

ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT
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TABLE 7
National Forest Land Planted with Known Seed Source
Seed Production

Region	Species	Selective Breeding	Seed Orchard	Select Tree	Area	Seed Stand	Seed Zone	Other	Vegetative Material	Total
R-1	LAOC	62	0.0	0.0	0.0	520.9	1,777.2	0.0	0.0	2,360
	PIAL	0	0.0	110.0	0.0	37.0	287.1	0.0	0.0	434
	PICO	0	0.0	0.0	0.0	4.6	388.4	0.0	0.0	393
	PIEN	0	0.0	0.0	0.0	21.8	182.4	0.0	0.0	204
	PIMO3	1,095	0.0	0.0	0.0	85.5	4.1	0.0	0.0	1,184
	PIPO	34	0.0	0.0	0.0	132.3	2,281.5	0.0	0.0	2,448
	PSME	0	0.0	0.0	0.0	74.1	1,154.6	0.0	0.0	1,229
Subtotal, R-1		1,191	0.0	110.0	0.0	876.2	6,075.3	0.0	0.0	8,252
R-2	PICO	0	222.0	0.0	0.0	206.0	395.0	0.0	0.0	823
	PIEN	0	0.0	267.4	0.0	0.0	167.0	0.0	0.0	434
	PIPO	0	0.0	411.0	0.0	0.0	1,271.5	0.0	0.0	1,683
	PSME	0	0.0	0.0	0.0	0.0	245.5	0.0	0.0	246
	Subtotal, R-2		0	222.0	678.4	0.0	206.0	2,079.0	0.0	0.0
R-3	PIEN	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	PIPO	0	0.0	285.0	0.0	0.0	467.0	0.0	0.0	752
	Subtotal, R-3		0	0	285	0	0	467	0	0
R-4	ABLA	0	0.0	0.0	0.0	0.0	30.3	0.0	0.0	30
	LAOC	0	0.0	0.0	0.0	0.0	37.6	0.0	0.0	38
	PIAL	0	0.0	0.0	0.0	0.0	221.0	0.0	0.0	221
	PICO	0	0.0	0.0	0.0	0.0	782.4	0.0	0.0	782
	PIEN	0	0.0	0.0	0.0	0.0	764.1	0.0	0.0	764
	PIPO	0	0.0	0.0	0.0	0.0	1,049.8	0.0	0.0	1,050
	POTR5	0	0.0	0.0	0.0	0.0	15.2	0.0	0.0	15
	PSME	0	0.0	0.0	0.0	0.0	772.6	0.0	0.0	773
	Subtotal, R-4		0	0	0	0	0	3,673	0	0
R-5	ABCO	0.0	0.0	0.0	0.0	0.0	30.3	0.0	0.0	30.3
	ABMA	0.0	10.3	0.0	0.0	0.0	28.0	0.0	0.0	38.3
	CADE27	0.0	10.7	21.2	0.8	0.0	69.5	0.0	0.0	102.2
	CELE3	0.0	0.0	0.0	0.0	0.0	23.1	0.0	0.0	23.1
	PICO3	0.0	0.0	0.0	0.0	0.0	32.9	0.0	0.0	32.9
	PIJE	0.0	51.8	67.7	0.0	0.0	1,153.6	0.0	0.0	1,273.1
	PILA	24.1	18.5	179.3	17.1	4.1	325.5	0.0	0.0	568.6
	PIPO	0.0	166.7	740.3	35.8	0.0	2,456.4	1.9	0.0	3,401.1
	PSMA	0.0	0.0	0.0	0.0	0.0	811.9	0.0	0.0	811.9
	PSME	0.0	232.3	356.9	0.0	5.2	390.5	0.0	0.0	984.9
	QUKE	0.0	0.0	0.0	0.0	0.0	17.7	0.0	0.0	17.7
Subtotal, R-5		24.1	490.3	1,365.4	53.7	9.3	5,339.4	1.9	0.0	7,284.1
R-6	ABPR	0.0	0.0	17.1	0.0	0.0	0.0	0.0	0.0	17.1
	ABSH	0.0	0.0	8.6	0.0	0.0	22.9	0.0	0.0	31.5
	ALRU2	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	7.4
	CADE27	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	13.9
	LAOC	0.0	0.0	320.7	0.0	10.0	568.2	150.0	0.0	1,048.9
	PIAL	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	10.0
	PICO	0.0	0.0	0.0	0.0	0.0	58.7	52.0	0.0	110.7
	PIEN	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	7.6
	PILA	0.0	225.6	26.1	0.0	42.1	0.0	4.3	0.0	298.1
	PIMO	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	3.3
	PIMO3	108.9	39.9	66.8	170.3	0.0	7.5	79.0	0.0	472.4
	PIPO	141.5	0.0	1,159.4	0.0	721.0	901.9	114.5	0.0	3,038.3
	PSME	59.8	10.6	251.2	0.0	5.8	936.8	2,008.8	0.0	3,273.0
	THPL	0.0	0.0	7.0	0.0	0.0	6.2	0.0	0.0	13.2
Subtotal, R-6		310.2	276.1	1,860.2	170.3	778.9	2,541.1	2,408.6	0.0	8,345.4

Region	Species	Selective Breeding	Seed Orchard	Select Tree	Seed Production			Other	Vegetative Material	Total
					Area	Seed Stand	Seed Zone			
R-8	CADE12	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
	CARYA	0.0	0.0	30.9	0.0	0.0	0.0	0.0	0.0	30.9
	PIEC2	0.0	682.0	81.0	0.0	0.0	0.0	122.0	0.0	885.0
	PINUS	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0
	PIPA2	0.0	1,997.8	0.0	0.0	448.0	0.0	455.0	0.0	2,900.8
	PODE3	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
	QUAL	0.0	0.0	0.0	0.0	0.0	0.0	90.0	0.0	90.0
	QUBI	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	4.2
	QUMA2	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0
	QUPA2	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	3.8
	QUPH	0.0	0.0	194.3	0.0	0.0	3.3	0.0	0.0	197.6
	QURU	0.0	105.0	29.0	0.0	0.0	257.0	0.0	0.0	391.0
	QUTE	0.0	0.0	95.5	0.0	0.0	0.0	0.0	0.0	95.5
	SANI	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0
Subtotal, R-8		0.0	2,816.8	430.7	0.0	448.0	275.3	667.0	0.0	4,637.8
R-9	ABBA	0.0	0.0	0.0	0.0	0.0	17.1	0.0	0.0	17.1
	BEAL2	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	2.4
	BEPA	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	5.7
	LALA	0.0	3.0	0.0	0.0	0.0	98.1	0.0	0.0	101.1
	PIBA2	0.0	55.0	0.0	0.0	0.0	1,325.5	1,140.0	0.0	2,520.5
	PIEC2	0.0	349.0	0.0	6.0	0.0	0.0	0.0	0.0	355.0
	PIGL	0.0	57.6	0.0	0.0	0.0	541.4	0.0	0.0	599.0
	PIMA	0.0	0.0	0.0	0.0	0.0	87.0	0.0	0.0	87.0
	PIRE	0.0	183.0	0.0	0.0	0.0	819.2	167.8	0.0	1,170.0
	PIST	166.8	854.0	0.0	59.2	16.1	591.6	0.0	0.0	1,687.7
	PRPE2	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0
	PRSE2	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.5
	QUAL	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	4.5
	QUMA2	0.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0	13.3
	QURU	0.0	0.0	0.0	0.0	0.0	120.2	62.8	0.0	183.0
	SOAM3	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	1.7
	THOC2	0.0	0.0	0.0	0.0	5.0	3.0	0.0	0.0	8.0
	TSCA	0.0	0.0	12.7	0.0	0.0	178.1	0.0	0.0	190.8
Subtotal, R-9		166.8	1,501.6	12.7	65.2	21.1	3,810.3	1,370.6	0.0	6,948.3
ALL	Total	1,691.6	5,306.8	4,742.4	289.2	2,339.5	24,260.4	4,448.1	0.0	43,078.0
	Percent of Total	3.9	12.3	11.0	0.7	5.4	56.3	10.3	0.0	100.0

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TABLE 8
SILVICULTURAL EXAMINATIONS AND PRESCRIPTIONS
(ACRES)

Region	Silvicultural Exam	Diagnosis	Prescription
	Act. 4310-4319	Act.4320-4329	Act. 4330-4339
1	94,626	42,809	29,298
2	113,464	0	0
3	15,843	8,872	10,638
4	42,266	5,814	10,903
5	2,464	12,831	12,914
6	32,788	7,093	13,953
8	141,742	0	50,193
9	57,795	0	21,019
10	11,693	0	543
ALL	512,681	77,419	149,461

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TABLE 9
PLANTING
Activity Codes 4430-4449
(ACRES)

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	100	2,057	2,368	0	0	3,183	583	8,291
2	675	2,811	93	0	0	0	269	3,848
3	0	977	11	0	0	10	778	1,776
4	0	1,057	58	0	0	1,977	581	3,673
5	0	2,630	586	61	0	0	5,390	8,667
6	2,114	9,039	1,448	0	0	0	354	12,955
8	966	1,263	3,564	0	0	0	3,493	9,286
9	2,078	988	3,283	0	0	0	987	7,336
10	0	0	0	0	0	0	0	0
ALL	5,933	20,822	11,411	61	0	5,170	12,435	55,832

TABLE 10
SEEDING
Activity Codes 4410-4429
(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	0	0	716	0	0	0	0	716
9	166	115	700	0	0	0	0	981
10	6	3	0	0	0	0	0	9
ALL	172	118	1,416	0	0	0	0	1,706

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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	137	0	0	150	286	573
2	20	14	204	0	0	0	2,049	2,287
3	0	6	0	0	0	0	25	31
4	24	1,000	65	0	0	264	39	1,392
5	0	52	52	0	0	0	0	104
6	54	1,477	701	0	14	0	0	2,246
8	1,625	5,749	7,123	0	0	0	1,303	15,800
9	1,518	832	12,516	0	0	0	3,361	18,227
10	0	0	0	0	0	0	0	0
ALL	3,241	9,130	20,798	0	14	414	7,063	40,660

TABLE 11A
NATURAL REGENERATION WITHOUT SITE PREPARATION
Activity Code 4382
(ACRES)

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	7,734	41,699	461	0	0	6,965	0	56,859
2	1,793	10,960	793	0	7	0	798	14,351
3	0	10,385	0	0	0	678	0	11,063
4	0	5,626	63	0	0	7,369	527	13,585
5	736	4,195	106	0	0	0	876	5,913
6	5,632	4,937	64	0	0	0	224	10,857
8	15	55	278	0	0	0	0	348
9	392	529	4,525	0	0	0	148	5,594
10	2	0	762	0	0	0	0	764
ALL	16,304	78,386	7,052	0	7	15,012	2,573	119,334

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TABLE 12
SITE PREPARATION FOR PLANTING OR SEEDING
Activity Codes 4470-4469
(ACRES)

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	68	0	380	0	0	0	652	1,100
2	15	0	0	0	0	0	0	15
3	0	0	0	0	0	0	0	0
4	0	150	41	0	0	0	342	533
5	8	99	850	61	0	0	1,278	2,296
6	0	2,091	671	0	18	0	0	2,780
8	215	2,448	6,434	0	0	0	720	9,817
9	552	201	2,820	0	0	0	1,002	4,575
10	0	0	0	0	0	0	0	0
ALL	858	4,989	11,196	61	18	0	3,994	21,116

TABLE 13
RELEASE AND WEEDING
Activity Codes 4510-4519
(ACRES)

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	0	0	0	993	1,320	2,313
2	967	0	1,942	0	0	0	2,326	5,235
3	0	9	0	0	0	0	1,719	1,728
4	0	0	1,245	0	0	1,773	975	3,993
5	370	5,345	418	215	0	0	9,345	15,693
6	175	108	361	0	0	0	10,533	11,177
8	17,048	5,223	10,476	289	0	0	3,759	36,795
9	4,775	1,432	2,929	0	0	0	10,254	19,390
10	133	0	0	0	0	0	0	133
ALL	23,468	12,117	17,371	504	0	2,766	40,231	96,457

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TABLE 14
PRECOMMERCIAL THINNING
Activity Codes 4520-4529
(ACRES)

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	173	0	93	0	0	5,013	1,729	7,008
2	1,222	1,744	3,295	0	0	0	11,855	18,116
3	126	551	319	0	0	2,617	7,473	11,086
4	0	0	0	0	0	3,160	4,791	7,951
5	2,711	4,704	522	0	0	0	16,968	24,905
6	4,829	4,498	5,010	0	0	0	27,413	41,750
8	6,366	1,110	550	0	0	0	938	8,964
9	1,926	38	1,140	0	0	0	175	3,279
10	2,867	2,915	24	0	0	0	224	6,030
ALL	20,220	15,560	10,953	0	0	10,790	71,566	129,089

TABLE 15
PRUNING
Activity Codes 4550-4559
(ACRES)

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	0	0	0	0	529	4,031	4,560
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	237	0	0	0	0	238	475
6	0	145	777	0	0	0	715	1,637
8	0	0	0	0	0	0	0	0
9	250	20	59	0	0	0	469	798
10	0	0	0	0	0	0	0	0
ALL	250	402	836	0	0	529	5,453	7,470

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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	0	0	0	0	0	774	774
6	0	0	0	0	0	0	0	0
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	0	774	774

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	678	678
5	0	0	0	0	0	0	0	0
6	0	24	40	0	0	0	0	64
8	2,747	0	81	0	0	0	0	2,828
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
ALL	2,747	24	121	0	0	0	678	3,570

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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	86	689	452	0	0	0	0	1,227
2	0	0	29	0	0	0	0	29
3	0	0	0	0	0	13	0	13
4	0	90	230	0	0	197	0	517
5	9	234	136	0	0	0	122	501
6	11	2,144	919	0	0	0	0	3,074
8	0	0	5	0	0	0	0	5
9	103	838	429	0	0	0	26	1,396
10	0	0	0	0	0	0	0	0
ALL	209	3,995	2,200	0	0	210	148	6,762

TABLE 19
ANIMAL CONTROL FOR TIMBER STAND IMPROVEMENT
Activity Codes 4460-4469
(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	0	0	0	0	0	0	0
9	518	714	1,444	0	0	0	21	2,697
10	0	0	0	0	0	0	0	0
ALL	518	714	1,444	0	0	0	21	2,697

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TABLE 20
REGENERATION AND INTERMEDIATE HARVEST ACRES

Region	Clearcut 4110-4119	Prep cut 4120-4129	Seed cut 4130-4139	Removal cut 4140-4149	Selection cut 4150-4159	Improvement cut 4210-4219	Thinning 4220-4229	Sanitation cut 4230-4239	Special cut 4240-4249	Total 4110-4249
1	1,237	103	3,349	0	326	1,527	5,030	1,090	0	12,662
2	4,013	890	1,851	2,936	1,228	731	9,581	7,097	107	28,434
3	0	0	0	0	0	189	9,104	1,697	24	11,014
4	286	6	406	18	621	416	3,950	3,857	0	9,560
5	478	0	0	64	909	366	14,835	3,027	2,181	21,860
6	56	381	1,080	789	3,008	258	30,864	2,680	0	39,116
8	3,649	0	3,651	888	508	568	26,918	5,880	22	42,084
9	8,924	489	3,393	1,064	9,682	698	13,388	5,210	0	42,848
10	1,013	0	0	0	0	0	50	0	0	1,063
ALL	19,656	1,869	13,730	5,759	16,282	4,753	113,720	30,538	2,334	208,641

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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	8,682	0	669	56,859	66,210	0	2,138	7,221	0	4,334	13,693
2	1,871	0	395	14,351	16,617	0	5,112	20,110	0	0	25,222
3	1,637	0	0	11,063	12,700	0	1,009	10,781	0	0	11,790
4	3,769	0	322	13,585	17,676	0	2,554	3,276	0	0	5,830
5	4,803	0	33	5,913	10,749	0	15,069	20,556	774	1,937	38,336
6	13,685	0	3,665	10,857	28,207	0	9,214	28,164	463	1,221	39,062
8	3,817	1,637	1,779	348	7,581	0	31,197	6,934	0	0	38,131
9	3,851	38	9,243	5,594	18,726	0	18,713	4,920	0	952	24,585
10	0	0	0	764	764	0	0	5,802	0	0	5,802
ALL	42,115	1,675	16,106	119,334	179,230	0	85,006	107,764	1,237	8,444	202,451

TREE SPECIES SYMBOLS
Hardwoods

Forest Survey Code	USDA-NRCS Plants Symbol	Common Name
351	ALRU2	Red Alder
371	BEAL2	Yellow Birch
375	BEPA	Paper Birch
400	CARYA	Hickory
421	CADE12	American Chestnut
475	CELE3	Curl-leaf Mountain Mahogany
742	PODE3	Eastern Cottonwood
746	POTR5	Quaking Aspen
761	PRPE2	Pin Cherry
762	PRSE2	Black Cherry
802	QUAL	White Oak
805	QUCH2	Canyon live oak
818	QUKE	California Black Oak
823	QUMA2	Bur Oak
828	QUTE	Texas Red Oak
830	QUPA2	Pin Oak
831	QUPH	Willow Oak
833	QURU	Northern Red Oak
922	SANI	Black Willow
935	SOAM3	American Mountain Ash

TREE SPECIES SYMBOLS**Conifers**

Forest Survey Code	USDA-NRCS Plants Symbol	Common Name
12	ABBA	Balsam Fir
15	ABCO	White Fir
17	ABGR	Grand Fir
20	ABMA	California Red Fir
21	ABMAS	Shasta red fir
22	ABPR	Noble Fir
71	LALA	Tamarack
73	LAOC	Western Larch
68	THOC2	Northern White Cedar
81	LIDE	Incense-Cedar
93	PIEN	Englemann Spruce
94	PIGL	White Spruce
95	PIAB	Norway Spruce
101	PIAL	Whitebark Pine
90	PICEA	Spruce
91	PIMA	Black Spruce
98	PISI	Sitka Spruce
100	PINUS	Pinus Spp.
101	PIAL	Whitebark Pine
103	PIAT	Knobcone Pine
105	PIBA2	Jack Pine
107	PICL	Sand Pine
108	PICO	Lodgepole Pine
109	PICO3	Coulter Pine
110	PIEC2	Shortleaf Pine
116	PIJE	Jeffrey Pine
117	PILA	Sugar Pine
119	PIMO3	Western White Pine
121	PIPA2	Longleaf Pine
122	PIPO	Ponderosa Pine
125	PIRE	Red Pine
129	PIST	Eastern white Pine
201	PSMA	Bigcone Douglas-fir
202	PSME	Douglas-fir
241	THOC2	Arborvitae
242	THPL	Western Red Cedar
261	TSCA	Eastern Hemlock
263	TSHE	Western Hemlock