0	147
	Helena	191	0	333	92	616	0	0	0	0	0	0
	Kootenai	6,151	0	148	42	6,341	0	11	2,817	0	1,122	3,950
	Lewis and Clark	33	0	139	108	280	0	0	130	0	0	130
	Lolo	2,718	28	1,125	599	4,470	0	74	601	0	0	675
	Subtotal	11,611	28	2,570	1,493	15,702	0	277	4,202	0	1,122	5,601
	Winema	184	0	0	3,113	3,297	0	0	1,967	0	0	1,967
<b>South Dakota</b>												
	Custer (subtotal)	0	0	0	0	0	0	0	0	0	0	0
<b>Washington</b>												
	Idaho Panhandle	223	0	0	0	223	0	0	0	0	0	0
	Subtotal	223	0	0	0	223	0	0	0	0	0	0
	<b>Total</b>	<b>19,739</b>	<b>28</b>	<b>2,893</b>	<b>1,649</b>	<b>24,309</b>	<b>0</b>	<b>1,025</b>	<b>9,359</b>	<b>0</b>	<b>6,088</b>	<b>16,472</b>

1/ Data source is Annual Reforestation & TSI Report (2400-K) Table 21. This information is required by the National Forest Management Act, Sec 4d(1).

2/ Unlisted States had no reforestation or timber stand improvement certification as of October 1, 2003.

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Table 5--Reforestation and timber stand improvement acreages certified as satisfactorily stocked - by region, State and national forest-- 1/

State, Commonwealth or Territory 2/		Reforestation				Timber Stand Improvement						
		Artificial regeneration		Natural regeneration		Total	Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
R-2	National Forest	Acres				Acres						
Colorado												
	Arapaho and Roosevelt	0	0	260	140	400	0	0	0	0	0	0
	Grand Mesa, Uncompahgre, and Gunnison	271	0	59	817	1,147	0	0	0	0	0	0
	Medicine Bow and Routt	0	0	174	386	560	0	0	0	0	0	0
	Pike and San Isabel	0	0	0	0	0	0	0	0	0	0	0
	Rio Grande	0	0	0	166	166	0	0	0	0	0	0
	San Juan	17	0	0	148	165	0	0	245	0	0	245
	White River	87	0	121	156	364	0	0	0	0	0	0
	Subtotal	375	0	614	1,813	2,802	0	0	245	0	0	245
South Dakota												
	Black Hills (subtotal)	0	0	0	4,940	4,940	0	0	1,690	0	0	1,690
Wyoming												
	Bighorn	15	0	0	12	27	0	0	0	0	0	0
	Black Hills	0	0	0	1,908	1,908	0	0	0	0	0	0
	Medicine Bow and Routt	14	0	13	186	213	0	0	0	0	0	0
	Shoshone	0	0	0	0	0	0	0	0	0	0	0
	Subtotal	29	0	13	2,106	2,148	0	0	0	0	0	0
	<b>Total</b>	<b>404</b>	<b>0</b>	<b>627</b>	<b>8,859</b>	<b>9,890</b>	<b>0</b>	<b>0</b>	<b>1,935</b>	<b>0</b>	<b>0</b>	<b>1,935</b>

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2/ Unlisted States had no reforestation or timber stand improvement certification as of October 1, 2003.

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State, Commonwealth or Territory 2/		Reforestation				Timber Stand Improvement					
		Artificial regeneration		Natural regeneration		Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.						
<b>R-3</b>	<b>National Forest</b>	<i>Acre</i>				<i>Acre</i>					
Arizona											
	Apache-Sitgreaves	0	0	0	0	0	0	648	0	0	648
	Coconino	0	0	0	149	149	0	0	0	0	0
	Coronado	0	0	0	0	0	0	0	0	0	0
	Kaibab	0	0	0	0	0	0	0	0	0	0
	Prescott	0	0	0	0	0	0	0	0	0	0
	Tonto	0	0	0	0	0	0	0	0	0	0
	Subtotal	0	0	0	149	149	0	0	648	0	0
New Mexico											
	Carson	0	0	0	444	444	0	0	0	0	0
	Cibola	0	0	32	0	32	0	0	0	0	0
	Gila	0	0	0	0	0	0	0	0	0	0
	Lincoln	0	0	0	0	0	0	0	0	0	0
	Santa Fe	0	0	0	0	0	0	0	0	0	0
	Subtotal	0	0	32	444	476	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>593</b>	<b>625</b>	<b>0</b>	<b>0</b>	<b>648</b>	<b>0</b>	<b>0</b>

1/ Data source is Annual Reforestation & TSI Report (2400-K) Table 21. This information is required by the National Forest Management Act, Sec 4d(1).

2/ Unlisted States had no reforestation or timber stand improvement certification as of October 1, 2003.

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Table 5--Reforestation and timber stand improvement acreages certified as satisfactorily stocked - by region, State and national forest-- 1/

State, Commonwealth or Territory 2/		Reforestation					Timber Stand Improvement					
		Artificial regeneration		Natural regeneration		Total	Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
R-4	National Forest	Acres					Acres					
Colorado												
	Manti-La Sal	0	0	0	0	0	0	114	0	0	0	114
	Subtotal	0	0	0	0	0	0	114	0	0	0	114
Idaho												
	Boise	70	0	0	14	84	0	203	5,251	0	0	5,454
	Caribou/Targhee	769	0	82	30	881	0	0	1,091	0	0	1,091
	Payette	791	0	162	0	953	0	0	2,189	0	0	2,189
	Salmon/Challis	754	0	0	0	754	0	284	340	0	0	624
	Sawtooth	213	0	0	215	428	0	0	0	0	0	0
	Subtotal	2,597	0	244	259	3,100	0	487	8,871	0	0	9,358
Utah												
	Ashley	0	0	0	2,499	2,499	0	0	850	0	0	850
	Dixie	1,793	0	0	0	1,793	0	79	1,579	0	0	1,658
	Fishlake	75	0	0	0	75	0	0	0	0	0	0
	Manti-La Sal	0	0	0	6	6	0	610	43	0	0	653
	Uinta	0	0	0	0	0	0	0	0	0	0	0
	Wasatch-Cache	0	0	0	532	532	0	0	0	0	0	0
	Subtotal	1,868	0	0	3,037	4,905	0	689	2,472	0	0	3,161
Wyoming												
	Bridger-Teton	209	0	58	8	275	0	0	0	0	0	0
	Caribou/Targhee	51	0	0	0	51	0	0	0	0	0	0
	Wasatch	0	0	0	49	49	0	0	0	0	0	0
	Subtotal	260	0	58	57	375	0	0	0	0	0	0
	<b>Total</b>	<b>4,725</b>	<b>0</b>	<b>302</b>	<b>3,353</b>	<b>8,380</b>	<b>0</b>	<b>1,290</b>	<b>11,343</b>	<b>0</b>	<b>0</b>	<b>12,633</b>

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Table 5--Reforestation and timber stand improvement acreages certified as satisfactorily stocked - by region, State and national forest-- 1/

State, Commonwealth or Territory 2/		Reforestation					Timber Stand Improvement					
		Artificial regeneration		Natural regeneration		Total	Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
R-5	National Forest	Acres					Acres					
California												
	Angeles	0	0	0	0	0	0	265	430	0	426	1,121
	Cleveland	0	0	0	0	0	0	0	0	0	0	0
	Eldorado	0	0	0	0	0	0	1,561	2,966	0	419	4,946
	Inyo	0	0	0	0	0	0	0	1,000	0	0	1,000
	Klamath	283	0	0	60	343	0	5,500	7,248	0	8	12,756
	Lake Tahoe Basin	0	0	0	0	0	0	0	1,129	0	0	1,129
	Lassen	1,112	0	0	0	1,112	0	329	6,256	0	0	6,585
	Los Padres	0	0	0	0	0	0	50	10	0	245	305
	Mendocino	596	0	0	0	596	0	2,221	1,224	842	0	4,287
	Modoc	0	0	0	0	0	0	1,755	2,957	0	0	4,712
	Plumas	0	0	0	0	0	0	259	4,678	0	40	4,977
	Rogue River	0	0	0	0	0	0	0	0	0	0	0
	San Bernardino	0	0	0	0	0	0	0	0	0	0	0
	Sequoia	72	0	0	0	72	0	1,154	208	0	62	1,424
	Shasta/Trinity	1,211	0	0	16	1,227	0	2,570	3,730	0	397	6,697
	Sierra	0	0	0	0	0	0	2,390	2,539	0	6	4,935
	Siskiyou	0	0	0	0	0	0	0	0	0	0	0
	Six Rivers	0	0	0	0	0	0	1,477	1,026	0	0	2,503
	Stanislaus	0	0	0	0	0	0	4,633	644	0	92	5,369
	Tahoe	139	0	0	87	226	0	2,725	3,721	0	208	6,654
	Toiyabe	0	0	0	0	0	0	0	0	0	0	0
	Subtotal	3,413	0	0	163	3,576	0	26,889	39,766	842	1,903	69,400

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Table 5--Reforestation and timber stand improvement acreages certified as satisfactorily stocked - by State and national forest--Fiscal Year 2003 1/

State, Commonwealth or Territory 2/		Reforestation				Timber Stand Improvement						
		Artificial regeneration		Natural regeneration		Total	Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
R-5	National Forest	<i>Acres</i>				<i>Acres</i>						
Nevada												
	Lake Tahoe Basin	0	0	0	0	0	0	0	0	0	0	
	Subtotal	0	0	0	0	0	0	0	0	0	0	
Oregon												
	Klamath	26	0	0	0	0	5	67	0	0	72	
	Subtotal	26	0	0	0	0	5	67	0	0	72	
	<b>Total</b>	<b>3,439</b>	<b>0</b>	<b>0</b>	<b>163</b>	<b>3,602</b>	<b>0</b>	<b>26,894</b>	<b>39,833</b>	<b>842</b>	<b>1,903</b>	<b>69,472</b>

1/ Data source is Annual Reforestation & TSI Report (2400-K) Table 21. This information is required by the National Forest Management Act, Sec 4d(1).

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Table 5--Reforestation and timber stand improvement acreages certified as satisfactorily stocked - by region, State and national forest-- 1/

State, Commonwealth or Territory 2/		Reforestation					Timber Stand Improvement					
		Artificial regeneration		Natural regeneration		Total	Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
<b>R-6</b>	<b>National Forest</b>	<i>Acres</i>					<i>Acres</i>					
Oregon												
	Deschutes	1,191	0	84	1,459	2,734	0	0	0	0	0	0
	Fremont-Winema	781	0	0	2,000	2,781	0	0	30	0	0	30
	Malheur	2,091	0	0	0	2,091	0	0	2,390	0	0	2,390
	Mt. Hood	1,306	0	0	0	1,306	0	0	2,479	450	0	2,929
	Ochoco	0	0	0	504	504	0	0	0	0	0	0
	Rogue River	313	0	0	74	387	0	0	0	0	0	0
	Siskiyou	219	0	0	0	219	0	71	0	0	0	71
	Siuslaw	0	0	0	0	0	0	0	0	0	0	0
	Umatilla	2,628	0	0	145	2,773	0	0	0	0	0	0
	Umpqua	279	0	0	0	279	0	0	732	0	0	732
	Wallowa-Whitman	2,371	185	1,344	1,565	5,465	23	0	1,648	0	0	1,671
	Willamette	1,048	0	0	50	1,098	0	325	4,113	2,123	1,048	7,609
	Winema	184	0	0	3,113	3,297	0	0	1,967	0	0	1,967
	Subtotal	12,411	185	1,428	8,910	22,934	23	396	13,359	2,573	1,048	17,399
Washington												
	Colville	270	0	72	158	500	0	0	312	0	0	312
	Gifford Pinchot	996	0	0	26	1,022	0	0	1,170	0	15	1,185
	Mt. Baker-Snoqualmie	0	0	0	0	0	0	0	0	0	0	0
	Okanogan	1,226	0	0	140	1,366	0	0	0	0	0	0
	Olympic	0	0	0	0	0	0	0	0	0	0	0
	Umatilla	0	0	0	954	954	0	0	883	0	0	883
	Okanogan-Wenatchee	276	0	0	3,581	3,857	0	0	570	0	501	1,071
	Subtotal	2,768	0	72	4,859	7,699	0	0	2,935	0	516	3,451
	<b>Total</b>	<b>15,179</b>	<b>185</b>	<b>1,500</b>	<b>13,769</b>	<b>30,633</b>	<b>23</b>	<b>396</b>	<b>16,294</b>	<b>2,573</b>	<b>1,564</b>	<b>20,850</b>

1/ Data source is Annual Reforestation & TSI Report (2400-K) Table 21. This information is required by the National Forest Management Act, Sec 4d(1).

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Table 5--Reforestation and timber stand improvement acreages certified as satisfactorily stocked - by region, State and national forest-- 1/

State, Commonwealth or Territory 2/ R-8 National Forest		Reforestation				Timber Stand Improvement						
		Artificial regeneration		Natural regeneration		Total	Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
		<i>Acres</i>				<i>Acres</i>						
Alabama												
NFs in Alabama (subtotal)		1,410	0	0	122	1,532	0	0	0	0	0	0
Arkansas												
Ouachita		1,784	40	3,154	0	4,978	0	6,952	1,487	0	0	8,439
Ozark-St. Francis		217	0	1,147	0	1,364	0	2,206	1,711	0	0	3,917
Subtotal		2,001	40	4,301	0	6,342	0	9,158	3,198	0	0	12,356
Florida												
NFs in Florida (subtotal)		1,630	1,747	0	0	3,377	0	775	0	0	0	775
Georgia												
Chatt/Oconee (subtotal)		76	0	0	0	76	0	0	0	0	0	0
Kentucky												
Daniel Boone (subtotal)		0	0	0	0	0	0	0	0	0	0	0
Louisiana												
Kisatchie (subtotal)		503	0	0	0	503	0	0	0	0	0	0
Mississippi												
NFs in Mississippi (subtotal)		2,296	13	258	0	2,567	0	2,719	1,627	0	0	4,346
North Carolina												
NFs in North Carolina (subtotal)		593	0	1,345	0	1,938	0	1,159	60	0	0	1,219
Oklahoma												
Ouachita (subtotal)		0	0	703	0	703	0	72	240	0	0	312

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Table 5--Reforestation and timber stand improvement acreages certified as satisfactorily stocked - by State and national forest--Fiscal Year 2003 1/

State, Commonwealth or Territory 2/		Reforestation				Timber Stand Improvement						
		Artificial regeneration		Natural regeneration		Total	Release	Precommercial Thinning	Fertilization	Pruning	Total	
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
<b>R-8</b>	<b>National Forest</b>	<i>Acres</i>				<i>Acres</i>						
Puerto Rico												
	Caribbean (subtotal)	0	0	0	0	0	0	0	0	0	0	
South Carolina												
	Francis Marion and Sumter (subtotal)	442	0	0	0	442	0	2,095	238	0	0	2,333
Tennessee												
	Cherokee (subtotal)	64	0	0	399	463	0	772	0	0	0	772
Texas												
	NFs in Texas (subtotal)	177	0	0	0	177	0	79	313	0	0	392
Virginia												
	Geo Wash & Jeff	0	0	644	0	644	0	566	273	0	0	839
	Geo Wash & Jeff	0	0	276	0	276	0	230	262	0	0	492
	Subtotal	0	0	920	0	920	0	796	535	0	0	1,331
West Virginia												
	Geo Wash & Jeff	0	0	113	0	113	0	0	133	0	0	133
	Geo Wash & Jeff	0	0	0	0	0	0	0	0	0	0	0
	Subtotal	0	0	113	0	113	0	0	133	0	0	133
	<b>Total</b>	<b>9,192</b>	<b>1,800</b>	<b>7,640</b>	<b>521</b>	<b>19,153</b>	<b>0</b>	<b>17,625</b>	<b>6,344</b>	<b>0</b>	<b>0</b>	<b>23,969</b>

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Table 5--Reforestation and timber stand improvement acreages certified as satisfactorily stocked - by region, State and national forest-- 1/

State, Commonwealth or Territory 2/		Reforestation					Timber Stand Improvement					
		Artificial regeneration		Natural regeneration		Total	Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
R-9	National Forest	<i>Acres</i>					<i>Acres</i>					
Wisconsin												
	Chequam/Niclet	682	0	2,182	1,805	4,669	0	157	0	0	0	157
	Chequam/Niclet	124	0	1,436	964	2,524	0	23	0	0	45	68
	Subtotal	806	0	3,618	2,769	7,193	0	180	0	0	45	225
	<b>Total</b>	<b>5,149</b>	<b>811</b>	<b>12,235</b>	<b>16,157</b>	<b>34,352</b>	<b>0</b>	<b>4,372</b>	<b>4,215</b>	<b>0</b>	<b>379</b>	<b>8,966</b>

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State, Commonwealth or Territory 2/		Reforestation					Timber Stand Improvement					
		Artificial regeneration		Natural regeneration		Total	Cleaning	Release	Precommercial Thinning	Fertilization	Pruning	Total
		Planted	Seeded	W/ Site Prep.	W/O Site Prep.							
<b>R-10</b>	<b>National Forest</b>	<i>Acre</i>					<i>Acre</i>					
Alaska												
	Chugach	0	0	0	0	0	0	0	0	0	0	
	Tongass	141	0	0	4,535	4,676	0	0	3,561	0	27	3,588
	Subtotal	141	0	0	4,535	4,676	0	0	3,561	0	27	3,588
	<b>Total</b>	<b>141</b>	<b>0</b>	<b>0</b>	<b>4,535</b>	<b>4,676</b>	<b>0</b>	<b>0</b>	<b>3,561</b>	<b>0</b>	<b>27</b>	<b>3,588</b>

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**TREE SPECIES SYMBOLS**  
**Hardwoods**

Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name
317	ACSA2	Silver maple
318	ACSA3	Sugar maple
351	ALRU2	Red alder
371	BEAL2	Silver maple
400	CARYA	Hickory
541	FRAM2	White ash
544	FRPE	Green ash
601	JUCI	Butternut
602	JUNI	Black walnut
621	LITU	Tulip tree/Yellow poplar
651	MAAC	Cucumber tree
740	POPUL	Poplar
762	PRSE2	Black cherry
800	QUERC	Oak
802	QUAL	White oak
805	QUCH2	Canyon live oak
812	QUFA	Southern red oak
823	QUMA2	Bur oak
825	QUBI	Swamp chestnut oak
827	QUNI	Water oak
828	QUNU	Nuttal oak
830	QUPA2	Pin oak
832	QUPR2	Chestnut oak
833	QURU	Northern red oak
N/A	BMA2	Red sand verbena (forb)

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**TREE SPECIES SYMBOLS**

**Conifers**

Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name	Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name
12	ABBA	Balsam fir	110	PIEC2	Shortleaf pine
15	ABCO	White fir	111	PIEL	Slash pine
268	ABLA	Subalpine fir	116	PIJE	Jeffrey pine
20	ABMA	California red fir	117	PILA	Sugar pine
21	ABMAS	Shasta red fir	119	PIMO3	Western white pine
22	ABPR	Noble fir	121	PIPA2	Longleaf pine
41	CHLA	Port Orford-cedar	122	PIPO	Ponderosa pine
42	CHNO	Alaska yellow-cedar	125	PIRE	Red pine
68	THOC2	Northern white cedar	129	PIST	Eastern white pine
71	LALA	Tamarack	131	PITA	Loblolly pine
73	LAOC	Western larch	132	PIVI2	Virginia pine
N/A	LAOCW 1/	Western larch	202	PSME	Douglas-fir
81	LIDE	Incense-cedar	N/A	PSMEE 2/	Douglas-fir
101	PIAL	Whitebark pine	N/A	PSMEW 3/	Douglas-fir
90	PICEA	Spruce	212	SEG12	Giant sequoia
91	PIMA	Black spruce	221	TADI2	Baldcypress
93	PIEN	Englemann spruce	N/A	THOC2	Arborvitae
94	PIGL	White spruce	242	THPL	Western red cedar
95	PIAB	Norway spruce	261	TSCA	Eastern hemlock
98	PISI	Sitka spruce	263	TSHE	Western hemlock
105	PIBA2	Jack pine	264	TSME	Mountain hemlock
108	PICO	Lodgepole pine			
N/A	PIAT2	Pinus xattenu radiata			

1/ Western larch west of the Cascade Mountain

2/ Douglas-fir east of the Cascade Mountain

3/ Douglas - fir west of the Cascade Mountain