

ANNUAL REFORESTATION AND TIMBER STAND IMPROVEMENT REPORT

FISCAL YEAR 2022

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	1,078	0	0	0	656	715	0	0	2,450
	PIAL	0	0	0	208	404	0	0	0	612
	PIEN	0	0	0	0	89	106	0	0	195
	PIMO3	1,977	0	1	0	0	0	0	0	1,978
	PIPO	1,605	0	28	614	364	925	0	0	3,535
	PSME	0	0	0	0	13	80	0	0	93
	THPL	0	0	0	0	24	16	0	0	40
Subtotal, R-1		4,660	0	29	823	1,550	1,842	0	0	8,904
2	PICO	0	0	247	0	80	1,457	0	0	1,784
	PIEN	0	0	93	0	51	873	0	0	1,017
	PIFL2	0	0	0	0	0	8	0	0	8
	PIPO	0	0	289	0	0	773	0	0	1,062
	PSME	0	0	0	0	0	147	135	0	282
Subtotal, R-2		0	0	629	0	132	3,258	135	0	4,153
3	PIEN	0	0	47	0	0	0	0	0	47
	PIPO	0	0	47	0	0	0	369	0	416
	PIST3	0	0	3	0	0	4	45	0	52
	PSME	0	0	76	0	0	25	113	0	214
Subtotal, R-3		0	0	173	0	0	29	526	0	728
4	LAOC	0	0	0	0	0	54	0	0	54
	PIAL	0	0	0	0	0	37	0	0	37
	PIEN	0	0	0	0	0	80	0	0	80
	PIPO	0	204	175	0	1	2,337	0	0	2,717
	PSME	0	0	0	0	2	858	0	0	859
Subtotal, R-4		0	204	175	0	3	3,366	0	0	3,747
5	ABCO	0	0	30	0	0	17	0	0	47
	CADE27	0	681	203	67	0	22	15	0	988
	PICO3	0	0	0	0	0	728	0	0	728
	PIJE	0	712	397	0	0	164	0	0	1,273
	PILA	0	808	349	199	0	76	0	0	1,432
	PINUS	0	1,538	0	0	0	0	0	0	1,538
	PIPO	0	657	2,200	230	0	252	0	0	3,340
	PSMA	0	0	0	0	0	63	0	0	63
	PSME	0	2,608	1,126	0	0	180	12	0	3,925
	QUAG	0	0	0	0	0	109	0	0	109
	QUCH2	0	0	0	0	0	3	0	0	3
	QUDO	0	0	0	0	0	4	0	0	4
	QUWI2	0	0	0	0	0	6	0	0	6
	SEGI2	0	0	36	0	0	0	0	0	36
Subtotal, R-5		0	7,004	4,342	497	0	1,624	27	0	13,493

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6	ABAM	0	0	0	0	0	20	0	0	20
	ABGR	0	0	0	0	0	0	28	0	28
	ABPR	0	0	18	0	0	0	22	0	40
	ACMA3	0	0	27	0	0	0	0	0	27
	CADE27	0	0	0	0	0	73	0	0	73
	FRLA	0	0	0	0	0	0	24	0	24
	LAOC	0	560	0	0	5	8	0	0	573
	PIAL	8	0	0	0	0	19	0	0	27
	PICO	0	0	0	0	0	0	10	0	10
	PIEN	0	0	0	0	0	0	4	0	4
	PILA	0	199	22	0	0	18	17	0	255
	PIMO	0	0	27	0	0	0	0	0	27
	PIMO3	0	198	8	0	0	18	46	0	270
	PIPO	1,050	0	396	0	0	4,171	0	0	5,617
	PISI	0	0	24	0	0	0	0	0	24
	PREM	0	0	0	0	0	0	71	0	71
	PSME	0	223	1,746	0	0	649	117	0	2,734
	QUGA4	0	0	0	0	0	5	0	0	5
	THPL	0	277	27	0	189	282	15	0	791
	TSHE	0	31	18	0	0	57	21	0	127
	TSME	0	0	0	0	0	0	7	0	7
	Subtotal, R-6	1,058	1,487	2,313	0	194	5,320	381	0	10,752
8	PIEC2	0	786	0	124	0	0	99	0	1,009
	PINUS	0	523	0	0	0	0	0	0	523
	PIPA2	0	4,122	0	207	155	0	0	0	4,484
	PIRI	0	51	0	0	0	0	0	0	51
	QURU	0	177	0	0	0	0	0	0	177
	Subtotal, R-8	0	5,659	0	331	155	0	99	0	6,244
9	ABBA	0	35	0	3	0	0	0	0	38
	ACRU	0	0	0	0	0	0	3	0	3
	ACSA3	0	0	0	0	0	0	4	0	4
	BEAL2	0	0	0	0	0	0	4	0	4
	CAOV2	0	0	0	0	0	0	2	0	2
	JUNI	4	0	0	0	0	0	0	0	4
	LALA	0	80	0	8	0	28	0	0	117
	LITU	0	0	0	0	0	0	0	0	0
	PIBA2	0	468	0	26	0	1,407	4	0	1,904.7
	PICEA	0	0	0	0	0	0	0	0	0
	PIEC2	0	693	0	0	0	0	0	0	693
	PIGL	0	513	0	47	0	408	0	0	968.2
	PIMA	0	82	0	12	0	0	0	0	94
	PIRE	0	993	0	72	0	436	30	0	1,532
	PIRU	0	0	0	0	0	97	25	0	122
	PIST	2	1,872	18	74	21	372	24	0	2,382

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	POGR4	0	0	0	0	0	0	21	0	21
	POTR5	0	0	0	0	0	0	18	0	18
	PRSE2	0	0	0	0	0	25	15	0	40
	QUAL	0	0	0	0	0	31	25	0	56
	QUERC	0	0	0	0	0	17	0	0	17
	QUMA2	0	38	0	2	0	214	0	0	253
	QUPR2	0	0	0	0	0	0	2	0	2
	QURU	0	38	5	0	0	83	46	0	172
	QUVE	0	0	0	0	0	0	4	0	4
	SOAM3	0	0	0	0	0	0	2	0	2
	THOC2	0	0	0	3	0	9	0	0	12
	TSCA	0	0	0	0	0	89	0	0	89
	TSUGA	0	119	0	0	0	11	0	0	130
	Subtotal, R-9	6	4,931	23	248	21	3,227	229	0	8,684
10	CHNO	0	0	0	10	0	0	0	0	10
	Subtotal, R-10	0	0	0	10	0	0	0	0	10
	ALL	5,724	19,286	7,683	1,908	2,053	18,665	1,396	0	56,715
	Percent of Total	10.1	34.0	13.5	3.4	3.6	32.9	2.5	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	13,970	268,082	26,141
2	12,083	752	0
3	514	0	7,805
4	371	90,189	165
5	452	0	218
6	2,193	0	1,566
8	63,980	0	472
9	21,173	0	0
10	1,622	0	28
ALL	116,358	359,023	36,395

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TABLE 9

PLANTING

Activity Codes 4430-4449

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	348	4,557	1,949	127	0	0	1,941	8,921
2	0	4,470	306	0	0	0	26	4,802
3	0	700	0	0	0	0	43	743
4	0	3,331	62	0	0	0	358	3,751
5	0	3,068	218	0	0	0	10,411	13,697
6	22	9,239	1,304	22	0	0	606	11,193
8	87	2,569	2,236	155	0	0	1,198	6,244
9	800	1,700	1,988	0	0	0	4,229	8,717
10	0	0	10	0	0	0	0	10
ALL	1,256	29,633	8,073	304	0	0	18,812	58,078

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	1,810	0	0	0	0	0	1,810
8	0	0	1,536	759	0	0	0	2,295
9	311	0	0	0	0	0	144	455
10	0	0	0	0	0	0	0	0
ALL	311	1,810	1,536	759	0	0	144	4,560

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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	62	0	0	0	311	372
2	0	0	231	0	0	0	0	231
3	0	10	0	0	0	0	999	1,009
4	0	95	0	0	0	0	0	95
5	0	0	0	0	0	0	1	1
6	0	0	0	0	0	0	110	110
8	0	2,936	1,873	0	0	0	81	4,890
9	987	1,933	10,722	357	0	0	4,560	18,558
10	10	0	0	44	0	0	0	54
ALL	996	4,974	12,888	401	0	0	6,061	25,320

TABLE 11A

NATURAL REGENERATION WITHOUT SITE PREPARATION

Activity Codes 4382

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	5,775	14,428	844	0	0	0	2,150	23,196
2	24	4,769	4,901	0	0	0	2,444	12,138
3	0	2,293	0	0	0	0	255	2,548
4	0	2,588	0	0	0	0	9,297	11,885
5	0	0	0	0	0	0	0	0
6	407	25,671	1,482	0	0	0	602	28,162
8	0	259	114	0	0	0	0	373
9	1,907	980	9,430	0	0	0	137	12,454
10	0	866	126	0	0	0	0	992
ALL	8,113	51,853	16,897	0	0	0	14,884	91,748

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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	464	0	0	0	732	1,196
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	41	41
4	0	0	0	0	0	0	0	0
5	197	1,749	0	0	0	0	1,151	3,097
6	0	345	4	38	0	0	332	719
8	245	3,433	5,202	2,077	0	0	1,246	12,203
9	590	500	919	0	0	0	1,257	3,266
10	0	0	0	0	0	0	0	0
ALL	1,032	6,026	6,588	2,115	0	0	4,759	20,521

TABLE 13

RELEASE AND WEEDING

Activity Codes 4510-4519

ACRES

Region	NFVW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	44	0	0	0	0	929	973
2	0	317	232	0	0	0	2,007	2,557
3	0	14	0	0	0	0	12,791	12,805
4	3,070	0	15	0	0	0	770	3,855
5	0	2,608	138	0	0	0	5,485	8,231
6	20	774	2,403	17	0	0	388	3,602
8	609	6,011	3,359	325	0	0	1,888	12,192
9	293	2,065	2,869	11	0	0	4,976	10,214
10	0	0	0	0	0	0	0	0
ALL	3,992	11,833	9,016	353	0	0	29,234	54,428

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TABLE 14

PRECOMMERCIAL THINNING

Activity Codes 4520-4529

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	942	2,494	310	298	0	0	2,582	6,627
2	96	576	1,099	0	0	0	7,424	9,196
3	0	737	0	0	0	1,693	17,852	20,282
4	0	0	0	0	0	0	1,930	1,930
5	16	883	147	0	0	0	6,709	7,754
6	1,600	5,268	1,115	0	0	0	36,814	44,796
8	894	1,759	369	232	0	0	62	3,316
9	0	13	1,958	0	0	0	1,042	3,013
10	193	1,161	0	76	0	0	0	1,430
ALL	3,740	12,891	4,997	607	0	1,693	74,415	98,344

TABLE 15

PRUNING

Activity Codes 4530-4539

ACRES

Region	NFWW	RTRT	CWKV	CWK2	BDBD	NFRR	Other	Total
1	0	148	0	0	0	0	838	986
2	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0
4	0		0	0	0	0	165	165
5	0	119	0	0	0	0	1,133	1,252
6	0	38	0	0	0	0	20	58
8	0	3	0	0	0	0	2	5
9	0	238	0	0	0	0	809	1,047
10	0	0	0	0	0	0	0	0
ALL	0	546	0	0	0	0	2,968	3,513

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TABLE 16

FERTILIZATION OF ESTABLISHED STANDS

Activity Codes 4550-4559

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	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
ALL	0	0	0	0	0	0	0	0

TABLE 17

PRESCRIBED BURNING TO CONTROL UNDERSTORY

Activity Codes 4541

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	297	297
6	0	0	0	0	0	0	0	0
8	0	0	17	0	0	0	348	365
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
ALL	0	0	17	0	0	0	645	662

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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	35	565	159	0	0	0	495	1,260
2	0	0	0	0	0	0	0	0
3	0	64	0	0	0	0	0	64
4	0	0	0	0	0	0	0	0
5	0	0	118	0	0	0	0	118
6	34	3,555	66	0	0	0	1	3,656
8	94	0	0	0	0	0	0	94
9	481	587	760	252	0	0	406	2,486
10	1	0	0	0	0	0	0	1
ALL	645	4,771	1,103	252	0	0	902	7,679

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	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
8	0	0	108	0	0	0	0	108
9	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0
ALL	0	0	108	0	0	0	0	108

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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
	4110-4119	4120-4129,	4130-4139	4140-4149						
FACTS Code	4162-4177	4192	4183,4194	4160,4186 4195,4196	4150-4159	4210-4219	4200, 4220-4229	4230-4239	4240-4249	4110-4249
Region										
1	2,647	0	2,780	472	206	3,342	3,220	1,701	6	14,374
2	6,022	0	1,297	6,814	3,601	5,593	4,125	3,223	321	30,996
3	8	0	316	0	3,866	351	19,575	407	0	24,522
4	493	0	26	1,141	1,352	397	869	2,192	0	6,470
5	1,059	0	0	0	79	112	6,561	6,323	0	14,133
6	191	29	700	108	535	700	27,622	3,474	0	33,359
8	4,212	102	1,600	403	205	0	23,650	1,177	108	31,457
9	10,312	96	4,116	2,001	8,658	612	18,213	5,803	415	50,228
10	25	0	54	0	2	0	0	0	0	81
ALL	24,969	227	10,889	10,939	18,505	11,106	103,836	24,299	850	205,620

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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	5,986	0	1,102	23,196	30,285	0	973	6,627	0	986	8,586
2	885	0	934	12,138	13,957	0	2,557	9,196	0	0	11,752
3	514	0	0	2,548	3,062	0	12,805	20,282	0	0	33,087
4	1,246	0	1,694	11,885	14,824	0	3,855	1,930	0	165	5,950
5	62	0	0	0	62	0	8,231	7,754	0	1,252	17,236
6	4,787	0	379	28,162	33,328	0	3,602	44,796	0	58	48,457
8	859	0	2,102	373	3,334	0	12,192	3,316	0	5	15,512
9	3,650	284	11,330	12,454	27,718	0	10,214	3,013	0	1,047	14,275
10	0	0	0	992	992	0	0	1,430	0	0	1,430
ALL	17,989	284	17,541	91,748	127,562	0	54,428	98,344	0	3,513	156,285

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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

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0951	TIAM	American basswood	0201	PSMA	bigcone Douglas-fir
			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