

Table A1-1--Area of sampled land and water, by land status and ownership group, coastal Alaska, 2004-2013

Land status	Ownership group									
	USDA Forest Service		Other federal		State and local government		All private		All owners	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand acres</i>										
Unreserved forest land:										
Timberland	3,811.3	141.1	80.3	21.5	926.3	60.8	1,303.7	71.3	6,121.5	159.9
Other forest land	3,341.6	163.6	44.3	15.9	350.2	43.5	459.3	47.5	4,195.4	174.4
Total	7,152.9	182.4	124.5	26.0	1,276.5	66.7	1,763.0	74.5	10,317.0	192.9
Reserved forest land:										
Productive forest land	1,908.8	206.4	727.5	45.6	92.5	21.9	--	--	2,728.8	212.5
Other forest land	1,799.1	252.3	437.0	42.1	28.9	13.2	--	--	2,265.0	256.2
Total	3,707.9	218.5	1,164.5	37.9	121.4	25.1	--	--	4,993.8	223.1
All forest land	10,860.8	226.4	1,289.1	44.5	1,397.9	65.7	1,763.0	74.5	15,310.8	235.6
Nonforest land and water:										
Nonforest land	10,766.1	223.8	7,541.3	57.6	2,625.5	63.5	1,312.7	58.7	22,245.7	238.5
Noncensus water	45.8	11.2	17.9	9.1	25.2	11.2	11.6	6.8	100.5	19.5
Census water	665.8	134.9	247.2	31.8	15,715.2	46.6	127.3	27.0	16,755.5	144.8
Total	11,477.7	234.1	7,806.5	53.7	18,365.9	70.3	1,451.6	61.5	39,101.7	243.8
All sampled area	22,338.5	117.2	9,095.5	42.6	19,763.8	76.8	3,214.6	75.7	54,412.5	88.2

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 acres was estimated.

Table A1-2--Area of forest land, by borough/census area and land status, coastal Alaska, 2004-2013

Borough/Census Area	Land status												All forest land	
	Unreserved forests						Reserved forests							
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE		
Thousand acres														
Anchorage Municipality	83.3	21.7	30.1	13.1	113.5	25.2	8.1	6.6	22.4	11.6	30.5	13.0	144.0	28.0
Haines Borough	264.1	39.3	108.0	24.6	372.1	45.6	53.5	48.4	--	--	53.5	48.4	425.7	66.5
Hoonah-Angoon Census Area	321.8	42.4	194.4	33.7	516.2	53.4	232.9	108.1	472.5	149.4	705.4	180.3	1,221.6	187.7
Juneau City and Borough	226.1	34.9	239.8	37.3	466.0	49.3	26.3	12.1	11.3	8.6	37.6	14.8	503.6	50.8
Kenai Peninsula Borough	796.4	58.8	336.5	43.4	1,132.9	67.2	603.6	39.1	416.2	40.8	1,019.8	29.2	2,152.6	73.1
Ketchikan Gateway Borough	400.1	48.0	349.8	45.5	750.0	64.0	690.2	165.1	656.0	190.8	1,346.2	226.5	2,096.2	235.2
Kodiak Island Borough	344.7	29.5	39.1	14.8	383.7	29.5	90.0	20.2	21.7	10.6	111.7	21.7	495.4	31.9
Petersburg Borough	463.8	52.2	360.5	45.8	824.3	67.5	28.7	17.5	94.7	66.1	123.4	68.4	947.7	95.9
Prince of Wales-Hyder Census Area	1,546.5	84.4	989.3	69.5	2,535.8	95.2	357.3	114.5	119.9	67.6	477.2	130.9	3,013.0	159.0
Sitka City and Borough	432.0	50.2	346.3	44.1	778.4	65.0	269.4	100.2	183.9	84.4	453.3	131.1	1,231.7	145.2
Skagway Municipality	39.0	15.4	15.4	9.5	54.4	18.1	5.2	5.9	--	--	5.2	5.9	59.6	18.9
Valdez-Cordova Census Area	559.8	99.9	747.3	132.4	1,307.1	163.0	25.0	10.1	5.6	6.0	30.6	11.5	1,337.7	163.3
Wrangell City and Borough	410.3	48.2	418.0	49.1	828.3	67.8	72.5	65.5	260.7	119.2	333.1	134.1	1,161.4	150.0
Yakutat City and Borough	233.5	35.7	20.9	11.1	254.4	37.1	266.2	82.2	--	--	266.2	82.2	520.5	88.6
All boroughs/census areas	6,121.5	159.9	4,195.4	174.4	10,317.0	192.9	2,728.8	212.5	2,265.0	256.2	4,993.8	223.1	15,310.8	235.6

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50 acres was estimated.

Table A1-3--Area of forest land, by borough and ownership group, coastal Alaska, 2004-2013

Borough/Census Area	Ownership group									
	National forest		Other federal		State and local government		Private		Total	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand acres</i>										
Anchorage Municipality	18.2	10.1	35.8	14.8	67.5	19.3	22.6	10.9	144.0	28.0
Haines Borough	267.9	59.6	22.7	11.1	130.6	27.1	4.4	5.5	425.7	66.5
Hoonah-Angoon Census Area	1,074.7	185.5	--	--	9.2	7.0	137.7	27.5	1,221.6	187.7
Juneau City and Borough	418.5	46.1	--	--	65.3	19.8	19.7	10.6	503.6	50.8
Kenai Peninsula Borough	176.5	29.7	1,022.3	29.6	488.6	49.0	465.3	43.2	2,152.6	73.1
Ketchikan Gateway Borough	1,990.1	233.9	5.2	5.1	63.0	19.4	38.0	15.4	2,096.2	235.2
Kodiak Island Borough	--	--	72.5	16.6	151.0	13.6	271.9	25.7	495.4	31.9
Petersburg Borough	878.9	93.8	--	--	37.3	15.1	31.5	14.4	947.7	95.9
Prince of Wales-Hyder Census Area	2,532.1	155.9	--	--	43.6	16.0	437.4	40.1	3,013.0	159.0
Sitka City and Borough	1,204.5	144.6	--	--	16.9	9.3	10.3	8.2	1,231.7	145.2
Skagway Municipality	9.4	6.7	5.4	6.0	44.8	16.8	--	--	59.6	18.9
Valdez-Cordova Census Area	882.7	156.2	65.5	17.8	123.6	26.9	265.8	38.3	1,337.7	163.3
Wrangell City and Borough	1,141.3	149.6	--	--	20.1	11.4	--	--	1,161.4	150.0
Yakutat City and Borough	266.1	81.0	59.7	18.0	136.3	25.5	58.4	18.1	520.5	88.6
All boroughs/census areas	10,860.8	226.4	1,289.1	44.5	1,397.9	65.7	1,763.0	74.5	15,310.8	235.6

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50 acres was estimated.

Table A1-4--Area of forest land, by forest type, ownership group, and land status, coastal Alaska 2004-2013

Forest type	Ownership group																	
	USDA Forest Service				Other federal				State and local government				Private				All owners	
	Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		Timberland		Other forest land		All owners	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand acres																		
Softwoods:																		
Alaska yellow-cedar	338.6	44.3	1,838.4	210.4	--	--	5.2	5.1	8.2	6.0	37.9	14.7	6.8	5.3	75.8	20.5	2,310.9	215.2
Black spruce	5.0	5.0	0.3	0.4	--	--	386.8	37.8	16.3	9.9	24.6	11.9	18.9	10.9	33.2	14.0	485.0	44.6
Lodgepole pine	45.6	14.9	337.6	39.7	--	--	--	--	20.9	10.8	9.4	6.8	--	--	18.9	10.2	432.4	44.7
Mountain hemlock	387.1	97.1	2,340.4	234.9	--	--	100.0	23.9	60.4	18.6	98.7	24.8	49.1	15.8	138.3	28.4	3,173.9	247.2
Sitka spruce	546.0	54.0	415.2	115.7	1.7	1.7	52.2	16.4	368.8	40.0	109.6	24.0	448.0	44.5	37.3	14.9	1,978.7	141.0
Western hemlock	2,064.8	93.6	1,320.6	198.6	10.7	8.2	3.9	3.6	181.9	31.3	30.9	13.0	340.1	41.9	47.0	15.8	4,000.0	219.6
Western redcedar	328.3	42.6	608.8	138.6	--	--	--	--	7.5	6.5	20.0	10.4	18.5	9.6	44.8	16.3	1,028.0	145.1
White spruce	21.2	10.8	13.0	8.7	5.4	6.0	216.0	30.2	72.8	20.5	52.4	17.6	56.7	18.6	10.0	7.5	447.4	47.0
Total	3,736.7	140.0	6,876.6	253.7	17.8	10.3	764.1	46.6	736.8	56.3	383.6	44.7	938.0	63.2	405.2	44.6	13,858.8	240.4
Hardwoods:																		
Aspen	--	--	--	--	6.3	6.4	104.2	24.2	--	--	4.5	4.3	22.4	11.6	--	--	137.5	28.0
Cottonwood	23.1	11.6	99.4	58.7	21.8	11.1	75.2	19.3	62.0	19.1	27.3	12.3	86.1	21.7	--	--	394.7	70.8
Paper birch	11.0	7.7	5.9	5.5	20.0	11.0	214.7	31.1	50.5	17.3	34.4	14.4	163.7	29.8	37.8	14.7	544.6	51.5
Red alder	24.2	9.6	11.4	8.7	--	--	--	--	--	--	--	--	4.2	3.7	--	--	39.9	13.4
Total	63.2	17.6	116.7	59.6	48.1	16.9	394.1	41.3	119.0	26.4	73.5	20.2	276.4	37.6	37.8	14.7	1,135.3	90.5
All forest types	3,811.3	141.1	7,049.5	251.1	73.8	20.5	1,208.8	40.8	926.3	60.8	471.7	49.2	1,303.7	71.3	459.3	47.5	15,310.8	235.6

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50 acres was estimated.

Table A1-5--Area of forest land, by forest type and stand age class, coastal Alaska, 2004-2013

Forest type	Stand age class (years)													
	1-20		21-40		41-60		61-80		81-100		101-120		121-140	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand acres</i>														
Softwoods:														
Alaska yellow-cedar	--	--	25.9	11.9	6.7	4.7	34.7	13.1	9.2	7.2	26.7	12.1	55.2	17.5
Black spruce	--	--	49.2	16.5	118.7	24.6	110.3	24.9	66.1	19.8	87.5	22.4	37.9	15.3
Lodgepole pine	8.9	6.3	5.9	6.2	11.3	5.7	40.7	13.9	23.3	12.0	14.9	8.9	38.9	14.8
Mountain hemlock	95.5	70.5	59.9	49.4	60.5	53.9	155.9	69.1	161.5	29.8	197.6	69.3	361.7	112.2
Sitka spruce	127.1	26.7	206.5	34.7	138.4	30.0	138.2	27.5	194.2	31.7	184.1	55.7	132.5	27.7
Western hemlock	163.0	29.8	222.6	35.0	43.9	16.5	22.2	11.8	62.4	18.3	153.8	29.8	101.2	24.6
Western redcedar	14.1	8.5	12.4	8.9	--	--	--	--	12.8	8.7	18.2	10.0	18.5	10.3
White spruce	28.2	12.8	30.6	13.6	120.7	25.9	121.6	25.9	38.7	14.8	41.8	15.3	24.7	12.3
Total	436.8	82.1	615.5	74.2	500.2	73.2	623.6	85.1	568.1	55.3	724.5	98.5	770.6	121.9
Hardwoods:														
Aspen	12.0	8.8	15.3	9.8	17.9	9.9	36.0	14.6	21.6	11.4	15.5	9.1	10.8	8.3
Cottonwood	9.3	5.5	102.0	58.6	114.2	25.7	56.5	18.1	45.5	15.9	27.9	13.0	15.3	8.9
Paper birch	13.5	8.4	57.1	17.7	52.5	17.1	89.1	22.6	100.2	23.3	119.4	25.7	54.4	18.0
Red alder	--	--	16.5	8.5	1.7	1.7	6.7	4.4	--	--	11.4	8.7	--	--
Total	34.9	13.3	190.9	62.5	186.3	32.4	188.3	32.7	172.1	30.8	180.7	31.9	87.8	22.5
All forest types	471.7	83.1	806.4	96.9	686.5	79.7	811.9	90.6	740.2	62.7	905.2	103.1	858.5	123.8

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 acres was estimated.

Table A1-5--(Continued) Area of forest land, by forest type and stand age class, coastal Alaska, 2004-2013

Forest type	Stand age class (years)											
	141-160		161-180		181-200		201 plus		Unknown		All classes	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand acres												
Softwoods:												
Alaska yellow-cedar	170.1	69.8	244.6	91.2	100.9	23.9	1,636.9	190.4	--	--	2,310.9	215.2
Black spruce	15.4	8.8	--	--	--	--	--	--	--	--	485.0	44.6
Lodgepole pine	37.7	14.3	43.4	15.7	37.4	14.5	170.0	30.4	--	--	432.4	44.7
Mountain hemlock	243.7	66.5	223.8	71.9	297.9	72.5	1,316.0	158.8	--	--	3,173.9	247.2
Sitka spruce	173.4	31.0	73.2	20.5	53.8	18.1	551.9	109.5	5.4	4.4	1,978.7	141.0
Western hemlock	159.2	30.9	370.1	96.5	323.8	73.9	2,377.7	195.2	--	--	4,000.0	219.6
Western redcedar	67.9	47.3	78.0	22.1	101.3	24.2	704.8	134.9	--	--	1,028.0	145.1
White spruce	11.2	8.4	14.3	9.1	2.2	2.7	--	--	13.3	9.3	447.4	47.0
Total	878.6	117.2	1,047.5	152.8	917.4	110.2	6,757.3	258.3	18.7	10.3	13,858.8	240.4
Hardwoods:												
Aspen	8.4	7.3	--	--	--	--	--	--	--	--	137.5	28.0
Cottonwood	15.2	9.1	--	--	--	--	8.9	7.0	--	--	394.7	70.8
Paper birch	32.2	14.2	3.8	3.4	--	--	8.1	6.2	14.3	8.7	544.6	51.5
Red alder	3.4	3.3	--	--	--	--	--	--	--	--	39.9	13.4
Total	59.2	18.7	3.8	3.4	--	--	17.1	9.4	14.3	8.7	1,135.3	90.5
All forest types	937.8	118.6	1,051.3	152.9	917.4	110.2	6,774.4	258.4	349.7	43.8	15,310.8	235.6

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 acres was estimated.

Table A1-6--Area of forest land, by ownership and land status, coastal Alaska, 2004-2013

Ownership	Land status													
	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand acres														
Federal Government:														
Chugach National Forest	425.5	95.1	651.8	129.1	1,077.3	156.6	--	--	--	--	--	--	1,077.3	156.6
Tongass National Forest	3,385.8	104.3	2,689.8	100.6	6,075.6	93.9	1,908.8	206.4	1,799.1	252.3	3,707.9	218.5	9,783.5	224.5
U.S. Fish and Wildlife Service	--	--	--	--	--	--	656.9	41.8	412.0	40.3	1,069.0	31.7	1,069.0	31.7
Other federal	80.3	21.5	44.3	15.9	124.5	26.0	70.6	18.4	24.9	12.0	95.5	21.4	220.1	31.9
Total	3,891.6	142.6	3,385.9	164.1	7,277.5	183.8	2,636.3	211.4	2,236.1	255.8	4,872.4	221.8	12,149.9	230.2
State and Local Government:														
Local	128.1	27.6	39.7	15.1	167.8	31.6	--	--	--	--	--	--	167.8	31.6
State	798.1	57.3	310.5	41.4	1,108.7	64.4	92.5	21.9	28.9	13.2	121.4	25.1	1,230.1	63.9
Total	926.3	60.8	350.2	43.5	1,276.5	66.7	92.5	21.9	28.9	13.2	121.4	25.1	1,397.9	65.7
Private:														
Corporate	1,131.9	68.2	409.6	44.4	1,541.4	71.0	--	--	--	--	--	--	1,541.4	71.0
Non-corporate	171.9	30.2	49.7	16.9	221.5	34.6	--	--	--	--	--	--	221.5	34.6
Total	1,303.7	71.3	459.3	47.5	1,763.0	74.5	--	--	--	--	--	--	1,763.0	74.5
All owners	6,121.5	159.9	4,195.4	174.4	10,317.0	192.9	2,728.8	212.5	2,265.0	256.2	4,993.8	223.1	15,310.8	235.6

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 acres was estimated.

Table A1-6-- (Continued) Area of forest land, by ownership and land status, coastal Alaska, 2004-2013

Ownership	Land status							
	Reserved forests						All forest land	
	Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE
Thousand acres								
Federal Government:								
Chugach National Forest	--	--	--	--	--	--	1,077.3	156.6
Tongass National Forest	1,908.8	206.4	1,799.1	252.3	3,707.9	218.5	9,783.5	224.5
U.S. Fish and Wildlife Service	656.9	41.8	412.0	40.3	1,069.0	31.7	1,069.0	31.7
Other federal	70.6	18.4	24.9	12.0	95.5	21.4	220.1	31.9
Total	2,636.3	211.4	2,236.1	255.8	4,872.4	221.8	12,149.9	230.2
State and Local Government:								
Local	--	--	--	--	--	--	167.8	31.6
State	92.5	21.9	28.9	13.2	121.4	25.1	1,230.1	63.9
Total	92.5	21.9	28.9	13.2	121.4	25.1	1,397.9	65.7
Private:								
Corporate	--	--	--	--	--	--	1,541.4	71.0
Non-corporate	--	--	--	--	--	--	221.5	34.6
Total	--	--	--	--	--	--	1,763.0	74.5
All owners	2,728.8	212.5	2,265.0	256.2	4,993.8	223.1	15,310.8	235.6

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50 acres was estimated.

Table A1-7--Number of live trees^a on forest land, by borough and land status, coastal Alaska, 2004-2013

Borough/Census Area	Land status												All forest land	
	Unreserved forests						Reserved forests							
	Timberland		Unproductive		Total		Productive		Unproductive		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE		
Thousand trees														
Anchorage Municipality	37,408	13,412	19,186	8,697	56,594	15,981	8,623	7,511	25,247	16,884	33,870	18,215	90,464	24,118
Haines Borough	106,933	19,344	62,828	17,691	169,760	25,916	11,091	10,034	--	--	11,091	10,034	180,851	27,790
Hoonah-Angoon Census Area	118,997	21,075	117,281	26,113	236,278	33,154	88,667	43,294	177,124	58,587	265,790	71,808	502,068	78,968
Juneau City and Borough	98,108	19,993	125,683	25,974	223,792	31,996	8,573	4,283	4,693	3,880	13,266	5,780	237,058	32,280
Kenai Peninsula Borough	220,679	26,862	147,712	28,039	368,391	37,512	594,619	63,601	300,101	42,538	894,720	64,094	1,263,110	74,235
Ketchikan Gateway Borough	186,457	34,784	270,602	41,880	457,059	53,589	284,803	93,033	510,398	198,052	795,201	208,574	1,252,260	215,324
Kodiak Island Borough	123,904	27,625	7,634	3,888	131,537	27,473	21,201	6,144	5,006	2,667	26,207	6,540	157,744	27,721
Petersburg Borough	234,183	37,792	217,502	32,721	451,685	49,230	6,408	3,669	25,572	20,213	31,981	20,508	483,665	53,304
Prince of Wales-Hyder Census Area	913,050	74,378	720,359	62,400	1,633,409	89,677	185,005	66,863	112,443	57,785	297,447	86,797	1,930,856	123,637
Sitka City and Borough	183,765	27,686	196,620	31,015	380,385	40,794	226,519	104,293	192,109	115,532	418,628	155,666	799,013	160,762
Skagway Municipality	9,603	4,466	10,474	8,249	20,078	9,353	4,316	4,912	--	--	4,316	4,912	24,394	10,446
Valdez-Cordova Census Area	221,639	50,038	352,492	81,300	574,130	94,579	6,081	3,917	839	903	6,919	3,989	581,050	94,654
Wrangell City and Borough	223,320	31,572	300,042	43,429	523,362	53,055	14,428	13,199	191,606	96,873	206,034	97,353	729,395	110,756
Yakutat City and Borough	110,524	28,517	2,896	2,129	113,420	28,551	85,129	31,056	--	--	85,129	31,056	198,549	41,941
All boroughs/census areas	2,788,568	116,118	2,551,310	127,016	5,339,878	153,118	1,545,462	141,705	1,545,137	237,983	3,090,599	242,795	8,430,477	273,241

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = fewer than 50 trees were estimated.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-8---Number of live trees^a on forest land, by species and diameter class, coastal Alaska, 2004-2013

Species	Diameter class (inches)											
	1.0-2.9		3.0-4.9		5.0-6.9		7.0-8.9		9.0-10.9		11.0-12.9	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand trees</i>												
Softwoods:												
Alaska yellow-cedar	785,159	112,884	228,279	29,812	117,334	14,233	78,130	9,181	59,716	7,577	38,953	4,285
Black spruce	456,400	49,879	125,888	15,202	23,745	3,561	2,939	641	223	109	86	57
Lodgepole pine	104,421	20,789	38,183	7,265	20,511	2,056	14,912	1,459	12,365	2,280	9,850	1,993
Mountain hemlock	676,018	70,550	346,680	45,643	192,710	16,821	130,667	11,705	92,154	10,292	59,664	6,016
Sitka spruce	431,787	43,277	149,392	14,874	97,225	6,928	63,234	4,152	48,219	3,317	35,501	2,747
Western hemlock	1,261,667	76,559	479,212	31,219	272,747	14,760	180,192	9,549	117,283	5,957	81,616	4,682
Western redcedar	188,162	31,026	59,496	13,804	31,853	4,148	24,023	3,400	18,558	2,996	15,496	2,334
White spruce	155,672	22,439	65,978	9,386	36,016	3,170	20,494	1,691	8,797	940	3,957	504
Total	4,059,657	196,606	1,493,498	65,787	792,679	27,339	514,845	18,090	357,399	13,569	245,194	9,255
Hardwoods:												
Black cottonwood	30,032	11,527	10,610	3,338	8,247	1,946	10,569	4,696	6,181	1,325	4,402	1,076
Paper birch	88,705	18,669	28,415	6,199	16,851	2,706	11,774	1,529	7,790	1,012	4,622	618
Quaking aspen	16,419	7,412	2,012	1,301	2,751	953	2,891	898	2,528	820	2,338	592
Red alder	16,229	7,603	13,386	4,513	7,250	1,666	5,005	1,170	3,500	1,045	1,020	229
Total	154,948	24,936	54,423	8,458	35,273	3,890	30,238	5,159	19,999	2,138	12,382	1,403
All species	4,214,605	198,452	1,547,921	66,436	827,951	27,532	545,084	18,173	377,398	13,657	257,576	9,262

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = fewer than 50 trees were estimated.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-8--Number of live trees^a on forest land, by species and diameter class, coastal Alaska, 2004-2013 (continued)

Species	Diameter class (inches)											
	13.0-14.9		15.0-16.9		17.0-18.9		19.0-20.9		21.0-22.9		23.0-24.9	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand trees</i>												
Softwoods:												
Alaska yellow-cedar	29,236	3,814	18,629	2,054	16,544	2,289	8,250	1,190	6,314	938	3,292	586
Black spruce	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	5,262	1,395	1,518	270	1,803	639	488	137	448	131	107	65
Mountain hemlock	42,148	4,079	31,435	4,073	20,375	2,381	12,987	2,159	9,076	1,404	4,667	1,060
Sitka spruce	30,607	2,317	24,292	1,812	18,261	1,455	11,907	1,149	11,260	1,270	8,450	857
Western hemlock	55,403	3,156	37,754	2,170	27,525	2,318	19,762	1,336	14,609	1,328	14,502	1,659
Western redcedar	10,495	2,242	8,319	1,604	8,047	1,498	4,696	774	3,594	664	3,479	925
White spruce	1,461	260	646	205	408	171	37	38	88	83	--	--
Total	174,768	7,026	122,693	5,267	92,995	4,643	58,173	3,121	45,387	2,596	34,543	2,364
Hardwoods:												
Black cottonwood	3,692	1,032	2,072	384	1,720	337	947	249	803	229	425	165
Paper birch	2,445	397	1,557	346	692	194	279	103	64	50	110	64
Quaking aspen	978	253	397	172	176	79	99	60	--	--	--	--
Red alder	538	215	879	419	152	96	136	73	69	52	50	44
Total	7,652	1,160	4,905	685	2,739	409	1,461	284	936	240	585	191
All species	182,421	7,038	127,598	5,253	95,734	4,656	59,634	3,131	46,323	2,612	35,128	2,375

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = fewer than 50 trees were estimated.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-8--Number of live trees^a on forest land, by species and diameter class, coastal Alaska, 2004-2013 (continued)

Species	Diameter class (inches)											
	25.0-26.9		27.0-28.9		29.0-30.9		31.0-32.9		33.0-34.9		35.0-36.9	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand trees</i>												
Softwoods:												
Alaska yellow-cedar	2,412	490	2,062	577	1,268	424	1,231	409	886	424	385	121
Black spruce	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	29	33	--	--	--	--	--	--	--	--	--	--
Mountain hemlock	4,867	1,210	2,348	687	1,808	771	1,593	529	322	111	744	409
Sitka spruce	6,872	846	6,186	865	6,100	1,408	3,558	972	3,162	848	2,403	596
Western hemlock	10,386	928	6,862	844	6,164	811	4,905	938	3,560	527	2,434	486
Western redcedar	3,407	1,171	2,504	1,203	2,312	761	1,063	423	421	140	551	152
White spruce	--	--	37	38	--	--	--	--	--	--	--	--
Total	27,973	2,168	20,031	1,849	17,652	2,154	12,351	1,551	8,350	1,082	6,518	883
Hardwoods:												
Black cottonwood	473	168	344	124	29	34	56	46	147	74	73	53
Paper birch	--	--	--	--	--	--	--	--	--	--	--	--
Quaking aspen	--	--	33	35	--	--	--	--	--	--	--	--
Red alder	73	76	--	--	--	--	--	--	--	--	--	--
Total	546	184	378	128	29	34	56	46	147	74	73	53
All species	28,518	2,176	20,408	1,853	17,680	2,155	12,407	1,554	8,497	1,084	6,590	884

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = fewer than 50 trees were estimated.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-8--Number of live trees^a on forest land, by species and diameter class, coastal Alaska, 2004-2013 (continued)

Species	Diameter class (inches)														All classes	
	37.0-38.9		39.0-40.9		41.0-42.9		43.0-44.9		45.0-46.9		47.0-48.9		49.0 +			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand trees																
Softwoods:																
Alaska yellow-cedar	669	395	29	35	74	54	64	50	--	--	--	--	29	34	1,398,946	158,270
Black spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	609,280	60,757
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	209,896	27,067
Mountain hemlock	73	54	221	108	202	102	131	71	431	371	--	--	408	393	1,631,728	134,518
Sitka spruce	1,140	224	1,224	420	849	185	1,354	495	807	175	634	165	1,873	553	966,296	60,370
Western hemlock	1,514	449	1,104	214	529	142	364	119	330	113	177	83	227	107	2,600,829	112,108
Western redcedar	332	113	721	397	1,089	792	588	401	585	401	52	46	1,150	559	390,990	48,800
White spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	293,590	30,455
Total	3,727	650	3,299	603	2,743	835	2,501	655	2,153	586	862	190	3,687	840	8,103,677	272,361
Hardwoods:																
Black cottonwood	--	--	34	36	--	--	--	--	--	--	--	--	--	--	80,851	17,740
Paper birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	163,304	23,912
Quaking aspen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	30,622	8,813
Red alder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	48,286	12,183
Total	--	--	34	36	--	--	--	--	--	--	--	--	--	--	326,800	33,682
All species	3,727	650	3,333	604	2,743	835	2,501	655	2,153	586	862	190	3,687	840	8,430,477	273,241

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = fewer than 50 trees were estimated.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-9--Number of dead trees^a on forest land, by species and diameter class, coastal Alaska, 2004-2013

Species	5.0-6.9		7.0-8.9		9.0-10.9		11.0-12.9		13.0-14.9	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand trees</i>										
Softwoods:										
Alaska yellow-cedar	38,973	4,072	30,868	3,697	21,578	2,710	17,075	2,106	8,722	1,003
Black spruce	5,448	838	998	238	33	35	--	--	--	--
Lodgepole pine	5,628	1,024	5,226	937	2,945	595	2,215	539	1,539	505
Mountain hemlock	24,790	3,435	14,087	1,531	8,205	992	5,363	881	4,558	835
Sitka spruce	21,848	2,216	12,837	1,477	9,214	1,131	5,891	784	4,544	661
Western hemlock	52,924	4,241	36,597	3,265	23,280	2,553	16,365	1,509	13,782	1,621
Western redcedar	8,518	1,579	6,198	1,264	4,417	717	4,666	1,106	2,549	507
White spruce	13,763	1,481	12,178	1,291	9,747	1,105	5,675	716	2,854	448
Total	171,924	7,548	119,020	6,299	79,450	4,205	57,251	3,133	38,577	2,371
Hardwoods:										
Black cottonwood	2,095	642	901	256	572	183	259	113	243	121
Paper birch	1,416	322	1,439	299	900	206	408	134	346	127
Quaking aspen	895	331	843	276	553	188	279	109	99	61
Red alder	357	145	1,157	608	244	125	582	391	78	55
Total	4,763	811	4,340	772	2,268	367	1,528	441	806	198
All species	176,687	7,598	123,359	6,295	81,718	4,229	58,779	3,104	39,382	2,378

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = fewer than 50 trees were estimated.

^a Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory.

Table A1-9--Number of dead trees^a on forest land, by species and diameter class, coastal Alaska, 2004-2013 (continued)

Species	Diameter class (inches)									
	15.0-16.9		17.0-18.9		19.0-20.9		21.0-22.9		23.0-24.9	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand trees</i>										
Softwoods:										
Alaska yellow-cedar	8,472	1,214	5,005	874	1,849	294	1,841	464	1,404	444
Black spruce	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	585	169	908	424	291	106	45	42	--	--
Mountain hemlock	4,878	1,165	2,939	870	1,590	459	1,415	426	929	405
Sitka spruce	4,658	780	3,309	431	1,985	319	1,466	248	1,831	443
Western hemlock	11,928	1,317	7,886	1,275	7,431	1,006	5,736	774	4,991	846
Western redcedar	1,840	487	1,706	470	616	154	795	415	377	130
White spruce	1,635	294	1,002	231	537	144	234	96	138	113
Total	34,025	2,487	22,755	1,787	14,300	1,195	11,532	1,062	9,671	1,202
Hardwoods:										
Black cottonwood	212	90	32	36	--	--	49	44	51	46
Paper birch	49	44	--	--	--	--	--	--	--	--
Quaking aspen	--	--	65	50	--	--	--	--	--	--
Red alder	42	40	--	--	--	--	--	--	--	--
Total	302	108	98	61	--	--	49	44	51	46
All species	34,327	2,488	22,853	1,788	14,300	1,195	11,580	1,063	9,722	1,203

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = fewer than 50 trees were estimated.

^a Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory.

Table A1-9--Number of dead trees^a on forest land, by species and diameter class, coastal Alaska, 2004-2013 (continued)

Species	Diameter class (inches)											
	25.0-26.9		27.0-28.9		29.0-30.9		31.0-32.9		33.0-34.9		35.0-36.9	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand trees</i>												
Softwoods:												
Alaska yellow-cedar	1,119	542	514	151	121	69	218	92	111	66	81	56
Black spruce	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--
Mountain hemlock	1,070	550	278	106	165	95	233	95	138	74	72	53
Sitka spruce	1,361	436	1,299	420	781	187	597	379	380	121	438	129
Western hemlock	3,565	702	3,511	794	2,573	591	2,477	593	1,623	531	1,166	210
Western redcedar	441	140	237	96	1,061	548	277	103	161	79	108	65
White spruce	108	67	--	--	--	--	33	36	--	--	--	--
Total	7,665	1,082	5,840	920	4,701	818	3,834	701	2,414	559	1,866	264
Hardwoods:												
Black cottonwood	29	34	--	--	--	--	--	--	--	--	--	--
Paper birch	--	--	--	--	--	--	--	--	--	--	--	--
Quaking aspen	--	--	--	--	--	--	--	--	--	--	--	--
Red alder	--	--	--	--	--	--	--	--	--	--	--	--
Total	29	34	--	--	--	--	--	--	--	--	--	--
All species	7,694	1,082	5,840	920	4,701	818	3,834	701	2,414	559	1,866	264

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = fewer than 50 trees were estimated.

^a Includes all live trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory.

Table A1-9--Number of dead trees^a on forest land, by species and diameter class, coastal Alaska, 2004-2013 (continued)

Species	Diameter class (inches)															
	37.0-38.9		39.0-40.9		41.0-42.9		43.0-44.9		45.0-46.9		47.0-48.9		49.0 +		All classes	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand trees																
Softwoods:																
Alaska yellow-cedar	75	53	--	--	31	35	--	--	--	--	--	--	--	--	138,057	11,603
Black spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6,479	988
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19,382	2,798
Mountain hemlock	66	51	--	--	--	--	--	--	--	--	--	--	--	--	70,774	6,204
Sitka spruce	251	99	234	95	121	69	191	85	550	389	172	81	499	138	74,455	5,194
Western hemlock	513	140	303	107	166	81	623	406	259	100	110	65	299	108	198,109	10,854
Western redcedar	108	65	50	44	25	32	90	59	45	42	45	42	144	75	34,476	4,743
White spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	47,904	4,257
Total	1,014	196	586	158	342	126	903	419	854	404	328	112	942	196	589,791	19,906
Hardwoods:																
Black cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,441	1,061
Paper birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,558	672
Quaking aspen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,734	813
Red alder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,459	945
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14,231	1,781
All species	1,014	196	586	158	342	126	903	419	854	404	328	112	942	196	604,022	19,891

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = fewer than 50 trees were estimated.

^a Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory.

Table A1-10--Number of growing stock trees^a on timberland, by species and diameter class, coastal Alaska, 2004-2013

Species	Diameter class (inches)															
	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	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand trees</i>																
Softwoods:																
Alaska yellow-cedar	12,867	1,439	10,227	1,121	8,987	1,106	6,839	807	6,605	740	4,432	572	4,046	523	2,775	392
Black spruce	3,025	1,162	376	160	39	38	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	1,642	451	1,419	366	700	248	1,080	277	548	176	370	132	142	74	116	67
Mountain hemlock	35,659	6,351	24,138	4,009	19,684	4,239	14,998	3,204	10,584	2,539	10,253	3,493	5,084	729	3,263	839
Sitka spruce	62,081	5,643	38,969	3,119	30,454	2,340	22,536	1,783	18,514	1,764	14,811	1,096	11,206	870	7,516	724
Western hemlock	124,915	5,716	84,666	3,850	59,902	2,943	41,198	2,118	30,449	1,643	22,319	1,241	16,471	1,032	13,593	942
Western redcedar	6,832	1,032	5,793	848	4,805	713	4,408	705	3,796	572	2,756	450	2,880	460	1,728	334
White spruce	12,058	1,846	7,289	1,035	3,903	698	1,674	325	620	169	292	120	311	160	--	--
Total	259,387	11,866	173,010	7,343	128,535	6,356	92,804	4,572	71,156	4,038	55,264	3,985	40,172	1,822	28,991	1,597
Hardwoods:																
Black cottonwood	4,198	1,144	3,573	968	2,906	702	1,805	429	1,568	394	1,298	309	871	237	510	187
Paper birch	5,544	1,345	3,847	759	3,357	645	2,345	488	1,047	251	801	263	354	152	171	82
Quaking aspen	843	505	614	379	229	108	343	226	188	81	--	--	76	54	--	--
Red alder	5,810	1,581	4,566	1,162	1,694	450	947	224	502	212	424	140	83	81	67	51
Total	16,460	2,464	12,600	1,747	8,186	1,070	5,440	747	3,305	521	2,523	431	1,385	303	748	210
All species	275,848	12,286	185,609	7,652	136,721	6,492	98,243	4,646	74,460	4,082	57,787	4,005	41,557	1,842	29,739	1,612

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = fewer than 50 trees were estimated.

^a Includes live growing stock trees of commercial species that are ≥ 5 inches in diameter at breast height; excludes trees that are classified as rough or rotten cull.

Table A1-10--Number of growing stock trees^a on timberland, by species and diameter class, coastal Alaska, 2004-2013 (continued)

Species	Diameter class (inches)															
	21.0-22.9		23.0-24.9		25.0-26.9		27.0-28.9		29.0-30.9		31.0-32.9		33.0-34.9		35.0-36.9	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Thousand trees</i>																
Softwoods:																
Alaska yellow-cedar	2,538	394	1,316	226	1,063	216	895	191	594	174	495	137	293	135	192	85
Black spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	28	34	41	40	29	33	--	--	--	--	--	--	--	--	--	--
Mountain hemlock	3,813	1,135	1,455	446	1,415	752	860	414	350	126	409	136	215	92	205	89
Sitka spruce	7,501	1,001	5,732	531	4,598	482	4,211	595	2,810	385	2,032	296	1,861	289	1,285	244
Western hemlock	10,067	770	8,058	662	7,605	640	4,794	478	4,405	443	2,947	372	2,352	324	1,699	266
Western redcedar	1,750	331	1,464	290	931	204	736	185	401	133	528	141	247	114	390	130
White spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	25,697	2,103	18,112	1,041	15,642	1,152	11,527	1,067	8,559	647	6,411	550	4,968	474	3,770	406
Hardwoods:																
Black cottonwood	459	199	348	157	286	132	212	90	29	34	56	46	37	38	39	38
Paper birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Quaking aspen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Red alder	--	--	50	44	73	76	--	--	--	--	--	--	--	--	--	--
Total	459	199	398	163	359	153	212	90	29	34	56	46	37	38	39	38
All species	26,155	2,118	18,510	1,061	16,001	1,163	11,739	1,070	8,588	648	6,467	560	5,005	476	3,809	408

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = fewer than 50 trees were estimated.

^a Includes live growing stock trees of commercial species that are >= 5 inches in diameter at breast height; excludes trees that are classified as rough or rotten cull.

Table A1-10--Number of growing stock trees^a on timberland, by species and diameter class, coastal Alaska, 2004-2013 (continued)

Species	Diameter class (inches)														All classes	
	37.0-38.9		39.0-40.9		41.0-42.9		43.0-44.9		45.0-46.9		47.0-48.9		49.0 +			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand trees																
Softwoods:																
Alaska yellow-cedar	205	88	--	--	--	--	64	50	--	--	--	--	29	34	64,460	5,461
Black spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,439	1,277
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6,115	1,213
Mountain hemlock	29	34	151	94	202	102	55	46	--	--	--	--	--	--	132,822	26,280
Sitka spruce	900	202	705	164	609	153	635	164	604	151	525	151	980	201	241,077	13,961
Western hemlock	885	191	1,005	206	424	128	328	113	269	102	177	83	227	107	438,754	16,222
Western redcedar	304	107	218	92	181	84	136	73	151	77	25	32	320	110	40,778	4,464
White spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	26,148	3,414
Total	2,323	315	2,079	295	1,417	249	1,218	227	1,025	203	727	174	1,556	249	954,348	38,815
Hardwoods:																
Black cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18,194	3,549
Paper birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17,467	2,711
Quaking aspen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,293	987
Red alder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14,215	2,895
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--	52,234	5,462
All species	2,323	315	2,079	295	1,417	249	1,218	227	1,025	203	727	174	1,556	249	1,006,582	39,502

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = fewer than 50 trees were estimated.

^a Includes live growing stock trees of commercial species that are >= 5 inches in diameter at breast height; excludes trees that are classified as rough or rotten cull.

Table A1-11--Net volume of live trees^a on forest land, by ownership and land status, coastal Alaska, 2004-2013

Ownership	Land status													
	Unreserved forests						Reserved forests							
	Timberland		Other forest		Total		Productive		Other forest		Total		All forest land	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Million cubic feet</i>														
Federal Government:														
Chugach National Forest	2,275.4	654.8	916.2	206.3	3,191.6	681.4	--	--	--	--	--	--	3,191.6	681.4
Tongass National Forest	20,630.1	807.3	5,843.7	339.9	26,473.9	742.7	12,605.6	1,646.2	4,716.3	805.8	17,321.9	1,462.7	43,795.7	1,582.6
U.S. Fish and Wildlife Service	--	--	--	--	--	--	645.2	91.3	202.4	42.0	847.5	95.1	847.5	95.1
Other federal	360.8	162.7	89.6	44.0	450.4	168.0	221.6	78.3	40.4	27.6	262.0	81.9	712.4	182.9
Total Federal	23,266.3	1,051.3	6,849.5	399.7	30,115.8	1,020.1	13,472.5	1,650.5	4,959.0	807.4	18,431.5	1,468.0	48,547.3	1,584.7
State and Local Government:														
State	3,107.2	301.3	445.4	94.7	3,552.6	303.1	425.0	136.4	54.3	33.6	479.3	138.3	4,031.9	303.1
Local	376.9	117.7	64.0	40.4	440.9	123.4	--	--	--	--	--	--	440.9	123.4
Total	3,484.1	315.0	509.4	101.1	3,993.4	314.9	425.0	136.4	54.3	33.6	479.3	138.3	4,472.7	314.1
Private:	3,374.5	341.5	509.3	69.2	3,883.8	340.1	--	--	--	--	--	--	3,883.8	340.1
All owners	30,124.8	1,124.6	7,868.2	416.0	37,993.1	1,085.1	13,897.4	1,656.2	5,013.3	808.1	18,910.7	1,474.4	56,903.8	1,623.4

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50,000 cubic feet was estimated.

^a Includes all live trees >= 5 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-12--Gross volume of dead trees^a on forest land, by ownership and land status, coastal Alaska, 2004-2013

Ownership	Land status													
	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Million cubic feet														
Federal Government:														
Chugach National Forest	299.0	80.6	181.0	63.4	480.1	100.8	--	--	--	--	--	--	480.1	100.8
Tongass National Forest	6,512.3	375.8	2,034.3	151.6	8,546.7	371.5	3,542.8	545.2	1,028.3	229.2	4,571.2	527.7	13,117.9	633.0
U.S. Fish and Wildlife Service	--	--	--	--	--	--	193.4	29.8	70.6	15.3	264.0	30.9	264.0	30.9
Other federal	55.6	43.9	32.7	18.1	88.2	47.4	53.2	33.8	9.5	7.7	62.7	34.6	150.9	58.3
Total Federal	6,866.9	386.7	2,248.0	165.3	9,115.0	387.6	3,789.4	547.0	1,108.4	229.9	4,897.8	529.7	14,012.8	636.6
State and Local Government:														
State	629.3	81.0	179.2	38.9	808.5	87.0	40.4	18.4	8.1	6.7	48.6	19.4	857.0	88.1
Local	103.8	37.0	27.3	22.0	131.1	42.1	--	--	--	--	--	--	131.1	42.1
Total	733.0	88.4	206.5	44.0	939.5	94.8	40.4	18.4	8.1	6.7	48.6	19.4	988.1	95.7
Private:	795.2	96.0	172.2	29.0	967.5	97.9	--	--	--	--	--	--	967.5	97.9
All owners	8,395.2	403.5	2,626.8	172.9	11,022.0	404.2	3,829.8	547.4	1,116.6	230.0	4,946.4	530.1	15,968.4	646.0

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50,000 cubic feet was estimated.

^a Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory.

Table A1-13--Net cubic volume of live trees^a on forest land, by borough and land status, coastal Alaska, 2004-2013

Borough/Census Area	Land status													
	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Million cubic feet														
Anchorage Municipality	155	56	56	36	210	66	11	8	25	17	35	18	246	68
Haines Borough	1,678	287	290	88	1,968	297	781	707	--	--	781	707	2,749	766
Hoonah-Angoon Census Area	1,548	264	418	103	1,966	281	1,454	665	1,494	519	2,948	826	4,914	871
Juneau City and Borough	1,689	285	556	117	2,245	301	139	62	45	50	184	80	2,429	306
Kenai Peninsula Borough	1,143	154	346	84	1,490	173	449	56	225	48	675	67	2,164	185
Ketchikan Gateway Borough	2,800	401	844	150	3,644	422	4,820	1,387	1,395	566	6,215	1,402	9,859	1,464
Kodiak Island Borough	1,446	198	24	13	1,470	197	372	111	47	32	419	113	1,889	205
Petersburg Borough	2,554	364	826	145	3,380	384	143	80	180	137	323	158	3,703	414
Prince of Wales-Hyder Census Area	7,936	589	2,013	189	9,949	589	2,566	911	353	220	2,919	930	12,867	1,086
Sitka City and Borough	2,630	359	798	154	3,428	384	1,202	457	512	328	1,714	562	5,142	675
Skagway Municipality	216	90	27	19	243	92	16	18	--	--	16	18	258	93
Valdez-Cordova Census Area	2,828	675	919	208	3,746	702	29	16	--	--	29	16	3,775	703
Wrangell City and Borough	2,480	337	733	120	3,213	352	585	509	738	395	1,323	638	4,535	728
Yakutat City and Borough	1,023	210	19	12	1,042	211	1,331	373	--	--	1,331	373	2,373	410
All boroughs/census areas	30,125	1,125	7,868	416	37,993	1,085	13,897	1,656	5,013	808	18,911	1,474	56,904	1,623

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50,000 cubic feet was estimated.

^a Includes all live trees >= 5 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-14--Net volume of live trees^a on forest land, by forest type and stand size class, coastal Alaska, 2004-2013

Forest type	Stand size class							
	Large-diameter stands		Medium-diameter stands		Small-diameter stands		All classes	
	Total	SE	Total	SE	Total	SE	Total	SE
Million cubic feet								
Softwoods:								
Alaska yellow-cedar	5,929.1	761.5	161.3	102.7	170.9	72.2	6,261.3	764.2
Black spruce	5.5	5.8	33.4	14.0	42.9	8.2	81.8	16.5
Lodgepole pine	159.7	36.6	42.9	15.8	56.6	11.3	259.2	41.1
Mountain hemlock	8,357.3	995.1	178.8	50.6	152.1	24.5	8,688.3	995.3
Sitka spruce	11,078.9	1,249.3	176.3	47.3	60.6	13.5	11,315.8	1,248.5
Western hemlock	22,715.2	1,379.4	82.9	27.4	177.6	91.1	22,975.7	1,377.6
Western redcedar	5,373.8	1,186.3	--	--	13.2	6.1	5,387.1	1,186.3
White spruce	76.5	24.7	99.8	20.1	43.2	10.7	219.4	32.5
Total	53,696.0	1,672.7	775.4	129.8	717.1	120.4	55,188.5	1,625.5
Hardwoods:								
Aspen	58.5	25.2	81.8	30.5	7.7	4.6	148.0	39.1
Cottonwood	734.2	178.8	163.6	94.5	3.0	1.5	900.8	201.4
Paper birch	297.4	58.4	187.5	38.0	24.9	6.4	509.8	66.3
Red alder	78.1	46.8	36.7	18.0	--	--	114.8	50.1
Total	1,188.1	195.3	469.6	107.6	36.6	8.1	1,694.3	220.2
Nonstocked	--	--	--	--	--	--	21.0	4.3
All forest types	54,884.2	1,678.1	1,244.9	167.9	753.7	120.6	56,903.8	1,623.4

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50,000 cubic feet was estimated.

^a Includes all live trees >= 5 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-15--Net volume of live trees^a on forest land, by forest type and ownership group, coastal Alaska, 2004-2013

Forest type	Ownership group									
	USDA Forest Service		Other federal		State and local government		Private		All owners	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Million cubic feet</i>										
Softwoods:										
Alaska yellow-cedar	5,978.0	761.8	24.9	24.5	124.4	49.0	134.0	38.7	6,261.3	764.2
Black spruce	0.2	0.2	71.5	15.6	3.8	3.1	6.3	4.6	81.8	16.5
Lodgepole pine	223.1	35.6	--	--	5.9	4.3	30.2	20.2	259.2	41.1
Mountain hemlock	7,748.7	985.3	167.4	48.5	444.3	114.0	328.0	77.9	8,688.3	995.3
Sitka spruce	7,127.1	1,199.0	304.9	102.0	2,279.4	236.5	1,604.5	245.4	11,315.8	1,248.5
Western hemlock	20,297.3	1,344.0	134.2	81.6	1,191.4	208.4	1,352.8	249.6	22,975.7	1,377.6
Western redcedar	5,196.8	1,184.8	--	--	74.5	41.7	115.7	44.8	5,387.1	1,186.3
White spruce	35.3	16.8	104.6	20.4	44.9	13.1	34.6	14.2	219.4	32.5
Total	46,606.5	1,580.5	807.4	138.0	4,168.6	312.4	3,606.1	340.2	55,188.5	1,625.5
Hardwoods:										
Aspen	--	--	128.2	36.1	3.5	4.4	16.3	14.6	148.0	39.1
Cottonwood	253.8	116.6	363.7	149.8	194.0	62.3	89.3	28.4	900.8	201.4
Paper birch	15.0	11.5	257.6	45.0	84.3	37.2	152.9	32.2	509.8	66.3
Red alder	100.9	48.6	--	--	--	--	13.8	12.3	114.8	50.1
Total	373.7	126.9	749.6	159.5	298.7	73.5	272.3	46.2	1,694.3	220.2
Nonstocked	7.2	2.7	3.0	1.6	5.3	2.1	5.5	2.0	21.0	4.3
All forest types	46,987.3	1,572.7	1,560.0	206.0	4,472.7	314.1	3,883.8	340.1	56,903.8	1,623.4

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50,000 cubic feet was estimated.

^a Includes all live trees >= 5 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-16--Net volume of live trees^a on forest land, by species and diameter class, coastal Alaska, 2004-2013

Forest type	Diameter class (inches)																					
	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		21.0-22.9		23.0-24.9		25.0-26.9	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Million cubic feet																						
Softwoods:																						
Alaska yellow-cedar	324.2	40.2	567.4	72.2	680.4	85.8	734.0	89.5	797.7	118.4	639.4	94.5	645.0	89.9	404.9	72.8	366.0	59.1	237.9	43.4	115.7	22.9
Black spruce	46.1	8.5	17.8	4.0	4.9	1.7	6.5	3.0	2.2	1.7	0.5	0.5	1.1	1.1	--	--	--	--	--	--	--	--
Lodgepole pine	27.5	4.3	48.1	8.2	46.1	8.0	46.6	8.6	28.5	7.3	15.1	4.6	18.3	5.0	11.8	4.7	13.3	6.1	3.8	3.7	--	--
Mountain hemlock	294.6	35.1	499.2	53.3	757.1	102.7	761.9	96.0	903.9	118.5	954.5	145.1	714.2	96.4	641.5	115.6	676.3	143.6	428.4	86.8	486.8	123.3
Sitka spruce	202.2	23.6	336.6	32.7	483.8	56.5	584.0	63.4	682.5	68.4	739.2	64.3	693.1	68.4	608.9	73.4	637.0	75.6	551.6	70.4	566.8	87.3
Western hemlock	468.0	41.0	764.9	61.9	1,066.9	89.2	1,256.3	102.5	1,279.5	79.2	1,342.3	94.7	1,634.4	153.6	1,426.2	95.1	1,411.2	112.9	1,676.4	182.0	1,588.9	138.7
Western redcedar	152.2	25.4	253.1	44.6	348.6	62.4	430.0	76.3	428.8	84.1	379.6	83.1	458.6	133.2	319.5	80.3	215.7	45.5	292.7	95.7	361.2	179.8
White spruce	42.6	6.4	54.4	7.8	42.0	7.7	32.5	6.5	20.5	4.8	11.6	4.9	7.0	3.1	1.3	1.3	4.3	4.0	--	--	--	--
Total	1,557.4	56.2	2,541.5	85.6	3,429.7	127.4	3,851.7	140.0	4,143.7	157.6	4,082.4	177.0	4,171.8	213.1	3,414.1	178.3	3,323.7	195.9	3,190.7	219.0	3,119.4	258.3
Hardwoods:																						
Aspen	21.1	5.9	28.2	8.1	34.3	11.1	32.1	9.8	15.6	5.8	11.4	5.8	4.0	2.4	1.2	1.3	--	--	--	--	--	--
Cottonwood	24.5	6.9	65.5	25.3	76.0	18.5	79.3	22.4	102.0	35.7	69.3	16.3	66.6	15.1	49.9	15.3	64.5	25.5	44.2	20.2	63.9	23.3
Paper birch	59.5	9.2	82.6	11.5	94.7	14.0	88.8	13.7	50.7	10.0	48.3	11.3	41.4	10.4	15.7	6.0	8.5	4.6	5.8	3.4	4.7	5.3
Red alder	7.1	3.1	15.7	7.9	14.1	5.8	9.2	4.0	11.2	4.9	5.3	2.9	5.0	3.8	4.3	3.3	6.6	5.0	--	--	--	--
Total	112.4	13.1	193.9	29.8	220.2	26.1	210.5	28.1	181.9	37.8	137.9	20.8	117.0	18.8	72.8	16.8	81.8	26.5	50.0	20.5	68.6	23.9
Nonstocked	3.3	0.8	5.3	1.3	4.2	1.1	0.3	0.3	1.3	1.2	3.5	1.8	2.4	1.6	0.8	1.0	--	--	--	--	--	--
All forest types	1,673.0	56.6	2,740.6	86.8	3,654.1	127.7	4,062.5	140.6	4,326.9	158.6	4,223.7	177.8	4,291.2	213.6	3,487.7	178.7	3,405.6	197.5	3,240.7	219.9	3,188.0	259.4

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50,000 cubic feet was estimated.

^a Includes all live trees >= 5 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-16--Net volume of live trees^a on forest land, by species and diameter class, coastal Alaska, 2004-2013 (continued)

	Diameter class (inches)																								All classes	
	27.0-28.9		29.0-30.9		31.0-32.9		33.0-34.9		35.0-36.9		37.0-38.9		39.0-40.9		41.0-42.9		43.0-44.9		45.0-46.9		47.0-48.9		49.0 +			
Species	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Million cubic feet																										
Softwoods:																										
Alaska yellow-cedar	137.6	63.6	82.8	25.7	155.1	82.1	122.9	61.6	162.7	135.8	33.2	16.4	14.0	11.6	4.3	4.4	36.2	24.1	--	--	--	--	--	--	6,261.3	764.2
Black spruce	2.8	2.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	81.8	16.5
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	259.2	41.1
Mountain hemlock	312.9	113.2	333.9	103.5	212.4	78.1	75.6	25.8	142.0	69.4	23.4	14.8	94.8	38.8	51.9	26.5	35.6	21.3	189.6	116.1	--	--	97.9	94.3	8,688.3	995.3
Sitka spruce	743.8	130.4	650.8	146.9	568.0	208.4	541.3	189.7	403.4	125.1	259.9	64.4	205.8	124.8	181.1	57.1	387.0	188.8	223.0	68.6	179.1	66.6	886.7	326.2	11,315.8	1,248.5
Western hemlock	1,315.1	146.2	1,303.7	203.2	1,246.5	218.0	1,008.5	147.4	896.6	168.3	581.4	122.5	529.8	85.6	328.8	75.8	314.0	73.3	404.0	156.8	222.1	68.6	910.3	345.5	22,975.7	1,377.6
Western redcedar	203.7	87.5	445.0	314.9	82.2	23.3	66.5	26.7	55.8	18.5	42.7	16.4	116.6	83.1	124.7	78.5	84.4	57.2	22.3	11.8	10.1	9.3	492.9	299.6	5,387.1	1,186.3
White spruce	--	--	3.2	3.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	219.4	32.5
Total	2,715.9	230.5	2,819.5	397.1	2,264.2	315.8	1,814.8	246.5	1,660.5	257.7	940.6	140.0	960.9	170.9	690.7	125.4	857.2	212.4	839.0	206.6	411.2	95.7	2,387.9	523.1	55,188.5	1,625.5
Hardwoods:																										
Aspen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	148.0	39.1
Cottonwood	35.8	13.7	24.1	27.5	36.8	30.4	36.2	16.5	39.7	28.3	--	--	9.2	9.9	--	--	--	--	--	--	13.3	14.3	--	--	900.8	201.4
Paper birch	2.5	2.7	6.5	7.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	509.8	66.3
Red alder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	36.3	27.6	--	--	--	--	--	--	--	--	114.8	50.1
Total	38.4	14.0	30.6	28.5	36.8	30.4	36.2	16.5	46.5	29.1	--	--	9.2	9.9	36.3	27.6	--	--	--	--	13.3	14.3	--	--	1,694.3	220.2
Nonstocked	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21.0	4.3
All forest types	2,754.3	230.8	2,850.1	397.9	2,301.0	317.3	1,851.0	247.1	1,707.0	259.3	940.6	140.0	970.2	171.1	727.1	128.4	857.2	212.4	839.0	206.6	424.6	96.8	2,387.9	523.1	56,903.8	1,623.4

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50,000 cubic feet was estimated.

^a Includes all live trees >= 5 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-17--Average net volume per acre of live trees^a on forest land, by forest type and stand age class, coastal Alaska, 2004-2013

Forest type	Stand age class (years)													
	1-20		21-40		41-60		61-80		81-100		101-120		121-140	
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
Cubic feet per acre														
Softwoods:														
Alaska yellow-cedar	--	--	--	--	--	--	--	--	66.3	66.3	--	--	14.0	14.0
Black spruce	--	--	27.9	27.9	30.7	24.6	2.3	2.3	--	--	8.7	8.7	--	--
Lodgepole pine	--	--	--	--	2.5	2.5	159.6	159.6	369.1	390.8	3.8	3.8	20.0	20.0
Mountain hemlock	0.5	0.5	--	--	--	--	--	--	165.0	106.8	709.3	337.0	310.9	177.9
Sitka spruce	232.4	115.4	1,044.0	245.7	1,354.5	359.3	3,732.2	845.0	3,255.8	491.3	3,716.0	1,119.6	5,263.9	962.0
Western hemlock	152.9	67.7	976.3	216.8	3,345.0	995.7	3,205.2	1,417.7	4,361.9	942.9	5,480.9	546.3	6,557.2	922.7
Western redcedar	775.4	728.2	668.9	668.9	--	--	--	--	--	--	2,090.4	2,090.4	826.6	826.6
White spruce	3.7	2.7	212.3	120.7	157.3	80.8	161.2	57.6	29.9	24.7	392.8	148.1	--	--
Total	150.1	54.2	729.5	140.5	713.8	183.0	983.5	270.5	1,657.0	266.8	2,377.5	385.5	1,933.6	408.1
Hardwoods:														
Aspen	6.1	6.1	--	--	17.8	17.8	430.5	357.7	216.0	216.0	--	--	--	--
Cottonwood	--	--	123.6	87.4	758.5	273.1	1,391.9	505.5	1,908.1	896.7	6,055.1	3,919.0	303.1	244.8
Paper birch	--	--	357.2	200.9	159.6	89.1	604.5	328.8	649.3	186.0	598.3	180.2	304.5	196.2
Red alder	--	--	1,712.4	583.0	3,911.8	3,911.8	2,827.2	393.3	--	--	--	--	--	--
Total	2.1	2.1	321.2	139.2	548.0	182.7	886.8	240.6	932.3	287.7	1,405.2	724.2	241.5	132.8
All forest types	139.2	49.7	632.9	118.6	668.9	141.1	961.0	214.4	1,488.5	216.9	2,183.4	332.8	1,760.5	356.4

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 0.005 cubic feet per acre was estimated; the average was calculated using a ratio of means formula across plots within forest type groups.

^a Includes all live trees >= 5 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-17--Average net volume per acre of live trees^a on forest land, by forest type and stand age class, coastal Alaska, 2004-2013 (continued)

Forest type	Stand age class (years)										All classes	
	141-160		161-180		181-200		201 plus		Unknown			
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
Cubic feet per acre												
Softwoods:												
Alaska yellow-cedar	256.4	192.4	590.1	362.8	851.6	494.7	794.0	144.5	--	--	681.5	109.5
Black spruce	--	--	--	--	--	--	--	--	--	--	12.4	7.2
Lodgepole pine	55.5	47.0	49.4	49.4	14.7	14.7	24.9	22.2	--	--	57.8	29.8
Mountain hemlock	168.0	112.7	2,443.9	1,033.4	38.4	35.2	1,174.6	381.8	--	--	763.9	201.7
Sitka spruce	6,859.4	831.4	6,286.9	1,790.4	7,575.3	2,498.7	3,970.3	863.0	153.6	10.0	3,644.7	314.5
Western hemlock	4,964.5	689.9	3,300.9	927.7	3,838.8	883.9	4,447.0	384.0	--	--	4,017.0	243.2
Western redcedar	1,029.9	995.7	3,502.2	997.0	2,580.8	751.9	1,490.9	343.7	--	--	1,680.8	293.6
White spruce	--	--	699.9	699.9	--	--	--	--	11.5	11.5	163.1	37.8
Total	2,431.8	406.5	2,538.3	458.5	2,191.4	369.0	2,466.3	150.0	52.5	31.0	2,100.5	85.5
Hardwoods:												
Aspen	--	--	--	--	--	--	--	--	--	--	149.6	106.1
Cottonwood	4,652.1	3,132.6	--	--	--	--	3,166.1	2,694.7	--	--	1,360.0	437.6
Paper birch	788.8	295.5	--	--	--	--	408.9	408.9	--	--	485.5	84.5
Red alder	468.7	468.7	--	--	--	--	--	--	--	--	1,398.4	451.5
Total	1,648.6	954.6	--	--			1,854.1	1,434.8	--	--	788.5	152.9
All forest types	2,382.3	382.8	2,529.1	456.5	2,191.4	369.0	2,464.8	149.7	39.6	8.6	1,960.7	77.3

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 0.005 cubic feet per acre was estimated; the average was calculated using a ratio of means formula across plots within forest type groups.

^a Includes all live trees >= 5 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-18--Average gross volume per acre of dead trees^a on forest land, by forest type and stand age class, coastal Alaska, 2004-2013

Forest type	Stand age class (years)													
	1-20		21-40		41-60		61-80		81-100		101-120		121-140	
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
Cubic feet per acre														
Softwoods:														
Alaska yellow-cedar	--	--	157.0	72.9	613.8	311.4	176.1	70.2	179.2	71.0	343.8	119.8	328.5	144.3
Black spruce	--	--	12.1	6.1	28.7	10.7	44.3	32.9	196.6	128.1	41.2	13.1	31.7	13.1
Lodgepole pine	--	--	--	--	45.0	45.0	100.9	70.4	214.8	62.2	244.7	126.1	127.4	55.2
Mountain hemlock	--	--	--	--	0.8	0.8	1.1	0.8	105.0	49.7	236.9	133.5	146.2	68.5
Sitka spruce	321.5	154.2	116.7	69.6	589.5	249.9	726.9	459.7	614.3	176.0	331.1	145.2	1,595.0	459.4
Western hemlock	256.4	76.6	481.2	137.5	285.1	79.3	399.4	232.2	1,497.5	424.9	2,525.6	630.4	1,709.1	315.8
Western redcedar	1,326.0	1,326.0	163.4	163.4	--	--	--	--	169.3	103.4	1,933.9	522.3	581.6	167.7
White spruce	55.3	28.8	392.5	304.6	372.7	109.8	502.7	113.9	542.6	177.2	650.6	222.3	425.5	129.3
Total	235.7	78.5	243.6	62.2	294.3	81.5	297.8	113.5	479.6	90.5	793.5	184.1	626.3	134.0
Hardwoods:														
Aspen	39.4	39.4	3.8	3.8	320.0	272.8	435.5	125.3	393.4	157.9	646.5	158.5	304.1	91.1
Cottonwood	--	--	--	--	78.4	58.6	70.4	35.0	198.2	134.7	93.8	72.5	94.7	94.7
Paper birch	179.1	78.4	18.6	10.6	108.0	69.7	280.7	143.3	468.0	116.3	302.1	83.3	328.1	80.1
Red alder	--	--	6.9	6.9	1,139.1	1,139.1	1,671.8	696.1	--	--	4,448.5	4,448.5	--	--
Total	83.2	43.9	6.5	3.9	119.7	51.3	297.1	87.9	388.2	82.7	551.4	203.1	266.0	58.7
All forest types	224.4	72.2	187.4	48.9	246.9	59.9	297.7	89.4	458.4	72.1	745.2	151.3	589.5	118.1

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 0.005 cubic feet per acre was estimated; the average was calculated using a ratio of means formula across plots within forest type groups.

^a Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory.

Table A1-18--Average gross volume per acre of dead trees^a on forest land, by forest type and stand age class, coastal Alaska, 2004-2013 (continued)

Forest type	Stand age class (years)										Unknown		All classes	
	141-160		161-180		181-200		201 plus							
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE		
Cubic feet per acre														
Softwoods:														
Alaska yellow-cedar	699.1	205.3	664.3	149.1	953.3	360.2	1,166.5	207.9	--	--	1,008.4	152.3		
Black spruce	13.1	5.1	--	--	--	--	--	--	--	--	55.4	20.3		
Lodgepole pine	289.8	133.4	361.3	89.9	195.9	88.8	231.2	55.0	--	--	211.5	30.2		
Mountain hemlock	472.3	211.6	830.9	147.5	804.9	227.8	585.0	70.0	--	--	449.8	52.5		
Sitka spruce	1,073.1	195.8	724.7	276.3	1,636.8	483.4	1,962.0	346.4	269.2	269.2	1,036.1	140.6		
Western hemlock	3,359.2	909.0	2,111.6	323.8	1,530.1	205.1	2,075.6	134.7	--	--	1,893.0	100.5		
Western redcedar	3,683.5	1,029.1	2,169.6	304.9	1,661.1	251.5	1,632.4	196.1	--	--	1,757.7	212.0		
White spruce	417.5	206.6	84.9	84.9	849.0	849.0	--	--	1,123.1	353.3	449.5	59.9		
Total	1,389.6	280.6	1,307.1	160.8	1,195.9	106.8	1,463.2	81.5	876.6	339.8	1,118.9	48.3		
Hardwoods:														
Aspen	256.0	256.0	--	--	--	--	--	--	--	--	333.8	69.7		
Cottonwood	258.8	164.4	--	--	--	--	1,267.0	1,267.0	--	--	104.5	38.5		
Paper birch	773.9	273.7	585.3	585.3	--	--	--	--	285.1	238.7	312.0	44.9		
Red alder	1,014.7	1,014.7	--	--	--	--	--	--	--	--	1,699.3	711.8		
Total	582.6	175.5	585.3	585.3			881.5	312.4	285.1	238.7	288.9	44.9		
All forest types	1,338.6	264.4	1,304.5	160.2	1,195.9	106.8	1,461.7	81.3	441.6	89.6	1,043.0	43.5		

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 0.005 cubic feet per acre was estimated; the average was calculated using a ratio of means formula across plots within forest type groups.

^a Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory.

Table A1-19--Net volume of growing stock trees^a on timberland, by species and diameter class, coastal Alaska, 2004-2013

Species	Diameter class (inches)															
	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	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Million cubic feet</i>																
Softwoods:																
Alaska yellow-cedar	26.1	3.1	56.9	6.4	91.2	11.4	113.3	13.4	161.7	18.0	149.0	19.5	186.4	25.1	162.2	23.6
Black spruce	6.1	2.4	1.5	0.7	0.3	0.3	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	3.2	0.9	8.3	2.4	7.2	2.7	19.0	4.7	12.8	4.2	13.1	4.9	5.3	2.7	5.7	3.3
Mountain hemlock	70.8	13.7	121.9	21.5	200.2	50.0	246.3	55.9	257.3	68.0	342.7	121.3	223.8	32.8	172.5	42.3
Sitka spruce	150.7	14.3	232.1	18.6	343.2	27.4	425.0	35.7	523.2	50.3	581.3	43.9	607.9	48.6	545.0	56.1
Western hemlock	310.5	15.6	511.8	25.2	713.9	38.2	808.5	45.8	882.6	50.6	893.1	51.7	885.0	58.1	977.5	69.4
Western redcedar	13.3	2.1	28.7	4.4	43.5	6.5	62.1	10.2	80.9	12.6	82.7	14.0	112.0	18.5	77.6	15.5
White spruce	24.5	3.8	33.9	4.8	35.5	6.6	24.4	4.9	13.0	3.5	9.1	3.7	13.6	6.8	--	--
Total	605.9	28.8	996.1	43.8	1,435.7	76.2	1,699.9	85.9	1,932.4	110.7	2,072.5	142.9	2,035.6	95.7	1,940.6	106.6
Hardwoods:																
Black cottonwood	5.3	1.4	16.3	4.8	26.9	7.0	27.6	7.1	35.4	9.2	42.1	11.2	37.4	11.2	27.9	10.6
Paper birch	13.7	3.9	21.4	4.7	32.7	6.3	35.4	7.5	21.1	5.4	22.8	8.0	13.3	5.6	5.9	2.9
Quaking aspen	2.0	1.3	2.9	1.6	2.7	1.3	6.6	4.4	3.9	1.7	--	--	2.6	1.9	--	--
Red alder	13.9	3.7	30.0	8.5	21.2	5.8	19.0	4.7	13.9	6.0	16.5	5.6	4.6	4.5	4.4	3.4
Total	35.0	5.7	70.6	11.0	83.6	11.3	88.6	12.6	74.4	12.4	81.4	14.9	57.9	13.6	38.2	11.4
All species	640.9	29.8	1,066.6	45.8	1,519.4	77.6	1,788.5	87.2	2,006.8	111.7	2,153.9	143.7	2,093.5	96.5	1,978.7	107.5

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50,000 cubic feet was estimated.

^a Includes live growing stock trees of commercial species that are >= 5 inches in diameter at breast height; excludes trees that are classified as rough or rotten cull.

Table A1-19--Net volume of growing stock trees^a on timberland, by species and diameter class, coastal Alaska, 2004-2013 (continued)

Species	Diameter class (inches)															
	21.0-22.9		23.0-24.9		25.0-26.9		27.0-28.9		29.0-30.9		31.0-32.9		33.0-34.9		35.0-36.9	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Million cubic feet</i>																
Softwoods:																
Alaska yellow-cedar	189.4	30.7	113.3	20.4	107.2	22.1	112.5	24.9	81.1	25.3	80.5	23.7	52.3	26.7	42.6	19.0
Black spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lodgepole pine	1.4	1.6	3.8	3.7	2.4	2.7	--	--	--	--	--	--	--	--	--	--
Mountain hemlock	273.2	80.6	124.0	33.7	149.2	81.7	99.3	48.9	48.0	18.2	65.5	23.1	42.9	18.8	45.4	20.5
Sitka spruce	654.3	85.6	610.2	58.8	638.0	68.8	632.9	84.5	524.1	72.6	446.5	67.7	462.5	71.9	373.5	73.3
Western hemlock	885.3	70.9	841.1	71.5	976.7	86.0	717.8	73.2	742.3	78.5	614.7	77.9	544.7	76.1	453.2	72.7
Western redcedar	100.8	19.8	101.4	20.5	65.3	14.8	67.5	18.1	43.9	15.0	63.0	17.7	37.5	18.6	53.9	18.5
White spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2,104.3	167.7	1,798.9	104.8	1,938.8	143.9	1,633.9	143.0	1,439.5	113.7	1,270.2	116.1	1,139.8	110.6	968.7	110.2
Hardwoods:																
Black cottonwood	34.3	15.4	31.0	14.4	33.7	16.4	26.0	11.5	3.2	3.9	11.4	9.4	8.3	8.5	6.8	6.7
Paper birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Quaking aspen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Red alder	--	--	7.4	6.6	9.1	9.4	--	--	--	--	--	--	--	--	--	--
Total	34.3	15.4	38.4	15.9	42.8	18.9	26.0	11.5	3.2	3.9	11.4	9.4	8.3	8.5	6.8	6.7
All species	2,138.6	169.1	1,837.3	107.2	1,981.6	145.4	1,659.9	143.4	1,442.8	113.8	1,281.6	118.2	1,148.2	111.0	975.4	110.5

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50,000 cubic feet was estimated.

^a Includes live growing stock trees of commercial species that are >= 5 inches in diameter at breast height; excludes trees that are classified as rough or rotten cull.

Table A1-19--Net volume of growing stock trees^a on timberland, by species and diameter class, coastal Alaska, 2004-2013 (continued)

Species	Diameter class (inches)															
	37.0-38.9		39.0-40.9		41.0-42.9		43.0-44.9		45.0-46.9		47.0-48.9		49.0 +		All classes	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Million cubic feet																
Softwoods:																
Alaska yellow-cedar	37.2	16.8	--	--	--	--	26.9	20.8	--	--	--	--	12.4	14.7	1,802.2	153.1
Black spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.8	3.0
Lodgepole pine	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82.2	16.4
Mountain hemlock	6.5	7.7	36.1	23.9	57.4	30.6	18.8	15.5	--	--	--	--	--	--	2,601.6	566.3
Sitka spruce	327.5	73.9	246.7	58.3	253.5	65.8	286.9	73.4	327.4	83.1	304.1	86.7	929.5	204.5	10,425.9	568.8
Western hemlock	271.0	59.8	321.2	66.9	137.5	43.8	109.5	39.7	109.6	44.3	61.5	30.0	122.6	58.4	12,891.7	566.4
Western redcedar	51.2	18.9	55.3	23.7	38.3	18.4	23.2	13.1	29.8	15.9	6.3	8.1	97.5	38.4	1,335.8	154.4
White spruce	--	--	--	--	--	--	--	--	--	--	--	--	--	--	153.9	22.2
Total	693.4	99.6	659.2	95.1	486.6	90.7	465.2	90.0	466.9	98.3	372.0	91.7	1,162.0	214.6	29,318.3	1,112.9
Hardwoods:																
Black cottonwood	--	--	--	--	--	--	--	--	--	--	--	--	--	--	373.7	84.9
Paper birch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	166.2	28.5
Quaking aspen	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20.7	8.7
Red alder	--	--	--	--	--	--	--	--	--	--	--	--	--	--	140.1	28.9
Total	--	--	--	--	--	--	--	--	--	--	--	--	--	--	700.8	94.4
All species	693.4	99.6	659.2	95.1	486.6	90.7	465.2	90.0	466.9	98.3	372.0	91.7	1,162.0	214.6	30,019.1	1,123.0

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50,000 cubic feet was estimated.

^a Includes live growing stock trees of commercial species that are >= 5 inches in diameter at breast height; excludes trees that are classified as rough or rotten cull.

Table A1-20--Net volume of growing stock trees^a on timberland, by species and ownership group, coastal Alaska, 2004-2013

Species	Ownership group									
	USDA Forest Service		Other federal		State and local government		All private		All owners	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
<i>Million cubic feet</i>										
Softwoods:										
Alaska yellow-cedar	1,736.2	151.0	--	--	31.2	21.6	34.8	14.1	1,802.2	153.1
Black spruce	--	--	--	--	2.1	1.6	5.7	2.5	7.8	3.0
Lodgepole pine	71.9	15.9	0.8	0.8	4.3	2.7	5.2	3.4	82.2	16.4
Mountain hemlock	2,194.1	557.9	--	--	249.0	85.5	158.5	50.6	2,601.6	566.3
Sitka spruce	6,552.3	474.2	142.5	93.6	1,968.0	214.5	1,763.0	225.6	10,425.9	568.8
Western hemlock	10,808.0	519.1	68.9	51.2	926.2	157.5	1,088.5	189.8	12,891.7	566.4
Western redcedar	1,252.5	152.2	--	--	43.0	21.1	40.3	21.0	1,335.8	154.4
White spruce	25.4	9.6	13.5	6.3	51.6	14.0	63.4	14.0	153.9	22.2
Total	22,649.7	1,034.7	225.6	118.2	3,283.5	308.5	3,159.5	335.3	29,318.3	1,112.9
Hardwoods:										
Black cottonwood	55.9	22.8	98.3	62.7	149.7	49.4	69.8	19.7	373.7	84.9
Paper birch	9.1	4.8	30.5	16.0	34.2	10.7	92.4	21.4	166.2	28.5
Quaking aspen	--	--	6.4	4.4	0.2	0.2	14.2	7.6	20.7	8.7
Red alder	108.2	24.3	--	--	4.2	2.8	27.7	15.4	140.1	28.9
Total	173.3	33.7	135.1	65.1	188.3	51.5	204.1	33.8	700.8	94.4
All species	22,823.0	1,037.7	360.7	162.7	3,471.8	314.6	3,363.6	340.9	30,019.1	1,123.0

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50,000 cubic feet was estimated.

^a Includes live growing stock trees of commercial species that are >= 5 inches in diameter at breast height; excludes trees that are classified as rough or rotten cull.

Table A1-21--Aboveground biomass of live trees^a on forest land, by ownership and land status, coastal Alaska, 2004-2013

Ownership	Land status													
	Unreserved forests						Reserved forests							
	Timberland		Other forest		Total		Productive		Other forest		Total		All forest land	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand tons														
Federal Government:														
Chugach National Forest	51,555	14,490	22,167	4,723	73,722	15,105	--	--	--	--	--	--	73,722	15,105
Tongass National Forest	489,086	19,222	145,956	8,085	635,042	17,609	301,655	38,288	118,306	20,549	419,961	34,030	1,055,004	36,959
U.S. Fish and Wildlife Service	--	--	--	--	--	--	20,164	2,064	7,089	1,118	27,253	2,077	27,253	2,077
Other federal	8,036	3,353	2,204	1,029	10,240	3,493	4,681	1,602	1,020	680	5,700	1,712	15,940	3,794
Total Federal	548,677	24,285	170,327	9,411	719,004	23,420	326,499	38,376	126,415	20,591	452,914	34,134	1,171,918	36,630
State and Local Government:														
State	70,905	6,797	10,503	2,149	81,408	6,839	9,475	2,889	1,292	752	10,767	2,939	92,175	6,800
Local	8,681	2,643	1,540	907	10,222	2,771	--	--	--	--	--	--	10,222	2,771
Total	79,586	7,102	12,044	2,289	91,630	7,093	9,475	2,889	1,292	752	10,767	2,939	102,397	7,038
Private:	80,656	7,861	13,590	1,811	94,246	7,829	--	--	--	--	--	--	94,246	7,829
All owners	708,920	25,890	195,961	9,797	904,880	24,809	335,974	38,485	127,707	20,605	463,681	34,259	1,368,561	37,434

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50 bone-dry tons was estimated.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes. Aboveground biomass of the tree from ground to tip, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-22--Aboveground biomass of live trees^a on forest land, by forest type and land status, coastal Alaska, 2004-2013

Forest type	Land status													
	Unreserved						Reserved							
	Timberland		Other forest		Total		Productive		Other forest		Total		All forest land	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand tons														
Softwoods:														
Alaska yellow-cedar	37,448	5,467	54,128	4,786	91,576	7,013	32,270	13,207	34,479	11,713	66,749	17,192	158,325	18,524
Black spruce	352	163	531	240	883	288	3,632	693	2,890	656	6,522	880	7,404	926
Lodgepole pine	685	307	6,500	1,093	7,185	1,125	--	--	401	243	401	243	7,587	1,149
Mountain hemlock	56,282	14,776	74,789	7,121	131,071	16,243	17,275	14,123	64,157	18,402	81,432	21,836	212,503	25,153
Sitka spruce	157,379	12,676	5,490	1,404	162,868	12,717	83,249	24,466	894	689	84,143	24,471	247,011	27,276
Western hemlock	391,787	19,406	33,362	4,803	425,149	19,514	118,503	27,760	14,742	7,599	133,245	27,948	558,394	33,584
Western redcedar	40,845	5,708	18,752	2,982	59,597	6,076	59,897	27,182	8,627	5,382	68,524	27,290	128,121	27,942
White spruce	2,113	528	995	424	3,108	670	3,024	641	359	138	3,383	643	6,491	929
Total	686,891	25,737	194,547	9,789	881,438	24,679	317,850	38,504	126,547	20,603	444,397	34,408	1,325,835	37,536
Hardwoods:														
Aspen	604	397	--	--	604	397	3,011	899	360	231	3,370	921	3,975	1,003
Cottonwood	11,707	3,437	150	153	11,857	3,441	7,965	2,455	--	--	7,965	2,455	19,822	4,206
Paper birch	7,365	1,377	1,080	398	8,445	1,427	5,875	1,091	787	281	6,662	1,116	15,107	1,811
Red alder	1,539	550	--	--	1,539	550	1,247	948	--	--	1,247	948	2,786	1,096
Total	21,686	3,750	1,254	427	22,939	3,770	18,099	2,956	1,146	352	19,245	2,964	42,184	4,769
All forest types	708,920	25,890	195,961	9,797	904,880	24,809	335,974	38,485	127,707	20,605	463,681	34,259	1,368,561	37,434

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50 bone-dry tons was estimated.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes. Aboveground biomass of the tree from ground to tip, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-27--Aboveground biomass of live trees^a on forest land, by forest type and land status, coastal Alaska, 2004-2013 (continued)

Forest type	Land status							
	Reserved							
	Productive		Other forest		Total		All forest land	
	Total	SE	Total	SE	Total	SE	Total	SE
Softwoods:								
Alaska yellow-cedar	32,270	13,207	34,479	11,713	66,749	17,192	158,325	18,524
Black spruce	3,632	693	2,890	656	6,522	880	7,404	926
Lodgepole pine	--	--	401	243	401	243	7,587	1,149
Mountain hemlock	17,275	14,123	64,157	18,402	81,432	21,836	212,503	25,153
Sitka spruce	83,249	24,466	894	689	84,143	24,471	247,011	27,276
Western hemlock	118,503	27,760	14,742	7,599	133,245	27,948	558,394	33,584
Western redcedar	59,897	27,182	8,627	5,382	68,524	27,290	128,121	27,942
White spruce	3,024	641	359	138	3,383	643	6,491	929
Other softwoods	--	--	--	--	--	--	--	--
Total	317,850	38,504	126,547	20,603	444,397	34,408	1,325,835	37,536
Hardwoods:								
Aspen	3,011	899	360	231	3,370	921	3,975	1,003
Cottonwood	7,965	2,455	--	--	7,965	2,455	19,822	4,206
Paper birch	5,875	1,091	787	281	6,662	1,116	15,107	1,811
Red alder	1,247	948	--	--	1,247	948	2,786	1,096
Other hardwoods	--	--	--	--	--	--	23	22
Total	18,099	2,956	1,146	352	19,245	2,964	42,184	4,769
All forest types	335,974	38,485	127,707	20,605	463,681	34,259	1,368,561	37,434

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50 bone-dry tons was estimated.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes. Aboveground biomass of the tree from ground to tip, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-23--Aboveground biomass of dead trees^a on forest land, by ownership and land status, coastal Alaska, 2004-2013

Ownership	Land status													
	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand tons														
Federal Government:														
Chugach National Forest	3,271	721	2,338	629	5,610	934	--	--	--	--	--	--	5,610	934
Tongass National Forest	81,013	4,428	34,236	2,547	115,249	4,513	45,700	6,942	17,105	3,812	62,805	6,912	178,054	8,099
U.S. Fish and Wildlife Service	--	--	--	--	--	--	3,615	490	1,463	294	5,078	506	5,078	506
Other federal	531	302	641	348	1,172	460	660	345	145	118	805	364	1,977	576
Total Federal	84,815	4,495	37,215	2,646	122,031	4,629	49,975	6,968	18,713	3,825	68,688	6,940	190,719	8,091
State and Local Government:														
State	7,836	984	2,933	610	10,769	1,122	568	270	172	140	740	300	11,508	1,142
Local	1,316	455	532	434	1,848	610	--	--	--	--	--	--	1,848	610
Total	9,152	1,073	3,464	737	12,616	1,247	568	270	172	140	740	300	13,356	1,265
Private:	10,606	1,280	3,041	516	13,646	1,336	--	--	--	--	--	--	13,646	1,336
All owners	104,573	4,735	43,721	2,783	148,294	4,872	50,543	6,973	18,884	3,828	69,428	6,946	217,721	8,227

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50 bone-dry tons was estimated.

^a Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory. Aboveground biomass is estimated from ground to actual height, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-24--Aboveground biomass of dead trees^a on forest land, by forest type and land status, coastal Alaska, 2004-2013

Forest type	Land status													
	Unreserved						Reserved							
	Timberland		Other forest		Total		Productive		Other forest		Total		All forest land	
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand tons														
Softwoods:														
Alaska yellow-cedar	8,415	1,466	14,728	1,503	23,143	2,042	10,364	5,406	5,363	1,866	15,727	5,661	38,870	6,011
Black spruce	33	18	35	22	68	29	291	197	285	102	576	221	644	223
Lodgepole pine	243	117	1,365	275	1,608	296	--	--	122	66	122	66	1,730	302
Mountain hemlock	5,946	1,130	7,979	1,040	13,925	1,522	1,760	1,395	5,240	2,092	7,000	2,366	20,925	2,744
Sitka spruce	13,059	1,475	754	298	13,813	1,502	10,907	5,209	151	138	11,059	5,211	24,872	5,417
Western hemlock	60,185	4,129	10,785	1,866	70,970	4,399	16,822	4,050	5,180	2,980	22,002	4,845	92,972	6,467
Western redcedar	12,139	1,853	6,625	1,263	18,763	2,135	6,374	2,805	1,661	1,027	8,036	2,899	26,799	3,586
White spruce	1,463	454	322	150	1,784	478	1,545	369	299	118	1,844	377	3,628	607
Total	101,482	4,728	42,593	2,759	144,075	4,861	48,063	6,963	18,302	3,822	66,365	6,936	210,440	8,215
Hardwoods:														
Aspen	27	18	--	--	27	18	801	274	165	101	967	291	993	291
Cottonwood	492	219	10	12	502	220	207	99	--	--	207	99	709	241
Paper birch	1,342	340	504	213	1,846	396	922	288	255	130	1,177	315	3,023	505
Red alder	123	69	--	--	123	69	396	301	--	--	396	301	520	309
Total	2,031	408	528	214	2,560	455	2,326	500	420	160	2,746	517	5,306	688
All forest types	104,573	4,735	43,721	2,783	148,294	4,872	50,543	6,973	18,884	3,828	69,428	6,946	217,721	8,227

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 50 bone-dry tons was estimated.

^a Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory. Aboveground biomass is estimated from ground to actual height, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-25--Aboveground biomass of live trees^a on forest land, by borough and land status, coastal Alaska, 2004-2013

Borough/Census area	Land status													
	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE		
Thousands tons														
Anchorage Municipality	3,971	1,331	1,383	817	5,354	1,562	335	235	661	424	997	473	6,351	1,616
Haines Borough	37,522	6,300	6,709	1,994	44,231	6,516	15,801	14,295	--	--	15,801	14,295	60,032	15,710
Hoonah-Angoon Census Area	36,256	6,165	10,326	2,428	46,581	6,560	36,860	16,872	34,737	12,039	71,597	20,265	118,178	21,269
Juneau City and Borough	39,724	6,855	13,343	2,739	53,066	7,223	3,259	1,439	1,054	1,168	4,313	1,853	57,380	7,348
Kenai Peninsula Borough	26,797	3,330	8,527	1,874	35,324	3,742	15,975	1,413	7,638	1,268	23,613	1,564	58,937	4,054
Ketchikan Gateway Borough	67,088	9,598	21,339	3,618	88,426	10,098	117,101	33,361	38,527	15,660	155,629	34,338	244,055	35,769
Kodiak Island Borough	31,608	4,011	633	330	32,241	3,987	7,899	2,285	1,089	701	8,988	2,327	41,229	4,113
Petersburg Borough	60,987	8,647	20,366	3,448	81,354	9,122	2,864	1,549	4,296	3,256	7,160	3,604	88,513	9,781
Prince of Wales-Hyder Census Area	190,415	14,082	50,231	4,574	240,646	14,074	63,070	22,284	8,388	4,915	71,458	22,638	312,104	26,317
Sitka City and Borough	63,601	8,737	20,130	3,709	83,731	9,317	30,227	11,195	13,749	8,642	43,975	14,143	127,706	16,813
Skagway Municipality	4,627	1,915	661	472	5,288	1,968	337	383	--	--	337	383	5,624	1,995
Valdez-Cordova Census Area	63,844	14,946	22,923	4,799	86,767	15,598	720	360	13	14	733	359	87,500	15,599
Wrangell City and Borough	58,940	8,033	18,934	2,958	77,875	8,438	12,139	10,487	17,556	9,353	29,695	13,931	107,569	16,247
Yakutat City and Borough	23,541	4,742	457	299	23,997	4,747	29,387	8,894	--	--	29,387	8,894	53,384	9,766
All boroughs/census areas	708,920	25,890	195,961	9,797	904,880	24,809	335,974	38,485	127,707	20,605	463,681	34,259	1,368,561	37,434

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 bone-dry tons was estimated.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes. Aboveground biomass of the tree from ground to tip, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-26--Aboveground biomass of dead trees^a on forest land, by borough and land status, coastal Alaska, 2004-2013

Borough/Census area	Land status												All forest land	
	Unreserved forests						Reserved forests							
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE		
Thousands tons														
Anchorage Municipality	492	268	319	281	811	389	16	16	32	28	49	32	859	390
Haines Borough	4,515	934	1,006	401	5,520	1,007	--	--	--	--	--	--	5,520	1,007
Hoonah-Angoon Census Area	6,920	1,505	1,811	498	8,731	1,569	5,017	2,542	6,929	3,357	11,946	4,156	20,677	4,442
Juneau City and Borough	3,132	617	1,674	540	4,806	802	457	230	29	33	485	233	5,292	829
Kenai Peninsula Borough	6,430	901	1,811	485	8,241	1,001	3,464	478	1,595	316	5,059	509	13,300	1,119
Ketchikan Gateway Borough	11,255	2,381	4,270	916	15,524	2,530	19,654	6,697	3,468	1,551	23,122	6,764	38,646	7,219
Kodiak Island Borough	2,339	404	19	16	2,358	404	391	180	153	138	543	221	2,902	433
Petersburg Borough	10,231	1,790	5,243	1,231	15,473	2,139	73	55	572	454	646	457	16,119	2,186
Prince of Wales-Hyder Census Area	35,315	2,994	16,622	1,800	51,937	3,257	10,825	3,909	1,445	722	12,270	3,956	64,207	5,057
Sitka City and Borough	9,177	1,551	3,693	979	12,869	1,807	7,561	3,234	1,626	967	9,187	3,375	22,056	3,815
Skagway Municipality	74	40	36	27	110	48	101	115	--	--	101	115	211	123
Valdez-Cordova Census Area	3,719	746	2,950	659	6,669	980	306	226	--	--	306	226	6,975	1,002
Wrangell City and Borough	8,929	1,520	4,172	895	13,101	1,742	995	814	3,036	1,493	4,031	1,676	17,132	2,410
Yakutat City and Borough	2,047	585	96	71	2,143	590	1,683	512	--	--	1,683	512	3,826	761
All boroughs/census areas	104,573	4,735	43,721	2,783	148,294	4,872	50,543	6,973	18,884	3,828	69,428	6,946	217,721	8,227

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 bone-dry tons was estimated.

^a Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory. Aboveground biomass is estimated from ground to actual height, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-27--Average aboveground biomass per acre of live trees^a on forest land, by forest type and ownership group, coastal Alaska, 2004-2013

Forest type	Ownership group									
	USDA Forest Service		Other federal		State and local government		Private		All owners	
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
<i>Tons per acre</i>										
Softwoods:										
Alaska yellow-cedar	69.5	4.7	118.5	118.5	65.8	12.0	40.1	6.3	68.5	4.4
Black spruce	2.2	2.2	17.1	1.6	6.1	2.0	10.5	3.2	15.3	1.4
Lodgepole pine	17.2	1.7	--	--	6.1	2.1	42.2	9.3	17.6	1.7
Mountain hemlock	69.7	6.7	41.2	6.4	64.9	11.0	42.2	7.3	67.0	5.8
Sitka spruce	161.8	12.0	116.8	16.4	102.7	7.0	74.3	8.5	124.8	7.6
Western hemlock	145.4	5.3	200.3	3.4	136.4	11.5	88.8	12.0	139.6	4.7
Western redcedar	131.9	17.4	--	--	67.3	23.0	42.8	9.9	124.6	16.2
White spruce	27.6	5.0	15.0	2.1	9.3	1.8	15.9	4.5	14.5	1.5
Total	105.6	3.5	30.6	3.2	84.7	5.0	64.6	4.9	95.7	2.7
Hardwoods:										
Aspen	--	--	31.0	4.6	17.6	17.6	21.2	12.8	28.9	4.3
Cottonwood	43.5	10.1	80.7	23.9	51.3	10.9	24.4	4.7	50.2	7.9
Paper birch	22.2	12.4	33.1	3.3	26.4	8.6	22.4	3.0	27.7	2.3
Red alder	69.9	13.5	--	--	--	--	70.2	70.2	69.9	12.1
Total	46.1	8.2	42.8	6.1	37.9	6.7	23.5	2.6	37.2	3.1
Nonstocked	2.5	0.9	1.4	0.6	1.8	0.5	1.3	0.3	1.7	0.3
All forest types	103.9	3.4	33.5	2.9	73.3	4.3	53.5	3.9	89.4	2.5

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 0.005 bone-dry tons per acre was estimated; the average was calculated using a ratio of means formula across plots within forest type groups.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes. Aboveground biomass of the tree from ground to tip, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-28--Average aboveground biomass per acre of dead trees^a on forest land by forest type and ownership group, coastal Alaska, 2004-2013

Forest type	Ownership group									
	USDA Forest Service		Other federal		State and local government		Private		All owners	
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
<i>Tons per acre</i>										
Softwoods:										
Alaska yellow-cedar	17.0	2.1	26.4	26.4	15.0	2.2	13.8	3.3	16.8	2.0
Black spruce	2.8	2.8	1.5	0.5	0.3	0.2	0.7	0.4	1.3	0.4
Lodgepole pine	4.1	0.5	--	--	0.9	0.6	7.8	3.3	4.0	0.5
Mountain hemlock	6.6	0.9	5.3	1.5	9.6	2.5	4.7	1.2	6.6	0.8
Sitka spruce	17.5	4.4	10.9	4.6	8.4	1.3	7.1	1.2	12.6	2.3
Western hemlock	24.8	1.4	46.3	13.5	17.9	3.2	11.7	2.1	23.2	1.2
Western redcedar	27.0	2.3	--	--	10.4	5.7	18.6	6.4	26.1	2.1
White spruce	4.3	2.5	8.3	1.3	8.4	2.2	8.8	3.6	8.1	1.1
Total	17.2	0.8	5.6	0.8	10.2	1.0	8.9	0.9	15.2	0.6
Hardwoods:										
Aspen	--	--	8.7	1.7	3.8	3.8	0.8	0.6	7.2	1.5
Cottonwood	1.2	0.9	1.1	0.6	2.1	1.1	3.0	2.0	1.8	0.6
Paper birch	1.5	0.6	5.4	1.1	7.7	2.3	5.1	1.2	5.6	0.8
Red alder	13.5	6.1	--	--	--	--	9.3	9.3	13.0	5.5
Total	3.9	2.0	5.3	0.8	4.5	1.2	4.3	0.9	4.7	0.6
Nonstocked	3.4	2.4	5.4	3.0	12.5	2.9	3.5	1.2	6.2	1.3
All forest types	16.9	0.8	5.5	0.6	9.6	0.8	7.7	0.7	14.2	0.6

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 0.005 bone-dry tons per acre was estimated; the average was calculated using a ratio of means formula across plots within forest type groups.

^a Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory. Aboveground biomass is estimated from ground to actual height, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-29--Average aboveground biomass per acre of live trees^a on forest land, by forest type and stand size class, coastal Alaska, 2004-2013

Forest type group	Stand size class						All classes	
	Large-diameter stands ^b		Medium-diameter stands ^c		Small-diameter stands ^d			
	Mean	SE	Mean	SE	Mean	SE	Mean	SE
Tons per acre								
Softwoods:								
Alaska yellow-cedar	83.4	5.2	45.6	5.8	16.0	3.4	68.5	4.4
Black spruce	33.9	33.9	32.7	5.9	13.3	1.2	15.3	1.4
Lodgepole pine	35.8	2.8	25.3	3.2	7.3	0.8	17.6	1.7
Mountain hemlock	92.2	6.5	29.2	2.7	5.9	1.1	67.0	5.8
Sitka spruce	152.3	8.0	52.7	6.6	14.0	2.6	124.8	7.6
Western hemlock	155.6	4.8	41.6	4.2	16.1	3.1	139.6	4.7
Western redcedar	130.2	16.7	--	--	9.5	2.8	124.6	16.2
White spruce	24.2	3.5	19.4	2.0	8.2	1.9	14.5	1.5
Total	124.1	3.3	34.4	2.4	11.2	1.0	95.7	2.7
Hardwoods:								
Aspen	41.4	6.1	41.1	5.2	8.0	3.3	28.9	4.3
Cottonwood	65.8	11.8	32.9	3.4	9.3	3.0	50.2	7.9
Paper birch	38.5	3.9	29.2	3.7	9.0	1.6	27.7	2.3
Red alder	91.9	10.7	47.7	11.1	105.2	105.2	69.9	12.1
Total	53.3	6.0	32.9	2.4	9.2	1.4	37.2	3.1
All forest types	120.8	3.2	33.8	1.8	11.0	1.0	89.4	2.5

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 0.005 bone-dry tons per acre was estimated; the average was calculated using a ratio of means formula across plots within forest type groups.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes. Aboveground biomass of the tree from ground to tip, includes stem wood, bark, and branches; calculated with regional biomass equations.

^b Softwoods: trees >9.0 inches DBH. Hardwoods: trees >11.0 inches DBH.

^c trees >= 5.0 inches DBH and smaller than large diameter trees

^d trees <5.0 inches DBH

Table A1-30--Average aboveground biomass per acre of dead trees^a on forest land, by forest type and stand size class, coastal Alaska, 2004-2013

Forest type group	Stand size class							
	Large-diameter stands ^b		Medium-diameter stands ^c		Small-diameter stands ^d		All classes	
	Mean	SE	Mean	SE	Mean	SE	Mean	SE
<i>Tons per acre</i>								
Softwoods:								
Alaska yellow-cedar	20.4	2.5	11.5	1.8	4.1	0.9	16.8	2.0
Black spruce	14.0	14.0	2.3	0.5	1.1	0.5	1.3	0.4
Lodgepole pine	7.7	1.1	5.2	1.6	2.0	0.4	4.0	0.5
Mountain hemlock	9.1	1.0	2.4	1.3	0.7	0.3	6.6	0.8
Sitka spruce	15.3	2.8	5.1	2.5	1.8	0.6	12.6	2.3
Western hemlock	25.5	1.3	5.8	3.5	6.4	3.0	23.2	1.2
Western redcedar	27.2	2.3	--	--	1.6	0.9	26.1	2.1
White spruce	7.3	1.5	9.0	1.8	7.8	1.7	8.1	1.1
Total	19.3	0.8	6.1	1.0	2.9	0.6	15.2	0.6
Hardwoods:								
Aspen	9.8	2.5	9.8	2.1	2.9	2.5	7.2	1.5
Cottonwood	2.6	0.9	0.9	0.6	--	--	1.8	0.6
Paper birch	6.6	1.1	5.3	1.3	4.4	1.5	5.6	0.8
Red alder	24.5	6.3	3.6	2.7	--	--	13.0	5.5
Total	5.5	0.8	4.4	1.0	3.2	1.1	4.7	0.6
All forest types	18.7	0.8	5.5	0.8	2.9	0.5	14.2	0.6

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 0.005 bone-dry tons per acre was estimated; the average was calculated using a ratio of means formula across plots within forest type groups.

^a Includes all dead trees ≥ 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory. Aboveground biomass is estimated from ground to actual height, includes stem wood, bark, and branches; calculated with regional biomass equations.

^b Softwoods: trees >9.0 inches DBH. Hardwoods: trees >11.0 inches DBH.

^c trees ≥ 5.0 inches DBH and smaller than large diameter trees

^d trees <5.0 inches DBH

Table A1-31--Aboveground carbon mass^a of live trees^b on forest land, by ownership and land status, coastal Alaska, 2004-2013

Ownership	Land status													
	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand megagrams														
Federal Government:														
Chugach National Forest	23,385	6,573	10,055	2,143	33,440	6,852	--	--	--	--	--	--	33,440	6,852
Tongass National Forest	221,850	8,719	66,206	3,667	288,055	7,987	136,831	17,368	53,664	9,321	190,495	15,436	478,550	16,765
U.S. Fish and Wildlife Service	--	--	--	--	--	--	9,146	936	3,216	507	12,362	942	12,362	942
Other federal	3,645	1,521	1,000	467	4,645	1,584	2,123	727	463	308	2,586	776	7,230	1,721
Total Federal	248,880	11,016	77,260	4,269	326,140	10,623	148,100	17,408	57,342	9,340	205,442	15,483	531,582	16,615
State and Local Government:														
State	32,162	3,083	4,764	975	36,927	3,102	4,298	1,310	586	341	4,884	1,333	41,811	3,085
Local	3,938	1,199	699	411	4,637	1,257	--	--	--	--	--	--	4,637	1,257
Total	36,100	3,221	5,463	1,038	41,563	3,218	4,298	1,310	586	341	4,884	1,333	46,447	3,192
Private:	36,586	3,566	6,165	822	42,750	3,551	--	--	--	--	--	--	42,750	3,551
All owners	321,566	11,744	88,888	4,444	410,454	11,253	152,398	17,457	57,928	9,346	210,326	15,540	620,779	16,980

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 megagrams was estimated.

^a Total aboveground carbon mass of the tree from ground to tip, includes stem wood, bark, and branches; calculated by applying a factor of 0.5 to aboveground biomass estimated from regional biomass equations, and converting to metric units. Convert megagrams of carbon to tons of biomass by multiplying by 2.204586. The result will be approximate due to rounding.

^b Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-32--Aboveground carbon mass^a of dead trees^b on forest land, by ownership and land status, coastal Alaska, 2004-2013

Ownership	Land status													
	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE
Thousand megagrams														
Federal Government:														
Chugach National Forest	1,484	327	1,061	285	2,545	424	--	--	--	--	--	--	2,545	424
Tongass National Forest	36,748	2,009	15,529	1,156	52,277	2,047	20,730	3,149	7,759	1,729	28,488	3,135	80,765	3,674
U.S. Fish and Wildlife Service	--	--	--	--	--	--	1,640	222	664	133	2,304	230	2,304	230
Other federal	241	137	291	158	532	209	299	156	66	54	365	165	897	261
Total Federal	38,472	2,039	16,881	1,200	55,353	2,100	22,669	3,161	8,488	1,735	31,157	3,148	86,510	3,670
State and Local government:														
State	3,555	446	1,330	277	4,885	509	258	122	78	63	336	136	5,220	518
Local	597	206	241	197	838	277	--	--	--	--	--	--	838	277
Total	4,151	487	1,572	334	5,723	566	258	122	78	63	336	136	6,058	574
Private:	4,811	581	1,379	234	6,190	606	--	--	--	--	--	--	6,190	606
All owners	47,434	2,148	19,832	1,262	67,266	2,210	22,926	3,163	8,566	1,736	31,492	3,151	98,758	3,732

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 megagrams was estimated.

^a Total aboveground carbon mass of the tree from ground to tip, includes stem wood, bark, and branches; calculated by applying a factor of 0.5 to aboveground biomass estimated from regional biomass equations, and converting to metric units. Convert megagrams of carbon to tons of biomass by multiplying by 2.204586. The result will be approximate due to rounding.

^b Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory.

Table A1-33--Average aboveground carbon mass^a per hectare of live trees^b on forest land, by forest type and ownership group, coastal Alaska, 2004-2013

Forest type	Ownership group									
	USDA Forest Service		Other federal		State and local		Private		All owners	
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
<i>Kilograms per hectare</i>										
Softwoods:										
Alaska yellow-cedar	77,933	5,228	132,864	132,864	73,771	13,449	44,930	7,029	76,794	4,956
Black spruce	2,442	2,442	19,111	1,794	6,879	2,238	11,775	3,553	17,110	1,550
Lodgepole pine	19,322	1,894	--	--	6,828	2,360	47,340	10,442	19,667	1,955
Mountain hemlock	78,143	7,498	46,220	7,158	72,754	12,361	47,274	8,172	75,045	6,510
Sitka spruce	181,390	13,427	130,889	18,333	115,076	7,843	83,279	9,521	139,922	8,461
Western hemlock	162,919	5,966	224,503	3,759	152,844	12,853	99,486	13,434	156,470	5,235
Western redcedar	147,789	19,462	--	--	75,452	25,780	47,937	11,110	139,702	18,183
White spruce	30,966	5,639	16,855	2,303	10,378	1,964	17,799	5,080	16,260	1,653
Total	118,311	3,925	34,245	3,619	94,982	5,593	72,379	5,494	107,230	3,046
Hardwoods:										
Aspen	--	--	34,693	5,176	19,728	19,728	23,703	14,384	32,407	4,868
Cottonwood	48,751	11,357	90,423	26,788	57,479	12,173	27,289	5,266	56,284	8,865
Paper birch	24,922	13,920	37,070	3,652	29,589	9,602	25,086	3,356	31,090	2,614
Red alder	78,323	15,131	--	--	--	--	78,629	78,629	78,355	13,546
Total	51,644	9,203	48,018	6,866	42,517	7,462	26,302	2,887	41,649	3,470
Nonstocked	2,848	972	1,593	651	2,008	585	1,440	351	1,922	301
All forest types	116,488	3,844	37,557	3,275	82,104	4,819	59,920	4,373	100,189	2,756

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 0.005 kilograms per hectare was estimated; the average was calculated using a ratio of means formula across plots within forest type groups.

^a Total aboveground carbon mass of the tree from ground to tip, includes stem wood, bark, and branches; calculated by applying a factor of 0.5 to aboveground biomass estimated from regional biomass equations, and converting to metric units. Convert kilograms per hectare of carbon to tons per acre of biomass by multiplying by .00089. The result will be approximate due to rounding.

^b Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-34--Average aboveground carbon mass^a per hectare of dead trees^b on forest land, by forest type and ownership group, coastal Alaska, 2004-2013

Forest type	Ownership group									
	USDA Forest Service		Other federal		State and local government		Private		All owners	
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
<i>Kilograms per hectare</i>										
Softwoods:										
Alaska yellow-cedar	18,999	2,346	29,547	29,547	16,843	2,507	15,471	3,647	18,853	2,216
Black spruce	3,117	3,117	1,686	609	357	249	752	388	1,489	491
Lodgepole pine	4,555	607	--	--	1,007	634	8,685	3,708	4,486	589
Mountain hemlock	7,395	988	5,908	1,687	10,742	2,747	5,257	1,342	7,389	866
Sitka spruce	19,610	4,901	12,215	5,130	9,398	1,468	7,984	1,386	14,089	2,572
Western hemlock	27,800	1,528	51,938	15,083	20,066	3,623	13,081	2,328	26,052	1,322
Western redcedar	30,305	2,605	--	--	11,646	6,359	20,834	7,191	29,221	2,377
White spruce	4,806	2,794	9,339	1,444	9,419	2,487	9,829	4,018	9,089	1,180
Total	19,298	889	6,246	905	11,422	1,093	9,959	988	17,020	686
Hardwoods:										
Aspen	--	--	9,718	1,909	4,255	4,255	892	628	8,098	1,688
Cottonwood	1,390	1,049	1,283	630	2,356	1,197	3,364	2,192	2,013	694
Paper birch	1,671	709	6,100	1,232	8,646	2,569	5,726	1,322	6,221	849
Red alder	15,100	6,823	--	--	--	--	10,422	10,422	14,610	6,158
Other hardwoods	--	--	--	--	2,155	2,155	--	--	2,155	2,155
Total	4,393	2,280	5,950	866	5,091	1,395	4,796	1,052	5,238	640
Nonstocked	3,775	2,712	6,061	3,392	14,030	3,287	3,897	1,366	6,991	1,477
All forest types	18,955	868	6,135	630	10,709	916	8,676	783	15,939	619

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 0.005 kilograms per hectare was estimated; the average was calculated using a ratio of means formula across plots within forest type groups.

^a Total aboveground carbon mass of the tree from ground to tip, includes stem wood, bark, and branches; calculated by applying a factor of 0.5 to aboveground biomass estimated from regional biomass equations, and converting to metric units. Convert kilograms per hectare of carbon to tons per acre of biomass by multiplying by .00089. The result will be approximate due to rounding.

^b Includes all dead trees >= 5 inches in diameter at breast height; smaller dead trees were not measured in this inventory.

Table A1-35--Area of forest land, by forest type within Chugach and Tongass National Forests, coastal Alaska, 2004-2013

Forest type	National Forest			
	Chugach National Forest		Tongass National Forest	
	Total	SE	Total	SE
<i>Thousand acres</i>				
Softwoods:				
Alaska yellow-cedar	--	--	2,177.0	213.9
Black spruce	5.3	5.0	--	--
Lodgepole pine	--	--	383.2	41.8
Mountain hemlock	760.5	155.6	1,967.0	207.0
Sitka spruce	127.4	24.8	833.8	124.1
Western hemlock	107.5	24.4	3,278.0	213.2
Western redcedar	--	--	937.1	143.4
White spruce	34.1	13.7	--	--
Total	1,034.8	156.2	9,578.5	227.9
Hardwoods:				
Aspen	--	--	--	--
Cottonwood	14.5	8.9	108.0	59.1
Paper birch	14.3	9.0	2.6	3.0
Red alder	--	--	35.7	12.9
Total	33.6	13.6	146.3	60.6
All forest types	1,077.3	156.6	9,783.5	224.5

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 acres was estimated.

Table A1-36--Aboveground biomass of live trees^a on forest land, by national forest and land status, coastal Alaska, 2004-2013

National forest	Land status													
	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE		
Thousand tons														
Chugach	51,555	14,490	22,167	4,723	73,722	15,105	--	--	--	--	--	--	73,722	15,105
Tongass	489,086	19,222	145,956	8,085	635,042	17,609	301,655	38,288	118,306	20,549	419,961	34,030	1,055,004	36,959
Total	540,641	24,068	168,123	9,359	708,764	23,190	301,655	38,288	118,306	20,549	419,961	34,030	1,128,726	36,405

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 bone-dry tons was estimated.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes. Aboveground biomass of

Table A1-37--Aboveground carbon mass^a of live trees^b on forest land, by national forest and land status, coastal Alaska, 2004-2013

National forest	Land status												All forest land	
	Unreserved forests						Reserved forests							
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE	Total	SE		
Thousand megagrams														
Chugach	23,385	6,573	10,055	2,143	33,440	6,852	--	--	--	--	--	--	33,440	6,852
Tongass	221,850	8,719	66,206	3,667	288,055	7,987	136,831	17,368	53,664	9,321	190,495	15,436	478,550	16,765
Total	245,235	10,917	76,261	4,245	321,496	10,519	136,831	17,368	53,664	9,321	190,495	15,436	511,990	16,513

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 megagrams was estimated.

^a Total aboveground carbon mass of the tree from ground to tip, includes stem wood, bark, and branches; calculated by applying a factor of 0.5 to aboveground biomass estimated from regional biomass equations, and converting to metric units. Convert megagrams of carbon to tons of biomass by multiplying by 2.204586. The result will be approximate due to rounding.

^b Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-38--Average aboveground biomass per acre of live trees^a on forest land, by national forest and land status, coastal Alaska, 2004-2013

National forest	Land status												All forest land	
	Unreserved forests						Reserved forests							
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE		
Tons per acre														
Chugach	121.2	12.0	34.0	5.2	68.4	10.0	--	--	--	--	--	--	68.4	10.0
Tongass	144.5	3.9	54.3	2.1	104.5	2.6	158.0	12.5	65.8	7.9	113.3	8.8	107.8	3.7
Total	141.9	3.7	50.3	2.2	99.1	2.7	158.0	12.5	65.8	7.9	113.3	8.8	103.9	3.4

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 0.005 bone-dry tons per acre was estimated; the average was calculated using a ratio of means formula across plots.

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes. Aboveground biomass of the tree from ground to tip, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-39--Average aboveground carbon mass^a per hectare of live trees^b on forest land, by national forest and land status, coastal Alaska, 2004-2013

National forest	Land status													
	Unreserved forests						Reserved forests						All forest land	
	Timberland		Other forest		Total		Productive		Other forest		Total			
	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE	Mean	SE
Kilograms per hectare														
Chugach	135,806	13,421	38,118	5,876	76,701	11,184	—	—	—	—	—	—	76,701	11,184
Tongass	161,912	4,414	60,821	2,361	117,157	2,883	177,136	14,017	73,707	8,840	126,952	9,902	120,869	4,103
Total	158,997	4,141	56,393	2,437	111,064	3,065	177,136	14,017	73,707	8,840	126,952	9,902	116,488	3,844

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 0.005 kilograms per hectare was estimated; the average was calculated using a ratio of means formula across plots.

^a Total aboveground carbon mass of the tree from ground to tip, includes stem wood, bark, and branches; calculated by applying a factor of 0.5 to aboveground biomass estimated from regional biomass equations, and converting to metric units. Convert kilograms per hectare of carbon to tons per acre of biomass by multiplying by .00089. The result will be approximate due to rounding.

^b Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-40--Average aboveground carbon mass^a per hectare of live trees^b on forest land, by forest type within each National Forest, coastal Alaska, 2004-2013

Forest type	National Forest			
	Chugach National forest		Tongass National Forest	
	Mean	SE	Mean	SE
Kilograms per hectare				
Softwoods:				
Alaska yellow-cedar	--	--	77,933	5,228
Black spruce	2,442	2,442	--	--
Lodgepole pine	--	--	19,322	1,894
Mountain hemlock	65,473	15,086	83,041	9,150
Sitka spruce	116,828	21,681	191,257	14,556
Western hemlock	147,025	18,091	163,440	6,140
Western redcedar	--	--	147,789	19,462
White spruce	30,966	5,639	--	--
Total	78,806	11,626	122,579	4,178
Hardwoods:				
Aspen	--	--	--	--
Cottonwood	52,833	36,596	48,204	11,847
Paper birch	13,089	5,225	89,920	89,920
Red alder	--	--	78,323	15,131
Total	31,413	15,880	56,296	11,209
Nonstocked	3,431	1,274	2,760	1,081
All forest types	76,701	11,184	120,869	4,103

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; -- = less than 0.005 kilograms per hectare was estimated; the average was calculated using a ratio of means formula across plots within forest types.

^a Total aboveground carbon mass of the tree from ground to tip, includes stem wood, bark, and branches; calculated by applying a factor of 0.5 to aboveground biomass estimated from regional biomass equations, and converting to metric units. Convert kilograms per hectare of carbon to tons per acre of biomass by multiplying by .00089. The result will be approximate due to rounding.

^b Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-41--Area of forest land, by forest type within Kenai and Kodiak Wildlife Refuges, coastal Alaska, 2004-2013

Forest type	USFWS Refuge			
	Kenai		Kodiak	
	Total	SE	Total	SE
<i>Thousand acres</i>				
Softwoods:				
Alaska yellow-cedar	--	--	--	--
Black spruce	378.9	37.1	--	--
Lodgepole pine	--	--	--	--
Mountain hemlock	63.0	19.2	--	--
Sitka spruce	2.3	2.8	31.6	12.8
Western hemlock	--	--	--	--
Western redcedar	--	--	--	--
White spruce	216.0	30.2	--	--
Total	660.1	40.4	31.6	12.8
Hardwoods:				
Aspen	104.2	24.2	--	--
Cottonwood	9.6	6.0	28.1	12.2
Paper birch	172.0	27.4	12.8	7.5
Red alder	--	--	--	--
Total	285.7	34.3	40.9	13.7
All forest types	996.5	27.0	72.5	16.6

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error;

-- = less than 50 acres was estimated.

Table A1-42--Aboveground biomass of live trees^a on forest land within Kenai and Kodiak Wildlife Refuges, coastal Alaska, 2004-2013

USFWS National Refuge	Land status							
	Reserved forests						All forest land	
	Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE		
Kenai	15,924.8	1,412.0	6,631.4	1,070.2	22,556.2	1,407.0	22,556.2	1,407.0
Kodiak	4,238.6	1,505.9	457.7	324.2	4,696.4	1,527.1	4,696.4	1,527.1
Total	20,163.5	2,064.3	7,089.1	1,118.3	27,252.6	2,076.5	27,252.6	2,076.5

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 bone-dry tons was estimated. No unreserved forest land was inventoried in either Refuge

^a Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes. Aboveground biomass of the tree from ground to tip, includes stem wood, bark, and branches; calculated with regional biomass equations.

Table A1-43--Aboveground carbon mass^a of live trees^b on forest land within Kenai and Kodiak Wildlife Refuges, coastal Alaska, 2004-2013

USFWS National Refuge	Land status						All forest land	
	Reserved forests							
	Productive		Other forest		Total			
	Total	SE	Total	SE	Total	SE		
Thousand megagrams								
Kenai	7,224	641	3,008	486	10,232	638	10,232	638
Kodiak	1,923	683	208	147	2,130	693	2,130	693
Total	9,146	936	3,216	507	12,362	942	12,362	942

Note: Totals may be off because of rounding; data subject to sampling error; SE = standard error; — = less than 50 megagrams was estimated. No unreserved forest land was inventoried in either Refuge.

^a Total aboveground carbon mass of the tree from ground to tip, includes stem wood, bark, and branches; calculated by applying a factor of 0.5 to aboveground biomass estimated from regional biomass equations, and converting to metric units. Convert megagrams of carbon to tons of biomass by multiplying by 2.204586. The result will be approximate due to rounding.

^b Includes all live trees >= 1 inches in diameter at breast height, consisting of growing stock, rough cull, and rotten cull tree classes.

Table A1-44--Volume of removals by source of material and removal type, Alaska 2005 and 2011

Product type	Year					
	2005			2011		
	Source of Material					
	Growing stock	Other sources	All sources	Growing stock	Other sources	All sources
	Total	Total	Total	Total	Total	Total
thousand cubic feet (mcf)						
Roundwood Products						
Sawlogs	40,937	3,497	44,434	28,864	429	29,293
Pulpwood	7,663	78	7,741	--	--	--
Miscellaneous	293	175	468	274	64	339
Total industrial products	48,893	3,750	52,643	29,138	493	29,631
Fuelwood	34	9,334	9,369	709	7,047	7,755
Total roundwood products	48,927	13,084	62,011	29,847	7,540	37,387
Logging residues	17,217	9,199	26,416	9,184	5,690	14,874
Total timber removals	66,144	22,283	88,427	39,031	13,230	52,261

Table A1-45--Volume of removals by ownership and removal type, Alaska 2005 and 2011

Product type	Year							
	2005				2011			
	Ownership							
	USFS	Other Public	Private	All owners	USFS	Other Public	Private	All owners
	Total	Total	Total	Total	Total	Total	Total	Total
<i>thousand cubic feet (mcf)</i>								
Roundwood Products								
Sawlogs	8,806	9,632	25,996	44,434	6,154	6,167	16,972	29,293
Pulpwood	-	1,549	6,192	7,741	-	-	-	-
Miscellaneous	70	215	183	468	37	207	95	339
Total industrial products	8,876	11,396	32,371	52,643	6,191	6,374	17,066	29,631
Fuelwood	39	2,495	6,835	9,369	68	6,716	971	7,755
Total roundwood products	8,915	13,890	39,206	62,011	6,259	13,090	18,037	37,387
Logging Residues	3,170	7,511	15,734	26,416	3,144	3,218	8,513	14,874
Total Timber Removals	12,085	21,402	54,940	88,427	9,403	16,308	26,550	52,261

Table A1-46--Proportion of removals by ownership and removal type, Alaska 2005 and 2011

Table A2-15 Proportion of Removals by Ownership and Removal type, Alaska 2005 and 2011						
Product type	Year					
	2005			2011		
	Ownership					
	USFS	Other Public	Private	USFS	Other Public	Private
Percentage						
Roundwood Products						
Sawlogs	20%	22%	59%	21%	21%	58%
Pulpwood	0%	20%	80%	0%	0%	0%
Miscellaneous	15%	46%	39%	11%	61%	28%
Total industrial products	17%	22%	61%	21%	22%	58%
Fuelwood	0%	27%	73%	1%	87%	13%
Total roundwood products	14%	22%	63%	17%	35%	48%
Logging Residues	12%	28%	60%	21%	22%	57%
Total Timber Removals	14%	24%	62%	18%	31%	51%

Table A1-47--Timber volume received by Alaska facilities by ownership class and product type, 2011 (Berg et al. 2014)

Ownership group	Product type				2011- All products	2005 - All products ^c
	Sawlogs	House logs	Fuelwood ^a	Other products ^b		
	<i>Thousand board feet, Scribner</i>					
All private	1,450	191	1,423	300	3,364	3,743
USDA National Forest	11,792	73	143	91	12,099	23,866
State & other public	4,062	1,046	2,689	0	7,796	17,252
All owners	17,305	1,309	4,255	391	23,259	44,861

^a Includes residential firewood and industrial fuelwood received and processed by Alaskan facilities.

^b Other timber products include logs for furniture, tonewood, novelty items, and cedar products.

^c From Halbrook et al. (2009).

Table A1-48—Timber volume received by Alaska facilities by species and product type, 2011 (Berg et al. 2014)

Species	Product type				2011- all products	2005- all products
	Sawlogs	House logs	Fuelwood ^a	Other products ^b		
Thousand board feet, Scribner						
Sitka spruce	4,928	128	58	c	5,114	10,877
Western hemlock	2,966	83	65	c	3,114	23,539
Western redcedar	5,639	21	11	c	5,671	1,857
Alaska-yellow cedar	320	29	23	c	373	1,099
White spruce	2,920	932	2,321	c	6,174	6,154
Birches	335	87	1,239	c	1,660	230
Other ^d	196	28	538	391 ^c	762	1,105
All species	17,305	1,309	4,255	391	23,259	44,861

^a Includes residential firewood and industrial fuelwood received and processed by Alaskan facilities.

^b Other timber products include logs for furniture, tonewood, novelty items, and cedar products.

^c Species combined to avoid disclosure.

^d Other species include black cottonwood, quaking aspen, Douglas-fir, sugar maple, lodgepole pine, red alder, willow, mountain ash, and black spruce.

Table A1-49--Number of plots inventoried by plot condition and measurement year.

Measurement year	Plot condition			Total number of plots with VEG Profile
	Forestland	Non-forest land	Both ^a	
2005	55	25	5	76
2010	230	28	9	250
2011-2013	598	123	33	689

^a Both forest and non-forest lands are within the plot boundaries

Table A1-50--Thirty most commonly recorded abundant species, indicator codes and average percent cover on all forest lands, coastal Alaska, 2004-2013

Scientific name	Common name	Indicator codes ^a	Average Cover	SE
<i>Vaccinium ovalifolium</i>	oval-leaf blueberry	bp, dwe, np st,	12.97	0.69
<i>Menziesia ferruginea</i>	rusty menziesia	ac, hlght, np,	4.17	0.26
<i>Alnus viridis</i> ssp. <i>sinuata</i>	Sitka alder	lwp, nf, sd	3.3	0.33
<i>Oplopanax horridus</i>	devil's club	bp, nr, wms	2.91	0.25
<i>Cornus canadensis</i>	bunchberry dogwood	df, st	2.77	0.16
<i>Rubus spectabilis</i>	salmonberry	fld, sd	2.35	0.25
<i>Nephrophyllidium crista-galli</i>	deercabbage	cld, np, oblwt, pdr	2.11	0.2
<i>Gymnocarpium dryopteris</i>	western oakfern	nr, st	1.73	0.12
<i>Lysichiton americanus</i>	American skunkcabbage	bf, oblwt, pdr	1.29	0.11
<i>Dryopteris expansa</i>	spreading woodfern	nr, wdr	1.27	0.14
<i>Athyrium filix-femina</i>	common ladyfern	nr, wms	1.19	0.12
<i>Rubus pedatus</i>	fiveleaf bramble	df, st	1.15	0.17
<i>Calamagrostis canadensis</i>	bluejoint	sd, nr	1.15	0.16
<i>Blechnum spicant</i>	deer fern	ac, np	0.97	0.11
<i>Coptis asplenifolia</i>	fernleaf goldthread	df	0.96	0.1
<i>Elliottia pyroliflora</i>	copperbush	cld, pdr	0.96	0.16
<i>Empetrum nigrum</i>	black crowberry	bp, hlght	0.92	0.13
<i>Vaccinium parvifolium</i>	red huckleberry	bp, np	0.84	0.28
<i>Chamerion angustifolium</i> ssp. <i>angustifolium</i>	fireweed	sd	0.46	0.1
<i>Equisetum arvense</i>	field horsetail	sd	0.44	0.1
<i>Luetkea pectinata</i>	partridgefoot	helev	0.4	0.16
<i>Streptopus lanceolatus</i> var. <i>roseus</i>	twistedstalk	bp	0.35	0.07
<i>Vaccinium uliginosum</i>	bog blueberry	bp, np	0.34	0.05
<i>Trichophorum cespitosum</i>	tufted bulrush	oblwt	0.33	0.07
<i>Vaccinium vitis-idaea</i>	lingonberry	bp, np	0.31	0.05
<i>Phegopteris connectilis</i>	long beechfern	nr	0.31	0.06
<i>Tiarella trifoliata</i>	threeleaf foamflower	df, nr	0.3	0.05
<i>Sambucus racemosa</i>	red elderberry	bp	0.22	0.05
<i>Veratrum viride</i>	green false hellebore	nr, wms	0.16	0.02
<i>Sanguisorba canadensis</i>	Canadian burnet	si, wms	0.12	0.02

^a Indicator code meaning: ac = acidic; bf = bear forb; bp = berry producer; cld = cold site; df = deer forb; dwe = deer winter energy; fld = flooding; helev = high elevation; hlght = high light exposure; lwp = large woody plant; nf = nitrogen fixer; np = nutrient poor; nr = nutrient rich; oblwt, obligate wetland species; pdr = poorly drained site; sd = site disturbance; si = shade intolerant; st = shade tolerant; wdr = well-drained soils; wms = water moving through soil

Table A1-51--Number of plots within each forest type, separated by physiographic class category and elevation, coastal Alaska, 2004-2013

Forest type	Number of plot locations	Physiographic class categories ^a			Elevation		
		xeric	mesic	hydric	range	mean	median
		<i>number of plots</i>			<i>feet</i>		
Alaska Yellow-cedar	130	1	113	19	0 – 2700	836	700
Black spruce	29	0	17	13	100 – 900	314	300
Lodge pole pine	40	0	11	29	100 – 1300	430	300
Mountain hemlock	174	9	159	9	100 – 3100	1455	1500
Sitka spruce	137	3	129	5	100 – 1900	484	300
Western hemlock	261	0	254	8	100 – 2100	624	500
Western red cedar	53	0	49	5	100 – 1100	277	300
White spruce	42	0	36	7	100 – 1900	838	900
Aspen	5	0	5	0	300 – 500	380	300
Cottonwood	27	1	25	1	100 – 1500	315	100
Paper Birch	43	3	40	0	100 – 1500	458	300
Red alder	4	0	4	0	100 – 300	300	300

^a More than one physiographic class is possible on a single plot

Table A1-52--Non-forest dominance type, description, number of plots and elevational bands, coastal Alaska, 2004-2013

Dominance type	Description	Number of plots	Elevation		
			Range	Mean	Median
-----feet-----					
Tall shrub	At least 25 percent cover of tall shrub greater than 5 feet tall	75	100 – 2500	1065	1100
Low shrub	At least 25 percent cover shrubs between 1 and 5 feet tall	28	100 – 2100	607	100
Dwarf shrub	At least 25 percent cover shrubs less than 1foot	56	900 – 4100	2632	2500
Dryas dwarf shrub	Dryas species dominate dwarf shrub	1	3300	3300	3300
Mesic herbaceous	Shrubs less than 10 percent cover, forbs dominate, moist but without standing water	34	100 – 3900	1582	1600
Wet herbaceous	Shrubs less than 10 percent cover, forbs dominate, standing water for part of the year	18	100 - 1700	211	100
Grassland	Shrubs less than 10 percent, grasses dominate	1	100	100	100
Sparsely vegetated	Plant life cover greater than 10 percent but less than 25 percent	9	300 - 3100	1989	2300
Non vegetated	Plant life less than 10 percent cover (includes nonvascular plants)	2	1900 - 4100	3000	3000
Mountain hemlock forest/woodland	Mt. hemlock provides majority of tree cover, present with cover at least 10 percent	11	300 - 2500	1590	1700
Sitka spruce forest/ woodland	Sitka spruce provides majority of tree cover, cover at least 10 percent	7	100 - 1300	785	900
Sitka spruce-Mt hemlock mix forest	Equal cover of Sitka spruce and Mountain Hemlock large trees	3	900 - 1300	1100	1100
Mixed Alaskan yellow cedar forest /woodland	Alaska yellow-cedar and at least one other tree species present together with cover at least 10 percent	3	900 – 1900	1500	1700
Black cottonwood woodland	Black cottonwood large tree cover less than 25 percent but greater than 10 percent	1	100	100	100

Table A1-53--Scientific and common names on invasive plants, the number of plots and subplots where recorded, invasive ranking, average percentage canopy cover, where present, and range of percentage canopy cover, coastal Alaska, 2004-2013.

Scientific name	Common name	Invasive ranking ^a	Number of plots/subplots	Average percentage canopy cover, where present	Percentage canopy cover ranges
<i>Phalaris arundinacea</i>	reed canarygrass	83	9/15	1.8	1-6
<i>Taraxacum officinale</i>	dandelion	58	8/12	5.4	0.1 - 30
<i>Trifolium</i>	clover	53-59	8/8	1.3	0.1 - 5
<i>Plantago major</i>	common plantain	44	5/6	3	1-10
<i>Matricaria discoidea</i>	disc mayweed	32	2/2	5	0.1 - 10
<i>Phleum pratense</i>	timothy	56	2/4	4.3	0.1 – 15
<i>Ranunculus repens</i>	creeping buttercup	54	2/2	1.5	1-2
<i>Galeopsis</i>	hempnettle	40	1/1	0.1	0.1
<i>Leucanthemum vulgare</i>	oxeye daisy	61	1/1	2	2
<i>Rumex crispus</i> ^b	curly dock	48	1/1	4	4
<i>Stellaria media</i>	chickweed	42	1/1	10	10
<i>Vicia cracca</i> ssp. <i>cracca</i>	bird vetch	73	1/1	0.1	0.1

^a From Carlson et al. 2008.

^b not on current FIA AK Invasive plant list