

APPENDIX B

Table 29A. Eastern Megaregion, average annual net change of growing stock volume on timberland by species/species groups and components of change, Maine, 2006

(Based on change from combined Panel #1 (1999 data), Panel #2 (2000 data), and Panel #3 (2001 data) to combined Panel #1 (2004), Panel #2 (2005) and Panel #3 (2006))
(In thousands of cubic feet)

Species/Species Group	Components of Change							
	Land Use Ingrowth	Ingrowth	Accretion	Gross Growth	Mortality	Growing Stock Increment	Growing Stock Decrement	Net Growth
Balsam Fir	-	13,317	16,326	29,643	(24,107)	1,237	(3,159)	3,615
Spruces	-	7,355	31,659	39,015	(11,852)	8,331	(2,702)	32,792
Eastern White Pine	35	4,029	17,729	21,793	(1,298)	2,867	(5,481)	17,881
Northern White-Cedar	-	1,259	12,279	13,538	(3,548)	6,020	(5,200)	10,810
Eastern Hemlock	-	2,167	18,667	20,834	(840)	6,060	(2,092)	23,962
Other Comm. Softwoods	-	759	3,963	4,722	(630)	1,028	(357)	4,764
Total Softwoods	35	28,887	100,622	129,544	(42,274)	25,543	(18,991)	93,822
95% Confidence Interval	0 - 105	24,705 - 33,070	88,170 - 113,075	114,196 - 144,893	(50,319) - (34,230)	18,958 - 32,128	(24,753) - (13,228)	76,765 - 110,880
Red Maple	-	3,841	16,435	20,276	(4,730)	3,606	(7,241)	11,911
Sugar Maple/Beech/Yellow Birch	51	3,193	11,113	14,357	(6,511)	3,176	(7,032)	3,990
Intolerant Hardwood	-	5,730	13,832	19,562	(9,947)	1,261	(1,602)	9,274
Other Comm. Hardwoods	193	1,268	4,844	6,305	(449)	508	(1,725)	4,640
Total Hardwoods	244	14,032	46,224	60,500	(21,636)	8,551	(17,600)	29,815
95% Confidence Interval	0 - 617	11,410 - 16,654	38,911 - 53,538	51,707 - 69,293	(27,208) - (16,064)	5,969 - 11,133	(21,850) - (13,350)	20,024 - 39,606
Total, All Species	279	42,919	146,847	190,045	(63,911)	34,094	(36,591)	123,637
95% Confidence Interval	0 - 659	37,641 - 48,197	130,607 - 163,087	170,070 - 210,019	(74,671) - (53,150)	26,644 - 41,544	(43,886) - (29,295)	102,766 - 144,509

Species Group	Components of Change				Net Change
	Harvest	Land Use Removal	Land Use to Reserve	Total Removals	
Balsam Fir	(9,987)	(69)	-	(10,056)	(6,441)
Spruces	(32,216)	(44)	-	(32,259)	533
Eastern White Pine	(6,697)	-	-	(6,697)	11,184
Northern White-Cedar	(6,206)	(153)	-	(6,359)	4,451
Eastern Hemlock	(16,550)	(2,237)	-	(18,787)	5,175
Other Comm. Softwoods	(2,224)	-	-	(2,224)	2,539
Total Softwoods	(73,880)	(2,502)	-	(76,382)	17,440
95% Confidence Interval	(101,120) - (46,640)	(7,000) - 1,996		(103,979) - (48,785)	(14,348) - 49,228
Red Maple	(12,144)	(162)	-	(12,306)	(395)
Sugar Maple/Beech/Yellow Birch	(13,915)	(615)	-	(14,530)	(10,540)
Intolerant Hardwood	(17,918)	-	-	(17,918)	(8,644)
Other Comm. Hardwoods	(2,804)	(124)	-	(2,928)	1,712
Total Hardwoods	(46,781)	(901)	-	(47,682)	(17,867)
95% Confidence Interval	(63,479) - (30,083)	(2,293) - 0		(64,433) - (30,932)	(36,633) - 899
Total, All Species	(120,661)	(3,403)	-	(124,064)	(427)
95% Confidence Interval	(156,679) - (84,642)	(9,275) - 0		(160,536) - (87,592)	(41,254) - 40,400

Table 29B. Northern Megaregion, average annual net change of growing stock volume on timberland by species/species groups and components of change, Maine, 2006

(Based on change from combined Panel #1 (1999 data), Panel #2 (2000 data), and Panel #3 (2001 data) to combined Panel #1 (2004), Panel #2 (2005) and Panel #3 (2006))
(In thousands of cubic feet)

Species/Species Group	Components of Change								Net Growth
	Land Use Ingrowth	Ingrowth	Accretion	Gross Growth	Mortality	Growing Stock Increment	Growing Stock Decrement		
Balsam Fir	33	36,030	58,106	94,169	(40,090)	2,126	(3,084)	53,120	
Spruces	78	14,974	61,825	76,877	(26,356)	3,783	(3,098)	51,205	
Eastern White Pine	16	1,762	10,656	12,433	(2,239)	1,273	(3,333)	8,134	
Northern White-Cedar	107	2,368	24,816	27,292	(7,474)	14,359	(8,397)	25,780	
Eastern Hemlock	19	1,011	9,066	10,096	(158)	3,347	(1,275)	12,010	
Other Comm. Softwoods	38	5,787	5,603	11,428	(1,778)	284	(149)	9,785	
Total Softwoods	291	61,932	170,072	232,295	(78,095)	25,172	(19,336)	160,036	
95% Confidence Interval	0 - 610	53,932 - 69,932	154,163 - 185,981	212,092 - 252,497	(90,341) - (65,839)	17,991 - 32,353	(25,259) - (13,413)	136,712 - 183,359	
Red Maple	-	6,491	25,025	31,516	(6,309)	6,038	(10,658)	20,587	
Sugar Maple/Beech/Yellow Birch	-	10,086	55,805	65,891	(23,974)	15,392	(23,558)	33,750	
Intolerant Hardwood	216	11,855	33,367	45,439	(17,108)	3,081	(5,667)	25,745	
Other Comm. Hardwoods	-	1,396	5,910	7,306	(1,444)	738	(2,533)	4,067	
Total Hardwoods	216	29,829	120,107	150,152	(48,836)	25,248	(42,415)	84,149	
95% Confidence Interval	0 - 501	26,241 - 33,417	106,631 - 133,583	135,080 - 165,225	(58,811) - (38,860)	19,175 - 31,321	(50,431) - (34,400)	66,055 - 102,244	
Total, All Species	507	91,761	290,179	382,447	(126,931)	50,420	(61,752)	244,185	
95% Confidence Interval	49 - 966	82,452 - 101,070	266,899 - 313,458	354,466 - 410,429	(149,379) - (110,482)	40,668 - 60,172	(71,904) - (51,599)	212,763 - 275,607	

Species Group	Components of Change				Net Change
	Harvest	Land Use Removal	Land Use to Reserve	Total Removals	
Balsam Fir	(30,985)	-	(13)	(30,998)	22,122
Spruces	(78,043)	-	(2,667)	(80,710)	(29,505)
Eastern White Pine	(4,358)	-	(478)	(4,836)	3,298
Northern White-Cedar	(15,350)	-	(193)	(15,542)	10,238
Eastern Hemlock	(11,112)	-	-	(11,112)	899
Other Comm. Softwoods	(840)	-	-	(840)	8,946
Total Softwoods	(140,687)	-	(3,351)	(144,038)	15,998
95% Confidence Interval	(177,723) - (103,651)		(8,218) - 0	(181,363) - (106,713)	(28,310) - 60,306
Red Maple	(22,519)	-	(1,507)	(24,027)	(3,440)
Sugar Maple/Beech/Yellow Birch	(50,047)	(769)	(358)	(51,174)	(17,423)
Intolerant Hardwood	(22,467)	-	-	(22,467)	3,278
Other Comm. Hardwoods	(3,083)	-	-	(3,083)	984
Total Hardwoods	(98,117)	(769)	(1,866)	(100,751)	(16,601)
95% Confidence Interval	(125,826) - (70,407)	(2,306) - 0	(5,310) - 0	(128,697) - (72,805)	(49,768) - 16,565
Total, All Species	(238,804)	(769)	(5,216)	(244,788)	(604)
95% Confidence Interval	(290,100) - (187,507)	(2,306) - 0	(12,673) - 0	(296,591) - (192,985)	(61,641) - 60,434

Table 29C. Southern Megaregion, average annual net change of growing stock volume on timberland by species/species groups and components of change, Maine, 2006

(Based on change from combined Panel #1 (1999 data), Panel #2 (2000 data), and Panel #3 (2001 data) to combined Panel #1 (2004), Panel #2 (2005) and Panel #3 (2006))
(In thousands of cubic feet)

Species/Species Group	Components of Change								Net Growth
	Land Use Ingrowth	Ingrowth	Accretion	Gross Growth	Mortality	Growing Stock Increment	Growing Stock Decrement		
Balsam Fir	30	3,231	4,949	8,210	(15,132)	331	(1,690)	(8,281)	
Spruces	-	562	2,962	3,525	(4,093)	2,266	(524)	1,173	
Eastern White Pine	130	1,483	33,003	34,616	(6,982)	4,521	(11,273)	20,883	
Northern White-Cedar	-	125	482	607	(397)	241	(780)	(329)	
Eastern Hemlock	69	1,732	14,766	16,568	(1,423)	4,031	(3,602)	15,573	
Other Comm. Softwoods	-	-	1,241	1,241	(227)	462	(467)	1,009	
Total Softwoods	229	7,134	57,404	64,766	(28,255)	11,852	(18,335)	30,028	
95% Confidence Interval	0 - 599	5,518 - 8,749	46,947 - 67,860	53,504 - 76,029	(37,590) - (18,920)	7,102 - 16,603	(24,179) - (12,492)	16,667 - 43,390	
Red Maple	424	3,029	21,540	24,993	(1,542)	4,432	(5,396)	22,486	
Sugar Maple/Beech/Yellow Birch	236	1,286	6,507	8,029	(921)	2,798	(2,000)	7,906	
Intolerant Hardwood	-	1,015	6,614	7,628	(8,632)	792	(1,121)	(1,333)	
Other Comm. Hardwoods	1,542	3,436	22,109	27,087	(1,354)	2,765	(3,287)	25,211	
Total Hardwoods	2,203	8,766	56,769	67,737	(12,450)	10,787	(11,804)	54,270	
95% Confidence Interval	0 - 6,181	6,912 - 10,620	47,275 - 66,263	56,388 - 79,087	(16,080) - (8,820)	7,339 - 14,234	(15,934) - (7,675)	42,131 - 66,409	
Total, All Species	2,431	15,900	114,173	132,504	(40,705)	22,639	(30,140)	84,298	
95% Confidence Interval	0 - 6,447	13,136 - 18,664	97,554 - 130,792	113,716 - 151,292	(51,098) - (30,312)	16,349 - 28,929	(38,212) - (22,068)	65,077 - 103,519	

Species Group	Components of Change				Net Change
	Harvest	Land Use Removal	Land Use to Reserve	Total Removals	
Balsam Fir	(728)	-	-	(728)	(9,009)
Spruces	(377)	-	-	(377)	796
Eastern White Pine	(16,374)	(68)	-	(16,442)	4,441
Northern White-Cedar	-	-	-	-	(329)
Eastern Hemlock	(1,405)	(233)	-	(1,638)	13,935
Other Comm. Softwoods	-	-	-	-	1,009
Total Softwoods	(18,884)	(301)	-	(19,185)	10,843
95% Confidence Interval	(31,709) - (6,060)	(728) - 0		(32,016) - (6,355)	(7,259) - 28,945
Red Maple	(4,775)	(1,433)	-	(6,208)	16,278
Sugar Maple/Beech/Yellow Birch	(3,835)	-	-	(3,835)	4,071
Intolerant Hardwood	(2,080)	(2,213)	-	(4,292)	(5,625)
Other Comm. Hardwoods	(2,467)	(483)	-	(2,950)	22,261
Total Hardwoods	(13,157)	(4,128)	-	(17,285)	36,985
95% Confidence Interval	(20,845) - (5,469)	(8,966) - 0		(26,357) - (8,213)	22,938 - 51,032
Total, All Species	(32,041)	(4,429)	-	(36,470)	47,828
95% Confidence Interval	(47,931) - (16,152)	(9,586) - 0		(53,158) - (19,782)	24,210 - 71,447

Table 29D. Western Megaregion, average annual net change of growing stock volume on timberland by species/species groups and components of change, Maine, 2006

(Based on change from combined Panel #1 (1999 data), Panel #2 (2000 data), and Panel #3 (2001 data) to combined Panel #1 (2004), Panel #2 (2005) and Panel #3 (2006))
(In thousands of cubic feet)

Species/Species Group	Land Use Ingrowth	Components of Change							Net Growth
		Ingrowth	Accretion	Gross Growth	Mortality	Growing Stock Increment	Growing Stock Decrement		
Balsam Fir	19	4,333	11,074	15,426	(13,999)	300	(1,713)	14	
Spruces	-	1,689	12,999	14,688	(3,498)	1,159	(1,128)	11,220	
Eastern White Pine	-	737	10,908	11,645	(116)	306	(231)	11,603	
Northern White-Cedar	-	-	866	866	(280)	146	(623)	107	
Eastern Hemlock	-	688	7,515	8,203	(218)	3,739	(1,970)	9,755	
Other Comm. Softwoods	-	19	943	963	(19)	-	-	944	
Total Softwoods	19	7,466	44,305	51,790	(18,130)	5,649	(5,666)	33,643	
95% Confidence Interval	0 - 58	5,584 - 9,347	34,276 - 54,335	40,772 - 62,809	(23,998) - (12,262)	2,724 - 8,573	(7,879) - (3,453)	22,784 - 44,503	
Red Maple	-	1,404	13,042	14,447	(1,882)	2,798	(2,633)	12,730	
Sugar Maple/Beech/Yellow Birch	17	2,448	21,981	24,447	(5,202)	7,948	(5,824)	21,368	
Intolerant Hardwood	-	2,955	13,688	16,643	(6,427)	725	(2,246)	8,695	
Other Comm. Hardwoods	-	1,309	8,715	10,025	(479)	1,753	(1,043)	10,255	
Total Hardwoods	17	8,117	57,427	65,561	(13,990)	13,224	(11,746)	53,048	
95% Confidence Interval	0 - 52	6,235 - 9,998	45,737 - 69,117	53,016 - 78,105	(17,817) - (10,164)	9,160 - 17,287	(14,689) - (8,803)	39,921 - 66,174	
Total, All Species	37	15,582	101,732	117,351	(32,120)	18,872	(17,412)	86,691	
95% Confidence Interval	0 - 110	12,720 - 18,444	83,914 - 119,551	97,935 - 136,768	(36,618) - (24,623)	13,471 - 24,273	(21,509) - (13,316)	67,582 - 105,800	

Species Group	Components of Change				Net Change
	Harvest	Land Use Removal	Land Use to Reserve	Total Removals	
Balsam Fir	(5,474)	(43)	(119)	(5,635)	(5,621)
Spruces	(7,274)	-	(558)	(7,832)	3,388
Eastern White Pine	(6,703)	-	-	(6,703)	4,900
Northern White-Cedar	(743)	-	(212)	(955)	(848)
Eastern Hemlock	(2,641)	-	-	(2,641)	7,114
Other Comm. Softwoods	-	-	-	-	944
Total Softwoods	(22,834)	(43)	(889)	(23,766)	9,877
95% Confidence Interval	(36,860) - (8,809)	(128) - 0	(2,448) - 0	(37,876) - (9,657)	(7,167) - 26,920
Red Maple	(4,493)	-	(1,796)	(6,289)	6,441
Sugar Maple/Beech/Yellow Birch	(15,810)	-	(946)	(16,757)	4,611
Intolerant Hardwood	(9,620)	-	(6,795)	(16,415)	(7,721)
Other Comm. Hardwoods	(984)	-	-	(984)	9,271
Total Hardwoods	(30,908)	-	(9,537)	(40,445)	12,603
95% Confidence Interval	(47,245) - (14,570)	-	(25,769) - 0	(63,449) - (17,441)	(13,840) - 39,045
Total, All Species	(53,742)	(43)	(10,427)	(64,211)	22,479
95% Confidence Interval	(78,412) - (29,072)	(128) - 0	(28,215) - 0	(94,589) - (33,834)	(12,633) - 57,592

Table 29. Statewide, average annual net change of growing stock volume on timberland by species/species groups and components of change, Maine, 2006

(Based on change from combined Panel #1 (1999 data), Panel #2 (2000 data), and Panel #3 (2001 data) to combined Panel #1 (2004), Panel #2 (2005) and Panel #3 (2006))
(In Thousands of Cubic Feet)

Species/Species Group	Components of Change								Net Growth
	Land Use Ingrowth	Ingrowth	Accretion	Gross Growth	Mortality	Growing Stock Increment	Growing Stock Decrement		
Balsam Fir	82	56,911	90,455	147,448	(93,328)	3,994	(9,646)		48,467
Spruces	78	24,581	109,445	134,104	(45,799)	15,538	(7,453)		96,391
Eastern White Pine	180	8,010	72,296	80,486	(10,635)	8,967	(20,318)		58,500
Northern White-Cedar	107	3,753	38,442	42,302	(11,699)	20,766	(15,000)		36,368
Eastern Hemlock	88	5,598	50,014	55,701	(2,638)	17,177	(8,939)		61,300
Other Comm. Softwoods	38	6,566	11,751	18,354	(2,654)	1,774	(973)		16,502
Total Softwoods	574	105,419	372,403	478,396	(166,754)	68,216	(62,328)		317,530
95% Confidence Interval	79 - 1,069	96,757 - 114,081	351,675 - 393,132	454,108 - 502,684	(184,050) - (149,458)	57,274 - 79,158	(72,419) - (52,237)		285,853 - 349,206
Red Maple	424	14,766	76,042	91,231	(14,463)	16,873	(25,928)		67,714
Sugar Maple/Beech/Yellow Birch	304	17,014	95,406	112,724	(36,609)	29,314	(38,415)		67,014
Intolerant Hardwood	216	21,554	67,501	89,272	(42,114)	5,860	(10,637)		42,381
Other Comm. Hardwoods	1,736	7,409	41,578	50,724	(3,726)	5,764	(8,587)		44,173
Total Hardwoods	2,680	60,743	280,527	343,951	(96,912)	57,810	(83,566)		221,282
95% Confidence Interval	0 - 6,688	56,072 - 65,415	261,792 - 299,262	323,344 - 364,558	(109,000) - (84,824)	49,604 - 66,015	(93,512) - (73,621)		195,338 - 247,225
Total, All Species	3,254	166,162	652,930	822,347	(263,667)	126,025	(145,895)		538,811
95% Confidence Interval	0 - 7,315	156,328 - 175,997	624,544 - 681,316	790,919 - 853,775	(285,060) - (242,273)	111,994 - 140,056	(160,336) - (131,453)		496,889 - 580,733

Species Group	Components of Change				Net Change
	Harvest	Land Use Removal	Land Use to Reserve	Total Removals	
Balsam Fir	(47,174)	(111)	(132)	(47,417)	1,051
Spruces	(117,911)	(44)	(3,225)	(121,179)	(24,787)
Eastern White Pine	(34,132)	(68)	(478)	(34,678)	23,822
Northern White-Cedar	(22,298)	(153)	(405)	(22,856)	13,512
Eastern Hemlock	(31,707)	(2,470)	-	(34,177)	27,123
Other Comm. Softwoods	(3,064)	-	-	(3,064)	13,438
Total Softwoods	(256,285)	(2,846)	(4,240)	(263,371)	54,158
95% Confidence Interval	(305,249) - (207,322)	(7,365) - 0	(9,352) - 0	(312,735) - (214,008)	(5,759) - 114,076
Red Maple	(43,931)	(1,595)	(3,303)	(48,829)	18,884
Sugar Maple/Beech/Yellow Birch	(83,607)	(1,384)	(1,304)	(86,295)	(19,281)
Intolerant Hardwood	(52,085)	(2,213)	(6,795)	(61,093)	(18,712)
Other Comm. Hardwoods	(9,339)	(607)	-	(9,945)	34,228
Total Hardwoods	(188,962)	(5,798)	(11,403)	(206,163)	15,119
95% Confidence Interval	(225,406) - (152,518)	(11,061) - (534)	(28,002) - 0	(246,388) - (165,937)	(33,404) - 63,642
Total, All Species	(445,247)	(8,643)	(15,643)	(469,534)	69,277
95% Confidence Interval	(512,683) - (377,812)	(16,605) - (682)	(34,935) - 0	(539,815) - (399,253)	(15,485) - 154,039