2011 NEW HAMPSHIRE

WILDLIFE HARVEST

SUMMARY

NEW HAMPSHIRE
FISH AND GAME DEPARTMENT
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We thank our partners in wildlife conservation, hunters and shooters, U.S. Fish and Wildlife Service and private industry.

Excise taxes collected on firearms, ammunition and archery equipment are distributed to state agencies like the N.H. Fish and Game Department to conduct research, restore and manage wildlife populations, purchase habitat, conduct hunter education programs and create opportunities for hunting and other wildlife-associated recreation.

You are the key to wildlife restoration success in New Hampshire!

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2011 WHITE-TAILED DEER HARVEST SUMMARY

New Hampshire's 2011 deer season resulted in a total harvest of 11,109. This was an increase of 14% from 9,759 in 2010. The adult buck (antlered males age 1.5+) kill was up from 6,015 in 2010 to 6,549 in 2011. The antlerless harvest also increased from 3,744 in 2010 to 4,560 in 2011. Recent limitations on either-sex hunting has helped speed up population recovery in much of the state. The Department has generated an annual Winter Severity Index (WSI) since 1964. The index assesses the duration of snow depths in excess of 18 inches and minimum temperatures below 0° F from December through April and provides an indication of potential winter impacts on the deer population. The statewide average WSI for the winter of 2010-11 was somewhat above average statewide. However, significant snow melt in early to mid-March 2011 helped with late-winter deer survival and avoided what could have been another setback for New Hampshire's deer.

The total male kill in 2011 including male fawns was 7,396 and the total female kill including female fawns was 3,713. The 2011 general season framework, either-sex hunting opportunities and a map of WMUs are provided in a subsequent figure in this report.

The kill during the special youth weekend hunt was 475, up 21% from 392 in 2010. This was the third highest youth weekend kill since the season began in 1999. Archery hunters took 2,787 deer in 2011, up from 1,984 in 2010. The muzzleloader kill in 2011 was 2,251, similar to the 2,219 taken in 2010 while "regular" firearm hunters took 5,596 deer in 2011, up from 5,164 in 2010. Subsequent tables give additional details on the harvest by season, sex and WMU.

Biological information was again collected during 2011 at select deer registration stations in order to monitor the physical condition of New Hampshire's deer and assess harvest age structure. In 2011 a total of 779 deer were checked (451 males, 328 females). Average yearling (age 1.5) antler beam diameter was 18.3 millimeters and yearling male field dressed weight averaged 117 pounds. Both of these values remain above the recent 5-year averages of 17.6 millimeters and 114 pounds respectively, and are indicative of a deer population that continues to be in good physical condition and below the biological carrying capacity of our deer habitat. The statewide yearling male fraction, the percentage of adult bucks consisting of yearlings, for the 2011 harvest was 48.5%, up from 43.4% in 2010 and somewhat higher than the 5-year average of 45.9%. Over half of adult males taken in NH in 2011 continue to be 2.5 years old or older. The distribution of older adult bucks at biological check stations was 24% at 2.5 years old, 18% at 3.5 years, 6% at 4.5 years and 4% at 5.5+ years old. Mature bucks at 4.5 years old averaged 188 pounds dressed weight with an average of 8.3 antler points, while bucks 5.5+ years old averaged 195 pounds and averaged 8.1 points.

Deer population management efforts in the near future will be primarily focused on achieving WMU-specific deer population objectives as provided by New Hampshire's Big Game Management Plan. In most of the state, this continues to be geared toward increasing the deer population. The reduced female kill in recent years has helped population recovery in many units. To date (January

2012), the winter of 2011-12 has been well below the average WSI and, combined with limited doe kills will again help achieve the desired population growth in other units that remain below the population objectives.

DEER POPULATION OBJECTIVES BY WILDLIFE MANAGEMENT UNIT

Deer management decisions are based on our existing Big Game Population Management Plan. The objectives of this plan span the period 2006-2015 and are summarized in the following table. A negative (-) value under "desired % change" indicates a need to decrease the population to achieve the objective while a positive (+) value reflects a need to increase the population.

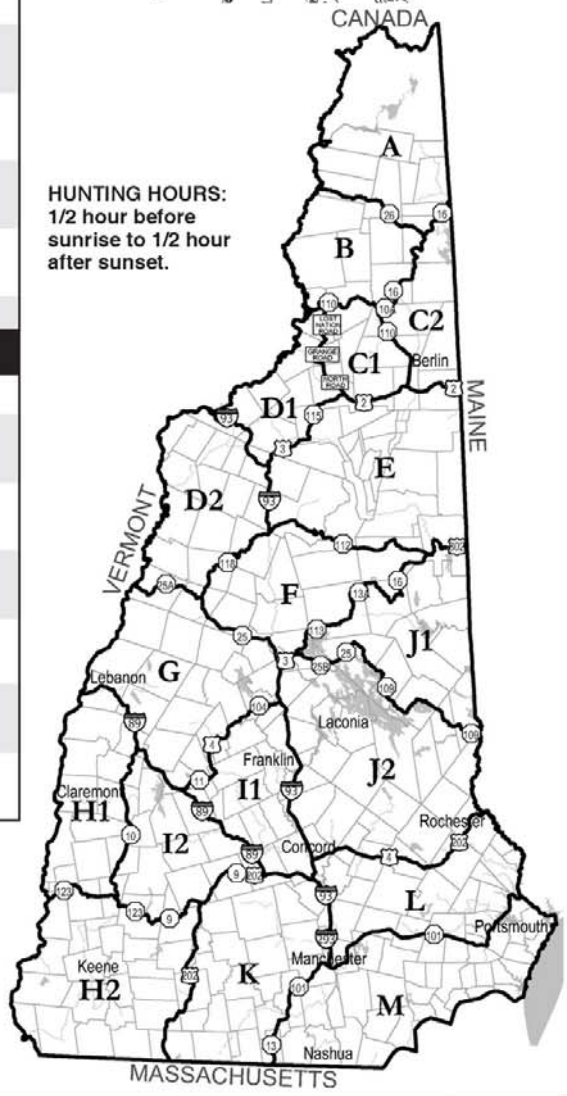
	EXPRESSED AS ADULT (AGE 1.5+) MALE KILL		
WMU	OBJECTIVE	CURRENT LEVEL[1]	DESIRED % CHANGE
A	335	274	+22%
B	125	104	+20%
C1	100	42	+138%
C2	125	70	+79%
D1	260	136	+91%
D2	530	436	+22%
E	100	66	+52%
F	150	92	+63%
G	530	451	+18%
H1	460	392	+17%
H2	750	575	+30%
I1	330	204	+62%
I2	360	224	+61%
J1	375	279	+34%
J2	940	911	+3%
K	735	661	+11%
L	525	549	-4%
M	535	820	-35%
TOTAL	**7265**	**6282**	**+16%**

[1] - 2-year running average of adult (age 1.5+) male kill.

2011 N.H. DEER SEASON

TYPE	INCLUSIVE DATES	WILDLIFE MGMT. UNITS
ARCHERY		
Antlered Only Any Deer	Sept. 15 – Sept. 30 Oct. 1 – **Dec. 8**	A
Antlered Only Any Deer	Sept. 15 – Sept. 30 Oct. 1 – Dec. 15	B-M
YOUTH WEEKEND**		
Any Deer	Oct. 22 – Oct. 23	STATEWIDE
MUZZLELOADER		
Antlered Only	Oct. 29 – Nov. 8	A, B, C^1, C^2, D^1, E, F, G, I^1, I^2 J^1
Any Deer Antlered Only	Oct. 29 ONLY Oct. 30 – Nov. 8	D^2, J^2
Any Deer Antlered Only	Oct. 29 – Oct. 30 Oct. 31 – Nov. 8	K
Any Deer Antlered Only	Oct. 29 – Oct. 31 Nov. 1 – Nov. 8	H^1, H^2
Any Deer Antlered Only	Oct. 29 – Nov. 4 Nov. 5 – Nov. 8	L
Any Deer	Oct. 29 – Nov. 8	M
FIREARM		
Antlered Only	Nov. 9 – **Nov. 27**	A
Antlered Only	Nov. 9 – Dec. 4	B, C^1, C^2, D^1, E, F, G, I^1, I^2, J^1
Any Deer Antlered Only	Nov. 9 ONLY Nov. 10 – Dec. 4	D^2, J^2
Any Deer Antlered Only	Nov. 9 – Nov. 10 Nov. 11 – Dec. 4	K
Any Deer Antlered Only	Nov. 9 – Nov. 11 Nov. 12 – Dec. 4	H^1, H^2
Any Deer Antlered Only	Nov. 9 – Nov. 15 Nov. 16 – Dec. 4	L
Any Deer Antlered Only	Nov. 9 – Nov. 18 Nov. 19 – Dec. 4	M

FIREARM OPENING DAY NOVEMBER 9, 2011



HUNTING HOURS: 1/2 hour before sunrise to 1/2 hour after sunset.

DEFINITIONS –

Antlered Deer: Deer with at least one antler three (3) inches long.
Antlerless Deer: A deer without antlers or with antlers less than 3 inches long.
Any Deer: All deer regardless of sex or age.
** Nonresident youth hunters may participate provided NH youth can hunt during youth deer hunts in their state of residence.

2012 Firearm Opening Day: Nov. 14, 2012

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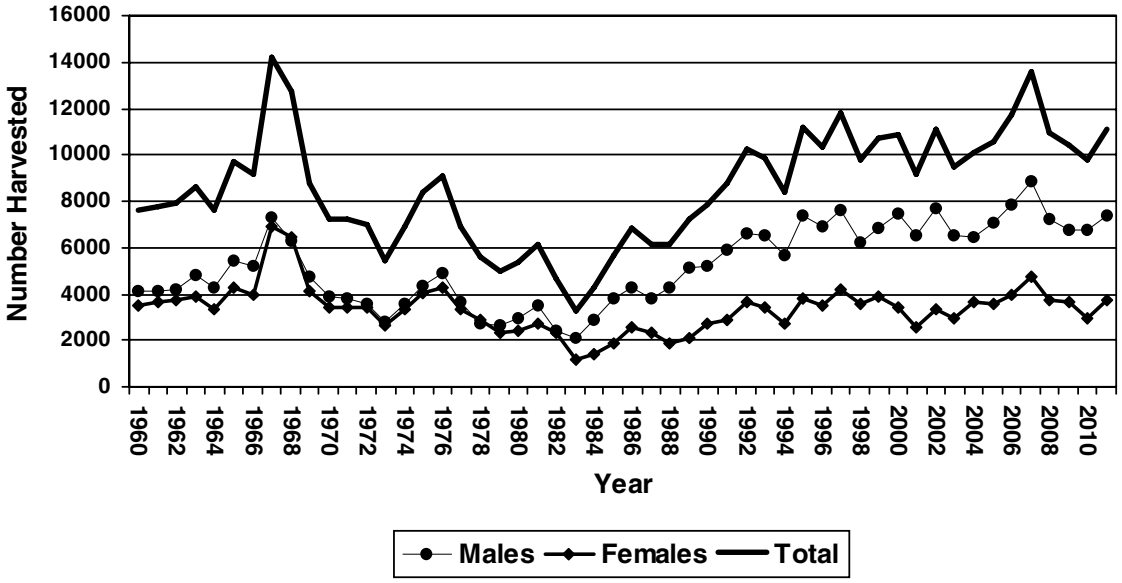
TOTAL AND SEX-SPECIFIC DEER HARVEST FOR THE 1960-2011 HUNTING SEASONS

The graph below shows the number of male, female and total deer harvested from 1960 through 2011. The highest total harvest (14,204 deer) occurred in 1967, the second highest (13,559) in 2007 and lowest (3,280) in 1983. Earlier harvests contained nearly equal portions of males and females and were the result of very liberal either-sex hunting seasons. High female harvest rates, combined with severe winter weather, caused the state's deer population to decrease from the late 1960s until the early 1980s. In 1983, the Department dramatically reduced the number of either-sex hunting days in most areas of the state to allow populations to begin to increase. Since then, female kill has been consistently lower than the male kill.

The graph below shows a highly variable deer harvest over the past five decades. Many factors can affect the number of deer harvested in any given year such as: deer population density, habitat availability and productivity, hunter density and access, weather severity (all seasons), natural food production, and the Department's season objectives (with respect to management plan goals). All of the above factors have changed with time and will continue to change in years to come. When WMU-specific deer populations reach management plan objectives, the total harvest will rival that of 1967, but the herd will be at a higher level, and more importantly, the harvests will be more sustainable. In addition to hunting, winter severity will continue to play a major role in deer population status in New Hampshire.

Reduced antlerless kills over the past several years have helped speed population recovery and resulted in an increase in statewide harvest to 11,109 during the 2011 season.



DEER KILL BY SEX, SEASON AND WILDLIFE MANAGEMENT UNIT IN 2011

The following tables give the deer kill for the archery season, youth weekend, muzzleloader season and the regular firearm season. The Wildlife Management Unit (WMU) specific and overall deer kill per square mile reported in these tables is based on estimates of square miles of deer habitat. These estimates were derived as part of the New Hampshire Big Game Management Plan that will guide deer management from 2006 to 2015.

MALE KILL BY SEASON AND WILDLIFE MANAGEMENT UNIT DURING 2011

	WILDLIFE MANAGEMENT UNIT (WMU)																		
SEASON	**A**	**B**	**C1**	**C2**	**D1**	**D2**	**E**	**F**	**G**	**H1**	**H2**	**I1**	**I2**	**J1**	**J2**	**K**	**L**	**M**	**ALL**
ARCHERY	27	8	7	13	20	104	4	10	90	67	90	27	29	24	272	151	155	273	1371
YOUTH	6	0	2	1	1	32	1	2	17	7	10	3	4	7	43	26	10	8	180
MUZZL.	21	10	5	9	11	87	7	10	89	116	138	31	35	25	207	143	164	292	1400
FIREARM	192	73	32	53	99	278	52	70	310	242	399	160	170	233	670	495	383	534	4445
TOTAL	**246**	**91**	**46**	**76**	**131**	**501**	**64**	**92**	**506**	**432**	**637**	**221**	**238**	**289**	**1192**	**815**	**712**	**1107**	**7396**
KILL /	0.45		0.24		0.61		0.09		0.82		0.98		0.67		1.61		1.71		0.91
SQ. MI.		0.28		0.33		1.13		0.20		1.14		0.68		0.66		1.40		2.07	

FEMALE KILL BY SEASON AND WILDLIFE MANAGEMENT UNIT DURING 2011

	WILDLIFE MANAGEMENT UNIT (WMU)																		
SEASON	**A**	**B**	**C1**	**C2**	**D1**	**D2**	**E**	**F**	**G**	**H1**	**H2**	**I1**	**I2**	**J1**	**J2**	**K**	**L**	**M**	**ALL**
ARCHERY	34	13	9	14	32	127	3	8	113	74	110	33	41	35	257	178	121	214	1416
YOUTH	9	3	0	1	8	58	1	2	28	24	16	5	9	10	57	30	15	19	295
MUZZL.	0	0	0	0	0	30	0	0	0	92	84	0	0	1	91	70	138	345	851
FIREARM	0	0	0	0	1	47	0	0	0	117	114	0	0	0	140	92	195	445	1151
TOTAL	**43**	**16**	**9**	**15**	**41**	**262**	**4**	**10**	**141**	**307**	**324**	**38**	**50**	**46**	**545**	**370**	**469**	**1023**	**3713**
KILL /	0.08		0.05		0.19		0.01		0.23		0.50		0.14		0.73		1.13		0.46
SQ. MI.		0.05		0.07		0.59		0.02		0.81		0.12		0.11		0.63		1.92	

TOTAL KILL BY SEASON AND WILDLIFE MANAGEMENT UNIT DURING 2011

	WILDLIFE MANAGEMENT UNIT (WMU)																		
SEASON	**A**	**B**	**C1**	**C2**	**D1**	**D2**	**E**	**F**	**G**	**H1**	**H2**	**I1**	**I2**	**J1**	**J2**	**K**	**L**	**M**	**ALL**
ARCHERY	61	21	16	27	52	231	7	18	203	141	200	60	70	59	529	329	276	487	2787
YOUTH	15	3	2	2	9	90	2	4	45	31	26	8	13	17	100	56	25	27	475
MUZZL.	21	10	5	9	11	117	7	10	89	208	222	31	35	26	298	213	302	637	2251
FIREARM	192	73	32	53	100	325	52	70	310	359	513	160	170	233	810	587	578	979	5596
TOTAL	**289**	**107**	**55**	**91**	**172**	**763**	**68**	**102**	**647**	**739**	**961**	**259**	**288**	**335**	**1737**	**1185**	**1181**	**2130**	**11109**
KILL /	0.52		0.28		0.80		0.10		1.05		1.48		0.81		2.34		2.84		1.36
SQ. MI.		0.33		0.40		1.72		0.22		1.95		0.79		0.77		2.03		3.99	

ADULT (ANTLERED) BUCK KILL BY WILDLIFE MANAGEMENT UNIT (1960-2011)

Adult buck kill is New Hampshire's most consistent index of total deer population on a historical basis. While either-sex hunting seasons have varied widely through time, adult buck seasons have remained fairly constant, and the adult buck kill provides an accurate and consistent index to change in population levels within a WMU. Adult buck kill figures prior to 1987 (the first year we have good data on a WMU basis) are estimated based on town of kill and current WMU boundaries. Since the number of deer killed in any given year can vary significantly as a result of snow cover, weather and natural food production, we use two-year averages to assess population status relative to our management efforts and population objectives.

	WILDLIFE MANAGEMENT UNIT (WMU)																		
YEAR	A	B	C1	C2	D1	D2	E	F	G	H1	H2	I1	I2	J1	J2	K	L	M	TOTAL
1960	171	164	75	126	132	200	166	86	289	160	217	165	171	258	264	225	120	146	3135
1961	221	217	96	134	220	287	165	67	232	163	180	164	165	174	225	219	111	102	3142
1962	217	232	100	118	222	279	168	70	247	190	234	145	188	185	225	197	76	64	3157
1963	158	169	63	109	147	245	157	122	402	238	286	184	210	288	312	298	139	120	3647
1964	244	185	66	134	161	230	158	110	333	217	211	123	147	306	254	207	104	66	3256
1965	301	207	87	167	205	327	236	107	506	228	244	158	160	399	355	225	128	69	4172
1966	240	168	67	137	170	309	201	152	440	215	277	147	199	406	402	241	150	75	3996
1967	310	278	109	177	268	500	234	192	491	286	371	184	236	523	596	374	209	123	5461
1968	353	232	99	163	240	410	245	178	457	236	322	139	180	467	494	234	195	75	4719
1969	235	200	82	137	175	373	166	183	472	182	210	101	141	371	262	124	122	46	3582
1970	215	134	63	102	139	288	164	146	354	133	156	84	93	313	260	88	138	64	2934
1971	166	85	55	65	112	296	121	119	317	133	186	84	106	332	337	108	216	69	2907
1972	143	79	58	72	141	352	150	99	281	113	139	86	75	295	294	100	150	71	2698
1973	138	53	42	36	84	256	90	85	187	99	107	60	49	270	288	88	137	41	2110
1974	113	47	41	52	102	296	95	101	235	128	162	87	76	353	402	122	207	89	2708
1975	116	61	54	60	132	338	121	106	294	169	237	111	96	360	526	140	243	116	3280
1976	141	83	65	80	155	315	126	133	276	180	272	140	132	363	613	211	253	145	3683
1977	109	63	49	56	127	233	103	98	211	168	221	94	104	255	441	132	170	90	2724
1978	43	28	18	25	83	146	41	41	122	151	174	85	109	170	398	125	174	117	2050
1979	22	19	10	12	70	108	24	45	128	152	176	93	103	216	403	139	208	92	2020
1980	73	41	26	39	56	111	47	46	113	154	234	93	118	220	428	130	217	125	2271
1981	94	46	23	40	91	161	54	46	134	180	256	100	142	228	459	211	255	138	2658
1982	82	39	13	26	56	97	28	25	80	137	173	71	85	139	323	130	169	114	1787
1983	79	36	15	20	38	88	20	34	141	130	149	58	94	112	280	123	161	92	1670
1984	155	63	24	25	83	174	41	33	139	143	231	78	97	191	372	149	209	143	2350
1985	190	56	32	54	91	161	69	48	173	171	327	112	130	257	494	244	288	202	3099
1986	190	65	25	42	73	156	52	42	180	221	363	132	147	328	571	255	320	228	3390
1987	189	82	18	44	79	191	37	36	144	204	340	127	128	231	499	252	265	276	3144
1988	279	71	32	38	87	149	44	47	169	196	369	131	151	245	527	296	397	332	3559
1989	270	90	45	51	106	229	66	63	222	204	443	165	176	260	655	410	448	384	4287
1990	328	102	40	60	93	195	66	62	227	221	457	141	151	248	618	388	428	410	4234
1991	248	122	54	58	128	261	68	74	309	329	535	187	185	303	713	464	474	414	4926
1992	221	93	40	40	119	285	79	74	342	358	611	248	225	331	906	482	484	496	5433
1993	212	99	38	45	133	288	68	74	343	320	595	237	254	318	874	489	473	488	5348
1994	213	82	24	38	125	251	70	53	286	327	486	234	210	257	772	429	445	489	4790
1995	388	152	48	85	169	370	92	81	376	412	599	220	265	343	939	539	502	546	6125
1996	315	106	43	47	159	387	72	66	365	348	590	220	218	317	960	487	475	564	5740
1997	382	138	59	81	209	466	89	75	389	349	575	199	249	374	899	580	536	657	6305
1998	306	118	45	67	195	429	73	69	309	263	491	157	126	253	714	450	447	615	5127
1999	421	142	50	62	182	438	62	74	373	273	478	155	157	292	714	466	579	724	5642
2000	428	169	77	98	199	523	74	89	430	335	550	195	196	319	816	600	593	863	6554
2001	306	119	66	81	166	405	53	85	357	333	601	186	185	287	799	581	543	828	5981
2002	387	128	71	106	169	473	62	85	420	375	642	234	288	308	969	714	597	827	6855
2003	355	141	55	70	148	470	43	53	336	392	562	181	169	219	762	605	576	691	5828
2004	264	98	48	68	97	391	69	66	342	331	506	149	179	263	856	565	499	746	5537
2005	294	99	56	92	137	448	52	92	372	400	598	209	230	254	842	626	567	761	6127
2006	280	122	67	96	144	588	87	111	468	419	665	231	270	259	924	645	561	741	6678
2007	260	193	74	112	225	679	91	128	508	487	730	257	313	343	1091	789	581	806	7667
2008	244	134	50	87	164	560	74	76	463	451	646	201	256	241	749	698	475	821	6390
2009	167	100	52	76	172	484	61	87	440	455	572	191	256	243	767	625	473	719	5940
2010	310	116	40	67	148	423	71	95	415	409	561	195	215	275	775	608	497	795	6015
2011	237	91	44	73	124	448	61	88	487	375	588	213	232	283	1046	714	601	844	6549

MALE KILL BY SEASON AND WILDLIFE MANAGEMENT UNIT DURING 2011

Harvest varies widely by day during the hunting season. Changes are primarily influenced by differences in hunting pressure and weather conditions. The typical distribution of harvest includes a high opening day kill in the muzzleloader and firearms seasons, high kills during the first few days and high kills on weekends for both seasons. The Thanksgiving holidays can also produce high harvests. The number of males listed in this table is the total male kill (including fawns), thus the numbers are somewhat larger than those in the previous table.

	WILDLIFE MANAGEMENT UNIT (WMU)																		
DATE	A	B	C1	C2	D1	D2	E	F	G	H1	H2	I1	I2	J1	J2	K	L	M	ALL
								ARCHERY SEASON (15 SEPTEMBER – 15 DECEMBER)											
TOTAL	**27**	**8**	**7**	**13**	**20**	**104**	**4**	**10**	**90**	**67**	**90**	**27**	**29**	**24**	**272**	**151**	**155**	**273**	**1371**
								YOUTH WEEKEND (22-23 OCTOBER)											
Oct. 22	3	0	1	1	0	18	0	2	8	7	7	2	3	4	22	19	5	3	105
Oct. 23	3	0	1	0	1	14	1	0	9	0	3	1	1	3	21	7	5	5	75
TOTAL	**6**	**0**	**2**	**1**	**1**	**32**	**1**	**2**	**17**	**7**	**10**	**3**	**4**	**7**	**43**	**26**	**10**	**8**	**180**
								MUZZLELOADER SEASON (29 OCTOBER – 8 NOVEMBER)											
Oct. 29	6	1	0	0	3	40	2	3	16	22	28	7	6	4	69	47	46	55	355
Oct. 30	5	2	0	4	3	9	2	1	23	32	32	6	8	3	31	28	33	39	261
Oct. 31	4	1	0	1	0	9	1	0	12	20	12	1	4	1	13	9	11	27	126
Nov. 1	1	0	1	1	1	4	0	0	1	3	7	1	6	2	8	5	11	25	77
Nov. 2	1	1	3	0	1	3	0	2	7	5	5	3	3	2	10	11	13	11	81
Nov. 3	0	0	0	0	1	1	0	0	4	1	10	0	1	0	11	4	8	6	47
Nov. 4	1	0	0	0	0	2	0	0	2	7	4	1	0	3	5	0	9	14	48
Nov. 5	2	2	1	2	1	8	1	1	8	13	17	6	3	1	27	20	10	51	174
Nov. 6	1	1	0	0	1	6	1	1	10	8	15	3	1	6	17	13	16	42	142
Nov. 7	0	2	0	1	0	2	0	0	3	1	7	2	2	1	7	2	4	14	48
Nov. 8	0	0	0	0	0	3	0	2	3	4	1	1	1	2	9	4	3	8	41
TOTAL	**21**	**10**	**5**	**9**	**11**	**87**	**7**	**10**	**89**	**116**	**138**	**31**	**35**	**25**	**207**	**143**	**164**	**292**	**1400**
								REGULAR FIREARM SEASON (9 NOVEMBER – 4 DECEMBER)											
Nov. 9	7	2	0	1	2	30	3	2	17	40	57	4	13	9	139	79	47	21	473
Nov. 10	3	2	0	2	5	8	3	4	12	27	26	3	5	8	18	34	17	11	188
Nov. 11	5	2	4	4	4	7	1	0	15	21	54	10	7	9	26	16	36	27	248
Nov. 12	11	6	4	1	6	15	8	5	25	13	31	13	22	14	44	32	72	60	382
Nov. 13	6	2	0	3	5	15	3	9	22	3	29	8	8	18	37	27	41	48	284
Nov. 14	11	0	0	2	3	2	1	3	5	1	6	4	4	5	14	11	12	10	94
Nov. 15	6	0	1	2	3	5	4	1	7	2	11	4	2	6	9	4	7	9	83
Nov. 16	8	2	2	1	4	7	1	2	10	6	10	2	2	9	10	15	7	15	113
Nov. 17	8	5	1	2	4	15	2	2	10	7	9	4	2	4	16	12	10	9	122
Nov. 18	19	8	3	5	4	15	1	6	10	10	6	6	9	9	21	13	10	21	176
Nov. 19	21	8	4	3	7	14	9	5	29	22	26	18	15	17	41	44	21	56	360
Nov. 20	16	5	1	3	9	14	1	5	20	6	26	16	9	16	38	33	14	43	275
Nov. 21	3	4	1	2	4	8	1	0	6	5	9	3	5	5	9	7	8	10	90
Nov. 22	7	4	0	0	1	8	0	0	8	6	6	3	5	8	7	18	7	14	102
Nov. 23	11	4	1	0	6	10	4	6	11	11	14	10	10	9	26	13	4	7	157
Nov. 24	17	3	1	5	10	10	1	4	16	7	18	9	5	7	31	23	10	33	210
Nov. 25	24	1	5	2	2	15	1	4	18	8	5	9	7	18	36	32	10	26	223
Nov. 26	5	5	3	8	3	12	2	1	14	13	9	13	7	18	38	24	15	23	213
Nov. 27	4	2	0	1	2	19	2	5	11	6	14	6	6	8	21	13	8	24	152
Nov. 28	0	0	0	1	2	8	0	0	4	3	3	3	3	2	7	7	3	9	55
Nov. 29	0	0	0	0	3	5	0	1	6	0	2	1	2	4	13	8	2	7	54
Nov. 30	0	0	0	2	3	6	1	0	8	4	8	1	2	8	10	6	5	6	70
Dec. 1	0	2	1	0	3	8	1	2	6	1	1	1	4	2	8	4	3	4	51
Dec. 2	0	1	0	1	3	8	0	1	8	4	2	1	5	5	15	6	4	10	74
Dec. 3	0	2	0	1	1	7	1	1	5	6	4	4	6	10	23	6	3	12	92
Dec. 4	0	3	0	1	0	7	1	1	7	10	13	4	5	5	13	8	7	19	104
TOTAL	**192**	**73**	**32**	**53**	**99**	**278**	**52**	**70**	**310**	**242**	**399**	**160**	**170**	**233**	**670**	**495**	**383**	**534**	**4445**
GRAND TOTAL	**246**	**91**	**46**	**76**	**131**	**501**	**64**	**92**	**506**	**432**	**637**	**221**	**238**	**289**	**1192**	**815**	**712**	**1107**	**7396**

YEARLING ANTLER BEAM DIAMETER BY WILDLIFE MANAGEMENT UNIT (2007-2011)

The antler beam diameter of yearling (age 1.5) males (YABD) is used to assess the quality of deer habitat. The biological maximum average YABD on excellent range is around 24mm. This maximum is not reached anywhere in New Hampshire because of our relatively unproductive soils and harsh winters. As deer densities increase from low levels, YABDs in the 17-19mm range indicate deer are in good to excellent health that can easily be sustained on the available habitat. Average YABDs below 16mm on a consistent basis indicate deer densities may be nearing the carrying capacity of the WMU. In the following table, the number in parenthesis following each average is the number of deer measured.

	YEAR					5-YEAR
WMU	2011	2010	2009	2008	2007	AVERAGE
A	16.0 (8)	18.7 (13)	18.4 (5)[1]	18.5 (13)[1]	18.1 (8)[1]	18.0 (47)
B	. (0)	19.5 (2)	16.2 (5)	16.9 (16)	16.4 (21)	16.7 (44)
C1	. (0)	19.5 (2)	20.0 (2)	20.3 (3)	16.5 (2)	19.2 (9)
C2	. (0)	18.3 (3)	18.5 (4)	15.0 (2)	16.5 (2)	17.5 (11)
D1	. (0)	17.5 (4)	. (0)	18.3 (7)	17.7 (14)	17.8 (25)
D2	19.3 (6)	17.3 (12)	17.2 (5)	16.3 (15)	18.0 (14)	17.4 (52)
E	. (0)	16.0 (2)	14.0 (1)	16.0 (3)	. (0)	15.7 (6)
F	13.0 (1)	. (0)	. (0)	. (0)	16.5 (2)	15.3 (3)
G	18.7 (3)	18.0 (1)	17.5 (4)	16.7 (7)	16.3 (7)	17.0 (22)
H1	17.1 (16)	17.9 (32)	17.2 (13)	17.0 (16)	18.3 (11)	17.5 (88)
H2	17.9 (7)	17.7 (15)	17.1 (31)	17.1 (24)	18.3 (23)	17.5 (100)
I1	19.8 (5)	20.3 (3)	18.7 (3)	16.8 (6)	19.3 (7)	18.8 (24)
I2	17.5 (2)	19.5 (4)	16.9 (13)	15.9 (10)	19.3 (11)	17.6 (40)
J1	18.2 (5)	19.5 (10)	15.9 (7)	16.4 (5)	18.0 (1)	17.8 (28)
J2	17.9 (13)	17.8 (24)	18.4 (14)	16.7 (23)	16.3 (10)	17.4 (84)
K	17.8 (46)	18.1 (43)	17.9 (51)	17.3 (72)	18.7 (23)	17.8 (235)
L	18.7 (31)	18.6 (20)	16.3 (22)	16.3 (32)	16.1 (12)	17.3 (117)
M	19.8 (32)	18.9 (45)	17.8 (39)	16.7 (44)	17.2 (30)	18.0 (190)
ALL[2]	**18.3 (175)**	**18.3 (235)**	**17.4 (214)**	**16.9 (285)**	**17.6 (190)**	**17.6 (1099)**

[1] - Based on bucks taken under a 2-point minimum (on 1-side) antler point restriction.
[2] - Does not include WMU A in 2007 through 2009.

YEARLING MALE FRACTION BY WILDLIFE MANAGEMENT UNIT (2007-2011)

The yearling male fraction (YMF) is the percentage of harvested adult males that are yearlings (age 1.5). The YMF reflects the average annual mortality rate of all adult males in the population by estimating the percentage lost to all causes on an annual basis (about half of our annual all-cause mortality is from the hunting seasons). In any given year, a high YMF may also reflect good fawn production 2 years previous and/or good fawn survival the previous winter. New Hampshire has a relatively low annual mortality rate when compared to many other northeastern states, and this is why we maintain good age structure in the male population. Based on 2011 statewide biological check station data, 48.5% of adult (age 1.5+) males were yearlings, 24.0% of harvested adult males were 2½ years old and 27.5% were 3½ years or older. The number in parenthesis following each yearling male fraction is the total number of yearling and older bucks in the aged sample.

	YEAR					5-YEAR
WMU	2011	2010	2009	2008	2007	AVERAGE
A	72.7 (11)	72.2 (18)	26.3 (19)[1]	25.0 (52)[1]	24.2 (33)[1]	35.3 (133)
B	0.0 (1)	40.0 (5)	41.7 (12)	57.1 (28)	45.1 (51)	47.4 (97)
C1	. (0)	100.0 (2)	100.0 (2)	75.0 (4)	22.2 (9)	52.9 (17)
C2	0.0 (1)	60.0 (5)	57.1 (7)	25.0 (8)	50.0 (6)	44.4 (27)
D1	. (0)	57.1 (7)	0.0 (3)	38.9 (18)	53.8 (26)	46.3 (54)
D2	66.7 (9)	58.3 (24)	27.8 (18)	42.9 (35)	51.9 (27)	47.8 (113)
E	0.0 (2)	66.7 (3)	12.5 (8)	50.0 (6)	0.0 (2)	28.6 (21)
F	50.0 (2)	0.0 (1)	. (0)	0.0 (3)	50.0 (4)	30.0 (10)
G	75.0 (4)	33.3 (3)	36.4 (11)	46.7 (15)	43.8 (16)	44.9 (49)
H1	44.4 (36)	41.0 (78)	42.4 (33)	50.0 (32)	52.4 (21)	44.5 (200)
H2	19.5 (41)	26.8 (56)	48.5 (66)	34.2 (73)	47.2 (53)	36.3 (289)
I1	71.4 (7)	42.9 (7)	100.0 (3)	33.3 (18)	77.8 (9)	54.5 (44)
I2	15.4 (13)	17.4 (23)	43.3 (30)	43.5 (23)	55.0 (20)	36.7 (109)
J1	55.6 (9)	39.3 (28)	30.4 (23)	35.7 (14)	12.5 (8)	35.4 (82)
J2	52.0 (25)	66.7 (36)	48.3 (29)	56.1 (41)	62.5 (16)	57.1 (147)
K	49.5 (93)	38.3 (115)	42.1 (121)	44.6 (166)	45.1 (51)	43.6 (546)
L	56.4 (55)	37.0 (54)	64.7 (34)	54.2 (59)	28.6 (42)	48.0 (244)
M	59.3 (54)	52.2 (92)	50.0 (80)	56.4 (78)	54.5 (55)	54.0 (359)
ALL[2]	**48.5 (363)**	**43.4 (557)**	**45.2 (480)**	**46.4 (621)**	**46.9 (416)**	**45.9 (2437)**

[1] - Based on bucks taken under a 2-point minimum (on 1-side) antler point restriction.
[2] - Does not include WMU A in 2007 through 2009.

NEW HAMPSHIRE TROPHY DEER PROGRAM

Beginning in 1999, the New Hampshire Antler and Skull Trophy Club (NHASTC) assumed responsibility for New Hampshire's trophy deer program. The program annually recognizes hunters who take deer with a weight of 200 pounds or more by each of three hunting methods (archery, muzzleloader and regular firearms). To qualify, deer must weigh at least 200 pounds completely field dressed (with all internal organs including heart, lungs and liver removed). For entry information and an application form, look in the Hunting Digest published annually by Fish and Game and available at your license agent or online at www.huntnh.com. The following tables provide the overall historical top 10 and those for the 2011 season. For a complete listing of this year's registry of information on trophy deer, moose and black bear, contact Roscoe Blaisdell, president of NHASTC, 22 Scribner Road, Raymond, NH 03077, or call 603-895-9947. The information below was generously provided by NHASTC.

ALL METHODS OVERALL					2011 ALL METHOD TOP 10			
YEAR	NAME	RESIDENCE	WEIGHT	COUNTY	NAME	RESIDENCE	WEIGHT	COUNTY
1951	*Robert Senechal*	*Hancock, NH*	*294*[1]	*Hillsborough*	Jon B. Dunkling	Williamstown, VT	245.3	Coos
1985	Arnold Girroir	W. Newbury, MA	289.25	Coos	Dan Daisey	Orford, NH	241	Grafton
1998	Mike Kenyon	Bradford, VT	284	Grafton	Marc Trubiano	Keene, NH	240	Cheshire
1998	Scott Magoon	Topsham, VT	277	Coos	Joseph Newcomb	Croydon, NH	237	Sullivan
1984	Dave Alonzo	Berlin, NH	273	Coos	Roland Sanschagrin Jr	Milan, NH	237	Coos
1984	William Robinson	Northfield, NH	273	Coos	Brooks Niemela	Dublin, NH	236	Cheshire
1985	Bradley Frizzell	Pittsburg, NH	272	Coos	Sarah Dunnells	South Hiram, ME	236	Carroll
1980	Robert Neil	Gorham, NH	267	Coos	Richard Metcalf	Porter, ME	236	Carroll
1994	Steven Young	Beecher Falls, VT	267	Coos	Daren C. Farnsworth	Enfield, NH	235	Grafton
1995	Lawrence Gonyer	Bow, NH	265	Coos	Aaron B. Allen	Canaan, NH	235	Grafton
1986	Joe Daley Jr	Brentwood, NH	265	Rockingham				

[1] - Could not be verified that this was field dressed weight.

REGULAR FIREARM OVERALL					2011 REGULAR FIREARM TOP 10			
YEAR	NAME	RESIDENCE	WEIGHT	COUNTY	NAME	RESIDENCE	WEIGHT	COUNTY
1985	Arnold Girroir	W. Newbury, MA	289.25	Coos	Dan Daisey	Orford, NH	241	Grafton
1998	Mike Kenyon	Bradford, VT	284	Grafton	Roland Sanschagrin Jr	Milan, NH	237	Coos
1984	Dave Alonzo	Berlin, NH	273	Coos	Sarah Dunnells	South Hiram, ME	236	Carroll
1985	Bradley Frizzell	Pittsburg, NH	272	Coos	Richard Metcalf	Porter, ME	236	Carroll
1980	Robert Neil	Gorham, NH	267	Coos	Daren C. Farnsworth	Enfield, NH	235	Grafton
1995	Lawrence Gonyer	Bow, NH	265	Coos	Aaron B. Allen	Canaan, NH	235	Grafton
1986	Joe Daley Jr	Brentwood, NH	265	Rockingham	Dan Croteau	Rochester, NH	233	Coos
1983	Perry Taylor	Moultonboro, NH	262	Coos	Randy Colbath	Sanbornville, NH	231	Carroll
1994	Howard Fields Jr	Saline, MI	261	Coos	Eddie Bruno	Newport, NH	230	Sullivan
2002	Stephen R. Caldwell	Barre, VT	258	Coos	Nathan Watson	Goshen, NH	230	Sullivan

NEW HAMPSHIRE TROPHY DEER PROGRAM, CONT.

ARCHERY OVERALL					2011 ARCHERY TOP 10			
YEAR	NAME	RESIDENCE	WEIGHT	COUNTY	NAME	RESIDENCE	WEIGHT	COUNTY
2007	Rick Pescinski	Sanbornton, NH	255	Belknap	Brooks Niemela	Dublin, NH	236	Cheshire
2002	Jeremiah Donaldson	Albany, NH	252	Carroll	Bill Greenwood	Gilsum, NH	230	Hillsborough
2002	Rodger Matthewman	Meredith, NH	251.5	Belknap	Daniel K. Denton	Sunapee, NH	230	Sullivan
2007	Dennis L. Faulkenham	Stark, NH	243	Coos	Daniel Gray	Orford, NH	221	Grafton
2009	Patric J. Laughy	Sanbornton, NH	243	Belknap	Neil Pendleton	Merrimack, NH	215	Hillsborough
2002	Dave Lufkin	Lancaster, NH	242.5	Coos	John Kelley	Gilmanton, NH	206.5	Belknap
2004	Ted Pinney	Rochester, NH	240.5	Rockingham	Roscoe Blaisdell	Raymond, NH	204	Rockingham
1995	Gregory Hebert	Laconia, NH	237.5	Belknap	John Klucky	Concord, NH	203	Merrimack
2001	Fred Schobel	Rehoboth, MA	237.5	Rockingham	Joe Pollard	Seabrook, NH	203	Rockingham
1991	Johnny Smith III	Milford, NH	237	Hillsborough	Mark B. Arsenault	Rye, NH	201	Rockingham
2006	Arthur Cardinal Jr.	Farmington, NH	237	Strafford				

MUZZLELOADER OVERALL					2011 MUZZLELOADER TOP 10			
YEAR	NAME	RESIDENCE	WEIGHT	COUNTY	NAME	RESIDENCE	WEIGHT	COUNTY
1998	Scott Magoon	Topsham, VT	277	Coos	Jon B. Dunkling	Williamstown, VT	245.3	Coos
1984	William Robinson	Northfield, NH	273	Coos	Marc Trubiano	Keene, NH	240	Cheshire
1994	Steven Young	Beecher Falls, VT	267	Coos	Joseph Newcomb	Croydon, NH	237	Sullivan
2001	Larry Miles	North Conway, NH	260.6	Coos	David Moody	Pike, NH	232.4	Grafton
1994	Dennis McLaughlin	Barre, VT	257	Coos	Russel K. Evans	Marlow, NH	230	Cheshire
1992	Colby Morrison	Wentworth, NH	254	Grafton	David Thayer	New Durham, NH	225	Strafford
2000	Carl Baker	Hyde Park, VT	254	Coos	Thomas Wightman	Grafton, NH	222	Grafton
2004	Bryan McMann	Stratford, NH	251.5	Coos	Terry Clark	Pittsfield, NH	221.5	Belknap
1995	Jeffrey Caulder	N. Woodstock, NH	250	Grafton	Mark Gilman	Antrim, NH	221	Hillsborough
2008	Michael Manita	Meredith, NH	250	Grafton	William Allen	Amesbury, MA	220	Rockingham
2010	Bruce Pearl	Gilmanton, NH	250	Carroll				

DEER KILL BY TOWN AND SEX DURING 2011

This is an alphabetical listing of New Hampshire towns with reported deer harvest in 2011. It gives the Wildlife Management Units (WMUs) that the town is part of, as well as the deer kill by sex and per square mile. The kill per square mile for towns in this table is expressed on the basis of square miles of land area. Towns not listed had no registered deer harvest in 2011.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL	KILL/SQ.MI.
ACWORTH	(H1)	30	18	48	1.24
ALBANY	(E/F/J1)	8	2	10	0.13
ALEXANDRIA	(G/I1)	13	2	15	0.35
ALLENSTOWN	(L)	25	17	42	2.07
ALSTEAD	(H1/H2)	32	28	60	1.55
ALTON	(J2)	76	34	110	1.73
AMHERST	(K/M)	29	26	55	1.63
ANDOVER	(G/I1)	20	3	23	0.57
ANTRIM	(H2/I2/K)	32	8	40	1.13
ASHLAND	(F/G/J2)	15	3	18	1.60
ATKINSON	(M)	25	8	33	2.95
ATKINSON & GIL. AC. GR.	(A)	6	0	6	0.31
AUBURN	(L/M)	45	55	100	3.94
BARNSTEAD	(J2)	71	23	94	2.21
BARRINGTON	(J2/L)	77	46	123	2.65
BARTLETT	(E)	11	0	11	0.15
BATH	(D2)	93	79	172	4.56
BEDFORD	(K/L/M)	36	32	68	2.08
BELMONT	(J2)	67	23	90	3.00
BENNINGTON	(H2/K)	15	11	26	2.32
BENTON	(D2)	12	1	13	0.27
BERLIN	(C1/C2)	14	3	17	0.28
BETHLEHEM	(D1/D2/E)	27	1	28	0.31
BOSCAWEN	(I1)	31	3	34	1.38
BOW	(I1/K/L)	52	29	81	2.89
BRADFORD	(I2)	17	1	18	0.51
BRENTWOOD	(L/M)	37	45	82	4.89
BRIDGEWATER	(G)	16	0	16	0.74
BRISTOL	(G/I1)	16	2	18	1.07
BROOKFIELD	(J1/J2)	12	3	15	0.66
BROOKLINE	(K/M)	20	22	42	2.12
CAMBRIDGE	(B/C2)	10	2	12	0.24
CAMPTON	(F)	21	3	24	0.46
CANAAN	(G)	75	18	93	1.75
CANDIA	(L/M)	51	32	83	2.75
CANTERBURY	(I1/J2)	31	18	49	1.12
CARROLL	(D1/E)	9	0	9	0.18
CENTER HARBOR	(J1/J2)	14	4	18	1.36
CHARLESTOWN	(H1)	38	22	60	1.69
CHATHAM	(E)	7	0	7	0.12
CHESTER	(M)	60	52	112	4.31
CHESTERFIELD	(H2)	35	12	47	1.03
CHICHESTER	(J2/L)	42	24	66	3.14
CLAREMONT	(H1)	69	52	121	2.82
CLARKSVILLE	(A)	28	3	31	0.51

DEER KILL BY TOWN AND SEX DURING 2011, CONT.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL	KILL/SQ.MI.
COLEBROOK	(A/B)	23	4	27	0.67
COLUMBIA	(B)	23	5	28	0.46
CONCORD	(I1/J2/K/L)	58	23	81	1.27
CONWAY	(E/F/J1)	34	5	39	0.56
CORNISH	(H1)	42	34	76	1.81
CROYDON	(H1/I2)	29	10	39	1.06
DALTON	(D1)	17	4	21	0.76
DANBURY	(G/I1)	13	0	13	0.34
DANVILLE	(M)	23	8	31	2.67
DEERFIELD	(L)	97	62	159	3.12
DEERING	(K)	28	10	38	1.26
DERRY	(M)	58	42	100	2.83
DIX'S GRANT	(A)	8	0	8	0.40
DIXVILLE	(A/B)	3	0	3	0.06
DORCHESTER	(G)	13	0	13	0.29
DOVER	(L)	45	23	68	2.55
DUBLIN	(H2)	23	15	38	1.36
DUMMER	(B/C1/C2)	23	5	28	0.58
DUNBARTON	(K)	48	22	70	2.39
DURHAM	(L)	49	35	84	3.76
EAST KINGSTON	(M)	31	33	64	6.48
EASTON	(D2)	7	0	7	0.22
EATON	(J1)	10	0	10	0.41
EFFINGHAM	(J1)	25	2	27	0.70
ENFIELD	(G/H1)	65	15	80	1.99
EPPING	(L/M)	29	25	54	2.10
EPSOM	(J2/L)	58	44	102	2.99
ERROL	(A/B/C2)	22	4	26	0.43
EXETER	(L/M)	24	18	42	2.14
FARMINGTON	(J2)	67	33	100	2.76
FITZWILLIAM	(H2)	30	14	44	1.27
FRANCESTOWN	(K)	45	17	62	2.09
FRANCONIA	(D1/D2/E)	8	0	8	0.12
FRANKLIN	(I1)	9	4	13	0.48
FREEDOM	(J1)	25	4	29	0.84
FREMONT	(M)	19	16	35	2.03
GILFORD	(J2)	45	18	63	1.63
GILMANTON	(J2)	111	53	164	2.86
GILSUM	(H2)	16	8	24	1.45
GOFFSTOWN	(K)	51	33	84	2.27
GORHAM	(C1/C2/E)	9	0	9	0.28
GOSHEN	(I2/H1)	21	2	23	1.03
GRAFTON	(G)	21	6	27	0.65
GRANTHAM	(G/H1/I2)	24	7	31	1.14
GREENFIELD	(K)	26	10	36	1.36
GREENLAND	(M)	26	23	49	4.63
GREENVILLE	(K)	7	6	13	1.90
GROTON	(G)	7	0	7	0.17
HAMPSTEAD	(M)	16	12	28	2.10
HAMPTON	(M)	22	12	34	2.62
HAMPTON FALLS	(M)	23	18	41	3.40

DEER KILL BY TOWN AND SEX DURING 2011, CONT.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL	KILL/SQ.MI.
HANCOCK	(H2/K)	19	11	30	1.01
HANOVER	(G)	60	32	92	1.88
HARRISVILLE	(H2)	16	10	26	1.39
HAVERHILL	(D2)	73	35	108	2.12
HEBRON	(G)	6	0	6	0.36
HENNIKER	(I2/K)	40	5	45	1.08
HILL	(I1)	10	0	10	0.38
HILLSBOROUGH	(H2/I2/K)	23	5	28	0.65
HINSDALE	(H2)	39	11	50	2.45
HOLDERNESS	(F/G/J1/J2)	19	7	26	0.85
HOLLIS	(M)	57	46	103	3.26
HOOKSETT	(K/L)	33	29	62	1.73
HOPKINTON	(I1/I2/K)	41	7	48	1.16
HUDSON	(M)	41	35	76	2.69
JACKSON	(E)	6	1	7	0.10
JAFFREY	(H2/K)	45	19	64	1.67
JEFFERSON	(C1/D1/E)	31	12	43	0.86
KEENE	(H2)	14	6	20	0.54
KENSINGTON	(M)	36	34	70	5.87
KINGSTON	(M)	22	28	50	2.56
LACONIA	(J2)	30	8	38	1.91
LANCASTER	(C1/D1)	42	12	54	1.08
LANDAFF	(D2)	22	9	31	1.09
LANGDON	(H1/H2)	18	11	29	1.79
LEBANON	(G/H1)	69	46	115	2.86
LEE	(L)	43	12	55	2.78
LEMPSTER	(H1/I2)	17	10	27	0.84
LINCOLN	(D2/E/F)	2	0	2	0.02
LISBON	(D2)	56	38	94	3.58
LITCHFIELD	(M)	21	15	36	2.43
LITTLETON	(D1/D2)	56	24	80	1.60
LONDONDERRY	(M)	61	59	120	2.86
LOUDON	(J2)	81	47	128	2.78
LYMAN	(D2)	58	33	91	3.20
LYME	(G)	76	32	108	2.01
LYNDEBOROUGH	(K)	57	20	77	2.57
MADBURY	(L)	21	17	38	3.29
MADISON	(F/J1)	28	6	34	0.88
MANCHESTER	(K/L/M)	11	5	16	0.49
MARLBOROUGH	(H2)	31	19	50	2.45
MARLOW	(H1/H2/I2)	17	12	29	1.13
MASON	(K)	28	12	40	1.68
MEREDITH	(I1/J2)	44	21	65	1.62
MERRIMACK	(M)	55	61	116	3.59
MIDDLETON	(J2)	20	6	26	1.44
MILAN	(B/C1/C2)	11	5	16	0.25
MILFORD	(K/M)	23	13	36	1.43
MILLSFIELD	(A/B)	12	1	13	0.29
MILTON	(J2)	33	25	58	1.76
MONROE	(D2)	36	18	54	2.41
MONT VERNON	(K)	28	12	40	2.38

DEER KILL BY TOWN AND SEX DURING 2011, CONT.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL	KILL/SQ.MI.
MOULTONBORO	(J1/J2)	72	43	115	1.93
NASHUA	(M)	16	19	35	1.15
NELSON	(H2)	21	8	29	1.32
NEW BOSTON	(K)	53	35	88	2.06
NEW CASTLE	(M)	1	0	1	1.27
NEW DURHAM	(J2)	37	17	54	1.31
NEW HAMPTON	(G/I1/J2)	27	8	35	0.95
NEW IPSWICH	(K)	40	19	59	1.81
NEW LONDON	(G/I1/I2)	10	6	16	0.72
NEWBURY	(I2)	16	3	19	0.53
NEWFIELDS	(L)	8	8	16	2.25
NEWINGTON	(M)	22	32	54	6.62
NEWMARKET	(L)	23	12	35	2.77
NEWPORT	(H1/I2)	47	23	70	1.62
NEWTON	(M)	17	19	36	3.69
NORTH HAMPTON	(M)	35	44	79	5.71
NORTHFIELD	(I1/J2)	29	12	41	1.44
NORTHUMBERLAND	(B/C1/D1)	13	6	19	0.53
NORTHWOOD	(J2/L)	48	29	77	2.74
NOTTINGHAM	(L)	41	30	71	1.52
ODELL	(B)	1	0	1	0.02
ORANGE	(G)	4	2	6	0.26
ORFORD	(D2/G)	54	23	77	1.66
OSSIPEE	(J1)	34	10	44	0.62
PELHAM	(M)	48	38	86	3.32
PEMBROKE	(L)	39	32	71	3.17
PETERBOROUGH	(H2/K)	52	11	63	1.67
PIERMONT	(D2)	36	11	47	1.22
PITTSBURG	(A)	139	30	169	0.60
PITTSFIELD	(J2)	51	33	84	3.54
PLAINFIELD	(H1)	66	51	117	2.24
PLAISTOW	(M)	12	14	26	2.46
PLYMOUTH	(F/G)	12	1	13	0.46
PORTSMOUTH	(M)	24	21	45	2.88
RANDOLPH	(C1/E)	5	0	5	0.11
RAYMOND	(L/M)	38	31	69	2.39
RICHMOND	(H2)	32	9	41	1.09
RINDGE	(H2/K)	46	15	61	1.65
ROCHESTER	(J2/L)	77	35	112	2.53
ROLLINSFORD	(L)	14	5	19	2.60
ROXBURY	(H2)	14	7	21	1.75
RUMNEY	(F/G)	14	2	16	0.38
RYE	(M)	32	32	64	5.12
SALEM	(M)	29	21	50	2.02
SALISBURY	(I1)	25	0	25	0.64
SANBORNTON	(I1/J2)	37	10	47	0.99
SANDOWN	(M)	22	19	41	2.95
SANDWICH	(F/J1)	32	0	32	0.35
SEABROOK	(M)	4	2	6	0.68
SECOND COLL GRANT	(A)	12	0	12	0.29
SHARON	(K)	14	0	14	0.90

DEER KILL BY TOWN AND SEX DURING 2011, CONT.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL	KILL/SQ.MI.
SHELBURNE	(C2/E)	11	0	11	0.23
SOMERSWORTH	(L)	10	4	14	1.44
SOUTH HAMPTON	(M)	18	13	31	3.93
SPRINGFIELD	(G/I2)	32	5	37	0.85
STARK	(B/C1)	6	2	8	0.14
STEWARTSTOWN	(A)	22	7	29	0.63
STODDARD	(H2/I2)	34	3	37	0.73
STRAFFORD	(J2)	59	25	84	1.73
STRATFORD	(B)	29	3	32	0.40
STRATHAM	(L/M)	20	27	47	3.11
SUCCESS	(C2)	9	0	9	0.16
SUGAR HILL	(D1/D2)	6	2	8	0.47
SULLIVAN	(H2)	11	1	12	0.65
SUNAPEE	(G/I2)	24	13	37	1.76
SURRY	(H2)	16	4	20	1.29
SUTTON	(I1/I2)	29	8	37	0.88
SWANZEY	(H2)	40	44	84	1.89
TAMWORTH	(F/J1)	31	2	33	0.55
TEMPLE	(K)	21	11	32	1.44
THORNTON	(F)	17	1	18	0.36
TILTON	(I1/J2)	12	5	17	1.53
TROY	(H2)	22	25	47	2.69
TUFTONBORO	(J1/J2)	37	17	54	1.33
UNITY	(H1)	30	25	55	1.49
WAKEFIELD	(J1/J2)	43	9	52	1.32
WALPOLE	(H1/H2)	36	26	62	1.76
WARNER	(I1/I2)	24	2	26	0.47
WARREN	(D2/F)	20	1	21	0.43
WASHINGTON	(I2)	21	3	24	0.53
WEARE	(K)	78	28	106	1.88
WEBSTER	(I1)	19	5	24	0.86
WENTWORTH	(D2/F/G)	23	1	24	0.58
WENTWORTH'S LOCATION	(A/C2)	7	1	8	0.44
WESTMORELAND	(H2)	27	23	50	1.40
WHITEFIELD	(D1)	15	7	22	0.64
WILMOT	(G/I1)	15	2	17	0.58
WILTON	(K)	41	20	61	2.40
WINCHESTER	(H2)	51	11	62	1.13
WINDHAM	(M)	30	21	51	1.92
WINDSOR	(I2)	3	0	3	0.37
WOLFEBORO	(J1/J2)	34	12	46	0.96
WOODSTOCK	(D2/F)	4	0	4	0.07
TOTAL		**7396**	**3713**	**11109**	**1.24**

DEER KILL BY COUNTY, SEX AND HUNTER RESIDENCY DURING 2011

Note: The kill per square mile by county in the rightmost column of this table is expressed on the basis of square miles of land area.

	NH RESIDENTS		NON-RESIDENTS		TOTAL		GRAND	TOTAL KILL PER
COUNTY	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	TOTAL	SQ. MI.
BELKNAP	510	199	24	8	534	207	741	1.84
CARROLL	382	100	67	16	449	116	565	0.61
CHESHIRE	525	277	123	53	648	330	978	1.36
COOS	399	102	161	14	560	116	676	0.37
GRAFTON	887	342	245	106	1132	448	1580	0.91
HILLSBOROUGH	924	541	94	50	1018	591	1609	1.81
MERRIMACK	842	356	24	23	866	379	1245	1.34
ROCKINGHAM	1037	887	92	70	1129	957	2086	3.02
STRAFFORD	514	257	38	26	552	283	835	2.22
SULLIVAN	442	231	66	55	508	286	794	1.48
TOTAL	**6462**	**3292**	**934**	**421**	**7396**	**3713**	**11109**	**1.24**

NUMBER AND PERCENT (%) OF DEER KILL BY SEX AND SEASON FOR 1987-2011

	MALE KILL AND % OF MALE KILL				FEMALE KILL AND % OF FEMALE KILL				TOTAL
YEAR	ARCHERY	YOUTH	MUZZLE.	FIREARM	ARCHERY	YOUTH	MUZZLE.	FIREARM	KILL
1987	138 (4%)	0 (0%)	445 (12%)	3201 (85%)	119 (5%)	0 (0%)	446 (19%)	1772 (76%)	6121
1988	119 (3%)	0 (0%)	659 (16%)	3462 (82%)	106 (6%)	0 (0%)	462 (25%)	1317 (70%)	6125
1989	248 (5%)	0 (0%)	814 (16%)	4061 (79%)	241 (11%)	0 (0%)	526 (25%)	1348 (64%)	7238
1990	238 (5%)	0 (0%)	817 (16%)	4118 (80%)	246 (9%)	0 (0%)	592 (22%)	1861 (69%)	7872
1991	353 (6%)	0 (0%)	889 (15%)	4686 (79%)	380 (13%)	0 (0%)	740 (26%)	1749 (61%)	8797
1992	592 (9%)	0 (0%)	1178 (18%)	4815 (73%)	610 (17%)	0 (0%)	1007 (28%)	2013 (55%)	10215
1993	441 (7%)	0 (0%)	1375 (21%)	4685 (72%)	437 (13%)	0 (0%)	994 (29%)	1957 (58%)	9889
1994	432 (8%)	0 (0%)	967 (17%)	4243 (75%)	469 (17%)	0 (0%)	975 (36%)	1293 (47%)	8379
1995	718 (10%)	0 (0%)	1474 (20%)	5208 (70%)	863 (23%)	0 (0%)	1364 (36%)	1580 (42%)	11207
1996	729 (11%)	0 (0%)	2015 (29%)	4152 (60%)	733 (21%)	0 (0%)	1203 (35%)	1531 (44%)	10363
1997	829 (11%)	0 (0%)	1841 (24%)	4915 (65%)	929 (22%)	0 (0%)	1201 (28%)	2085 (49%)	11800
1998	727 (12%)	0 (0%)	1653 (27%)	3840 (62%)	822 (23%)	0 (0%)	1471 (41%)	1272 (36%)	9785
1999	946 (14%)	41 (1%)	1803 (26%)	4029 (59%)	1035 (27%)	54 (1%)	1457 (38%)	1338 (34%)	10703
2000	968 (13%)	89 (1%)	1814 (24%)	4601 (62%)	1002 (30%)	104 (3%)	1095 (32%)	1186 (35%)	10859
2001	797 (12%)	84 (1%)	1631 (25%)	4035 (62%)	780 (30%)	119 (5%)	630 (24%)	1067 (41%)	9143
2002	925 (12%)	101 (1%)	1862 (24%)	4839 (63%)	929 (28%)	159 (5%)	1049 (31%)	1225 (36%)	11089
2003	882 (13%)	138 (2%)	1564 (24%)	3953 (60%)	959 (32%)	196 (7%)	766 (26%)	1034 (35%)	9492
2004	1001 (16%)	120 (2%)	1336 (21%)	4000 (62%)	1157 (31%)	192 (5%)	858 (23%)	1469 (40%)	10133
2005	910 (13%)	139 (2%)	1582 (22%)	4421 (63%)	1061 (30%)	187 (5%)	967 (27%)	1328 (37%)	10595
2006	1452 (19%)	301 (4%)	1605 (21%)	4470 (57%)	1526 (39%)	367 (9%)	879 (22%)	1166 (30%)	11766
2007	1765 (20%)	296 (3%)	1766 (20%)	4997 (57%)	2043 (43%)	346 (7%)	1021 (22%)	1325 (28%)	13559
2008	1219 (17%)	153 (2%)	1910 (27%)	3912 (54%)	1416 (38%)	188 (5%)	830 (22%)	1288 (35%)	10916
2009	1233 (18%)	139 (2%)	1628 (24%)	3772 (56%)	1445 (40%)	224 (6%)	770 (21%)	1173 (32%)	10384
2010	1023 (15%)	175 (3%)	1559 (23%)	4024 (59%)	961 (32%)	217 (7%)	660 (22%)	1140 (38%)	9759
2011	1371 (19%)	180 (2%)	1400 (19%)	4445 (60%)	1416 (38%)	295 (8%)	851 (23%)	1151 (31%)	11109

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2011 BLACK BEAR HARVEST SUMMARY

Bear hunting seasons are structured to achieve desired harvest levels that result in bear densities that are consistent with bear population goals in each of the state's six bear management regions. Current regional bear population objectives were established in 2005 and will remain at this level through 2015. Management decisions will continue to strive to maintain bear populations at levels consistent with these regional management objectives.

On a statewide basis, the estimated New Hampshire bear population is at goal (0.5 bears/mi^2), therefore the statewide management scheme is to stabilize the population at this level. At the regional level, the management actions required to meet population objectives vary across the state. Generally speaking, current bear population management efforts include stabilization in the north, population reduction in the White Mountains region and allowance for measured population growth in central and southern portions of the state.

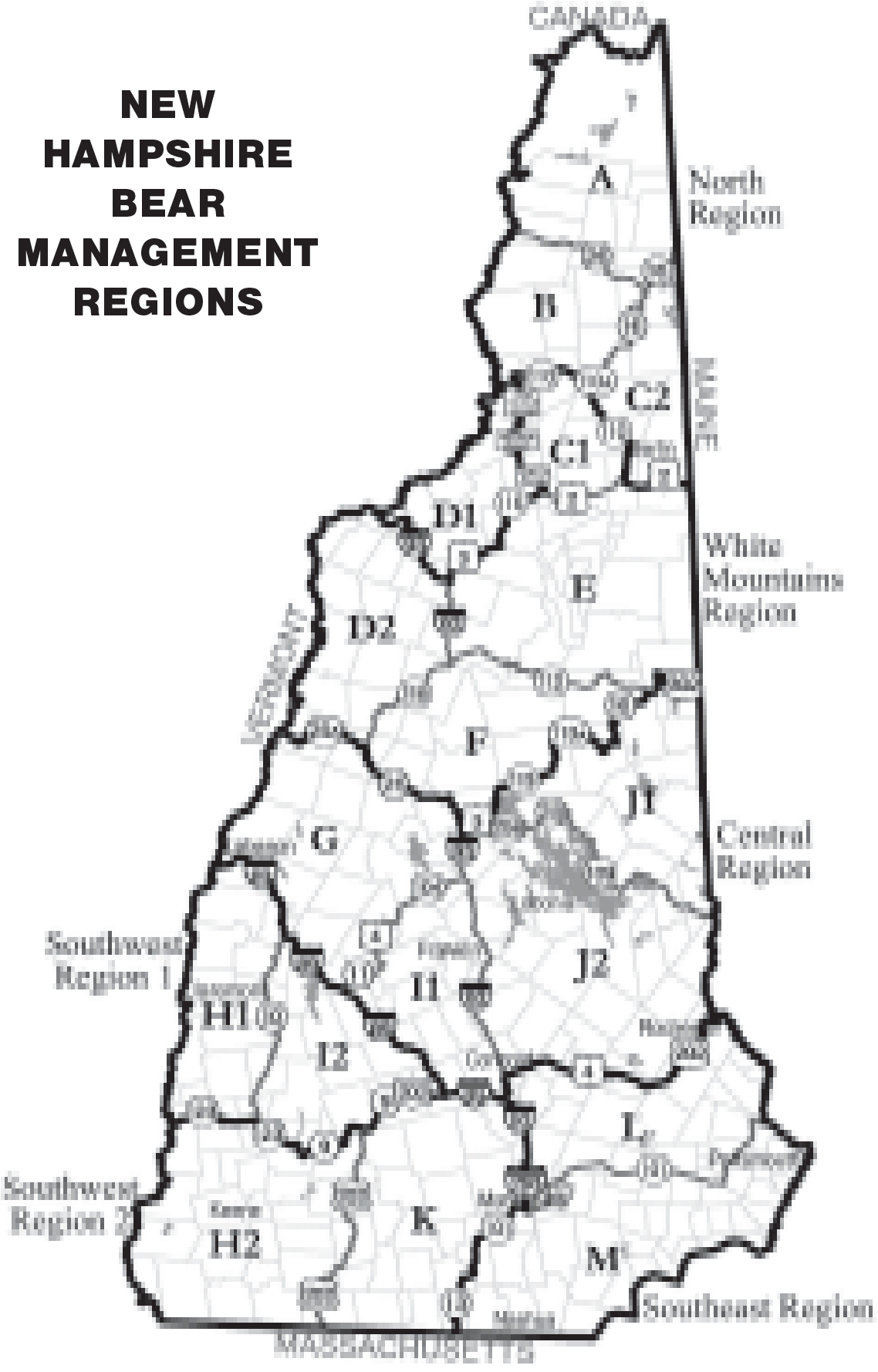
Hunters took 418 black bears in New Hampshire during 2011; a 41% decrease from the 2010 level and a 27% decline from the preceding 5-year average of 574 bears. During most years, hunters typically harvest 10-12% of the estimated statewide bear population. The 2011 harvest approximated 9% of the New Hampshire bear population.

The reduced bear harvest last fall appeared to be the direct result of abundant and diverse mast crops across most of the state. Abundant food decreased the need for bears to travel far in search of food or to congregate at concentrated food sources. As a result, hunters had more difficulty locating and patterning bears resulting in a decrease in hunter take. The number of bears taken by hound hunters was generally consistent with recent levels, however the bait and still hunter take declined. Additionally, food abundance appeared to be a significant factor in reducing the frequency of nuisance bear complaints throughout New Hampshire during 2011.

Mast surveys conducted by staff indicated that eight of ten important bear foods produced above-average crops during 2011. This strong production by a multitude of species across most areas of the state resulted in bears being less susceptible to hunting. Beech was the most notable food source, as nut production was the best it has been in the past six years. This fat-rich nut kept bears very active late into fall. Many deer hunters had stories to tell of bear sightings, tracks and feeding sign well into mid-December. In addition to beech, many soft mast species (e.g., apple, blackberry, choke cherry, blueberry, mountain ash) produced strong crops and were heavily utilized from late summer through fall. As a result, it is anticipated that female reproductive success and cub production will be high during the winter of 2012.

During 2011, bear management activities continued to generate essential information for responsible bear population stewardship. Current management programs are based on biological data collected during bear registration, and through bear observation rates derived from hunter surveys.

NEW HAMPSHIRE BEAR MANAGEMENT REGIONS



REGIONAL BEAR POPULATION MANAGEMENT GOALS

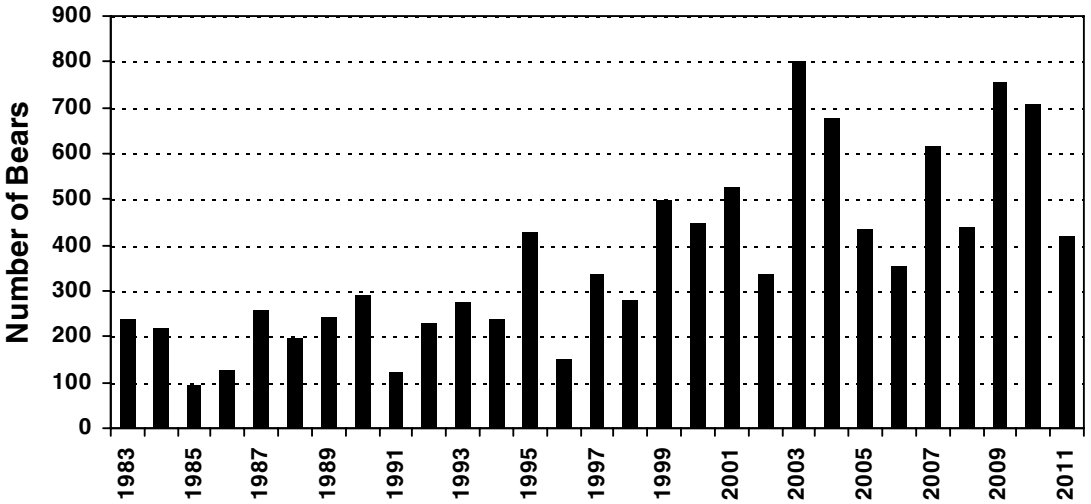
Black bear management decisions through 2015 will be based on our current Big Game Population Management Plan goals, derived through a detailed public input process. These population goals and current status are summarized in the following table, where goals, estimates and desired change are all expressed in terms of bears per square mile.

REGION	2006-2015 MANAGEMENT GOAL	CURRENT POPULATION ESTIMATE[1]	DESIRED CHANGE
NORTH	0.6	0.57	+0.03
WHITE MOUNTAINS	0.8	0.97	-0.17
CENTRAL	0.6	0.52	+0.08
SOUTHWEST-1	0.5	0.49	+0.01
SOUTHWEST-2	0.5	0.32	+0.18
SOUTHEAST	0.2	0.08	+0.12
STATEWIDE	**0.5**	**0.50**	**NONE**

[1] - 2011 data were not available for inclusion in this estimate when this report was written.

TOTAL BEAR HARVEST FOR 1983-2011 HUNTING SEASONS

Total bear harvest is the combined take of bait, hound and still hunters. As illustrated in the graph below, bear harvest has increased notably during the past decade. Periodic drops in harvest generally occur during abundant mast years. Such circumstances prompt less bear movement while foraging which decreases the vulnerability of bears to hunting. Conversely, peaks in harvest generally occur during poor mast years and reflect increased harvest vulnerability as a result of increased bear movements associated with food searching. The highest bear harvests in New Hampshire history have been achieved during the past decade, with the five highest harvests occurring in the past nine years. Historic highs in bear harvest reflect: 1) a strong bear population; 2) increased hunting pressure – the number of individuals specifically hunting for bears has risen significantly over time; 3) increased hunting opportunity – the entire state was opened to bear hunting beginning in 1998; and 4) changes in method-specific hunter effort – the growing popularity of hunting bears with bait has resulted in higher hunter success rates, thereby increasing harvest levels.



BEAR HARVEST BY METHOD (1991-2011)

A total of 418 bears were harvested during the 2011 bear season. The 2011 bear harvest was 27% below the preceding 5-year average (574 bears) and 41% less than the 2010 tally (707 bears). Percent harvest by method in recent years has averaged 41% by still hunters, 47% by bait hunters and 12% by hound hunters. Percent harvest by method during 2011 was 37% by still hunters, 46% by bait hunters and 17% by hound hunters. The percentage of the annual harvest taken by still and bait hunters last fall remained generally consistent with recent averages, however the percentage taken by hound hunters increased slightly. Annual variations in method-specific harvest percentages are expected due to annual changes in the distribution and abundance of food as well as hunter effort.

The number of bears taken during the deer season in late October and early November varies on an annual basis and is influenced by many factors. Fall food conditions and the impact on denning phenology likely has the greatest influence. However, season length and the degree of overlap between the bear and deer season does play a significant role. During poor food years, bears den earlier and therefore are less vulnerable to opportunistic harvest by deer hunters. During strong food years, bears delay den entry and remain active later into fall, resulting in a greater percentage of bears being harvested during the deer season. Statewide, 30% of the still hunter harvest occurred during the gun portion of the deer season in 2011, including 18% and 12% taken during the muzzleloader and regular firearms deer seasons, respectively. This percentage was twice that achieved in 2010, when 15% of the still hunter harvest occurred during the muzzleloader and rifle deer seasons. This increase last fall was the result of abundant mast crops, specifically beechnuts, which keep bears active later into fall. Of the state's six bear management regions, four were open to bear hunting during the muzzleloader deer season and one was open (for 14 days) during the regular firearms deer season.

YEAR	HUNTING METHOD			TOTAL
	STILL	BAIT	HOUND	
1991	79	15	29	123
1992	157	34	39	230
1993	171	52	51	274
1994	153	39	47	239
1995	301	72	55	428
1996	62	52	38	152
1997	202	69	64	335
1998	181	53	45	279
1999	313	117	69	499
2000	294	118	37	449
2001	295	169	63	527
2002	203	92	43	338
2003	462	274	67	803
2004	343	244	92	679
2005	190	179	65	434
2006	149	152	51	352
2007	277	278	60	615
2008	209	176	55	440
2009	295	372	91	758
2010	252	372	83	707
2011	155	193	70	418

REGIONAL DISTRIBUTION OF BEAR HARVEST (1991-2011)

The Central region accounted for the largest regional harvest tally at 147 (35%) bears. The White Mountains and North regions followed, with 128 (31%) and 65 (16%) bears, respectively. Harvest is typically highest in the White Mountains region, while harvest tallies in the North and Central regions have a tendency to fluctuate between the second and third highest. Despite flux between the North and Central regions, approximately 20-30% of the statewide harvest typically comes from each of these regions. Regional harvest percentages for Southwest-1 and 2 (11% and 7%, respectively) were greater than recent averages (8% and 4%, respectively). Harvest in the Southeast remained low (<1%).

The differences in regional bear harvest distribution that occurred last fall were caused by many factors, however the most significant factors appeared related to regional differences in food resources (e.g., beech crops vs. oak crops), fluctuations in hunter effort and the degree by which different hunting methods were used from one region to the next.

YEAR	MANAGEMENT REGION						TOTAL
	NORTH	WT-MTS	CENTRAL	S-WEST(1)	S-WEST(2)	S-EAST	
1991	28	49	46	0	0	0	123
1992	55	88	84	3	0	0	230
1993	78	131	65	0	0	0	274
1994	48	84	104	3	0	0	239
1995	100	170	156	2	0	0	428
1996	46	57	49	0	0	0	152
1997	99	120	106	10	0	0	335
1998	68	94	95	16	5	1	279
1999	144	180	138	32	4	1	499
2000	116	162	143	21	7	0	449
2001	134	195	156	31	11	0	527
2002	65	101	124	38	7	3	338
2003	254	242	238	56	12	1	803
2004	158	227	177	88	27	2	679
2005	126	148	112	35	9	4	434
2006	65	108	99	49	23	8	352
2007	165	200	180	42	23	5	615
2008	113	136	137	35	18	1	440
2009	198	249	229	57	25	0	758
2010	183	232	227	52	13	0	707
2011	65	128	147	46	30	2	418

BEAR HARVEST BY REGION, WMU AND METHOD DURING 2011

This table summarizes the 2011 bear harvest by region, wildlife management unit (WMU) and hunting method. The decision to manage on a regional rather than WMU basis is driven in part by the sample size of harvested bears necessary for reliable data analysis. At the individual WMU level, our samples are not large enough to allow for a meaningful assessment of local bear populations.

The popularity and impact of bear hunting methods varies regionally in New Hampshire. Regional bear hunting preferences are documented from harvest statistics and are a result of tradition, landscape and access. Traditionally, bait hunting for bear was most popular in the North and White Mountains and less prevalent in the more southern management regions. However, increased participation in bear baiting has become more evident in the Central and southern regions. Still hunting for bear is the most prominent method of harvest in the Southwest-1 region. Houndsmen take a lower percentage of the harvest in all regions compared to bait and still hunters, however hunting bears with dogs is most widespread in the Central region.

		METHOD OF HARVEST			
REGION	**WMU**	**STILL**	**BAIT**	**HOUND**	**TOTAL**
	A	2	19	1	22
	B	8	9	3	20
NORTH	C2	2	3	4	9
	D1	3	9	2	14
	ALL	**15**	**40**	**10**	**65**
	C1	1	4	6	11
	D2	17	15	4	36
WHITE MTNS	E	11	23	1	35
	F	16	26	4	46
	ALL	**45**	**68**	**15**	**128**
	G	14	25	4	43
	I1	19	11	8	38
CENTRAL	J1	11	12	17	40
	J2	8	12	6	26
	ALL	**52**	**60**	**35**	**147**
	H1	19	2	6	27
SOUTHWEST-1	I2	10	5	4	19
	ALL	**29**	**7**	**10**	**46**
	H2	9	12	-	21
SOUTHWEST-2	K	5	4	-	9
	ALL	**14**	**16**	**-**	**30**
	L	0	1	-	1
SOUTHEAST	M	0	1	-	1
	ALL	**0**	**2**	**-**	**2**
STATEWIDE	**TOTAL**	**155**	**193**	**70**	**418**

BEAR HARVEST SEX RATIOS (1991-2011)

Since 1991, the bear harvest sex ratio (HSR) has averaged 1.3 males per female. Higher mortality rates for males result in females being more abundant than males in our bear population, but this is rarely apparent in our harvest data. During poor mast years, female harvest tends to increase relative to male harvest, with the result being that females can approach or exceed males in the harvest (e.g., 2003). During years with abundant mast, males are more vulnerable than females to harvest and therefore account for a larger percentage of the harvest. The HSR in 2011 of 1.4 males per female was consistent with the long-term average indicating that males typically are more susceptible to harvest than females. Over the long-term, male-biased HSRs continue to correspond well with the bear population management goals in most regions of the state.

YEAR	FEMALE	MALE	UNKNOWN	MALES:FEMALE	TOTAL
1991	46	77	0	1.7	123
1992	91	139	0	1.5	230
1993	112	162	0	1.4	274
1994	103	136	0	1.3	239
1995	206	222	0	1.1	428
1996	55	97	0	1.8	152
1997	127	206	2	1.6	335
1998	124	155	0	1.3	279
1999	216	283	0	1.3	499
2000	190	259	0	1.4	449
2001	223	304	0	1.4	527
2002	141	197	0	1.4	338
2003	420	383	0	0.9	803
2004	313	366	0	1.2	679
2005	190	244	0	1.3	434
2006	139	213	0	1.5	352
2007	262	353	0	1.3	615
2008	192	248	0	1.3	440
2009	344	414	0	1.2	758
2010	345	362	0	1.0	707
2011	172	246	0	1.4	418

BEAR HARVEST BY METHOD AND SEX DURING 2011

Bear harvest sex ratios (HSRs) play a role in management decision-making due to the impact that female harvest has on bear populations. HSRs in New Hampshire vary slightly by year, but often vary substantially between hunting methods. Bait and still hunters usually harvest more males than females, however hound hunters generally take more females than males. This is seemingly due to higher movements by males that predispose them to increased harvest (and other mortality). During 2011, still hunters and bait hunters harvested more males than females, but hound hunters took more females than males.

METHOD	FEMALE	MALE	MALES:FEMALE	TOTAL
STILL	73	82	1.1	155
BAIT	60	133	2.2	193
HOUND	39	31	0.8	70
TOTAL	**172**	**246**	**1.4**	**418**

BEAR HARVEST BY REGION AND SEX DURING 2011

HSRs in the North, Southwest-1 and Southwest-2 regions were consistent with New Hampshire's long-term statewide average of 1.3 males per female (1991-2010), reflecting a higher male component in the harvest. The HSR in the White Mountains was higher than normal and very male-biased. The HSRs in the Central and Southeast regions were below the long-term statewide mean, indicating that females accounted for a higher than average percentage of the harvest in these areas.

There are a variety of factors that may have caused the varied HSRs in three management regions. Food conditions, and the resulting impact on differential vulnerability between sexes, can vary by region in any given year. Other factors, including the age and sex structure of the population, the preferred method of harvest in a given region and hunter selectivity can also influence HSRs at the local level. Sample size of harvested bears by region is also an important factor, as the lower HSR in the Southeast appeared to be a function of sample size.

REGION	FEMALE	MALE	MALES:FEMALE	TOTAL
NORTH	25	40	1.6	65
WHITE MTN	39	89	2.3	128
CENTRAL	76	71	0.9	147
SOUTHWEST-1	20	26	1.3	46
SOUTHWEST-2	11	19	1.7	30
SOUTHEAST	1	1	1.0	2
TOTAL	**172**	**246**	**1.4**	**418**

AVERAGE AGE OF HARVESTED BEARS (1998-2010)

Age data derived from premolars collected during bear registration are the backbone of New Hampshire's bear management program. We use age data to calculate age-specific male and female mortality rates. Knowing these rates allows us to back-calculate a statewide population estimate from annual mortality data. Regional sighting rates derived from hunter surveys, coupled with knowledge of the amount of bear habitat in each management region, allows us to partition our population across our six management regions. The New Hampshire bear management recipe is quite complex and places heavy reliance on bear age data.

AVERAGE AGE IN YEARS OF HARVESTED BLACK BEARS (1998-2010)

	YEAR												
SEX	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
FEMALES	5.5	5.4	5.3	5.3	6.0	5.8	5.7	5.5	5.8	5.8	5.3	5.3	5.6
MALES	5.0	3.9	4.9	3.7	4.5	3.3	4.0	4.0	4.3	3.2	3.8	3.4	3.4

* 2011 age data were not available for inclusion in this report at the time of printing.

NEW HAMPSHIRE HEAVYWEIGHTS

The following table summarizes record weights (actual dressed weights) for black bears harvested in New Hampshire through 2011. It is important to note that not all harvested bears are weighed. However, it is likely that a high percentage of large bears are weighed as a result of hunter interest.

TEN HEAVIEST BEARS[1] HARVESTED IN NEW HAMPSHIRE

RANK	WEIGHT	AGE	METHOD	WMU	TOWN	YEAR
1	552	9.5	HOUND	F	WARREN	2007
2	540	12.5	BAIT	C2	SHELBURNE	2010
3	532	N/A	STILL	D1	BETHLEHEM	2005
4	494	12.5	HOUND	D1	BETHLEHEM	2002
4	494	10.5	HOUND	J1	SANDWICH	2001
4	494	17.5	HOUND	E	BARTLETT	1997
7	493	14.5	HOUND	E	CHATHAM	1993
8	486	11.5	HOUND	D1	BETHLEHEM	2001
9	483	11.5	STILL	C2	SUCCESS	1993
10	482	13.5	HOUND	D2	ORFORD	2004

[1] - All the bears in this table are male.

BEAR HARVEST BY TOWN, WMU AND SEX DURING 2011

The following table summarizes the 2011 bear harvest by town. Towns where no bears were killed are excluded from this table.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL
ACWORTH	(H1)	3	0	3
ALBANY	(E/F/J1)	4	2	6
ALEXANDRIA	(G/I1)	1	3	4
ALLENSTOWN	(L)	0	1	1
ALTON	(J2)	1	2	3
ANDOVER	(G/I1)	3	4	7
ANTRIM	(H2/I2/K)	3	1	4
ATKINSON & GIL. AC. GR.	(A)	1	0	1
BARTLETT	(E)	3	3	6
BATH	(D2)	1	0	1
BELMONT	(J2)	0	1	1
BENTON	(D2)	4	1	5
BERLIN	(C1/C2)	1	4	5
BETHLEHEM	(D1/D2/E)	7	2	9
BOSCAWEN	(I1)	2	1	3
BRADFORD	(I2)	1	2	3
BRIDGEWATER	(G)	2	2	4
BRISTOL	(G/I1)	1	0	1
BROOKFIELD	(J1/J2)	1	2	3
BROOKLINE	(K/M)	2	0	2
CAMBRIDGE	(B/C2)	1	0	1
CAMPTON	(F)	4	2	6
CARROLL	(D1/E)	3	0	3
CENTER HARBOR	(J1/J2)	0	1	1
CHARLESTOWN	(H1)	3	1	4
CHATHAM	(E)	0	1	1
CLAREMONT	(H1)	3	1	4
CLARKSVILLE	(A)	2	1	3
COLEBROOK	(A/B)	2	1	3
COLUMBIA	(B)	1	2	3
CONCORD	(I1/J2/K/L)	2	0	2
CONWAY	(E/F/J1)	4	2	6
CORNISH	(H1)	1	1	2
DALTON	(D1)	0	2	2
DANBURY	(G/I1)	2	1	3
DIXVILLE	(A/B)	1	0	1
DORCHESTER	(G)	1	1	2
DUMMER	(B/C1/C2)	1	1	2
EFFINGHAM	(J1)	3	2	5
ELLSWORTH	(F)	2	0	2
ERROL	(A/B/C2)	1	0	1
FRANCONIA	(D1/D2/E)	1	0	1
FRANKLIN	(I1)	2	0	2
FREEDOM	(J1)	1	2	3
GILMANTON	(J2)	1	0	1
GILSUM	(H2)	1	0	1
GORHAM	(C1/C2/E)	4	0	4

BEAR HARVEST BY TOWN, WMU AND SEX DURING 2011, CONT.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL
GOSHEN	(I2/H1)	0	1	1
GRAFTON	(G)	2	0	2
GRANTHAM	(G/H1/I2)	2	1	3
GROTON	(G)	1	0	1
HANCOCK	(H2/K)	1	1	2
HANOVER	(G)	2	2	4
HARRISVILLE	(H2)	1	0	1
HAVERHILL	(D2)	2	2	4
HENNIKER	(I2/K)	0	3	3
HILL	(I1)	3	4	7
HILLSBORO	(H2/I2/K)	2	1	3
HINSDALE	(H2)	1	0	1
HOLDERNESS	(F/G/J1/J2)	0	2	2
HOPKINTON	(I1/I2/K)	0	1	1
JACKSON	(E)	5	0	5
JAFFREY	(H2/K)	1	0	1
JEFFERSON	(C1/D1/E)	2	1	3
LANCASTER	(C1/D1)	2	2	4
LANDAFF	(D2)	1	0	1
LANGDON	(H1/H2)	1	0	1
LEBANON	(G/H1)	1	0	1
LEMPSTER	(H1/I2)	0	1	1
LINCOLN	(D2/E/F)	4	1	5
LISBON	(D2)	1	0	1
LITTLETON	(D1/D2)	3	3	6
LIVERMORE	(E/F)	2	0	2
LYMAN	(D2)	0	1	1
LYME	(G)	5	3	8
MADISON	(F/J1)	1	2	3
MARLBOROUGH	(H2)	2	0	2
MARLOW	(H1/H2/I2)	0	1	1
MASON	(K)	1	0	1
MEREDITH	(I1/J2)	1	0	1
MIDDLETON	(J2)	2	0	2
MILAN	(B/C1/C2)	1	3	4
MILLSFIELD	(A/B)	2	0	2
MONROE	(D2)	0	2	2
MOULTONBORO	(J1/J2)	2	1	3
NELSON	(H2)	0	1	1
NEW DURHAM	(J2)	1	3	4
NEW HAMPTON	(G/I1/J2)	2	2	4
NEW LONDON	(G/I1/I2)	0	2	2
NEWPORT	(H1/I2)	3	2	5
NORTHUMBERLAND	(B/C1/D1)	1	0	1
ODELL	(B)	2	0	2
ORANGE	(G)	0	4	4
ORFORD	(D2/G)	6	3	9
OSSIPEE	(J1)	4	7	11
PETERBOROUGH	(H2/K)	0	1	1
PIERMONT	(D2)	3	2	5
PITTSBURG	(A)	5	3	8
PLAINFIELD	(H1)	2	0	2
PLYMOUTH	(F/G)	1	0	1
RANDOLPH	(C1/E)	2	2	4

BEAR HARVEST BY TOWN, WMU AND SEX DURING 2011, CONT.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL
RUMNEY	(F/G)	2	2	4
SALISBURY	(I1)	2	2	4
SANBORNTON	(I1/J2)	3	2	5
SANDWICH	(F/J1)	5	6	11
SHELBURNE	(C2/E)	2	0	2
SPRINGFIELD	(G/I2)	4	0	4
STARK	(B/C1)	4	1	5
STEWARTSTOWN	(A)	2	2	4
STODDARD	(H2/I2)	2	1	3
STRAFFORD	(J2)	0	1	1
STRATFORD	(B)	5	2	7
SUCCESS	(C2)	1	0	1
SULLIVAN	(H2)	3	0	3
SURRY	(H2)	0	2	2
SUTTON	(I1/I2)	1	2	3
TAMWORTH	(F/J1)	2	2	4
THORNTON	(F)	6	1	7
TILTON	(I1/J2)	1	0	1
TUFTONBORO	(J1/J2)	1	4	5
UNITY	(H1)	1	1	2
WAKEFIELD	(J1/J2)	0	1	1
WALPOLE	(H1/H2)	4	0	4
WARNER	(I1/I2)	1	2	3
WARREN	(D2/F)	1	1	2
WASHINGTON	(I2)	1	2	3
WATERVILLE VALLEY	(E/F)	4	0	4
WEARE	(K)	0	2	2
WEBSTER	(I1)	0	1	1
WENTWORTH	(D2/F/G)	3	1	4
WENTWORTH'S LOCATION	(A/C2)	1	1	2
WILMOT	(G/I1)	1	2	3
WILTON	(K)	0	1	1
WINCHESTER	(H2)	1	0	1
WOLFEBORO	(J1/J2)	1	3	4
WOODSTOCK	(D2/F)	4	0	4
TOTAL		**246**	**172**	**418**

2011 MOOSE HARVEST SUMMARY

PHOTO © STEVE ESTVANKI, DREAMSTIME.COM

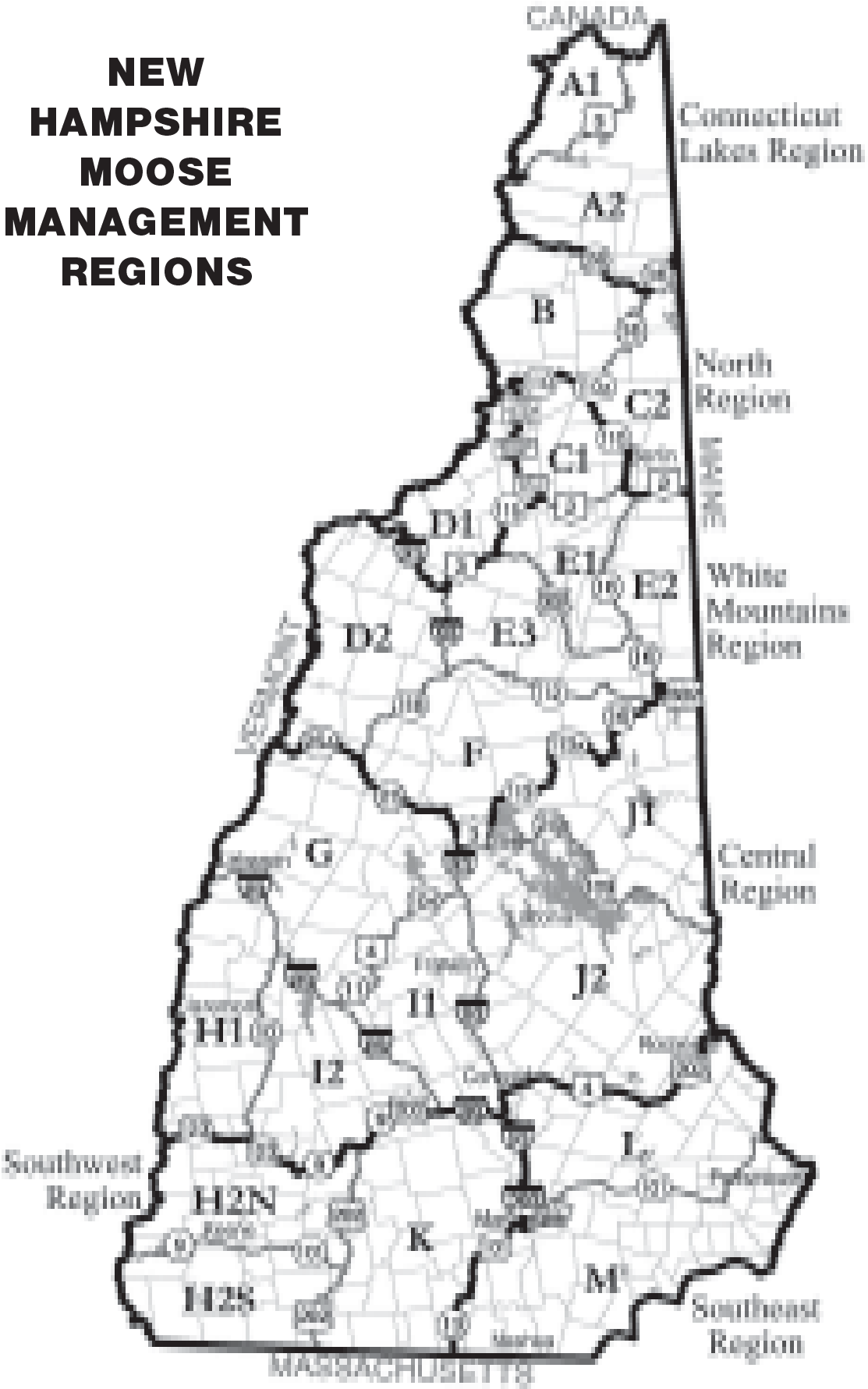
The 2011 New Hampshire moose season took place from October 15 through October 23. Weather throughout the season was rainy and cool, with only one day getting above 55 degrees F in the north country. Due to the low temperatures, hunters reported a lot of moose activity. The very rainy opening weekend reduced the opening three-day kill below 60%. The statewide hunter success rate decreased slightly from 76% in 2010 to 71% in 2011. A total of 408 moose permits were issued, 364 either-sex and 44 antlerless-only. Five permits were auctioned off by the Wildlife Heritage Foundation of New Hampshire. The auction of these five permits raises money for use in support of important Fish and Game projects. In addition, two permits were donated to the Hunt of a Lifetime Program, which provides hunting opportunities for seriously ill and handicapped children. All results provided in this report include these additional permits.

During the 9-day season, 290 moose were taken. The take consisted of 191 (66%) adult bulls, 89 (31%) adult cows and 10 (3%) calves. Success rate for all permits combined was 71%; 71% for either-sex permits and 73% for antlerless-only permits. Regional success rates were down in the Ct. Lakes, North, Central and Southeast regions, but up slightly in the White Mountains and Southwest regions. The regional adult harvest sex ratio (bulls per cow) for either-sex permits showed the following regional variability : (Connecticut Lakes – 3.2:1, North – 4.2:1, White Mtn – 4.1:1, Central – 2.7:1, S. West – 3.0:1 and S. East – 1.0:1).

Hunters traveled from 16 states to participate in the 2011 season. Non-residents took 54 moose (19%), while residents took the remaining 236 moose (81%). Moose were taken by rifle (282), muzzleloader (4), shotgun (2), handgun (1) and archery (1). The preferred rifle caliber was the 30.06. Permittees accounted for 75% of the moose harvest (218), while subpermittees accounted for 25% (72). Women took 16 moose, and 58% of the 2011 moose harvest was taken in the first three days of the season.

The oldest hunter was Robert Houle, a 78-year-old man who took a 900-pound, 7.5-year-old bull with a 57.75 inch spread in WMU C2. The youngest hunter was 9-year-old Dylan Douglas, who took a 5.5 year old cow weighing 500 pounds in J2. The largest bull of the season weighed 930 pounds and was taken in WMU A1 by Richard Matthews. David Ferry took the bull with the largest spread (64.5 inches) in WMU A1. Glenn Huntress took the largest cow (735 pounds) in WMU C2. All recorded weights are dressed weight. To determine an approximate live weight, multiply the dressed weight of adult moose by 1.46 and the dressed weight of calves by 1.61.

NEW HAMPSHIRE MOOSE MANAGEMENT REGIONS



NH MOOSE POPULATION MANAGEMENT GOALS BY REGION EXPRESSED AS MOOSE SEEN PER 100 DEER-HUNTER HOURS

REGION	RECOMMENDED GOAL	CURRENT LEVEL[1]	DESIRED CHANGE
CT. LAKES	7.40	7.43	0%
NORTH	6.00	5.24	+15%
WHITE MOUNTAINS	3.00	1.68	+79%
CENTRAL	1.50	1.09	+38%
S. WEST	1.30	0.79	+65%
S. EAST	0.50	0.42	+19%

[1] - Moose seen per 100 hunter hours, 2009-2011.

SUMMARY OF NH MOOSE LOTTERY AND HARVEST

YEAR	TOTAL PAID APPLICATIONS	TOTAL PERMITS DRAWN (ISSUED)[1]	RESIDENT ODDS OF BEING DRAWN	STATEWIDE HARVEST				PERCENT CALVES & COWS	HUNTER SUCCESS RATE
				BULLS	COWS	CALVES	TOTAL		
1988	5,915	75 (75)	1 IN 76	37	15	5	57	35%	76%
1989	5,504	75 (75)	1 IN 71	33	22	4	59	44%	79%
1990	5,707	75 (75)	1 IN 72	39	11	3	53	26%	71%
1991	5,122	100 (100)	1 IN 49	64	21	4	89	28%	89%
1992	8,702	190 (190)	1 IN 45	117	48	7	172	32%	91%
1993	10,044	317 (317)	1 IN 30	188	79	14	281	33%	89%
1994	11,572	405 (405)	1 IN 27	204	84	17	305	33%	75%
1995	14,150	495 (495)	1 IN 26	256	104	24	384	33%	78%
1996	14,398	495 (493)	1 IN 26	257	97	20	374	31%	76%
1997	15,161	570 (569)	1 IN 23	248	152	28	428	42%	75%
1998	15,942	570 (569)	1 IN 25	235	139	33	407	42%	72%
1999	13,090	570 (570)	1 IN 20	227	155	24	406	44%	71%
2000	13,984	585 (581)	1 IN 20	225	138	15	378	40%	65%
2001	14,943	585 (584)	1 IN 20	250	144	25	419	40%	72%
2002	14,888	485 (484)	1 IN 23	209	127	19	355	41%	73%
2003	14,402	485 (482)	1 IN 23	236	118	8	362	35%	75%
2004	15,505	525 (522)	1 IN 23	280	96	12	388	28%	74%
2005	15,837	525 (526)	1 IN 24	269	125	14	408	34%	78%
2006	16,344	675 (673)	1 IN 18	268	157	24	449	40%	67%
2007	16,779	675 (678)	1 IN 18	310	148	24	482	36%	71%
2008	16,144	515 (516)	1 IN 22	180	132	21	333	46%	65%
2009	15,723	515 (521)	1 IN 22	180	130	23	341	45%	65%
2010	15,229	395 (399)	1 IN 27	200	93	9	302	34%	76%
2011	15,007	395 (408)	1 IN 26	191	89	10	290	26%	71%

[1] - Permits issued may differ from permits drawn due to failure of permittees to meet eligibility requirements, medical or military deferments, and permits issued through the Hunt of a Lifetime and Wildlife Heritage Foundation programs.

PERMITS ISSUED, HARVEST SUCCESS RATE AND HARVEST PER SQUARE MILE OF MOOSE HABITAT FOR THE 2011 MOOSE HUNT BY MANAGEMENT REGION AND WMU

REGION	WMU	EITHER SEX PERMITS ISSUED	ANTLERLESS ONLY PERMITS ISSUED	TOTAL PERMITS ISSUED	TOTAL HARVEST	SUCCESS RATE	HARVEST PER SQ. MILE
CT LAKE	A1	16	5	21	16	76%	0.11
	A2	48	20	68	57	84%	0.14
	ALL	**64**	**25**	**89**	**73**	**82%**	**0.13**
NORTH	B	43	9	52	39	75%	0.12
	C2	31	5	36	30	83%	0.13
	D1	10	0	10	5	50%	0.02
	ALL	**84**	**14**	**98**	**74**	**76%**	**0.09**
W. MTN.	C1	22	5	27	24	89%	0.12
	D2	10	0	10	7	70%	0.02
	E1	5	0	5	4	80%	0.02
	E2	5	0	5	4	80%	0.02
	E3	5	0	5	4	80%	0.01
	F	16	0	16	11	69%	0.02
	ALL	**63**	**5**	**68**	**54**	**79%**	**0.03**
CENTRAL	G	31	0	31	20	65%	0.03
	H1	11	0	11	3	27%	0.01
	I1	15	0	15	10	67%	0.03
	I2	20	0	20	12	60%	0.03
	J1	16	0	16	13	81%	0.03
	J2	20	0	20	13	65%	0.02
	ALL	**113**	**0**	**113**	**71**	**63%**	**0.03**
S. WEST	H2N	5	0	5	5	100%	0.02
	H2S	5	0	5	3	60%	0.01
	K	10	0	10	5	50%	0.01
	ALL	**20**	**0**	**20**	**13**	**65%**	**0.01**
S. EAST	L	10	0	10	3	30%	0.01
	M	10	0	10	2	20%	<0.01
	ALL	**20**	**0**	**20**	**5**	**25%**	**0.01**
ALL	**ALL**	**364**	**44**	**408**	**290**	**71%**	**0.04**

METHODS OF HARVEST USED BY SUCCESSFUL HUNTERS DURING THE 2011 MOOSE HUNT

METHOD	# OF HUNTERS	% OF HUNTERS
ARCHERY	1	0.34%
HANDGUN	1	0.34%
MUZZLELOADER	4	1.38%
RIFLE	282	97.24%
SHOTGUN	2	0.69%
UNKNOWN	0	0.00%
TOTALS	**290**	**100.00%**

AGE AND SEX OF THE 2011 MOOSE HARVEST BY MANAGEMENT REGION AND WMU

REGION	WMU	BULLS AGE 2.5+	BULLS AGE 1.5	COWS AGE 2.5+	COWS AGE 1.5	CALVES	TOTAL	% COWS & CALVES	% BULLS AGE 2.5+
CT LAKE	A1	8	1	7	0	0	16	44%	50%
	A2	28	4	16	6	3	57	44%	49%
	ALL	**36**	**5**	**23**	**6**	**3**	**73**	**44%**	**49%**
NORTH	B	22	3	9	4	1	39	36%	56%
	C2	19	1	7	1	2	30	33%	63%
	D1	4	0	1	0	0	5	20%	80%
	ALL	**45**	**4**	**17**	**5**	**3**	**74**	**34%**	**61%**
W. MTN.	C1	15	0	6	1	2	24	38%	63%
	D2	3	0	4	0	0	7	57%	43%
	E1	3	0	1	0	0	4	25%	75%
	E2	4	0	0	0	0	4	0%	100%
	E3	4	0	0	0	0	4	0%	100%
	F	4	4	2	0	1	11	27%	36%
	ALL	**33**	**4**	**13**	**1**	**3**	**54**	**31%**	**61%**
CENTRAL	G	12	3	4	1	0	20	25%	60%
	H1	2	1	0	0	0	3	0%	67%
	I1	7	3	0	0	0	10	0%	70%
	I2	9	1	2	0	0	12	17%	75%
	J1	5	2	5	1	0	13	46%	38%
	J2	5	2	5	1	0	13	46%	38%
	ALL	**40**	**12**	**16**	**3**	**0**	**71**	**27%**	**56%**
S. WEST	H2N	3	0	1	0	1	5	40%	60%
	H2S	2	0	1	0	0	3	33%	67%
	K	3	1	1	0	0	5	20%	60%
	ALL	**8**	**1**	**3**	**0**	**1**	**13**	**31%**	**62%**
S. EAST	L	1	1	0	1	0	3	33%	33%
	M	0	0	1	0	1	2	100%	0%
	ALL	**1**	**1**	**1**	**1**	**1**	**5**	**60%**	**20%**
ALL	**ALL**	**163**	**27**	**73**	**16**	**11**	**290**	**34%**	**56%**

SUMMARY OF APPLICATIONS AND PERMITS DRAWN BASED UPON POINT STANDINGS FOR THE 2011 NH MOOSE LOTTERY

	RESIDENTS			NON-RESIDENTS			OVERALL		
POINTS	APPS.[1]	PERMITS DRAWN	PERCENT OF PERMITS	APPS.[1]	PERMITS DRAWN	PERCENT OF PERMITS	APPS.[1]	PERMITS DRAWN	PERCENT OF PERMITS
1	2,338	22	6.59%	1,424	4	6.56%	3,762	26	6.58%
2	1,254	19	5.69%	702	5	8.20%	1,956	24	6.08%
3	967	22	6.59%	473	4	6.56%	1,440	26	6.58%
4	697	33	9.88%	385	5	8.20%	1,082	38	9.62%
5	601	29	8.68%	423	3	4.92%	1,024	32	8.10%
6	467	26	7.78%	453	7	11.48%	920	33	8.35%
7	443	34	10.18%	314	2	3.28%	757	36	9.11%
8	1,873	149	44.61%	995	31	50.82%	2,868	180	45.57%
ALL	**8,640**	**334**	**100%**	**5,169**	**61**	**100%**	**13,809**	**395**	**100%**

[1] - Excludes “point only” applications.

SUMMARY OF MOOSE PHYSICAL CHARACTERISTICS FROM THE 2011 MOOSE HARVEST BY MANAGEMENT REGION AND AGE

		BULLS						COWS	
REGION	AGE IN YEARS	MEAN ABD[1]	MAXIMUM ABD[1]	MEAN SPREAD[2]	MAXIMUM SPREAD[2]	MEAN WEIGHT	MAXIMUM WEIGHT	MEAN WEIGHT	MAXIMUM WEIGHT
CT LAKE	0.5	.	.	.	.	273	275	250	250
	1.5	33.8	41	21.5	25.5	410	460	303	390
	2.5-4.5	47.8	80	39.2	56	634	930	550	660
	5.5+	61.6	74	53.1	64.5	768	820	570	650
NORTH	0.5	.	.	.	.	298	330	.	.
	1.5	33.8	43	26.0	31.75	458	500	433	465
	2.5-4.5	44.8	57	37.3	53.25	631	830	571	685
	5.5+	55.3	59	50.1	57.75	772	900	685	735
W. MTN.	0.5	.	.	.	.	265	280	210	210
	1.5	34.5	39	18.3	21.5	390	440	410	410
	2.5-4.5	45.7	60	34.6	46.5	616	750	514	640
	5.5+	55.8	66	47.6	53	732	805	560	600
CENTRAL	0.5	.	.	.	.	.	.	.	.
	1.5	32.6	45	21.0	24.5	433	530	455	490
	2.5-4.5	44.0	57	34.2	48.25	619	850	521	580
	5.5+	50.6	55	46.1	50.75	750	830	535	630
S. WEST	0.5	.	.	.	.	.	.	210	210
	1.5	32.0	32	24.5	24.5	400	400	.	.
	2.5-4.5	45.9	56	36.3	43.5	657	720	500	500
	5.5+	55.0	55	42.5	42.5	750	750	500	500
S. EAST	0.5	.	.	.	.	.	.	.	.
	1.5	34.0	34	20.5	20.5	530	530	450	450
	2.5-4.5	45.0	45	44.5	44.5	.	.	550	550
	5.5+	.	.	.	.	.	.	.	.

NOTE: Animals of unknown age or sex are not included in above table.
[1] - ABD is antler beam diameter measured in mm.
[2] - Spread is measured by the department as the furthest distance between two legal tines in inches.

TEN-YEAR MOOSE HUNTER SUCCESS RATES BY MANAGEMENT REGION AND WMU

REGION	WMU	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	MEAN
CT LAKE	A1	93%	100%	87%	93%	73%	91%	79%	77%	84%	76%	85%
	A2	95%	93%	94%	89%	82%	87%	80%	87%	87%	84%	88%
	ALL	**95%**	**95%**	**93%**	**89%**	**80%**	**88%**	**80%**	**84%**	**86%**	**82%**	**87%**
NORTH	B	92%	92%	96%	92%	75%	81%	86%	98%	90%	75%	88%
	C2	94%	94%	85%	95%	90%	90%	95%	91%	94%	83%	91%
	D1	93%	73%	86%	84%	68%	67%	67%	74%	73%	50%	74%
	ALL	**93%**	**90%**	**90%**	**92%**	**78%**	**81%**	**83%**	**91%**	**90%**	**76%**	**86%**
W. MTN.	C1	75%	75%	92%	92%	92%	88%	80%	92%	89%	89%	86%
	D2	76%	84%	64%	76%	57%	47%	35%	33%	70%	70%	61%
	E1	70%	70%	67%	67%	48%	64%	50%	40%	40%	80%	60%
	E2	80%	100%	100%	100%	20%	80%	40%	80%	80%	80%	76%
	E3	47%	40%	63%	48%	43%	47%	40%	36%	100%	80%	54%
	F	76%	70%	65%	80%	48%	68%	42%	38%	36%	69%	59%
	ALL	**71%**	**71%**	**72%**	**75%**	**56%**	**62%**	**47%**	**47%**	**72%**	**79%**	**65%**
CENTRAL	G	88%	78%	63%	75%	65%	82%	83%	71%	70%	65%	74%
	H1	80%	90%	80%	70%	67%	53%	73%	53%	67%	27%	66%
	I1	30%	60%	35%	65%	53%	33%	55%	65%	53%	67%	52%
	I2	70%	90%	67%	79%	63%	60%	67%	60%	65%	60%	68%
	J1	60%	60%	60%	73%	67%	64%	64%	50%	57%	81%	64%
	J2	46%	63%	60%	58%	54%	42%	52%	53%	80%	65%	57%
	ALL	**63%**	**72%**	**60%**	**71%**	**62%**	**61%**	**68%**	**62%**	**67%**	**63%**	**65%**
S. WEST	H2N	70%	80%	70%	70%	40%	40%	60%	75%	83%	100%	69%
	H2S	22%	60%	20%	40%	40%	60%	40%	20%	40%	60%	40%
	K	67%	67%	40%	47%	40%	40%	40%	50%	50%	50%	49%
	ALL	**56%**	**69%**	**47%**	**53%**	**40%**	**44%**	**45%**	**47%**	**57%**	**65%**	**52%**
S. EAST	L	40%	27%	50%	10%	44%	55%	30%	40%	50%	30%	38%
	M	32%	15%	40%	44%	10%	0%	50%	60%	40%	20%	31%
	ALL	**35%**	**20%**	**45%**	**26%**	**26%**	**30%**	**38%**	**47%**	**45%**	**25%**	**34%**
ALL	**ALL**	**73%**	**75%**	**74%**	**78%**	**67%**	**71%**	**65%**	**65%**	**76%**	**71%**	**72%**

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2011 WILD TURKEY HARVEST SUMMARY

Spring Gobbler Season (May 3-31, 2011): A total of 3,672 turkeys (14 bearded hens, 1,613 jakes and 2,045 adult gobblers) were registered during the 2011 spring gobbler season, of which 521 (14.2%) came from the Youth Weekend turkey hunt. The 2011 season had an increase of only 3 turkeys from the 2010 season. The spring 2011 harvest was comprised of 1,613 jakes (44.1%) and 2,045 toms (55.9%) for a juvenile/adult harvest ratio of 0.79 to 1.00.

The May 2010 season harvest was comprised of only 24.9% jakes, compared to 44.1% from the 2011 season. The increase in jakes harvested from 2010 to 2011 appears to result from a good turkey hatch during 2010. There was concern last year because 49.9%, or half of the May 2010 season harvest, was composed of 2-year old toms which bore the brunt of the harvest. Because of this and the low percentage of jakes in the 2010 harvest, there was concern that the percentage of 2 and 3-year olds in 2011 might be abnormally low. This did not turn out to be the case.

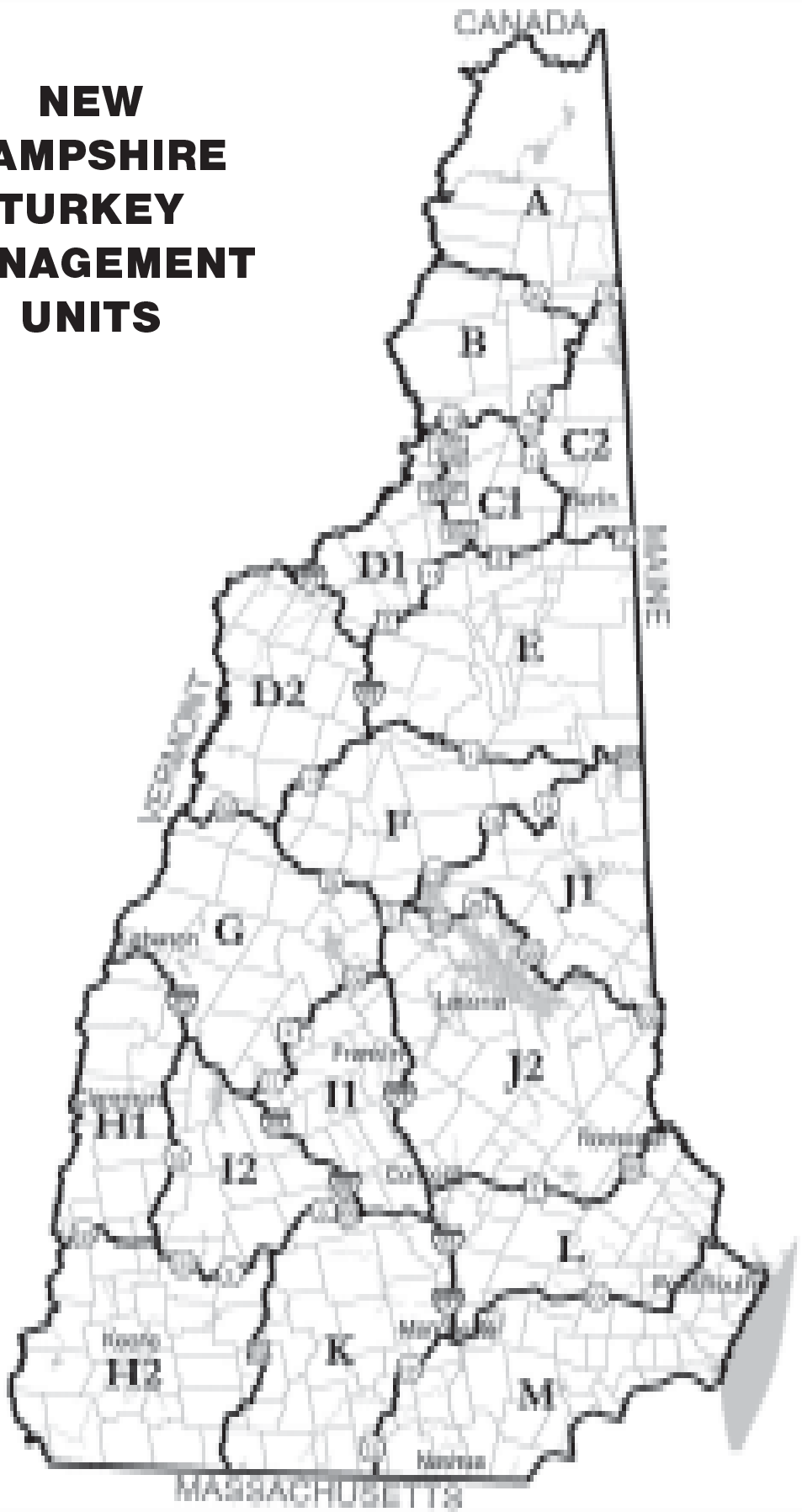
May 2011 harvest was comprised of 44.1% 1-year olds, which is higher than the long term average of 42.3%. The May 2011 harvest had 32.0% 2-year olds, which was not far from the long-term average of 37.2%. The 3-year olds comprised 17.5%, compared to the long-term average of 16.3%. The 4-year olds were 5.7%, compared to the long-term average of 4.4%. The 5-year olds were 0.7%, compared to the long-term average of 0.5%. It appears that older age classes in the turkey population are holding steady in New Hampshire. The turkey population has continued to gradually increase into new sites. More male turkeys are living beyond one year of age, and the number of new turkey hunters has not increased greatly in recent years. If the fall shotgun season becomes more liberal and higher numbers of adult fall gobblers are harvested, this age structure could see significant change.

The units with the greatest spring turkey harvest per square mile of turkey habitat were: WMU K (0.93), WMU H1 (0.84), WMU L (0.75), WMU J2 (0.70), and WMU H2 (0.69). No WMU in New Hampshire has yet reached a gobbler kill of 1.00 per square mile. The average gobbler kill per square mile for all 18 WMUs during the May 2011 season was 0.50, compared to 0.50 for 2010 and 0.56 for 2009. The criteria used to open a unit to the fall shotgun season, is when a unit has reached $\geq$ 0.50 gobbler kill per square mile during the spring season. For the May 2011 season, the following units have now dipped below this level: D1 (0.43), G (0.44) and J1 (0.36).

Fall Seasons: A total of 643 turkeys were taken during New Hampshire's 2011 fall seasons. The spring and fall harvests combined tallied a total of 4,315 turkeys, of which 14.9% were taken in the fall seasons.

The 5-day fall shotgun season (October 10-15, 2011) tallied 432 turkeys (222 hens and 210 males) compared to 719 in 2010; a decrease of 287 turkeys or 39.9%. The 3-month fall archery season (September 15 – December 15, 2011) registered 211 turkeys (106 hens and 105 males), compared to 291 in 2010; a decrease of 80 turkeys or 27.5%. The combined fall 2011 archery and shotgun harvest

NEW HAMPSHIRE TURKEY MANAGEMENT UNITS



of 643 turkeys was 367 turkeys less than the 1,010 combined 2010 harvest, or a decline of 36.3%.

Because the spring season statewide harvest has not increased for the past three years, and three wildlife management units have dropped below the level of 0.5 gobbler kill per square mile, no liberalization of fall season length or spring bag limit increase is recommended for the next 1 to 2 years.

TURKEY HARVESTS FROM THE PAST 5 YEARS

YEAR	SPRING HARVEST	CHANGE FROM PRECEDING YEAR	FALL HARVEST
2007	3,649	+2.5%	761
2008	4,107	+12.6%	503
2009	4,056	-1.2%	492
2010	3,669	-9.5%	1,010
2011	3,672	0.0%	643

2011 TURKEY POPULATION OBJECTIVES BY WILDLIFE MANAGEMENT UNIT EXPRESSED IN TERMS OF SPRING KILL PER SQUARE MILE OF TURKEY HABITAT

WMU	CURRENT LEVEL[1]	2006-2015 OBJECTIVE	HUNTING STRATEGY[2]
A	0.07	0.07	Conservative
B	0.08	0.07	Moderate
C1	0.09	0.09	Moderate
C2	0.11	0.14	Moderate
D1	0.43	0.50	Liberal
D2	0.59	0.50	Liberal
E	0.08	0.09	Moderate
F	0.17	0.19	Moderate
G	0.44	0.41	Liberal
H1	0.84	0.50	Liberal
H2	0.69	0.50	Liberal
I1	0.57	0.50	Liberal
I2	0.52	0.49	Liberal
J1	0.36	0.34	Liberal
J2	0.70	0.29	Liberal
K	0.93	0.50	Liberal
L	0.75	0.25	Liberal
M	0.63	0.18	Liberal

[1] - Current level is the spring kill per square mile of turkey habitat for the 2011 season.
[2] - Conservative strategies allow spring hunting but preempt all fall hunting. Moderate strategies allow for spring hunting and fall archery hunting. Liberal strategies allow for spring hunting, fall archery hunting and fall shotgun hunting. Fall shotgun hunting is only allowed when the WMU in question has a history of spring harvests that equal or exceed 0.5 birds per square mile.

2011 TURKEY HARVEST BY WMU BY SEASON AND SEX AND AGE CLASS

WMU	SPRING HENS	SPRING JAKES	SPRING TOMS	FALL HENS	FALL MALES	GRAND TOTAL	SPRING KPSM[1]
A	0	12	18	0	0	30	0.07
B	1	6	13	1	0	21	0.08
C1	0	6	7	0	1	14	0.09
C2	0	7	12	0	0	19	0.11
D1	1	34	48	16	9	108	0.43
D2	1	87	148	42	28	306	0.59
E	0	10	27	0	0	37	0.08
F	1	26	38	0	0	65	0.17
G	0	80	164	12	15	271	0.44
H1	1	96	202	11	11	321	0.84
H2	2	175	254	28	21	480	0.69
I1	0	84	97	18	19	218	0.57
I2	1	60	111	5	9	186	0.52
J1	0	66	86	9	8	169	0.36
J2	1	258	253	47	32	591	0.70
K	3	250	277	56	54	640	0.93
L	1	175	135	45	41	397	0.75
M	1	181	155	38	67	442	0.63
TOTAL	**14**	**1613**	**2045**	**328**	**315**	**4315**	**0.50**

[1] - Kill per square mile of turkey habitat.

2011 FALL ARCHERY AND FALL SHOTGUN SEASON HARVEST BY WMU AND SEX

	FALL ARCHERY SEASON			FALL SHOTGUN SEASON			GRAND
WMU	HENS	GOBBLERS	TOTAL	HENS	GOBBLERS	TOTAL	TOTAL
A	closed	closed	closed	closed	closed	closed	closed
B	1	0	1	closed	closed	closed	1
C1	0	1	1	closed	closed	closed	1
C2	0	0	0	closed	closed	closed	0
D1	1	3	4	15	6	21	25
D2	8	8	16	34	20	54	70
E	0	0	0	closed	closed	closed	0
F	0	0	0	closed	closed	closed	0
G	4	4	8	8	11	19	27
H1	2	1	3	9	10	19	22
H2	9	4	13	19	17	36	49
I1	9	2	11	9	17	26	37
I2	3	0	3	2	9	11	14
J1	1	3	4	8	5	13	17
J2	14	6	20	33	26	59	79
K	20	23	43	36	31	67	110
L	14	21	35	31	20	51	86
M	20	29	49	18	38	56	105
TOTAL	**106**	**105**	**211**	**222**	**210**	**432**	**643**

TOP 25 SPRING GOBBLERS TAKEN IN NH DURING 2011 ROUNDED TO NEAREST QUARTER POUND AND QUARTER INCH

HUNTER NAME - RESIDENCE	WEIGHT	BEARD LENGTH	SPUR LENGTH	WMU	TOWN OF KILL
SHAWN R LORTIE of CHESTER	28	10	1.25	M	MERRIMACK
LEO W AUSTIN III of BROOKLINE	28	10	1.00	M	HOLLIS
STEVEN L CLARK of MILFORD	27	10	1.00	M	HUDSON
LEE O SARGENT of PEPPERELL, MA	26	9	1.50	H2	FITZWILLIAM
MARC R TREMBLAY of GRANBY, MA	25.5	10.5	1.00	H2	HINSDALE
KEVIN J BILL of BELMONT	25	10.5	1.25	I1	WARNER
STEVEN E DUARTE of LONDONDERRY	25	9.5	1.00	M	LONDONDERRY
RICHARD J BUSCEMI SR of GREENVILLE	24.5	11	1.00	K	GREENVILLE
MICHAEL S MITCHELL of HINSDALE	24.5	9.5	1.25	H2	HINSDALE
CARL D SIGVARDSON of AMHERST	24.5	9	0.75	K	AMHERST
CHRISTOPHER G MCKEE of RAYMOND	24	11.5	1.25	M	FREMONT
LAFAYETTE J LAHAYE of LEBANON	24	11.25	1.25	H1	LEBANON
MICHAEL T KEBALKA of CLAREMONT	24	10.75	1.25	H1	CORNISH
KEITH A LORTIE of MERRIMACK	24	10	1.25	M	MERRIMACK
CODY J TRYBULSKI of LANGDON	24	10	1.00	H1	LANGDON
DYLAN E CHAPMAN of FARMINGTON	24	10	1.00	J2	FARMINGTON
ROBERT A HOELZEL of NOTTINGHAM	24	10	1.00	M	FREMONT
BRAD E BECKMEYER of SOMERSWORTH	24	10	0.75	L	NEWMARKET
THOMAS M BEMIS SR of MERRIMACK	24	9.5	1.25	M	MERRIMACK
KENNETH P BAILEY of WEARE	24	9.5	1.00	K	WEARE
SCOTT E QUEEN of WOBURN, MA	24	9	1.25	A	PITTSBURG
JOHN R PELKEY JR of ENFIELD	24	9	0.75	G	LEBANON
JOSHUA A WADE of ALSTEAD	24	5	1.25	H1	ACWORTH
TROY L FIELDS of SHAPLEIGH, ME	23.5	7.25	1.00	J1	WAKEFIELD
DONALD M DELISI of CONCORD	23.5	11.5	1.25	I1	CONCORD

2011 TURKEY HARVEST BY TOWN AND SEASON

TOWN / WMU	SPRING HEN	SPRING JAKE	SPRING TOM	SPRING TOTAL	SPRING KPSM[1]	FALL HEN	FALL MALE	FALL TOTAL	FALL KPSM[1]
ACWORTH (H1)	0	6	13	19	0.53	0	1	1	0.03
ALBANY (E/F/J1)	0	0	1	1	0.02	1	0	1	0.02
ALEXANDRIA (G/I1)	0	2	4	6	0.16	0	2	2	0.05
ALLENSTOWN (L)	0	5	6	11	0.61	2	1	3	0.17
ALSTEAD (H1/H2)	0	17	13	30	0.82	1	1	2	0.05
ALTON (J2)	0	18	24	42	0.73	1	2	3	0.05
AMHERST (K/M)	0	9	8	17	0.61	1	3	4	0.14
ANDOVER (G/I1)	0	11	12	23	0.62	3	1	4	0.11
ANTRIM (H2/I2/K)	0	6	7	13	0.41	0	1	1	0.03
ASHLAND (F/G/J2)	0	0	3	3	0.31	0	1	1	0.10
ATKINSON (M)	0	0	0	0	0.00	0	1	1	0.11
AUBURN (L/M)	0	5	7	12	0.55	3	3	6	0.27
BARNSTEAD (J2)	0	11	12	23	0.59	5	2	7	0.18
BARRINGTON (J2/L)	0	12	18	30	0.72	4	5	9	0.22
BARTLETT (E)	0	1	6	7	0.12	0	0	0	0.00
BATH (D2)	0	15	25	40	1.13	13	4	17	0.48
BEDFORD (K/L/M)	0	7	7	14	0.55	4	3	7	0.27
BELMONT (J2)	0	10	13	23	0.90	1	2	3	0.12
BENNINGTON (H2/K)	0	2	11	13	1.33	2	1	3	0.31
BENTON (D2)	0	2	4	6	0.15	0	1	1	0.03
BERLIN (C1/C2)	0	1	1	2	0.04	0	0	0	0.00
BETHLEHEM (D1/D2/E)	0	1	11	12	0.16	1	1	2	0.03
BOSCAWEN (I1)	0	8	11	19	0.86	2	2	4	0.18
BOW (I1/K/L)	0	15	17	32	1.42	2	5	7	0.31
BRADFORD (I2)	0	4	10	14	0.44	0	0	0	0.00
BRENTWOOD (L/M)	0	2	8	10	0.70	2	2	4	0.28
BRIDGEWATER (G)	0	6	5	11	0.55	0	0	0	0.00
BRISTOL (G/I1)	0	1	4	5	0.34	0	0	0	0.00
BROOKFIELD (J1/J2)	0	8	7	15	0.70	0	2	2	0.09
BROOKLINE (K/M)	0	4	2	6	0.35	3	3	6	0.35
CAMBRIDGE (B/C2)	0	0	1	1	0.02	1	0	1	0.02
CAMPTON (F)	0	5	12	17	0.37	0	0	0	0.00
CANAAN (G)	0	8	25	33	0.75	1	4	5	0.11
CANDIA (L/M)	0	14	4	18	0.66	1	2	3	0.11
CANTERBURY (I1/J2)	0	18	18	36	0.90	4	3	7	0.18
CARROLL (D1/E)	0	0	1	1	0.02	0	0	0	0.00
CENTER HARBOR (J1/J2)	0	1	3	4	0.34	0	0	0	0.00
CHARLESTOWN (H1)	0	8	15	23	0.71	1	0	1	0.03
CHATHAM (E)	0	4	1	5	0.10	0	0	0	0.00
CHESTER (M)	0	20	9	29	1.23	2	4	6	0.25
CHESTERFIELD (H2)	0	10	26	36	0.85	1	1	2	0.05
CHICHESTER (J2/L)	0	12	11	23	1.21	1	2	3	0.16
CLAREMONT (H1)	0	19	29	48	1.30	0	3	3	0.08
CLARKSVILLE (A)	0	2	1	3	0.06	0	0	0	0.00
COLEBROOK (A/B)	0	2	4	6	0.19	0	0	0	0.00
COLUMBIA (B)	0	0	4	4	0.08	0	0	0	0.00
CONCORD (I1/J2/K/L)	0	12	20	32	0.67	3	10	13	0.27
CONWAY (E/F/J1)	0	5	14	19	0.31	0	0	0	0.00
CORNISH (H1)	0	10	26	36	0.96	4	1	5	0.13
CROYDON (H1/I2)	0	4	18	22	0.77	0	2	2	0.07

2011 TURKEY HARVEST BY TOWN AND SEASON. CONT.

TOWN / WMU	SPRING HEN	SPRING JAKE	SPRING TOM	SPRING TOTAL	SPRING KPSM[1]	FALL HEN	FALL MALE	FALL TOTAL	FALL KPSM[1]
DALTON (D1)	0	5	1	6	0.26	1	0	1	0.04
DANBURY (G/I1)	0	6	10	16	0.51	1	1	2	0.06
DANVILLE (M)	0	4	1	5	0.50	2	1	3	0.30
DEERFIELD (L)	0	16	14	30	0.64	4	5	9	0.19
DEERING (K)	0	16	4	20	0.71	0	2	2	0.07
DERRY (M)	0	15	9	24	0.84	3	5	8	0.28
DORCHESTER (G)	0	4	4	8	0.21	0	0	0	0.00
DOVER (L)	0	10	12	22	1.11	6	2	8	0.40
DUBLIN (H2)	0	4	9	13	0.54	0	0	0	0.00
DUMMER (B/C1/C2)	0	3	3	6	0.16	0	0	0	0.00
DUNBARTON (K)	0	20	18	38	1.38	2	2	4	0.14
DURHAM (L)	0	10	1	11	0.58	1	3	4	0.21
EAST KINGSTON (M)	0	2	3	5	0.56	0	2	2	0.22
EASTON (D2)	0	1	0	1	0.04	0	0	0	0.00
EATON (J1)	0	2	3	5	0.21	0	0	0	0.00
EFFINGHAM (J1)	0	1	3	4	0.11	0	1	1	0.03
ELLSWORTH (F)	0	2	0	2	0.10	0	0	0	0.00
ENFIELD (G/H1)	0	13	18	31	0.91	3	1	4	0.12
EPPING (L/M)	0	12	10	22	0.98	10	3	13	0.58
EPSOM (J2/L)	0	17	13	30	0.96	3	0	3	0.10
EXETER (L/M)	0	1	2	3	0.19	0	4	4	0.26
FARMINGTON (J2)	0	7	7	14	0.42	1	0	1	0.03
FITZWILLIAM (H2)	0	14	14	28	0.94	0	0	0	0.00
FRANCESTOWN (K)	1	8	10	19	0.68	5	2	7	0.25
FRANCONIA (D1/D2/E)	0	3	5	8	0.16	1	0	1	0.02
FRANKLIN (I1)	0	9	7	16	0.67	2	0	2	0.08
FREEDOM (J1)	0	9	7	16	0.51	2	1	3	0.10
FREMONT (M)	0	3	10	13	0.87	3	3	6	0.40
GILFORD (J2)	0	11	18	29	0.87	4	0	4	0.12
GILMANTON (J2)	0	22	15	37	0.69	3	0	3	0.06
GILSUM (H2)	0	5	8	13	0.85	0	0	0	0.00
GOFFSTOWN (K)	0	22	21	43	1.38	2	10	12	0.38
GORHAM (C1/C2/E)	0	3	2	5	0.18	0	0	0	0.00
GOSHEN (I2/H1)	0	3	8	11	0.54	0	0	0	0.00
GRAFTON (G)	0	6	9	15	0.43	3	0	3	0.09
GRANTHAM (G/H1/I2)	0	3	2	5	0.23	0	0	0	0.00
GREENFIELD (K)	0	8	13	21	0.90	1	1	2	0.09
GREENLAND (M)	0	9	9	18	2.11	1	4	5	0.58
GREENVILLE (K)	0	5	3	8	1.32	1	1	2	0.33
GROTON (G)	0	2	8	10	0.29	1	1	2	0.06
HAMPSTEAD (M)	0	3	0	3	0.27	1	1	2	0.18
HAMPTON (M)	0	0	0	0	0.00	1	1	2	0.30
HAMPTON FALLS (M)	0	3	2	5	0.53	0	1	1	0.11
HANCOCK (H2/K)	0	5	15	20	0.75	0	0	0	0.00
HANOVER (G)	0	2	8	10	0.23	0	1	1	0.02
HARRISVILLE (H2)	0	2	8	10	0.59	1	1	2	0.12
HART'S LOCATION (E)	0	0	1	1	0.06	0	0	0	0.00
HAVERHILL (D2)	0	17	30	47	1.00	10	11	21	0.45
HEBRON (G)	0	4	7	11	0.74	0	3	3	0.20
HENNIKER (I2/K)	0	8	18	26	0.65	4	0	4	0.10

2011 TURKEY HARVEST BY TOWN AND SEASON. CONT.

TOWN / WMU	SPRING HEN	SPRING JAKE	SPRING TOM	SPRING TOTAL	SPRING KPSM[1]	FALL HEN	FALL MALE	FALL TOTAL	FALL KPSM[1]
HILL (I1)	0	1	4	5	0.20	3	1	4	0.16
HILLSBOROUGH (H2/I2/K)	0	13	16	29	0.73	0	3	3	0.08
HINSDALE (H2)	0	11	10	21	1.16	3	0	3	0.17
HOLDERNESS(F/G/J1/J2)	0	4	5	9	0.33	0	0	0	0.00
HOLLIS (M)	0	11	7	18	0.65	2	2	4	0.14
HOOKSETT (K/L)	0	8	12	20	0.71	2	4	6	0.21
HOPKINTON (I1/I2/K)	0	5	15	20	0.53	1	2	3	0.08
HUDSON (M)	0	4	7	11	0.57	1	4	5	0.26
JACKSON (E)	0	0	2	2	0.03	0	0	0	0.00
JAFFREY (H2/K)	0	10	21	31	0.94	2	4	6	0.18
JEFFERSON (C1/D1/E)	0	9	8	17	0.41	2	0	2	0.05
KEENE (H2)	0	3	10	13	0.44	3	1	4	0.14
KENSINGTON (M)	0	5	4	9	0.83	1	0	1	0.09
KINGSTON (M)	0	6	2	8	0.49	1	3	4	0.24
LACONIA (J2)	0	5	7	12	0.81	0	0	0	0.00
LANCASTER (C1/D1)	0	7	14	21	0.52	6	3	9	0.22
LANDAFF (D2)	0	8	6	14	0.54	2	2	4	0.15
LANGDON (H1/H2)	0	4	12	16	1.04	2	1	3	0.19
LEBANON (G/H1)	0	4	18	22	0.67	1	0	1	0.03
LEE (L)	1	9	7	17	0.99	5	2	7	0.41
LEMPSTER (H1/I2)	0	3	9	12	0.49	1	0	1	0.04
LINCOLN (D2/E/F)	0	0	1	1	0.01	0	0	0	0.00
LISBON (D2)	0	6	15	21	0.88	6	4	10	0.42
LITCHFIELD (M)	0	3	6	9	0.79	0	1	1	0.09
LITTLETON (D1/D2)	0	5	14	19	0.43	2	6	8	0.18
LONDONDERRY (M)	1	16	9	26	0.82	0	3	3	0.09
LOUDON (J2)	0	21	15	36	0.90	5	4	9	0.22
LYMAN (D2)	0	6	12	18	0.67	2	0	2	0.07
LYME (G)	0	6	10	16	0.32	2	0	2	0.04
LYNDEBOROUGH (K)	0	15	26	41	1.44	0	5	5	0.18
MADBURY (L)	0	6	2	8	0.77	0	0	0	0.00
MADISON (F/J1)	0	6	13	19	0.54	2	0	2	0.06
MANCHESTER (K/L/M)	0	0	2	2	0.15	1	1	2	0.15
MARLBOROUGH (H2)	0	4	18	22	1.16	2	2	4	0.21
MARLOW (H1/H2/I2)	0	4	10	14	0.65	1	0	1	0.05
MASON (K)	0	10	6	16	0.70	2	1	3	0.13
MEREDITH (I1/J2)	0	4	10	14	0.40	1	0	1	0.03
MERRIMACK (M)	0	10	18	28	1.16	4	1	5	0.21
MIDDLETON (J2)	1	6	2	9	0.54	1	0	1	0.06
MILAN (B/C1/C2)	0	5	2	7	0.15	0	0	0	0.00
MILFORD (K/M)	0	10	6	16	0.78	3	4	7	0.34
MILTON (J2)	0	13	4	17	0.57	1	4	5	0.17
MONROE (D2)	0	11	18	29	1.39	2	3	5	0.24
MONT VERNON (K)	1	3	5	9	0.58	1	0	1	0.06
MOULTONBORO (J1/J2)	0	2	9	11	0.21	1	0	1	0.02
NASHUA (M)	0	1	0	1	0.08	0	0	0	0.00
NELSON (H2)	0	6	10	16	0.83	1	2	3	0.16
NEW BOSTON (K)	0	14	18	32	0.83	6	6	12	0.31
NEW DURHAM (J2)	0	15	10	25	0.66	0	2	2	0.05
NEW HAMPTON (G/I1/J2)	0	9	9	18	0.54	2	0	2	0.06

2011 TURKEY HARVEST BY TOWN AND SEASON. CONT.

TOWN / WMU	SPRING HEN	SPRING JAKE	SPRING TOM	SPRING TOTAL	SPRING KPSM[1]	FALL HEN	FALL MALE	FALL TOTAL	FALL KPSM[1]
NEW IPSWICH (K)	0	10	12	22	0.75	5	3	8	0.27
NEW LONDON (G/I1/I2)	0	0	7	7	0.38	1	0	1	0.05
NEWBURY (I2)	0	9	11	20	0.63	1	0	1	0.03
NEWFIELDS (L)	0	8	2	10	1.58	1	1	2	0.32
NEWINGTON (M)	0	3	3	6	1.00	1	0	1	0.17
NEWMARKET (L)	0	4	4	8	0.77	0	3	3	0.29
NEWPORT (H1/I2)	2	11	17	30	0.77	1	3	4	0.10
NEWTON (M)	0	2	0	2	0.24	0	0	0	0.00
NORTH HAMPTON (M)	0	2	0	2	0.18	0	1	1	0.09
NORTHFIELD (I1/J2)	0	13	6	19	0.73	3	0	3	0.12
NORTHUMBERLAND (B/C1/D1)	0	4	2	6	0.20	0	0	0	0.00
NORTHWOOD (J2/L)	0	9	12	21	0.82	5	2	7	0.27
NOTTINGHAM (L)	0	10	12	22	0.52	4	4	8	0.19
ORANGE (G)	0	3	4	7	0.38	0	0	0	0.00
ORFORD (D2/G)	0	6	17	23	0.54	1	0	1	0.02
OSSIPEE (J1)	0	6	8	14	0.22	2	1	3	0.05
PELHAM (M)	0	9	4	13	0.60	1	3	4	0.18
PEMBROKE (L)	0	7	8	15	0.78	1	1	2	0.10
PETERBOROUGH (H2/K)	0	3	17	20	0.62	6	1	7	0.22
PIERMONT (D2)	1	6	13	20	0.55	1	1	2	0.05
PITTSBURG (A)	0	3	6	9	0.04	0	0	0	0.00
PITTSFIELD (J2)	0	11	9	20	0.92	3	0	3	0.14
PLAINFIELD (H1)	0	20	38	58	1.26	1	3	4	0.09
PLAISTOW (M)	0	2	1	3	0.37	1	0	1	0.12
PLYMOUTH (F/G)	0	7	4	11	0.46	0	0	0	0.00
PORTSMOUTH (M)	0	4	1	5	0.63	0	2	2	0.25
RANDOLPH (C1/E)	0	0	2	2	0.05	0	0	0	0.00
RAYMOND (L/M)	0	8	7	15	0.63	0	2	2	0.08
RICHMOND (H2)	0	19	9	28	0.78	1	0	1	0.03
RINDGE (H2/K)	0	6	13	19	0.61	4	2	6	0.19
ROCHESTER (J2/L)	0	21	10	31	0.88	1	6	7	0.20
ROLLINSFORD (L)	0	7	3	10	1.60	0	1	1	0.16
ROXBURY (H2)	0	4	1	5	0.44	0	0	0	0.00
RUMNEY (F/G)	1	4	8	13	0.34	1	0	1	0.03
RYE (M)	0	1	2	3	0.33	0	2	2	0.22
SALEM (M)	0	3	1	4	0.25	1	0	1	0.06
SALISBURY (I1)	0	11	8	19	0.51	1	1	2	0.05
SANBORNTON (I1/J2)	0	11	12	23	0.52	4	1	5	0.11
SANDOWN (M)	0	4	5	9	0.76	4	1	5	0.42
SANDWICH (F/J1)	0	8	10	18	0.22	0	0	0	0.00
SEABROOK (M)	0	1	1	2	0.45	0	0	0	0.00
SHARON (K)	0	3	8	11	0.80	0	1	1	0.07
SHELBURNE (C2/E)	0	0	6	6	0.16	0	0	0	0.00
SOMERSWORTH (L)	0	2	2	4	0.57	0	1	1	0.14
SOUTH HAMPTON (M)	0	4	5	9	1.26	0	0	0	0.00
SPRINGFIELD (G/I2)	0	5	12	17	0.52	0	2	2	0.06
STARK (B/C1)	1	3	2	6	0.12	0	0	0	0.00
STEWARTSTOWN (A)	0	6	7	13	0.35	0	0	0	0.00
STODDARD (H2/I2)	1	3	8	12	0.28	1	0	1	0.02
STRAFFORD (J2)	0	12	11	23	0.50	0	0	0	0.00

2011 TURKEY HARVEST BY TOWN AND SEASON. CONT.

TOWN / WMU	SPRING HEN	SPRING JAKE	SPRING TOM	SPRING TOTAL	SPRING KPSM[1]	FALL HEN	FALL MALE	FALL TOTAL	FALL KPSM[1]
STRATFORD (B)	0	2	6	8	0.12	0	0	0	0.00
STRATHAM (L/M)	0	11	4	15	1.18	0	2	2	0.16
SUCCESS (C2)	0	0	1	1	0.03	0	0	0	0.00
SUGAR HILL (D1/D2)	0	4	2	6	0.38	2	0	2	0.13
SULLIVAN (H2)	0	2	4	6	0.36	1	0	1	0.06
SUNAPEE (G/I2)	0	3	10	13	0.74	0	0	0	0.00
SURRY (H2)	0	2	5	7	0.49	0	0	0	0.00
SUTTON (I1/I2)	0	6	6	12	0.32	0	1	1	0.03
SWANZEY (H2)	0	8	19	27	0.68	3	3	6	0.15
TAMWORTH (F/J1)	0	7	9	16	0.30	0	1	1	0.02
TEMPLE (K)	1	11	7	19	0.91	2	2	4	0.19
THORNTON (F)	0	2	5	7	0.15	0	0	0	0.00
TILTON (I1/J2)	0	3	6	9	0.98	0	1	1	0.11
TROY (H2)	0	2	4	6	0.37	1	0	1	0.06
TUFTONBORO (J1/J2)	0	6	14	20	0.55	0	2	2	0.05
UNITY (H1)	0	8	17	25	0.74	1	0	1	0.03
WAKEFIELD (J1/J2)	0	13	9	22	0.63	0	0	0	0.00
WALPOLE (H1/H2)	1	10	16	27	0.85	2	2	4	0.13
WARNER (I1/I2)	0	12	15	27	0.54	0	1	1	0.02
WARREN (D2/F)	0	4	4	8	0.17	0	0	0	0.00
WASHINGTON (I2)	0	5	6	11	0.32	1	1	2	0.06
WEARE (K)	0	34	28	62	1.15	4	0	4	0.07
WEBSTER (I1)	0	11	12	23	0.90	0	2	2	0.08
WENTWORTH (D2/F/G)	0	5	5	10	0.28	0	0	0	0.00
WESTMORELAND (H2)	0	11	17	28	0.82	1	1	2	0.06
WHITEFIELD (D1)	1	10	10	21	0.77	6	1	7	0.26
WILMOT (G/I1)	0	5	11	16	0.63	1	0	1	0.04
WILTON (K)	0	11	10	21	0.91	4	1	5	0.22
WINCHESTER (H2)	0	23	8	31	0.61	1	2	3	0.06
WINDHAM (M)	0	2	0	2	0.09	0	2	2	0.09
WINDSOR (I2)	0	1	0	1	0.14	0	0	0	0.00
WOLFEBORO (J1/J2)	0	10	11	21	0.48	2	3	5	0.11
WOODSTOCK (D2/F)	0	1	2	3	0.06	0	1	1	0.02
TOTAL	**14**	**1613**	**2045**	**3672**		**328**	**315**	**643**	

[1] - Kill per square mile of turkey habitat.

PHOTO © NHFG

2010/2011 FURBEARER HARVEST SUMMARY

During the 2010/11 trapping season, New Hampshire trappers continued to provide valuable benefits to New Hampshire's citizenry. Trapper harvest, under the guidelines of carefully regulated trapping programs, helps maintain furbearer populations at desired biological and social levels. Data that trappers provide in annual trapper reports are essential for furbearer population management decision-making. Finally, the expertise that trappers provide to state, municipal, and private interests in resolving wildlife/human conflicts represents an invaluable public service.

Results from the 2010/11 New Hampshire trapping season reflect the fact that New Hampshire furbearers are widespread and abundant. A total of 497 trapper licenses were issued for the 2010/11 trapping season. This represents a 7% increase from the 465 licenses issued the previous year. Average pelt values, derived from the annual New Hampshire Trappers Association fur auction, increased from the previous year for most species. Only coyote experienced a decrease in pelt value. The value of the 2010/11 fur harvest was $89,477, based on average pelt values and the total amount of fur harvested in New Hampshire.

The New Hampshire furbearer management program relies on trapper data to monitor furbearer populations and to develop season proposals. The Catch Per Unit Effort (CPUE) value for fisher was 1.59 fisher caught per 100 trap-nights, compared to 1.61 in 2009/10 and 1.64 in 2008/09. The nearly constant CPUE value for fisher suggests that the population has stabilized. While trends for other species have varied, declines and increases are within historic norms.

Fish and Game's cooperative bobcat research project, being implemented by UNH, was expanded into southeast New Hampshire last year. A total of 11 bobcats were captured in cage traps and 7 were fitted with telemetry collars. Data analysis from these animals is pending. Current objectives for the study include efforts to generate a population estimate, compare our population to that of neighboring states, identify wildlife corridors, and assess the potential to use trail cameras as a means to index regional bobcat populations. This study is slated for completion in December, 2013.

The furbearer project thanks all those trappers who have partcipated in the bobcat-capture phase of the bobcat study. Your efforts have been instrumental to our success to date.

NEW HAMPSHIRE FURBEARER MANAGEMENT REGIONS

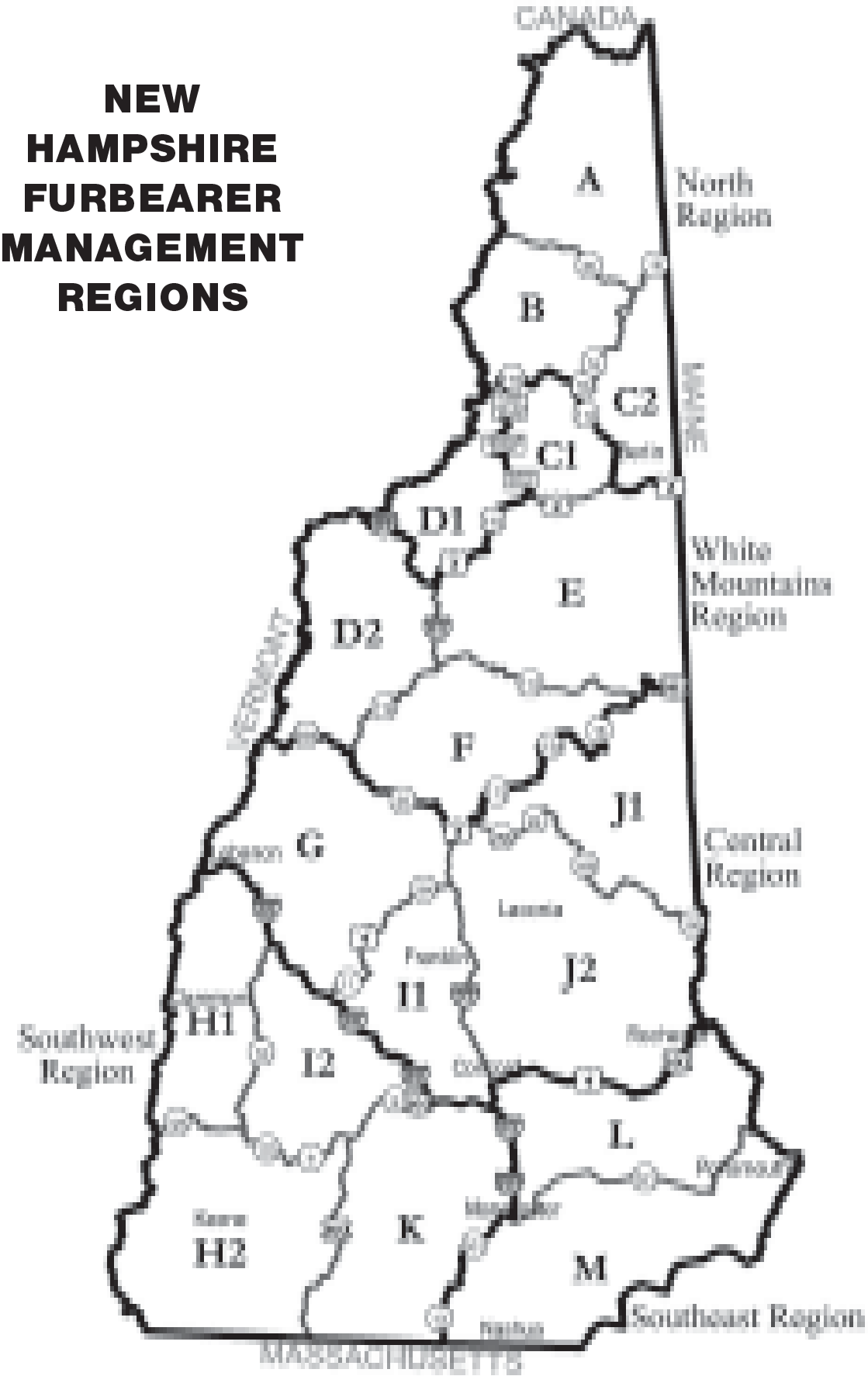


TABLE 1. NH FURBEARER TRAPPER HARVEST BY SEASON, 2003/04-2010/11

SEASON	BEAVER	COYOTE	FISHER	GRAY FOX	MINK	MUSKRAT	OTTER	RACCOON	RED FOX
2003-2004	2626	654	741	215	304	1495	321	433	454
2004-2005	2366	622	694	104	314	2118	279	55	381
2005-2006	2875	436	523	54	269	1694	326	319	228
2006-2007	3329	551	587	167	428	2489	330	447	326
2007-2008	2252	386	397	114	448	1537	177	510	223
2008-2009	2756	505	381	154	277	1170	209	362	286
2009-2010	2603	426	298	189	253	1736	267	409	254
2010-2011	2329	401	335	187	332	1272	214	524	226

TABLE 2. NH FURBEARER STATEWIDE CATCH PER 100 TRAP NIGHTS 2003/04-2010/11

SEASON	BEAVER	COYOTE	FISHER	GRAY FOX	MINK	MUSKRAT	OTTER	RACCOON	RED FOX
2003-2004	7.15	1.88	2.83	1.37	1.73	6.34	2.33	2.26	2.17
2004-2005	8.09	1.59	2.51	1.52	2.19	9.17	1.76	3.00	1.86
2005-2006	6.38	1.85	1.94	0.86	2.07	7.76	1.58	2.46	1.52
2006-2007	7.31	1.77	1.34	1.12	1.30	5.41	1.58	1.78	2.04
2007-2008	8.82	2.77	1.62	1.24	2.64	7.28	2.11	3.17	1.64
2008-2009	7.52	2.30	1.64	1.30	2.09	5.90	1.63	2.67	1.66
2009-2010	7.62	2.00	1.61	1.20	2.07	6.24	2.76	3.57	1.41
2010-2011	8.80	1.92	1.58	1.52	2.08	5.73	1.97	3.18	1.51

TABLE 3. NH FURBEARER TRAPPER HARVEST BY REGION, 2010/11

REGION	BEAVER	COYOTE	FISHER	GRAY FOX	MINK	MUSKRAT	OTTER	RACCOON	RED FOX
NORTH	297	73	29	6	36	170	21	77	47
WHITE MTN.	238	87	27	12	59	145	17	37	13
CENTRAL	635	100	102	68	128	459	60	166	77
S. WEST	624	100	91	51	80	218	76	117	53
S. EAST	535	41	86	50	29	280	40	127	36
STATEWIDE	**2329**	**401**	**335**	**187**	**332**	**1272**	**214**	**524**	**226**

TABLE 4. NH FURBEARER CATCH PER 100 TRAP NIGHTS BY REGION, 2010/11

REGION	BEAVER	COYOTE	FISHER	GRAY FOX	MINK	MUSKRAT	OTTER	RACCOON	RED FOX
NORTH	12.73	3.65	2.17	4.08	2.52	4.33	1.79	4.02	2.49
WHITE MTN.	10.57	474	1.36	1.58	2.54	10.23	3.88	4.65	2.02
CENTRAL	8.68	1.34	1.78	1.03	1.89	5.88	2.03	2.60	1.14
S. WEST	7.76	1.52	1.32	2.24	2.43	5.01	1.79	3.49	1.63
S. EAST	8.20	1.38	1.64	1.98	1.36	5.97	1.95	3.13	1.48
STATEWIDE	**8.80**	**1.92**	**1.58**	**1.52**	**2.08**	**5.73**	**1.97**	**3.18**	**1.51**