

***Northeastern CROP***  
 (NY; VT; NH; ME; & MA)  
 A Summary of CROP Landscape Analyses Results  
 (2006 – 2010)



Northeastern CROP:  
 Center Point: Hanover, NH  
 75-mi. radius

Federal Lands  
 State Lands  
 5 State Depts. of Trans.\*  
 18 Counties  
 248 Townships\*\*  
 (\*no removal planned)  
 (\*\* only 11 of 248 plan removals;  
 volumes very small & not included  
 in analysis)

gT = green tons (up to <7" dbh)  
 S = small log mmbf (>7"-12" dbh)  
 L = large log mmbf (>12" dbh)

<i>By Species</i>		5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
<b>Hardwoods</b> (non-specified)	(48% of 5-yr. total)	58,255	55.388	8.596
<b>Softwoods</b> (non-specified)	(13% of 5-yr. total)	7,390	8.838	9.536
<b>Sugar maple</b>	(12% of 5-yr. total)	2,811	1.375	17.284
<b>Yellow birch</b>	(6% of 5-yr. total)	1,800	.87	8.457
<b>Red maple</b>	(6% of 5-yr. total)	3,856	1.935	6.859
<b>White pine</b>	(5% of 5-yr. total)	2,653	2.092	5.385
<b>Beech</b>	(3% of 5-yr. total)	67	.0231	4.398
<b>Paper birch</b>	(3% of 5-yr. total)	1,619	.768	4.098
<b>Spruce species</b>	(3% of 5-yr. total)	3,144	1.289	3.26

White Mtn. NE: (gT= 27,843; Small log = 50.114 mmbf; Large log = 46.124 mmbf)

Ranger Districts	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
Androscroggin	6,963	12.529	11.53
Saco	10,302	18.542	17.066
Ampe	10,578	19.043	17.527

Green Mtn. NE: (gT= 15,000; Small log = 6.7 mmbf; Large log = 8.1 mmbf)

Ranger Districts	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
Manchester	11,500	3.8	4.3
Rochester	2,000	1.4	2.8
Middlebury	1,500	1.5	1

New Hampshire (state & county): (gT= 34,181.5; Small log = 12.369 mmbf; Large log = 9.4245 mmbf)

Agencies	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
NH DF&L	33.541	16.486	7.989
<b>Counties:</b>			
Sullivan	478	.5736	1.2428
Grafton	162.5	.3043	.19265

Vermont (counties): (gT= 43.75; Small log = .926 mmbf; Large log = 1.35 mmbf)

Agencies	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
DNR	No data provided		
<b>Counties:</b>			
Windsor	0	.09	.21
Rutland	43.75	.04	.10125
Washington	0	.36	.54
Orleans	0	.004	.006
Orange	0	.42	.4
Addison	0	.012	.048

Massachusetts (state): (gT= 2,375; Small log = 1.5239 mmbf; Large log = 2.3639 mmbf)

Agencies	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
MA DCR	1,925	.4844	1.391
MA DFW	450	1.0395	.9729

Maine (state): (gT= 2,153.95; Small log = .95238 mmbf; Large log = .5562 mmbf)

Agencies	5-yr total (Biomass = gT)	5-yr total Small log (mmbf)	5-yr total Large log (mmbf)
ME IFW	2,183.95	.95238	.5562

**Total 5-yr volume**  
**Northeastern: All Agencies CROP offering/removal '06- '10**  
**(gT = 81,597 / S = 72.58 mmbf / L = 67.875 mmbf) \*\***

**\*\*VT DNR – no data provided**

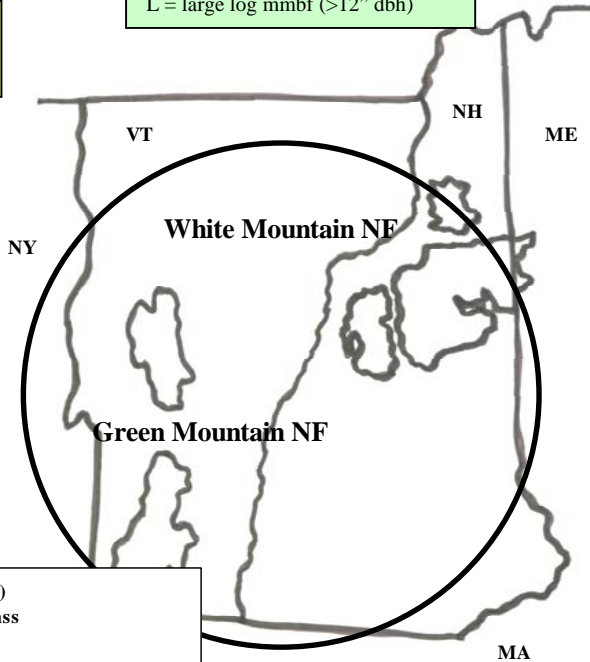
gT = green tons (up to <7" dbh)  
 S = small log mmbf (>7"-12" dbh)  
 L = large log mmbf (>12" dbh)

**White Mtn. NF: (101.806 mmbf) 65%**  
**(gT = 27,843 / S = 50.114 / L = 46.124)**

**NH DF&L: (26.184 mmbf) 17%**  
**(gT = 33,541 / S = 11.486 / L = 7.989)**

**Green Mtn. NF: (17.8 mmbf) 11%**  
**(gT = 15,000 / S = 6.7 / L = 8.1)**

**NH Counties: (2.441 mmbf) 1.5%**  
**(gT = 640.5 / S = .878 / L = 1.435)**

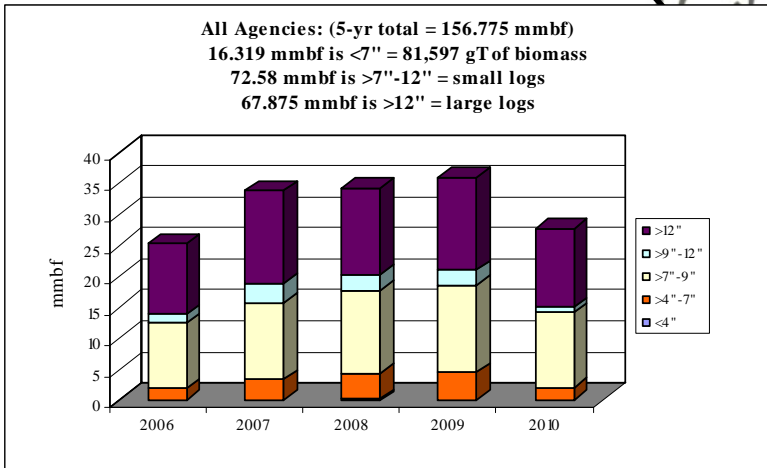


**MA DCR: (2.261 mmbf) 1.5%**  
**(gT = 1,925 / S = .484 / L = 1.392)**

**VT Counties: (2.24 mmbf) 1.5%**  
**(gT = 43.75 / S = .926 / L = 1.305)**

**MA DFW: (2.102 mmbf) 1.5%**  
**(gT = 450 / S = 1.039 / L = .973)**

**ME IFW: (1.939 mmbf) 1%**  
**(gT = 2,154 / S = .952 / L = .556)**

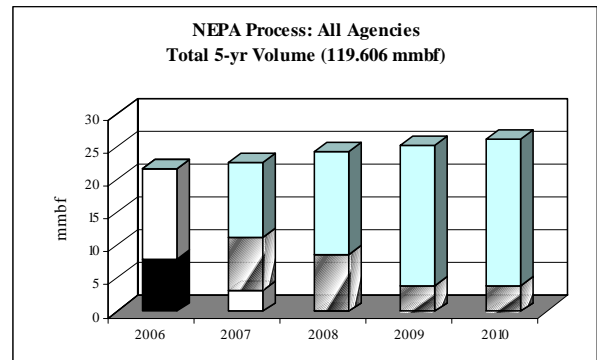
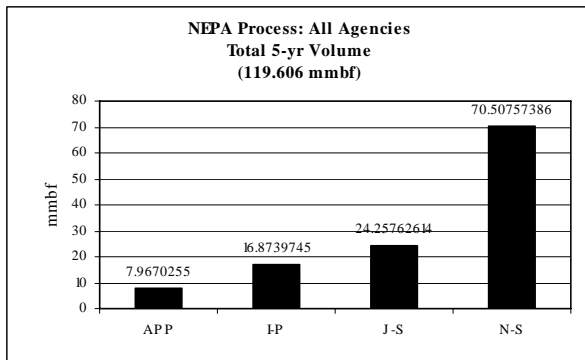
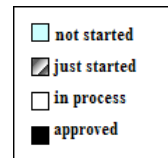


	gT	mmbf	
	Biomass	Small Log	Large Log
2006	9578.7	11.948763	11.363205
2007	16779.50001	15.477766	14.982862
2008	22081.55	15.775233	13.978055
2009	22454.75	16.530483	14.935505
2010	10702.75	12.848183	12.615705
<b>Totals</b>	<b>81597.25001</b>	<b>72.58042801</b>	<b>67.87533201</b>
<b>%</b>	<b>10%</b>	<b>46%</b>	<b>43%</b>
<b>mmbf</b>	<b>16.31945</b>		

**156.77521**

Northeastern NEPA Process – All Agencies:  
 Total 5-yr volume (119.606 mmbf; includes gT as mmbf)

	<i>mmbf</i>	<i>% of total</i>
<i>Approved (APP)</i>	<b>7.967</b>	<b>7%</b>
<i>In process (I-P)</i>	<b>16.874</b>	<b>14%</b>
<i>Just started (J-S)</i>	<b>24.258</b>	<b>20%</b>
<i>Not started (N-S)</i>	<b>70.507</b>	<b>59%</b>



**Total 5-yr volume**  
**Northeastern: All Agencies CROP offering/removal '06- '10**  
**(gT = 81,597 / S = 72.58 mmbf / L = 67.875 mmbf) \*\***

gT = green ton  
S = small log/mmbf  
L = large log/mmbf

**\*\*VT DNR – no data provided**

**White Mtn. NF:** (gT = 27,843 / S = 50.114 / L = 46.124)\*

- A Androscroggin RD (gT = 6,963 / S = 12.529 / L = 11.53)
- B Saco RD (gT = 10,302 / S = 18.542 / L = 17.066)
- C Ampe RD (gT = 10,578 / S = 19.043 / L = 17.527)

**NH DF & L:**

- D NH DF & L (gT = 33,541 / S = 11.486 / L = 7.989)

**Green Mtn. NF:** (gT = 15,000 / S = 6.7 / L = 8.1)

- E Manchester RD (gT = 11,500 / S = 3.8 / L = 4.3)
- F Rochester RD (gT = 2,000 / S = 1.4 / L = 2.8)
- G Middlebury RD (gT = 1,500 / S = 1.5 / L = 1)

**MA DCR:**

- H MA DCR (gT = 1,925 / S = .484 / L = 1.391)

**NH Counties:** (gT = 640 / S = .878 / L = 1.435)

- I Sullivan Co. (gT = 478 / S = .574 / L = 1.243)
- J Grafton Co. (gT = 162.5 / S = .3043 / L = .1926)

**VT DNR: no data provided**

**VT Counties:** (gT = 43.75 / S = .926 / L = 1.305)

- K Windsor Co. (gT = 0 / S = .09 / L = .21)
- L Rutland Co. (gT = 43.75 / S = .04 / L = .101)
- M Washington Co. (gT = 0 / S = .36 / L = .54)
- N Orleans Co. (gT = 0 / S = .004 / L = .006)
- O Orange Co. (gT = 0 / S = .42 / L = .4)
- P Addison Co. (gT = 0 / S = .012 / L = .048)

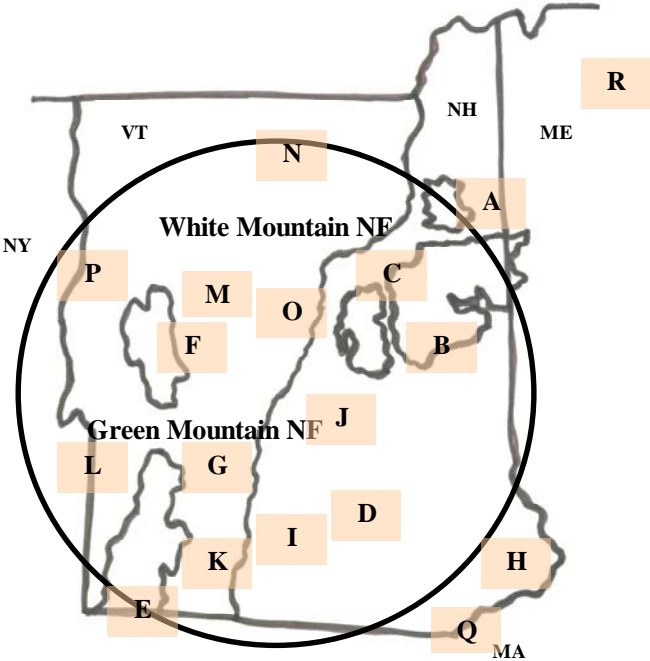
**MA DFW:**

- Q MA DFW (gT = 450 / S = 1.039 / L = .973)

**ME IFW:**

- R ME IFW (gT = 2,154 / S = .952 / L = .556)

\* 5-yr volume offering



**Northeastern: Hardwoods\* CROP offering/removal '06 – '10  
(gT = 58,255 / S = 55.388 mmbf / L = 8.596 mmbf) \*\***

\* Black Cherry, Hickory, Poplar, Oaks (Black, Red, White),  
White Ash, White & Yellow Birch, Aspen

gT = green tons (up to <7" dbh)  
S = small log mmbf (>7"-12" dbh)  
L = large log mmbf (>12" dbh)

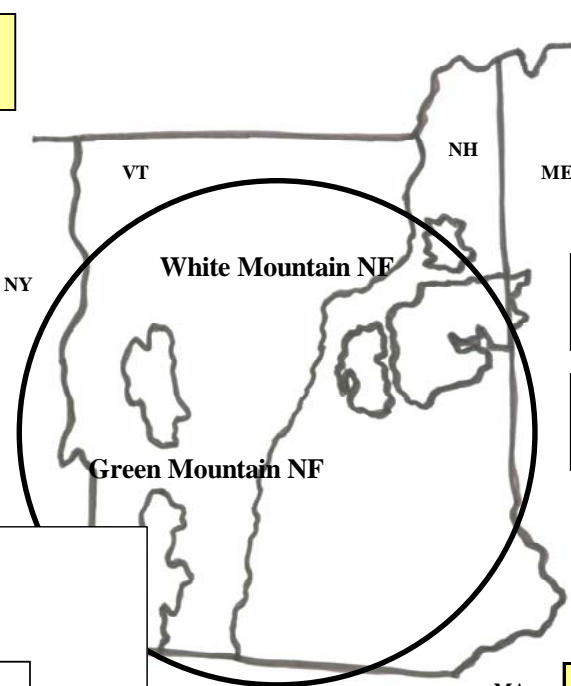
\*\* VT DNR – no data provided

**White Mtn. NF: 3 RDs (55.564 mmbf) 73%**  
(gT = 25,899 / S = 46.607 / L = 3.777)

**NH DF&L: (15.676 mmbf) 21%**  
(gT = 29,538 / S = 7.177 / L = 2.59)

**Green Mtn. NF: 3 RDs (3.097 mmbf) 4%**  
(gT = 2,280 / S = 1.102 / L = 1.539)

**NH Counties: 2 Counties (.817 mmbf) 1%**  
(gT = 226 / S = .352 / L = .419)

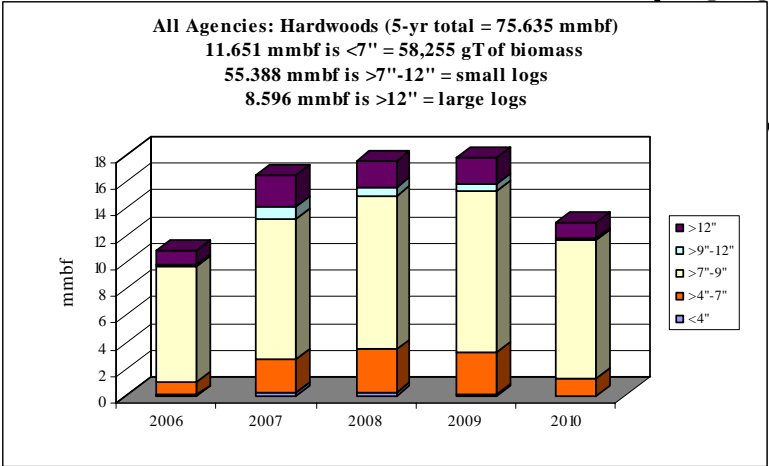


**MA DCR: (.303 mmbf) <1%**  
(gT = 258 / S = .0649 / L = .186)

**VT Counties: 3 Counties (.117 mmbf) <1%**  
(gT = 0 / S = .052 / L = .065)

**MA DFW: (.0204 mmbf) <1%**  
(gT = 0 / S = .0133 / L = .0071)

**ME IFW: (.0405 mmbf) <1%**  
(gT = 54 / S = .0198 / L = .0099)



MA	gT	mmbf	
	Biomass	Small Log	Large Log
2006	5096.09	8.746392321	1.071739571
2007	13292.00186	11.48076381	2.366179571
2008	17136.09	12.15578232	1.998199571
2009	16428.84	12.54698232	1.915149571
2010	6302.59	10.45858232	1.244699571
<b>Totals</b>	<b>58255.61186</b>	<b>55.3885031</b>	<b>8.595967853</b>
<b>%</b>	<b>15%</b>	<b>73%</b>	<b>11%</b>
<b>mmbf</b>	<b>11.65112237</b>		

**75.63559332**

**Northeastern: Softwoods\* CROP offering/removal '06 - '10**  
**(gT = 7,390 / S = 8.838 mmbf / L = 9.536 mmbf)\*\***

\* Eastern Hemlock, Austrian Pine, Pitch Pine, Red Pine, Scots Pine, White Pine, Spruce/Fir, Balsam Fir

gT = green tons (up to <7" dbh)  
 S = small log mmbf (>7"-12" dbh)  
 L = large log mmbf (>12" dbh)

\*\* VT DNR – no data provided

**White Mtn. NF: 3 RDs (7.287 mmbf) 37%**  
**(gT = 1,944 / S = 3.506 / L = 3.392)**

**NH DF&L: (10.508 mmbf) 53%**  
**(gT = 4,003 / S = 4.309 / L = 5.398)**

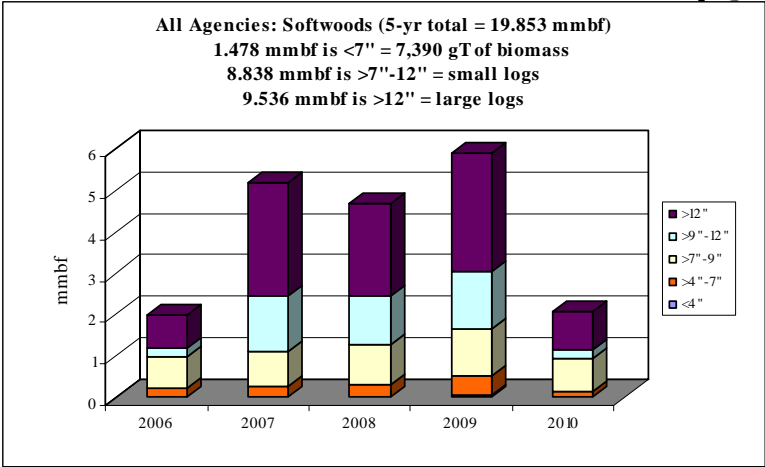
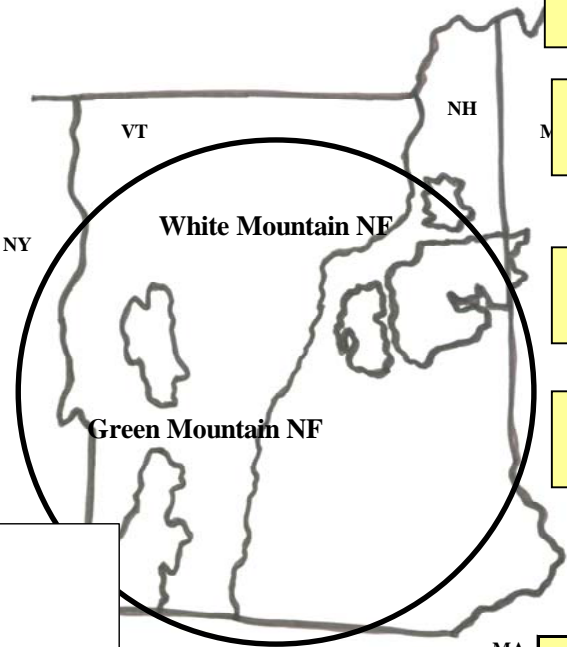
**NH Counties: 2 Counties (.086 mmbf) <1%**  
**(gT = 22.7 / S = .031 / L = .051)**

**MA DCR: (.607 mmbf) 3%**  
**(gT = 516.8 / S = .13 / L = .374)**

**VT Counties: 3 Counties (.427 mmbf) 2%**  
**(gT = 43.75 / S = .247 / L = .171)**

**MA DFW: (.664 mmbf) 4%**  
**(gT = 225 / S = .501 / L = .1182)**

**ME IFW: (.273 mmbf) 1%**  
**(gT = 635 / S = .114 / L = .032)**



MA	gT	mmbf	
	Biomass	Small Log	Large Log
2006	1137.5725	0.974283086	0.791548318
2007	1356.28216	2.198974814	2.732485318
2008	1655.4225	2.129163086	2.220938318
2009	2607.3725	2.503113086	2.854338318
2010	633.6225	1.032913086	0.936788318
<b>Totals</b>	<b>7390.27216</b>	<b>8.838447158</b>	<b>9.53609859</b>
<b>%</b>	<b>7%</b>	<b>45%</b>	<b>48%</b>
<b>mmbf</b>	<b>1.478054432</b>		

**19.85260018**



**Northeastern: Sugar Maple CROP offering/removal '06 – '10  
(gT = 2,811 / S = 1.375 mmbf / L = 17.284 mmbf)\*\***

\*\* VT DNR – no data provided

gT = green tons (up to <7" dbh)  
S = small log mmbf (>7"-12" dbh)  
L = large log mmbf (>12" dbh)

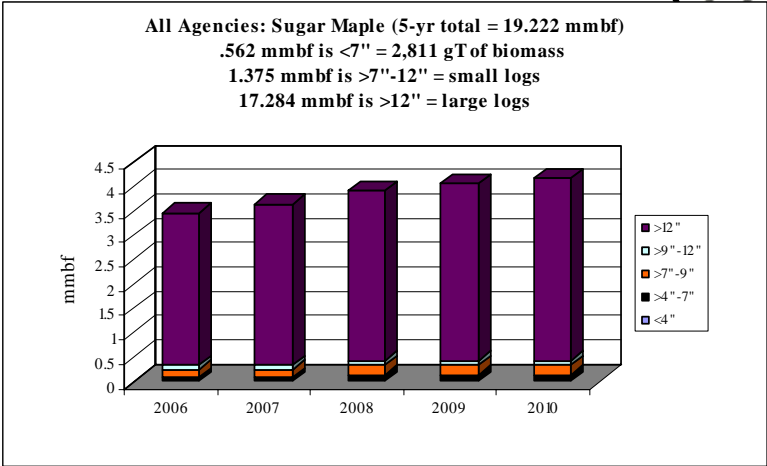
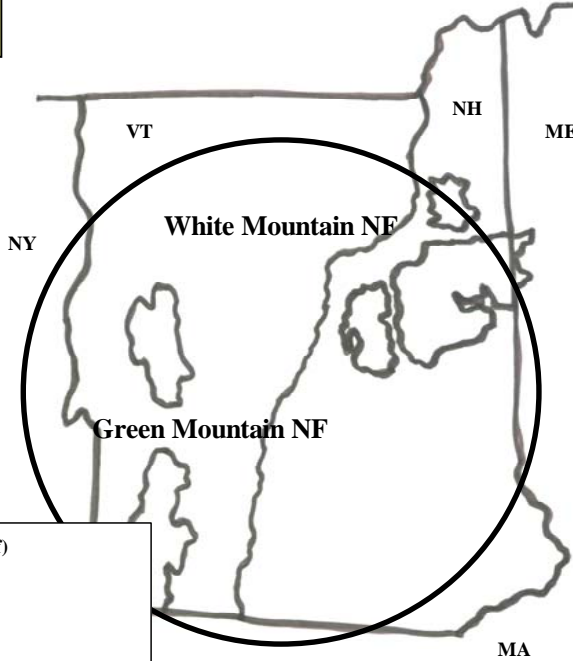
**White Mtn. NF: 3 RDs (15.309 mmbf) 80%  
(gT = 0 / S = 0 / L = 15.309)**

**Green Mtn. NF: 3 RDs (3.749 mmbf) 19%  
(gT = 2,760 / S = 1.334 / L = 1.863)**

**NH Counties: 1 County (.05 mmbf) <1%  
(gT = 12.5 / S = .015 / L = .0325)**

**MA DCR: (.045 mmbf) <1%  
(gT = 38.5 / S = .0097 / L = .0278)**

**VT Counties: 2 Counties (.069 mmbf) <1%  
(gT = 0 / S = .0165 / L = .0525)**



	gT	mmbf	
	Biomass	Small Log	Large Log
2006	352.7	0.25493766	3.1243671
2007	362.7	0.26693766	3.2943671
2008	697.7	0.28633766	3.4919671
2009	700.2	0.28903766	3.6277671
2010	697.7	0.27793766	3.7463671
<b>Totals</b>	<b>2811</b>	<b>1.3751883</b>	<b>17.2848355</b>
%	3%	7%	90%
mmbf	0.5622		

**19.2222238**

**Northeastern: Red Maple CROP offering/removal '06 – '10  
(gT = 3,856 / S = 1.935 mmbf / L = 6.859 mmbf)\*\***

\*\* VT DNR – no data provided

gT = green tons (up to <7" dbh)  
S = small log mmbf (>7"-12" dbh)  
L = large log mmbf (>12" dbh)

**White Mtn. NF: 3 RDs (4.107 mmbf) 43%**  
(gT = 0 / S = 0 / L = 4.107)

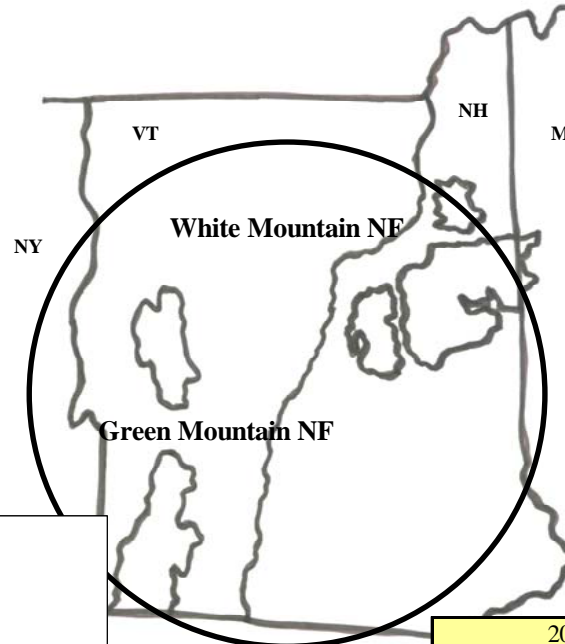
**Green Mtn. NF: 3 RDs (5.053 mmbf) 53%**  
(gT = 3,720 / S = 1.798 / L = 2.511)

**NH Counties: 1 County (.218 mmbf) 2%**  
(gT = 54.5 / S = .0654 / L = .1417)

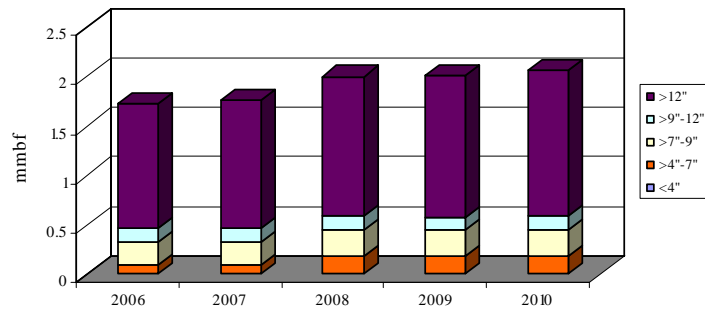
**MA DCR: (.0961 mmbf) 1%**  
(gT = 81.8 / S = .0206 / L = .0591)

**VT Counties: 2 Counties (.027 mmbf) <1%**  
(gT = 0 / S = .0081 / L = .0189)

**MA DFW: (.0642 mmbf) 1%**  
(gT = 0 / S = .0429 / L = .0213)



**All Agencies: Red Maple (5-yr total = 9.565 mmbf)**  
.771 mmbf is <7" = 3,856 gT of biomass  
1.935 mmbf is >7"-12" = small logs  
6.859 mmbf is >12" = large logs



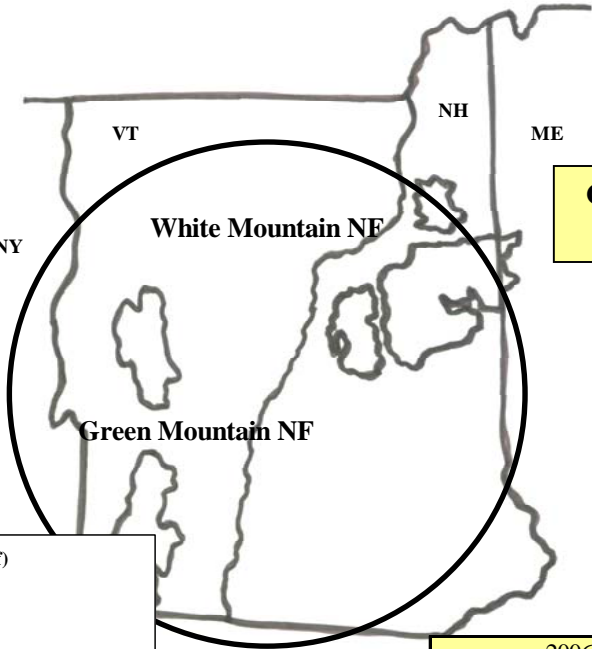
	gT	mmbf	
	Biomass	Small Log	Large Log
2006	493.8625	0.366517528	1.256730088
2007	496.8625	0.363717528	1.300130088
2008	961.3625	0.406617528	1.405730088
2009	952.6125	0.391717528	1.433780088
2010	951.6125	0.406417528	1.462680088
<b>Totals</b>	<b>3856.3125</b>	<b>1.93498764</b>	<b>6.85905044</b>
%	8%	20%	72%
mmbf	0.7712625		

**9.56530058**

**Northeastern: Yellow Birch CROP offering/removal '06 – '10  
(gT = 1,800 / S = .87 mmbf / L = 8.457 mmbf)\*\***

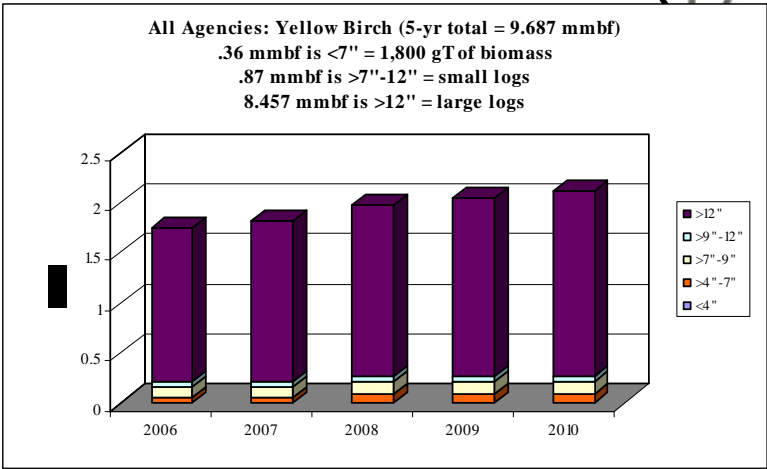
\*\* VT DNR – no data provided

gT = green tons (up to <7" dbh)  
S = small log mmbf (>7"-12" dbh)  
L = large log mmbf (>12" dbh)



**White Mtn. NF: 3 RDs (7.242 mmbf) 75%  
(gT = 0 / S = 0 / L = 7.242)**

**Green Mtn. NF: 3 RDs (2.445 mmbf) 25%  
(gT = 1,800 / S = .87 / L = 1.215)**



	gT	mmbf	
	Biomass	Small Log	Large Log
2006	225	0.165	1.539
2007	225	0.165	1.6062
2008	450	0.18	1.7034
2009	450	0.18	1.7706
2010	450	0.18	1.8378
<b>Totals</b>	<b>1800</b>	<b>0.87</b>	<b>8.457</b>
%	4%	9%	87%
mmbf	0.36		

**9.687**

**Northeastern: White Pine CROP offering/removal '06 – '10  
(gT = 2,652 / S = 2.092 mmbf / L = 5.385 mmbf)\*\***

\*\* VT DNR – no data provided

gT = green tons (up to <7" dbh)  
S = small log mmbf (>7"-12" dbh)  
L = large log mmbf (>12" dbh)

**White Mtn. NF: 3 RDs (2.31 mmbf) 29%**  
(gT = 0 / S = 0 / L = 2.31)

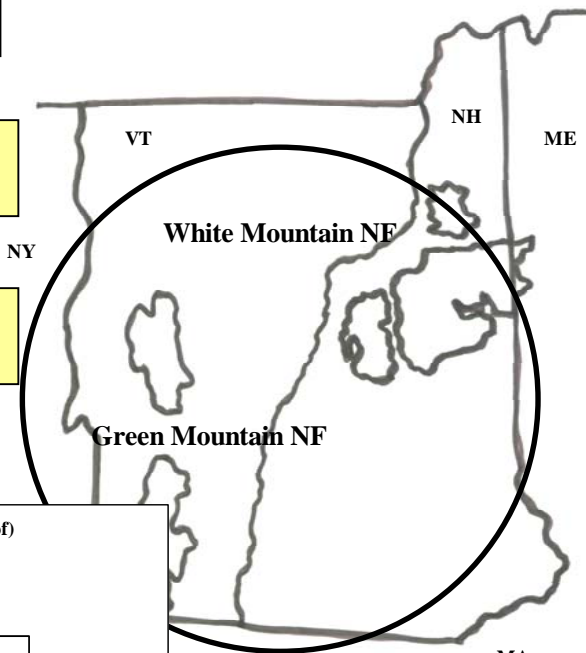
**MA DCR: (.882 mmbf) 11%**  
(gT = 750.7 / S = .189 / L = .543)

**NH Counties: 2 Counties (1.247 mmbf) 16%**  
(gT = 317 / S = .399 / L = .785)

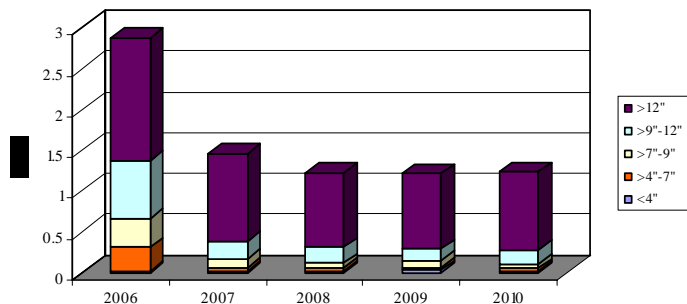
**MA DFW: (1.33 mmbf) 17%**  
(gT = 225 / S = .467 / L = .8182)

**VT Counties: 5 Counties (.634 mmbf) 8%**  
(gT = 0 / S = .219 / L = .415)

**ME IFW: (1.6 mmbf) 20%**  
(gT = 1,360 / S = .8186 / L = .5143)



**All Agencies: White Pine (5-yr total = 8.008 mmbf)**  
.53 mmbf is <7" = 2,652 gT of biomass  
2.092 mmbf is >7"-12" = small logs  
5.385 mmbf is >12" = large logs



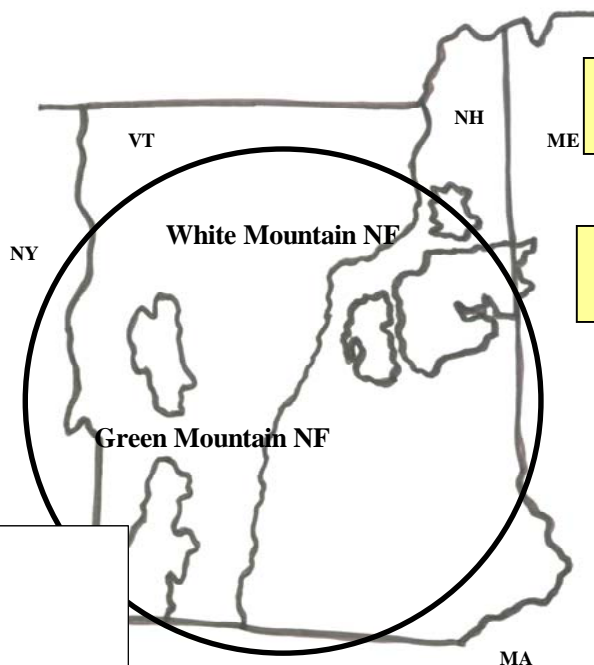
	gT	mmbf	
	Biomass	Small Log	Large Log
2006	1537.65	1.05859437	1.51149845
2007	303.83582	0.325614026	1.07875845
2008	265.15	0.25578437	0.91455845
2009	294.9	0.22828437	0.92320845
2010	251.4	0.22428437	0.95720845
<b>Totals</b>	<b>2652.93582</b>	<b>2.092561506</b>	<b>5.38523225</b>
<b>%</b>	<b>7%</b>	<b>26%</b>	<b>67%</b>
<b>mmbf</b>	<b>0.530587164</b>		

**8.00838092**

**Northeastern: Spruce Species CROP offering/removal '06 – '10  
(gT = 3,144 / S = 1.289 mmbf / L = 3.26 mmbf)\*\***

**\*\* VT DNR – no data provided**

gT = green tons (up to <7" dbh)  
S = small log mmbf (>7"-12" dbh)  
L = large log mmbf (>12" dbh)



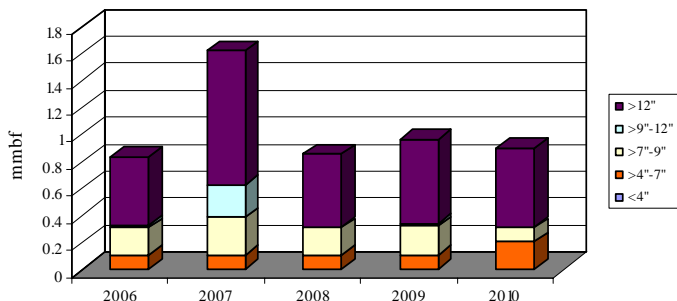
**White Mtn. NF: 3 RDs (2.61 mmbf) 50%  
(gT = 0 / S = 0 / L = 2.61)**

**Green Mtn. NF: 2 RDs (1.5 mmbf) 29%  
(gT = 3,000 / S = .9 / L = 0)**

**MA DCR: (.169 mmbf) 3%  
(gT = 144.3 / S = .036 / L = .104)**

**VT Counties: (.899 mmbf) 17%  
(gT = 0 / S = .352 / L = .546)**

**All Agencies: Spruce Species (5-yr total = 5.179 mmbf)  
.629 mmbf is <7" = 3,144 gT of biomass  
1.289 mmbf is >7"-12" = small logs  
3.26 mmbf is >12" = large logs**



	mmbf		
	gT Biomass	Small Log	Large Log
2006	528.875	0.219956225	0.509736625
2007	528.875	0.522266225	0.991376625
2008	528.875	0.207266225	0.542876625
2009	528.875	0.232466225	0.625676625
2010	1028.875	0.107266225	0.590876625
<b>Totals</b>	<b>3144.375</b>	<b>1.289221125</b>	<b>3.260543125</b>
%	12%	25%	63%
mmbf	0.628875		

**5.17863925**

**Northeastern: Paper Birch CROP offering/removal '06 – '10  
(gT = 1,619 / S = .768 mmbf / L = 4.098 mmbf)\*\***

\*\* VT DNR – no data provided

gT = green tons (up to <7" dbh)  
S = small log mmbf (>7"-12" dbh)  
L = large log mmbf (>12" dbh)

**White Mtn. NF: 3 RDs (3.03 mmbf) 58%**  
(gT = 0 / S = 0 / L = 3.03)

**Green Mtn. NF: 3 RDs (1.956 mmbf) 38%**  
(gT = 1,440 / S = .696 / L = .972)

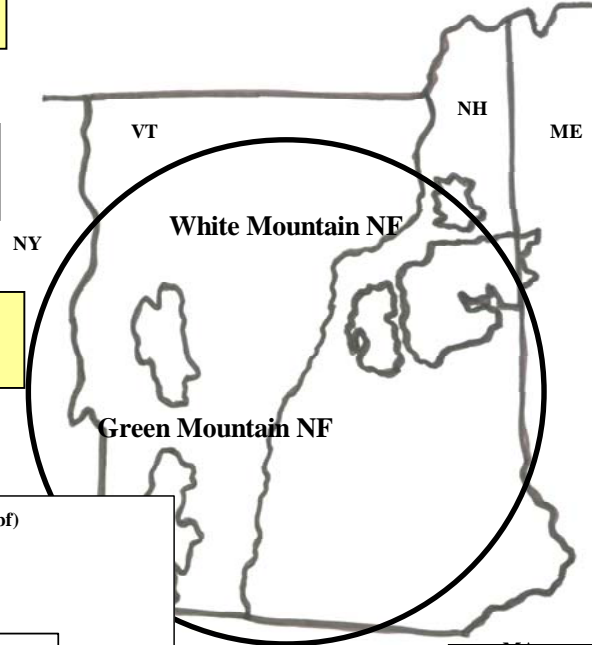
**NH Counties: 1 County (.0227 mmbf) <1%**  
(gT = 7 / S = .0157 / L = .0057)

**MA DCR: (.079 mmbf) 2%**  
(gT = 67 / S = .0169 / L = .0487)

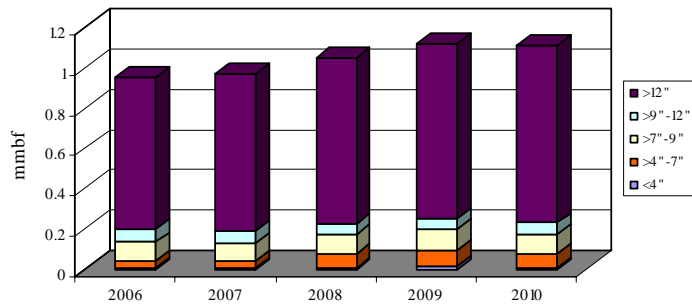
**VT Counties: 2 Counties (.067 mmbf) 1%**  
(gT = 0 / S = .031 / L = .0364)

**MA DFW: (.0147 mmbf) <1%**  
(gT = 0 / S = .0091 / L = .0055)

**ME IFW: (.021 mmbf) <1%**  
(gT = 105 / S = 0 / L = 0)



**All Agencies: Paper Birch (5-yr total = 5.19 mmbf)**  
.323 mmbf is <7" = 1,619 gT of biomass  
.768 mmbf is >7"-12" = small logs  
4.098 mmbf is >12" = large logs



	gT	mmbf	
	Biomass	Small Log	Large Log
2006	193.475	0.158790905	0.755942425
2007	200.467665	0.151101037	0.772622425
2008	373.475	0.149140905	0.820492425
2009	478.475	0.155490905	0.867442425
2010	373.475	0.153890905	0.881842425
<b>Totals</b>	<b>1619.367665</b>	<b>0.768414657</b>	<b>4.098342125</b>
%	6%	15%	79%
mmbf	0.323873533		

**5.190630315**

**Northeastern: Beech CROP offering/removal '06 – '10  
(gT = 67.375 / S = .0231 mmbf / L = 4.435mmbf)\*\***

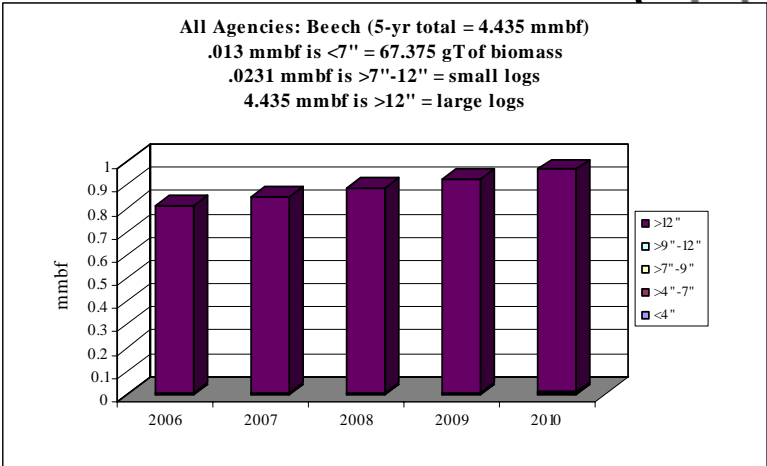
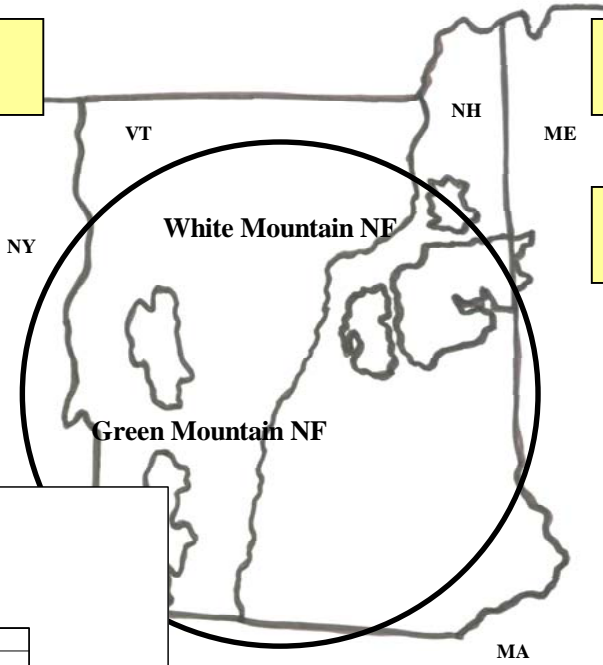
gT = green tons (up to <7" dbh)  
S = small log mmbf (>7"-12" dbh)  
L = large log mmbf (>12" dbh)

\*\* VT DNR – no data provided

**White Mtn. NF: 3 RDs (4.347 mmbf) 98%  
(gT = 0 / S = 0 / L = 4.347)**

**MA DCR: (.079 mmbf) 2%  
(gT = 67.375 / S = .0169 / L = .0487)**

**MA DFW: (.0087 mmbf) <1%  
(gT = 0 / S = .0062 / L = .0026)**



	gT	mmbf	
	Biomass	Small Log	Large Log
2006	13.475	0.004290905	0.802642425
2007	13.475	0.003390905	0.840742425
2008	13.475	0.005140905	0.879892425
2009	13.475	0.003390905	0.917542425
2010	13.475	0.006890905	0.957442425
<b>Totals</b>	<b>67.375</b>	<b>0.023104525</b>	<b>4.398262125</b>
%	0%	1%	99%
mmbf	0.013475		

**4.43484165**

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