

ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT

FISCAL YEAR 2009

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	3	0	0	0	853	4,057	0	0	4,914
	PIAL	0	0	5	0	0	82	0	0	87
	PICO	0	0	0	0	36	649	0	0	685
	PIEN	0	0	0	0	261	418	0	0	678
	PIMO3	1,607	0	0	0	0	3	0	0	1,610
	PIPO	0	0	0	0	407	3,920	0	0	4,326
	PSME	0	0	0	0	51.4	1101.6	0	0	1153
	THPL	0	0	0	0	12	0	0	0	12
	Subtotal, R-1	1,610	0	5	0	1,620	10,231	0	0	13,466
2	PICO	0	0	0	0	176	0	0	0	176
	PIEN	0	9	0	0	72	0	0	0	81
	PIPO	0	1,032	0	0	453	0	0	0	1,485
	PSME	0	172	0	0	0	0	0	0	172
Subtotal, R-2	0	1,213	0	0	701	0	0	0	1,914	
3	PIEN	0	0	0	0	0	50	0	0	50
	PIPO	0	0	0	0	0	249	0	0	249
	POAN3	0	0	0	0	0	0	0	0	0
Subtotal, R-3	0	0	0	0	0	299	0	0	299	
4	LAOC	0	0	41	0	0	231	0	0	272
	PIAL	0	0	0	0	0	48	0	0	48
	PICO	0	0	0	0	0	828	0	0	828
	PIEN	0	0	0	0	0	1,444	0	0	1,444
	PIJE	0	0	256	0	0	0	0	0	256
	PIPO	0	0	842	0	0	4,285	0	0	5,127
	PSME	0	0	477	0	5	1,269	0	0	1,750
Subtotal, R-4	0	0	1,616	0	5	8,105	0	0	9,726	
5	ABCO	0	18	57	0	12	1,270	0	0	1,356
	ABMA	0	38	32	0	7	319	0	0	396
	CADE27	0	43	41	0	0	322	0	0	405
	PICO3	0	0	0	0	0	15	0	0	15
	PIJE	0	210	341	0	47	9,734	0	0	10,331
	PILA	0	26	359	9	0	1,221	191	0	1,806
	PIMO3	0	0	0	0	0	8	0	0	8
	PIPO	0	387	705	0	139	2,810	8	0	4,048
	POTR5	0	0	2	0	0	4	0	0	6
	PSMA	0	0	0	0	4	139	8	0	151

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					Production Area	Seed Stand	Seed Zone			
	PSME	0	177	271	0	182	1,842	0	0	2,472
	SEGI2	0	20	0	0	0	3	0	0	23
	Subtotal, R-5	0	919	1,808	9	390	17,686	207	0	21,018
6	ABGR	0	0	15	0	0	0	0	0	15
	ABPR	0	0	0	7	0	36	0	0	43
	ARME	0	0	0	0	0	44	0	0	44
	CADE27	0	0	4	0	0	14	0	0	19
	LAOC	178	0	645	0	1,027	617	0	0	2,466
	LARIX	0	0	0	0	0	25	0	0	25
	PICO	0	0	0	0	0	9	0	0	9
	PIEN	0	0	61	10	106	123	0	0	300
	PILA	67	3	216	0	0	17	0	0	303
	PIMO	0	0	0	0	7	0	3	0	9
	PIMO3	398	0	134	71	35	69	0	0	707
	PIPO	943	11	5,407	0	540	4,692	2	0	11,593
	PREM	0	0	0	0	0	15	0	0	15
	PSME	225	0	1,560	203	130	672	44	0	2,834
	THPL	0	0	2	3	0	61	53	0	118
	TSHE	0	0	0	4	0	0	0	0	4
	Subtotal, R-6	1,810	14	8,043	298	1,844	6,394	101	0	18,503
8	CADE12	7	1	0	0	0	0	0	0	8
	DIVI5	0	0	0	0	0	7	0	0	7
	PIEC2	110	2,519	0	39	0	161	359	0	3,188
	PIPA2	250	3,217	1,257	31	19	245	62	0	5,081
	PITA	515	541	19	0	0	0	0	0	1,075
	QUAL	0	0	0	0	0	6	0	0	6
	QUFA	0	0	0	0	0	0	28	0	28
	QUNI	0	0	0	0	0	73	0	0	73
	QUPR2	0	0	0	0	0	41	6	0	47
	QURU	0	12	0	0	0	0	0	0	12
	QUTE	0	0	0	0	0	57	9	0	66
	QUVE	0	0	0	0	0	31	0	0	31
	Subtotal, R-8	882	6,290	1,276	70	19	620	464	0	9,621
9	ABBA	0	0	0	0	0	0	18	0	18
	BEAL2	0	0	0	0	11	0	0	0	11
	BEPA	0	0	0	0	0	18	0	0	18
	CAOV2	0	0	0	0	0	2	0	0	2

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					Production Area	Seed Stand	Seed Zone			
	CARYA	0	0	0	0	0	7	0	0	7
	JUNI	0	0	0	0	0	7	0	0	7
	LALA	0	37	0	0	0	41	13	0	91
	LITU	0	0	0	0	0	6	0	0	6
	MAAC	0	0	0	0	0	1	0	0	1
	PIBA	0	38	0	0	6	36	0	0	79
	PIBA2	0	134	0	0	29	1,684	1,097	0	2,945
	PIEC2	0	648	0	0	0	0	0	0	648
	PIGL	0	39	0	0	37	138	13	0	227
	PIMA	0	47	0	0	0	15	0	0	62
	PIRE	0	411	0	0	0	788	76	0	1,276
	PIST	0	1,605	0	0	0	413	6	0	2,023
	PLOC	0	0	0	0	0	7	0	0	7
	QUAL	0	0	49	0	0	8	0	0	57
	QUBI	0	0	0	0	0	0	175	0	175
	QUEL	0	0	0	0	0	130	0	0	130
	QULY	0	0	0	0	0	0	10	0	10
	QUMA2	0	0	0	0	0	0	10	0	10
	QUPA2	0	0	0	0	0	7	161	0	168
	QUPR2	0	0	0	0	0	1	0	0	1
	QURU	0	0	0	0	0	123	0	0	123
	QUSH	0	0	0	0	0	11	0	0	11
	SOAM3	0	0	0	0	0	1	0	0	1
	TADI2	0	0	0	0	0	0	10	0	10
	THOC2	0	0	0	0	13	3	8	0	24
	TIAM	0	0	0	0	0	1	0	0	1
	TSCA	0	0	49	0	0	10	0	0	58
	Subtotal, R-9	0	2,959	98	0	96	3,456	1,598	0	8,206
10		0	0	0	0	0	0	0	0	0
	Subtotal, R-10	0	0	0	0	0	0	0	0	0
ALL		4,302	11,395	12,846	376	4,674	46,791	2,369	0	82,753
	Percent of Total	5.2	13.8	15.5	0.5	5.6	56.5	2.9	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	126,243	20,352	26,874
2	141,772	0	1,002
3	66,581	97,019	20,062
4	27,175	12,072	5,838
5	3,760	2,382	3,039
6	15,376	3,023	10,245
8	112,352	0	12,479
9	73,989	0	6,068
10	5,948	0	0
ALL	573,196	134,848	85,607

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TABLE 9

PLANTING

Activity Codes 4430-4449

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	2,760	2,656	3,121	0	0	4,946	13,483
2	836	398	80	0	0	600	1,914
3	0	17	0	0	0	970	987
4	262	1,309	568	0	0	7,587	9,726
5	12	1,796	1,643	0	0	17,588	21,039
6	1,860	7,576	1,307	0	0	8,942	19,685
8	618	2,618	4,442	0	0	1,944	9,622
9	1,523	995	3,106	0	0	2,606	8,230
10	0	0	0	0	0	0	0
ALL	7,871	17,365	14,267	0	0	45,183	84,686

TABLE 10

SEEDING

Activity Codes 4410-4429

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	450	450
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	563	1,754	0	0	0	2,317
9	0	73	665	0	0	852	1,590
10	0	0	0	0	0	0	0
ALL	0	636	2,419	0	0	1,302	4,357

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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	0	0	224	0	88	893	1,205
2	17	98	471	0	58	403	1,047
3	0	29	84	0	0	0	113
4	0	3,273	52	0	0	408	3,733
5	0	0	0	0	0	0	0
6	289	6,052	777	0	0	26	7,144
8	459	569	7,675	0	0	317	9,020
9	1,969	1,733	12,624	99	0	1,028	17,453
10	0	0	0	0	0	0	0
ALL	2,734	11,754	21,907	99	146	3,075	39,715

TABLE 11A

NATURAL REGENERATION WITHOUT SITE PREPARATION

Activity Codes 4382

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	9,568	159	201	0	0	18,141	28,069
2	2,505	10,831	1,624	0	0	1,403	16,363
3	7	84	0	0	0	11,951	12,042
4	2	3,446	858	0	0	17,314	21,620
5	48	1,373	0	0	0	738	2,159
6	409	3,818	573	0	0	8,756	13,556
8	21,652	5,459	408	0	0	75	27,594
9	1,134	1,643	7,066	0	0	8,370	18,213
10	0	0	1,311	0	0	0	1,311
ALL	35,325	26,813	12,041	0	0	66,748	140,927

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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	35	45	1,086	0	29	1,011	2,206
2	0	0	0	0	0	20	20
3	0	0	0	0	0	603	603
4	304	91	573	0	14	215	1,197
5	733	220	659	0	0	4,794	6,406
6	94	55	569	0	0	544	1,262
8	217	1,601	10,820	0	0	897	13,535
9	473	928	4,720	0	0	951	7,072
10	0	0	0	0	0	0	0
ALL	1,856	2,940	18,427	0	43	9,035	32,301

TABLE 13

RELEASE AND WEEDING

Activity Codes 4510-4519

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	516	0	348	0	0	650	1,514
2	949	377	647	0	0	718	2,691
3	0	0	0	0	0	0	0
4	1,402	692	906	0	0	274	3,274
5	1,518	6,038	3,391	0	0	10,236	21,183
6	3	0	837	0	0	14,003	14,843
8	16,323	3,622	5,230	0	0	689	25,864
9	4,973	797	2,740	30	0	455	8,995
10	0	0	0	0	0	0	0
ALL	25,684	11,526	14,099	30	0	27,025	78,364

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TABLE 14

PRECOMMERCIAL THINNING

Activity Codes 4520-4529

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	6,287	0	234	0	0	5,486	12,007
2	3,239	4,977	3,964	0	0	10,439	22,619
3	2,669	2,120	1,487	0	0	14,370	20,646
4	5,981	2,110	346	0	0	1,964	10,401
5	2,964	5,252	3,154	0	0	27,761	39,131
6	6,647	3,211	6,321	19	0	44,683	60,881
8	7,624	1,598	907	0	0	1,814	11,943
9	1,371	0	1,560	9	0	0	2,940
10	2,125	2,780	60	1,383	0	0	6348
ALL	38,907	22,048	18,033	1,411	0	106,517	186,916

TABLE 15

PRUNING

Activity Codes 4530-4539

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	83	0	0	0	0	5,334	5,417
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	41	138	0	0	1,276	1,455
6	175	212	954	0	0	3,831	5,172
8	0	0	0	0	0	0	0
9	631	21	198	0	0	0	850
10	0	0	0	0	0	0	0
ALL	889	274	1,290	0	0	10,441	12,894

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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	0	0
6	0	0	200	0	0	963	1,163
8	13	0	0	0	0	0	13
9	0	0	42	0	0	0	42
10	0	0	0	0	0	0	0
ALL	13	0	242	0	0	963	1,218

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	1,604	1,604
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	2,286	2,286
8	48	63	1,816	0	0	0	1,927
9	0	0	0	0	0	24	24
10	0	0	0	0	0	0	0
ALL	48	63	1,816	0	0	3,914	5,841

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TABLE 18

ANIMAL CONTROL FOR REFORESTATION

Activity Codes 4460-4469

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	Other	Total
1	712	1,518	956	0	21	1,013	4,220
2	0	0	0	0	0	0	0
3	0	14	9	0	0	784	807
4	0	563	442	0	0	8	1,013
5	71	1,313	234	0	0	224	1,842
6	0	1,808	1,269	0	0	5,171	8,248
8	1	0	0	0	0	0	1
9	864	2,429	3,119	0	0	0	6,412
10	0	0	0	0	0	0	0
ALL	1,648	7,645	6,029	0	21	7,200	22,543

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	2	112	0	0	0	0	114
6	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	746	196	763	0	0	0	1,705
10	0	0	0	0	0	0	0
ALL	748	308	763	0	0	0	1,819

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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	2,034	78	2,366	0	664	1,706	3,108	1,788	248	11,992
2	3,982	409	2,338	4,116	1,673	522	10,367	3,125	77	26,609
3	0	0	0	0	0	144	4,326	1,000	0	5,470
4	548	315	65	335	404	330	2,380	1,202	0	5,579
5	11	0	0	0	262	133	8,424	1,737	2,143	12,710
6	6,669	328	1,300	1,232	7,254	1,131	22,698	8,419	62	49,093
8	2,248	469	5,243	383	1,703	0	33,347	12,676	194	56,263
9	11,104	337	3,519	440	5,360	603	11,783	2,190	0	35,336
10	983	0	0	0	0	0	32	10	0	1,025
ALL	27,579	1,936	14,831	6,506	17,320	4,569	96,465	32,147	2,724	204,077

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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	9,040	22	338	28,069	37,469	0	283	6,045	0	2,584	8,912
2	681	0	492	16,388	17,561	0	2,031	11,039	0	0	13,070
3	457	0	0	12,042	12,499	0	0	958	0	0	958
4	339	0	312	21,621	22,272	0	3,284	7,812	0	0	11,096
5	2,257	0	78	2,159	4,494	0	5,367	5,514	0	14	10,895
6	4,043	0	193	13,271	17,507	0	2,752	4,153	0	503	7,408
8	4,510	1,461	4,246	27,594	37,811	0	16,492	5,973	0	0	22,465
9	6,129	364	8,941	18,207	33,641	0	4,850	3,128	0	675	8,653
10	0	0	0	1,311	1,311	0	0	1,887	0	0	1,887
ALL	27,456	1,847	14,600	140,662	184,565	0	35,059	46,509	0	3,776	85,344

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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
0361	ARME	Pacific madrone	0012	ABBA	Balsam fir
0371	BEAL2	Yellow birch	0015	ABCO	White fir
0375	BEPA	Paper birch	0017	ABGR	Grand fir
0400	CARYA	hickory	0020	ABMA	California red fir
0407	CAOV2	Shagbark hickory	0022	ABPR	Noble fir
0421	CADE12	American chestnut	0070	LARIX	Larch
0521	DIVI5	common persimmon	0071	LALA	Tamarack
0602	JUNI	Black walnut	0073	LAOC	Western larch
0621	LITU	Tuliptree	0081	CADE27	Incense cedar
0651	MAAC	Cucumber-tree	0093	PIEN	Engelmann spruce
0731	PLOC	American sycamore	0094	PIGL	White spruce
0746	POTR5	quaking aspen	0095	PIMA	Black spruce
0749	POAN3	narrowleaf cottonwood	0101	PIAL	Whitebark pine
0768	PREM	bitter cherry	0104	PIBA	foxtail pine
0802	QUAL	White oak	0105	PIBA2	Jack pine
0804	QUBI	Swamp white oak	0108	PICO	Lodgepole pine
0809	QUEL	northern pin oak	0109	PICO3	Coulter pine
0812	QUFA	southern red oak	0110	PIEC2	Shortleaf pine
0822	QULY	overcup oak	0116	PIJE	Jeffrey pine
0823	QUMA2	Bur oak	0117	PILA	Sugar pine
0827	QUNI	water oak	0119	PIMO3	Western white pine
0828	QUTE	Nuttall oak	0121	PIPA2	Longleaf pine
0830	QUPA2	Pin oak	0122	PIPO	Ponderosa pine
0832	QUPR2	chestnut oak	0125	PIRE	Red 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	0201	PSMA	bigcone Douglas-fir
0951	TIAM	American basswood	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