

List of Estimate Tables

Tables labeled with the State abbreviation followed by a number (e.g., Table WV-1) report estimates of forest characteristics collected during this inventory period, including estimates of forested area, number of trees, etc.-Tables with growth, removals, or mortality estimates for the 2013 inventory are based on data collected for time 1 from 2004 through 2008 and time 2 from 2009 through 2013. Other estimates for the 2013 inventory are based on data collected from 2009 through 2013 unless noted otherwise. Gaps in enumeration of tables are placeholders for future tables such as forest health indicator population estimates (e.g., down woody materials).

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Table WV-1.—Percentage of area by land status, West Virginia, 2013

Land status	Percentage of area
Accessible forest land	
Unreserved forest land	
Timberland	61.4
Unproductive	0.4
Total unreserved forest land	61.8
Reserved forest land	
Productive	1.9
Unproductive	--
Total reserved forest land	1.9
All accessible forest land	63.7
Nonforest and other land	
Nonforest land	18.0
Water	
Census	0.4
Non-Census	0.4
All nonforest and other land	18.9
Nonsampled land	
Access denied	15.8
Hazardous conditions	1.6
Other	0.0
All land	100.0
Total area (thousands of acres)	15,501

All table cells without observations in the inventory sample are indicated by --.
 Table value of 0.0 indicates the percentage rounds to less than 0.1 percent.
 Columns and rows may not add to their totals due to rounding.

Table WV-2.—Area of forest land by owner class and forest-land land status, West Virginia, 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
Forest Service							
National forest	860.0	9.6	869.6	173.9	--	173.9	1,043.6
Other national forest	4.2	--	4.2	--	--	--	4.2
Other Federal							
National Park Service	--	--	--	50.7	--	50.7	50.7
Fish and Wildlife Service	--	--	--	13.0	--	13.0	13.0
Department of Defense or Energy	64.1	--	64.1	12.2	--	12.2	76.3
Other Federal	33.6	--	33.6	--	--	--	33.6
State and local government							
State	254.9	--	254.9	53.9	--	53.9	308.8
Local (county, municipal, etc.)	53.5	--	53.5	--	--	--	53.5
Other non-Federal lands	6.2	--	6.2	--	--	--	6.2
Private							
Undifferentiated private	10,530.8	65.0	10,595.8	--	--	--	10,595.8
All owners	11,807.3	74.7	11,882.0	303.7	--	303.7	12,185.7

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 Table value of 0.0 indicates the acres round to less than 100 acres.
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Table WV-3.—Area of forest land by forest-type group and productivity class, West Virginia, 2013

Forest-type group	Site-productivity class (cubic feet/acre/year)							All classes
	0-19	20-49	50-84	85-119	120-164	165-224	225+	
White / red / jack pine group	--	3.8	16.9	14.9	25.1	--	--	60.7
Spruce / fir group	--	9.4	6.7	14.7	9.6	--	--	40.6
Loblolly / shortleaf pine group	3.7	93.3	41.7	24.8	16.2	--	--	179.6
Other eastern softwoods group	--	13.2	2.3	--	--	--	--	15.5
Oak / pine group	9.6	145.7	115.2	35.4	19.3	--	--	325.1
Oak / hickory group	55.7	2,966.3	3,782.6	1,774.0	401.6	--	--	8,980.4
Oak / gum / cypress group	--	9.5	--	--	--	--	--	9.5
Elm / ash / cottonwood group	--	91.9	54.9	36.6	3.2	--	--	186.5
Maple / beech / birch group	5.6	901.7	828.2	410.1	79.0	--	--	2,224.6
Aspen / birch group	--	6.4	6.6	1.8	--	--	--	14.8
Other hardwoods group	--	42.9	47.3	15.5	--	--	--	105.7
Exotic hardwoods group	--	7.7	--	--	--	--	--	7.7
Nonstocked	--	11.9	4.3	18.8	--	--	--	35.0
All forest-type groups	74.7	4,303.8	4,906.7	2,346.7	553.9	--	--	12,185.7

All table cells without observations in the inventory sample are indicated by --.

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Table WV-4.—Area of forest land by forest-type group, ownership group, and land status, West Virginia, 2013

Forest-type group	Forest Service		Other Federal		State and local government		Undifferentiated private		All forest land
	Timberland	Other forest land	Timberland	Other forest land	Timberland	Other forest land	Timberland	Other forest land	
White / red / jack pine group	16.5	--	--	--	--	--	44.2	--	60.7
Spruce / fir group	23.5	10.4	--	--	--	6.7	--	--	40.6
Loblolly / shortleaf pine group	4.6	3.7	--	--	4.5	--	166.8	--	179.6
Other eastern softwoods group	--	--	--	--	--	--	15.5	--	15.5
Oak / pine group	25.7	5.9	--	--	6.2	--	277.7	9.6	325.1
Oak / hickory group	446.8	39.9	78.1	61.4	253.9	47.2	8,003.3	49.8	8,980.4
Oak / gum / cypress group	--	--	--	--	--	--	9.5	--	9.5
Elm / ash / cottonwood group	1.1	--	7.0	5.1	11.6	--	161.8	--	186.5
Maple / beech / birch group	320.4	113.8	11.0	7.8	38.4	--	1,727.6	5.6	2,224.6
Aspen / birch group	--	2.9	1.7	1.7	--	--	8.5	--	14.8
Other hardwoods group	25.1	6.9	--	--	--	--	73.6	--	105.7
Exotic hardwoods group	--	--	--	--	--	--	7.7	--	7.7
Nonstocked	0.6	--	--	--	--	--	34.5	--	35.0
All forest-type groups	864.2	183.6	97.7	75.9	314.6	53.9	10,530.8	65.0	12,185.7

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Table WV-5.—Area of forest land by forest-type group and stand-size class, West Virginia, 2013

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
White / red / jack pine group	43.7	17.0	--	--	--	60.7
Spruce / fir group	27.4	8.9	4.2	--	--	40.6
Loblolly / shortleaf pine group	97.4	69.6	12.6	--	--	179.6
Other eastern softwoods group	1.6	2.3	11.6	--	--	15.5
Oak / pine group	180.0	106.2	39.0	--	--	325.1
Oak / hickory group	7,114.9	1,302.7	562.7	--	--	8,980.4
Oak / gum / cypress group	9.5	--	--	--	--	9.5
Elm / ash / cottonwood group	140.4	34.3	11.8	--	--	186.5
Maple / beech / birch group	1,765.7	317.1	141.8	--	--	2,224.6
Aspen / birch group	3.6	9.5	1.7	--	--	14.8
Other hardwoods group	59.5	14.2	31.9	--	--	105.7
Exotic hardwoods group	5.9	1.8	--	--	--	7.7
Nonstocked	--	--	--	--	35.0	35.0
All forest-type groups	9,449.5	1,883.7	817.4	--	35.0	12,185.7

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Table WV-6.—Area of forest land by forest-type group and stand-age class, West Virginia, 2013

Forest-type group	Non stocked	Stand-age class (years)										All classes	
		1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200		201+
White / red / jack pine group	--	1.4	7.2	24.7	12.1	8.5	6.1	--	--	--	--	0.7	60.7
Spruce / fir group	--	--	2.3	9.7	15.2	4.5	8.9	--	--	--	--	--	40.6
Loblolly / shortleaf pine group	--	32.6	26.9	52.1	53.4	11.9	2.7	--	--	--	--	--	179.6
Other eastern softwoods group	--	11.6	1.6	2.3	--	--	--	--	--	--	--	--	15.5
Oak / pine group	--	29.9	51.5	94.5	74.8	48.2	14.5	8.7	--	2.9	--	--	325.1
Oak / hickory group	--	397.3	564.6	2,066.2	3,377.9	2,028.3	407.4	90.5	36.4	11.8	--	--	8,980.4
Oak / gum / cypress group	--	--	--	--	--	9.5	--	--	--	--	--	--	9.5
Elm / ash / cottonwood group	--	21.2	22.5	73.5	50.7	13.0	5.6	--	--	--	--	--	186.5
Maple / beech / birch group	--	86.7	61.4	490.5	913.7	567.2	97.0	2.3	5.9	--	--	--	2,224.6
Aspen / birch group	--	1.7	1.8	11.3	--	--	--	--	--	--	--	--	14.8
Other hardwoods group	--	12.3	17.0	16.8	28.3	19.5	11.7	--	--	--	--	--	105.7
Exotic hardwoods group	--	5.9	--	1.8	--	--	--	--	--	--	--	--	7.7
Nonstocked	35.0	--	--	--	--	--	--	--	--	--	--	--	35.0
All forest-type groups	35.0	600.6	756.9	2,843.4	4,526.1	2,710.6	554.0	101.4	42.3	14.7	--	0.7	12,185.7

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Table WV-7.—Area of forest land by forest-type group and stand origin, West Virginia, 2013

Forest-type group	Stand origin		All forest land
	Natural stands	Artificial regeneration	
White / red / jack pine group	39.7	21.0	60.7
Spruce / fir group	38.3	2.3	40.6
Loblolly / shortleaf pine group	150.7	28.9	179.6
Other eastern softwoods group	15.5	--	15.5
Oak / pine group	316.9	8.2	325.1
Oak / hickory group	8,943.2	37.2	8,980.4
Oak / gum / cypress group	9.5	--	9.5
Elm / ash / cottonwood group	186.5	--	186.5
Maple / beech / birch group	2,218.4	6.2	2,224.6
Aspen / birch group	14.8	--	14.8
Other hardwoods group	105.7	--	105.7
Exotic hardwoods group	7.7	--	7.7
Nonstocked	35.0	--	35.0
All forest-type groups	12,081.9	103.8	12,185.7

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Table WV-8.—Area of forest land by forest-type group and primary disturbance class, West Virginia, 2013

Forest-type group	Disturbance class									All forest land
	None	Insects	Disease	Weather	Fire	Domestic animals	Wild animals	Human	Other	
White / red / jack pine group	38.2	0.7	--	9.4	3.7	6.4	--	--	2.3	60.7
Spruce / fir group	32.4	--	--	--	--	--	2.3	--	5.9	40.6
Loblolly / shortleaf pine group	154.8	--	--	--	5.7	13.3	--	--	5.8	179.6
Other eastern softwoods group	4.8	--	--	--	--	2.3	--	6.8	1.6	15.5
Oak / pine group	233.6	--	--	6.5	--	37.2	16.0	7.1	24.8	325.1
Oak / hickory group	7,690.6	34.1	7.5	81.2	31.2	260.7	345.0	165.0	365.0	8,980.4
Oak / gum / cypress group	--	--	9.5	--	--	--	--	--	--	9.5
Elm / ash / cottonwood group	151.5	--	--	4.5	--	5.1	7.3	--	18.1	186.5
Maple / beech / birch group	1,737.0	26.3	87.7	21.1	8.7	61.7	86.3	31.3	164.5	2,224.6
Aspen / birch group	13.0	--	--	--	--	--	--	--	1.8	14.8
Other hardwoods group	91.6	1.0	--	--	--	13.1	--	--	--	105.7
Exotic hardwoods group	1.8	--	--	--	--	--	--	--	5.9	7.7
Nonstocked	16.3	--	--	--	--	12.5	4.6	--	1.6	35.0
All forest-type groups	10,165.6	62.1	104.7	122.8	49.2	412.3	461.4	210.2	597.4	12,185.7

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Table WV-9.—Area of timberland by forest-type group and stand-size class, West Virginia, 2013

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
White / red / jack pine group	43.7	17.0	--	--	--	60.7
Spruce / fir group	19.9	2.3	1.3	--	--	23.5
Loblolly / shortleaf pine group	93.7	69.6	12.6	--	--	175.9
Other eastern softwoods group	1.6	2.3	11.6	--	--	15.5
Oak / pine group	169.7	100.9	39.0	--	--	309.7
Oak / hickory group	6,943.1	1,276.3	562.7	--	--	8,782.1
Oak / gum / cypress group	9.5	--	--	--	--	9.5
Elm / ash / cottonwood group	135.3	34.3	11.8	--	--	181.5
Maple / beech / birch group	1,666.5	294.7	136.2	--	--	2,097.4
Aspen / birch group	3.6	6.6	--	--	--	10.2
Other hardwoods group	59.5	11.3	27.9	--	--	98.7
Exotic hardwoods group	5.9	1.8	--	--	--	7.7
Nonstocked	--	--	--	--	35.0	35.0
All forest-type groups	9,152.0	1,817.1	803.2	--	35.0	11,807.3

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Table WV-10.—Number of live trees (at least 1 inch d.b.h./d.r.c.) on forest land by species group, species, and diameter class, West Virginia, 2013

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Softwood species groups																
Eastern softwood species groups																
Loblolly and shortleaf pines																
Shortleaf pine	--	--	35	90	141	79	62	44	--	--	--	--	--	--	--	451
Loblolly pine	545	2,731	3,723	2,123	1,260	184	92	--	--	--	--	--	--	--	--	10,657
Group subtotal	545	2,731	3,759	2,212	1,401	263	153	44	--	--	--	--	--	--	--	11,107
Other yellow pines																
Table Mountain pine	277	2,033	1,251	862	1,151	579	294	131	--	18	--	--	--	--	--	6,594
Pitch pine	2,105	2,039	3,333	1,929	1,343	1,438	747	430	259	--	14	--	--	--	--	13,636
Scotch pine	957	--	44	96	44	--	--	--	--	--	--	--	--	--	--	1,140
Virginia pine	20,489	14,624	9,394	9,191	6,772	3,887	2,315	1,510	242	44	82	--	--	--	--	68,548
Group subtotal	23,827	18,696	14,021	12,077	9,309	5,903	3,355	2,071	500	62	96	--	--	--	--	89,918
Eastern white and red pines																
Red pine	--	650	313	417	52	--	--	--	--	--	--	--	--	--	--	1,432
Eastern white pine	41,175	14,668	8,070	5,176	3,332	1,892	1,796	968	1,128	718	643	250	47	--	--	79,863
Group subtotal	41,175	15,318	8,383	5,593	3,384	1,892	1,796	968	1,128	718	643	250	47	--	--	81,296
Spruce and balsam fir																
Balsam fir	--	501	40	--	--	--	--	--	--	--	--	--	--	--	--	542
Red spruce	71,494	20,769	5,737	2,510	1,668	1,414	1,169	872	577	355	290	24	18	--	--	106,897
Group subtotal	71,494	21,271	5,777	2,510	1,668	1,414	1,169	872	577	355	290	24	18	--	--	107,439
Eastern hemlock																
Eastern hemlock	53,394	23,732	13,545	7,810	5,319	3,123	2,260	1,560	825	591	762	85	35	--	--	113,040
Group subtotal	53,394	23,732	13,545	7,810	5,319	3,123	2,260	1,560	825	591	762	85	35	--	--	113,040
Other eastern softwoods																
Atlantic white-cedar	--	--	--	--	37	--	--	--	--	--	--	--	--	--	--	37
Redcedar/juniper spp.	650	--	--	--	--	--	--	--	--	--	--	--	--	--	--	650
Eastern redcedar	5,345	650	1,847	945	742	457	160	34	109	--	--	--	--	--	--	10,288
Norway spruce	--	--	107	125	55	--	107	38	--	--	--	--	--	--	--	432
Group subtotal	5,995	650	1,954	1,070	834	457	267	72	109	--	--	--	--	--	--	11,408
All softwoods	196,430	82,397	47,440	31,273	21,916	13,052	9,001	5,586	3,139	1,725	1,791	358	100	--	--	414,208

(Table 10 continued on next page)

(Table 10 continued)

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hardwood species groups																
Eastern hardwood species groups																
Select white oaks																
White oak	36,797	15,045	19,530	20,873	22,376	18,857	14,394	10,060	6,426	3,698	3,605	756	333	132	--	172,882
Swamp white oak	--	--	44	44	--	88	--	44	--	--	--	--	--	--	--	220
Chinkapin oak	547	--	445	261	104	52	166	140	38	44	--	--	--	--	--	1,797
Group subtotal	37,343	15,045	20,019	21,177	22,480	18,997	14,560	10,244	6,465	3,742	3,605	756	333	132	--	174,898
Select red oaks																
Northern red oak	49,459	17,397	9,974	8,877	9,384	7,620	8,132	6,970	5,372	4,904	5,351	2,197	802	330	161	136,930
Group subtotal	49,459	17,397	9,974	8,877	9,384	7,620	8,132	6,970	5,372	4,904	5,351	2,197	802	330	161	136,930
Other white oaks																
Chestnut oak	44,875	17,505	25,265	30,367	26,719	19,997	17,398	11,357	7,521	4,001	4,620	1,366	344	96	18	211,449
Post oak	1,690	1,093	404	475	268	297	178	--	--	44	--	--	44	--	--	4,493
Group subtotal	46,564	18,598	25,669	30,842	26,987	20,294	17,577	11,357	7,521	4,045	4,620	1,366	388	96	18	215,941
Other red oaks																
Scarlet oak	13,130	4,319	5,954	7,529	7,551	7,186	4,698	3,281	1,901	718	841	536	70	--	--	57,714
Southern red oak	--	--	--	40	36	--	44	--	--	52	--	--	--	--	--	172
Shingle oak	--	--	--	--	44	44	--	--	37	--	--	--	--	--	--	125
Blackjack oak	--	--	--	--	52	--	--	--	--	--	--	--	--	--	--	52
Black oak	39,926	8,272	7,000	6,448	7,255	7,176	7,752	5,611	2,957	2,565	1,629	729	88	64	--	97,470
Group subtotal	53,056	12,591	12,954	14,016	14,938	14,405	12,494	8,892	4,895	3,335	2,470	1,265	158	64	--	155,532

(Table 10 continued on next page)

(Table 10 continued)

Species group/Species	Diameter class (inches)														All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	
Hickory															
Hickory spp.	--	--	44	--	--	--	--	--	--	--	--	--	--	--	44
Bitternut hickory	8,313	2,112	1,963	2,101	1,263	1,529	1,078	961	440	220	161	--	--	--	20,141
Pignut hickory	40,054	27,975	15,193	13,095	8,000	7,382	4,597	2,775	1,506	833	201	148	46	--	121,805
Shellbark hickory	--	--	--	--	--	--	--	52	--	--	--	--	--	--	52
Shagbark hickory	14,932	9,425	9,118	6,466	4,773	3,510	2,256	886	587	255	101	14	--	--	52,323
Mockernut hickory	33,692	7,899	11,226	9,302	8,215	4,528	2,707	1,661	560	157	184	--	--	--	80,131
Red hickory	--	--	88	--	--	--	--	--	--	--	--	--	--	--	88
Group subtotal	96,992	47,412	37,631	30,964	22,251	16,948	10,638	6,335	3,092	1,465	647	162	46	--	274,584
Yellow birch															
Yellow birch	27,483	11,242	8,701	7,436	5,166	2,973	1,641	804	370	119	80	45	35	18	66,112
Group subtotal	27,483	11,242	8,701	7,436	5,166	2,973	1,641	804	370	119	80	45	35	18	66,112
Hard maple															
Black maple	3,420	--	297	293	135	132	52	88	--	--	--	--	--	--	4,415
Sugar maple	377,285	141,137	60,620	38,515	24,527	16,456	9,591	5,814	3,328	1,601	1,631	906	189	171	681,803
Norway maple	--	--	--	--	--	--	--	44	--	--	--	--	--	--	44
Group subtotal	380,704	141,137	60,917	38,808	24,662	16,588	9,643	5,945	3,328	1,601	1,631	906	189	171	686,262
Soft maple															
Red maple	495,963	173,170	89,353	54,574	37,529	24,206	14,060	9,384	5,155	2,590	1,578	277	153	--	908,007
Silver maple	545	--	--	74	220	132	30	44	132	118	74	126	30	--	1,526
Group subtotal	496,508	173,170	89,353	54,649	37,748	24,338	14,091	9,428	5,287	2,709	1,652	403	184	--	909,533
Beech															
American beech	351,137	81,598	27,832	15,185	9,394	6,444	4,818	3,947	2,276	1,453	1,234	969	276	--	506,562
Group subtotal	351,137	81,598	27,832	15,185	9,394	6,444	4,818	3,947	2,276	1,453	1,234	969	276	--	506,562

(Table 10 continued on next page)

(Table 10 continued)

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Sweetgum																
Sweetgum	4,889	--	36	--	--	--	--	--	--	--	--	--	--	--	--	4,925
Group subtotal	4,889	--	36	--	--	--	--	--	--	--	--	--	--	--	--	4,925
Tupelo and blackgum																
Blackgum	170,479	53,183	17,789	6,702	4,007	1,661	1,386	1,004	513	307	175	144	70	--	--	257,421
Group subtotal	170,479	53,183	17,789	6,702	4,007	1,661	1,386	1,004	513	307	175	144	70	--	--	257,421
Ash																
Ash spp.	572	--	--	--	--	--	--	--	--	--	--	--	--	--	--	572
White ash	66,183	23,117	12,969	9,202	7,440	4,899	3,563	2,821	1,847	831	783	298	37	52	--	134,041
Black ash	--	--	40	--	46	--	--	--	--	--	--	--	--	--	--	86
Green ash	2,990	--	403	274	44	--	44	44	52	--	--	--	--	--	--	3,850
Group subtotal	69,744	23,117	13,411	9,476	7,529	4,899	3,607	2,865	1,899	831	783	298	37	52	--	138,548
Cottonwood and aspen																
Bigtooth aspen	4,850	1,118	1,068	598	924	650	427	413	456	134	105	--	--	--	--	10,744
Quaking aspen	--	--	38	230	115	38	--	--	--	--	--	--	--	--	--	422
Group subtotal	4,850	1,118	1,106	828	1,040	689	427	413	456	134	105	--	--	--	--	11,166
Basswood																
American basswood	21,675	10,111	6,000	5,031	4,738	4,036	3,305	3,457	1,695	1,040	858	433	35	--	--	62,414
White basswood	650	--	52	--	52	--	--	52	--	--	--	--	--	--	--	806
Group subtotal	22,325	10,111	6,052	5,031	4,790	4,036	3,305	3,509	1,695	1,040	858	433	35	--	--	63,221
Yellow-poplar																
Yellow-poplar	119,647	49,325	31,073	23,654	19,167	17,708	16,473	14,922	9,662	6,449	5,522	1,441	297	125	52	315,517
Group subtotal	119,647	49,325	31,073	23,654	19,167	17,708	16,473	14,922	9,662	6,449	5,522	1,441	297	125	52	315,517
Black walnut																
Black walnut	5,763	2,180	2,467	2,450	2,276	1,740	1,124	812	403	167	184	46	44	--	--	19,656
Group subtotal	5,763	2,180	2,467	2,450	2,276	1,740	1,124	812	403	167	184	46	44	--	--	19,656

(Table 10 continued on next page)

(Table 10 continued)

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern soft hardwoods																
Boxelder	23,641	2,686	2,282	1,498	858	522	446	124	101	--	--	55	--	--	--	32,212
Ohio buckeye	1,631	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,631
River birch	1,300	495	226	148	309	96	--	--	--	--	--	--	--	--	--	2,575
Northern catalpa	--	495	--	40	--	--	--	--	--	--	--	--	--	--	--	535
Sugarberry	--	--	44	--	--	--	--	--	--	--	--	--	--	--	--	44
Hackberry	6,689	1,570	798	530	266	284	92	101	88	--	38	--	--	--	--	10,454
Butternut	--	709	310	415	244	--	52	--	--	--	--	--	--	--	--	1,730
Magnolia spp.	--	--	--	--	52	52	--	--	--	--	--	--	--	--	--	104
Cucumbertree	9,011	4,445	4,685	3,250	2,666	2,570	2,202	1,416	811	315	238	94	--	--	--	31,703
Mountain or Fraser magnolia	19,099	3,989	2,018	1,067	1,187	970	454	228	--	--	--	--	--	--	--	29,011
Umbrella magnolia	6,776	545	244	--	--	--	--	--	--	--	--	--	--	--	--	7,565
Paulownia, empress-tree	1,846	--	623	555	365	276	224	36	--	--	40	--	--	--	--	3,965
American sycamore	12,597	8,739	3,562	3,238	1,480	1,529	1,133	1,145	964	476	688	280	--	142	44	36,017
Black cherry	57,716	33,499	15,154	11,262	8,343	7,356	6,173	3,822	2,780	1,306	1,678	262	--	--	--	149,349
Black willow	1,222	--	124	168	52	--	--	--	--	--	--	--	--	--	--	1,567
Sassafras	89,704	23,505	9,597	5,330	2,988	1,488	273	357	70	189	52	--	--	--	--	133,553
Elm spp.	--	--	--	44	--	--	--	--	--	--	--	--	--	--	--	44
American elm	22,089	9,380	5,909	3,190	1,735	1,445	649	390	221	138	--	--	46	--	--	45,193
Slippery elm	18,898	9,585	6,646	3,794	2,286	1,031	574	465	153	52	93	--	--	--	--	43,577
Group subtotal	272,218	99,641	52,222	34,530	22,832	17,619	12,272	8,084	5,187	2,476	2,827	690	46	142	44	530,828

(Table 10 continued on next page)

(Table 10 continued)

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern hard hardwoods																
Sweet birch	125,898	29,492	16,764	12,255	9,072	4,840	2,835	1,592	508	109	157	14	--	--	--	203,535
Catalpa spp.	--	--	52	38	--	38	77	38	--	38	--	--	--	--	--	282
Flowering dogwood	93,336	18,562	1,967	88	--	--	--	--	--	--	--	--	--	--	--	113,952
Common persimmon	1,640	3,817	669	395	221	44	88	--	--	--	--	--	--	--	--	6,874
Honeylocust	--	--	--	--	--	44	44	44	--	--	--	--	--	--	--	132
American holly	2,917	339	87	44	44	--	--	--	--	--	--	--	--	--	--	3,430
White mulberry	--	--	46	--	--	--	--	--	--	--	--	--	--	--	--	46
Red mulberry	--	--	136	--	--	--	--	--	--	--	--	--	--	--	--	136
Oak spp.	169	--	--	--	--	--	--	--	--	--	--	--	--	--	--	169
Black locust	69,474	24,504	12,428	7,897	5,263	3,503	1,687	1,047	448	435	174	--	--	--	--	126,861
Group subtotal	293,434	76,714	32,148	20,716	14,599	8,470	4,731	2,722	956	582	332	14	--	--	--	455,418

(Table 10 continued on next page)

(Table 10 continued)

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Eastern noncommercial hardwoods																
Striped maple	90,351	12,456	2,289	450	149	--	--	--	--	--	--	--	--	--	--	105,695
Mountain maple	3,063	--	31	--	--	--	--	--	--	--	--	--	--	--	--	3,094
Yellow buckeye	28,377	7,576	4,546	3,365	2,389	1,380	524	298	228	148	174	46	--	--	--	49,052
Ailanthus	25,955	7,786	3,087	1,686	805	458	267	88	88	--	--	--	--	--	--	40,219
Mimosa, silktree	--	1,300	209	52	52	--	--	--	--	--	--	--	--	--	--	1,613
Serviceberry spp.	59,222	20,178	4,052	1,704	388	88	35	96	--	--	--	--	--	--	--	85,763
Common serviceberry	6,034	442	52	--	--	--	--	--	--	--	--	--	--	--	--	6,528
Pawpaw	59,616	3,119	44	--	--	--	--	--	--	--	--	--	--	--	--	62,778
American hornbeam, musclewood	82,142	14,309	2,182	411	118	--	--	--	--	--	--	--	--	--	--	99,161
American chestnut	9,241	650	118	18	--	--	--	--	--	--	--	--	--	--	--	10,027
Eastern redbud	77,047	16,150	2,102	255	52	--	--	--	--	--	--	--	--	--	--	95,606
Hawthorn spp.	43,256	12,898	1,217	267	52	--	--	--	--	--	--	--	--	--	--	57,690
Osage-orange	--	--	383	38	--	--	--	--	--	--	--	--	--	--	--	421
Bigleaf magnolia	--	650	--	--	--	--	--	--	--	--	--	--	--	--	--	650
Apple spp.	6,135	4,862	1,410	230	79	265	--	--	--	44	--	--	--	--	--	13,025
Southern crab apple	--	650	--	--	--	--	--	--	--	--	--	--	--	--	--	650
Sweet crab apple	1,090	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,090
Eastern hophornbeam	78,227	9,537	2,792	823	145	57	--	--	--	--	--	--	--	--	--	91,581
Sourwood	134,032	52,671	17,917	9,136	3,539	1,336	267	149	92	--	--	--	--	--	--	219,139
Cherry and plum spp.	545	473	111	44	--	--	44	34	--	--	--	--	--	--	--	1,250
Pin cherry	8,208	8,052	1,420	807	410	108	31	--	--	--	--	--	--	--	--	19,037
Chokecherry	--	--	88	--	--	--	--	52	--	--	--	--	--	--	--	140
American plum	--	1,084	--	--	--	--	--	--	--	--	--	--	--	--	--	1,084
Sweet cherry, domesticated	--	--	90	98	44	90	82	44	--	--	--	--	--	--	--	448
Scrub oak	10,161	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10,161

(Table 10 continued on next page)

(Table 10 continued)

Species group/Species	Diameter class (inches)															All classes
	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Eastern noncommercial hardwoods																
Willow spp.	--	--	93	55	--	--	--	--	--	--	--	--	--	--	--	147
American mountain-ash	339	169	134	14	35	--	--	--	--	--	--	--	--	--	--	691
Northern mountain-ash	339	--	45	--	--	--	--	--	--	--	--	--	--	--	--	384
Other or unknown live tree	478	--	--	--	--	--	--	--	--	--	--	--	--	--	--	478
Group subtotal	723,857	175,013	44,412	19,451	8,258	3,782	1,250	760	407	192	174	46	--	--	--	977,602
All hardwoods	3,226,454	1,008,591	493,766	344,794	257,509	189,211	138,167	99,013	59,783	35,552	32,250	11,180	2,939	1,129	320	5,900,657
All species groups	3,422,883	1,090,988	541,206	376,067	279,425	202,262	147,168	104,599	62,923	37,277	34,041	11,538	3,040	1,129	320	6,314,865

All table cells without observations in the inventory sample are indicated by --.
Table value of 0 indicates the number of trees rounds to less than 1,000 trees.
Columns and rows may not add to their totals due to rounding.

Table WV-11.—Number of growing-stock trees (at least 5 inches d.b.h.) on timberland by species group, species, and diameter class, West Virginia, 2013

Species group/Species	Diameter class (inches)												All classes	
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9		37.0+
Softwood species groups														
Eastern softwood species groups														
Loblolly and shortleaf pines														
Shortleaf pine	18	90	123	79	44	44	--	--	--	--	--	--	--	397
Loblolly pine	3,240	1,859	1,085	184	92	--	--	--	--	--	--	--	--	6,460
Group subtotal	3,258	1,949	1,208	263	136	44	--	--	--	--	--	--	--	6,857
Other yellow pines														
Table Mountain pine	847	765	893	556	294	131	--	--	--	--	--	--	--	3,485
Pitch pine	2,416	1,516	1,207	1,306	729	377	259	--	14	--	--	--	--	7,824
Scotch pine	44	96	44	--	--	--	--	--	--	--	--	--	--	183
Virginia pine	6,974	8,103	6,214	3,727	2,232	1,428	198	44	44	--	--	--	--	28,964
Group subtotal	10,280	10,480	8,358	5,589	3,256	1,936	457	44	57	--	--	--	--	40,456
Eastern white and red pines														
Red pine	261	365	52	--	--	--	--	--	--	--	--	--	--	678
Eastern white pine	6,858	4,735	3,070	1,783	1,724	968	1,081	674	606	250	--	--	--	21,748
Group subtotal	7,118	5,100	3,122	1,783	1,724	968	1,081	674	606	250	--	--	--	22,426
Spruce and balsam fir														
Red spruce	3,468	1,519	992	928	732	525	323	172	179	24	18	--	--	8,880
Group subtotal	3,468	1,519	992	928	732	525	323	172	179	24	18	--	--	8,880

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Eastern hemlock														
Eastern hemlock	10,132	6,265	3,832	2,017	1,349	1,082	647	302	574	31	35	--	--	26,269
Group subtotal	10,132	6,265	3,832	2,017	1,349	1,082	647	302	574	31	35	--	--	26,269
Other eastern softwoods														
Eastern redcedar	1,298	567	449	312	88	--	--	--	--	--	--	--	--	2,713
Norway spruce	107	125	55	--	107	38	--	--	--	--	--	--	--	432
Group subtotal	1,405	692	504	312	195	38	--	--	--	--	--	--	--	3,145
All softwoods	35,662	26,005	18,016	10,892	7,391	4,593	2,508	1,192	1,416	305	53	--	--	108,034

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hardwood species groups														
Eastern hardwood species groups														
Select white oaks														
White oak	17,204	19,252	21,123	17,843	13,480	9,746	6,275	3,528	3,215	603	229	44	--	112,542
Swamp white oak	--	44	--	44	--	44	--	--	--	--	--	--	--	132
Chinkapin oak	313	209	104	52	166	140	38	44	--	--	--	--	--	1,066
Group subtotal	17,517	19,504	21,227	17,940	13,646	9,929	6,314	3,572	3,215	603	229	44	--	113,740
Select red oaks														
Northern red oak	8,326	7,982	8,192	6,922	7,497	6,581	5,038	4,395	4,903	1,962	802	246	161	63,007
Group subtotal	8,326	7,982	8,192	6,922	7,497	6,581	5,038	4,395	4,903	1,962	802	246	161	63,007
Other white oaks														
Chestnut oak	19,306	26,476	24,171	17,925	16,195	10,579	7,013	3,422	3,793	1,113	282	96	--	130,370
Post oak	306	318	134	178	82	--	--	44	--	--	44	--	--	1,106
Group subtotal	19,612	26,794	24,305	18,102	16,277	10,579	7,013	3,466	3,793	1,113	326	96	--	131,476
Other red oaks														
Scarlet oak	5,036	6,937	6,987	6,605	4,557	3,138	1,796	718	745	419	52	--	--	36,991
Southern red oak	--	40	36	--	44	--	--	52	--	--	--	--	--	172
Shingle oak	--	--	44	44	--	--	--	--	--	--	--	--	--	87
Blackjack oak	--	--	52	--	--	--	--	--	--	--	--	--	--	52
Black oak	5,732	5,959	6,551	6,688	7,443	5,141	2,896	2,565	1,515	633	88	64	--	45,274
Group subtotal	10,769	12,936	13,669	13,337	12,044	8,279	4,692	3,335	2,260	1,052	140	64	--	82,576

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hickory														
Bitternut hickory	1,315	1,775	1,123	1,384	991	917	440	184	161	--	--	--	--	8,289
Pignut hickory	13,172	12,130	7,247	7,008	4,229	2,708	1,408	789	201	148	46	--	--	49,087
Shellbark hickory	--	--	--	--	--	52	--	--	--	--	--	--	--	52
Shagbark hickory	8,197	5,983	4,580	3,318	2,212	886	507	219	88	14	--	--	--	26,004
Mockernut hickory	9,742	8,639	7,804	4,220	2,452	1,661	560	140	44	--	--	--	--	35,261
Red hickory	44	--	--	--	--	--	--	--	--	--	--	--	--	44
Group subtotal	32,470	28,526	20,754	15,930	9,884	6,224	2,914	1,332	494	162	46	--	--	118,736
Yellow birch														
Yellow birch	5,905	5,343	3,630	2,337	1,259	563	316	105	18	31	--	--	--	19,507
Group subtotal	5,905	5,343	3,630	2,337	1,259	563	316	105	18	31	--	--	--	19,507
Hard maple														
Black maple	297	249	135	132	52	44	--	--	--	--	--	--	--	908
Sugar maple	48,564	32,720	21,697	14,137	8,551	5,372	3,000	1,387	1,390	530	133	40	31	137,551
Group subtotal	48,861	32,969	21,831	14,268	8,603	5,415	3,000	1,387	1,390	530	133	40	31	138,459
Soft maple														
Red maple	70,873	45,579	31,276	20,507	12,160	8,289	4,413	2,173	1,300	180	140	--	--	196,889
Silver maple	--	--	176	44	--	44	88	74	44	44	--	--	--	513
Group subtotal	70,873	45,579	31,452	20,551	12,160	8,332	4,501	2,247	1,344	224	140	--	--	197,403

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Beech														
American beech	18,404	11,988	7,789	4,788	3,672	3,108	1,889	1,070	749	550	236	--	--	54,243
Group subtotal	18,404	11,988	7,789	4,788	3,672	3,108	1,889	1,070	749	550	236	--	--	54,243
Tupelo and blackgum														
Blackgum	13,311	5,471	3,211	1,483	1,208	916	459	219	157	144	70	--	--	26,650
Group subtotal	13,311	5,471	3,211	1,483	1,208	916	459	219	157	144	70	--	--	26,650
Ash														
White ash	9,072	7,116	6,267	4,008	3,195	2,411	1,446	715	571	298	--	52	--	35,150
Black ash	--	--	46	--	--	--	--	--	--	--	--	--	--	46
Green ash	271	186	44	--	44	44	52	--	--	--	--	--	--	641
Group subtotal	9,344	7,302	6,356	4,008	3,239	2,455	1,498	715	571	298	--	52	--	35,836
Cottonwood and aspen														
Bigtooth aspen	976	447	873	650	389	395	438	134	88	--	--	--	--	4,389
Quaking aspen	38	230	115	38	--	--	--	--	--	--	--	--	--	422
Group subtotal	1,014	677	988	689	389	395	438	134	88	--	--	--	--	4,811
Basswood														
American basswood	4,536	4,506	4,403	3,674	3,015	3,131	1,529	987	678	337	18	--	--	26,814
White basswood	52	--	52	--	--	52	--	--	--	--	--	--	--	156
Group subtotal	4,588	4,506	4,455	3,674	3,015	3,183	1,529	987	678	337	18	--	--	26,970

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Yellow-poplar														
Yellow-poplar	28,203	21,645	18,483	16,656	15,864	14,005	9,395	6,262	5,137	1,377	245	125	--	137,398
Group subtotal	28,203	21,645	18,483	16,656	15,864	14,005	9,395	6,262	5,137	1,377	245	125	--	137,398
Black walnut														
Black walnut	1,259	1,781	1,624	1,393	771	725	261	44	96	--	44	--	--	7,997
Group subtotal	1,259	1,781	1,624	1,393	771	725	261	44	96	--	44	--	--	7,997

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern soft hardwoods														
Boxelder	536	172	208	92	--	--	--	--	--	--	--	--	--	1,008
River birch	191	96	309	44	--	--	--	--	--	--	--	--	--	640
Sugarberry	44	--	--	--	--	--	--	--	--	--	--	--	--	44
Hackberry	434	306	266	188	46	101	88	--	--	--	--	--	--	1,429
Butternut	228	250	148	--	52	--	--	--	--	--	--	--	--	677
Magnolia spp.	--	--	52	52	--	--	--	--	--	--	--	--	--	104
Cucumbertree	4,048	2,767	2,367	2,258	1,956	1,314	721	315	238	94	--	--	--	16,079
Mountain or Fraser magnolia	1,676	952	930	878	348	214	--	--	--	--	--	--	--	4,999
Umbrella magnolia	244	--	--	--	--	--	--	--	--	--	--	--	--	244
Paulownia, empress-tree	301	313	274	156	40	36	--	--	40	--	--	--	--	1,159
American sycamore	3,272	3,008	1,400	1,265	1,097	1,109	964	476	688	280	--	142	44	13,746
Black cherry	9,491	7,132	6,063	5,715	4,859	3,089	2,200	1,115	1,352	191	--	--	--	41,205
Black willow	--	38	--	--	--	--	--	--	--	--	--	--	--	38
Sassafras	4,491	3,124	1,764	1,043	193	215	70	189	52	--	--	--	--	11,141
American elm	2,760	1,675	1,121	881	486	390	184	46	--	--	--	--	--	7,544
Slippery elm	4,050	3,082	1,888	898	438	421	153	52	75	--	--	--	--	11,058
Group subtotal	31,766	22,915	16,791	13,471	9,515	6,889	4,379	2,193	2,445	564	--	142	44	111,114

(Table 11 continued on next page)

(Table 11 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern hard hardwoods														
Sweet birch	15,039	11,405	8,479	4,435	2,374	1,360	464	44	157	--	--	--	--	43,759
Catalpa spp.	--	--	--	38	38	--	--	38	--	--	--	--	--	115
Flowering dogwood	388	--	--	--	--	--	--	--	--	--	--	--	--	388
Common persimmon	455	220	221	44	88	--	--	--	--	--	--	--	--	1,028
Honeylocust	--	--	--	--	--	44	--	--	--	--	--	--	--	44
American holly	--	44	--	--	--	--	--	--	--	--	--	--	--	44
White mulberry	46	--	--	--	--	--	--	--	--	--	--	--	--	46
Red mulberry	90	--	--	--	--	--	--	--	--	--	--	--	--	90
Black locust	6,919	5,008	3,285	2,241	1,240	565	374	271	39	--	--	--	--	19,943
Group subtotal	22,938	16,676	11,986	6,759	3,740	1,970	838	353	196	--	--	--	--	65,455
All hardwoods	345,160	272,596	216,743	162,306	122,785	89,549	54,473	31,814	27,535	8,947	2,427	808	236	1,335,381
All species groups	380,822	298,601	234,760	173,198	130,175	94,142	56,981	33,007	28,951	9,252	2,480	808	236	1,443,414

All table cells without observations in the inventory sample are indicated by --.
Table value of 0 indicates the number of trees rounds to less than 1,000 trees.
Columns and rows may not add to their totals due to rounding.

Table WV-12.—Net volume of live trees (at least 5 inches d.b.h.) by owner class and forest land status, West Virginia, 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
Forest Service							
National forest	2,625.5	17.7	2,643.2	575.4	--	575.4	3,218.7
Other national forest	15.2	--	15.2	--	--	--	15.2
Other Federal							
National Park Service	--	--	--	187.6	--	187.6	187.6
Fish and Wildlife Service	--	--	--	33.1	--	33.1	33.1
Department of Defense or Energy	155.4	--	155.4	39.2	--	39.2	194.6
Other Federal	66.9	--	66.9	--	--	--	66.9
State and local government							
State	654.4	--	654.4	124.9	--	124.9	779.3
Local (county, municipal, etc.)	73.8	--	73.8	--	--	--	73.8
Other non-Federal lands	17.2	--	17.2	--	--	--	17.2
Private							
Undifferentiated private	23,721.9	125.4	23,847.3	--	--	--	23,847.3
All owners	27,330.4	143.1	27,473.5	960.3	--	960.3	28,433.8

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-13.—Net volume of live trees (at least 5 inches d.b.h.) on forest land by forest-type group and stand-size class, West Virginia, 2013

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
White / red / jack pine group	161.1	17.2	--	--	--	178.4
Spruce / fir group	93.4	8.9	2.6	--	--	105.0
Loblolly / shortleaf pine group	185.6	85.3	3.0	--	--	273.9
Other eastern softwoods group	1.3	5.0	1.3	--	--	7.6
Oak / pine group	412.7	136.9	9.1	--	--	558.7
Oak / hickory group	19,135.0	1,939.1	124.8	--	--	21,198.9
Oak / gum / cypress group	33.7	--	--	--	--	33.7
Elm / ash / cottonwood group	331.7	53.5	0.9	--	--	386.1
Maple / beech / birch group	4,831.4	576.7	37.7	--	--	5,445.8
Aspen / birch group	9.4	14.1	--	--	--	23.6
Other hardwoods group	182.2	25.3	6.4	--	--	213.9
Exotic hardwoods group	3.2	1.5	--	--	--	4.6
Nonstocked	--	--	--	--	3.7	3.7
All forest-type groups	25,380.8	2,863.5	185.8	--	3.7	28,433.8

All table cells without observations in the inventory sample are indicated by --.
 Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
 Columns and rows may not add to their totals due to rounding.

Table WV-14.—Net volume of live trees (at least 5 inches d.b.h.) on forest land by species group, species, and ownership group, West Virginia, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	1.7	--	--	4.6	6.3
Loblolly pine	--	--	--	37.0	37.0
Group subtotal	1.7	--	--	41.6	43.3
Other yellow pines					
Table Mountain pine	15.8	--	1.8	22.6	40.2
Pitch pine	22.0	--	6.4	74.3	102.7
Scotch pine	--	--	--	1.1	1.1
Virginia pine	11.4	1.7	8.9	307.8	329.8
Group subtotal	49.2	1.7	17.0	405.8	473.8
Eastern white and red pines					
Red pine	--	--	--	4.5	4.5
Eastern white pine	62.0	1.9	27.7	289.5	381.1
Group subtotal	62.0	1.9	27.7	294.0	385.6
Spruce and balsam fir					
Balsam fir	--	--	0.1	--	0.1
Red spruce	193.4	17.2	3.3	5.5	219.5
Group subtotal	193.4	17.2	3.4	5.5	219.6
Eastern hemlock					
Eastern hemlock	125.5	1.2	24.4	235.8	386.9
Group subtotal	125.5	1.2	24.4	235.8	386.9
Other eastern softwoods					
Atlantic white-cedar	--	0.3	--	--	0.3
Eastern redcedar	--	2.5	--	22.0	24.5
Norway spruce	0.1	--	--	4.9	5.0
Group subtotal	0.1	2.9	--	26.9	29.8
All softwoods	431.9	25.0	72.5	1,009.6	1,539.0

(Table 14 continued on next page)

(Table 14 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	110.9	38.9	78.5	2,149.0	2,377.3
Swamp white oak	--	--	--	3.2	3.2
Chinkapin oak	0.5	0.1	--	17.5	18.1
Group subtotal	111.4	39.0	78.5	2,169.7	2,398.6
Select red oaks					
Northern red oak	355.5	65.9	76.8	1,743.7	2,241.8
Group subtotal	355.5	65.9	76.8	1,743.7	2,241.8
Other white oaks					
Chestnut oak	288.6	33.1	105.0	2,212.4	2,639.1
Post oak	--	1.0	--	23.3	24.3
Group subtotal	288.6	34.1	105.0	2,235.7	2,663.4
Other red oaks					
Scarlet oak	43.3	15.2	36.5	686.1	781.1
Southern red oak	--	--	--	5.4	5.4
Shingle oak	--	--	1.7	1.4	3.0
Blackjack oak	--	--	--	0.5	0.5
Black oak	58.2	34.0	27.7	1,075.5	1,195.4
Group subtotal	101.5	49.2	65.9	1,768.9	1,985.4
Hickory					
Hickory spp.	--	--	--	0.0	0.0
Bitternut hickory	2.5	9.5	4.5	175.2	191.7
Pignut hickory	43.5	16.4	13.0	757.9	830.9
Shellbark hickory	--	--	--	2.2	2.2
Shagbark hickory	11.9	12.3	5.0	343.5	372.7
Mockernut hickory	14.6	6.8	25.4	452.8	499.6
Red hickory	0.1	--	--	--	0.1
Group subtotal	72.6	45.1	48.0	1,731.5	1,897.1
Yellow birch					
Yellow birch	157.1	9.8	0.9	122.5	290.4
Group subtotal	157.1	9.8	0.9	122.5	290.4
Hard maple					
Black maple	--	0.4	--	9.7	10.1
Sugar maple	233.1	16.6	42.0	1,720.2	2,011.8
Norway maple	--	--	--	1.3	1.3
Group subtotal	233.1	17.0	42.0	1,731.2	2,023.2
Soft maple					
Red maple	421.7	18.9	72.5	2,123.6	2,636.7
Silver maple	--	8.3	--	34.9	43.2
Group subtotal	421.7	27.2	72.5	2,158.6	2,679.9

(Table 14 continued on next page)

(Table 14 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Beech					
American beech	135.7	7.9	19.0	909.6	1,072.2
Group subtotal	135.7	7.9	19.0	909.6	1,072.2
Sweetgum					
Sweetgum	--	0.1	--	--	0.1
Group subtotal	--	0.1	--	--	0.1
Tupelo and blackgum					
Blackgum	21.7	2.4	8.5	253.8	286.4
Group subtotal	21.7	2.4	8.5	253.8	286.4
Ash					
White ash	53.3	15.2	22.6	663.9	754.9
Black ash	--	--	--	0.6	0.6
Green ash	--	--	--	9.1	9.1
Group subtotal	53.3	15.2	22.6	673.6	764.6
Cottonwood and aspen					
Bigtooth aspen	4.0	2.0	--	96.2	102.1
Quaking aspen	--	--	--	3.8	3.8
Group subtotal	4.0	2.0	--	100.0	106.0
Basswood					
American basswood	122.6	6.6	18.9	596.9	745.0
White basswood	--	--	--	3.0	3.0
Group subtotal	122.6	6.6	18.9	599.9	748.0
Yellow-poplar					
Yellow-poplar	188.4	94.8	108.2	3,764.8	4,156.2
Group subtotal	188.4	94.8	108.2	3,764.8	4,156.2
Black walnut					
Black walnut	--	0.3	4.1	164.6	169.0
Group subtotal	--	0.3	4.1	164.6	169.0

(Table 14 continued on next page)

(Table 14 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern soft hardwoods					
Boxelder	--	1.2	1.3	37.1	39.7
River birch	--	0.1	1.4	6.1	7.6
Northern catalpa	--	--	--	0.1	0.1
Sugarberry	--	--	--	0.1	0.1
Hackberry	--	--	0.1	22.4	22.5
Butternut	--	--	--	6.6	6.6
Magnolia spp.	--	--	--	1.3	1.3
Cucumbertree	32.2	4.2	20.1	225.3	281.9
Mountain or Fraser magnolia	11.3	0.5	2.5	43.0	57.3
Umbrella magnolia	--	--	--	0.4	0.4
Paulownia, empress-tree	--	--	--	19.4	19.4
American sycamore	0.1	9.5	18.3	315.7	343.6
Black cherry	332.5	1.9	50.3	757.7	1,142.4
Black willow	--	0.1	--	1.3	1.4
Sassafras	7.6	1.1	4.6	111.0	124.3
Elm spp.	--	--	--	0.1	0.1
American elm	--	4.4	5.2	105.8	115.4
Slippery elm	4.6	0.9	0.1	116.7	122.2
Group subtotal	388.2	24.0	103.9	1,770.3	2,286.4
Other eastern hard hardwoods					
Sweet birch	106.1	5.0	7.8	371.5	490.5
Catalpa spp.	--	--	--	5.6	5.6
Flowering dogwood	0.1	0.2	--	2.8	3.1
Common persimmon	--	--	--	8.6	8.6
Honeylocust	--	--	--	2.5	2.5
American holly	--	--	--	0.8	0.8
White mulberry	--	--	--	0.1	0.1
Red mulberry	--	--	--	0.4	0.4
Black locust	18.1	4.7	3.0	265.9	291.7
Group subtotal	124.3	10.0	10.8	658.2	803.2

(Table 14 continued on next page)

(Table 14 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Eastern noncommercial hardwoods					
Striped maple	3.0	0.1	--	2.9	6.0
Mountain maple	0.0	--	--	--	0.0
Yellow buckeye	0.9	2.9	6.2	88.7	98.7
Ailanthus	0.0	1.6	0.5	32.2	34.4
Mimosa, silktree	--	--	--	1.0	1.0
Serviceberry spp.	7.4	--	0.3	11.5	19.1
Common serviceberry	--	--	--	0.0	0.0
Pawpaw	--	--	--	0.0	0.0
American hornbeam, musclewood	0.2	0.0	--	4.8	5.0
American chestnut	0.1	--	--	0.2	0.2
Eastern redbud	0.1	--	0.1	3.6	3.7
Hawthorn spp.	0.3	--	0.0	2.6	2.9
Osage-orange	--	--	--	0.7	0.7
Apple spp.	0.8	--	0.1	7.2	8.1
Eastern hophornbeam	0.9	--	--	8.1	9.0
Sourwood	3.3	2.0	5.0	103.9	114.3
Cherry and plum spp.	--	--	--	1.9	1.9
Pin cherry	5.1	--	--	5.6	10.7
Chokecherry	--	--	--	1.5	1.5
Sweet cherry, domesticated	--	--	0.1	4.5	4.6
Willow spp.	--	--	--	0.4	0.4
American mountain-ash	0.6	--	--	--	0.6
Northern mountain-ash	0.1	--	--	--	0.1
Group subtotal	22.6	6.7	12.4	281.2	322.9
All hardwoods	2,802.0	457.3	797.8	22,837.8	26,894.8
All species groups	3,233.9	482.3	870.4	23,847.3	28,433.8

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-15.—Net volume of live trees (at least 5 inches d.b.h.) on forest land by species group, species, and diameter class, West Virginia, 2013

Species group/Species	Diameter class (inches)												All classes	
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9		37.0+
Softwood species groups														
Eastern softwood species groups														
Loblolly and shortleaf pines														
Shortleaf pine	0	0	1	1	1	2	--	--	--	--	--	--	--	6
Loblolly pine	8	12	12	3	2	--	--	--	--	--	--	--	--	37
Group subtotal	8	12	14	4	3	2	--	--	--	--	--	--	--	43
Other yellow pines														
Table Mountain pine	3	5	11	9	7	4	--	1	--	--	--	--	--	40
Pitch pine	9	11	15	24	18	14	11	--	1	--	--	--	--	103
Scotch pine	0	1	0	--	--	--	--	--	--	--	--	--	--	1
Virginia pine	22	55	72	64	54	47	10	2	5	--	--	--	--	330
Group subtotal	33	71	98	97	79	65	21	3	6	--	--	--	--	474
Eastern white and red pines														
Red pine	1	3	1	--	--	--	--	--	--	--	--	--	--	4
Eastern white pine	20	30	35	32	47	35	54	41	51	27	8	--	--	381
Group subtotal	21	33	36	32	47	35	54	41	51	27	8	--	--	386
Spruce and balsam fir														
Balsam fir	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Red spruce	13	16	20	27	33	33	28	22	22	3	2	--	--	219
Group subtotal	14	16	20	27	33	33	28	22	22	3	2	--	--	220
Eastern hemlock														
Eastern hemlock	30	39	49	46	48	47	33	29	52	9	5	--	--	387
Group subtotal	30	39	49	46	48	47	33	29	52	9	5	--	--	387
Other eastern softwoods														
Atlantic white-cedar	--	--	0	--	--	--	--	--	--	--	--	--	--	0
Eastern redcedar	3	4	5	5	2	1	3	--	--	--	--	--	--	25
Norway spruce	0	1	1	--	2	1	--	--	--	--	--	--	--	5
Group subtotal	4	5	6	5	5	2	3	--	--	--	--	--	--	30
All softwoods	110	176	224	212	215	184	140	95	130	39	15	--	--	1,539

(Table 15 continued on next page)

(Table 15 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hardwood species groups														
Eastern hardwood species groups														
Select white oaks														
White oak	47	115	236	324	367	354	294	220	272	81	44	22	--	2,377
Swamp white oak	0	0	--	1	--	1	--	--	--	--	--	--	--	3
Chinkapin oak	1	1	1	1	4	5	2	3	--	--	--	--	--	18
Group subtotal	48	117	237	327	371	361	296	223	272	81	44	22	--	2,399
Select red oaks														
Northern red oak	25	54	105	136	216	254	252	294	421	247	127	60	52	2,242
Group subtotal	25	54	105	136	216	254	252	294	421	247	127	60	52	2,242
Other white oaks														
Chestnut oak	55	167	274	322	414	371	322	208	309	129	45	18	4	2,639
Post oak	1	3	2	4	4	--	--	3	--	--	8	--	--	24
Group subtotal	56	170	276	327	418	371	322	211	309	129	53	18	4	2,663
Other red oaks														
Scarlet oak	15	49	85	130	123	119	90	43	64	54	10	--	--	781
Southern red oak	--	0	0	--	1	--	--	3	--	--	--	--	--	5
Shingle oak	--	--	1	1	--	--	2	--	--	--	--	--	--	3
Blackjack oak	--	--	1	--	--	--	--	--	--	--	--	--	--	1
Black oak	17	39	80	128	206	203	141	151	126	75	15	14	--	1,195
Group subtotal	32	88	167	259	331	322	232	197	190	129	25	14	--	1,985
Hickory														
Hickory spp.	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Bitternut hickory	5	14	16	31	34	41	24	14	14	--	--	--	--	192
Pignut hickory	37	89	103	154	142	119	82	57	18	21	8	--	--	831
Shellbark hickory	--	--	--	--	--	2	--	--	--	--	--	--	--	2
Shagbark hickory	23	43	64	75	67	40	31	18	10	2	--	--	--	373
Mockernut hickory	30	64	107	94	82	72	29	12	11	--	--	--	--	500
Red hickory	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Group subtotal	95	211	289	353	325	274	167	100	53	23	8	--	--	1,897
Yellow birch														
Yellow birch	22	45	60	54	42	27	15	7	6	5	5	1	--	290
Group subtotal	22	45	60	54	42	27	15	7	6	5	5	1	--	290
Hard maple														
Black maple	1	2	1	2	1	3	--	--	--	--	--	--	--	10
Sugar maple	146	243	292	309	263	223	162	98	122	94	27	26	8	2,012
Norway maple	--	--	--	--	--	1	--	--	--	--	--	--	--	1
Group subtotal	147	245	293	312	265	226	162	98	122	94	27	26	8	2,023
Soft maple														
Red maple	187	314	415	443	376	339	241	147	118	31	25	--	2	2,637
Silver maple	--	0	3	2	1	2	6	7	6	11	5	--	--	43
Group subtotal	187	314	418	445	377	341	247	154	124	42	29	--	2	2,680

(Table 15 continued on next page)

(Table 15 continued)

Species group/Species	Diameter class (inches)												All classes	
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9		37.0+
Beech														
American beech	55	90	109	119	130	144	115	82	88	91	48	--	--	1,072
Group subtotal	55	90	109	119	130	144	115	82	88	91	48	--	--	1,072
Sweetgum														
Sweetgum	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Group subtotal	0	--	--	--	--	0	--	--	--	--	--	--	--	0
Tupelo and blackgum														
Blackgum	36	34	40	28	35	33	24	16	15	16	10	--	--	286
Group subtotal	36	34	40	28	35	33	24	16	15	16	10	--	--	286
Ash														
White ash	33	61	91	98	103	110	94	53	61	38	2	11	--	755
Black ash	0	--	1	--	--	--	--	--	--	--	--	--	--	1
Green ash	1	2	1	--	1	2	3	--	--	--	--	--	--	9
Group subtotal	34	62	92	98	104	111	97	53	61	38	2	11	--	765
Cottonwood and aspen														
Bigtooth aspen	3	4	13	13	12	17	23	8	9	--	--	--	--	102
Quaking aspen	0	2	1	1	--	--	--	--	--	--	--	--	--	4
Group subtotal	3	5	14	14	12	17	23	8	9	--	--	--	--	106
Basswood														
American basswood	15	34	60	84	104	150	92	75	71	55	5	--	--	745
White basswood	0	--	1	--	--	2	--	--	--	--	--	--	--	3
Group subtotal	15	34	61	84	104	153	92	75	71	55	5	--	--	748
Yellow-poplar														
Yellow-poplar	80	173	263	404	553	685	595	517	576	209	52	35	16	4,156
Group subtotal	80	173	263	404	553	685	595	517	576	209	52	35	16	4,156
Black walnut														
Black walnut	6	14	23	28	26	28	17	8	12	3	6	--	--	169
Group subtotal	6	14	23	28	26	28	17	8	12	3	6	--	--	169

(Table 15 continued on next page)

(Table 15 continued)

Species group/Species	Diameter class (inches)												All classes	
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9		37.0+
Other eastern soft hardwoods														
Boxelder	4	6	6	6	8	4	2	--	--	4	--	--	--	40
River birch	1	1	4	2	--	--	--	--	--	--	--	--	--	8
Northern catalpa	--	0	--	--	--	--	--	--	--	--	--	--	--	0
Sugarberry	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Hackberry	2	3	3	4	2	4	4	--	2	--	--	--	--	22
Butternut	1	2	2	--	1	--	--	--	--	--	--	--	--	7
Magnolia spp.	--	--	1	1	--	--	--	--	--	--	--	--	--	1
Cucumbertree	11	17	26	43	52	49	37	19	17	10	--	--	--	282
Mountain or Fraser magnolia	5	6	11	17	10	8	--	--	--	--	--	--	--	57
Umbrella magnolia	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Paulownia, empress-tree	1	3	3	4	4	1	--	--	3	--	--	--	--	19
American sycamore	8	19	15	25	29	41	44	28	53	33	--	31	19	344
Black cherry	38	73	100	149	184	161	153	94	156	35	--	--	--	1,142
Black willow	0	1	1	--	--	--	--	--	--	--	--	--	--	1
Sassafras	18	24	25	21	7	11	3	11	4	--	--	--	--	124
Elm spp.	--	0	--	--	--	--	--	--	--	--	--	--	--	0
American elm	11	15	17	23	15	13	10	7	--	--	5	--	--	115
Slippery elm	14	21	23	17	13	16	8	3	7	--	--	--	--	122
Group subtotal	114	191	237	311	326	307	261	161	242	81	5	31	19	2,286
Other eastern hard hardwoods														
Sweet birch	44	79	105	87	75	58	22	5	13	2	--	--	--	491
Catalpa spp.	0	0	--	1	2	1	--	3	--	--	--	--	--	6
Flowering dogwood	3	0	--	--	--	--	--	--	--	--	--	--	--	3
Common persimmon	1	2	2	1	2	--	--	--	--	--	--	--	--	9
Honeylocust	--	--	--	0	1	1	--	--	--	--	--	--	--	2
American holly	0	0	0	--	--	--	--	--	--	--	--	--	--	1
White mulberry	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Red mulberry	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Black locust	27	41	52	52	38	31	20	22	8	--	--	--	--	292
Group subtotal	76	123	159	141	118	91	43	30	21	2	--	--	--	803

(Table 15 continued on next page)

(Table 15 continued)

Species group/Species	Diameter class (inches)												All classes	
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9		37.0+
Eastern noncommercial hardwoods														
Striped maple	4	2	1	--	--	--	--	--	--	--	--	--	--	6
Mountain maple	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Yellow buckeye	7	13	17	16	10	8	8	6	9	3	--	--	--	99
Ailanthus	5	7	6	6	5	3	3	--	--	--	--	--	--	34
Mimosa, silktree	0	0	0	--	--	--	--	--	--	--	--	--	--	1
Serviceberry spp.	6	6	3	1	1	2	--	--	--	--	--	--	--	19
Common serviceberry	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Pawpaw	0	--	--	--	--	--	--	--	--	--	--	--	--	0
American hornbeam, musclewood	3	1	1	--	--	--	--	--	--	--	--	--	--	5
American chestnut	0	0	--	--	--	--	--	--	--	--	--	--	--	0
Eastern redbud	3	1	0	--	--	--	--	--	--	--	--	--	--	4
Hawthorn spp.	2	1	0	--	--	--	--	--	--	--	--	--	--	3
Osage-orange	1	0	--	--	--	--	--	--	--	--	--	--	--	1
Apple spp.	2	1	1	2	--	--	--	2	--	--	--	--	--	8
Eastern hophornbeam	4	3	1	1	--	--	--	--	--	--	--	--	--	9
Sourwood	28	33	24	16	6	3	3	--	--	--	--	--	--	114
Cherry and plum spp.	0	0	--	--	1	1	--	--	--	--	--	--	--	2
Pin cherry	2	3	3	1	1	--	--	--	--	--	--	--	--	11
Chokecherry	0	--	--	--	--	1	--	--	--	--	--	--	--	1
Sweet cherry, domesticated	0	0	0	1	1	1	--	--	--	--	--	--	--	5
Willow spp.	0	0	--	--	--	--	--	--	--	--	--	--	--	0
American mountain-ash	0	0	0	--	--	--	--	--	--	--	--	--	--	1
Northern mountain-ash	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Group subtotal	68	72	58	45	24	19	15	9	9	3	--	--	--	323
All hardwoods	1,099	2,043	2,902	3,485	3,775	3,764	2,976	2,242	2,599	1,248	446	217	100	26,895
All species groups	1,209	2,219	3,125	3,696	3,990	3,949	3,116	2,337	2,730	1,286	460	217	100	28,434

All table cells without observations in the inventory sample are indicated by --.
Table value of 0 indicates the volume rounds to less than 1 million cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-16.—Net volume of live trees (at least 5 inches d.b.h.) in million cubic feet, on forest land by forest-type group and stand origin, West Virginia, 2013

Forest-type group	Stand origin		All forest land
	Natural stands	Artificial regeneration	
White / red / jack pine group	107.8	70.6	178.4
Spruce / fir group	94.9	10.0	105.0
Loblolly / shortleaf pine group	231.4	42.5	273.9
Other eastern softwoods group	7.6	--	7.6
Oak / pine group	530.1	28.6	558.7
Oak / hickory group	21,172.5	26.3	21,198.9
Oak / gum / cypress group	33.7	--	33.7
Elm / ash / cottonwood group	386.1	--	386.1
Maple / beech / birch group	5,445.4	0.4	5,445.8
Aspen / birch group	23.6	--	23.6
Other hardwoods group	213.9	--	213.9
Exotic hardwoods group	4.6	--	4.6
Nonstocked	3.7	--	3.7
All forest-type groups	28,255.3	178.5	28,433.8

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-17.—Net volume of growing-stock trees (at least 5 inches d.b.h.) on timberland by species group, species, and diameter class, West Virginia, 2013

Species group/Species	Diameter class (inches)												All classes	
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9		37.0+
Softwood species groups														
Eastern softwood species groups														
Loblolly and shortleaf pines														
Shortleaf pine	0	0	1	1	1	2	--	--	--	--	--	--	--	6
Loblolly pine	8	11	11	3	2	--	--	--	--	--	--	--	--	34
Group subtotal	8	11	12	4	3	2	--	--	--	--	--	--	--	40
Other yellow pines														
Table Mountain pine	2	5	9	9	7	4	--	--	--	--	--	--	--	36
Pitch pine	6	9	13	22	18	12	11	--	1	--	--	--	--	93
Scotch pine	0	1	0	--	--	--	--	--	--	--	--	--	--	1
Virginia pine	18	50	68	61	53	45	8	2	3	--	--	--	--	307
Group subtotal	27	64	91	92	77	61	19	2	4	--	--	--	--	438
Eastern white and red pines														
Red pine	1	2	1	--	--	--	--	--	--	--	--	--	--	4
Eastern white pine	17	28	34	31	46	35	52	39	47	27	--	--	--	357
Group subtotal	18	30	35	31	46	35	52	39	47	27	--	--	--	361
Spruce and balsam fir														
Red spruce	8	10	12	18	21	20	16	11	14	3	2	--	--	135
Group subtotal	8	10	12	18	21	20	16	11	14	3	2	--	--	135
Eastern hemlock														
Eastern hemlock	24	33	37	30	31	33	27	16	41	4	5	--	--	279
Group subtotal	24	33	37	30	31	33	27	16	41	4	5	--	--	279
Other eastern softwoods														
Eastern redcedar	3	3	4	4	2	--	--	--	--	--	--	--	--	15
Norway spruce	0	1	1	--	2	1	--	--	--	--	--	--	--	5
Group subtotal	3	3	4	4	4	1	--	--	--	--	--	--	--	20
All softwoods	87	151	191	179	181	153	114	69	106	33	7	--	--	1,271

(Table 17 continued on next page)

(Table 17 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hardwood species groups														
Eastern hardwood species groups														
Select white oaks														
White oak	43	108	226	310	347	344	290	214	245	70	36	9	--	2,243
Swamp white oak	--	0	--	1	--	1	--	--	--	--	--	--	--	2
Chinkapin oak	1	1	1	1	4	5	2	3	--	--	--	--	--	18
Group subtotal	44	110	227	312	351	350	292	216	245	70	36	9	--	2,263
Select red oaks														
Northern red oak	22	50	95	127	202	242	237	266	393	226	127	53	52	2,093
Group subtotal	22	50	95	127	202	242	237	266	393	226	127	53	52	2,093
Other white oaks														
Chestnut oak	46	153	253	296	391	352	305	186	266	115	39	18	--	2,420
Post oak	1	2	1	3	2	--	--	3	--	--	8	--	--	19
Group subtotal	47	155	254	298	393	352	305	189	266	115	46	18	--	2,439
Other red oaks														
Scarlet oak	13	46	80	122	121	115	86	43	57	48	9	--	--	738
Southern red oak	--	0	0	--	1	--	--	3	--	--	--	--	--	5
Shingle oak	--	--	1	1	--	--	--	--	--	--	--	--	--	1
Blackjack oak	--	--	1	--	--	--	--	--	--	--	--	--	--	1
Black oak	15	37	74	121	199	188	138	151	120	72	15	14	--	1,145
Group subtotal	28	83	156	244	322	303	224	197	177	119	24	14	--	1,890
Hickory														
Bitternut hickory	4	12	15	29	31	39	24	13	14	--	--	--	--	182
Pignut hickory	34	84	96	146	133	118	79	55	18	21	8	--	--	792
Shellbark hickory	--	--	--	--	--	2	--	--	--	--	--	--	--	2
Shagbark hickory	22	41	61	72	66	40	28	15	9	2	--	--	--	355
Mockernut hickory	27	61	102	90	76	72	29	10	4	--	--	--	--	471
Red hickory	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Group subtotal	87	199	274	337	306	271	160	93	45	23	8	--	--	1,801
Yellow birch														
Yellow birch	16	34	44	43	33	21	14	6	1	4	--	--	--	216
Group subtotal	16	34	44	43	33	21	14	6	1	4	--	--	--	216
Hard maple														
Black maple	1	2	1	2	1	2	--	--	--	--	--	--	--	9
Sugar maple	126	216	264	274	241	209	150	88	108	63	21	8	8	1,775
Group subtotal	127	218	266	276	243	210	150	88	108	63	21	8	8	1,784
Soft maple														
Red maple	162	277	363	387	335	307	213	127	102	22	22	--	--	2,318
Silver maple	--	--	2	1	--	2	5	5	4	5	--	--	--	22
Group subtotal	162	277	365	388	335	309	217	132	105	27	22	--	--	2,340
Beech														
American beech	42	76	95	98	108	125	101	70	73	73	42	--	--	901
Group subtotal	42	76	95	98	108	125	101	70	73	73	42	--	--	901

(Table 17 continued on next page)

(Table 17 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Tupelo and blackgum														
Blackgum	30	29	35	26	31	31	22	13	13	16	10	--	--	257
Group subtotal	30	29	35	26	31	31	22	13	13	16	10	--	--	257
Ash														
White ash	25	51	80	83	96	97	75	48	49	38	--	11	--	654
Black ash	--	--	1	--	--	--	--	--	--	--	--	--	--	1
Green ash	1	1	1	--	1	2	3	--	--	--	--	--	--	8
Group subtotal	26	52	81	83	97	99	79	48	49	38	--	11	--	663
Cottonwood and aspen														
Bigtooth aspen	3	3	12	13	12	16	22	8	7	--	--	--	--	97
Quaking aspen	0	2	1	1	--	--	--	--	--	--	--	--	--	4
Group subtotal	3	5	14	14	12	16	22	8	7	--	--	--	--	101
Basswood														
American basswood	12	31	57	78	96	139	86	71	61	46	3	--	--	681
White basswood	0	--	1	--	--	2	--	--	--	--	--	--	--	3
Group subtotal	12	31	58	78	96	141	86	71	61	46	3	--	--	684
Yellow-poplar														
Yellow-poplar	76	163	256	385	539	650	581	505	541	203	48	35	--	3,984
Group subtotal	76	163	256	385	539	650	581	505	541	203	48	35	--	3,984
Black walnut														
Black walnut	4	11	18	25	20	26	12	2	8	--	6	--	--	131
Group subtotal	4	11	18	25	20	26	12	2	8	--	6	--	--	131
Other eastern soft hardwoods														
Boxelder	1	1	2	1	--	--	--	--	--	--	--	--	--	6
River birch	1	1	4	1	--	--	--	--	--	--	--	--	--	6
Sugarberry	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Hackberry	1	2	3	3	1	4	4	--	--	--	--	--	--	18
Butternut	1	2	2	--	1	--	--	--	--	--	--	--	--	5
Magnolia spp.	--	--	1	1	--	--	--	--	--	--	--	--	--	1
Cucumbertree	10	15	25	40	49	47	33	19	17	10	--	--	--	265
Mountain or Fraser magnolia	4	6	9	16	9	8	--	--	--	--	--	--	--	51
Umbrella magnolia	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Paulownia, empress-tree	1	2	3	3	1	1	--	--	3	--	--	--	--	13
American sycamore	8	18	14	22	28	40	44	28	53	33	--	31	19	337
Black cherry	28	53	79	121	153	133	123	82	128	26	--	--	--	925
Black willow	--	0	--	--	--	--	--	--	--	--	--	--	--	0
Sassafras	11	17	18	18	5	8	3	11	4	--	--	--	--	95
American elm	6	9	12	15	12	13	8	2	--	--	--	--	--	79
Slippery elm	10	18	20	16	11	15	8	3	6	--	--	--	--	107
Group subtotal	82	144	192	256	270	267	223	144	212	69	--	31	19	1,908

(Table 17 continued on next page)

(Table 17 continued)

Species group/Species	Diameter class (inches)													All classes
	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern hard hardwoods														
Sweet birch	41	75	99	81	66	51	21	3	13	--	--	--	--	449
Catalpa spp.	--	--	--	1	1	--	--	3	--	--	--	--	--	4
Flowering dogwood	1	--	--	--	--	--	--	--	--	--	--	--	--	1
Common persimmon	1	1	2	1	2	--	--	--	--	--	--	--	--	8
Honeylocust	--	--	--	--	--	1	--	--	--	--	--	--	--	1
American holly	--	0	--	--	--	--	--	--	--	--	--	--	--	0
White mulberry	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Red mulberry	0	--	--	--	--	--	--	--	--	--	--	--	--	0
Black locust	18	30	37	39	31	20	17	17	3	--	--	--	--	212
Group subtotal	61	107	138	122	99	72	39	22	15	--	--	--	--	675
All hardwoods	868	1,746	2,567	3,113	3,458	3,485	2,764	2,072	2,319	1,092	393	177	78	24,132
All species groups	955	1,897	2,758	3,292	3,639	3,638	2,878	2,140	2,425	1,125	400	177	78	25,403

All table cells without observations in the inventory sample are indicated by --.
Table value of 0 indicates the volume rounds to less than 1 million cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-18.—Net volume of growing-stock trees (at least 5 inches d.b.h.) on timberland by species group, species, and ownership group, West Virginia, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	1.0	--	--	4.6	5.6
Loblolly pine	--	--	--	34.0	34.0
Group subtotal	1.0	--	--	38.6	39.6
Other yellow pines					
Table Mountain pine	13.6	--	1.8	21.0	36.4
Pitch pine	17.0	--	6.4	69.5	92.9
Scotch pine	--	--	--	1.1	1.1
Virginia pine	8.9	0.4	8.9	289.1	307.3
Group subtotal	39.6	0.4	17.0	380.7	437.7
Eastern white and red pines					
Red pine	--	--	--	4.2	4.2
Eastern white pine	61.0	1.1	10.7	284.2	357.0
Group subtotal	61.0	1.1	10.7	288.3	361.1
Spruce and balsam fir					
Red spruce	129.7	--	--	5.2	134.9
Group subtotal	129.7	--	--	5.2	134.9
Eastern hemlock					
Eastern hemlock	67.5	--	15.1	196.0	278.6
Group subtotal	67.5	--	15.1	196.0	278.6
Other eastern softwoods					
Eastern redcedar	--	--	--	14.5	14.5
Norway spruce	0.1	--	--	4.9	5.0
Group subtotal	0.1	--	--	19.4	19.5
All softwoods	298.8	1.5	42.9	928.3	1,271.5

(Table 18 continued on next page)

(Table 18 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	99.7	22.3	61.1	2,059.7	2,242.8
Swamp white oak	--	--	--	2.5	2.5
Chinkapin oak	0.5	--	--	17.1	17.6
Group subtotal	100.2	22.3	61.1	2,079.2	2,262.9
Select red oaks					
Northern red oak	316.9	25.6	59.2	1,691.2	2,092.8
Group subtotal	316.9	25.6	59.2	1,691.2	2,092.8
Other white oaks					
Chestnut oak	236.3	22.1	75.5	2,086.1	2,420.0
Post oak	--	--	--	18.8	18.8
Group subtotal	236.3	22.1	75.5	2,104.9	2,438.8
Other red oaks					
Scarlet oak	33.0	7.7	28.5	669.0	738.2
Southern red oak	--	--	--	5.4	5.4
Shingle oak	--	--	--	1.4	1.4
Blackjack oak	--	--	--	0.5	0.5
Black oak	50.1	26.8	23.5	1,044.3	1,144.8
Group subtotal	83.1	34.5	52.0	1,720.6	1,890.2
Hickory					
Bitternut hickory	2.5	9.1	4.1	166.2	181.9
Pignut hickory	40.1	6.0	9.3	736.3	791.8
Shellbark hickory	--	--	--	2.2	2.2
Shagbark hickory	10.4	7.2	5.0	332.0	354.6
Mockernut hickory	12.1	6.7	23.4	428.8	470.9
Red hickory	0.1	--	--	--	0.1
Group subtotal	65.2	29.0	41.8	1,665.5	1,801.5
Yellow birch					
Yellow birch	99.2	--	0.9	116.1	216.2
Group subtotal	99.2	--	0.9	116.1	216.2
Hard maple					
Black maple	--	0.4	--	8.5	8.9
Sugar maple	180.9	13.1	35.8	1,545.5	1,775.3
Group subtotal	180.9	13.6	35.8	1,554.0	1,784.2

(Table 18 continued on next page)

(Table 18 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Soft maple					
Red maple	303.7	8.8	55.6	1,949.9	2,318.0
Silver maple	--	--	--	22.1	22.1
Group subtotal	303.7	8.8	55.6	1,972.0	2,340.1
Beech					
American beech	85.8	6.1	13.6	796.0	901.5
Group subtotal	85.8	6.1	13.6	796.0	901.5
Tupelo and blackgum					
Blackgum	17.4	0.4	4.8	234.2	256.7
Group subtotal	17.4	0.4	4.8	234.2	256.7
Ash					
White ash	36.8	5.7	15.0	596.0	653.6
Black ash	--	--	--	0.5	0.5
Green ash	--	--	--	8.5	8.5
Group subtotal	36.8	5.7	15.0	605.1	662.6
Cottonwood and aspen					
Bigtooth aspen	0.4	2.0	--	94.5	96.9
Quaking aspen	--	--	--	3.8	3.8
Group subtotal	0.4	2.0	--	98.3	100.7
Basswood					
American basswood	100.8	2.4	13.4	564.9	681.5
White basswood	--	--	--	3.0	3.0
Group subtotal	100.8	2.4	13.4	567.9	684.5
Yellow-poplar					
Yellow-poplar	179.5	24.7	104.3	3,675.9	3,984.5
Group subtotal	179.5	24.7	104.3	3,675.9	3,984.5
Black walnut					
Black walnut	--	0.2	3.5	127.5	131.2
Group subtotal	--	0.2	3.5	127.5	131.2

(Table 18 continued on next page)

(Table 18 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern soft hardwoods					
Boxelder	--	0.2	0.5	4.8	5.6
River birch	--	--	1.4	4.9	6.3
Sugarberry	--	--	--	0.1	0.1
Hackberry	--	--	0.1	17.5	17.5
Butternut	--	--	--	5.3	5.3
Magnolia spp.	--	--	--	1.3	1.3
Cucumbertree	25.2	2.8	19.1	217.6	264.6
Mountain or Fraser magnolia	6.5	--	2.5	41.5	50.6
Umbrella magnolia	--	--	--	0.4	0.4
Paulownia, empress-tree	--	--	--	12.8	12.8
American sycamore	0.1	7.1	18.3	311.2	336.7
Black cherry	220.8	0.3	40.8	663.3	925.2
Black willow	--	--	--	0.2	0.2
Sassafras	6.2	0.1	2.9	86.2	95.4
American elm	--	0.1	2.8	76.3	79.2
Slippery elm	3.3	0.5	--	103.2	107.0
Group subtotal	262.0	11.1	88.5	1,546.7	1,908.3
Other eastern hard hardwoods					
Sweet birch	88.5	1.1	5.5	353.4	448.5
Catalpa spp.	--	--	--	4.5	4.5
Flowering dogwood	--	0.1	--	0.7	0.7
Common persimmon	--	--	--	7.5	7.5
Honeylocust	--	--	--	1.3	1.3
American holly	--	--	--	0.2	0.2
White mulberry	--	--	--	0.1	0.1
Red mulberry	--	--	--	0.3	0.3
Black locust	15.7	--	2.7	193.6	212.0
Group subtotal	104.2	1.1	8.1	561.8	675.3
All hardwoods	2,172.3	209.7	633.2	21,116.8	24,132.0
All species groups	2,471.1	211.2	676.2	22,045.1	25,403.5

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-19.—Net volume of sawtimber trees, in million board feet (International 1/4-inch Rule), on timberland by species group, species, and diameter class, West Virginia, 2013

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Softwood species groups												
Eastern softwood species groups												
Loblolly and shortleaf pines												
Shortleaf pine	3	6	4	7	--	--	--	--	--	--	--	20
Loblolly pine	34	11	8	--	--	--	--	--	--	--	--	53
Group subtotal	37	17	11	7	--	--	--	--	--	--	--	73
Other yellow pines												
Table Mountain pine	30	35	30	19	--	--	--	--	--	--	--	115
Pitch pine	44	85	76	56	50	--	6	--	--	--	--	317
Scotch pine	1	--	--	--	--	--	--	--	--	--	--	1
Virginia pine	217	238	225	202	36	11	14	--	--	--	--	942
Group subtotal	293	358	331	277	85	11	20	--	--	--	--	1,375
Eastern white and red pines												
Red pine	3	--	--	--	--	--	--	--	--	--	--	3
Eastern white pine	110	124	208	170	259	205	247	148	--	--	--	1,469
Group subtotal	113	124	208	170	259	205	247	148	--	--	--	1,472
Spruce and balsam fir												
Red spruce	41	77	95	99	79	57	78	15	15	--	--	555
Group subtotal	41	77	95	99	79	57	78	15	15	--	--	555
Eastern hemlock												
Eastern hemlock	110	108	117	133	111	66	178	17	21	--	--	860
Group subtotal	110	108	117	133	111	66	178	17	21	--	--	860

(Table 19 continued on next page)

(Table 19 continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern softwoods												
Eastern redcedar	9	11	6	--	--	--	--	--	--	--	--	26
Norway spruce	2	--	10	5	--	--	--	--	--	--	--	17
Group subtotal	11	11	15	5	--	--	--	--	--	--	--	43
All softwoods	605	695	777	691	535	339	522	179	36	--	--	4,378

(Table 19 continued on next page)

(Table 19 continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hardwood species groups												
Eastern hardwood species groups												
Select white oaks												
White oak	--	1,104	1,479	1,614	1,426	1,106	1,346	414	220	61	--	8,771
Swamp white oak	--	2	--	7	--	--	--	--	--	--	--	9
Chinkapin oak	--	4	18	23	7	15	--	--	--	--	--	67
Group subtotal	--	1,110	1,497	1,643	1,434	1,121	1,346	414	220	61	--	8,847
Select red oaks												
Northern red oak	--	431	829	1,086	1,137	1,342	2,083	1,293	769	339	358	9,666
Group subtotal	--	431	829	1,086	1,137	1,342	2,083	1,293	769	339	358	9,666
Other white oaks												
Chestnut oak	--	1,014	1,508	1,472	1,382	862	1,318	617	219	105	--	8,497
Post oak	--	9	8	--	--	13	--	--	47	--	--	77
Group subtotal	--	1,023	1,516	1,472	1,382	876	1,318	617	266	105	--	8,574
Other red oaks												
Scarlet oak	--	409	495	515	414	214	299	272	56	--	--	2,674
Southern red oak	--	--	5	--	--	18	--	--	--	--	--	23
Shingle oak	--	3	--	--	--	--	--	--	--	--	--	3
Black oak	--	408	817	843	665	755	639	408	91	88	--	4,713
Group subtotal	--	820	1,316	1,358	1,079	986	939	679	147	88	--	7,412

(Table 19 continued on next page)

(Table 19 continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hickory												
Bitternut hickory	--	99	129	185	119	64	76	--	--	--	--	673
Pignut hickory	--	495	552	553	389	280	99	125	47	--	--	2,541
Shellbark hickory	--	--	--	10	--	--	--	--	--	--	--	10
Shagbark hickory	--	250	270	188	135	76	49	10	--	--	--	979
Mockernut hickory	--	308	311	339	142	54	21	--	--	--	--	1,173
Group subtotal	--	1,152	1,262	1,276	785	474	245	135	47	--	--	5,376
Yellow birch												
Yellow birch	--	156	140	94	70	33	6	21	--	--	--	520
Group subtotal	--	156	140	94	70	33	6	21	--	--	--	520
Hard maple												
Black maple	--	8	6	7	--	--	--	--	--	--	--	21
Sugar maple	--	980	1,004	963	731	443	591	374	129	51	52	5,316
Group subtotal	--	988	1,010	970	731	443	591	374	129	51	52	5,337
Soft maple												
Red maple	--	1,256	1,333	1,345	1,016	645	531	126	135	--	--	6,386
Silver maple	--	3	--	7	22	24	18	25	--	--	--	100
Group subtotal	--	1,259	1,333	1,352	1,038	669	550	151	135	--	--	6,487
Beech												
American beech	--	351	469	597	521	377	411	437	264	--	--	3,427
Group subtotal	--	351	469	597	521	377	411	437	264	--	--	3,427

(Table 19 continued on next page)

(Table 19 continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Tupelo and blackgum												
Blackgum	--	92	130	137	105	67	70	93	59	--	--	753
Group subtotal	--	92	130	137	105	67	70	93	59	--	--	753
Ash												
White ash	--	287	405	457	375	249	276	224	--	69	--	2,340
Green ash	--	--	5	8	16	--	--	--	--	--	--	29
Group subtotal	--	287	410	465	390	249	276	224	--	69	--	2,369
Cottonwood and aspen												
Bigtooth aspen	--	46	49	78	106	42	38	--	--	--	--	359
Quaking aspen	--	2	--	--	--	--	--	--	--	--	--	2
Group subtotal	--	48	49	78	106	42	38	--	--	--	--	360
Basswood												
American basswood	--	275	410	661	426	375	325	265	19	--	--	2,755
White basswood	--	--	--	11	--	--	--	--	--	--	--	11
Group subtotal	--	275	410	672	426	375	325	265	19	--	--	2,766
Yellow-poplar												
Yellow-poplar	--	1,319	2,242	3,034	2,897	2,614	2,998	1,206	304	232	--	16,846
Group subtotal	--	1,319	2,242	3,034	2,897	2,614	2,998	1,206	304	232	--	16,846
Black walnut												
Black walnut	--	88	85	121	59	12	42	--	37	--	--	444
Group subtotal	--	88	85	121	59	12	42	--	37	--	--	444

(Table 19 continued on next page)

(Table 19 continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern soft hardwoods												
Boxelder	--	5	--	--	--	--	--	--	--	--	--	5
River birch	--	2	--	--	--	--	--	--	--	--	--	2
Hackberry	--	12	4	17	20	--	--	--	--	--	--	52
Butternut	--	--	6	--	--	--	--	--	--	--	--	6
Magnolia spp.	--	2	--	--	--	--	--	--	--	--	--	2
Cucumbertree	--	143	208	221	163	95	94	59	--	--	--	984
Mountain or Fraser magnolia	--	57	36	36	--	--	--	--	--	--	--	129
Paulownia, empress-tree	--	9	4	5	--	--	16	--	--	--	--	34
American sycamore	--	79	119	186	214	146	291	192	--	199	136	1,562
Black cherry	--	416	653	624	624	426	694	153	--	--	--	3,589
Sassafras	--	63	22	36	15	56	23	--	--	--	--	215
American elm	--	55	51	61	41	12	--	--	--	--	--	221
Slippery elm	--	57	47	69	38	16	32	--	--	--	--	259
Group subtotal	--	901	1,150	1,254	1,116	751	1,150	403	--	199	136	7,060

(Table 19 continued on next page)

(Table 19 continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern hard hardwoods												
Sweet birch	--	291	281	234	104	15	66	--	--	--	--	990
Catalpa spp.	--	3	5	--	--	14	--	--	--	--	--	22
Common persimmon	--	3	8	--	--	--	--	--	--	--	--	11
Honeylocust	--	--	--	6	--	--	--	--	--	--	--	6
Black locust	--	138	129	94	86	88	14	--	--	--	--	549
Group subtotal	--	435	423	334	189	117	80	--	--	--	--	1,578
All hardwoods	--	10,735	14,269	15,941	13,463	10,547	12,467	6,313	2,397	1,145	546	87,823
All species groups	605	11,430	15,047	16,632	13,998	10,885	12,989	6,491	2,433	1,145	546	92,201

All table cells without observations in the inventory sample are indicated by --.
Table value of 0 indicates the volume rounds to less than 1 million board feet.
Columns and rows may not add to their totals due to rounding.

Table WV-19a.—Net volume of sawtimber trees, in million board feet (Doyle rule), on timberland by species group, species, and diameter class, West Virginia, 2013

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Softwood species groups												
Eastern softwood species groups												
Loblolly and shortleaf pines												
Shortleaf pine	1	3	2	5	--	--	--	--	--	--	--	11
Loblolly pine	12	5	5	--	--	--	--	--	--	--	--	22
Group subtotal	13	8	7	5	--	--	--	--	--	--	--	33
Other yellow pines												
Table Mountain pine	11	17	18	13	--	--	--	--	--	--	--	58
Pitch pine	15	41	46	39	38	--	5	--	--	--	--	184
Scotch pine	0	--	--	--	--	--	--	--	--	--	--	0
Virginia pine	75	114	135	139	27	10	12	--	--	--	--	512
Group subtotal	101	171	198	191	66	10	17	--	--	--	--	755
Eastern white and red pines												
Red pine	1	--	--	--	--	--	--	--	--	--	--	1
Eastern white pine	38	59	125	117	199	175	219	140	--	--	--	1,073
Group subtotal	39	59	125	117	199	175	219	140	--	--	--	1,074
Spruce and balsam fir												
Red spruce	14	37	57	69	61	49	68	14	16	--	--	384
Group subtotal	14	37	57	69	61	49	68	14	16	--	--	384
Eastern hemlock												
Eastern hemlock	38	52	70	92	85	56	159	16	23	--	--	592
Group subtotal	38	52	70	92	85	56	159	16	23	--	--	592

(Table 19a continued on next page)

(Table 19a continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern softwoods												
Eastern redcedar	3	5	3	--	--	--	--	--	--	--	--	12
Norway spruce	1	--	6	4	--	--	--	--	--	--	--	10
Group subtotal	4	5	9	4	--	--	--	--	--	--	--	22
All softwoods	209	332	466	477	411	290	464	170	40	--	--	2,860

(Table 19a continued on next page)

(Table 19a continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hardwood species groups												
Eastern hardwood species groups												
Select white oaks												
White oak	--	461	757	949	937	794	1,082	378	250	69	--	5,677
Swamp white oak	--	1	--	4	--	--	--	--	--	--	--	5
Chinkapin oak	--	2	9	13	5	11	--	--	--	--	--	40
Group subtotal	--	463	766	966	942	805	1,082	378	250	69	--	5,722
Select red oaks												
Northern red oak	--	180	424	638	747	963	1,676	1,174	873	385	406	7,467
Group subtotal	--	180	424	638	747	963	1,676	1,174	873	385	406	7,467
Other white oaks												
Chestnut oak	--	423	772	866	908	619	1,058	557	248	119	--	5,570
Post oak	--	4	4	--	--	10	--	--	53	--	--	71
Group subtotal	--	427	776	866	908	629	1,058	557	302	119	--	5,641
Other red oaks												
Scarlet oak	--	171	253	303	272	154	240	246	64	--	--	1,702
Southern red oak	--	--	3	--	--	13	--	--	--	--	--	15
Shingle oak	--	1	--	--	--	--	--	--	--	--	--	1
Black oak	--	170	418	496	437	542	515	369	103	100	--	3,150
Group subtotal	--	342	674	799	709	708	755	615	167	100	--	4,868

(Table 19a continued on next page)

(Table 19a continued)

Species group/Species	Diameter class (inches)											All classes	
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+		
Hickory													
Bitternut hickory	--	41	66	109	78	46	61	--	--	--	--	--	402
Pignut hickory	--	207	282	325	256	201	79	113	53	--	--	--	1,516
Shellbark hickory	--	--	--	6	--	--	--	--	--	--	--	--	6
Shagbark hickory	--	104	138	111	89	55	40	9	--	--	--	--	546
Mockernut hickory	--	128	159	199	93	39	16	--	--	--	--	--	635
Group subtotal	--	481	646	750	516	341	197	121	53	--	--	--	3,104
Yellow birch													
Yellow birch	--	65	72	55	46	23	5	19	--	--	--	--	285
Group subtotal	--	65	72	55	46	23	5	19	--	--	--	--	285
Hard maple													
Black maple	--	4	3	4	--	--	--	--	--	--	--	--	11
Sugar maple	--	409	514	566	480	318	473	340	146	58	59	--	3,363
Group subtotal	--	412	517	570	480	318	473	340	146	58	59	--	3,374
Soft maple													
Red maple	--	524	682	791	667	463	426	117	153	--	--	--	3,824
Silver maple	--	1	--	4	14	17	14	22	--	--	--	--	74
Group subtotal	--	525	682	795	682	480	441	139	153	--	--	--	3,898
Beech													
American beech	--	147	240	351	342	271	336	400	300	--	--	--	2,387
Group subtotal	--	147	240	351	342	271	336	400	300	--	--	--	2,387

(Table 19a continued on next page)

(Table 19a continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Tupelo and blackgum												
Blackgum	--	38	67	81	69	48	57	84	67	--	--	511
Group subtotal	--	38	67	81	69	48	57	84	67	--	--	511
Ash												
White ash	--	120	207	269	246	179	221	204	--	78	--	1,522
Green ash	--	--	3	5	10	--	--	--	--	--	--	18
Group subtotal	--	120	210	273	256	179	221	204	--	78	--	1,540
Cottonwood and aspen												
Bigtooth aspen	--	19	25	46	69	30	30	--	--	--	--	220
Quaking aspen	--	1	--	--	--	--	--	--	--	--	--	1
Group subtotal	--	20	25	46	69	30	30	--	--	--	--	220
Basswood												
American basswood	--	115	210	389	280	269	259	243	22	--	--	1,786
White basswood	--	--	--	7	--	--	--	--	--	--	--	7
Group subtotal	--	115	210	395	280	269	259	243	22	--	--	1,792
Yellow-poplar												
Yellow-poplar	--	550	1,147	1,784	1,903	1,877	2,411	1,084	345	263	--	11,365
Group subtotal	--	550	1,147	1,784	1,903	1,877	2,411	1,084	345	263	--	11,365
Black walnut												
Black walnut	--	37	43	71	39	9	34	--	42	--	--	275
Group subtotal	--	37	43	71	39	9	34	--	42	--	--	275

(Table 19a continued on next page)

(Table 19a continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern soft hardwoods												
Boxelder	--	2	--	--	--	--	--	--	--	--	--	2
River birch	--	1	--	--	--	--	--	--	--	--	--	1
Hackberry	--	5	2	10	13	--	--	--	--	--	--	30
Butternut	--	--	3	--	--	--	--	--	--	--	--	3
Magnolia spp.	--	1	--	--	--	--	--	--	--	--	--	1
Cucumbertree	--	60	107	130	107	68	75	51	--	--	--	598
Mountain or Fraser magnolia	--	24	19	21	--	--	--	--	--	--	--	64
Paulownia, empress-tree	--	4	2	3	--	--	13	--	--	--	--	21
American sycamore	--	33	61	109	141	105	234	173	--	226	155	1,236
Black cherry	--	174	334	367	410	306	558	139	--	--	--	2,287
Sassafras	--	26	11	21	10	40	18	--	--	--	--	127
American elm	--	23	26	36	27	9	--	--	--	--	--	121
Slippery elm	--	24	24	40	25	11	25	--	--	--	--	150
Group subtotal	--	376	588	737	733	539	923	363	--	226	155	4,641

(Table 19a continued on next page)

(Table 19a continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern hard hardwoods												
Sweet birch	--	121	144	138	68	10	53	--	--	--	--	534
Catalpa spp.	--	1	3	--	--	10	--	--	--	--	--	14
Common persimmon	--	1	4	--	--	--	--	--	--	--	--	5
Honeylocust	--	--	--	4	--	--	--	--	--	--	--	4
Black locust	--	58	66	55	56	63	11	--	--	--	--	310
Group subtotal	--	181	216	197	124	84	64	--	--	--	--	866
All hardwoods	--	4,479	7,303	9,377	8,844	7,572	10,023	5,721	2,720	1,299	620	57,957
All species groups	209	4,811	7,769	9,854	9,255	7,863	10,487	5,891	2,760	1,299	620	60,817

All table cells without observations in the inventory sample are indicated by --.
Table value of 0 indicates the volume rounds to less than 1 million board feet.
Columns and rows may not add to their totals due to rounding.

Table WV-19b.—Net volume of sawtimber trees, in million board feet (Scribner rule), on timberland by species group, species, and diameter class, West Virginia, 2013

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Softwood species groups												
Eastern softwood species groups												
Loblolly and shortleaf pines												
Shortleaf pine	3	5	3	6	--	--	--	--	--	--	--	17
Loblolly pine	26	9	7	--	--	--	--	--	--	--	--	42
Group subtotal	29	14	10	6	--	--	--	--	--	--	--	59
Other yellow pines												
Table Mountain pine	24	29	26	16	--	--	--	--	--	--	--	96
Pitch pine	35	70	65	49	44	--	5	--	--	--	--	269
Scotch pine	1	--	--	--	--	--	--	--	--	--	--	1
Virginia pine	170	197	193	177	32	10	13	--	--	--	--	792
Group subtotal	229	297	284	243	76	10	18	--	--	--	--	1,158
Eastern white and red pines												
Red pine	2	--	--	--	--	--	--	--	--	--	--	2
Eastern white pine	86	103	178	149	232	186	227	137	--	--	--	1,298
Group subtotal	88	103	178	149	232	186	227	137	--	--	--	1,300
Spruce and balsam fir												
Red spruce	32	64	81	87	71	52	71	14	14	--	--	485
Group subtotal	32	64	81	87	71	52	71	14	14	--	--	485
Eastern hemlock												
Eastern hemlock	86	89	100	116	99	60	164	15	20	--	--	750
Group subtotal	86	89	100	116	99	60	164	15	20	--	--	750

(Table 19b continued on next page)

(Table 19b continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern softwoods												
Eastern redcedar	7	9	5	--	--	--	--	--	--	--	--	21
Norway spruce	2	--	8	5	--	--	--	--	--	--	--	15
Group subtotal	9	9	13	5	--	--	--	--	--	--	--	36
All softwoods	473	576	667	607	478	307	480	166	34	--	--	3,789

(Table 19b continued on next page)

(Table 19b continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hardwood species groups												
Eastern hardwood species groups												
Select white oaks												
White oak	--	918	1,274	1,424	1,284	1,010	1,249	391	210	58	--	7,818
Swamp white oak	--	2	--	6	--	--	--	--	--	--	--	8
Chinkapin oak	--	3	15	20	7	14	--	--	--	--	--	59
Group subtotal	--	923	1,289	1,450	1,290	1,024	1,249	391	210	58	--	7,884
Select red oaks												
Northern red oak	--	359	714	958	1,023	1,225	1,932	1,218	734	324	342	8,829
Group subtotal	--	359	714	958	1,023	1,225	1,932	1,218	734	324	342	8,829
Other white oaks												
Chestnut oak	--	844	1,298	1,299	1,244	787	1,222	581	209	100	--	7,584
Post oak	--	8	7	--	--	12	--	--	45	--	--	72
Group subtotal	--	851	1,305	1,299	1,244	800	1,222	581	254	100	--	7,656
Other red oaks												
Scarlet oak	--	340	426	455	373	195	278	256	54	--	--	2,376
Southern red oak	--	--	4	--	--	16	--	--	--	--	--	20
Shingle oak	--	2	--	--	--	--	--	--	--	--	--	2
Black oak	--	339	703	744	599	689	593	384	87	84	--	4,222
Group subtotal	--	682	1,134	1,199	971	900	871	640	141	84	--	6,621

(Table 19b continued on next page)

(Table 19b continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Hickory												
Bitternut hickory	--	83	111	164	107	59	71	--	--	--	--	594
Pignut hickory	--	412	475	488	350	256	92	118	45	--	--	2,236
Shellbark hickory	--	--	--	9	--	--	--	--	--	--	--	9
Shagbark hickory	--	208	233	166	122	70	46	9	--	--	--	853
Mockernut hickory	--	256	267	299	128	49	19	--	--	--	--	1,018
Group subtotal	--	958	1,086	1,126	706	433	228	127	45	--	--	4,710
Yellow birch												
Yellow birch	--	130	120	83	63	30	6	20	--	--	--	452
Group subtotal	--	130	120	83	63	30	6	20	--	--	--	452
Hard maple												
Black maple	--	7	5	6	--	--	--	--	--	--	--	18
Sugar maple	--	815	864	850	658	404	548	352	123	49	50	4,712
Group subtotal	--	822	869	856	658	404	548	352	123	49	50	4,730
Soft maple												
Red maple	--	1,044	1,148	1,187	914	589	493	119	129	--	--	5,623
Silver maple	--	3	--	6	20	22	17	24	--	--	--	91
Group subtotal	--	1,047	1,148	1,194	934	611	510	142	129	--	--	5,714
Beech												
American beech	--	292	404	527	468	344	382	412	252	--	--	3,082
Group subtotal	--	292	404	527	468	344	382	412	252	--	--	3,082

(Table 19b continued on next page)

(Table 19b continued)

Species group/Species	Diameter class (inches)											All classes	
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+		
Tupelo and blackgum													
Blackgum	--	77	112	121	95	61	65	87	56	--	--	674	
Group subtotal	--	77	112	121	95	61	65	87	56	--	--	674	
Ash													
White ash	--	238	348	403	337	228	256	211	--	66	--	2,087	
Green ash	--	--	4	7	14	--	--	--	--	--	--	25	
Group subtotal	--	238	353	410	351	228	256	211	--	66	--	2,112	
Cottonwood and aspen													
Bigtooth aspen	--	38	42	68	95	39	35	--	--	--	--	318	
Quaking aspen	--	2	--	--	--	--	--	--	--	--	--	2	
Group subtotal	--	40	42	68	95	39	35	--	--	--	--	319	
Basswood													
American basswood	--	229	353	583	383	342	301	250	19	--	--	2,459	
White basswood	--	--	--	10	--	--	--	--	--	--	--	10	
Group subtotal	--	229	353	593	383	342	301	250	19	--	--	2,469	
Yellow-poplar													
Yellow-poplar	--	1,097	1,931	2,678	2,607	2,387	2,781	1,136	290	221	--	15,128	
Group subtotal	--	1,097	1,931	2,678	2,607	2,387	2,781	1,136	290	221	--	15,128	
Black walnut													
Black walnut	--	73	73	107	53	11	39	--	36	--	--	392	
Group subtotal	--	73	73	107	53	11	39	--	36	--	--	392	

(Table 19b continued on next page)

(Table 19b continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern soft hardwoods												
Boxelder	--	4	--	--	--	--	--	--	--	--	--	4
River birch	--	2	--	--	--	--	--	--	--	--	--	2
Hackberry	--	10	3	15	18	--	--	--	--	--	--	45
Butternut	--	--	5	--	--	--	--	--	--	--	--	5
Magnolia spp.	--	2	--	--	--	--	--	--	--	--	--	2
Cucumbertree	--	119	179	195	147	87	87	55	--	--	--	870
Mountain or Fraser magnolia	--	47	31	32	--	--	--	--	--	--	--	110
Paulownia, empress-tree	--	8	3	4	--	--	15	--	--	--	--	30
American sycamore	--	65	102	164	193	133	270	180	--	190	130	1,428
Black cherry	--	346	562	551	561	389	644	144	--	--	--	3,197
Sassafras	--	53	19	31	14	51	21	--	--	--	--	189
American elm	--	46	44	54	37	11	--	--	--	--	--	192
Slippery elm	--	48	41	60	34	14	29	--	--	--	--	227
Group subtotal	--	749	990	1,106	1,004	686	1,067	380	--	190	130	6,302

(Table 19b continued on next page)

(Table 19b continued)

Species group/Species	Diameter class (inches)											All classes
	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-24.9	25.0-28.9	29.0-32.9	33.0-36.9	37.0+	
Other eastern hard hardwoods												
Sweet birch	--	242	242	207	93	13	61	--	--	--	--	858
Catalpa spp.	--	2	4	--	--	12	--	--	--	--	--	19
Common persimmon	--	2	7	--	--	--	--	--	--	--	--	9
Honeylocust	--	--	--	5	--	--	--	--	--	--	--	5
Black locust	--	115	111	83	77	81	13	--	--	--	--	480
Group subtotal	--	361	364	295	170	106	74	--	--	--	--	1,372
All hardwoods	--	8,928	12,287	14,071	12,116	9,631	11,564	5,948	2,288	1,092	521	78,446
All species groups	473	9,504	12,954	14,678	12,594	9,939	12,044	6,114	2,321	1,092	521	82,235

All table cells without observations in the inventory sample are indicated by --.
Table value of 0 indicates the volume rounds to less than 1 million board feet.
Columns and rows may not add to their totals due to rounding.

Table WV-20.—Net volume of saw-log portion of sawtimber trees, in million cubic feet (International 1/4-inch Rule), on timberland by species group and ownership group, West Virginia, 2013

Species group	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines	0.8	--	--	17.0	17.8
Other yellow pines	28.5	0.3	13.2	262.8	304.8
Eastern white and red pines	47.1	0.3	8.6	227.6	283.6
Spruce and balsam fir	102.8	--	--	2.4	105.2
Eastern hemlock	49.6	--	12.5	138.0	200.2
Other eastern softwoods	--	--	--	11.5	11.5
All softwoods	228.8	0.7	34.3	659.4	923.1
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks	63.2	10.7	43.8	1,428.7	1,546.4
Select red oaks	250.7	19.7	46.6	1,294.5	1,611.5
Other white oaks	150.1	14.7	47.6	1,419.2	1,631.7
Other red oaks	55.4	25.4	33.4	1,222.0	1,336.3
Hickory	38.0	14.4	22.5	927.5	1,002.4
Yellow birch	48.2	--	--	49.5	97.7
Hard maple	110.9	7.9	17.5	817.7	954.1
Soft maple	182.0	4.0	26.9	1,031.8	1,244.6
Beech	44.9	3.3	9.4	511.3	568.9
Tupelo and blackgum	8.3	--	2.2	123.4	133.9
Ash	28.3	4.0	9.0	372.0	413.3
Cottonwood and aspen	--	0.5	--	64.5	65.0
Basswood	75.3	1.1	10.7	394.1	481.3
Yellow-poplar	147.5	15.6	80.8	2,649.5	2,893.4
Black walnut	--	--	2.1	77.9	80.0
Other eastern soft hardwoods	195.1	7.1	67.0	955.0	1,224.2
Other eastern hard hardwoods	52.2	--	3.3	240.2	295.7
All hardwoods	1,450.1	128.5	422.9	13,578.8	15,580.3
All species groups	1,678.9	129.2	457.2	14,238.2	16,503.4

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-20a.—Net volume of saw-log portion of sawtimber trees, in million cubic feet (Doyle Rule), on timberland by species group, species, and ownership group, West Virginia, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	0.3	--	--	2.0	2.4
Loblolly pine	--	--	--	5.4	5.4
Group subtotal	0.3	--	--	7.4	7.8
Other yellow pines					
Table Mountain pine	4.2	--	0.9	7.8	12.9
Pitch pine	8.6	--	3.6	26.9	39.1
Scotch pine	--	--	--	0.1	0.1
Virginia pine	3.0	0.1	3.0	105.0	111.1
Group subtotal	15.8	0.1	7.5	139.8	163.2
Eastern white and red pines					
Red pine	--	--	--	0.2	0.2
Eastern white pine	34.2	0.1	6.5	160.8	201.5
Group subtotal	34.2	0.1	6.5	161.0	201.8
Spruce and balsam fir					
Red spruce	70.0	--	--	0.9	70.9
Group subtotal	70.0	--	--	0.9	70.9
Eastern hemlock					
Eastern hemlock	34.6	--	8.7	91.1	134.3
Group subtotal	34.6	--	8.7	91.1	134.3
Other eastern softwoods					
Eastern redcedar	--	--	--	3.5	3.5
Norway spruce	--	--	--	2.2	2.2
Group subtotal	--	--	--	5.6	5.6
All softwoods	154.9	0.2	22.6	405.9	583.6

(Table 20a continued on next page)

(Table 20a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	41.0	6.0	29.1	890.5	966.6
Swamp white oak	--	--	--	0.9	0.9
Chinkapin oak	0.2	--	--	6.8	7.1
Group subtotal	41.2	6.0	29.1	898.3	974.6
Select red oaks					
Northern red oak	189.2	13.4	33.2	967.8	1,203.6
Group subtotal	189.2	13.4	33.2	967.8	1,203.6
Other white oaks					
Chestnut oak	96.8	9.8	28.9	899.4	1,035.0
Post oak	--	--	--	10.5	10.5
Group subtotal	96.8	9.8	28.9	909.9	1,045.5
Other red oaks					
Scarlet oak	10.6	2.5	9.0	280.3	302.4
Southern red oak	--	--	--	2.6	2.6
Shingle oak	--	--	--	0.3	0.3
Black oak	24.2	16.3	11.6	495.0	547.0
Group subtotal	34.8	18.8	20.6	778.1	852.3
Hickory					
Bitternut hickory	0.7	3.4	0.6	67.5	72.1
Pignut hickory	12.8	1.8	3.1	253.9	271.6
Shellbark hickory	--	--	--	1.1	1.1
Shagbark hickory	5.0	1.4	1.5	93.2	101.1
Mockernut hickory	3.7	1.4	7.6	107.0	119.6
Group subtotal	22.2	8.0	12.7	522.7	565.5
Yellow birch					
Yellow birch	26.9	--	--	25.9	52.7
Group subtotal	26.9	--	--	25.9	52.7
Hard maple					
Black maple	--	--	--	2.0	2.0
Sugar maple	80.0	5.1	10.6	485.4	581.2
Group subtotal	80.0	5.1	10.6	487.4	583.2
Soft maple					
Red maple	108.7	2.2	15.4	588.4	714.6
Silver maple	--	--	--	12.2	12.2
Group subtotal	108.7	2.2	15.4	600.6	726.8

(Table 20a continued on next page)

(Table 20a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Beech					
American beech	27.4	2.2	7.5	346.0	383.0
Group subtotal	27.4	2.2	7.5	346.0	383.0
Tupelo and blackgum					
Blackgum	6.4	--	1.4	80.0	87.8
Group subtotal	6.4	--	1.4	80.0	87.8
Ash					
White ash	19.3	2.9	4.8	230.4	257.5
Green ash	--	--	--	3.1	3.1
Group subtotal	19.3	2.9	4.8	233.5	260.6
Cottonwood and aspen					
Bigtooth aspen	--	0.2	--	38.7	38.9
Quaking aspen	--	--	--	0.2	0.2
Group subtotal	--	0.2	--	38.9	39.1
Basswood					
American basswood	52.1	0.6	7.8	243.7	304.2
White basswood	--	--	--	1.2	1.2
Group subtotal	52.1	0.6	7.8	244.9	305.4
Yellow-poplar					
Yellow-poplar	111.2	10.0	58.6	1,721.2	1,901.0
Group subtotal	111.2	10.0	58.6	1,721.2	1,901.0
Black walnut					
Black walnut	--	--	1.3	46.7	48.0
Group subtotal	--	--	1.3	46.7	48.0

(Table 20a continued on next page)

(Table 20a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern soft hardwoods					
Boxelder	--	--	--	0.4	0.4
River birch	--	--	--	0.2	0.2
Hackberry	--	--	--	5.4	5.4
Butternut	--	--	--	0.6	0.6
Magnolia spp.	--	--	--	0.2	0.2
Cucumbertree	12.2	0.8	10.9	81.0	105.0
Mountain or Fraser magnolia	1.6	--	0.3	10.1	12.1
Paulownia, empress-tree	--	--	--	3.7	3.7
American sycamore	--	3.4	10.0	175.1	188.5
Black cherry	111.6	--	26.2	254.6	392.4
Sassafras	1.7	--	0.8	19.9	22.4
American elm	--	--	1.4	21.0	22.3
Slippery elm	2.1	--	--	24.7	26.8
Group subtotal	129.3	4.2	49.6	596.9	780.0
Other eastern hard hardwoods					
Sweet birch	22.3	--	0.7	76.5	99.4
Catalpa spp.	--	--	--	2.3	2.3
Common persimmon	--	--	--	1.1	1.1
Honeylocust	--	--	--	0.7	0.7
Black locust	6.2	--	0.9	49.2	56.3
Group subtotal	28.5	--	1.6	129.7	159.8
All hardwoods	974.1	83.3	282.9	8,628.5	9,968.9
All species groups	1,129.0	83.6	305.5	9,034.4	10,552.5

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-20b.—Net volume of saw-log portion of sawtimber trees, in million cubic feet (Scribner Rule), on timberland by species group, species, and ownership group, West Virginia, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	0.7	--	--	3.1	3.7
Loblolly pine	--	--	--	10.7	10.7
Group subtotal	0.7	--	--	13.8	14.5
Other yellow pines					
Table Mountain pine	7.1	--	1.2	13.2	21.5
Pitch pine	12.3	--	4.8	41.1	58.2
Scotch pine	--	--	--	0.3	0.3
Virginia pine	4.6	0.3	5.2	165.5	175.6
Group subtotal	24.0	0.3	11.2	220.1	255.5
Eastern white and red pines					
Red pine	--	--	--	0.6	0.6
Eastern white pine	41.5	0.3	7.6	199.2	248.6
Group subtotal	41.5	0.3	7.6	199.7	249.2
Spruce and balsam fir					
Red spruce	89.7	--	--	1.9	91.6
Group subtotal	89.7	--	--	1.9	91.6
Eastern hemlock					
Eastern hemlock	43.3	--	10.9	119.6	173.8
Group subtotal	43.3	--	10.9	119.6	173.8
Other eastern softwoods					
Eastern redcedar	--	--	--	6.4	6.4
Norway spruce	--	--	--	3.2	3.2
Group subtotal	--	--	--	9.5	9.5
All softwoods	199.2	0.5	29.7	564.7	794.1

(Table 20b continued on next page)

(Table 20b continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	55.9	9.3	39.1	1,256.3	1,360.6
Swamp white oak	--	--	--	1.5	1.5
Chinkapin oak	0.4	--	--	10.2	10.5
Group subtotal	56.3	9.3	39.1	1,268.0	1,372.7
Select red oaks					
Northern red oak	228.2	17.7	42.0	1,177.2	1,465.1
Group subtotal	228.2	17.7	42.0	1,177.2	1,465.1
Other white oaks					
Chestnut oak	133.7	13.2	42.1	1,251.2	1,440.2
Post oak	--	--	--	11.1	11.1
Group subtotal	133.7	13.2	42.1	1,262.4	1,451.4
Other red oaks					
Scarlet oak	16.7	4.0	14.6	397.8	433.2
Southern red oak	--	--	--	3.5	3.5
Shingle oak	--	--	--	0.5	0.5
Black oak	32.3	19.2	14.9	684.5	751.0
Group subtotal	49.1	23.2	29.6	1,086.4	1,188.2
Hickory					
Bitternut hickory	1.1	5.5	1.1	100.4	108.1
Pignut hickory	20.0	2.7	4.4	382.8	410.0
Shellbark hickory	--	--	--	1.6	1.6
Shagbark hickory	6.5	2.2	2.2	150.0	160.8
Mockernut hickory	5.7	2.2	11.9	174.6	194.4
Group subtotal	33.3	12.6	19.7	809.3	874.9
Yellow birch					
Yellow birch	41.9	--	--	42.7	84.7
Group subtotal	41.9	--	--	42.7	84.7
Hard maple					
Black maple	--	--	--	3.5	3.5
Sugar maple	100.0	7.1	15.5	715.4	838.0
Group subtotal	100.0	7.1	15.5	718.9	841.4
Soft maple					
Red maple	160.5	3.5	23.6	888.7	1,076.2
Silver maple	--	--	--	15.3	15.3
Group subtotal	160.5	3.5	23.6	904.0	1,091.5

(Table 20b continued on next page)

(Table 20b continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Beech					
American beech	39.7	3.0	8.6	457.8	509.0
Group subtotal	39.7	3.0	8.6	457.8	509.0
Tupelo and blackgum					
Blackgum	7.5	--	2.0	109.8	119.3
Group subtotal	7.5	--	2.0	109.8	119.3
Ash					
White ash	25.5	3.7	7.8	325.3	362.3
Green ash	--	--	--	4.5	4.5
Group subtotal	25.5	3.7	7.8	329.8	366.8
Cottonwood and aspen					
Bigtooth aspen	--	0.4	--	56.6	57.0
Quaking aspen	--	--	--	0.4	0.4
Group subtotal	--	0.4	--	57.0	57.4
Basswood					
American basswood	67.8	0.9	9.8	347.9	426.4
White basswood	--	--	--	1.7	1.7
Group subtotal	67.8	0.9	9.8	349.7	428.2
Yellow-poplar					
Yellow-poplar	134.7	13.9	73.1	2,365.8	2,587.6
Group subtotal	134.7	13.9	73.1	2,365.8	2,587.6
Black walnut					
Black walnut	--	--	1.8	68.4	70.2
Group subtotal	--	--	1.8	68.4	70.2

(Table 20b continued on next page)

(Table 20b continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern soft hardwoods					
Boxelder	--	--	--	0.8	0.8
River birch	--	--	--	0.4	0.4
Hackberry	--	--	--	8.3	8.3
Butternut	--	--	--	0.9	0.9
Magnolia spp.	--	--	--	0.5	0.5
Cucumbertree	16.5	1.5	13.4	123.7	155.0
Mountain or Fraser magnolia	2.8	--	0.6	17.6	21.1
Paulownia, empress-tree	--	--	--	5.4	5.4
American sycamore	--	4.8	12.4	208.5	225.7
Black cherry	150.3	--	31.7	376.4	558.4
Sassafras	2.6	--	1.1	30.3	34.1
American elm	--	--	2.0	33.7	35.8
Slippery elm	2.5	--	--	38.7	41.2
Group subtotal	174.9	6.3	61.3	845.3	1,087.8
Other eastern hard hardwoods					
Sweet birch	36.4	--	1.4	123.9	161.6
Catalpa spp.	--	--	--	3.3	3.3
Common persimmon	--	--	--	1.9	1.9
Honeylocust	--	--	--	1.0	1.0
Black locust	9.0	--	1.5	78.2	88.6
Group subtotal	45.4	--	2.8	208.2	256.4
All hardwoods	1,298.5	114.8	378.6	12,060.6	13,852.4
All species groups	1,497.6	115.3	408.3	12,625.3	14,646.5

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-21.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by owner class and forest-land status, West Virginia, 2008 to 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
Forest Service							
National forest	25.1	0.3	25.4	2.3	--	2.3	27.7
Other Federal							
National Park Service	--	--	--	3.6	--	3.6	3.6
Fish and Wildlife Service	--	--	--	0.4	--	0.4	0.4
Department of Defense or Energy	0.8	--	0.8	0.9	--	0.9	1.7
Other Federal	1.5	--	1.5	--	--	--	1.5
State and local government							
State	0.6	--	0.6	-2.0	--	-2.0	-1.4
Local (county, municipal, etc.)	2.6	--	2.6	--	--	--	2.6
Private							
Undifferentiated private	538.3	3.5	541.8	--	--	--	541.8
All owners	568.8	3.8	572.6	5.2	--	5.2	577.9

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Estimates are assigned to owner class and forest-land status as identified in previous inventory when available, else assigned from current inventory.

Table WV-21a.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by owner class and forest-land status using the accounting method (O’Connell et al. 2014), West Virginia, 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
Forest Service							
National forest	14.7	-1.2	13.5	15.5	--	15.5	29.0
Other national forest	4.6	--	4.6	--	--	--	4.6
Other Federal							
National Park Service	--	--	--	9.0	--	9.0	9.0
Fish and Wildlife Service	--	--	--	0.4	--	0.4	0.4
Department of Defense or Energy	17.9	--	17.9	0.9	--	0.9	18.8
Other Federal	-16.4	--	-16.4	--	--	--	-16.4
State and local government							
State	9.5	--	9.5	-2.0	--	-2.0	7.6
Local (county, municipal, etc.)	2.6	--	2.6	--	--	--	2.6
Other non-Federal lands	3.9	--	3.9	--	--	--	3.9
Private							
Undifferentiated private	502.5	15.9	518.4	--	--	--	518.4
All owners	539.3	14.7	554.1	23.8	--	23.8	577.9

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-22.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand-size class, West Virginia, 2008 to 2013

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Non stocked	
White / red / jack pine group	-1.6	-0.1	1.2	--	--	-0.5
Spruce / fir group	1.0	-0.1	0.0	--	--	0.9
Loblolly / shortleaf pine group	2.5	2.9	1.6	--	--	7.1
Other eastern softwoods group	0.1	1.2	--	--	--	1.3
Other softwoods group	--	--	0.1	--	--	0.1
Oak / pine group	7.8	3.9	1.3	--	--	13.0
Oak / hickory group	326.8	91.7	16.2	--	--	434.7
Oak / gum / cypress group	1.0	0.0	--	--	--	1.0
Elm / ash / cottonwood group	8.7	2.9	0.3	--	--	11.9
Maple / beech / birch group	74.3	21.1	4.9	--	--	100.3
Aspen / birch group	0.3	0.2	--	--	--	0.5
Other hardwoods group	3.1	1.0	0.7	--	--	4.8
Exotic hardwoods group	--	0.6	1.7	--	--	2.3
Nonstocked	--	--	--	--	0.4	0.4
All forest-type groups	424.1	125.3	28.0	--	0.4	577.9

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Estimates are assigned to forest-type group and stand-size class as identified in previous inventory when available, else assigned from current inventory.

Table WV-22a.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by forest-type group and stand-size class, using accounting method (O’Connell et al. 2014), West Virginia, 2013

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Non stocked	
White / red / jack pine group	-9.8	1.6	-1.8	--	--	-10.1
Spruce / fir group	4.2	-0.1	0.0	--	--	4.1
Loblolly / shortleaf pine group	5.6	3.8	-0.1	--	--	9.3
Other eastern softwoods group	0.1	1.2	0.5	--	--	1.8
Other softwoods group	--	--	-0.4	--	--	-0.4
Oak / pine group	14.7	3.2	0.9	--	--	18.8
Oak / hickory group	586.0	-133.9	-7.2	--	--	444.9
Oak / gum / cypress group	1.0	-0.1	--	--	--	0.9
Elm / ash / cottonwood group	15.3	9.1	-0.4	--	--	23.9
Maple / beech / birch group	118.7	-28.3	1.5	--	--	91.9
Aspen / birch group	0.3	4.1	--	--	--	4.4
Other hardwoods group	-10.6	0.3	-0.2	--	--	-10.6
Exotic hardwoods group	0.8	-0.3	-2.0	--	--	-1.5
Nonstocked	--	--	--	--	0.3	0.3
All forest-type groups	726.3	-139.4	-9.3	--	0.3	577.9

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-23.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group, West Virginia, 2008 to 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	-0.1	--	--	-0.1	-0.2
Loblolly pine	--	--	--	4.1	4.1
Group subtotal	-0.1	--	--	4.0	3.9
Other yellow pines					
Table Mountain pine	0.2	--	0.0	0.4	0.6
Pitch pine	-0.1	0.0	-0.3	1.1	0.7
Scotch pine	--	--	--	0.0	0.0
Virginia pine	-0.2	-0.1	-0.3	1.8	1.1
Group subtotal	-0.1	-0.1	-0.6	3.2	2.4
Eastern white and red pines					
Red pine	--	--	--	0.0	0.0
Eastern white pine	0.6	0.3	0.5	5.6	7.0
Group subtotal	0.6	0.3	0.5	5.6	6.9
Spruce and balsam fir					
Balsam fir	--	--	0.0	--	0.0
Red spruce	2.8	0.4	0.0	0.2	3.4
Group subtotal	2.8	0.4	0.0	0.2	3.4
Eastern hemlock					
Eastern hemlock	0.7	0.0	0.2	5.1	6.0
Group subtotal	0.7	0.0	0.2	5.1	6.0
Other eastern softwoods					
Atlantic white-cedar	--	0.0	--	--	0.0
Eastern redcedar	--	0.0	0.0	1.9	1.9
Norway spruce	--	--	--	0.2	0.2
Group subtotal	--	0.0	0.0	2.1	2.0
All softwoods	3.9	0.5	0.1	20.2	24.7

(Table 23 continued on next page)

(Table 23 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	1.1	-0.2	-0.3	43.1	43.7
Swamp white oak	--	--	--	0.1	0.1
Chinkapin oak	--	0.0	--	0.4	0.4
Group subtotal	1.1	-0.2	-0.3	43.5	44.2
Select red oaks					
Northern red oak	6.1	0.8	-1.0	41.0	47.0
Group subtotal	6.1	0.8	-1.0	41.0	47.0
Other white oaks					
Chestnut oak	3.2	0.7	0.5	43.7	48.1
Post oak	--	0.0	--	-0.6	-0.6
Group subtotal	3.2	0.8	0.5	43.1	47.5
Other red oaks					
Scarlet oak	-0.8	0.3	-0.3	10.5	9.7
Southern red oak	--	--	--	0.3	0.3
Shingle oak	--	--	0.0	0.1	0.1
Blackjack oak	--	--	--	0.0	0.0
Black oak	0.4	0.5	0.4	12.3	13.6
Group subtotal	-0.4	0.8	0.1	23.2	23.7
Hickory					
Hickory spp.	--	--	--	0.0	0.0
Bitternut hickory	0.1	0.3	0.2	5.7	6.2
Pignut hickory	0.4	0.3	0.2	15.0	15.9
Shellbark hickory	--	--	--	0.1	0.1
Shagbark hickory	0.1	0.1	0.2	7.5	8.0
Mockernut hickory	0.3	0.2	0.1	9.1	9.7
Group subtotal	0.9	0.8	0.8	37.3	39.9
Yellow birch					
Yellow birch	0.8	0.2	0.0	1.7	2.8
Group subtotal	0.8	0.2	0.0	1.7	2.8

(Table 23 continued on next page)

(Table 23 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hard maple					
Black maple	--	0.0	--	0.3	0.3
Sugar maple	3.5	0.3	1.0	49.5	54.2
Norway maple	--	--	--	0.1	0.1
Group subtotal	3.5	0.3	1.0	49.9	54.6
Soft maple					
Red maple	6.5	0.5	1.4	56.1	64.5
Silver maple	--	0.1	0.0	4.2	4.4
Group subtotal	6.5	0.6	1.4	60.4	68.9
Beech					
American beech	-5.4	0.2	-1.7	5.4	-1.5
Group subtotal	-5.4	0.2	-1.7	5.4	-1.5
Sweetgum					
Sweetgum	--	0.0	--	0.0	0.0
Group subtotal	--	0.0	--	0.0	0.0
Tupelo and blackgum					
Blackgum	0.5	0.0	-0.3	4.5	4.7
Group subtotal	0.5	0.0	-0.3	4.5	4.7
Ash					
White ash	1.1	0.4	0.4	12.8	14.8
Black ash	--	--	--	0.0	0.0
Green ash	--	--	--	0.4	0.4
Group subtotal	1.1	0.4	0.4	13.2	15.2
Cottonwood and aspen					
Bigtooth aspen	0.2	0.0	--	2.6	2.9
Quaking aspen	--	--	--	0.1	0.1
Group subtotal	0.2	0.0	--	2.8	3.0
Basswood					
American basswood	1.4	0.2	0.4	5.8	7.7
White basswood	--	--	--	0.3	0.3
Group subtotal	1.4	0.2	0.4	6.1	8.0

(Table 23 continued on next page)

(Table 23 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Yellow-poplar					
Yellow-poplar	0.0	1.1	0.3	123.2	124.6
Group subtotal	0.0	1.1	0.3	123.2	124.6
Black walnut					
Black walnut	--	0.0	0.1	2.7	2.9
Group subtotal	--	0.0	0.1	2.7	2.9
Other eastern soft hardwoods					
Boxelder	--	0.1	-0.1	2.1	2.0
River birch	--	0.0	0.2	0.5	0.6
Northern catalpa	--	--	--	0.0	0.0
Sugarberry	--	--	--	0.0	0.0
Hackberry	--	--	--	1.5	1.5
Butternut	--	--	--	0.3	0.3
Magnolia spp.	--	--	--	0.0	0.0
Cucumbertree	-0.4	0.1	-0.2	4.1	3.6
Mountain or Fraser magnolia	0.1	0.0	-0.1	0.3	0.3
Umbrella magnolia	--	--	--	0.0	0.0
Paulownia, empress-tree	--	--	--	2.2	2.2
American sycamore	--	0.5	0.6	17.0	18.2
Black cherry	3.9	0.2	0.2	31.7	36.0
Black willow	--	0.0	--	0.1	0.1
Sassafras	0.0	0.0	0.0	-0.2	-0.2
Elm spp.	--	--	--	0.0	0.0
American elm	--	0.0	0.2	-1.0	-0.7
Slippery elm	0.0	0.0	0.0	-0.7	-0.7
Group subtotal	3.7	0.9	0.8	57.9	63.4

(Table 23 continued on next page)

(Table 23 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern hard hardwoods					
Sweet birch	1.0	0.1	-0.7	4.8	5.2
Catalpa spp.	--	--	--	0.2	0.2
Flowering dogwood	0.0	0.0	0.0	-0.2	-0.2
Common persimmon	--	--	--	0.1	0.1
Honeylocust	--	--	--	0.6	0.6
American holly	--	--	--	0.0	0.0
White mulberry	--	--	--	0.0	0.0
Red mulberry	--	--	--	0.0	0.0
Black locust	-0.3	-0.5	-0.3	-8.2	-9.2
Group subtotal	0.7	-0.4	-1.0	-2.6	-3.2

(Table 23 continued on next page)

(Table 23 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Eastern noncommercial hardwoods					
Striped maple	0.1	0.0	--	0.0	0.0
Mountain maple	0.0	--	--	--	0.0
Yellow buckeye	--	0.0	0.0	1.6	1.6
Ailanthus	-0.2	0.1	-0.6	1.4	0.8
Mimosa, silktree	--	--	--	0.2	0.2
Serviceberry spp.	0.1	--	0.0	-0.1	0.0
Common serviceberry	--	--	--	0.0	0.0
Pawpaw	--	--	--	0.0	0.0
American hornbeam, musclewood	0.0	0.0	--	0.3	0.3
American chestnut	0.0	--	--	0.0	0.0
Eastern redbud	0.0	0.0	0.0	0.0	0.0
Hawthorn spp.	0.0	--	0.0	0.3	0.3
Osage-orange	--	--	--	0.1	0.1
Apple spp.	--	--	0.0	0.1	0.0
Eastern hophornbeam	-0.1	--	-0.1	0.1	-0.1
Sourwood	0.1	0.0	0.1	3.4	3.5
Cherry and plum spp.	-0.1	--	--	0.1	0.0
Pin cherry	-0.2	--	--	0.5	0.3
Chokecherry	--	--	--	0.1	0.1
Sweet cherry, domesticated	--	--	0.0	0.5	0.5
Willow spp.	--	--	--	0.1	0.1
Mountain-ash spp.	--	--	--	-0.2	-0.2
American mountain-ash	0.0	--	--	--	0.0
Unknown dead hardwood	--	--	--	-0.1	-0.1
Group subtotal	-0.3	0.1	-0.6	8.4	7.6
All hardwoods	23.8	6.7	1.0	521.6	553.2
All species groups	27.7	7.2	1.2	541.8	577.9

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table WV-23a.—Average annual net growth of live trees (at least 5 inches d.b.h./d.r.c.), in million cubic feet, on forest land by species group, species, and ownership group using the accounting method (O’Connell et al. 2014), West Virginia, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	-0.1	--	--	-0.1	-0.2
Loblolly pine	--	--	--	4.1	4.1
Group subtotal	-0.1	--	--	4.0	3.9
Other yellow pines					
Table Mountain pine	0.2	--	0.0	0.4	0.6
Pitch pine	-0.1	0.0	-0.3	1.1	0.7
Scotch pine	--	--	--	0.0	0.0
Virginia pine	-0.2	-1.5	1.1	1.8	1.1
Group subtotal	-0.1	-1.6	0.8	3.2	2.4
Eastern white and red pines					
Red pine	--	--	--	0.0	0.0
Eastern white pine	0.6	-1.4	2.2	5.6	7.0
Group subtotal	0.6	-1.4	2.2	5.6	6.9
Spruce and balsam fir					
Balsam fir	--	--	0.0	--	0.0
Red spruce	2.8	0.4	0.0	0.2	3.4
Group subtotal	2.8	0.4	0.0	0.2	3.4
Eastern hemlock					
Eastern hemlock	0.7	0.0	0.2	5.1	6.0
Group subtotal	0.7	0.0	0.2	5.1	6.0
Other eastern softwoods					
Atlantic white-cedar	--	0.0	--	--	0.0
Eastern redcedar	--	0.0	0.0	1.9	1.9
Norway spruce	--	--	--	0.2	0.2
Group subtotal	--	0.0	0.0	2.1	2.0
All softwoods	3.9	-2.6	3.3	20.2	24.7

(Table 23a continued on next page)

(Table 23a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	1.1	1.3	-2.1	43.4	43.7
Swamp white oak	--	--	--	0.1	0.1
Chinkapin oak	--	0.0	--	0.4	0.4
Group subtotal	1.1	1.3	-2.1	43.8	44.2
Select red oaks					
Northern red oak	6.3	1.2	0.8	38.7	47.0
Group subtotal	6.3	1.2	0.8	38.7	47.0
Other white oaks					
Chestnut oak	3.9	0.7	2.6	40.8	48.1
Post oak	--	0.0	--	-0.6	-0.6
Group subtotal	3.9	0.8	2.6	40.2	47.5
Other red oaks					
Scarlet oak	-0.8	1.4	0.6	8.5	9.7
Southern red oak	--	--	--	0.3	0.3
Shingle oak	--	--	0.0	0.1	0.1
Blackjack oak	--	--	--	0.0	0.0
Black oak	0.4	2.8	-0.7	11.1	13.6
Group subtotal	-0.4	4.3	-0.1	19.9	23.7
Hickory					
Hickory spp.	--	--	--	0.0	0.0
Bitternut hickory	0.1	0.3	0.4	5.4	6.2
Pignut hickory	2.4	0.4	0.2	12.9	15.9
Shellbark hickory	--	--	--	0.1	0.1
Shagbark hickory	0.1	0.2	0.1	7.6	8.0
Mockernut hickory	0.3	0.3	0.1	9.0	9.7
Group subtotal	2.9	1.1	0.8	35.1	39.9
Yellow birch					
Yellow birch	0.8	0.2	0.0	1.7	2.8
Group subtotal	0.8	0.2	0.0	1.7	2.8

(Table 23a continued on next page)

(Table 23a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hard maple					
Black maple	--	0.0	--	0.3	0.3
Sugar maple	6.0	0.4	1.1	46.7	54.2
Norway maple	--	--	--	0.1	0.1
Group subtotal	6.0	0.4	1.1	47.1	54.6
Soft maple					
Red maple	6.8	0.4	2.9	54.4	64.5
Silver maple	--	0.1	-1.2	5.5	4.4
Group subtotal	6.8	0.4	1.7	60.0	68.9
Beech					
American beech	-5.3	0.4	-1.7	5.1	-1.5
Group subtotal	-5.3	0.4	-1.7	5.1	-1.5
Sweetgum					
Sweetgum	--	0.0	--	0.0	0.0
Group subtotal	--	0.0	--	0.0	0.0
Tupelo and blackgum					
Blackgum	0.5	0.3	-0.3	4.2	4.7
Group subtotal	0.5	0.3	-0.3	4.2	4.7
Ash					
White ash	1.1	0.3	1.4	12.1	14.8
Black ash	--	--	--	0.0	0.0
Green ash	--	--	--	0.4	0.4
Group subtotal	1.1	0.3	1.4	12.5	15.2
Cottonwood and aspen					
Bigtooth aspen	0.2	0.0	--	2.6	2.9
Quaking aspen	--	--	--	0.1	0.1
Group subtotal	0.2	0.0	--	2.8	3.0
Basswood					
American basswood	1.4	0.2	0.6	5.5	7.7
White basswood	--	--	--	0.3	0.3
Group subtotal	1.4	0.2	0.6	5.8	8.0

(Table 23a continued on next page)

(Table 23a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Yellow-poplar					
Yellow-poplar	0.0	2.7	5.4	116.4	124.6
Group subtotal	0.0	2.7	5.4	116.4	124.6
Black walnut					
Black walnut	--	0.0	0.1	2.7	2.9
Group subtotal	--	0.0	0.1	2.7	2.9
Other eastern soft hardwoods					
Boxelder	--	0.1	-0.1	2.1	2.0
River birch	--	0.0	0.2	0.5	0.6
Northern catalpa	--	--	--	0.0	0.0
Sugarberry	--	--	--	0.0	0.0
Hackberry	--	--	--	1.5	1.5
Butternut	--	--	--	0.3	0.3
Magnolia spp.	--	--	--	0.0	0.0
Cucumbertree	-0.4	0.1	-0.2	4.1	3.6
Mountain or Fraser magnolia	0.1	0.0	0.3	-0.2	0.3
Umbrella magnolia	--	--	--	0.0	0.0
Paulownia, empress-tree	--	--	--	2.2	2.2
American sycamore	--	0.5	1.0	16.6	18.2
Black cherry	3.9	0.3	0.2	31.6	36.0
Black willow	--	0.0	--	0.1	0.1
Sassafras	0.0	0.0	0.0	-0.2	-0.2
Elm spp.	--	--	--	0.0	0.0
American elm	--	0.0	-0.1	-0.6	-0.7
Slippery elm	0.0	0.0	0.0	-0.7	-0.7
Group subtotal	3.7	1.0	1.2	57.4	63.4

(Table 23a continued on next page)

(Table 23a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Other eastern hard hardwoods					
Sweet birch	1.0	0.1	-0.7	4.8	5.2
Catalpa spp.	--	--	--	0.2	0.2
Flowering dogwood	0.0	0.0	0.0	-0.2	-0.2
Common persimmon	--	--	--	0.1	0.1
Honeylocust	--	--	--	0.6	0.6
American holly	--	--	--	0.0	0.0
White mulberry	--	--	--	0.0	0.0
Red mulberry	--	--	--	0.0	0.0
Black locust	-0.3	-0.5	-0.3	-8.2	-9.2
Group subtotal	0.7	-0.4	-1.0	-2.6	-3.2

(Table 23a continued on next page)

(Table 23a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Eastern noncommercial hardwoods					
Striped maple	0.1	0.0	--	0.0	0.0
Mountain maple	0.0	--	--	--	0.0
Yellow buckeye	--	0.0	0.0	1.6	1.6
Ailanthus	-0.2	0.1	-0.6	1.4	0.8
Mimosa, silktree	--	--	--	0.2	0.2
Serviceberry spp.	0.1	--	0.0	-0.1	0.0
Common serviceberry	--	--	--	0.0	0.0
Pawpaw	--	--	--	0.0	0.0
American hornbeam, musclewood	0.0	0.0	--	0.3	0.3
American chestnut	0.0	--	--	0.0	0.0
Eastern redbud	0.0	0.0	0.0	0.0	0.0
Hawthorn spp.	0.0	--	0.0	0.3	0.3
Osage-orange	--	--	--	0.1	0.1
Apple spp.	--	--	0.0	0.1	0.0
Eastern hophornbeam	-0.1	--	-0.1	0.1	-0.1
Sourwood	0.1	0.1	0.7	2.6	3.5
Cherry and plum spp.	-0.1	--	--	0.1	0.0
Pin cherry	-0.2	--	--	0.5	0.3
Chokecherry	--	--	--	0.1	0.1
Sweet cherry, domesticated	--	--	0.0	0.5	0.5
Willow spp.	--	--	--	0.1	0.1
Mountain-ash spp.	--	--	--	-0.2	-0.2
American mountain-ash	0.0	--	--	--	0.0
Unknown dead hardwood	--	--	--	-0.1	-0.1
Group subtotal	-0.3	0.3	0.0	7.6	7.6
All hardwoods	29.6	14.4	10.8	498.4	553.2
All species groups	33.6	11.8	14.0	518.6	577.9

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-24.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, West Virginia, 2008 to 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	-0.1	--	--	0.0	-0.1
Loblolly pine	--	--	--	3.5	3.5
Group subtotal	-0.1	--	--	3.6	3.5
Other yellow pines					
Table Mountain pine	0.2	--	0.0	1.2	1.4
Pitch pine	0.3	0.0	-0.3	1.4	1.4
Scotch pine	--	--	--	0.0	0.0
Virginia pine	0.0	-0.1	-0.3	1.0	0.6
Group subtotal	0.4	-0.1	-0.5	3.7	3.4
Eastern white and red pines					
Red pine	--	--	--	0.0	0.0
Eastern white pine	0.5	0.2	0.3	4.7	5.7
Group subtotal	0.5	0.2	0.3	4.7	5.7
Spruce and balsam fir					
Red spruce	2.1	--	--	0.2	2.3
Group subtotal	2.1	--	--	0.2	2.3
Eastern hemlock					
Eastern hemlock	0.7	--	0.3	4.7	5.6
Group subtotal	0.7	--	0.3	4.7	5.6
Other eastern softwoods					
Eastern redcedar	--	--	0.0	1.2	1.2
Norway spruce	--	--	--	0.2	0.2
Group subtotal	--	--	0.0	1.3	1.3
All softwoods	3.5	0.1	0.1	18.2	21.9

(Table 24 continued on next page)

(Table 24 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	1.2	-0.4	0.6	40.1	41.6
Swamp white oak	--	--	--	0.1	0.1
Chinkapin oak	--	--	--	0.3	0.3
Group subtotal	1.2	-0.4	0.6	40.5	42.0
Select red oaks					
Northern red oak	4.7	-0.4	-0.2	35.2	39.3
Group subtotal	4.7	-0.4	-0.2	35.2	39.3
Other white oaks					
Chestnut oak	3.3	0.4	0.5	41.3	45.6
Post oak	--	--	--	0.2	0.2
Group subtotal	3.3	0.4	0.5	41.5	45.8
Other red oaks					
Scarlet oak	0.2	0.2	0.5	9.7	10.7
Southern red oak	--	--	--	0.2	0.2
Shingle oak	--	--	--	0.1	0.1
Blackjack oak	--	--	--	0.0	0.0
Black oak	0.2	0.3	0.4	12.0	13.0
Group subtotal	0.5	0.5	0.9	22.1	24.0
Hickory					
Bitternut hickory	0.1	0.2	0.2	4.4	4.8
Pignut hickory	0.5	0.1	0.2	12.6	13.4
Shellbark hickory	--	--	--	0.1	0.1
Shagbark hickory	0.1	0.1	0.2	6.6	7.0
Mockernut hickory	0.2	0.1	0.5	8.5	9.4
Group subtotal	0.9	0.5	1.0	32.2	34.7
Yellow birch					
Yellow birch	0.7	--	0.0	1.7	2.4
Group subtotal	0.7	--	0.0	1.7	2.4
Hard maple					
Black maple	--	0.0	--	0.3	0.3
Sugar maple	2.9	0.3	0.7	41.1	44.9
Group subtotal	2.9	0.3	0.7	41.3	45.2
Soft maple					
Red maple	5.4	0.2	1.1	51.6	58.3
Silver maple	--	--	--	1.4	1.4
Group subtotal	5.4	0.2	1.1	53.0	59.7

(Table 24 continued on next page)

(Table 24 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Eastern hardwood species groups					
Beech					
American beech	-0.4	0.2	0.2	12.5	12.4
Group subtotal	-0.4	0.2	0.2	12.5	12.4
Sweetgum					
Sweetgum	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Tupelo and blackgum					
Blackgum	0.7	0.0	0.1	4.4	5.2
Group subtotal	0.7	0.0	0.1	4.4	5.2
Ash					
White ash	0.8	0.2	0.3	12.2	13.5
Black ash	--	--	--	0.0	0.0
Green ash	--	--	--	0.3	0.3
Group subtotal	0.8	0.2	0.3	12.6	13.9
Cottonwood and aspen					
Bigtooth aspen	0.0	0.0	--	2.2	2.2
Quaking aspen	--	--	--	0.1	0.1
Group subtotal	0.0	0.0	--	2.3	2.3
Basswood					
American basswood	1.3	0.0	0.3	7.0	8.6
White basswood	--	--	--	0.3	0.3
Group subtotal	1.3	0.0	0.3	7.3	8.8
Yellow-poplar					
Yellow-poplar	-0.1	-0.6	0.5	110.3	110.1
Group subtotal	-0.1	-0.6	0.5	110.3	110.1
Black walnut					
Black walnut	--	0.0	0.1	1.9	2.0
Group subtotal	--	0.0	0.1	1.9	2.0

(Table 24 continued on next page)

(Table 24 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Eastern hardwood species groups					
Other eastern soft hardwoods					
Boxelder	--	0.0	0.0	0.1	0.2
River birch	--	--	0.1	0.1	0.3
Sugarberry	--	--	--	0.0	0.0
Hackberry	--	--	--	0.7	0.7
Butternut	--	--	--	0.2	0.2
Magnolia spp.	--	--	--	0.0	0.0
Cucumbertree	0.2	0.0	-0.2	4.0	4.0
Mountain or Fraser magnolia	0.2	--	-0.1	0.4	0.4
Umbrella magnolia	--	--	--	0.0	0.0
Paulownia, empress-tree	--	--	--	1.1	1.1
American sycamore	--	0.3	0.5	14.3	15.1
Black cherry	2.9	--	-0.1	24.6	27.4
Black willow	--	--	--	0.1	0.1
Sassafras	0.1	0.0	0.0	0.7	0.8
American elm	--	0.0	0.1	-0.4	-0.3
Slippery elm	0.0	0.0	0.0	-0.6	-0.5
Group subtotal	3.4	0.4	0.4	45.4	49.5
Other eastern hard hardwoods					
Sweet birch	0.8	0.0	-0.6	4.7	4.9
Catalpa spp.	--	--	--	0.1	0.1
Flowering dogwood	0.0	0.0	--	-0.1	-0.2
Common persimmon	--	--	--	0.1	0.1
Honeylocust	--	--	--	0.3	0.3
American holly	--	--	--	0.0	0.0
White mulberry	--	--	--	0.0	0.0
Red mulberry	--	--	--	0.0	0.0
Black locust	-0.4	--	-0.2	-5.1	-5.8
Group subtotal	0.4	0.0	-0.9	-0.1	-0.5
All hardwoods	25.5	1.5	5.7	464.0	496.8
All species groups	29.0	1.6	5.8	482.2	518.7

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table WV-24a.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group using the accounting method (O’Connell et al. 2014), West Virginia, 2008 to 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	-0.1	--	--	0.0	-0.1
Loblolly pine	--	--	--	3.5	3.5
Group subtotal	-0.1	--	--	3.6	3.5
Other yellow pines					
Table Mountain pine	0.2	--	0.0	1.2	1.4
Pitch pine	0.3	0.0	-0.3	1.4	1.4
Scotch pine	--	--	--	0.0	0.0
Virginia pine	0.0	-1.5	1.0	1.0	0.6
Group subtotal	0.4	-1.5	0.8	3.7	3.4
Eastern white and red pines					
Red pine	--	--	--	0.0	0.0
Eastern white pine	0.5	-1.3	1.8	4.7	5.7
Group subtotal	0.5	-1.3	1.8	4.7	5.7
Spruce and balsam fir					
Red spruce	2.1	--	--	0.2	2.3
Group subtotal	2.1	--	--	0.2	2.3
Eastern hemlock					
Eastern hemlock	0.7	--	0.3	4.7	5.6
Group subtotal	0.7	--	0.3	4.7	5.6
Other eastern softwoods					
Eastern redcedar	--	--	0.0	1.2	1.2
Norway spruce	--	--	--	0.2	0.2
Group subtotal	--	--	0.0	1.4	1.3
All softwoods	3.5	-2.8	2.9	18.2	21.9

(Table 24a continued on next page)

(Table 24a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	1.2	0.1	-1.0	41.2	41.6
Swamp white oak	--	--	--	0.1	0.1
Chinkapin oak	--	--	--	0.3	0.3
Group subtotal	1.2	0.1	-1.0	41.6	42.0
Select red oaks					
Northern red oak	4.9	-0.1	1.4	33.1	39.3
Group subtotal	4.9	-0.1	1.4	33.1	39.3
Other white oaks					
Chestnut oak	3.8	0.4	2.4	39.0	45.6
Post oak	--	--	--	0.2	0.2
Group subtotal	3.8	0.4	2.4	39.2	45.8
Other red oaks					
Scarlet oak	0.2	-0.3	1.2	9.6	10.7
Southern red oak	--	--	--	0.2	0.2
Shingle oak	--	--	--	0.1	0.1
Blackjack oak	--	--	--	0.0	0.0
Black oak	0.2	1.8	-0.5	11.4	13.0
Group subtotal	0.5	1.5	0.7	21.3	24.0
Hickory					
Bitternut hickory	0.1	0.2	0.4	4.2	4.8
Pignut hickory	2.0	0.2	0.2	11.1	13.4
Shellbark hickory	--	--	--	0.1	0.1
Shagbark hickory	0.1	0.1	0.1	6.6	7.0
Mockernut hickory	0.2	0.2	0.4	8.5	9.4
Group subtotal	2.4	0.7	1.1	30.5	34.7
Yellow birch					
Yellow birch	0.7	--	0.0	1.7	2.4
Group subtotal	0.7	--	0.0	1.7	2.4
Hard maple					
Black maple	--	0.0	--	0.3	0.3
Sugar maple	5.1	0.3	0.9	38.5	44.9
Group subtotal	5.1	0.3	0.9	38.8	45.2
Soft maple					
Red maple	5.7	0.1	2.3	50.2	58.3
Silver maple	--	--	--	1.4	1.4
Group subtotal	5.7	0.1	2.3	51.6	59.7

(Table 24a continued on next page)

(Table 24a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Eastern hardwood species groups					
Beech					
American beech	-0.3	0.1	0.2	12.4	12.4
Group subtotal	-0.3	0.1	0.2	12.4	12.4
Sweetgum					
Sweetgum	--	--	--	0.0	0.0
Group subtotal	--	--	--	0.0	0.0
Tupelo and blackgum					
Blackgum	0.7	0.0	0.1	4.4	5.2
Group subtotal	0.7	0.0	0.1	4.4	5.2
Ash					
White ash	0.8	0.1	1.1	11.5	13.5
Black ash	--	--	--	0.0	0.0
Green ash	--	--	--	0.3	0.3
Group subtotal	0.8	0.1	1.1	11.9	13.9
Cottonwood and aspen					
Bigtooth aspen	0.0	0.0	--	2.2	2.2
Quaking aspen	--	--	--	0.1	0.1
Group subtotal	0.0	0.0	--	2.3	2.3
Basswood					
American basswood	1.3	0.0	0.5	6.8	8.6
White basswood	--	--	--	0.3	0.3
Group subtotal	1.3	0.0	0.5	7.1	8.8
Yellow-poplar					
Yellow-poplar	-0.1	-0.6	5.2	105.5	110.1
Group subtotal	-0.1	-0.6	5.2	105.5	110.1
Black walnut					
Black walnut	--	0.0	0.1	1.9	2.0
Group subtotal	--	0.0	0.1	1.9	2.0

(Table 24a continued on next page)

(Table 24a continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Eastern hardwood species groups					
Other eastern soft hardwoods					
Boxelder	--	0.0	0.0	0.1	0.2
River birch	--	--	0.1	0.1	0.3
Sugarberry	--	--	--	0.0	0.0
Hackberry	--	--	--	0.7	0.7
Butternut	--	--	--	0.2	0.2
Magnolia spp.	--	--	--	0.0	0.0
Cucumbertree	0.2	0.0	-0.2	4.0	4.0
Mountain or Fraser magnolia	0.2	--	0.3	-0.1	0.4
Umbrella magnolia	--	--	--	0.0	0.0
Paulownia, empress-tree	--	--	--	1.1	1.1
American sycamore	--	0.3	0.9	13.9	15.1
Black cherry	2.9	0.1	-0.1	24.6	27.4
Black willow	--	--	--	0.1	0.1
Sassafras	0.1	0.0	0.0	0.7	0.8
American elm	--	0.0	-0.2	-0.1	-0.3
Slippery elm	0.0	0.0	0.0	-0.5	-0.5
Group subtotal	3.4	0.4	0.9	44.8	49.5
Other eastern hard hardwoods					
Sweet birch	0.8	0.0	-0.6	4.7	4.9
Catalpa spp.	--	--	--	0.1	0.1
Flowering dogwood	0.0	0.0	--	-0.1	-0.2
Common persimmon	--	--	--	0.1	0.1
Honeylocust	--	--	--	0.3	0.3
American holly	--	--	--	0.0	0.0
White mulberry	--	--	--	0.0	0.0
Red mulberry	--	--	--	0.0	0.0
Black locust	-0.4	--	-0.2	-5.1	-5.8
Group subtotal	0.4	0.0	-0.9	-0.1	-0.5
All hardwoods	30.2	3.3	15.3	448.0	496.8
All species groups	33.8	0.5	18.2	466.2	518.7

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Table WV-25.—Average annual mortality of trees (at least 5 inches d.b.h.), in million cubic feet, on forest land by owner class and forest-land status, West Virginia, 2008 to 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
Forest Service							
National forest	22.0	0.2	22.2	6.4	--	6.4	28.6
Other Federal							
National Park Service	--	--	--	0.6	--	0.6	0.6
Fish and Wildlife Service	--	--	--	0.2	--	0.2	0.2
Department of Defense or Energy	1.8	--	1.8	0.3	--	0.3	2.1
Other Federal	2.0	--	2.0	--	--	--	2.0
State and local government							
State	9.6	--	9.6	2.6	--	2.6	12.2
Local (county, municipal, etc.)	0.2	--	0.2	--	--	--	0.2
Private							
Undifferentiated private	216.6	0.6	217.2	--	--	--	217.2
All owners	252.3	0.8	253.0	10.1	--	10.1	263.1

All table cells without observations in the inventory sample are indicated by --.
 Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
 Columns and rows may not add to their totals due to rounding.

Estimates are assigned to owner class and forest-land status as identified in previous inventory when available, else assigned from current inventory.

Table WV-26.—Average annual mortality of trees (at least 5 inches d.b.h.), in million cubic feet, on forest land by forest-type group and stand-size class, West Virginia, 2008 to 2013

Forest-type group	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Non stocked	
White / red / jack pine group	5.6	1.1	--	--	--	6.7
Spruce / fir group	0.0	0.2	--	--	--	0.2
Loblolly / shortleaf pine group	3.3	0.8	--	--	--	4.0
Oak / pine group	4.5	1.4	0.0	--	--	5.9
Oak / hickory group	167.4	20.5	1.2	--	--	189.1
Oak / gum / cypress group	0.0	--	--	--	--	0.0
Elm / ash / cottonwood group	1.8	0.1	--	--	--	1.9
Maple / beech / birch group	46.6	6.1	0.5	--	--	53.2
Aspen / birch group	0.0	0.1	--	--	--	0.1
Other hardwoods group	1.0	0.6	0.2	--	--	1.8
Exotic hardwoods group	--	0.1	--	--	--	0.1
All forest-type groups	230.2	30.9	2.0	--	--	263.1

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to forest-type group and stand-size class as identified in previous inventory when available, else assigned from current inventory.

Table WV-27.—Average annual mortality of trees (at least 5 inches d.b.h.), in million cubic feet, on forest land by species group, species, and ownership group, West Virginia, 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	0.1	--	--	0.1	0.3
Loblolly pine	--	--	--	0.0	0.0
Group subtotal	0.1	0.0	0.0	0.2	0.3
Other yellow pines					
Table Mountain pine	0.0	--	--	0.1	0.1
Pitch pine	0.3	0.0	0.4	1.3	1.9
Scotch pine	--	--	--	0.0	0.0
Virginia pine	0.3	0.2	0.4	7.8	8.6
Group subtotal	0.6	0.2	0.7	9.2	10.7
Eastern white and red pines					
Red pine	--	--	--	0.2	0.2
Eastern white pine	1.1	--	--	3.9	5.0
Group subtotal	1.1	0.0	0.0	4.1	5.2
Spruce and balsam fir					
Red spruce	0.1	--	0.0	0.0	0.2
Group subtotal	0.1	0.0	0.0	0.0	0.2
Eastern hemlock					
Eastern hemlock	1.2	--	0.3	4.9	6.4
Group subtotal	1.2	0.0	0.3	4.9	6.4
Other eastern softwoods					
Eastern redcedar	--	0.1	--	0.1	0.2
Norway spruce	--	--	--	0.2	0.2
Group subtotal	--	0.1	0.0	0.3	0.4
All softwoods	3.1	0.3	1.1	18.7	23.1

(Table 27 continued on next page)

(Table 27 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	0.3	1.0	1.5	15.4	18.1
Swamp white oak	--	--	--	0.0	0.0
Group subtotal	0.3	1.0	1.5	15.4	18.1
Select red oaks					
Northern red oak	1.6	1.1	1.9	17.7	22.4
Group subtotal	1.6	1.1	1.9	17.7	22.4
Other white oaks					
Chestnut oak	1.7	--	1.1	10.1	12.9
Post oak	--	--	--	1.2	1.2
Group subtotal	1.7	0.0	1.1	11.3	14.1
Other red oaks					
Scarlet oak	1.5	0.1	0.3	12.1	14.0
Black oak	0.1	0.1	0.1	18.1	18.4
Group subtotal	1.6	0.2	0.5	30.1	32.4
Hickory					
Bitternut hickory	--	--	--	0.1	0.1
Pignut hickory	0.2	--	0.0	5.2	5.4
Shagbark hickory	--	--	0.0	1.7	1.7
Mockernut hickory	0.0	--	0.4	2.4	2.8
Group subtotal	0.2	0.0	0.5	9.4	10.1
Yellow birch					
Yellow birch	1.8	--	--	2.2	3.9
Group subtotal	1.8	0.0	0.0	2.2	3.9
Hard maple					
Sugar maple	1.5	0.1	0.1	13.2	14.9
Group subtotal	1.5	0.1	0.1	13.2	14.9
Soft maple					
Red maple	1.7	--	0.2	11.3	13.2
Silver maple	--	--	--	0.0	0.0
Group subtotal	1.7	0.0	0.2	11.4	13.3
Beech					
American beech	5.7	--	1.1	9.4	16.2
Group subtotal	5.7	0.0	1.1	9.4	16.2
Sweetgum					
Sweetgum	--	0.0	--	--	0.0
Group subtotal	--	0.0	0.0	0.0	0.0
Tupelo and blackgum					
Blackgum	0.0	--	0.0	0.6	0.6
Group subtotal	0.0	0.0	0.0	0.6	0.6

(Table 27 continued on next page)

(Table 27 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Eastern hardwood species groups					
Ash					
White ash	--	0.1	--	7.6	7.7
Group subtotal	--	0.1	0.0	7.6	7.7
Cottonwood and aspen					
Bigtooth aspen	--	0.1	--	1.0	1.1
Group subtotal	--	0.1	0.0	1.0	1.1
Basswood					
American basswood	0.9	0.1	0.0	6.7	7.8
Group subtotal	0.9	0.1	0.0	6.7	7.8
Yellow-poplar					
Yellow-poplar	3.9	1.3	1.0	14.6	20.8
Group subtotal	3.9	1.3	1.0	14.6	20.8
Black walnut					
Black walnut	--	--	--	3.2	3.2
Group subtotal	--	0.0	0.0	3.2	3.2
Other eastern soft hardwoods					
Boxelder	--	0.0	0.2	0.3	0.5
Hackberry	--	--	--	0.0	0.0
Butternut	--	--	--	0.0	0.0
Magnolia spp.	--	--	--	0.0	0.0
Cucumbertree	0.8	--	0.6	0.8	2.2
Mountain or Fraser magnolia	--	--	0.2	1.3	1.4
Umbrella magnolia	--	--	--	0.0	0.0
Paulownia, empress-tree	--	--	--	0.0	0.0
American sycamore	--	--	0.1	0.3	0.4
Black cherry	0.7	--	0.3	2.7	3.7
Sassafras	0.0	0.0	0.1	3.4	3.6
American elm	--	0.0	--	5.6	5.6
Slippery elm	--	--	--	4.3	4.3
Group subtotal	1.5	0.0	1.5	18.7	21.7
Other eastern hard hardwoods					
Sweet birch	0.9	--	0.9	5.2	6.9
Flowering dogwood	0.0	--	0.0	0.3	0.3
Common persimmon	--	--	--	0.1	0.1
Black locust	0.9	0.5	0.3	15.9	17.6
Group subtotal	1.8	0.5	1.1	21.4	24.9

(Table 27 continued on next page)

(Table 27 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Eastern hardwood species groups					
Eastern noncommercial hardwoods					
Striped maple	0.2	--	--	0.3	0.5
Mountain maple	0.0	--	--	--	0.0
Yellow buckeye	--	--	0.0	0.7	0.7
Ailanthus	0.2	--	0.6	1.0	1.8
Serviceberry spp.	0.1	--	--	0.4	0.5
American hornbeam, musclewood	--	--	--	0.1	0.1
American chestnut	0.0	--	--	0.0	0.0
Eastern redbud	--	0.0	--	0.3	0.3
Hawthorn spp.	--	--	--	0.0	0.0
Apple spp.	--	--	0.0	0.5	0.5
Eastern hophornbeam	0.1	--	0.1	0.3	0.4
Sourwood	--	0.0	0.0	0.7	0.7
Cherry and plum spp.	0.1	--	--	0.1	0.1
Pin cherry	0.6	--	--	0.1	0.7
Sweet cherry, domesticated	--	--	--	0.1	0.1
Mountain-ash spp.	--	--	--	0.2	0.2
Unknown dead hardwood	--	--	--	0.1	0.1
Group subtotal	1.3	0.0	0.7	4.8	6.9
All hardwoods	25.5	4.6	11.3	198.5	240.0
All species groups	28.6	4.9	12.4	217.2	263.1

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table WV-28.—Average annual mortality of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, West Virginia, 2008 to 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	0.1	--	--	0.0	0.1
Loblolly pine	0.0	--	--	0.0	0.0
Group subtotal	0.1	--	--	0.0	0.2
Other yellow pines					
Table Mountain pine	0.0	0.0	0.0	0.0	0.0
Pitch pine	0.3	0.0	0.3	1.1	1.7
Scotch pine	0.0	0.0	0.0	0.0	0.0
Virginia pine	0.1	0.1	0.3	7.0	7.6
Group subtotal	0.4	0.1	0.7	8.1	9.3
Eastern white and red pines					
Red pine	0.0	--	--	0.2	0.2
Eastern white pine	1.0	--	--	3.7	4.6
Group subtotal	1.0	--	--	3.8	4.8
Spruce and balsam fir					
Red spruce	0.0	--	--	0.0	0.1
Group subtotal	0.0	--	--	0.0	0.1
Eastern hemlock					
Eastern hemlock	0.6	--	--	3.7	4.4
Group subtotal	0.6	--	--	3.7	4.4
Other eastern softwoods					
Eastern redcedar	--	--	--	0.0	0.0
Norway spruce	--	--	--	0.2	0.2
Group subtotal	--	--	--	0.2	0.2
All softwoods	2.2	0.1	0.7	15.9	18.9

(Table 28 continued on next page)

(Table 28 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	0.3	0.8	0.1	11.6	12.8
Swamp white oak	0.0	0.0	0.0	0.0	0.0
Group subtotal	0.3	0.8	0.1	11.7	12.8
Select red oaks					
Northern red oak	1.4	1.0	1.6	14.7	18.7
Group subtotal	1.4	1.0	1.6	14.7	18.7
Other white oaks					
Chestnut oak	1.0	--	0.8	8.5	10.3
Post oak	0.0	--	0.0	0.1	0.1
Group subtotal	1.0	--	0.8	8.6	10.4
Other red oaks					
Scarlet oak	1.0	0.1	0.2	10.1	11.4
Black oak	0.1	0.1	0.0	15.2	15.4
Group subtotal	1.2	0.2	0.2	25.2	26.8
Hickory					
Bitternut hickory	0.0	--	0.0	0.1	0.1
Pignut hickory	0.0	--	0.0	4.7	4.7
Shagbark hickory	0.0	--	0.0	1.4	1.4
Mockernut hickory	0.0	--	0.0	2.2	2.2
Group subtotal	0.0	--	0.0	8.3	8.4
Yellow birch					
Yellow birch	1.1	--	--	1.6	2.7
Group subtotal	1.1	--	--	1.6	2.7
Hard maple					
Sugar maple	0.6	--	0.1	10.6	11.3
Group subtotal	0.6	--	0.1	10.6	11.3
Soft maple					
Red maple	0.6	--	0.2	7.3	8.1
Group subtotal	0.6	--	0.2	7.3	8.1
Beech					
American beech	2.1	--	--	5.9	8.0
All Species	2.1	--	--	5.9	8.0
Tupelo and blackgum					
Blackgum	0.0	--	--	0.3	0.3
Group subtotal	0.0	--	--	0.3	0.3

(Table 28 continued on next page)

(Table 28 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Ash					
White ash	--	--	--	4.5	4.5
Group subtotal	--	--	--	4.5	4.5
Cottonwood and aspen					
Bigtooth aspen	--	0.1	--	0.9	1.0
Group subtotal	--	0.1	--	0.9	1.0
Basswood					
American basswood	0.8	--	0.0	5.2	6.1
Group subtotal	0.8	--	0.0	5.2	6.1
Yellow-poplar					
Yellow-poplar	3.5	1.1	0.9	12.9	18.4
Group subtotal	3.5	1.1	0.9	12.9	18.4
Black walnut					
Black walnut	--	--	--	2.5	2.5
Group subtotal	--	--	--	2.5	2.5
Other eastern soft hardwoods					
Boxelder	0.0	0.0	0.0	0.2	0.2
Hackberry	0.0	0.0	0.0	0.0	0.0
Butternut	0.0	0.0	0.0	0.0	0.0
Magnolia spp.	0.0	0.0	0.0	0.0	0.0
Cucumber tree	0.2	0.0	0.5	0.5	1.2
Mountain or Fraser magnolia	0.0	0.0	0.1	1.0	1.1
Umbrella magnolia	0.0	0.0	0.0	0.0	0.0
Paulownia, empress-tree	0.0	0.0	0.0	0.0	0.0
American sycamore	0.0	0.0	0.1	0.0	0.1
Black cherry	0.4	0.0	0.3	1.4	2.0
Sassafras	0.0	0.0	0.1	2.3	2.4
American elm	0.0	0.0	0.0	3.4	3.4
Slippery elm	0.0	0.0	0.0	3.3	3.3
Group subtotal	0.5	0.0	1.1	12.2	13.8
Other eastern hard hardwoods					
Sweet birch	0.7	--	0.8	4.5	5.9
Flowering dogwood	0.0	--	0.0	0.2	0.2
Common persimmon	0.0	--	0.0	0.1	0.1
Black locust	0.6	--	0.2	10.4	11.3
Group subtotal	1.3	--	1.0	15.2	17.5
All hardwoods	14.6	3.2	6.1	147.7	171.6
All species groups	16.8	3.3	6.8	163.6	190.5

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table WV-29.—Average annual removals of live trees (at least 5 inches d.b.h.), in million cubic feet, on forest land by species group, species, and ownership group, West Virginia, 2008 to 2013

Species group\Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Loblolly pine	--	--	--	0.2	0.2
Group subtotal	--	--	--	0.2	0.2
Other yellow pines					
Pitch pine	--	--	--	0.2	0.2
Virginia pine	--	--	--	3.1	3.1
Group subtotal	--	--	--	3.3	3.3
Eastern white and red pines					
Eastern white pine	--	--	--	0.8	0.8
Group subtotal	--	--	--	0.8	0.8
Eastern hemlock					
Eastern hemlock	--	--	0.1	3.2	3.3
Group subtotal	--	--	0.1	3.2	3.3
Other eastern softwoods					
Eastern redcedar	--	--	--	0.2	0.2
Group subtotal	--	--	--	0.2	0.2
All softwoods	--	--	0.1	7.8	7.8

(Table 29 continued on next page)

(Table 29 continued)

Species group\Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	--	--	1.3	21.9	23.2
Group subtotal	--	--	1.3	21.9	23.2
Select red oaks					
Northern red oak	--	--	0.0	16.5	16.5
Group subtotal	--	--	0.0	16.5	16.5
Other white oaks					
Chestnut oak	--	--	--	10.7	10.7
Group subtotal	--	--	--	10.7	10.7
Other red oaks					
Scarlet oak	--	--	--	4.0	4.0
Black oak	--	--	--	19.1	19.1
Group subtotal	--	--	--	23.1	23.1
Hickory					
Bitternut hickory	--	--	--	0.2	0.2
Pignut hickory	--	--	--	4.1	4.1
Shagbark hickory	--	--	--	2.0	2.0
Mockernut hickory	--	--	0.1	1.3	1.5
Group subtotal	--	--	0.1	7.7	7.8
Yellow birch					
Yellow birch	--	--	--	2.1	2.1
Group subtotal	--	--	--	2.1	2.1
Hard maple					
Sugar maple	--	--	--	20.6	20.6
Group subtotal	--	--	--	20.6	20.6
Soft maple					
Red maple	1.8	--	0.2	10.8	12.8
Group subtotal	1.8	--	0.2	10.8	12.8
Beech					
American beech	--	--	0.3	8.0	8.3
Group subtotal	--	--	0.3	8.0	8.3
Sweetgum					
Sweetgum	--	--	--	0.3	0.3
Group subtotal	--	--	--	0.3	0.3
Tupelo and blackgum					
Blackgum	--	--	--	1.8	1.8
Group subtotal	--	--	--	1.8	1.8

(Table 29 continued on next page)

(Table 29 continued)

Species group\Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Ash					
White ash	--	--	--	2.6	2.6
Green ash	--	--	--	0.0	0.0
Group subtotal	--	--	--	2.7	2.7
Cottonwood and aspen					
Bigtooth aspen	--	--	--	1.4	1.4
Group subtotal	--	--	--	1.4	1.4
Basswood					
American basswood	--	--	--	6.7	6.7
Group subtotal	--	--	--	6.7	6.7
Yellow-poplar					
Yellow-poplar	--	--	0.5	58.3	58.8
Group subtotal	--	--	0.5	58.3	58.8
Black walnut					
Black walnut	--	--	--	2.1	2.1
Group subtotal	--	--	--	2.1	2.1
Other eastern soft hardwoods					
Boxelder	--	--	--	0.1	0.1
Hackberry	--	--	--	0.2	0.2
Cucumbertree	--	--	0.1	4.4	4.5
Mountain or Fraser magnolia	--	--	--	0.0	0.0
American sycamore	--	--	--	1.0	1.0
Black cherry	--	--	--	13.1	13.1
Sassafras	--	--	--	2.2	2.2
American elm	--	--	--	0.5	0.5
Slippery elm	--	--	--	0.1	0.1
Group subtotal	--	--	0.1	21.6	21.7
Other eastern hard hardwoods					
Sweet birch	--	--	0.1	5.1	5.1
Catalpa spp.	--	--	--	0.8	0.8
Flowering dogwood	--	--	--	0.0	0.0
Common persimmon	--	--	--	0.0	0.0
Honeylocust	--	--	--	0.1	0.1
Black locust	--	--	0.0	4.1	4.2
Group subtotal	--	--	0.1	10.1	10.2

(Table 29 continued on next page)

(Table 29 continued)

Species group\Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Eastern noncommercial hardwoods					
Striped maple	--	--	--	0.0	0.0
Yellow buckeye	--	--	--	0.1	0.1
Ailanthus	--	--	--	0.4	0.4
Serviceberry spp.	--	--	--	0.0	0.0
Eastern redbud	--	--	--	0.0	0.0
Apple spp.	--	--	--	0.1	0.1
Sourwood	--	--	--	0.4	0.4
Pin cherry	--	--	--	0.0	0.0
Sweet cherry, domesticated	--	--	--	0.0	0.0
Group subtotal	--	--	--	1.2	1.2
All hardwoods	1.8	--	2.7	227.6	232.1
All species groups	1.8	--	2.7	235.4	240.0

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.
Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table WV-30.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, on timberland by species group, species, and ownership group, West Virginia, 2008 to 2013

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Softwood species groups					
Eastern softwood species groups					
Loblolly and shortleaf pines					
Shortleaf pine	0.3	--	--	--	0.3
Loblolly pine	--	--	--	0.2	0.2
Group subtotal	0.3	--	--	0.2	0.5
Other yellow pines					
Table Mountain pine	0.2	--	--	--	0.2
Pitch pine	--	--	--	0.6	0.6
Virginia pine	0.3	--	--	3.3	3.6
Group subtotal	0.4	--	--	3.9	4.4
Eastern white and red pines					
Eastern white pine	--	--	--	0.6	0.6
Group subtotal	--	--	--	0.6	0.6
Eastern hemlock					
Eastern hemlock	--	--	0.1	2.9	3.0
Group subtotal	--	--	0.1	2.9	3.0
Other eastern softwoods					
Eastern redcedar	--	--	--	0.1	0.1
Group subtotal	--	--	--	0.1	0.1
All softwoods	0.7	--	0.1	7.7	8.5

(Table 30 continued on next page)

(Table 30 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Hardwood species groups					
Eastern hardwood species groups					
Select white oaks					
White oak	1.8	--	1.1	22.9	25.9
Group subtotal	1.8	--	1.1	22.9	25.9
Select red oaks					
Northern red oak	--	--	0.0	15.6	15.6
Group subtotal	--	--	0.0	15.6	15.6
Other white oaks					
Chestnut oak	1.5	--	--	11.1	12.7
Group subtotal	1.5	--	--	11.1	12.7
Other red oaks					
Scarlet oak	0.9	--	--	5.7	6.6
Black oak	0.7	--	--	17.9	18.7
Group subtotal	1.6	--	--	23.6	25.3
Hickory					
Bitternut hickory	--	--	--	0.3	0.3
Pignut hickory	--	--	--	4.2	4.2
Shagbark hickory	--	--	--	2.6	2.6
Mockernut hickory	0.4	--	0.1	2.3	2.9
Group subtotal	0.4	--	0.1	9.4	10.0
Yellow birch					
Yellow birch	--	--	--	1.4	1.4
Group subtotal	--	--	--	1.4	1.4
Hard maple					
Sugar maple	3.4	--	--	18.8	22.2
Group subtotal	3.4	--	--	18.8	22.2
Soft maple					
Red maple	1.8	--	0.2	10.0	12.0
Group subtotal	1.8	--	0.2	10.0	12.0
Beech					
American beech	0.9	--	0.3	6.9	8.1
Group subtotal	0.9	--	0.3	6.9	8.1
Sweetgum					
Sweetgum	--	--	--	0.3	0.3
Group subtotal	--	--	--	0.3	0.3
Tupelo and blackgum					
Blackgum	--	--	--	1.6	1.6
Group subtotal	--	--	--	1.6	1.6

(Table 30 continued on next page)

(Table 30 continued)

Species group/Species	Ownership group				All owners
	Forest Service	Other Federal	State and local government	Undifferentiated private	
Ash					
White ash	--	--	--	2.6	2.6
Green ash	--	--	--	0.0	0.0
Group subtotal	--	--	--	2.7	2.7
Cottonwood and aspen					
Bigtooth aspen	--	--	--	1.2	1.2
Group subtotal	--	--	--	1.2	1.2
Basswood					
American basswood	0.7	--	--	6.1	6.8
Group subtotal	0.7	--	--	6.1	6.8
Yellow-poplar					
Yellow-poplar	--	--	0.5	57.2	57.7
Group subtotal	--	--	0.5	57.2	57.7
Black walnut					
Black walnut	--	--	--	1.9	1.9
Group subtotal	--	--	--	1.9	1.9
Other eastern soft hardwoods					
Boxelder	--	--	--	0.1	0.1
Hackberry	--	--	--	0.2	0.2
Cucumbertree	0.0	--	0.1	3.9	4.0
Mountain or Fraser magnolia	--	--	--	0.0	0.0
American sycamore	--	--	--	0.9	0.9
Black cherry	--	--	--	11.2	11.2
Sassafras	--	--	--	2.0	2.0
American elm	--	--	--	0.2	0.2
Slippery elm	--	--	--	0.1	0.1
Group subtotal	0.0	--	0.1	18.6	18.7
Other eastern hard hardwoods					
Sweet birch	0.1	--	0.1	4.4	4.6
Catalpa spp.	--	--	--	0.6	0.6
Common persimmon	--	--	--	0.2	0.2
Honeylocust	--	--	--	0.1	0.1
Black locust	--	--	0.0	3.6	3.6
Group subtotal	0.1	--	0.1	8.8	9.0
All hardwoods	12.4	--	2.4	218.1	232.8
All species groups	13.1	--	2.4	225.8	241.3

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic feet.

Columns and rows may not add to their totals due to rounding.

Estimates are assigned to ownership group as identified in previous inventory when available, else assigned from current inventory.

Table WV-31.—Aboveground dry weight of live trees (at least 1 inch d.b.h./d.r.c.), in thousand dry short tons, (CRM; see Heath et al. 2009) by owner class and forest-land status, West Virginia, 2013

Owner class	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
Forest Service							
National forest	73,605	581	74,186	15,046	--	15,046	89,232
Other national forest	406	--	406	--	--	--	406
Other Federal							
National Park Service	--	--	--	5,261	--	5,261	5,261
Fish and Wildlife Service	--	--	--	802	--	802	802
Department of Defense or Energy	4,924	--	4,924	1,073	--	1,073	5,997
Other Federal	1,913	--	1,913	--	--	--	1,913
State and local government							
State	18,979	--	18,979	3,571	--	3,571	22,550
Local (county, municipal, etc.)	2,349	--	2,349	--	--	--	2,349
Other non-Federal lands	375	--	375	--	--	--	375
Private							
Undifferentiated private	691,077	3,867	694,944	--	--	--	694,944
All owners	793,627	4,448	798,075	25,754	--	25,754	823,829

All table cells without observations in the inventory sample are indicated by --.
 Table value of 0 indicates the aboveground tree biomass rounds to less than 1,000 dry tons.
 Columns and rows may not add to their totals due to rounding.

Table WV-54.—Area of accessible forest land, in thousand acres, by FIA unit, county, and forest-land status, West Virginia, 2013

Inventory unit and county	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
Northeastern							
Braxton	298.1	--	298.1	--	--	--	298.1
Grant	238.0	--	238.0	8.1	--	8.1	246.1
Hampshire	315.6	--	315.6	--	--	--	315.6
Hardy	289.8	2.3	292.0	7.8	--	7.8	299.8
Harrison	166.4	--	166.4	--	--	--	166.4
Lewis	171.6	--	171.6	--	--	--	171.6
Mineral	173.0	--	173.0	--	--	--	173.0
Morgan	113.2	--	113.2	--	--	--	113.2
Pendleton	311.0	7.4	318.4	37.7	--	37.7	356.1
Pocahontas	428.5	--	428.5	56.1	--	56.1	484.6
Preston	292.5	--	292.5	--	--	--	292.5
Randolph	531.3	--	531.3	30.4	--	30.4	561.7
Tucker	162.4	5.6	168.1	50.0	--	50.0	218.0
Upshur	168.1	--	168.1	--	--	--	168.1
Webster	373.0	--	373.0	14.1	--	14.1	387.1
Barbour/Taylor	229.5	--	229.5	--	--	--	229.5
Berkeley/Jefferson	133.0	--	133.0	--	--	--	133.0
Total	4,394.8	15.3	4,410.1	204.1	--	204.1	4,614.2
Southern							
Boone	301.1	--	301.1	--	--	--	301.1
Clay	209.8	--	209.8	--	--	--	209.8
Fayette	330.0	--	330.0	36.6	--	36.6	366.6
Greenbrier	522.3	2.3	524.5	8.8	--	8.8	533.4
Kanawha	449.3	--	449.3	6.0	--	6.0	455.2
Logan	271.0	--	271.0	--	--	--	271.0
McDowell	372.6	--	372.6	--	--	--	372.6
Mercer	185.9	--	185.9	--	--	--	185.9
Mingo	283.8	--	283.8	--	--	--	283.8
Monroe	133.8	--	133.8	--	--	--	133.8
Nicholas	329.0	--	329.0	3.4	--	3.4	332.4
Raleigh	206.5	--	206.5	16.6	--	16.6	223.1
Summers	151.9	--	151.9	6.0	--	6.0	157.9
Wyoming	345.4	--	345.4	--	--	--	345.4
Total	4,092.3	2.3	4,094.6	77.4	--	77.4	4,172.0

(Table 54 continued on next page)

(Table 54 continued)

Inventory unit and county	Unreserved forests			Reserved forests			All forest land
	Timberland	Unproductive	Total	Productive	Unproductive	Total	
Northwestern							
Cabell	119.1	--	119.1	--	--	--	119.1
Calhoun	105.2	--	105.2	--	--	--	105.2
Doddridge	175.6	--	175.6	--	--	--	175.6
Gilmer	183.5	--	183.5	--	--	--	183.5
Jackson	195.1	11.5	206.6	--	--	--	206.6
Lincoln	242.6	--	242.6	--	--	--	242.6
Marion	121.2	--	121.2	--	--	--	121.2
Marshall	180.9	--	180.9	--	--	--	180.9
Mason	188.1	--	188.1	--	--	--	188.1
Monongalia	123.7	--	123.7	--	--	--	123.7
Putnam	177.7	--	177.7	--	--	--	177.7
Ritchie	235.3	13.1	248.4	6.2	--	6.2	254.6
Roane	217.9	7.3	225.2	--	--	--	225.2
Wayne	256.3	--	256.3	6.2	--	6.2	262.5
Wetzel	186.7	4.7	191.4	3.6	--	3.6	194.9
Wirt	115.2	7.3	122.5	--	--	--	122.5
Wood	183.7	13.3	196.9	--	--	--	196.9
Brooke/Hancock/Ohio	123.4	--	123.4	6.2	--	6.2	129.6
Pleasants/Tyler	189.1	--	189.1	--	--	--	189.1
Total	3,320.2	57.1	3,377.3	22.2	--	22.2	3,399.5
All counties	11,807.3	74.7	11,882.0	303.7	--	303.7	12,185.7

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-55.—Area of accessible forest land, in thousand acres, by FIA unit, county, ownership group, and forest-land status, West Virginia, 2013

Inventory unit and county	Forest Service		Other Federal		State and local government		Undifferentiated private		All forest land
	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	Timber-land	Other forest land	
Northeastern									
Braxton	--	--	16.6	--	13.3	--	268.3	--	298.1
Grant	13.4	8.1	--	--	1.8	--	222.8	--	246.1
Hampshire	3.7	--	--	--	15.6	--	296.3	--	315.6
Hardy	44.8	--	--	--	--	7.8	245.0	2.3	299.8
Harrison	--	--	6.4	--	--	--	160.0	--	166.4
Lewis	--	--	25.0	--	7.3	--	139.3	--	171.6
Mineral	--	--	--	--	14.5	--	158.5	--	173.0
Morgan	--	--	--	--	7.8	--	105.4	--	113.2
Pendleton	76.2	45.1	--	--	--	--	234.8	--	356.1
Pocahontas	289.4	41.0	--	--	15.6	15.1	123.5	--	484.6
Preston	5.9	--	--	--	7.8	--	278.8	--	292.5
Randolph	166.2	30.4	--	--	12.4	--	352.7	--	561.7
Tucker	67.3	33.8	--	9.5	--	6.7	95.2	5.6	218.0
Upshur	--	--	--	--	6.4	--	161.7	--	168.1
Webster	58.6	14.1	--	--	--	--	314.4	--	387.1
Barbour/Taylor	--	--	--	--	--	--	229.5	--	229.5
Berkeley/Jefferson	--	--	--	--	28.4	--	104.6	--	133.0
Total	725.4	172.5	47.9	9.5	130.8	29.5	3,490.8	7.9	4,614.2
Southern									
Boone	--	--	--	--	--	--	301.1	--	301.1
Clay	--	--	--	--	11.9	--	197.9	--	209.8
Fayette	--	--	--	36.6	22.4	--	307.6	--	366.6
Greenbrier	99.0	11.1	--	--	9.9	--	413.3	--	533.4
Kanawha	--	--	--	--	6.0	6.0	443.3	--	455.2
Logan	--	--	--	--	2.9	--	268.1	--	271.0
McDowell	--	--	--	--	4.5	--	368.0	--	372.6
Mercer	--	--	--	--	25.3	--	160.6	--	185.9
Mingo	--	--	6.0	--	--	--	277.8	--	283.8
Monroe	19.5	--	--	--	--	--	114.3	--	133.8
Nicholas	20.4	--	--	3.4	--	--	308.6	--	332.4
Raleigh	--	--	--	10.7	--	6.0	206.5	--	223.1
Summers	--	--	11.9	6.0	6.0	--	134.0	--	157.9
Wyoming	--	--	6.0	--	--	--	339.4	--	345.4
Total	138.9	11.1	23.9	56.6	88.9	11.9	3,840.7	--	4,172.0

(Table 55 continued on next page)

(Table 55 continued)

Inventory unit and county	Forest Service		Other Federal		State and local government		Undifferentiated private		All forest land
	Timberland	Other forest land	Timberland	Other forest land	Timberland	Other forest land	Timberland	Other forest land	
Northwestern									
Cabell	--	--	--	--	0.6	--	118.5	--	119.1
Calhoun	--	--	--	--	--	--	105.2	--	105.2
Doddridge	--	--	--	--	--	--	175.6	--	175.6
Gilmer	--	--	7.3	--	--	--	176.2	--	183.5
Jackson	--	--	--	--	--	--	195.1	11.5	206.6
Lincoln	--	--	--	--	--	--	242.6	--	242.6
Marion	--	--	--	--	0.2	--	121.0	--	121.2
Marshall	--	--	--	--	--	--	180.9	--	180.9
Mason	--	--	--	--	24.9	--	163.2	--	188.1
Monongalia	--	--	--	--	16.8	--	106.9	--	123.7
Putnam	--	--	--	--	7.3	--	170.4	--	177.7
Ritchie	--	--	--	--	--	6.2	235.3	13.1	254.6
Roane	--	--	--	--	13.5	--	204.4	7.3	225.2
Wayne	--	--	18.7	6.2	6.2	--	231.4	--	262.5
Wetzel	--	--	--	3.6	9.2	--	177.5	4.7	194.9
Wirt	--	--	--	--	--	--	115.2	7.3	122.5
Wood	--	--	--	--	0.2	--	183.4	13.3	196.9
Brooke/Hancock/Ohio	--	--	--	--	13.8	6.2	109.6	--	129.6
Pleasants/Tyler	--	--	--	--	2.1	--	187.0	--	189.1
Total	--	--	25.9	9.8	95.0	12.4	3,199.3	57.1	3,399.5
All counties	864.2	183.6	97.7	75.9	314.6	53.9	10,530.8	65.0	12,185.7

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-57.—Area of timberland, in thousand acres, by FIA unit, county, and stand-size class, West Virginia, 2013

Inventory unit and county	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
Northeastern						
Braxton	248.2	38.1	9.5	--	2.4	298.1
Grant	131.1	87.6	19.2	--	--	238.0
Hampshire	239.1	69.2	7.2	--	--	315.6
Hardy	206.2	74.5	9.1	--	--	289.8
Harrison	111.9	42.1	5.2	--	7.2	166.4
Lewis	130.0	31.1	10.4	--	--	171.6
Mineral	89.2	74.6	9.1	--	--	173.0
Morgan	78.9	27.0	7.2	--	--	113.2
Pendleton	242.6	59.4	2.8	--	6.2	311.0
Pocahontas	334.7	72.0	21.2	--	0.6	428.5
Preston	205.2	51.0	36.3	--	--	292.5
Randolph	463.4	32.9	35.1	--	--	531.3
Tucker	139.0	22.9	0.6	--	--	162.4
Upshur	136.1	11.6	15.8	--	4.6	168.1
Webster	335.7	33.1	4.2	--	--	373.0
Barbour/Taylor	173.0	31.8	24.7	--	--	229.5
Berkeley/Jefferson	75.5	42.8	14.8	--	--	133.0
Total	3,339.7	801.6	232.5	--	21.0	4,394.8
Southern						
Boone	227.6	45.6	28.0	--	--	301.1
Clay	184.1	14.5	11.3	--	--	209.8
Fayette	235.4	54.8	39.8	--	--	330.0
Greenbrier	334.0	126.1	57.4	--	4.8	522.3
Kanawha	359.2	49.3	40.7	--	--	449.3
Logan	217.5	13.3	40.2	--	--	271.0
McDowell	318.9	31.7	22.0	--	--	372.6
Mercer	144.0	30.6	11.3	--	--	185.9
Mingo	232.8	28.1	22.8	--	--	283.8
Monroe	79.3	39.0	15.5	--	--	133.8
Nicholas	225.9	50.6	52.5	--	--	329.0
Raleigh	165.9	25.4	15.2	--	--	206.5
Summers	127.6	12.5	11.9	--	--	151.9
Wyoming	291.6	41.5	12.4	--	--	345.4
Total	3,143.8	563.0	380.7	--	4.8	4,092.3

(Table 57 continued on next page)

(Table 57 continued)

Inventory unit and county	Stand-size class					All size classes
	Large diameter	Medium diameter	Small diameter	Chaparral	Nonstocked	
Northwestern						
Cabell	76.6	35.0	7.5	--	--	119.1
Calhoun	82.3	22.9	--	--	--	105.2
Doddridge	169.6	2.3	3.6	--	--	175.6
Gilmer	134.9	34.9	13.7	--	--	183.5
Jackson	164.2	20.4	10.5	--	--	195.1
Lincoln	224.7	14.2	3.6	--	--	242.6
Marion	75.1	34.5	11.5	--	--	121.2
Marshall	136.7	21.5	22.7	--	--	180.9
Mason	132.0	46.9	7.6	--	1.6	188.1
Monongalia	105.3	--	18.3	--	--	123.7
Putnam	149.1	20.8	7.8	--	--	177.7
Ritchie	200.8	29.3	5.2	--	--	235.3
Roane	172.5	37.8	7.6	--	--	217.9
Wayne	212.2	33.4	10.8	--	--	256.3
Wetzel	167.2	11.8	--	--	7.6	186.7
Wirt	66.9	41.2	7.1	--	--	115.2
Wood	142.0	12.3	29.4	--	--	183.7
Brooke/Hancock/Ohio	83.6	18.6	21.2	--	--	123.4
Pleasants/Tyler	172.6	14.7	1.8	--	--	189.1
Total	2,668.5	452.5	190.0	--	9.2	3,320.2
All counties	9,152.0	1,817.1	803.2	--	35.0	11,807.3

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-58.—Area of timberland by FIA unit, county, and stocking class, West Virginia, 2013

Inventory unit and county	Stocking class of growing-stock trees					All classes
	Nonstocked	Poorly stocked	Moderately stocked	Fully stocked	Over-stocked	
Northeastern						
Braxton	8.2	65.1	107.0	110.5	7.2	298.1
Grant	0.3	43.4	71.1	120.7	2.5	238.0
Hampshire	8.2	38.5	164.8	104.0	--	315.6
Hardy	2.1	33.3	89.1	162.1	3.1	289.8
Harrison	8.8	19.1	110.6	28.0	--	166.4
Lewis	--	29.1	87.7	54.8	--	171.6
Mineral	3.6	37.7	90.0	39.9	1.8	173.0
Morgan	--	27.0	46.5	39.7	--	113.2
Pendleton	24.7	49.0	81.7	146.3	9.2	311.0
Pocahontas	9.5	41.3	117.4	236.4	24.0	428.5
Preston	7.5	63.4	136.0	83.2	2.5	292.5
Randolph	5.3	67.3	184.8	257.7	16.2	531.3
Tucker	--	10.2	70.0	81.6	0.6	162.4
Upshur	5.4	21.6	57.0	68.4	15.7	168.1
Webster	5.4	47.8	161.8	155.8	2.1	373.0
Barbour/Taylor	9.3	59.4	85.0	69.0	6.9	229.5
Berkeley/Jefferson	0.9	48.4	49.1	30.8	3.9	133.0
Total	99.2	701.6	1,709.5	1,788.9	95.6	4,394.8
Southern						
Boone	2.8	39.7	120.6	115.4	22.6	301.1
Clay	2.2	26.0	97.9	75.1	8.7	209.8
Fayette	8.3	52.6	149.6	107.6	11.8	330.0
Greenbrier	5.7	39.7	250.3	210.5	16.1	522.3
Kanawha	4.1	95.0	198.3	147.4	4.4	449.3
Logan	2.1	75.5	97.1	94.7	1.7	271.0
McDowell	1.9	56.8	163.7	150.1	--	372.6
Mercer	0.1	28.9	56.7	93.1	7.1	185.9
Mingo	--	48.8	164.7	59.4	10.8	283.8
Monroe	2.2	15.8	65.0	50.4	0.4	133.8
Nicholas	0.6	34.5	90.7	180.9	22.2	329.0
Raleigh	--	31.6	97.5	75.2	2.2	206.5
Summers	1.0	20.3	58.6	72.1	--	151.9
Wyoming	1.5	35.8	202.0	103.0	3.0	345.4
Total	32.5	601.0	1,812.9	1,534.7	111.2	4,092.3

(Table 58 continued on next page)

(Table 58 continued)

Inventory unit and county	Stocking class of growing-stock trees					All classes
	Nonstocked	Poorly stocked	Moderately stocked	Fully stocked	Over-stocked	
Northwestern						
Cabell	--	28.8	47.4	34.6	8.4	119.1
Calhoun	--	37.0	37.7	26.9	3.7	105.2
Doddridge	2.3	26.3	75.2	71.8	--	175.6
Gilmer	--	25.8	88.9	67.0	1.8	183.5
Jackson	6.4	17.3	133.3	36.0	2.1	195.1
Lincoln	--	26.9	118.4	89.9	7.3	242.6
Marion	0.5	29.5	75.3	7.1	8.7	121.2
Marshall	9.7	65.3	57.7	47.4	0.8	180.9
Mason	2.8	41.0	100.9	43.3	--	188.1
Monongalia	6.4	35.1	54.6	27.6	--	123.7
Putnam	1.8	37.1	69.0	69.8	--	177.7
Ritchie	5.2	54.8	139.7	30.0	5.6	235.3
Roane	14.9	46.9	119.3	36.7	--	217.9
Wayne	--	10.9	99.5	144.4	1.5	256.3
Wetzel	14.5	77.4	67.6	27.2	--	186.7
Wirt	0.2	30.9	52.0	30.3	1.8	115.2
Wood	10.5	24.6	72.3	67.9	8.4	183.7
Brooke/Hancock/Ohio	6.2	54.0	47.1	16.2	--	123.4
Pleasants/Tyler	0.5	54.7	100.7	33.2	--	189.1
Total	82.0	724.2	1,556.6	907.4	49.9	3,320.2
All counties	213.7	2,026.8	5,079.0	4,231.1	256.7	11,807.3

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the acres round to less than 100 acres.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-59.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber, in million board feet (International ¼-inch Rule), on timberland by FIA unit, county, and major species group, West Virginia, 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northeastern										
Braxton	1.6	3.8	229.4	467.0	701.8	5.3	10.9	840.3	1,667.9	2,524.3
Grant	35.4	4.9	84.5	308.0	432.7	78.1	13.4	258.6	866.4	1,216.5
Hampshire	65.2	4.7	93.3	426.2	589.4	202.8	15.8	307.3	1,523.4	2,049.2
Hardy	49.9	3.8	96.5	453.4	603.5	163.2	15.1	299.3	1,550.6	2,028.2
Harrison	--	--	218.3	154.3	372.5	--	--	839.4	576.5	1,415.9
Lewis	--	3.6	170.4	217.3	391.2	--	16.1	652.4	820.0	1,488.4
Mineral	16.5	2.3	40.6	202.2	261.6	36.4	9.4	133.9	590.4	770.0
Morgan	26.4	--	37.7	99.6	163.7	40.2	--	81.4	353.0	474.6
Pendleton	76.1	12.7	129.8	459.4	678.0	250.0	41.7	463.3	1,729.9	2,484.9
Pocahontas	69.5	126.7	343.2	614.2	1,153.7	299.1	483.0	1,237.8	2,112.0	4,131.8
Preston	--	1.0	298.7	278.3	578.0	--	1.8	1,010.2	1,040.9	2,052.8
Randolph	5.2	63.2	646.1	641.8	1,356.2	22.9	240.2	2,655.9	2,266.5	5,185.5
Tucker	0.2	19.7	239.5	201.3	460.7	--	56.0	966.8	737.2	1,760.0
Upshur	8.3	7.5	194.4	219.6	429.9	37.4	22.5	799.6	846.2	1,705.7
Webster	1.0	6.6	462.8	506.3	976.6	4.0	14.1	1,888.9	1,854.8	3,761.7
Barbour/Taylor	3.7	--	243.8	252.4	499.9	18.4	--	899.8	949.2	1,867.4
Berkeley/Jefferson	11.2	3.3	71.6	106.8	192.9	39.5	4.0	317.4	371.2	732.1
Total	370.3	263.7	3,600.6	5,608.0	9,842.5	1,197.1	943.7	13,652.3	19,856.0	35,649.1
Southern										
Boone	3.1	8.9	277.9	362.4	652.3	10.5	29.3	1,099.1	1,407.9	2,546.9
Clay	--	4.7	186.0	314.9	505.5	--	2.5	720.9	1,186.1	1,909.5
Fayette	3.4	21.0	285.5	348.1	658.0	12.0	61.9	976.5	1,330.5	2,380.9
Greenbrier	45.9	13.5	362.7	726.4	1,148.5	146.0	48.4	1,199.2	2,390.6	3,784.3
Kanawha	30.2	2.0	358.1	561.8	952.2	113.3	--	1,298.7	2,307.9	3,719.9
Logan	2.2	1.1	234.8	307.9	546.0	6.6	4.2	927.3	1,220.7	2,158.8
McDowell	11.0	8.0	302.6	478.8	800.4	43.9	16.8	995.4	1,840.8	2,897.0
Mercer	34.3	27.9	121.5	262.8	446.4	144.3	88.7	380.3	833.8	1,447.0
Mingo	0.7	8.7	260.7	342.9	613.1	1.4	33.6	1,016.2	1,386.4	2,437.6
Monroe	48.7	3.7	31.3	163.6	247.3	193.8	3.9	91.1	422.0	710.8
Nicholas	1.1	17.6	400.7	384.0	803.4	2.8	58.2	1,510.6	1,321.3	2,892.9
Raleigh	23.0	9.2	218.5	232.9	483.6	110.8	18.3	823.7	804.7	1,757.5
Summers	46.4	2.5	68.1	240.3	357.2	177.0	7.7	219.8	885.8	1,290.4
Wyoming	4.6	30.4	397.8	419.4	852.3	17.6	107.2	1,457.4	1,564.0	3,146.2
Total	254.6	159.2	3,506.2	5,146.2	9,066.2	980.1	480.6	12,716.4	18,902.4	33,079.5

(Table 59 continued on next page)

(Table 59 continued)

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northwestern										
Cabell	3.5	0.4	34.2	183.0	221.1	7.8	0.9	120.1	603.0	731.8
Calhoun	7.9	--	71.4	122.9	202.2	31.8	--	244.4	389.9	666.1
Doddridge	2.3	--	189.7	277.9	469.9	10.2	--	770.2	1,093.1	1,873.4
Gilmer	2.8	0.3	108.3	243.6	355.1	7.7	--	337.2	786.2	1,131.0
Jackson	21.9	0.5	59.5	256.7	338.6	86.7	1.4	147.0	937.4	1,172.5
Lincoln	6.2	0.2	118.0	440.7	564.9	21.8	--	353.3	1,750.2	2,125.3
Marion	2.0	1.1	133.7	103.5	240.3	8.4	5.2	529.5	403.1	946.1
Marshall	--	--	171.2	158.1	329.3	--	--	707.4	611.2	1,318.5
Mason	23.3	2.3	93.9	235.4	354.8	80.3	6.1	351.5	860.5	1,298.5
Monongalia	--	1.7	177.8	88.5	268.0	--	5.3	752.0	351.9	1,109.3
Putnam	10.4	0.6	53.8	286.0	350.8	45.3	1.5	168.6	1,095.4	1,310.9
Ritchie	28.3	0.1	163.3	239.4	431.0	99.7	--	523.9	821.4	1,445.0
Roane	11.2	0.1	142.6	241.5	395.3	44.2	--	518.9	756.7	1,319.8
Wayne	16.6	2.9	135.7	432.2	587.5	42.2	12.7	496.5	1,464.6	2,016.0
Wetzel	--	--	153.8	196.2	350.0	--	--	611.8	683.7	1,295.5
Wirt	20.9	--	58.8	105.6	185.3	45.8	--	187.0	336.3	569.1
Wood	26.0	--	86.7	194.9	307.6	87.5	--	287.6	756.7	1,131.8
Brooke/Hancock/Ohio	5.1	--	88.7	82.7	176.5	21.2	--	349.0	298.1	668.4
Pleasants/Tyler	25.2	--	127.4	213.8	366.4	102.9	--	447.5	792.7	1,343.1
Total	213.5	10.1	2,168.5	4,102.6	6,494.8	743.6	33.1	7,903.4	14,792.1	23,472.2
All counties	838.4	433.0	9,275.3	14,856.7	25,403.5	2,920.7	1,457.5	34,272.0	53,550.5	92,200.7

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-59a.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber, in million board feet (Doyle Rule), on timberland by FIA unit, county, and major species group, West Virginia, 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northeastern										
Braxton	1.6	3.8	229.4	467.0	701.8	2.9	5.8	535.6	1,117.1	1,661.5
Grant	35.4	4.9	84.5	308.0	432.7	40.1	7.8	147.9	540.7	736.4
Hampshire	65.2	4.7	93.3	426.2	589.4	111.9	9.0	206.4	954.7	1,282.0
Hardy	49.9	3.8	96.5	453.4	603.5	99.1	11.9	196.2	982.6	1,289.8
Harrison	--	--	218.3	154.3	372.5	--	--	590.4	394.4	984.8
Lewis	--	3.6	170.4	217.3	391.2	--	14.9	449.6	584.8	1,049.3
Mineral	16.5	2.3	40.6	202.2	261.6	15.4	8.0	87.2	401.2	511.8
Morgan	26.4	--	37.7	99.6	163.7	15.0	--	39.8	225.8	280.6
Pendleton	76.1	12.7	129.8	459.4	678.0	164.3	30.5	290.9	1,238.2	1,723.9
Pocahontas	69.5	126.7	343.2	614.2	1,153.7	229.1	333.0	780.8	1,431.1	2,773.9
Preston	--	1.0	298.7	278.3	578.0	--	0.8	614.7	703.4	1,319.0
Randolph	5.2	63.2	646.1	641.8	1,356.2	15.1	168.3	1,777.7	1,455.0	3,416.0
Tucker	0.2	19.7	239.5	201.3	460.7	--	32.2	592.5	495.4	1,120.0
Upshur	8.3	7.5	194.4	219.6	429.9	25.9	13.4	549.3	577.3	1,165.9
Webster	1.0	6.6	462.8	506.3	976.6	1.9	6.8	1,277.8	1,253.2	2,539.7
Barbour/Taylor	3.7	--	243.8	252.4	499.9	14.7	--	607.8	631.5	1,254.0
Berkeley/Jefferson	11.2	3.3	71.6	106.8	192.9	22.1	2.1	277.5	232.1	533.8
Total	370.3	263.7	3,600.6	5,608.0	9,842.5	757.3	644.5	9,022.2	13,218.4	23,642.4
Southern										
Boone	3.1	8.9	277.9	362.4	652.3	5.8	17.3	783.9	958.8	1,765.9
Clay	--	4.7	186.0	314.9	505.5	--	0.9	463.0	789.9	1,253.8
Fayette	3.4	21.0	285.5	348.1	658.0	5.4	42.1	598.0	876.7	1,522.1
Greenbrier	45.9	13.5	362.7	726.4	1,148.5	90.6	38.6	743.7	1,494.8	2,367.8
Kanawha	30.2	2.0	358.1	561.8	952.2	67.2	--	857.5	1,684.2	2,608.9
Logan	2.2	1.1	234.8	307.9	546.0	3.9	2.5	614.4	838.4	1,459.3
McDowell	11.0	8.0	302.6	478.8	800.4	26.6	9.6	620.8	1,249.0	1,906.0
Mercer	34.3	27.9	121.5	262.8	446.4	98.7	57.2	223.6	498.6	878.1
Mingo	0.7	8.7	260.7	342.9	613.1	0.5	27.3	660.6	1,013.5	1,701.9
Monroe	48.7	3.7	31.3	163.6	247.3	141.0	1.3	58.9	232.4	433.7
Nicholas	1.1	17.6	400.7	384.0	803.4	1.3	40.7	987.2	826.7	1,856.0
Raleigh	23.0	9.2	218.5	232.9	483.6	85.4	10.1	579.3	535.6	1,210.5
Summers	46.4	2.5	68.1	240.3	357.2	129.5	4.0	141.5	576.5	851.6
Wyoming	4.6	30.4	397.8	419.4	852.3	8.5	80.4	955.5	1,078.8	2,123.1
Total	254.6	159.2	3,506.2	5,146.2	9,066.2	664.6	332.0	8,288.1	12,654.0	21,938.5

(Table 59a continued on next page)

(Table 59a continued)

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northwestern										
Cabell	3.5	0.4	34.2	183.0	221.1	3.7	0.3	72.4	365.0	441.4
Calhoun	7.9	--	71.4	122.9	202.2	18.4	--	149.9	228.9	397.3
Doddridge	2.3	--	189.7	277.9	469.9	6.1	--	505.7	751.2	1,263.0
Gilmer	2.8	0.3	108.3	243.6	355.1	3.4	--	196.9	465.2	665.4
Jackson	21.9	0.5	59.5	256.7	338.6	54.5	0.7	81.4	597.9	734.5
Lincoln	6.2	0.2	118.0	440.7	564.9	13.2	--	226.2	1,213.8	1,453.2
Marion	2.0	1.1	133.7	103.5	240.3	4.6	3.6	368.8	310.3	687.3
Marshall	--	--	171.2	158.1	329.3	--	--	487.1	404.5	891.6
Mason	23.3	2.3	93.9	235.4	354.8	43.3	2.8	235.3	571.9	853.4
Monongalia	--	1.7	177.8	88.5	268.0	--	2.3	511.6	271.1	785.0
Putnam	10.4	0.6	53.8	286.0	350.8	29.0	0.7	103.1	734.4	867.2
Ritchie	28.3	0.1	163.3	239.4	431.0	53.7	--	305.6	519.6	878.9
Roane	11.2	0.1	142.6	241.5	395.3	26.5	--	325.6	457.3	809.4
Wayne	16.6	2.9	135.7	432.2	587.5	22.6	11.0	324.5	931.1	1,289.2
Wetzel	--	--	153.8	196.2	350.0	--	--	412.9	413.0	825.8
Wirt	20.9	--	58.8	105.6	185.3	25.2	--	114.8	221.9	361.9
Wood	26.0	--	86.7	194.9	307.6	49.3	--	179.3	492.9	721.5
Brooke/Hancock/Ohio	5.1	--	88.7	82.7	176.5	16.3	--	235.7	183.4	435.5
Pleasants/Tyler	25.2	--	127.4	213.8	366.4	70.3	--	280.4	523.9	874.6
Total	213.5	10.1	2,168.5	4,102.6	6,494.8	440.2	21.4	5,117.2	9,657.5	15,236.2
All counties	838.4	433.0	9,275.3	14,856.7	25,403.5	1,862.1	997.9	22,427.4	35,529.8	60,817.2

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-59b.—Net volume of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber, in million board feet (Scribner Rule), on timberland by FIA unit, county, and major species group, West Virginia, 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northeastern										
Braxton	1.6	3.8	229.4	467.0	701.8	4.5	9.1	748.8	1,494.4	2,256.7
Grant	35.4	4.9	84.5	308.0	432.7	64.9	11.4	226.5	768.1	1,071.0
Hampshire	65.2	4.7	93.3	426.2	589.4	170.5	13.4	275.7	1,353.5	1,813.1
Hardy	49.9	3.8	96.5	453.4	603.5	139.3	13.5	267.9	1,378.2	1,798.9
Harrison	--	--	218.3	154.3	372.5	--	--	754.8	516.6	1,271.5
Lewis	--	3.6	170.4	217.3	391.2	--	14.8	585.4	738.1	1,338.3
Mineral	16.5	2.3	40.6	202.2	261.6	29.4	8.5	119.2	525.8	682.9
Morgan	26.4	--	37.7	99.6	163.7	31.8	--	69.5	314.3	415.6
Pendleton	76.1	12.7	129.8	459.4	678.0	216.5	36.7	412.0	1,560.3	2,225.5
Pocahontas	69.5	126.7	343.2	614.2	1,153.7	266.7	421.4	1,101.2	1,891.2	3,680.4
Preston	--	1.0	298.7	278.3	578.0	--	1.5	893.6	933.2	1,828.2
Randolph	5.2	63.2	646.1	641.8	1,356.2	19.9	210.5	2,383.9	2,014.7	4,629.0
Tucker	0.2	19.7	239.5	201.3	460.7	--	47.5	856.4	660.8	1,564.6
Upshur	8.3	7.5	194.4	219.6	429.9	32.6	19.2	717.1	757.8	1,526.8
Webster	1.0	6.6	462.8	506.3	976.6	3.3	11.6	1,695.5	1,661.5	3,371.9
Barbour/Taylor	3.7	--	243.8	252.4	499.9	16.5	--	804.1	848.2	1,668.8
Berkeley/Jefferson	11.2	3.3	71.6	106.8	192.9	33.4	3.3	293.3	329.7	659.7
Total	370.3	263.7	3,600.6	5,608.0	9,842.5	1,029.4	822.5	12,204.7	17,746.4	31,803.0
Southern										
Boone	3.1	8.9	277.9	362.4	652.3	8.9	24.9	993.1	1,261.2	2,288.1
Clay	--	4.7	186.0	314.9	505.5	--	2.0	643.5	1,059.6	1,705.1
Fayette	3.4	21.0	285.5	348.1	658.0	9.8	53.9	862.4	1,187.9	2,114.0
Greenbrier	45.9	13.5	362.7	726.4	1,148.5	125.3	43.3	1,063.8	2,120.0	3,352.4
Kanawha	30.2	2.0	358.1	561.8	952.2	96.8	--	1,163.0	2,089.1	3,348.9
Logan	2.2	1.1	234.8	307.9	546.0	5.6	3.6	830.9	1,097.7	1,937.9
McDowell	11.0	8.0	302.6	478.8	800.4	37.6	14.3	884.1	1,649.4	2,585.4
Mercer	34.3	27.9	121.5	262.8	446.4	126.2	76.5	334.7	734.8	1,272.1
Mingo	0.7	8.7	260.7	342.9	613.1	1.1	30.4	907.0	1,253.2	2,191.7
Monroe	48.7	3.7	31.3	163.6	247.3	170.8	3.0	81.6	367.2	622.6
Nicholas	1.1	17.6	400.7	384.0	803.4	2.3	51.2	1,349.9	1,171.5	2,574.9
Raleigh	23.0	9.2	218.5	232.9	483.6	98.9	15.4	739.8	720.2	1,574.2
Summers	46.4	2.5	68.1	240.3	357.2	156.3	6.4	196.2	791.3	1,150.2
Wyoming	4.6	30.4	397.8	419.4	852.3	14.5	95.2	1,301.4	1,405.3	2,816.4
Total	254.6	159.2	3,506.2	5,146.2	9,066.2	854.2	420.2	11,351.3	16,908.3	29,533.9

(Table 59b continued on next page)

(Table 59b continued)

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northwestern										
Cabell	3.5	0.4	34.2	183.0	221.1	6.5	0.7	106.1	533.1	646.3
Calhoun	7.9	--	71.4	122.9	202.2	27.1	--	216.3	342.9	586.3
Doddridge	2.3	--	189.7	277.9	469.9	8.8	--	689.8	983.6	1,682.2
Gilmer	2.8	0.3	108.3	243.6	355.1	6.3	--	296.3	692.2	994.7
Jackson	21.9	0.5	59.5	256.7	338.6	74.7	1.2	128.2	833.8	1,037.9
Lincoln	6.2	0.2	118.0	440.7	564.9	18.7	--	314.7	1,573.7	1,907.0
Marion	2.0	1.1	133.7	103.5	240.3	7.1	4.6	476.7	367.2	855.5
Marshall	--	--	171.2	158.1	329.3	--	--	636.1	547.9	1,184.0
Mason	23.3	2.3	93.9	235.4	354.8	67.4	5.0	315.2	769.8	1,157.6
Monongalia	--	1.7	177.8	88.5	268.0	--	4.3	674.6	318.1	996.9
Putnam	10.4	0.6	53.8	286.0	350.8	39.2	1.2	149.5	980.0	1,169.9
Ritchie	28.3	0.1	163.3	239.4	431.0	83.7	--	460.5	727.5	1,271.7
Roane	11.2	0.1	142.6	241.5	395.3	37.8	--	461.1	667.5	1,166.4
Wayne	16.6	2.9	135.7	432.2	587.5	35.4	11.6	444.1	1,298.3	1,789.4
Wetzel	--	--	153.8	196.2	350.0	--	--	550.2	604.2	1,154.4
Wirt	20.9	--	58.8	105.6	185.3	38.4	--	165.5	299.3	503.2
Wood	26.0	--	86.7	194.9	307.6	74.1	--	255.5	675.1	1,004.7
Brooke/Hancock/Ohio	5.1	--	88.7	82.7	176.5	19.0	--	313.5	263.8	596.3
Pleasants/Tyler	25.2	--	127.4	213.8	366.4	90.0	--	397.0	706.7	1,193.8
Total	213.5	10.1	2,168.5	4,102.6	6,494.8	634.0	28.6	7,050.9	13,184.7	20,898.2
All counties	838.4	433.0	9,275.3	14,856.7	25,403.5	2,517.6	1,271.3	30,606.9	47,839.3	82,235.1

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-60.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber, in million board feet (International ¼-inch Rule), on timberland by FIA unit, county, and major species group, West Virginia, 2009 to 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northeastern										
Braxton	0.1	0.1	5.8	4.9	10.9	0.3	0.5	30.1	26.9	57.7
Grant	1.5	0.2	2.7	9.0	13.4	5.1	0.6	13.1	36.7	55.4
Hampshire	0.8	0.0	2.2	12.3	15.4	3.9	0.2	11.5	57.9	73.6
Hardy	1.0	0.0	3.4	10.4	14.9	5.0	0.2	14.3	48.9	68.3
Harrison	--	--	6.7	3.1	9.7	--	--	33.6	16.3	49.8
Lewis	--	0.1	5.8	3.3	9.2	--	0.4	28.2	18.7	47.2
Mineral	0.3	0.1	0.9	3.7	5.0	1.3	0.2	4.6	17.1	23.3
Morgan	1.3	--	1.6	3.0	5.8	2.7	--	6.2	13.6	22.5
Pendleton	2.2	-1.9	3.0	6.6	9.9	9.5	-7.9	16.1	36.2	54.0
Pocahontas	0.9	2.0	5.5	8.6	17.1	3.9	10.8	28.5	49.6	92.8
Preston	--	0.1	8.5	5.4	14.0	--	0.3	43.7	30.7	74.7
Randolph	--	1.1	12.4	6.8	20.3	--	3.5	66.1	38.6	108.2
Tucker	--	0.4	9.7	4.7	14.8	--	1.7	48.3	21.7	71.7
Upshur	0.4	0.3	4.6	3.5	8.8	2.6	1.0	28.8	18.9	51.2
Webster	0.0	0.3	7.8	8.3	16.4	0.1	0.5	48.4	52.1	101.2
Barbour/Taylor	0.1	--	7.8	2.8	10.7	0.5	--	35.1	21.4	57.1
Berkeley/Jefferson	-0.5	0.1	3.0	5.0	7.6	-1.4	0.1	13.3	27.0	39.0
Total	8.1	3.0	91.5	101.4	204.0	33.6	12.1	469.8	532.3	1,047.9
Southern										
Boone	0.1	0.3	12.8	6.0	19.1	0.3	1.0	52.7	32.6	86.6
Clay	-0.2	-1.2	4.0	6.8	9.5	-0.7	-6.2	18.3	34.5	45.9
Fayette	0.1	1.1	8.4	8.5	18.1	0.4	3.3	33.4	42.6	79.7
Greenbrier	-0.1	0.1	10.3	9.3	19.7	2.1	0.5	45.7	49.3	97.6
Kanawha	0.7	0.2	8.9	10.2	19.9	1.7	--	35.1	59.0	95.8
Logan	0.1	0.0	6.2	7.9	14.2	0.0	0.1	29.7	42.2	72.0
McDowell	0.1	0.5	5.9	7.6	14.0	0.6	1.0	25.7	39.0	66.3
Mercer	0.5	0.2	1.2	4.3	6.3	3.3	0.7	6.3	24.2	34.5
Mingo	0.1	0.2	5.7	3.5	9.5	0.3	0.8	28.8	16.2	46.2
Monroe	-1.1	0.9	1.5	4.0	5.3	-6.0	0.9	6.5	20.5	21.9
Nicholas	0.1	0.6	10.9	7.3	18.9	0.1	1.9	52.5	39.7	94.2
Raleigh	0.3	0.4	5.3	3.7	9.8	1.5	1.2	24.8	23.1	50.6
Summers	0.8	-0.2	1.1	2.1	3.9	4.6	0.2	5.4	14.5	24.7
Wyoming	0.3	2.6	9.0	5.5	17.4	1.7	9.8	43.0	25.5	80.0
Total	1.6	5.7	91.3	86.9	185.5	10.0	15.1	408.0	463.0	896.2

(Table 60 continued on next page)

(Table 60 continued)

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northwestern										
Cabell	-0.2	0.0	0.9	0.4	1.1	-1.0	--	5.1	1.1	5.2
Calhoun	0.1	--	1.7	1.2	2.9	0.5	--	10.1	8.3	18.9
Doddridge	0.1	--	3.6	4.6	8.3	0.4	--	22.3	25.4	48.1
Gilmer	-0.1	0.0	3.6	4.2	7.7	0.2	--	16.9	16.7	33.9
Jackson	-0.3	0.0	2.5	5.2	7.3	-0.4	0.1	8.2	26.4	34.3
Lincoln	0.0	0.0	1.5	7.1	8.7	0.5	--	6.0	41.2	47.7
Marion	-0.1	0.2	3.9	2.5	6.5	-0.5	1.1	20.7	12.0	33.3
Marshall	--	--	2.7	3.0	5.7	--	--	20.8	16.2	37.0
Mason	-0.2	0.1	1.4	6.1	7.5	0.6	0.4	8.5	27.4	36.9
Monongalia	--	0.1	4.2	2.3	6.5	--	0.5	31.2	14.3	46.1
Putnam	0.0	0.0	1.5	2.1	3.6	0.7	0.0	3.8	9.1	13.5
Ritchie	1.1	0.0	7.0	5.1	13.2	6.1	--	25.7	23.5	55.2
Roane	-0.2	0.0	3.8	6.0	9.6	0.1	--	19.2	24.5	43.8
Wayne	0.5	0.1	0.9	7.0	8.5	1.9	0.3	4.8	45.1	52.1
Wetzel	--	--	3.9	5.2	9.0	--	--	19.0	26.2	45.2
Wirt	1.4	--	1.7	0.7	3.8	2.6	--	6.8	-2.4	7.0
Wood	0.3	--	2.1	4.4	6.9	0.3	--	11.3	25.0	36.7
Brooke/Hancock/Ohio	0.1	--	2.5	2.9	5.6	0.8	--	14.9	17.7	33.5
Pleasants/Tyler	0.2	--	3.7	2.8	6.7	1.3	--	18.5	15.7	35.4
Total	2.9	0.6	52.9	72.8	129.2	14.1	2.4	273.8	373.2	663.5
All counties	12.6	9.2	235.7	261.1	518.7	57.8	29.6	1,151.5	1,368.6	2,607.5

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.
Columns and rows may not add to their totals due to rounding.
County names separated by slash indicates data were combined for those counties listed.

Table WV-60a.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber, in million board feet (Doyle Rule), on timberland by FIA unit, county, and major species group, West Virginia, 2009 to 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northeastern										
Braxton	0.1	0.1	5.8	4.9	10.9	0.2	0.2	17.7	8.2	26.2
Grant	1.5	0.2	2.7	9.0	13.4	2.3	0.3	6.7	22.0	31.4
Hampshire	0.8	0.0	2.2	12.3	15.4	2.1	0.1	6.9	34.9	43.9
Hardy	1.0	0.0	3.4	10.4	14.9	2.7	0.1	8.5	28.1	39.3
Harrison	--	--	6.7	3.1	9.7	--	--	22.5	9.0	31.5
Lewis	--	0.1	5.8	3.3	9.2	--	0.3	17.1	11.1	28.5
Mineral	0.3	0.1	0.9	3.7	5.0	0.5	0.2	2.5	8.7	11.9
Morgan	1.3	--	1.6	3.0	5.8	0.9	--	2.8	8.5	12.2
Pendleton	2.2	-1.9	3.0	6.6	9.9	5.4	-6.8	9.1	23.1	30.7
Pocahontas	0.9	2.0	5.5	8.6	17.1	2.9	6.9	15.9	26.9	52.6
Preston	--	0.1	8.5	5.4	14.0	--	0.1	25.1	19.1	44.3
Randolph	--	1.1	12.4	6.8	20.3	--	1.7	41.0	21.4	64.0
Tucker	--	0.4	9.7	4.7	14.8	--	0.8	27.7	13.3	41.8
Upshur	0.4	0.3	4.6	3.5	8.8	1.7	0.5	17.9	11.1	31.1
Webster	0.0	0.3	7.8	8.3	16.4	0.1	0.3	27.5	26.9	54.7
Barbour/Taylor	0.1	--	7.8	2.8	10.7	0.4	--	20.9	11.8	33.1
Berkeley/Jefferson	-0.5	0.1	3.0	5.0	7.6	-0.5	0.1	8.9	16.4	24.8
Total	8.1	3.0	91.5	101.4	204.0	18.6	5.0	278.5	300.2	602.3
Southern										
Boone	0.1	0.3	12.8	6.0	19.1	0.2	0.6	32.3	18.0	51.1
Clay	-0.2	-1.2	4.0	6.8	9.5	-0.2	-7.1	11.3	20.6	24.6
Fayette	0.1	1.1	8.4	8.5	18.1	0.2	1.9	17.4	22.0	41.6
Greenbrier	-0.1	0.1	10.3	9.3	19.7	1.4	0.2	25.3	26.2	53.0
Kanawha	0.7	0.2	8.9	10.2	19.9	0.2	--	19.3	33.9	53.4
Logan	0.1	0.0	6.2	7.9	14.2	0.0	0.0	17.5	25.7	43.2
McDowell	0.1	0.5	5.9	7.6	14.0	0.3	0.5	9.3	24.8	34.9
Mercer	0.5	0.2	1.2	4.3	6.3	2.2	0.3	3.0	13.8	19.3
Mingo	0.1	0.2	5.7	3.5	9.5	0.1	0.6	16.5	6.7	24.0
Monroe	-1.1	0.9	1.5	4.0	5.3	-8.1	0.3	4.5	10.5	7.2
Nicholas	0.1	0.6	10.9	7.3	18.9	0.1	1.3	31.2	22.3	54.8
Raleigh	0.3	0.4	5.3	3.7	9.8	1.2	0.5	15.1	13.8	30.6
Summers	0.8	-0.2	1.1	2.1	3.9	3.2	0.1	3.3	9.1	15.8
Wyoming	0.3	2.6	9.0	5.5	17.4	0.7	7.7	24.3	11.2	43.9
Total	1.6	5.7	91.3	86.9	185.5	1.4	7.0	230.3	258.6	497.4

(Table 60a continued on next page)

(Table 60a continued)

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northwestern										
Cabell	-0.2	0.0	0.9	0.4	1.1	-0.6	--	2.5	-0.8	1.2
Calhoun	0.1	--	1.7	1.2	2.9	0.3	--	5.4	4.4	10.1
Doddridge	0.1	--	3.6	4.6	8.3	0.2	--	14.1	14.5	28.8
Gilmer	-0.1	0.0	3.6	4.2	7.7	0.1	--	9.3	8.0	17.4
Jackson	-0.3	0.0	2.5	5.2	7.3	-0.2	0.0	4.5	14.4	18.7
Lincoln	0.0	0.0	1.5	7.1	8.7	0.3	--	3.3	25.0	28.6
Marion	-0.1	0.2	3.9	2.5	6.5	-0.2	0.8	15.0	8.8	24.4
Marshall	--	--	2.7	3.0	5.7	--	--	13.8	10.2	24.0
Mason	-0.2	0.1	1.4	6.1	7.5	0.1	0.2	5.2	16.7	22.1
Monongalia	--	0.1	4.2	2.3	6.5	--	0.2	18.2	8.9	27.3
Putnam	0.0	0.0	1.5	2.1	3.6	0.5	0.0	2.2	-5.4	-2.7
Ritchie	1.1	0.0	7.0	5.1	13.2	3.0	--	14.1	11.4	28.5
Roane	-0.2	0.0	3.8	6.0	9.6	0.0	--	10.9	12.3	23.2
Wayne	0.5	0.1	0.9	7.0	8.5	0.8	0.3	1.9	24.0	27.0
Wetzel	--	--	3.9	5.2	9.0	--	--	12.9	14.8	27.7
Wirt	1.4	--	1.7	0.7	3.8	1.1	--	3.6	-8.0	-3.2
Wood	0.3	--	2.1	4.4	6.9	0.0	--	6.4	14.5	20.9
Brooke/Hancock/Ohio	0.1	--	2.5	2.9	5.6	0.6	--	8.5	9.6	18.7
Pleasants/Tyler	0.2	--	3.7	2.8	6.7	1.0	--	10.3	9.3	20.6
Total	2.9	0.6	52.9	72.8	129.2	7.1	1.4	162.1	192.6	363.2
All counties	12.6	9.2	235.7	261.1	518.7	27.1	13.4	670.9	751.4	1,462.9

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-60b.—Average annual net growth of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber, in million board feet (Scribner Rule), on timberland by FIA unit, county, and major species group, West Virginia, 2009 to 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northeastern										
Braxton	0.1	0.1	5.8	4.9	10.9	0.2	0.4	26.4	22.4	49.4
Grant	1.5	0.2	2.7	9.0	13.4	4.1	0.5	11.2	32.3	48.2
Hampshire	0.8	0.0	2.2	12.3	15.4	3.2	0.2	10.1	51.0	64.5
Hardy	1.0	0.0	3.4	10.4	14.9	4.2	0.1	12.6	42.7	59.6
Harrison	--	--	6.7	3.1	9.7	--	--	30.0	14.1	44.1
Lewis	--	0.1	5.8	3.3	9.2	--	0.3	24.9	16.3	41.6
Mineral	0.3	0.1	0.9	3.7	5.0	1.1	0.2	4.0	14.6	19.9
Morgan	1.3	--	1.6	3.0	5.8	2.1	--	5.2	12.0	19.3
Pendleton	2.2	-1.9	3.0	6.6	9.9	8.0	-7.2	14.0	32.2	47.1
Pocahontas	0.9	2.0	5.5	8.6	17.1	3.4	9.3	24.7	42.9	80.4
Preston	--	0.1	8.5	5.4	14.0	--	0.3	38.2	27.2	65.6
Randolph	--	1.1	12.4	6.8	20.3	--	2.9	58.5	34.1	95.5
Tucker	--	0.4	9.7	4.7	14.8	--	1.4	42.3	19.2	62.9
Upshur	0.4	0.3	4.6	3.5	8.8	2.3	0.8	25.4	16.5	45.0
Webster	0.0	0.3	7.8	8.3	16.4	0.1	0.5	42.6	45.2	88.3
Barbour/Taylor	0.1	--	7.8	2.8	10.7	0.5	--	30.9	18.5	49.9
Berkeley/Jefferson	-0.5	0.1	3.0	5.0	7.6	-1.1	0.1	11.9	23.9	34.8
Total	8.1	3.0	91.5	101.4	204.0	28.2	9.8	413.0	465.1	916.1
Southern										
Boone	0.1	0.3	12.8	6.0	19.1	0.2	0.9	46.7	28.2	76.1
Clay	-0.2	-1.2	4.0	6.8	9.5	-0.5	-5.8	16.2	30.3	40.2
Fayette	0.1	1.1	8.4	8.5	18.1	0.3	2.8	28.7	36.7	68.6
Greenbrier	-0.1	0.1	10.3	9.3	19.7	1.8	0.4	39.8	43.0	85.0
Kanawha	0.7	0.2	8.9	10.2	19.9	1.2	--	30.5	52.2	83.9
Logan	0.1	0.0	6.2	7.9	14.2	0.0	0.1	26.1	37.1	63.3
McDowell	0.1	0.5	5.9	7.6	14.0	0.5	0.8	21.4	34.6	57.3
Mercer	0.5	0.2	1.2	4.3	6.3	2.9	0.5	5.3	21.2	29.9
Mingo	0.1	0.2	5.7	3.5	9.5	0.2	0.7	25.2	13.9	40.0
Monroe	-1.1	0.9	1.5	4.0	5.3	-5.8	0.7	5.9	17.6	18.4
Nicholas	0.1	0.6	10.9	7.3	18.9	0.1	1.7	46.1	35.6	83.5
Raleigh	0.3	0.4	5.3	3.7	9.8	1.4	1.0	21.7	20.3	44.4
Summers	0.8	-0.2	1.1	2.1	3.9	4.3	0.2	4.8	12.9	22.1
Wyoming	0.3	2.6	9.0	5.5	17.4	1.4	8.8	37.4	22.3	69.9
Total	1.6	5.7	91.3	86.9	185.5	8.1	12.6	355.8	405.9	782.5

(Table 60b continued on next page)

(Table 60b continued)

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northwestern										
Cabell	-0.2	0.0	0.9	0.4	1.1	-0.9	--	4.4	1.3	4.9
Calhoun	0.1	--	1.7	1.2	2.9	0.4	--	8.7	7.2	16.3
Doddridge	0.1	--	3.6	4.6	8.3	0.3	--	19.8	22.2	42.3
Gilmer	-0.1	0.0	3.6	4.2	7.7	0.2	--	14.6	14.3	29.1
Jackson	-0.3	0.0	2.5	5.2	7.3	-0.3	0.1	7.1	22.8	29.7
Lincoln	0.0	0.0	1.5	7.1	8.7	0.4	--	5.2	36.1	41.7
Marion	-0.1	0.2	3.9	2.5	6.5	-0.4	1.0	18.7	11.1	30.4
Marshall	--	--	2.7	3.0	5.7	--	--	18.6	14.4	33.0
Mason	-0.2	0.1	1.4	6.1	7.5	0.4	0.3	7.5	24.1	32.4
Monongalia	--	0.1	4.2	2.3	6.5	--	0.4	27.3	12.5	40.2
Putnam	0.0	0.0	1.5	2.1	3.6	0.6	0.0	3.3	6.4	10.3
Ritchie	1.1	0.0	7.0	5.1	13.2	5.2	--	22.3	20.0	47.5
Roane	-0.2	0.0	3.8	6.0	9.6	0.1	--	17.2	21.0	38.3
Wayne	0.5	0.1	0.9	7.0	8.5	1.5	0.3	4.0	38.9	44.7
Wetzel	--	--	3.9	5.2	9.0	--	--	17.1	22.9	39.9
Wirt	1.4	--	1.7	0.7	3.8	2.1	--	5.9	-3.1	4.9
Wood	0.3	--	2.1	4.4	6.9	0.2	--	9.9	21.9	32.0
Brooke/Hancock/Ohio	0.1	--	2.5	2.9	5.6	0.8	--	13.0	15.3	29.1
Pleasants/Tyler	0.2	--	3.7	2.8	6.7	1.1	--	16.1	13.7	30.9
Total	2.9	0.6	52.9	72.8	129.2	11.8	2.0	240.7	323.0	577.6
All counties	12.6	9.2	235.7	261.1	518.7	48.1	24.4	1,009.5	1,194.0	2,276.1

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-61.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber, in million board feet (International ¼-inch Rule) on timberland by FIA unit, county, and major species group, West Virginia, 2009 to 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northeastern										
Braxton	--	--	4.9	3.8	8.7	--	--	25.6	16.0	41.6
Grant	--	--	1.9	0.5	2.4	--	--	7.9	0.9	8.7
Hampshire	0.3	--	--	1.9	2.2	0.8	--	--	4.5	5.4
Hardy	--	--	0.1	0.2	0.3	--	--	--	0.8	0.8
Harrison	--	--	0.2	1.4	1.6	--	--	0.5	5.0	5.5
Lewis	--	--	2.8	1.1	4.0	--	--	12.9	4.5	17.4
Mineral	0.6	--	--	0.1	0.7	2.2	--	--	--	2.2
Morgan	--	--	0.6	--	0.6	--	--	--	--	--
Pendleton	0.4	--	--	0.0	0.5	0.8	--	--	--	0.8
Pocahontas	0.3	1.4	2.4	8.2	12.3	1.0	5.2	9.6	33.9	49.7
Preston	--	--	6.8	4.0	10.7	--	--	33.4	16.6	50.1
Randolph	--	--	7.9	9.1	17.0	--	--	38.2	43.6	81.8
Upshur	--	--	3.3	5.0	8.3	--	--	16.4	22.9	39.3
Webster	--	0.9	2.1	2.8	5.7	--	3.8	9.3	9.5	22.7
Barbour/Taylor	--	--	6.2	2.8	9.1	--	--	28.0	15.3	43.3
Berkeley/Jefferson	--	--	4.7	2.3	7.0	--	--	11.9	6.2	18.1
Total	1.6	2.3	43.9	43.4	91.2	4.8	9.1	193.7	179.9	387.5
Southern										
Boone	--	--	2.0	1.7	3.7	--	--	8.1	4.5	12.7
Clay	--	--	--	0.2	0.2	--	--	--	0.7	0.7
Fayette	--	--	2.2	10.0	12.2	--	--	8.4	45.0	53.3
Greenbrier	0.3	0.2	8.6	16.7	25.8	1.1	0.5	36.7	56.4	94.7
Kanawha	0.2	0.1	1.2	3.3	4.8	0.7	--	5.5	16.5	22.6
Logan	--	--	0.4	3.1	3.4	--	--	1.5	13.4	14.8
McDowell	--	0.1	3.2	6.0	9.3	--	--	12.6	25.4	38.0
Mercer	--	0.3	2.4	2.5	5.2	--	1.2	13.1	11.7	26.0
Mingo	--	--	3.2	1.0	4.2	--	--	14.7	4.9	19.7
Monroe	--	--	0.0	0.1	0.2	--	--	--	--	--
Nicholas	--	--	4.7	3.5	8.2	--	--	25.3	17.2	42.5
Raleigh	--	--	0.8	0.3	1.1	--	--	3.4	--	3.4
Summers	--	--	--	0.8	0.8	--	--	--	3.6	3.6
Wyoming	--	0.0	0.5	--	0.6	--	--	2.6	--	2.6
Total	0.5	0.7	29.4	49.2	79.7	1.8	1.7	132.0	199.2	334.7

(Table 61 continued on next page)

(Table 61 continued)

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northwestern										
Cabell	0.3	--	--	0.7	1.0	1.2	--	--	2.8	3.9
Calhoun	--	--	0.1	0.5	0.6	--	--	--	2.5	2.5
Doddridge	--	--	0.2	0.1	0.3	--	--	--	--	--
Gilmer	--	--	1.5	0.3	1.8	--	--	6.4	--	6.4
Jackson	0.3	--	5.0	4.9	10.3	1.4	--	22.6	20.0	44.0
Lincoln	--	0.0	0.0	3.2	3.3	--	--	--	10.8	10.8
Marion	0.1	--	1.2	0.3	1.6	--	--	6.0	1.6	7.6
Marshall	--	--	0.8	1.0	1.8	--	--	2.7	1.3	4.0
Mason	--	--	2.4	1.0	3.4	--	--	10.7	1.1	11.9
Monongalia	--	--	--	1.5	1.5	--	--	--	3.9	3.9
Putnam	0.2	--	3.5	5.1	8.8	0.6	--	17.6	28.2	46.4
Ritchie	0.4	--	0.7	8.3	9.5	--	--	0.6	28.5	29.1
Roane	--	--	1.3	2.0	3.3	--	--	4.9	6.9	11.8
Wayne	--	--	0.7	0.1	0.8	--	--	2.5	--	2.5
Wetzel	--	--	2.3	--	2.3	--	--	12.3	--	12.3
Wirt	0.2	--	0.8	1.7	2.7	--	--	1.6	4.9	6.6
Wood	1.4	--	1.0	5.9	8.3	4.7	--	1.6	21.6	27.9
Brooke/Hancock/Ohio	0.4	--	1.9	--	2.4	2.3	--	3.0	--	5.2
Pleasants/Tyler	--	--	1.4	5.4	6.8	--	--	7.9	25.1	32.9
Total	3.4	0.0	24.9	42.0	70.4	10.1	--	100.4	159.3	269.8
All counties	5.5	3.0	98.2	134.6	241.3	16.7	10.8	426.2	538.4	991.9

All table cells without observations in the inventory sample are indicated by --.
Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.
Columns and rows may not add to their totals due to rounding.
County names separated by slash indicates data were combined for those counties listed.

Table WV-61a.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber, in million board feet (Doyle Rule), on timberland by FIA unit, county, and major species group, West Virginia, 2009 to 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group					Major species group				
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species	Pine	Other softwoods	Soft hardwoods	Hard hardwoods	All species
	(In million cubic feet)					(In million board feet)				
Northeastern										
Braxton	--	--	4.9	3.8	8.7	--	--	22.0	9.5	31.5
Grant	--	--	1.9	0.5	2.4	--	--	4.3	0.4	4.7
Hampshire	0.3	--	--	1.9	2.2	0.5	--	--	2.7	3.2
Hardy	--	--	0.1	0.2	0.3	--	--	--	0.3	0.3
Harrison	--	--	0.2	1.4	1.6	--	--	0.2	3.1	3.3
Lewis	--	--	2.8	1.1	4.0	--	--	8.4	2.6	11.0
Mineral	0.6	--	--	0.1	0.7	1.1	--	--	--	1.1
Morgan	--	--	0.6	--	0.6	--	--	--	--	--
Pendleton	0.4	--	--	0.0	0.5	0.3	--	--	--	0.3
Pocahontas	0.3	1.4	2.4	8.2	12.3	0.5	3.5	6.1	24.3	34.4
Preston	--	--	6.8	4.0	10.7	--	--	24.4	10.7	35.0
Randolph	--	--	7.9	9.1	17.0	--	--	25.9	33.4	59.2
Upshur	--	--	3.3	5.0	8.3	--	--	12.1	16.5	28.6
Webster	--	0.9	2.1	2.8	5.7	--	3.6	5.8	5.2	14.6
Barbour/Taylor	--	--	6.2	2.8	9.1	--	--	17.6	14.0	31.7
Berkeley/Jefferson	--	--	4.7	2.3	7.0	--	--	6.1	4.5	10.7
Total	1.6	2.3	43.9	43.4	91.2	2.4	7.0	132.8	127.3	269.6
Southern										
Boone	--	--	2.0	1.7	3.7	--	--	5.2	2.6	7.8
Clay	--	--	--	0.2	0.2	--	--	--	0.3	0.3
Fayette	--	--	2.2	10.0	12.2	--	--	4.8	34.3	39.1
Greenbrier	0.3	0.2	8.6	16.7	25.8	0.5	0.2	22.1	37.9	60.7
Kanawha	0.2	0.1	1.2	3.3	4.8	0.3	--	3.2	12.7	16.2
Logan	--	--	0.4	3.1	3.4	--	--	0.7	10.2	10.9
McDowell	--	0.1	3.2	6.0	9.3	--	--	9.3	17.1	26.4
Mercer	--	0.3	2.4	2.5	5.2	--	0.7	10.3	8.4	19.4
Mingo	--	--	3.2	1.0	4.2	--	--	10.2	3.7	13.9
Monroe	--	--	0.0	0.1	0.2	--	--	--	--	--
Nicholas	--	--	4.7	3.5	8.2	--	--	20.2	11.8	32.0
Raleigh	--	--	0.8	0.3	1.1	--	--	2.2	--	2.2
Summers	--	--	--	0.8	0.8	--	--	--	2.0	2.0
Wyoming	--	0.0	0.5	--	0.6	--	--	1.6	--	1.6
Total	0.5	0.7	29.4	49.2	79.7	0.9	0.9	89.9	140.9	232.5

(Table 61a continued on next page)

(Table 61a continued)

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
(In million cubic feet)					(In million board feet)					
Northwestern										
Cabell	0.3	--	--	0.7	1.0	0.7	--	--	1.8	2.5
Calhoun	--	--	0.1	0.5	0.6	--	--	--	1.8	1.8
Doddridge	--	--	0.2	0.1	0.3	--	--	--	--	--
Gilmer	--	--	1.5	0.3	1.8	--	--	4.6	--	4.6
Jackson	0.3	--	5.0	4.9	10.3	0.8	--	14.9	12.8	28.5
Lincoln	--	0.0	0.0	3.2	3.3	--	--	--	6.3	6.3
Marion	0.1	--	1.2	0.3	1.6	--	--	4.2	1.0	5.1
Marshall	--	--	0.8	1.0	1.8	--	--	1.8	0.8	2.5
Mason	--	--	2.4	1.0	3.4	--	--	8.0	0.6	8.6
Monongalia	--	--	--	1.5	1.5	--	--	--	2.2	2.2
Putnam	0.2	--	3.5	5.1	8.8	0.3	--	14.3	25.4	40.0
Ritchie	0.4	--	0.7	8.3	9.5	--	--	0.2	16.4	16.7
Roane	--	--	1.3	2.0	3.3	--	--	2.8	3.9	6.7
Wayne	--	--	0.7	0.1	0.8	--	--	1.3	--	1.3
Wetzel	--	--	2.3	--	2.3	--	--	9.5	--	9.5
Wirt	0.2	--	0.8	1.7	2.7	--	--	0.8	3.6	4.4
Wood	1.4	--	1.0	5.9	8.3	2.3	--	0.8	15.7	18.9
Brooke/Hancock/Ohio	0.4	--	1.9	--	2.4	1.7	--	1.5	--	3.3
Pleasants/Tyler	--	--	1.4	5.4	6.8	--	--	6.1	17.7	23.8
Total	3.4	0.0	24.9	42.0	70.4	5.8	--	70.7	110.1	186.6
All counties	5.5	3.0	98.2	134.6	241.3	9.1	7.9	293.4	378.3	688.7

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-61b.—Average annual removals of growing-stock trees (at least 5 inches d.b.h.), in million cubic feet, and sawtimber, in million board feet (Scribner Rule), on timberland by FIA unit, county, and major species group, West Virginia, 2009 to 2013

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
	(In million cubic feet)					(In million board feet)				
Northeastern										
Braxton	--	--	4.9	3.8	8.7	--	--	23.6	14.1	37.7
Grant	--	--	1.9	0.5	2.4	--	--	6.8	0.8	7.6
Hampshire	0.3	--	--	1.9	2.2	0.7	--	--	4.0	4.7
Hardy	--	--	0.1	0.2	0.3	--	--	--	0.7	0.7
Harrison	--	--	0.2	1.4	1.6	--	--	0.4	4.5	4.9
Lewis	--	--	2.8	1.1	4.0	--	--	11.6	4.0	15.5
Mineral	0.6	--	--	0.1	0.7	1.8	--	--	--	1.8
Morgan	--	--	0.6	--	0.6	--	--	--	--	--
Pendleton	0.4	--	--	0.0	0.5	0.7	--	--	--	0.7
Pocahontas	0.3	1.4	2.4	8.2	12.3	0.8	4.6	8.5	30.8	44.7
Preston	--	--	6.8	4.0	10.7	--	--	30.4	14.8	45.3
Randolph	--	--	7.9	9.1	17.0	--	--	34.4	39.6	74.1
Upshur	--	--	3.3	5.0	8.3	--	--	14.9	20.9	35.8
Webster	--	0.9	2.1	2.8	5.7	--	3.6	8.3	8.3	20.1
Barbour/Taylor	--	--	6.2	2.8	9.1	--	--	24.9	14.2	39.1
Berkeley/Jefferson	--	--	4.7	2.3	7.0	--	--	10.3	5.6	15.9
Total	1.6	2.3	43.9	43.4	91.2	4.0	8.1	174.1	162.2	348.4
Southern										
Boone	--	--	2.0	1.7	3.7	--	--	7.3	4.0	11.2
Clay	--	--	--	0.2	0.2	--	--	--	0.6	0.6
Fayette	--	--	2.2	10.0	12.2	--	--	7.3	40.8	48.2
Greenbrier	0.3	0.2	8.6	16.7	25.8	0.9	0.4	32.5	50.7	84.5
Kanawha	0.2	0.1	1.2	3.3	4.8	0.6	--	4.8	15.2	20.6
Logan	--	--	0.4	3.1	3.4	--	--	1.3	12.3	13.5
McDowell	--	0.1	3.2	6.0	9.3	--	--	11.5	22.8	34.3
Mercer	--	0.3	2.4	2.5	5.2	--	1.0	12.1	10.7	23.8
Mingo	--	--	3.2	1.0	4.2	--	--	13.3	4.5	17.8
Monroe	--	--	0.0	0.1	0.2	--	--	--	--	--
Nicholas	--	--	4.7	3.5	8.2	--	--	23.3	15.5	38.9
Raleigh	--	--	0.8	0.3	1.1	--	--	3.1	--	3.1
Summers	--	--	--	0.8	0.8	--	--	--	3.1	3.1
Wyoming	--	0.0	0.5	--	0.6	--	--	2.3	--	2.3
Total	0.5	0.7	29.4	49.2	79.7	1.5	1.4	118.9	180.2	301.9

(Table 61b continued on next page)

(Table 61b continued)

Inventory unit and county	Growing stock					Sawtimber				
	Major species group				All species	Major species group				All species
	Pine	Other softwoods	Soft hardwoods	Hard hardwoods		Pine	Other softwoods	Soft hardwoods	Hard hardwoods	
(In million cubic feet)					(In million board feet)					
Northwestern										
Cabell	0.3	--	--	0.7	1.0	1.0	--	--	2.5	3.5
Calhoun	--	--	0.1	0.5	0.6	--	--	--	2.3	2.3
Doddridge	--	--	0.2	0.1	0.3	--	--	--	--	--
Gilmer	--	--	1.5	0.3	1.8	--	--	5.8	--	5.8
Jackson	0.3	--	5.0	4.9	10.3	1.2	--	20.4	17.9	39.4
Lincoln	--	0.0	0.0	3.2	3.3	--	--	--	9.4	9.4
Marion	0.1	--	1.2	0.3	1.6	--	--	5.5	1.4	6.9
Marshall	--	--	0.8	1.0	1.8	--	--	2.4	1.1	3.6
Mason	--	--	2.4	1.0	3.4	--	--	9.8	1.0	10.7
Monongalia	--	--	--	1.5	1.5	--	--	--	3.4	3.4
Putnam	0.2	--	3.5	5.1	8.8	0.5	--	16.2	26.3	43.0
Ritchie	0.4	--	0.7	8.3	9.5	--	--	0.5	25.0	25.5
Roane	--	--	1.3	2.0	3.3	--	--	4.3	6.1	10.4
Wayne	--	--	0.7	0.1	0.8	--	--	2.2	--	2.2
Wetzel	--	--	2.3	--	2.3	--	--	11.3	--	11.3
Wirt	0.2	--	0.8	1.7	2.7	--	--	1.4	4.5	5.9
Wood	1.4	--	1.0	5.9	8.3	3.9	--	1.4	19.8	25.0
Brooke/Hancock/Ohio	0.4	--	1.9	--	2.4	2.0	--	2.5	--	4.6
Pleasants/Tyler	--	--	1.4	5.4	6.8	--	--	7.2	22.8	30.0
Total	3.4	0.0	24.9	42.0	70.4	8.6	--	90.9	143.5	243.0
All counties	5.5	3.0	98.2	134.6	241.3	14.0	9.5	383.9	485.8	893.3

All table cells without observations in the inventory sample are indicated by --.

Table value of 0.0 indicates the volume rounds to less than 100,000 cubic or board feet.

Columns and rows may not add to their totals due to rounding.

County names separated by slash indicates data were combined for those counties listed.

Table WV-65.—Sampling errors by FIA unit and county for area of timberland, volume, average annual net growth, average annual removals, and average annual mortality on timberland, West Virginia, 2013

Inventory unit and county	Forest area	Timberland area	Growing stock				Sawtimber			
			Volume	Average annual net growth	Average annual removals	Average annual mortality	Volume	Average annual net growth	Average annual removals	Average annual mortality
Northeastern										
Braxton	14.07	14.07	16.32	30.67	59.33	40.00	17.81	37.58	63.06	55.30
Grant	15.75	16.02	19.22	28.27	99.49	42.79	22.05	26.68	99.49	75.58
Hampshire	13.39	13.39	15.59	25.28	56.79	30.46	17.01	22.01	69.21	34.76
Hardy	13.57	13.79	15.83	20.88	69.13	30.30	17.40	18.31	99.49	42.23
Harrison	18.77	18.77	22.07	22.95	57.99	45.41	23.70	24.18	68.62	62.52
Lewis	18.71	18.71	21.01	22.21	87.59	40.62	22.18	24.21	87.59	57.26
Mineral	18.64	18.64	25.18	25.26	100.00	44.88	33.94	25.92	100.00	58.63
Morgan	22.87	22.87	25.85	70.80	99.49	77.94	29.04	84.66	--	90.10
Pendleton	12.74	13.73	16.41	31.42	100.00	34.32	18.49	29.61	100.00	43.24
Pocahontas	10.03	10.91	12.61	18.02	62.47	29.84	13.98	17.53	68.03	41.81
Preston	14.18	14.18	17.09	19.46	51.45	39.30	18.49	19.70	51.89	75.10
Randolph	9.89	10.23	12.19	15.49	37.17	21.74	13.02	15.21	37.46	28.85
Tucker	16.43	19.09	20.89	26.82	--	36.70	22.04	24.76	--	45.78
Upshur	18.67	18.67	22.04	26.85	43.78	48.39	22.81	26.47	47.01	66.90
Webster	12.36	12.60	14.35	33.43	66.01	64.13	15.59	29.93	66.56	79.44
Barbour/Taylor	16.16	16.16	18.72	28.83	57.59	40.55	19.98	24.94	59.55	48.05
Berkeley/Jefferson	20.96	20.96	29.31	29.29	75.30	45.67	36.01	29.89	74.64	56.15
Total	1.06	1.28	2.53	5.47	17.80	11.08	3.22	5.33	18.82	16.41
Southern										
Boone	13.97	13.97	16.91	31.44	87.86	37.35	18.35	29.53	90.12	49.26
Clay	17.09	17.09	19.09	24.65	70.50	54.92	19.97	26.47	90.12	70.06
Fayette	12.71	13.52	16.17	21.40	59.20	55.71	17.16	23.65	64.11	70.64
Greenbrier	10.31	10.43	12.19	19.25	42.27	27.43	13.43	17.02	42.74	35.17
Kanawha	11.10	11.17	13.50	16.25	60.71	31.07	14.61	16.99	65.75	42.37
Logan	14.81	14.81	17.76	18.51	61.04	33.49	18.18	19.60	69.52	90.12
McDowell	12.56	12.56	13.82	21.34	57.52	43.44	14.88	23.08	59.37	60.93
Mercer	18.23	18.23	20.88	29.63	73.40	41.73	22.19	28.82	76.22	52.44
Mingo	14.64	14.64	17.01	24.67	73.52	36.63	17.91	25.59	75.34	42.86
Monroe	19.95	19.95	24.86	86.16	90.12	50.10	27.85	85.28	--	61.16
Nicholas	13.28	13.37	16.23	17.72	99.84	29.82	18.08	17.98	100.00	44.45
Raleigh	16.46	17.14	19.57	21.93	78.26	48.25	20.72	21.83	90.12	74.47
Summers	19.69	20.12	22.65	38.31	91.40	42.89	22.88	29.86	93.23	48.41
Wyoming	12.83	12.83	14.59	34.63	86.89	33.06	15.60	33.36	90.12	39.95
Total	1.14	1.23	2.40	5.73	22.12	10.39	2.98	5.49	23.42	14.81

(Table 65 continued on next page)

(Table 65 continued)

Inventory unit and county	Forest area	Timberland area	Growing stock				Sawtimber			
			Volume	Average annual net growth	Average annual removals	Average annual mortality	Volume	Average annual net growth	Average annual removals	Average annual mortality
Northwestern										
Cabell	22.09	22.09	25.37	100.00	96.26	43.52	27.18	100.00	99.69	49.02
Calhoun	23.64	23.64	26.88	45.39	84.20	41.69	29.81	41.01	99.69	52.14
Doddridge	18.33	18.33	20.85	27.50	78.31	37.32	21.70	27.42	--	47.15
Gilmer	18.02	18.02	20.29	27.57	80.70	52.15	21.37	32.06	78.24	74.25
Jackson	16.86	17.42	19.59	25.17	50.22	37.36	20.41	24.53	49.44	49.43
Lincoln	15.47	15.47	17.94	21.31	100.00	31.29	19.48	20.46	100.00	41.82
Marion	21.86	21.86	28.04	42.31	95.45	52.00	31.98	43.31	95.43	64.07
Marshall	17.87	17.87	22.61	60.26	55.70	38.93	23.84	45.05	78.62	47.03
Mason	17.98	17.98	21.63	26.60	87.89	36.39	24.13	26.40	90.12	45.64
Monongalia	21.76	21.76	27.20	32.72	96.90	43.72	28.90	31.95	96.90	54.11
Putnam	18.34	18.34	21.39	100.00	59.89	64.76	22.56	100.00	62.62	82.14
Ritchie	15.05	15.67	17.27	20.92	45.04	36.72	18.43	23.48	43.49	52.59
Roane	16.33	16.62	18.98	26.31	99.69	41.40	20.10	24.31	99.69	52.73
Wayne	14.86	15.10	16.46	24.34	71.31	29.81	17.46	23.61	99.69	43.28
Wetzel	17.62	18.09	21.31	26.67	99.68	65.42	23.11	28.28	100.00	83.21
Wirt	22.27	22.96	26.07	77.95	70.36	73.48	28.48	100.00	70.79	90.61
Wood	17.38	18.06	21.77	26.30	53.63	33.74	22.46	25.14	58.66	53.82
Brooke/Hancock/Ohio	21.29	21.79	29.72	28.05	60.03	68.32	32.69	30.52	60.84	96.90
Pleasants/Tyler	17.40	17.40	19.48	42.32	73.53	41.52	20.63	33.71	76.50	60.61
Total	1.06	1.24	2.67	6.69	18.47	10.07	3.40	7.18	20.31	15.85
All counties	0.55	0.68	1.42	3.40	11.22	6.12	1.81	3.38	12.04	9.11

Sampling errors that exceed 100% are reported as 100%.

County names separated by slash indicates data were combined for those counties listed.