

**Table 8. Timber stand improvement needs as of October 1, 2002, by State, national forest, cubic foot productivity class, and type of treatment <sup>1/</sup>**

State, Commonwealth, or territory <sup>2/</sup> National Forest (NF)	Cubic foot productivity classes <sup>3/</sup>				Total acres	Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+					
<b>Alabama</b>	592	3,761	2,447	384	7,184	5,503	1,681	0	0
NFs in Alabama (subtotal)									
<b>Alaska</b>									
Chugach	0	13	374	0	387	13	374	0	0
Tongass	1,435	677	3,933	21,290	27,335	150	26,759	0	426
Subtotal	1,435	690	4,307	21,290	27,722	163	27,133	0	426
<b>Arizona</b>									
Apache-Sitgreaves	17,750	3,168	112	0	21,030	144	20,886	0	0
Coconino	13,352	1,837	0	0	15,189	1,560	13,629	0	0
Coronado	6	64	0	0	70	0	70	0	0
Kaibab	19,287	13,393	999	0	33,679	0	33,679	0	0
Prescott	56	0	0	0	56	56	0	0	0
Tonto	6,070	1,787	31	0	7,888	7,343	545	0	0
Subtotal	56,521	20,249	1,142	0	77,912	9,103	68,809	0	0
<b>Arkansas</b>									
Ouachita	27	2,473	3,115	539	6,154	3,136	3,018	0	0
Ozark-St. Francis	60	5,823	397	101	6,381	1,016	5,365	0	0
Subtotal	87	8,296	3,512	640	12,535	4,152	8,383	0	0
<b>California</b>									
Angeles	554	1,217	542	0	2,313	1,157	549	0	607
Cleveland	0	687	0	0	687	422	181	0	84
Eldorado	0	99	2,011	9,045	11,155	6,922	3,609	0	624
Humboldt-Toiyabe	682	1,213	30	90	2,015	0	2,015	0	0
Inyo	0	647	0	0	647	19	628	0	0
Klamath	1,060	16,868	18,251	12,804	48,983	16,009	32,929	36	9
Lake Tahoe Basin	800	2,329	2,962	369	6,460	3,635	2,825	0	0
Lassen	3,168	19,842	17,799	4,628	45,437	3,211	42,226	0	0
Los Padres	0	209	30	0	239	143	71	0	25
Mendocino	122	13,950	9,251	20,787	44,110	18,979	21,899	3,229	3
Modoc	52	10,812	4,473	499	15,836	8,258	6,836	727	15
Plumas	8	2,695	11,701	9,121	23,525	5,280	18,245	0	0
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	4,046	9,899	15,411	6,588	7,753	672	398
Shasta-Trinity	327	13,622	14,440	12,492	40,881	11,006	28,755	0	1,120
Sierra	117	1,469	7,566	13,267	22,419	9,767	12,226	0	426
Siskiyou	0	0	1,534	0	1,534	680	655	199	0
Six Rivers	0	144	3,828	9,659	13,631	8,337	5,294	0	0
Stanislaus	65	6,497	21,356	7,794	35,712	26,040	9,672	0	0
Tahoe	6,689	9,294	49,781	20,362	86,126	42,992	42,829	275	30
Subtotal	14,046	105,537	169,693	130,882	420,158	170,747	240,897	5,138	3,376
<b>Colorado</b>									
Arapaho and Roosevelt	5,248	162	0	0	5,410	922	4,488	0	0
Grand Mesa, Uncompahgre and Gunnison	3,567	344	0	0	3,911	600	3,311	0	0

**Table 8. Timber stand improvement needs as of October 1, 2002, by State, national forest, cubic foot productivity class, and type of treatment <sup>1/</sup>**

State, Commonwealth, or territory <sup>2/</sup>	Cubic foot productivity classes <sup>3/</sup>					Total acres	Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+						
National Forest (NF)										
Colorado (continued)										
Manit-La Sal	10	114	95	0	219	0	219	0	0	0
Medicine Bow and Routt	8,098	1,682	50	0	9,830	2,791	7,039	0	0	0
Pike and San Isabel	2,032	590	0	0	2,622	1,918	704	0	0	0
Rio Grande	379	208	0	0	587	413	174	0	0	0
San Juan	1,827	1,064	0	0	2,891	2,721	170	0	0	0
White River	167	1,397	354	0	1,918	1,515	403	0	0	0
Subtotal	21,328	5,561	499	0	27,388	10,880	16,508	0	0	0
Florida										
NFs in Florida (subtotal)	788	924	464	41	2,217	965	192	1,060	0	0
Georgia										
Chattahoochee-Oconee (subtotal)	0	322	4,423	2,581	7,326	2,032	4,194	1,100	0	0
Idaho										
Boise	1,899	7,175	6,569	1,523	17,166	1,659	15,507	0	0	0
Caribou-Targhee	3,499	5,426	47	0	8,972	23	8,949	0	0	0
Clearwater	1,870	869	1,694	3,552	7,985	431	5,670	0	1,884	0
Idaho Panhandle	46,999	11,158	57,074	48,811	164,042	6,587	113,144	2,044	42,267	0
Kootenai	36	6	26	35	103	0	103	0	0	0
Nez Perce	837	1,447	6,348	4,141	12,773	461	12,312	0	0	0
Payette	387	762	2,610	39	3,798	1,142	2,656	0	0	0
Salmon-Challis	11,827	964	0	0	12,791	9,475	3,316	0	0	0
Sawtooth	568	41	0	0	609	152	457	0	0	0
Subtotal	67,922	27,848	74,368	58,101	228,239	19,930	162,114	2,044	44,151	0
Illinois										
Shawnee (subtotal)	0	50	453	0	503	450	0	0	0	53
Indiana										
Hoosier (subtotal)	0	805	150	0	955	955	0	0	0	0
Kentucky										
Daniel Boone (subtotal)	24	0	2,735	364	3,123	376	2,715	0	0	32
Louisiana										
Kisatchie (subtotal)	0	1,402	3,873	4,098	9,373	5,622	3,751	0	0	0
Maine										
White Mountain (subtotal)	6	36	15	13	70	11	59	0	0	0
Michigan										
Hiawatha	738	4,473	3,147	0	8,358	2,785	611	0	4,962	0
Huron-Manistee	1,201	1,866	286	0	3,353	695	2,599	0	59	0
Ottawa	48	190	148	41	427	427	0	0	0	0
Subtotal	1,987	6,529	3,581	41	12,138	3,907	3,210	0	5,021	0
Minnesota										
Chippewa	698	8,045	3,270	119	12,132	1,632	0	0	10,500	0
Superior	1,746	0	0	0	1,746	1,746	0	0	0	0
Subtotal	2,444	8,045	3,270	119	13,878	3,378	0	0	10,500	0
Mississippi										
NFs in Mississippi (subtotal)	366	333	6,439	2,741	9,879	8,149	1,452	278	0	0

**Table 8. Timber stand improvement needs as of October 1, 2002, by State, national forest, cubic foot productivity class, and type of treatment <sup>1/</sup>**

State, Commonwealth, or territory <sup>2/</sup> National Forest (NF)	Cubic foot productivity classes <sup>3/</sup>				Total acres	Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+					
Missouri									
Mark Twain (subtotal)	0	10,533	166	0	10,699	50	10,574	0	75
Montana									
Beaverhead-Deerlodge	20,735	12,536	977	141	34,389	113	34,276	0	0
Bitterroot	4,497	9,220	4,330	199	18,246	2,419	15,827	0	0
Custer	2,661	158	56	0	2,875	110	2,765	0	0
Flathead	15,552	11,373	38,987	7,320	73,232	546	71,286	0	1,400
Gallatin	1,489	5,276	0	0	6,765	212	6,553	0	0
Helena	1,080	763	615	70	2,528	36	2,482	10	0
Idaho Panhandle	91	0	237	347	675	0	675	0	0
Kootenai	10,021	53,192	61,563	1,805	126,581	82	122,993	0	3,506
Lewis and Clark	4,879	1,622	770	6	7,277	57	7,220	0	0
Lolo	9,814	18,988	10,678	2,356	41,836	596	41,233	0	7
Subtotal	70,819	113,128	118,213	12,244	314,404	4,171	305,310	10	4,913
Nebraska									
Nebraska (subtotal)	0	0	0	0	0	0	0	0	0
Nevada									
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	372	86	9	649	393	256	0	0
New Mexico									
Carson	4,351	1,896	141	0	6,388	496	5,892	0	0
Cibola	648	0	0	0	648	0	648	0	0
Gila	2,894	536	0	0	3,430	0	3,430	0	0
Lincoln	1,962	3,288	259	68	5,577	1,081	4,496	0	0
Santa Fe	8,900	684	0	0	9,584	489	9,095	0	0
Subtotal	18,755	6,404	400	68	25,627	2,066	23,561	0	0
New York									
Green Mountain (subtotal)	0	42	653	0	695	58	637	0	0
North Carolina									
NFs in North Carolina (subtotal)	425	2,107	496	2,853	5,881	3,600	1,686	595	0
Ohio									
Wayne (subtotal)	26	389	656	2,628	3,699	1,069	1,292	0	1,338
Oklahoma									
Ouachita (subtotal)	0	35	227	826	1,088	841	247	0	0
Oregon									
Deschutes	33,433	29,284	1,285	911	64,913	5,401	54,129	71	0
Fremont	40,615	24,353	11	0	64,979	1,921	63,058	0	5,312
Klamath	12	187	325	541	1,065	363	702	0	0
Malheur	2,166	2,101	0	0	4,267	1,010	3,257	0	0
Mt. Hood	0	15,190	7,809	1,084	24,083	0	13,627	8,491	1,965

**Table 8. Timber stand improvement needs as of October 1, 2002, by State, national forest, cubic foot productivity class, and type of treatment <sup>1/</sup>**

State, Commonwealth, or territory <sup>2/</sup>	Cubic foot productivity classes <sup>3/</sup>				Total acres	Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+					
<b>National Forest (NF)</b>									
Oregon (continued)									
Ochoco	25,304	18,731	12	0	44,047	568	43,129	0	350
Rogue River	0	3,505	21,171	873	25,549	3,502	16,951	0	5,096
Siskiyou	0	621	15,412	2,689	18,722	2,592	3,504	6,127	6,499
Siuslaw	0	0	0	34,060	34,060	874	33,164	0	22
Umatilla	4,706	10,734	4,932	1,709	22,081	694	21,328	0	59
Umpqua	0	6,192	18,725	4,092	29,009	766	24,984	0	3,259
Wallowa-Whitman	13,144	57,767	3,915	0	74,826	8,025	65,855	0	946
Willamette	81	6,280	73,277	96,675	176,313	11,089	35,549	90,575	39,100
Winema	1,646	8,658	5,550	0	15,854	890	14,694	0	270
Subtotal	121,107	183,603	152,424	142,634	599,768	37,695	393,931	105,264	62,878
Pennsylvania									
Allegheny (subtotal)	67	845	841	517	2,270	2,270	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	1,413	0	1,413	1,224	108	81	0
South Dakota									
Black Hills (subtotal)	3,114	316	0	0	3,430	52	3,378	0	0
Tennessee									
Cherokee (subtotal)	6	670	0	1,625	2,301	1,448	853	0	0
Texas									
NFs in Texas (subtotal)	0	707	1,500	1,341	3,548	3,214	334	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	575	953	0	0	1,528	1,528	0	0	0
Manti-La Sal	0	366	1,331	200	1,897	0	1,847	0	50
Uinta	0	0	45	0	45	45	0	0	0
Wasatch-Cache	171	526	0	0	697	146	551	0	0
Subtotal	15,408	3,051	1,376	200	20,035	2,874	17,111	0	50
Vermont									
Green Mountain (subtotal)	667	785	165	0	1,617	346	1,269	0	2
Virginia									
George Washington and Jefferson (subtotal)	363	10,580	1,314	1,813	14,070	3,787	10,160	0	123
Washington									
Colville	487	4,973	7,688	1,091	14,239	1,480	12,379	0	380
Gifford Pinchot	0	25,273	26,250	10,640	62,163	35	51,590	8,676	1,862
Idaho Panhandle	1,030	417	6,434	3,142	11,023	161	9,733	0	1,129
Mt. Baker-Snoqualmie	0	18	1,032	1,654	2,704	19	903	1,488	294
Okanogan	35,082	4,830	769	0	40,681	3,564	36,074	0	1,043
Olympic	0	532	14,148	1,763	16,443	0	16,368	0	75
Umatilla	159	3,813	0	24	3,996	100	3,542	0	354

**Table 8. Timber stand improvement needs as of October 1, 2002, by State, national forest, cubic foot productivity class, and type of treatment <sup>1/</sup>**

State, Commonwealth, or territory <sup>2/</sup> National Forest (NF)	Cubic foot productivity classes <sup>3/</sup>					Total acres	Release subtotal	Thinning subtotal	Fertilization subtotal	Pruning subtotal
	0-49	50-84	85-119	120+						
Washington (continued)										
Wenatchee	1,136	147,004	14,758	15,990	178,888	3,567	128,595	5,915	40,811	
Subtotal	37,894	186,860	71,079	34,304	330,137	8,926	259,184	16,079	45,948	
West Virginia										
George Washington and Jefferson	202	820	0	344	1,366	1,183	183	0	0	0
Monongahela	41	343	210	169	763	233	530	0	0	0
Subtotal	243	1,163	210	513	2,129	1,416	713	0	0	0
Wisconsin										
Chequamegon-Nicolet (subtotal)	471	657	262	41	1,431	1,193	0	0	0	238
Wyoming										
Bighorn	9,241	362	0	0	9,603	2,683	6,920	0	0	0
Black Hills	688	322	0	0	1,010	0	1,010	0	0	0
Bridger-Teton	0	36	556	0	592	0	592	0	0	0
Caribou-Targhee	6,803	162	13	0	6,978	0	141	0	0	0
Medicine Bow and Routt	3,223	384	0	0	3,607	369	6,609	0	0	0
Shoshone	43	98	0	0	141	153	3,454	0	0	0
Wasatch-Cache	232	27	0	0	259	0	259	0	0	0
Subtotal	20,230	1,391	569	0	22,190	3,205	18,985	0	0	0
<b>Total</b>	<b>457,325</b>	<b>714,511</b>	<b>634,219</b>	<b>423,106</b>	<b>2,229,161</b>	<b>326,719</b>	<b>1,591,669</b>	<b>131,649</b>	<b>179,124</b>	

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

<sup>2/</sup> Unlisted States had no TSI needs as of October 1, 2002.

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