

ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT

FISCAL YEAR 2011

TABLE 7

National Forest Land Planted with Known Seed Source

Region	Species	Selective Breeding	Seed Orchard	Select Tree	Seed			Other	Vegetative Material	Total
					Production Area	Seed Stand	Seed Zone			
1	LAOC	75	0	0	9	755	1,973	0	0	2,812
	PIAL	0	0	0	0	73	232	0	0	305
	PICO	0	0	1	0	19	413	0	0	433
	PIEN	0	0	0	0	39	562	0	0	601
	PIMO3	1,365	0	0	0	0	0	0	0	1,365
	PIPO	0	0	0	0	212	2,950	0	0	3,161
	PSME	32	0	0	0	148	1,084	0	0	1,265
Subtotal, R-1		1,472	0	1	9	1,246	7,215	0	0	9,942
2	PICO	0	0	0	0	0	575	0	0	575
	PIEN	0	0	140	0	0	292	0	0	432
	PIPO	0	0	887	0	0	877	0	0	1,764
	PIPU	0	0	0	0	0	11	0	0	11
	PSME	0	0	0	0	0	185	0	0	185
Subtotal, R-2		0	0	1,027	0	0	1,940	0	0	2,967
3	PIPO	0	0	0	0	0	517	0	0	517
	Subtotal, R-3		0	0	0	0	0	517	0	0
4	LAOC	0	0	0	0	0	769	0	0	769
	PIAL	0	0	0	0	0	149	0	0	149
	PICO	0	0	0	0	17	1,163	0	0	1,180
	PIEN	0	0	0	0	0	567	0	0	567
	PIJE	0	0	0	0	43	0	0	0	43
	PIPO	0	0	0	0	0	3,022	0	0	3,022
	PSME	0	0	0	0	0	1,586	0	0	1,586
Subtotal, R-4		0	0	0	0	60	7,256	0	0	7,316
5	ABCO	0	0	74	0	0	307	0	0	381
	ABLA	0	0	0	0	0	1	0	0	1
	ABMA	0	23	17	0	0	1	0	0	41
	BEPA	0	0	0	0	0	1	0	0	1
	CADE27	0	61	372	1	0	18	0	0	453
	CHLA	0	0	10	0	0	0	0	0	10
	LAOC	0	0	0	0	0	1	0	0	1
	PICO3	0	0	0	0	0	2,046	0	0	2,046
	PIJE	0	191	306	0	0	1,733	0	0	2,230
	PILA	0	15	224	0	0	266	0	0	505
	PIMO3	0	0	0	0	0	40	0	0	40

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					Production Area	Seed Stand	Seed Zone			
	PIPO	0	314	3,032	0	0	1,926	0	0	5,271
	PIQU	0	0	0	0	0	7	0	0	7
	PISI	0	0	0	0	0	1	0	0	1
	PSMA	0	0	0	0	0	1,304	0	0	1,304
	PSME	0	87	4,177	0	24	383	1	0	4,672
	QUAG	0	0	0	0	0	15	0	0	15
	QUCH2	0	0	0	0	0	1	0	0	1
	SEGI2	0	0	10	0	0	8	0	0	18
	THPL	0	0	0	0	0	1	0	0	1
	TSHE	0	0	0	0	0	1	0	0	1
	Subtotal, R-5	0	692	8,221	1	24	8,058	1	0	16,997
6	ABPR	0	0	301	0	0	16	0	0	317
	ACMA3	0	0	0	0	0	1	0	0	1
	CHLA	0	0	0	0	0	211	0	0	211
	LOAC	0	0	87	0	155	299	15	0	556
	PICO	0	0	0	0	0	0	0	0	0
	PIEN	0	0	14	0	7	155	0	0	176
	PILA	0	0	33	0	24	177	0	0	234
	PIMO	0	0	7	0	0	0	0	0	7
	PIMO3	13	56	4	94	1	22	33	0	223
	PIPO	0	0	3,976	0	1,829	1,592	0	0	7,397
	POTR5	0	0	0	0	0	0	0	6	6
	PSME	13	19	389	0	433	789	49	0	1,692
	THPL	0	0	15	0	0	10	13	0	38
	Subtotal, R-6	26	75	4,826	94	2,449	3,272	110	6	10,858
8	CADE12	4	0	0	0	0	0	0	0	4
	PIEC2	0	2,413	72	47	0	123	131	0	2,786
	PIEL	0	16	0	0	0	0	0	0	16
	PINUS	0	43	0	0	0	0	0	0	43
	PIPA2	0	1,210	312	0	0	1,685	281	0	3,488
	PIRI	0	0	0	0	0	0	29	0	29
	PIRU	0	0	0	0	0	4	0	0	4
	PITA	0	187	0	0	0	0	100	0	287
	QUAL	0	9	0	0	0	0	92	0	100
	QUERC	0	0	0	0	0	3	0	0	3
	QUMA2	0	0	0	0	0	5	0	0	5
	QUPA2	0	0	0	0	0	3	0	0	3

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	QUPH	0	0	0	0	0	3	0	0	3
	QUPR2	0	0	0	0	0	1	0	0	1
	QURU	0	117	0	0	0	0	4	0	120
	Subtotal, R-8	4	3,994	384	47	0	1,828	636	0	6,892
9	ABBA	0	2	0	0	0	7	0	0	8
	BEAL2	0	8	0	0	0	7	0	0	15
	BEPA	0	7	0	0	0	10	0	0	18
	CADE12	2	0	0	0	0	0	0	0	2
	JUCI	0	0	5	0	0	0	0	0	5
	LALA	0	36	0	0	0	1	0	0	38
	LITU	0	0	0	0	2	0	0	0	2
	PIBA2	48	192	0	0	24	2,533	0	0	2,796
	PIEC2	0	514	0	0	0	0	0	0	514
	PIGL	40	237	0	0	0	238	0	0	515
	PIMA	0	64	0	0	0	7	0	0	70
	PINI	0	17	0	0	0	0	0	0	17
	PIRE	33	270	0	0	0	641	0	0	944
	PIST	55	1,331	3	10	0	168	0	0	1,568
	QUERC	0	11	0	0	0	6	0	0	17
	QUMA2	4	0	0	0	0	0	0	0	4
	QURU	4	0	0	0	76	197	0	0	277
	QUVE	0	0	0	0	0	3	0	0	3
	SOAM3	0	0	0	0	0	1	0	0	1
	THOC2	0	7	0	0	5	18	0	0	30
	TSCA	0	16	0	0	0	6	0	0	21
	Subtotal, R-9	185	2,711	8	10	108	3,842	0	0	6,864
10		0	0	0	0	0	5	0	0	5
	Subtotal, R-10	0	0	0	0	0	5	0	0	5
	ALL	1,687	7,472	14,466	162	3,886	33,932	747	6	62,359
	Percent of Total	2.7	12.0	23.2	0.3	6.2	54.4	1.2	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. 4310-4319	Act. 4320-4329	Act. 4330-4339
1	80,593	26,841	24,526
2	32,670	0	8,790
3	8,191	0	15,034
4	8,644	2,041	2,019
5	11,051	654	1,556
6	5,678	4,754	264
8	140,247	0	2,360
9	11,890	0	2,111
10	27,450	0	1,662
ALL	326,414	34,290	58,322

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TABLE 9

PLANTING

Activity Codes 4430-4449

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	3,059	2,952	1,888	3	0	2,040	9,942
2	44	1,817	879	0	0	604	3,344
3	0	591	0	0	0	461	1,052
4	19	2,878	273	0	0	4,146	7,316
5	11	5,644	834	17	0	11,437	17,943
6	2,803	7,809	1,799	0	0	1,178	13,589
8	602	3,338	2,571	0	0	399	6,910
9	942	983	3,567	0	0	2,499	7,991
10	0	0	0	0	0	5	5
ALL	7,480	26,012	11,811	20	0	22,769	68,092

TABLE 10

SEEDING

Activity Codes 4410-4429

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
8	0	374	1,331	0	0	0	1,705
9	116	118	817	0	0	0	1,051
10	0	0	0	0	0	0	0
ALL	116	492	2,148	0	0	0	2,756

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TABLE 11

SITE PREPARATION FOR NATURAL REGENERATION

Activity Codes 4490-4499

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	165	70	184	0	42	262	723
2	121	69	539	0	0	119	848
3	0	67	0	0	0	45	112
4	518	1,305	0	0	0	0	1,823
5	0	0	94	0	0	612	706
6	1,253	1,064	112	0	0	686	3,115
8	22,103	1,402	10,422	0	0	1,035	34,962
9	2,115	578	12,208	0	0	2,395	17,296
10	0	0	0	0	0	0	0
ALL	26,275	4,555	23,559	0	42	5,154	59,585

TABLE 11A

NATURAL REGENERATION WITHOUT SITE PREPARATION

Activity Codes 4382

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	21,464	6,323	275	0	0	1,558	29,620
2	7,129	17,952	435	0	0	259	25,775
3	0	2,102	0	0	0	233	2,335
4	0	5,361	259	0	0	3,383	9,003
5	0	1,113	0	0	0	0	1,113
6	2,961	4,341	179	0	0	976	8,457
8	0	0	96	0	0	0	96
9	338	1,062	5,441	0	0	73	6,914
10	0	481	1,103	0	0	0	1,584
ALL	31,892	38,735	7,788	0	0	6,482	84,897

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TABLE 12

SITE PREPARATION FOR PLANTING OR SEEDING

Activity Codes 4470-4489

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	0	20	589	0	26	903	1,538
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	254	297	0	0	0	0	551
5	6	2,310	243	0	0	2,927	5,486
6	42	131	1,519	0	0	98	1,790
8	234	2,438	4,747	0	0	1,522	8,941
9	615	116	2,624	0	58	1,089	4,502
10	0	0	0	0	0	0	0
ALL	1,151	5,312	9,722	0	84	6,539	22,808

TABLE 13

RELEASE AND WEEDING

Activity Codes 4510-4519

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	525	0	59	0	0	595	1,179
2	915	1,106	1,061	0	0	3,673	6,755
3	0	0	0	0	0	2,451	2,451
4	2,039	0	321	0	0	531	2,891
5	127	6,621	880	17	0	3,758	11,403
6	128	105	1,089	0	0	13,340	14,662
8	15,325	2,953	8,892	0	0	3,978	31,148
9	4,044	1,943	1,864	717	0	776	9,344
10	0	0	0	0	0	0	0
ALL	23,103	12,728	14,166	734	0	29,102	79,833

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TABLE 14

PRECOMMERCIAL THINNING

Activity Codes 4520-4529

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	6,332	18	89	0	0	3,605	10,044
2	6,670	1,665	2,106	0	0	11,712	22,153
3	3,174	611	280	0	0	12,527	16,592
4	7,571	33	0	0	0	6,450	14,054
5	963	1,418	1,393	0	0	22,336	26,110
6	2,106	6,013	4,223	0	0	23,541	35,883
8	4,976	2,493	1,488	0	0	868	9,825
9	1,981	556	672	0	0	1,269	4,478
10	2,502	3,133	0	133	0	1019	6787
ALL	36,275	15,940	10,251	133	0	83,327	145,926

TABLE 15

PRUNING

Activity Codes 4530-4539

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	515	0	0	0	0	5,098	5,613
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	61	15	0	0	1,290	1,366
6	148	0	415	0	0	1,152	1,715
8	0	0	0	0	0	0	0
9	257	163	5	0	0	3	428
10	0	0	0	0	0	0	0
ALL	920	224	435	0	0	7,543	9,122

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TABLE 16

FERTILIZATION OF ESTABLISHED STANDS

Activity Codes 4550-4559

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	806	806
6	0	0	80	0	0	471	551
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
ALL	0	0	80	0	0	1,277	1,357

TABLE 17

PRESCRIBED BURNING TO CONTROL UNDERSTORY

Activity Codes 4541

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
8	91	0	4,371	0	0	0	4,462
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
ALL	91	0	4,371	0	0	0	4,462

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TABLE 18

ANIMAL CONTROL FOR REFORESTATION

Activity Codes 4460-4469

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	322	1,064	485	0	0	32	1,903
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	471	0	0	0	0	335	806
5	12	177	398	0	0	420	1,007
6	950	1,292	1,026	0	0	2	3,270
8	0	0	0	0	0	0	0
9	386	410	445	0	0	26	1,267
10	0	0	0	0	0	0	0
ALL	2,141	2,943	2,354	0	0	815	8,253

TABLE 19

ANIMAL CONTROL FOR TIMBER STAND IMPROVEMENT

Activity Codes 4560-4569

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	400	785	1,447	0	0	112	2,744
10	0	0	0	0	0	0	0
ALL	400	785	1,447	0	0	112	2,744

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TABLE 20

REGENERATION AND INTERMEDIATE HARVEST ACRES

	Clearcut	Prep cut	Seed cut	Removal cut	Selection cut	Improvement cut	Thinning	Sanitation cut	Special cut	Total
				4140-4149						
FACTS	4110-4119	4120-4129,	4130-4139	4160,4186			4200,			
Code	4162-4177	4192	4183,4194	4195,4196	4150-4159	4210-4219	4220-4229	4230-4239	4240-4249	4110-4249
Region										
1	958	507	2,322	312	862	1,418	3,452	1,170	0	11,001
2	1,402	0	2,789	5,779	1,917	1,206	18,141	4,803	0	36,037
3	0	0	0	0	202	39	8,574	1,869	0	10,684
4	742	0	288	0	1,301	195	3,505	584	0	6,615
5	639	0	0	0	591	168	9,022	1,753	927	13,100
6	54	210	796	50	4,773	224	25,086	3,163	4	34,360
8	2,120	37	2,981	895	1,918	38	33,862	3,400	0	45,251
9	6,808	493	3,369	1,214	6,427	788	13,072	4,418	0	36,589
10	1,768	0	0	0	14	15	21	26	0	1,844
ALL	14,491	1,247	12,545	8,250	18,005	4,091	114,735	21,186	931	195,481

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TABLE 21

CERTIFICATION OF REFORESTATION AND TIMBER STAND IMPROVEMENT ACREAGES

Region	Reforestation					Timber Stand Improvement					
	Planted	Seeded	Natural Regen W/Site Preparation	Natural Regen W/O Site Preparation	Total Reforestation	Cleaning	Release	Pre. Comm. Thinning	Fertilization	Pruning	Total TSI
1	7,299	0	699	29,620	37,618	0	658	6,318	0	2,965	9,941
2	1,950	0	1,349	25,775	29,074	0	2,844	9,204	0	0	12,048
3	328	0	0	2,335	2,663	0	1,331	8,256	0	0	9,587
4	9,989	0	647	9,003	19,639	0	3,205	7,844	0	0	11,049
5	841	0	0	1,113	1,954	0	9,036	14,424	806	4,162	28,428
6	4,939	0	490	8,457	13,886	0	13,136	28,337	140	1,344	42,957
8	2,426	2,282	3,203	96	8,007	0	25,480	6,054	0	0	31,534
9	4,301	221	10,339	6,913	21,774	0	8,324	1,886	0	1,191	11,401
10	0	0	0	1,584	1,584	0	0	5,489	0	0	5,489
ALL	32,073	2,503	16,727	84,896	136,199	0	64,014	87,812	946	9,662	162,434

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APPENDIX A

Hardwoods

Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name
0312	ACMA3	bigleaf maple
0371	BEAL2	yellow birch
0375	BEPA	paper birch
0421	CADE12	American chestnut
0601	JUCI	butternut
0621	LITU	tuliptree
0746	POTR5	quaking aspen
0800	QUERC	oak species
0801	QUAG	California live oak
0802	QUAL	white oak
0805	QUCH2	canyon live oak
0823	QUMA2	bur oak
0830	QUPA2	pin oak
0831	QUPH	willow oak
0832	QUPR2	chestnut oak
0833	QURU	northern red oak
0837	QUVE	black oak
0935	SOAM3	American mountain ash

Conifers

Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name
0012	ABBA	balsam fir
0015	ABCO	white fir
0019	ABLA	subalpine fir
0020	ABMA	California red fir
0022	ABPR	noble fir
0041	CHLA	Port Orford cedar
0071	LALA	tamarack
0073	LAOC	western larch
0081	CADE27	incense cedar
0093	PIEN	Engelmann spruce
0094	PIGL	white spruce
0095	PIMA	black spruce
0097	PIRU	red spruce
0098	PISI	Sitka spruce
0100	PINUS	pine spp.
0101	PIAL	whitebark pine
0105	PIBA2	jack pine
0108	PICO	lodgepole pine
0109	PICO3	Coulter pine
0110	PIEC2	shortleaf pine
0111	PIEL	slash pine
0116	PIJE	Jeffrey pine
0117	PILA	sugar pine
0119	PIMO3	western white pine
N/A	PINI	austrian pine
0121	PIPA2	longleaf pine
0122	PIPO	ponderosa pine
N/A	PIQU	parry pinyon
0125	PIRE	red pine
0126	PIRI	pitch pine
0129	PIST	eastern white pine
0131	PITA	loblolly pine
0133	PIMO	singleleaf pinyon
0201	PSMA	bigcone Douglas-fir
0202	PSME	Douglas-fir
0212	SEGI2	giant sequoia
0241	THOC2	northern white cedar
0242	THPL	western red cedar
0261	TSCA	eastern hemlock
0263	TSHE	western hemlock