

ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT

FISCAL YEAR 2016

TABLE 7

National Forest Land Planted with Known Seed Source

Region	Species	Selective Breeding	Seed Orchard	Select Tree	Seed Production Area	Seed Stand	Seed Zone	Other	Vegetative Material	Total
1	LAOC	10.3	4.3	0.0	0.0	743.4	959.4	0.0	0.0	1,717.4
	PIAL	0.0	0.0	8.0	29.0	32.0	129.7	0.0	0.0	198.7
	PICO	0.0	0.0	0.0	0.0	67.4	73.1	0.0	0.0	140.5
	PIEN	0.0	0.0	0.0	71.0	105.4	225.5	0.0	0.0	401.9
	PIMO3	1,061.6	0.0	0.0	0.0	4.5	0.0	0.0	0.0	1,066.1
	PIPO	27.4	0.0	0.0	0.0	526.8	1,827.3	0.0	0.0	2,381.5
	PSME	1.4	0.0	0.0	186.2	127.6	343.0	0.0	0.0	658.2
	SALIX	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	3.3
Subtotal, R-1		1,100.7	4.3	8.0	286.2	1,607.1	3,561.3	0.0	0.0	6,567.6
2	PICO	0.0	0.0	0.0	0.0	74.0	88.0	0.0	0.0	162.0
	PIEN	0.0	0.0	310.4	0.0	0.0	819.6	0.0	0.0	1,130.0
	PIPO	0.0	0.0	0.0	0.0	0.0	1,592.6	0.0	0.0	1,592.6
	PSME	0.0	0.0	0.0	0.0	0.0	77.4	0.0	0.0	77.4
Subtotal, R-2		0.0	0.0	310.4	0.0	74.0	2,577.6	0.0	0.0	2,962.0
3	PIPO	0.0	0.0	0.0	0.0	0.0	327.0	0.0	0.0	327.0
	POTR5	0.0	0.0	0.0	0.0	0.4	13.9	0.0	0.0	14.3
Subtotal, R-3		0.0	0.0	0.0	0.0	0.4	340.9	0.0	0.0	341.3
4	PIEN	0.0	0.0	0.0	0.0	0.0	86.0	0.0	0.0	86.0
	PIPO	0.0	0.0	0.0	0.0	0.0	2,925.0	0.0	0.0	2,925.0
Subtotal, R-4		0.0	0.0	0.0	0.0	0.0	3,011.0	0.0	0.0	3,011.0
5	ABCO	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	16.0
	ABMA	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	13.0
	ABSH	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	10.0
	CADE27	0.0	27.1	57.2	15.4	0.0	67.5	0.0	0.0	167.2
	PIBA	0.0	0.0	0.0	0.0	0.0	37.0	0.0	0.0	37.0
	PICO3	0.0	0.0	0.0	0.0	0.0	174.6	0.0	0.0	174.6
	PIJE	0.0	812.9	7.0	1.2	0.0	308.8	0.0	0.0	1,129.9
	PILA	302.0	85.9	270.3	171.7	0.7	63.3	55.9	0.0	949.8
	PIMO	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	6.0
	PIMO3	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	5.9
	PIPO	0.0	1,076.5	867.7	56.8	184.1	1,587.3	134.1	0.0	3,906.5
	PISA2	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7
	PSMA	0.0	0.0	0.0	0.0	0.0	59.4	0.0	0.0	59.4
	PSME	0.0	808.0	250.0	16.2	0.0	90.3	0.0	0.0	1,164.5
SEGI2	0.0	0.0	0.5	0.0	0.0	19.1	0.0	0.0	19.6	
Subtotal, R-5		302.0	2,816.3	1,458.7	261.3	184.8	2,447.0	190.0	0.0	7,660.1
6	ABPR	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7
	CELE3	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	5.5
	LAOC	0.0	0.0	1.6	0.0	0.0	84.0	0.0	0.0	85.6

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	ALL	1,733.4	8,802.4	7,033.5	678.6	2,522.0	19,255.2	1,734.9	0.0	41,760.0
	Percent of Total	4.2	21.1	16.8	1.6	6.0	46.1	4.2	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	53,871	40,653	19,960
2	9,618	0	0
3	10,669	0	11,092
4	109,927	2,805	13,899
5	482	666	279
6	2,011	0	43
8	1,521	0	20,500
9	16,817	0	0
10	3,180	0	21
ALL	208,096	44,124	65,794

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TABLE 9

PLANTING

Activity Codes 4430-4449

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	2,196	2,087	8	0	1,708	573	6,572
2	0	2,957	200	0	0	0	610	3,767
3	0	1,193	0	0	0	0	454	1,647
4	0	365	30	0	0	3,495	0	3,890
5	774	11,177	38	0	0	0	780	12,769
6	39	8,059	1,472	0	0	0	513	10,083
8	93	1,050	4,392	0	0	0	1,305	6,840
9	1,654	2,279	3,698	0	0	0	857	8,488
10	0	0	0	0	0	0	0	0
ALL	2,560	29,276	11,917	8	0	5,203	5,092	54,056

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	218	2,263	0	0	0	0	2,481
9	0	15	232	0	0	0	319	566
10	53	0	0	0	0	0	0	53
ALL	53	233	2,495	0	0	0	319	3,100

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TABLE 11

SITE PREPARATION FOR NATURAL REGENERATION

Activity Codes 4490-4499

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	654	0	0	0	275	929
2	8	0	904	0	40	0	616	1,568
3	0	15	0	0	0	0	42,102	42,117
4	0	1,233	205	0	0	0	1,038	2,476
5	0	0	0	0	0	0	0	0
6	1,363	581	61	0	0	0	939	2,944
8	24	2,390	4,824	0	0	0	401	7,639
9	1,991	891	13,325	29	0	0	3,902	20,138
10	0	0	0	0	0	0	0	0
ALL	3,386	5,110	19,973	29	40	0	49,273	77,811

TABLE 11A

NATURAL REGENERATION WITHOUT SITE PREPARATION

Activity Codes 4382

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	115	14,738	21	0	0	8,896	1,285	25,055
2	3,763	17,604	2,068	0	0	0	1,980	25,415
3	0	10,850	0	0	0	167	0	11,017
4	0	5,170	161	0	0	1,858	0	7,189
5	897	1,790	22	0	0	0	98	2,807
6	61	6,172	70	0	0	0	115	6,418
8	57	0	35	0	0	0	0	92
9	5,867	807	5,050	0	0	0	110	11,834
10	29	18	807	0	0	0	0	854
ALL	10,789	57,149	8,234	0	0	10,921	3,588	90,681

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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	0	1,078	0	0	42	489	1,609
2	0	300	84	0	0	0	149	533
3	0	0	0	0	0	0	0	0
4	0	161	0	0	0	0	45	206
5	1,025	570	33	0	0	0	2,170	3,798
6	0	328	62	0	0	0	0	390
8	198	1,530	7,557	0	0	0	1,506	10,791
9	403	65	1,564	0	0	0	834	2,866
10	28	0	0	0	0	0	0	28
ALL	1,654	2,954	10,378	0	0	42	5,193	20,221

TABLE 13

RELEASE AND WEEDING

Activity Codes 4510-4519

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	38	0	0	118	773	929
2	289	373	48	0	0	0	2,797	3,507
3	0	202	67	0	0	5,260	8,602	14,131
4	0	236	510	0	0	550	380	1,676
5	529	4,238	642	0	0	0	5,012	10,421
6	19	959	336	0	0	0	0	1,314
8	10,356	6,276	6,178	0	0	0	7,964	30,774
9	9,700	1,981	2,232	6	0	0	8,496	22,415
10	0	0	0	0	0	0	0	0
ALL	20,893	14,265	10,051	6	0	5,928	34,024	85,167

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TABLE 14

PRECOMMERCIAL THINNING

Activity Codes 4520-4529

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	1,123	157	0	0	1,832	4,077	7,189
2	2,969	870	991	0	0	0	14,354	19,184
3	0	481	209	0	0	5,054	19,436	25,180
4	0	0	13	0	0	56	3,930	3,999
5	711	601	291	0	0	0	13,480	15,083
6	1,687	1,753	4,826	111	0	0	40,296	48,673
8	2,875	2,253	965	0	0	0	872	6,965
9	1,331	115	1,330	0	0	0	458	3,234
10	2,054	2,653	170	0	0	0	432	5309
ALL	11,627	9,849	8,952	111	0	6,942	97,335	134,816

TABLE 15

PRUNING

Activity Codes 4530-4539

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	27	0	0	0	89	2,541	2,657
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	80	80
4	0	0	0	0	0	0	0	0
5	163	250	0	0	0	0	736	1,149
6	27	11	360	0	0	0	717	1,115
8	0	0	0	0	0	0	0	0
9	122	40	62	0	0	0	256	480
10	0	297	0	0	0	0	182	479
ALL	312	625	422	0	0	89	4,512	5,960

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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	75	0	75
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	499	499
8	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
ALL	0	0	0	0	0	75	499	574

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	2,168	2,168
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	1,155	1,155
8	2,290	0	158	0	0	0	464	2,912
9	0	0	0	0	0	0	23	23
10	0	0	0	0	0	0	0	0
ALL	2,290	0	158	0	0	0	3,810	6,258

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TABLE 18

ANIMAL CONTROL FOR REFORESTATION

Activity Codes 4460-4469

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	943	535	0	0	103	88	1,669
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	3	2	5
4	0	18	820	0	0	230	6	1,074
5	20	466	0	0	0	0	0	486
6	57	2,011	274	0	0	0	0	2,342
8	0	0	0	0	0	0	0	0
9	1,740	906	748	0	0	0	845	4,239
10	0	0	0	0	0	0	0	0
ALL	1,817	4,344	2,377	0	0	336	941	9,815

TABLE 19

ANIMAL CONTROL FOR TIMBER STAND IMPROVEMENT

Activity Codes 4560-4569

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	40	0	0	0	0	0	40
6	0	0	0	0	0	0	31	31
8	0	0	0	0	0	0	0	0
9	187	0	151	0	0	0	114	452
10	0	0	0	0	0	0	0	0
ALL	187	40	151	0	0	0	145	523

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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	4200, 4210-4219	4220-4229	4230-4239	4240-4249	4110-4249
Region										
1	1,284	99	1,683	982	582	1,520	2,854	1,446	486	10,936
2	2,784	40	6,777	2,861	3,394	167	10,865	2,387	0	29,275
3	0	0	0	0	2,058	244	12,263	1,033	0	15,598
4	1,096	97	174	192	275	98	3,140	4,238	0	9,310
5	1,845	0	0	0	591	22	12,538	3,810	0	18,806
6	981	19	61	227	59	55	20,129	8,835	4	30,370
8	3,273	72	3,264	1,877	559	101	19,713	1,432	0	30,291
9	10,409	218	4,455	1,550	11,140	312	11,634	3,599	264	43,581
10	1,075	0	0	0	543	0	170	0	0	1,788
ALL	22,747	545	16,414	7,689	19,201	2,519	93,306	26,780	754	189,955

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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	6,189	0	200	25,055	31,444	0	866	7,107	75	2,207	10,255
2	2,115	0	226	25,415	27,756	0	3,962	16,014	0	0	19,976
3	0	0	0	11,017	11,017	0	12,564	14,495	0	36	27,095
4	1,685	0	1,156	7,189	10,030	0	1,944	4,430	0	0	6,374
5	1,118	0	210	2,807	4,135	0	8,743	8,817	0	834	18,394
6	2,526	0	4	6,418	8,948	0	1,361	27,722	0	430	29,513
8	2,458	0	2,140	92	4,690	0	26,384	7,823	0	0	34,207
9	4,378	618	7,817	11,833	24,646	0	16,668	3,825	0	346	20,839
10	699	17	0	854	1,570	0	0	4,205	0	0	4,205
ALL	21,168	635	11,753	90,680	124,236	0	72,492	94,438	75	3,853	170,858

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APPENDIX A

Hardwoods

Conifers

Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name	Forest Survey Code	USDA-NRCS PLANTS Symbol	Common Name
0312	ACMA3	bingleaf maple	0011	ABAM	Pacific silver fir
0317	ACSA2	silver maple	0012	ABBA	balsam fir
0318	ACSA3	sugar maple	0015	ABCO	white fir
0352	ALRH2	white alder	0017	ABGR	grand fir
0361	ARME	Pacific madrone	0018	ABLAA	corkbark fir
0371	BEAL2	yellow birch	0019	ABLA	subalpine fir
0375	BEPA	paper birch	0020	ABMA	California red fir
0400	CARYA	hickory	0022	ABPR	noble fir
0404	CAIL2	pecan	0041	CHLA	Port Orford cedar
0407	CAOV2	shagbark hickory	0070	LARIX	larch
0421	CADE12	American chestnut	0071	LALA	tamarack
0462	CEOC	common hackberry	0073	LAOC	western larch
0544	FRPE	green ash	0081	CADE27	incense cedar
0571	GYDI	Kentucky coffee tree	0090	PICEA	spruce spp.
0601	JUCI	butternut	0093	PIEN	Engelmann spruce
0602	JUNI	black walnut	0094	PIGL	white spruce
0621	LITU	tuliptree	0095	PIMA	black spruce
0651	MAAC	cucumber-tree	0096	PIPU	blue spruce
0731	PLOC	American sycamore	0097	PIRU	red spruce
0743	POGR4	bigtooth aspen	0098	PISI	Sitka spruce
0746	POTR5	quaking aspen	0100	PINUS	pine spp.
0747	POBAT	black cottonwood	0101	PIAL	whitebark pine
0749	POAN3	narrowleaf cottonwood	0103	PIAT	knobcone pine
0762	PRSE2	black cherry	0104	PIBA	foxtail pine
0768	PREM	bitter cherry	0105	PIBA2	jack pine
0800	QUERC	oak species	0108	PICO	lodgepole pine
0801	QUAG	California live oak	0109	PICO3	Coulter pine
0802	QUAL	white oak	0110	PIEC2	shortleaf pine
0804	QUBI	swamp white oak	0112	PIEN2	Apache pine
0805	QUCH2	canyon live oak	0113	PIFL2	limber pine
0809	QUEL	northern pin oak	0116	PIJE	Jeffrey pine
0812	QUFA	southern red oak	0117	PILA	sugar pine
0822	QULY	overcup oak	0119	PIMO3	western white pine
0823	QUMA2	bur oak	N/A	PINI	austrian pine
0827	QUNI	water oak	0121	PIPA2	longleaf pine
0828	QUTE	nuttall oak	0122	PIPO	ponderosa pine
0830	QUPA2	pin oak	N/A	PIQU	parry pinyon
0831	QUPH	willow oak	0125	PIRE	red pine
0832	QUPR2	chestnut oak	0126	PIRI	pitch pine
0833	QURU	northern red oak	0129	PIST	eastern white pine
0834	QUSH	Shumard's oak	0131	PITA	loblolly pine
0837	QUVE	black oak	0133	PIMO	singleleaf pinyon
0935	SOAM3	American mountain ash	0137	PIWA	Washoe pine
0951	TIAM	American basswood	0201	PSMA	bigcone Douglas-fir

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0202	PSME	Douglas-fir
0212	SEGI2	giant sequoia
0221	TADI2	bald cypress
0241	THOC2	northern white cedar
0242	THPL	western red cedar
0261	TSCA	eastern hemlock
0263	TSHE	western hemlock