

ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT

FISCAL YEAR 2013

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	155	0	0	0	446	1,401	0	0	2,002
	PIAL	20	0	52	0	32	260	0	0	364
	PICEA	0	0	0	0	0	10	0	0	10
	PICO	0	0	0	0	31	898	0	0	929
	PIEN	0	0	0	0	74	254	27	0	355
	PIMO3	989	0	0	0	0	0	0	0	989
	PIPO	0	0	51	0	379	2,078	0	0	2,508
	PSME	0	0	28	0	50	705	0	0	782
Subtotal, R-1		1,164	0	131	0	1,012	5,605	27	0	7,938
2	PIAL	0	0	0	0	0	31	0	0	31
	PICO	0	0	0	0	226	4	0	0	230
	PIEN	0	0	386	0	0	362	0	0	748
	PIPO	0	0	0	0	0	397	0	0	397
	PSME	0	0	0	0	0	19	0	0	19
Subtotal, R-2		0	0	386	0	226	813	0	0	1,425
3	PIPO	0	0	0	171	0	2,165	0	0	2,336
	PSME	0	0	0	0	0	825	0	0	825
Subtotal, R-3		0	0	0	171	0	2,990	0	0	3,161
4	PIAL	0	0	1	0	0	197	0	0	198
	PICO	0	0	0	0	0	679	0	0	679
	PIEN	0	0	0	0	0	638	0	0	638
	PIPO	0	0	0	0	0	465	0	0	465
	PSME	0	0	0	0	0	1,212	0	0	1,212
Subtotal, R-4		0	0	1	0	0	3,189	0	0	3,190
5	ABCO	0	0	0	0	0	27	0	0	27
	ABMA	0	3	25	0	0	0	0	0	28
	CADE27	0	29	85	0	0	41	0	0	155
	PICO3	0	0	0	0	0	831	0	0	831
	PIJE	0	174	391	1	0	1,212	0	0	1,778
	PILA	0	87	160	24	0	159	0	0	430
	PIPO	0	308	564	230	4	1,916	0	0	3,021
	PISA2	0	0	0	0	0	8	0	0	8
	POTR5	0	0	1	0	0	1	0	0	2
	PSMA	0	0	0	0	0	540	0	0	540
	PSME	0	160	206	0	0	0	0	0	366
	QUCH2	0	0	0	0	0	5	0	0	5
	QUDO	0	0	0	0	0	3	0	0	3
Subtotal, R-5		0	760	1,432	255	4	4,742	0	0	7,193

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					Production Area	Seed Stand	Seed Zone			
6	ABPR	0	0	8	0	0	32	0	0	40
	CADE27	0	0	0	0	0	2	9	0	11
	LAOC	0	0	92	0	158	389	0	0	639
	PICO	0	0	0	0	0	32	0	0	32
	PIEN	0	0	39	0	0	178	0	0	216
	PILA	0	0	53	0	0	69	0	0	122
	PIMO3	62	94	27	111	0	0	0	0	293
	PIPO	0	0	969	0	35	3,906	54	0	4,964
	PISI	0	0	0	0	0	2	0	0	2
	PSME	0	0	523	0	24	553	0	0	1,101
	THPL	0	0	0	0	0	10	32	0	42
	TSHE	0	0	0	0	0	0	0	0	0
Subtotal, R-6		62	94	1,710	111	218	5,173	96	0	7,462
8	CADE12	10	0	0	0	0	0	0	0	10
	PIEC2	0	1,887	97	0	0	0	163	0	2,147
	PINUS	0	1,362	0	0	0	0	0	0	1,362
	PIPA2	0	1,727	129	0	0	481	434	0	2,771
	PIPU5	0	0	25	0	0	0	0	0	25
	PIRU	0	0	0	0	0	16	0	0	16
	PITA	0	0	22	0	0	0	0	0	22
	POGR4	0	5	0	0	0	0	0	0	5
	QUAL	0	44	0	0	0	0	69	0	113
	QUBI	0	0	0	0	0	3	0	0	3
	QUMI	0	0	0	0	0	3	0	0	3
	QUPA2	0	0	0	0	0	4	0	0	4
	QUPH	0	0	0	0	0	3	0	0	3
	QURU	21	146	0	31	0	55	0	0	253
	QUTE	0	0	0	0	0	0	131	0	131
Subtotal, R-8		31	5,172	273	31	0	564	797	0	6,868
9	ABBA	0	0	0	0	0	16	0	0	16
	BEAL2	0	0	0	0	0	61	0	0	61
	BEPA	0	0	0	0	0	26	0	0	26
	CEOC	0	0	0	0	0	2	0	0	2
	LALA	0	0	0	0	0	20	0.2	0	20
	LARIX	0	0	0	0	0	2	0	0	2
	PIBA2	0	237	0	0	0	1,216	627	0	2,079
	PIEC2	0	206	0	0	0	0	0	0	206
	PIGL	0	8	0	0	19	844	24	0	895
	PIMA	0	0	0	0	11	18	0	0	29
	PIRE	0	225	0	0	46	444	0	0	715

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					Production Area	Seed Stand	Seed Zone			
	PIST	0	669	0	164	0	278	0	0	1,111
	QUAL	0	0	0	0	0	1	1	0	2
	QURU	0	0	0	0	186	216	0	0	402
	QUVE	0	0	0	0	0	2	0	0	2
	SOAM3	0	0	0	0	0	3	0	0	3
	THOC2	0	0	0	0	6	3	0	0	9
	TSCA	0	115	0	0	17	15	0	0	147
	Subtotal, R-9	0	1,460	0	164	284	3,166	653	0	5,726
10		0	0	0	0	0	0	0	0	0
	Subtotal, R-10	0	0	0	0	0	0	0	0	0
	ALL	1,257	7,486	3,932	731	1,743	26,241	1,572	0	42,962
	Percent of Total	2.9	17.4	9.2	1.7	4.1	61.1	3.7	0.0	100.0

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TABLE 8

SILVICULTURAL EXAMINATIONS AND PRESCRIPTIONS

ACRES

Region	Silvicultural Exam Act. 4310-4319	Diagnosis Act. 4320-4329	Prescription Act. 4330-4339
1	39,671	13,638	18,812
2	3,008	0	0
3	7,975	3,811	6,990
4	10,264	11,858	2,024
5	3,874	624	1,302
6	6,768	0	2,282
8	91,319	0	0
9	21,569	0	0
10	16,807	0	4,515
ALL	201,255	29,931	35,925

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TABLE 9

PLANTING

Activity Codes 4430-4449

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	2,285	2,446	0	0	2,400	807	7,938
2	255	1,602	91	0	0	0	1,121	3,069
3	0	3,481	0	0	0	0	253	3,734
4	0	746	10	0	0	2,387	197	3,340
5	223	4,031	549	0	0	0	3,065	7,868
6	3,083	7,321	1,165	0	0	0	307	11,876
8	1,561	2,436	3,155	74	0	0	2,892	10,118
9	1,177	1,782	3,721	0	0	0	1,097	7,777
10	0	3	699	0	0	0	0	702
ALL	6,299	23,687	11,836	74	0	4,787	9,739	56,422

TABLE 10

SEEDING

Activity Codes 4410-4429

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
8	0	474	1,872	0	0	0	0	2,346
9	240	6	212	0	0	0	0	458
10	0	97	0	0	0	0	0	97
ALL	240	577	2,084	0	0	0	0	2,901

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TABLE 11

SITE PREPARATION FOR NATURAL REGENERATION

Activity Codes 4490-4499

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	53	0	0	207	557	817
2	19	43	71	0	0	0	35	168
3	0	9	0	0	0	0	61	70
4	0	1,021	0	0	0	570	143	1,734
5	0	0	101	0	0	0	0	101
6	3,093	2,989	33	0	0	0	0	6,115
8	954	2,390	6,798	50	0	0	542	10,734
9	909	693	15,886	0	0	0	2,735	20,223
10	0	0	0	0	0	0	0	0
ALL	4,975	7,145	22,942	50	0	777	4,073	39,962

TABLE 11A

NATURAL REGENERATION WITHOUT SITE PREPARATION

Activity Codes 4382

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	3,250	27	0	0	11,492	180	14,949
2	5,168	13,763	1	0	0	0	903	19,835
3	0	6,294	0	0	0	0	1,292	7,586
4	0	9,360	34	0	0	2,361	783	12,538
5	0	4,000	62	0	0	0	255	4,317
6	3,861	6,255	30	0	0	0	48	10,194
8	40	211	345	0	0	0	0	596
9	1,088	5,104	6,151	0	0	0	358	12,701
10	0	89	725	0	0	0	0	814
ALL	10,157	48,326	7,375	0	0	13,853	3,819	83,530

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TABLE 12

SITE PREPARATION FOR PLANTING OR SEEDING

Activity Codes 4470-4489

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	93	547	0	42	93	542	1,317
2	1	0	0	0	44	0	0	45
3	0	0	0	0	0	0	0	0
4	0	153	0	0	0	0	0	153
5	108	942	139	22	0	0	2,137	3,348
6	0	355	315	0	0	0	81	751
8	113	6,450	5,480	0	0	0	3,389	15,432
9	1,165	305	1,206	0	0	0	497	3,173
10	0	0	0	0	0	0	0	0
ALL	1,387	8,298	7,687	22	86	93	6,646	24,219

TABLE 13

RELEASE AND WEEDING

Activity Codes 4510-4519

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	25	0	0	123	933	1,081
2	1,057	162	1,700	0	0	0	3,412	6,331
3	0	0	35	0	0	273	1,612	1,920
4	0	414	490	0	0	1,798	289	2,991
5	1,101	6,019	235	144	0	0	2,861	10,360
6	248	18	516	0	0	0	5,256	6,038
8	22,602	6,500	4,544	0	0	0	5,275	38,921
9	5,846	1,802	1,812	0	0	0	2,032	11,492
10	0	0	0	0	0	0	0	0
ALL	30,854	14,915	9,357	144	0	2,194	21,670	79,134

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TABLE 14

PRECOMMERCIAL THINNING

Activity Codes 4520-4529

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	293	32	0	5,042	3,877	9,244
2	2,597	466	1,831	0	0	0	9,908	14,802
3	0	456	453	0	0	8,990	24,651	34,550
4	29	857	0	0	0	2,033	4,913	7,832
5	743	4,450	1,160	559	0	0	11,562	18,474
6	2,450	4,744	3,235	980	0	0	34,944	46,353
8	2,507	2,767	290	0	0	0	666	6,230
9	1,361	704	1,156	0	0	0	756	3,977
10	2,814	3,087	107	0	0	0	391	6,399
ALL	12,501	17,531	8,525	1,571	0	16,065	91,668	147,861

TABLE 15

PRUNING

Activity Codes 4530-4539

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	450	0	0	0	179	3,258	3,887
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	30	547	22	0	0	0	70	669
6	0	0	638	0	0	0	1,455	2,093
8	0	0	0	0	0	0	0	0
9	1,503	113	0	0	0	0	176	1,792
10	0	0	0	0	0	0	0	0
ALL	1,533	1,110	660	0	0	179	4,959	8,441

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TABLE 16

FERTILIZATION OF ESTABLISHED STANDS

Activity Codes 4550-4559

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	172	0	0	0	0	1,219	1,391
6	0	0	101	0	0	0	0	101
8	0	0	0	0	0	0	145	145
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
ALL	0	172	101	0	0	0	1,364	1,637

TABLE 17

PRESCRIBED BURNING TO CONTROL UNDERSTORY

Activity Codes 4541

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
8	2,764	0	10,253	0	0	0	355	13,372
9	0	0	0	0	0	0	157	157
10	0	0	0	0	0	0	0	0
ALL	2,764	0	10,253	0	0	0	512	13,529

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TABLE 18

ANIMAL CONTROL FOR REFORESTATION

Activity Codes 4460-4469

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	537	81	0	0	368	0	986
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	61	61
4	0	247	727	0	0	230	0	1,204
5	0	103	294	0	0	0	359	756
6	1,103	1,272	1,122	0	0	0	42	3,539
8	0	0	0	0	0	0	0	0
9	662	257	642	10	0	0	29	1,600
10	0	0	0	0	0	0	0	0
ALL	1,765	2,416	2,866	10	0	598	491	8,146

TABLE 19

ANIMAL CONTROL FOR TIMBER STAND IMPROVEMENT

Activity Codes 4560-4569

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	47	0	0	0	0	0	0	47
6	0	0	1	0	0	0	0	1
8	0	0	0	0	0	0	0	0
9	488	1,212	1,293	0	0	0	30	3,023
10	0	0	694	0	0	0	0	694
ALL	535	1,212	1,988	0	0	0	30	3,765

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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
FACTS Code	4110-4119 4162-4177	4120-4129, 4192	4130-4139 4183,4194	4140-4149 4160,4186 4195,4196	4150-4159	4210-4219	4200, 4220- 4229	4230-4239	4240-4249	4110-4249
Region										
1	1,247	406	2,471	628	367	2,235	4,267	3,755	0	15,376
2	2,171	268	2,888	3,977	1,857	2,690	11,602	3,898	0	29,351
3	77	0	0	997	2,416	699	8,256	2,848	0	15,293
4	508	0	170	0	86	149	2,737	3,811	0	7,461
5	173	0	0	0	964	70	12,871	5,461	0	19,539
6	5	112	513	112	1,608	648	22,027	440	0	25,465
8	5,391	242	4,991	1,152	700	1,212	33,700	6,789	0	54,177
9	10,488	730	3,123	978	8,576	640	11,680	5,043	0	41,258
10	1,166	0	0	0	203	0	0	0	0	1,369
ALL	21,226	1,758	14,156	7,844	16,777	8,343	107,140	32,045	0	209,289

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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	8,657	0	1,008	14,949	24,614	0	1,081	6,581	0	2,963	10,625
2	329	0	383	19,835	20,547	0	5,072	9,530	0	0	14,602
3	0	0	0	7,586	7,586	0	1,057	9,617	0	0	10,674
4	3,720	0	2,490	12,538	18,748	0	3,364	5,495	0	0	8,859
5	5,229	0	209	4,317	9,755	0	11,129	15,507	1,219	201	28,056
6	9,211	0	1,548	10,194	20,953	0	3,135	30,356	101	542	34,134
8	1,657	1,779	2,455	596	6,487	0	35,236	4,207	145	0	39,588
9	5,727	449	8,915	12,701	27,792	0	9,322	2,062	0	1,256	12,640
10	0	0	0	814	814	0	0	6,148	0	0	6,148
ALL	34,530	2,228	17,008	83,530	137,296	0	69,396	89,503	1,465	4,962	165,326

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APPENDIX A

Hardwoods

Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name
0371	BEAL2	yellow birch
0375	BEPA	paper birch
0421	CADE12	American chestnut
0462	CEOC	common hackberry
0743	POGR4	bigtooth aspen
0746	POTR5	quaking aspen
0802	QUAL	white oak
0804	QUBI	swamp white oak
0805	QUCH2	canyon live oak
0807	QUDO	blue oak
0825	QUMI	swamp chestnut oak
0828	QUTE	nuttall oak
0830	QUPA2	pin oak
0831	QUPH	willow 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
0020	ABMA	California red fir
0022	ABPR	noble fir
0070	LARIX	larch
0071	LALA	tamarack
0073	LAOC	western larch
0081	CADE27	incense cedar
0090	PICEA	spruce spp.
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
0116	PIJE	Jeffrey pine
0117	PILA	sugar pine
0119	PIMO3	western white pine
0121	PIPA2	longleaf pine
0122	PIPO	ponderosa pine
0123	PIPU5	table mountain pine
0125	PIRE	red pine
0127	PISA2	digger pine
0129	PIST	eastern white pine
0131	PITA	loblolly pine
0201	PSMA	bigcone Douglas-fir
0202	PSME	Douglas-fir
0241	THOC2	northern white cedar
0242	THPL	western red cedar
0261	TSCA	eastern hemlock
0263	TSHE	western hemlock