

2007 New Hampshire
**WILDLIFE
HARVEST**
Summary



**NEW HAMPSHIRE
FISH AND GAME DEPARTMENT**

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2007 WHITE-TAILED DEER HARVEST SUMMARY



Another milder than average winter has again helped to increase deer numbers in many areas of the state and brought deer numbers closer than ever to the population objectives in many Wildlife Management Units (WMUs) in New Hampshire. The New Hampshire deer harvest in 2007 increased 15% from 11,766 in 2006 to 13,559. The total kill in 2007 was the second highest since record keeping began in 1922 and was only exceeded by a kill of 14,204 in 1967. While the population is at or near the objective in many WMUs and efforts to stabilize the population will now begin, if average winters continue we should see deer populations continue to increase in those WMUs where current levels are below population objectives based on the Big Game Management Plan. The harvest of 13,559 deer represents approximately 15% of the pre-hunt deer population.

The 2007 statewide adult (1.5 years old or older) male kill was 7,667, a 15% increase from 6,678 in 2006. The adult buck kill in 2007 was the highest in New Hampshire's history and exceeded the previous record of 6,855 in 2002 by 12%. Almost all WMUs exhibited at least modest increases in adult buck harvest in the 2007 season. Total male kill, including male fawns was 8,824. The statewide female kill in 2007 was 4,735, also up from 3,938 in 2006. The 2007 general season framework, either-sex hunting opportunities and a map of WMUs are provided in a subsequent figure in this report.

The youth hunt kill during their special weekend was 642. This total was nearly the same as the 2006 total of 668. Archery hunters took 3,808 deer in 2007, up from 2,978 taken in 2006. The muzzleloader harvest in 2007 was 2,787, up from 2,484 in 2006 while "regular" firearm hunters took 6,322 deer in 2007, also up from 5,636 in 2006. Subsequent tables give additional details on the harvest by season, sex and WMU.

Biological information was again collected during 2007 at select deer registration stations in order to monitor the physical condition of New Hampshire's deer and to help assess harvest age structure. Average yearling antler beam diameter was 17.6 millimeters and yearling male field dressed weight averaged 114 pounds. Both of these values are nearly identical to the recent 5-year averages of 17.5 millimeters and 115 pounds respectively, and continue to indicate that deer populations remain below the biological carrying capacity of our deer habitat and that deer remain in good physical condition. The statewide yearling male fraction (the percentage of adult males consisting of yearlings) for the 2007 harvest was 45.2%, a slight decrease from 46.4% in 2006. The distribution of older adult males was 31% at 2.5 years old, 15% at 3.5 years, 6% at 4.5 years and 3% at 5.5+ years old. Additionally, mature bucks at 4.5 years old averaged 195 pounds dressed weight with 7.9 points while bucks 5.5+ years old averaged 197 pounds with 8.5 points.

In summary, the 2007 deer harvest was in many ways the best in history. While the total kill was higher in 1967, that harvest was nearly 50% does, which, combined with severe winters, started

a decline in New Hampshire’s deer population that continued off and on for the following 15 years. Today’s harvests, comprised mostly of males, with record-setting adult buck kills, is much more sustainable. While some Wildlife Management Units still need some additional time and effort to achieve deer population objectives, the state as a whole has seen significant improvements in its deer population and hunting opportunities since 1983, when the total kill was only 3,280.

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	270	0%*
B	125	158	-21%
C1	100	71	+41%
C2	125	104	+20%
D1	260	185	+41%
D2	530	634	-16%
E	100	89	+12%
F	150	120	+25%
G	530	488	+9%
H1	460	453	+2%
H2	750	698	+7%
I1	330	244	+35%
I2	360	292	+23%
J1	375	301	+25%
J2	940	1,008	-7%
K	735	717	+3%
L	525	571	-8%
M	535	774	-31%
TOTAL	7,265	6,897	+5%

¹ - 2-year running average of adult (age 1.5+) male kill.
 * - Antler point restrictions (APRs) in WMU-A which made “spike” bucks illegal can be expected to reduce adult buck kill by about 21%. It is felt that this population is close to the objective and should be stabilized at its current level while the effects of APRs on the population are evaluated.

2007 N.H. DEER SEASON

TYPE	INCLUSIVE DATES	WILDLIFE MGMT. UNITS
ARCHERY		
Any Deer Antlerless & Antlered	Sept. 15 – Dec. 15 Sept. 15 – Dec. 8	B-M A (See note below*)
YOUTH WEEKEND		
Any Deer	Oct. 27 – Oct. 28	STATEWIDE
MUZZLELOADER		
Any Deer Antlered Only	Nov. 3 ONLY Nov. 4 – Nov. 13	D ¹ , D ² , G, I ¹ , I ² , J ¹
Any Deer Antlered Only	Nov. 3 – Nov. 4 Nov. 5 – Nov. 13	B, C ¹ , C ² , E, F, H ¹ , H ²
Any Deer Antlered Only	Nov. 3 – Nov. 5 Nov. 6 – Nov. 13	J ² , K
Any Deer	Nov. 3 – Nov. 13	L, M
Antlerless & Antlered Antlered Only	Nov. 5 – Nov. 7 Nov. 8 – Nov. 13	A (See note below*)
FIREARM		
Antlered Only	Nov. 14 – Dec. 9	C ¹ , C ² , D ¹ , E, F, G, J ¹
Any Deer Antlered Only	Nov. 14 ONLY Nov. 15 – Dec. 9	D ² , I ¹ , I ²
Any Deer Antlered Only	Nov. 14 – Nov. 15 Nov. 16 – Dec. 9	B, H ¹ , H ² , J ² , K
Antlerless & Antlered Antlered Only	Nov. 14 – Nov. 15 Nov. 16 – Dec. 2	A (See note below*)
Any Deer Antlered Only	Nov. 14 – Nov. 23 Nov. 24 – Dec. 9	L, M

DEFINITIONS –

Antlered Deer: Deer with at least one antler three (3) inches long.

***NEW FOR 2007 – In WMU A only:** Antlered deer must have a minimum of 2 points (at least one antler 3 inches long, plus at least one point that branches off the main beam and is at least 1 inch long).

Antlerless Deer: A deer without antlers or with antlers less than 3 inches long.

Any Deer: All deer regardless of sex or age.

2008 Firearm Opening Day: Nov. 12, 2008

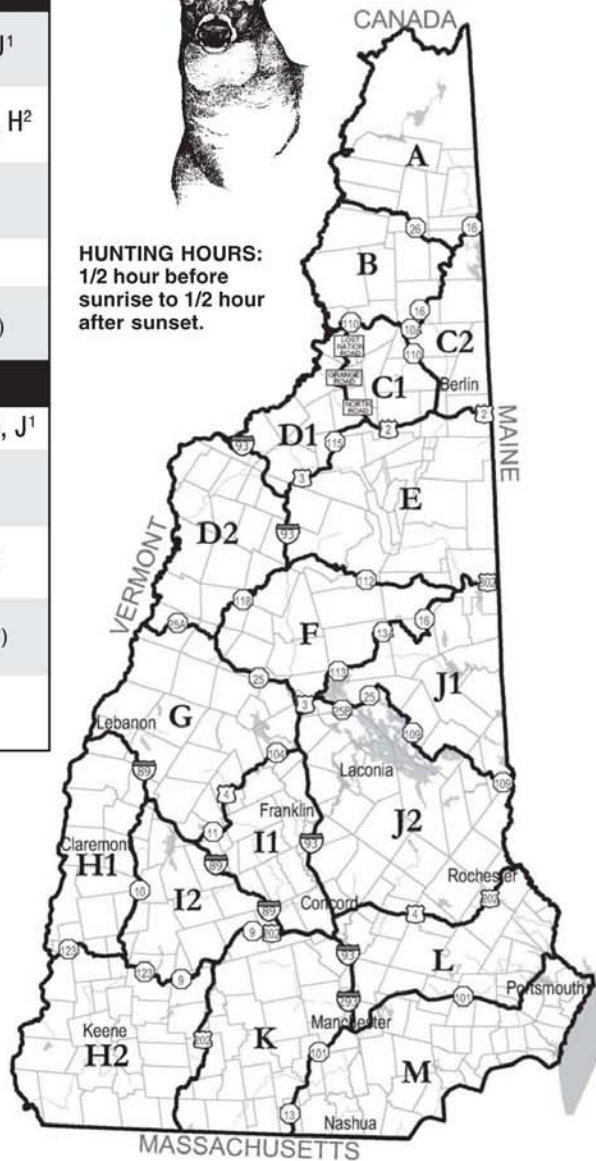


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**FIREARM OPENING DAY
NOVEMBER 14, 2007**



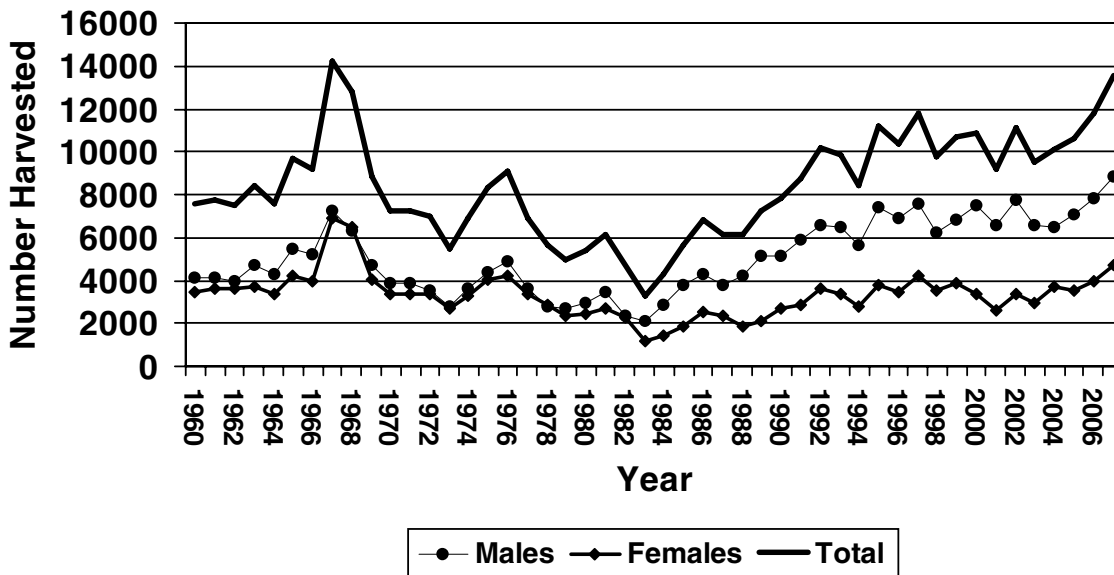
HUNTING HOURS:
1/2 hour before
sunrise to 1/2 hour
after sunset.



TOTAL AND SEX-SPECIFIC DEER HARVEST FOR 1960-2007 HUNTING SEASONS

The graph below shows the number of male, female and total deer harvested during the past 48 deer seasons. The highest harvest (14,204 deer) occurred in 1967 but the 2007 harvest of 13,559 was the second highest. 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.

The graph below shows a highly variable deer harvest over the past 4 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. It is noteworthy that when the deer population reaches the management plan goal, 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.



DEER KILL BY SEX, SEASON AND WILDLIFE MANAGEMENT UNIT IN 2007

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 2007

SEASON	WILDLIFE MANAGEMENT UNIT (WMU)																	ALL	
	A	B	C1	C2	D1	D2	E	F	G	H1	H2	I1	I2	J1	J2	K	L		M
ARCHERY	45	21	17	13	55	194	16	19	99	111	150	38	59	36	293	200	145	254	1765
YOUTH	15	5	1	2	12	43	2	2	25	24	30	9	8	14	44	32	9	19	296
MUZZL.	45	23	11	18	32	125	13	26	79	122	180	45	59	42	243	190	210	303	1766
FIREARM	201	160	50	85	145	412	66	85	334	297	450	197	214	270	656	485	334	556	4997
TOTAL	306	209	79	118	244	774	97	132	537	554	810	289	340	362	1236	907	698	1132	8824
KILL /	0.55		0.41		1.14		0.14		0.87		1.25		0.95		0.83		1.56		1.08
SQ. MI.		0.64		0.52		1.74		0.29		1.46		0.88		0.83		1.56		2.12	

FEMALE KILL BY SEASON AND WILDLIFE MANAGEMENT UNIT DURING 2007

SEASON	WILDLIFE MANAGEMENT UNIT (WMU)																	ALL	
	A	B	C1	C2	D1	D2	E	F	G	H1	H2	I1	I2	J1	J2	K	L		M
ARCHERY	65	24	17	17	41	211	13	18	146	114	183	55	55	65	328	251	148	292	2043
YOUTH	9	7	5	2	15	83	1	1	30	22	38	8	11	20	37	34	14	9	346
MUZZL.	38	12	6	9	7	41	3	9	29	78	80	23	21	14	129	98	125	299	1021
FIREARM	48	15	0	1	0	67	0	0	1	83	122	20	27	0	164	77	197	503	1325
TOTAL	160	58	28	29	63	402	17	28	206	297	423	106	114	99	658	460	484	1103	4735
KILL /	0.29		0.14		0.29		0.02		0.33		0.65		0.32		0.23		0.79		0.58
SQ. MI.		0.18		0.13		0.91		0.06		0.78		0.32		0.23		0.79		2.07	

TOTAL KILL BY SEASON AND WILDLIFE MANAGEMENT UNIT DURING 2007

SEASON	WILDLIFE MANAGEMENT UNIT (WMU)																	ALL	
	A	B	C1	C2	D1	D2	E	F	G	H1	H2	I1	I2	J1	J2	K	L		M
ARCHERY	110	45	34	30	96	405	29	37	245	225	333	93	114	101	621	451	293	546	3808
YOUTH	24	12	6	4	27	126	3	3	55	46	68	17	19	34	81	66	23	28	642
MUZZL.	83	35	17	27	39	166	16	35	108	200	260	68	80	56	372	288	335	602	2787
FIREARM	249	175	50	86	145	479	66	85	335	380	572	217	241	270	820	562	531	1059	6322
TOTAL	466	267	107	147	307	1176	114	160	743	851	1233	395	454	461	1894	1367	1182	2235	13559
KILL /	0.84		0.55		1.43		0.17		1.21		1.90		1.27		1.06		2.34		1.67
SQ. MI.		0.82		0.65		2.65		0.35		2.25		1.21		1.06		2.34		4.19	

ADULT MALE KILL BY WILDLIFE MANAGEMENT UNIT (1960-2007)

Adult male 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 male seasons have remained fairly constant, and the adult male kill provides an accurate and consistent index to change in population levels within a WMU. Adult male 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.

YEAR	WILDLIFE MANAGEMENT UNIT (WMU)																	TOTAL	
	A	B	C1	C2	D1	D2	E	F	G	H1	H2	I1	I2	J1	J2	K	L		M
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

MALE KILL BY SEASON AND WILDLIFE MANAGEMENT UNIT DURING 2007

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 5 days of the firearms season and high kills on weekends for both seasons. The Thanksgiving weekend 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)																			
SEASON	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	45	21	17	13	55	194	16	19	99	111	150	38	59	36	293	200	145	254	1765
YOUTH WEEKEND (27-28 OCTOBER)																			
Oct. 27	7	5	0	1	7	28	1	1	13	14	16	2	4	5	26	15	4	6	155
Oct. 28	8	0	1	1	5	15	1	1	12	10	14	7	4	9	18	17	5	13	141
TOTAL	15	5	1	2	12	43	2	2	25	24	30	9	8	14	44	32	9	19	296
MUZZLELOADER SEASON (3 NOVEMBER – 13 NOVEMBER)																			
Nov. 3	0	5	1	3	11	40	2	3	25	40	59	9	19	10	56	53	26	35	397
Nov. 4	0	6	3	5	4	20	2	1	8	30	39	3	6	3	66	40	42	56	334
Nov. 5	15	1	1	0	1	9	1	3	5	2	8	3	3	2	30	16	17	18	135
Nov. 6	9	2	1	1	4	8	1	1	7	4	10	5	4	1	5	4	8	11	86
Nov. 7	6	1	1	3	0	8	3	3	3	5	7	1	3	0	10	9	13	26	102
Nov. 8	2	0	0	1	1	6	0	1	6	6	7	2	2	3	9	5	12	18	81
Nov. 9	3	2	0	0	3	6	1	2	2	3	7	0	2	3	6	11	13	22	86
Nov. 10	3	1	1	1	4	13	1	4	8	13	14	10	9	5	24	17	36	47	211
Nov. 11	3	3	2	2	3	9	1	5	8	10	14	2	7	6	20	22	20	36	173
Nov. 12	3	2	0	2	1	3	1	1	5	4	7	6	4	2	8	9	20	19	97
Nov. 13	1	0	1	0	0	3	0	2	2	5	8	4	0	7	9	4	3	15	64
TOTAL	45	23	11	18	32	125	13	26	79	122	180	45	59	42	243	190	210	303	1766
REGULAR FIREARM SEASON (14 NOVEMBER – 9 DECEMBER)																			
Nov. 14	31	14	2	1	8	83	5	5	24	70	112	36	37	30	124	89	28	38	737
Nov. 15	14	7	0	0	2	5	1	1	7	24	21	3	1	7	36	38	8	15	190
Nov. 16	7	4	1	4	9	19	2	4	23	13	23	15	10	10	22	12	20	18	216
Nov. 17	19	7	2	7	14	38	4	6	33	18	30	17	18	32	58	47	63	79	492
Nov. 18	10	12	3	4	8	25	8	8	22	12	18	11	10	17	32	32	36	48	316
Nov. 19	8	4	3	3	4	9	5	1	10	8	11	6	7	10	9	5	14	13	130
Nov. 20	6	5	2	3	4	16	5	3	11	7	11	9	7	8	17	15	14	27	170
Nov. 21	7	6	5	4	11	18	2	7	16	19	20	9	15	7	19	18	12	23	218
Nov. 22	7	7	3	3	16	16	3	7	15	18	18	11	7	9	32	23	15	21	231
Nov. 23	7	8	0	4	6	19	1	2	20	17	18	9	10	16	39	26	34	36	272
Nov. 24	15	12	6	4	6	23	3	3	23	12	18	10	16	17	39	24	9	32	272
Nov. 25	10	15	4	8	8	17	5	6	10	9	18	6	10	21	23	21	13	24	228
Nov. 26	9	2	3	1	5	4	2	2	7	4	1	3	4	1	9	2	3	8	70
Nov. 27	13	2	0	3	5	8	1	2	6	3	6	2	3	8	11	10	4	8	95
Nov. 28	6	3	2	2	4	8	0	1	6	3	3	3	5	3	8	5	1	7	70
Nov. 29	6	5	2	1	2	5	0	0	9	2	4	4	5	2	8	7	3	8	73
Nov. 30	9	2	0	1	2	8	2	3	3	2	9	1	0	2	8	4	3	10	69
Dec. 1	11	10	2	4	5	12	4	1	16	9	15	2	6	3	20	7	7	18	152
Dec. 2	6	6	0	3	2	6	1	4	13	7	12	7	2	8	14	9	8	15	123
Dec. 3	0	2	0	2	4	12	1	2	4	4	7	4	3	8	9	14	3	15	94
Dec. 4	0	2	3	4	3	12	3	2	11	5	8	5	7	4	23	14	4	12	122
Dec. 5	0	2	2	1	2	8	2	2	7	4	7	6	8	4	7	12	3	4	81
Dec. 6	0	6	0	4	2	6	2	2	10	5	10	2	4	4	11	5	3	11	87
Dec. 7	0	5	2	2	7	9	1	2	3	3	17	2	7	6	22	13	2	10	113
Dec. 8	0	11	2	5	2	16	2	6	17	15	14	7	10	23	36	25	14	29	234
Dec. 9	0	1	1	7	4	10	1	3	8	4	19	7	2	10	20	8	10	27	142
TOTAL	201	160	50	85	145	412	66	85	334	297	450	197	214	270	656	485	334	556	4997
GRAND TOTAL	306	209	79	118	244	774	97	132	537	554	810	289	340	362	1236	907	698	1132	8824

YEARLING ANTLER BEAM DIAMETER BY WILDLIFE MANAGEMENT UNIT (2003-2007)

The antler beam diameter of yearling (1.5 year old) males (YABD) is used to assess the quality of deer habitat. The biological maximum 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.

WMU	YEAR					5-YEAR AVERAGE
	2007	2006	2005	2004	2003	
A	17.0* (8)	18.5 (27)	17.3 (19)	17.5 (24)	18.4 (22)	17.9 (100)
B	16.4 (21)	17.8 (29)	16.8 (9)	16.0 (2)	21.0 (7)	17.5 (68)
C1	16.5 (2)	17.0 (6)	14.0 (1)	18.0 (2)	14.0 (4)	16.1 (15)
C2	16.5 (2)	18.5 (2)	19.0 (1)	. (0)	. (0)	17.8 (5)
D1	17.7 (14)	17.8 (12)	18.2 (5)	19.7 (3)	16.6 (5)	17.8 (39)
D2	18.0 (14)	17.8 (9)	16.6 (14)	19.7 (3)	16.0 (21)	17.0 (61)
E	. (0)	22.0 (2)	17.0 (3)	15.5 (2)	16.0 (2)	17.6 (9)
F	16.5 (2)	17.0 (1)	. (0)	. (0)	16.5 (6)	16.6 (9)
G	16.3 (7)	18.0 (2)	16.6 (11)	15.8 (5)	15.3 (6)	16.3 (31)
H1	18.3 (11)	18.3 (8)	16.8 (19)	17.0 (3)	17.8 (14)	17.6 (55)
H2	18.3 (23)	17.4 (10)	16.6 (23)	18.4 (13)	16.1 (18)	17.3 (87)
I1	19.3 (7)	18.4 (5)	17.6 (14)	17.3 (4)	18.3 (4)	18.1 (34)
I2	19.3 (11)	19.0 (7)	17.7 (7)	15.9 (9)	17.0 (8)	17.8 (42)
J1	18.0 (1)	15.3 (3)	18.0 (6)	17.9 (8)	16.3 (14)	17.0 (32)
J2	16.3 (10)	18.7 (19)	16.4 (35)	16.7 (25)	17.4 (36)	17.1 (125)
K	18.7 (23)	18.0 (15)	16.8 (48)	17.1 (21)	18.0 (29)	17.6 (136)
L	16.1 (12)	19.1 (11)	17.0 (27)	17.6 (36)	17.2 (28)	17.3 (114)
M	17.2 (30)	18.6 (35)	17.6 (34)	17.5 (28)	18.3 (22)	17.8 (149)
ALL	17.6 (198)	18.2 (203)	17.0 (276)	17.4 (188)	17.3 (246)	17.5 (1111)

* - Adjusted for the effect of antler point restriction implemented in WMU-A during 2007.

YEARLING MALE FRACTION BY WILDLIFE MANAGEMENT UNIT (2003-2007)

The yearling male fraction (YMF) is the percentage of harvested adult males that are yearlings. 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 other northeastern states, and this is why we maintain good age structure in the male population. In 2007, about 31% of harvested adult males were 2½ years old and 24% were 3½ years or older. The number in parenthesis following each average is the number of aged yearling males in the sample.

WMU	YEAR					5-YEAR AVERAGE
	2007	2006	2005	2004	2003	
A	24.2* (8)*	71.1 (27)	63.3 (19)	63.4 (26)	56.4 (22)	56.4 (102)
B	45.1 (23)	64.6 (31)	44.8 (13)	16.7 (2)	53.8 (7)	49.7 (76)
C1	22.2 (2)	66.7 (6)	28.6 (2)	40.0 (2)	62.5 (5)	44.7 (17)
C2	50.0 (3)	60.0 (3)	50.0 (1)	0.0 (0)	0.0 (0)	46.7 (7)
D1	53.8 (14)	61.9 (13)	42.9 (6)	66.7 (4)	27.8 (5)	49.4 (42)
D2	51.9 (14)	60.0 (9)	71.4 (15)	37.5 (3)	41.2 (21)	50.8 (62)
E	0.0 (0)	40.0 (2)	60.0 (3)	40.0 (2)	40.0 (2)	40.9 (9)
F	50.0 (2)	100.0 (1)	. (0)	0.0 (0)	35.3 (6)	37.5 (9)
G	43.8 (7)	33.3 (2)	47.8 (11)	50.0 (5)	26.1 (6)	39.7 (31)
H1	52.4 (11)	40.0 (8)	63.3 (19)	50.0 (3)	41.2 (14)	49.5 (55)
H2	47.2 (25)	47.6 (10)	52.1 (25)	47.1 (16)	54.5 (18)	49.7 (94)
I1	77.8 (7)	50.0 (5)	66.7 (14)	66.7 (4)	40.0 (4)	60.7 (34)
I2	55.0 (11)	43.8 (7)	42.1 (8)	52.9 (9)	50.0 (8)	48.9 (43)
J1	12.5 (1)	37.5 (3)	42.9 (6)	42.1 (8)	53.8 (14)	42.7 (32)
J2	62.5 (10)	47.5 (19)	46.7 (35)	46.4 (26)	52.2 (36)	49.2 (126)
K	45.1 (23)	21.6 (16)	48.5 (50)	30.4 (21)	35.8 (29)	36.8 (139)
L	28.6 (12)	23.9 (11)	46.0 (29)	60.7 (37)	47.5 (28)	43.2 (117)
M	54.5 (30)	52.9 (37)	54.7 (35)	50.9 (29)	54.5 (24)	53.4 (155)
ALL	45.2* (203)*	46.4 (210)	51.2 (291)	47.5 (197)	45.5 (249)	47.3 (1150)

* Values influenced by antler point restriction implemented in WMU-A during 2007.

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 on-line at www.huntnh.com. The following tables provide the overall historical top 10 and those for the 2007 season. For a complete listing of this year's registry or 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					2007 TOP 10			
YEAR	NAME	RESIDENCE	WEIGHT	COUNTY	NAME	RESIDENCE	WEIGHT	COUNTY
1985	Arnold Girroir	W. Newbury, MA	289.25	Coos	Rick Pescinski	Sanbornton, NH	255	Belknap
1998	Mike Kenyon	Bradford, VT	284	Grafton	Dennis L. Faulkenham	Stark, NH	243	Coos
1998	Scott Magoon	Topsham, VT	277	Coos	Roy E. Sawyer Sr.	Boscawen, NH	235	Merri.
1984	Dave Alonzo	Berlin, NH	273	Coos	Nicholas St Cyr	Groveton, NH	234.1	Coos
1984	William Robinson	Northfield, NH	273	Coos	Richard Joyal	Newport, VT	232.7	Coos
1985	Bradley Frizzell	Pittsburg, NH	272	Coos	Bradley R. Wheeler	Andover, NH	232	Merri.
1980	Robert Neil	Gorham, NH	267	Coos	James Gauthier	Lyndeborough, NH	229	Hills.
1994	Steven Young	Beecher Falls, VT	267	Coos	Derek Maynard	West Baldwin, ME	229	Carroll
1995	Lawrence Gonyer	Bow, NH	265	Coos	Oscar Messer	Townsend, MA	228	Hills.
1986	Joe Daley Jr.	Brentwood, NH	265	Rock.	James A. Seavey	Sanford, ME	227	Carroll

REGULAR FIREARM OVERALL					2007 TOP 10			
YEAR	NAME	RESIDENCE	WEIGHT	COUNTY	NAME	RESIDENCE	WEIGHT	COUNTY
1985	Arnold Girroir	W. Newbury, MA	289.25	Coos	Roy E. Sawyer Sr.	Boscawen, NH	235	Merri.
1998	Mike Kenyon	Bradford, VT	284	Grafton	Richard Joyal	Newport, VT	232.7	Coos
1984	Dave Alonzo	Berlin, NH	273	Coos	Derek Maynard	West Baldwin, ME	229	Carroll
1985	Bradley Frizzell	Pittsburg, NH	272	Coos	Oscar Messer	Townsend, MA	228	Hills.
1980	Robert Neil	Gorham, NH	267	Coos	James E. Seavey	Sanford, ME	227	Carroll
1995	Lawrence Gonyer	Bow, NH	265	Coos	Jeffrey Tremblay	Washington, VT	225	Coos
1986	Joe Daley Jr.	Brentwood, NH	265	Rock.	Jerome Smith	Ossipee, NH	223	Carroll
1983	Perry Taylor	Moultonboro, NH	262	Coos	Josh M. Thurston	Vershire, VT	222	Coos
1994	Howard Fields Jr.	Saline, MI	261	Coos	Devon Morrill	Gorham, NH	219	Coos
2002	Stephen R. Caldwell	Barre, VT	258	Coos	Eli M. Schaffner	Bristol, NH	219	Grafton

NEW HAMPSHIRE TROPHY DEER PROGRAM, cont.

ARCHERY OVERALL					2007 TOP 10			
YEAR	NAME	RESIDENCE	WEIGHT	COUNTY	NAME	RESIDENCE	WEIGHT	COUNTY
2007	Rick Pescinski	Sanbornton, NH	255	Belknap	Rick Pescinski	Sanbornton, NH	255	Belknap
2002	Jeremiah Donaldson	Albany, NH	252	Carroll	Dennis L. Faulkenham	Stark, NH	243	Coos
2002	Rodger Matthewman	Meredith, NH	251.5	Belknap	Nicholas St Cyr	Groveton, NH	234.1	Coos
2007	Dennis L. Faulkenham	Stark, NH	243	Coos	James Gauthier	Lyndeborough, NH	229	Hills.
2002	Dave Lufkin	Lancaster, NH	242.5	Coos	Lloyd E. Gifford	Rochester, NH	217	Strafford
2004	Ted Pinney	Rochester, NH	240.5	Rock.	Jeremiah Donaldson	Albany, NH	210	Carroll
1995	Gregory Herbert	Laconia, NH	237.5	Belknap	John C. Owens	Newton, NH	206	Rock.
2001	Fred Schobel	Rehoboth, MA	237.5	Rock.	Leo M. Roberge	Berlin, NH	205	Coos
1991	Johnny Smith III	Milford, NH	237	Hills.	Richard Durant	Manchester, NH	205	Hills.
2006	Arthur Cardinal Jr.	Farmington, NH	237	Strafford	Cody Mackay	Bath, NH	204.6	Grafton

MUZZLELOADER OVERALL					2007 TOP 10			
YEAR	NAME	RESIDENCE	WEIGHT	COUNTY	NAME	RESIDENCE	WEIGHT	COUNTY
1998	Scott Magoon	Topsham, VT	277	Coos	Bradley R. Wheeler	Andover, NH	232	Merri.
1984	William Robinson	Northfield, NH	273	Coos	Justin Gruvman	Manchester, NH	225	Rock.
1994	Steven Young	Beecher Falls, VT	267	Coos	Richard Margeson Jr.	North Reading, MA	225	Carroll
2001	Larry Miles	North Conway, NH	260.6	Coos	Mark Wright	Center Ossipee, NH	222	Carroll
1994	Dennis McLaughlin	Barre, VT	257	Coos	Joseph Kiesman	Center Conway, NH	220	Carroll
1992	Colby Morrison	Wentworth, NH	254	Grafton	Terry Contois	Claremont, NH	217	Merri.
2000	Carl Baker	Hyde Park, VT	254	Coos	Buck Lovern	Kingston, NH	214.5	Rock.
2004	Bryan McMann	Stratford, NH	251.5	Coos	John Parkhurst	Pelham, NH	213	Hills.
1995	Jeffrey Caulder	N. Woodstock, NH	250	Grafton	Sandy J. Pouliot	Milan, NH	212	Coos
2001	Michael Colby	Lyman, NH	249	Grafton	Robert Berube	Londonderry, NH	211	Hills.

DEER KILL BY TOWN AND SEX DURING 2007

This is an alphabetical listing of New Hampshire towns with reported deer harvest in 2007. 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 continues to be expressed on the basis of square miles of land area. Towns not listed below had no registered deer harvest in 2007.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL	KILL/SQ.MI.
ACWORTH	(H1)	42	16	58	1.49
ALBANY	(E/F/J1)	8	0	8	0.11
ALEXANDRIA	(G/I1)	20	7	27	0.62
ALLENSTOWN	(L)	22	23	45	2.22
ALSTEAD	(H1/H2)	52	25	77	1.98
ALTON	(J2)	83	33	116	1.83
AMHERST	(K/M)	45	42	87	2.58
ANDOVER	(G/I1)	44	6	50	1.25
ANTRIM	(H2/I2/K)	27	13	40	1.13
ASHLAND	(F/G/J2)	11	6	17	1.51
ATKINSON	(M)	28	18	46	4.12
ATKINSON & GIL. AC. GR.	(A)	4	0	4	0.21
AUBURN	(L/M)	38	50	88	3.47
BARNSTEAD	(J2)	68	30	98	2.30
BARRINGTON	(J2/L)	95	42	137	2.95
BARTLETT	(E)	12	2	14	0.19
BATH	(D2)	166	86	252	6.68
BEDFORD	(K/L/M)	33	17	50	1.53
BELMONT	(J2)	50	23	73	2.43
BENNINGTON	(H2/K)	19	4	23	2.05
BENTON	(D2)	19	2	21	0.43
BERLIN	(C1/C2)	22	5	27	0.44
BETHLEHEM	(D1/D2/E)	40	9	49	0.54
BOSCAWEN	(I1)	27	13	40	1.63
BOW	(I1/K/L)	52	28	80	2.86
BRADFORD	(I2)	32	8	40	1.14
BRENTWOOD	(L/M)	53	38	91	5.42
BRIDGEWATER	(G)	15	3	18	0.84
BRISTOL	(G/I1)	14	5	19	1.13
BROOKFIELD	(J1/J2)	18	1	19	0.83
BROOKLINE	(K/M)	39	28	67	3.38
CAMBRIDGE	(B/C2)	27	3	30	0.59
CAMPTON	(F)	35	7	42	0.81
CANAAN	(G)	74	27	101	1.90
CANDIA	(L/M)	57	34	91	3.01
CANTERBURY	(I1/J2)	63	31	94	2.15
CARROLL	(D1/E)	26	0	26	0.52
CENTER HARBOR	(J1/J2)	23	11	34	2.56
CHARLESTOWN	(H1)	52	25	77	2.17
CHATHAM	(E)	15	3	18	0.32
CHESTER	(M)	53	49	102	3.93
CHESTERFIELD	(H2)	50	16	66	1.45
CHICHESTER	(J2/L)	39	44	83	3.95
CLAREMONT	(H1)	84	34	118	2.75
CLARKSVILLE	(A)	50	22	72	1.19

DEER KILL BY TOWN AND SEX DURING 2007, cont.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL	KILL/SQ.MI.
COLEBROOK	(A/B)	34	17	51	1.26
COLUMBIA	(B)	60	14	74	1.22
CONCORD	(I1/J2/K/L)	73	30	103	1.62
CONWAY	(E/F/J1)	43	16	59	0.85
CORNISH	(H1)	72	39	111	2.65
CROYDON	(H1/I2)	24	10	34	0.93
DALTON	(D1)	22	7	29	1.05
DANBURY	(G/I1)	17	3	20	0.53
DANVILLE	(M)	13	22	35	3.01
DEERFIELD	(L)	71	73	144	2.83
DEERING	(K)	41	14	55	1.82
DERRY	(M)	58	62	120	3.40
DIX'S GRANT	(A)	6	0	6	0.30
DIXVILLE	(A/B)	9	4	13	0.27
DORCHESTER	(G)	10	0	10	0.22
DOVER	(L)	30	21	51	1.91
DUBLIN	(H2)	30	6	36	1.29
DUMMER	(B/C1/C2)	61	22	83	1.73
DUNBARTON	(K)	54	29	83	2.84
DURHAM	(L)	44	25	69	3.09
EAST KINGSTON	(M)	25	24	49	4.96
EASTON	(D2)	12	2	14	0.45
EATON	(J1)	7	1	8	0.33
EFFINGHAM	(J1)	20	10	30	0.77
ELLSWORTH	(F)	1	0	1	0.05
ENFIELD	(G/H1)	73	40	113	2.81
EPPING	(L/M)	40	29	69	2.68
EPSOM	(J2/L)	67	57	124	3.64
ERROL	(A/B/C2)	31	9	40	0.66
EXETER	(L/M)	33	33	66	3.37
FARMINGTON	(J2)	60	58	118	3.25
FITZWILLIAM	(H2)	31	17	48	1.39
FRANCESTOWN	(K)	32	19	51	1.72
FRANCONIA	(D1/D2/E)	7	3	10	0.15
FRANKLIN	(I1)	17	9	26	0.95
FREEDOM	(J1)	35	10	45	1.31
FREMONT	(M)	27	28	55	3.19
GILFORD	(J2)	38	13	51	1.32
GILMANTON	(J2)	88	46	134	2.33
GILSUM	(H2)	26	9	35	2.12
GOFFSTOWN	(K)	64	45	109	2.95
GORHAM	(C1/C2/E)	13	1	14	0.44
GOSHEN	(I2/H1)	23	5	28	1.25
GRAFTON	(G)	23	0	23	0.55
GRANTHAM	(G/H1/I2)	23	13	36	1.33
GREEN'S GRANT	(E)	1	0	1	0.27
GREENFIELD	(K)	29	13	42	1.59
GREENLAND	(M)	17	24	41	3.87
GREENVILLE	(K)	9	3	12	1.75
GROTON	(G)	13	1	14	0.34
HALE'S LOCATION	(E)	1	0	1	0.40
HAMPSTEAD	(M)	20	18	38	2.85
HAMPTON	(M)	13	12	25	1.93

DEER KILL BY TOWN AND SEX DURING 2007, cont.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL	KILL/SQ.MI.
HAMPTON FALLS	(M)	17	13	30	2.49
HANCOCK	(H2/K)	25	8	33	1.11
HANOVER	(G)	61	32	93	1.90
HARRISVILLE	(H2)	17	8	25	1.33
HAVERHILL	(D2)	92	52	144	2.82
HEBRON	(G)	7	2	9	0.54
HENNIKER	(I2/K)	48	23	71	1.70
HILL	(I1)	14	3	17	0.64
HILLSBORO	(H2/I2/K)	47	14	61	1.41
HINSDALE	(H2)	43	29	72	3.52
HOLDERNESS	(F/G/J1/J2)	21	4	25	0.82
HOLLIS	(M)	66	50	116	3.67
HOOKSETT	(K/L)	57	24	81	2.25
HOPKINTON	(I1/I2/K)	51	21	72	1.74
HUDSON	(M)	32	28	60	2.12
JACKSON	(E)	7	0	7	0.10
JAFFREY	(H2/K)	45	34	79	2.06
JEFFERSON	(C1/D1/E)	66	11	77	1.54
KEENE	(H2)	27	35	62	1.68
KENSINGTON	(M)	21	25	46	3.86
KILKENNY	(C1)	2	0	2	0.08
KINGSTON	(M)	36	23	59	3.02
LACONIA	(J2)	29	17	46	2.31
LANCASTER	(C1/D1)	48	27	75	1.50
LANDAFF	(D2)	49	19	68	2.40
LANGDON	(H1/H2)	18	12	30	1.85
LEBANON	(G/H1)	79	43	122	3.04
LEE	(L)	33	23	56	2.83
LEMPSTER	(H1/I2)	27	11	38	1.18
LISBON	(D2)	69	51	120	4.57
LITCHFIELD	(M)	19	18	37	2.50
LITTLETON	(D1/D2)	103	46	149	2.98
LONDONDERRY	(M)	65	75	140	3.34
LOUDON	(J2)	88	54	142	3.08
LYMAN	(D2)	85	60	145	5.10
LYME	(G)	79	37	116	2.15
LYNDEBOROUGH	(K)	37	21	58	1.94
MADBURY	(L)	24	15	39	3.37
MADISON	(F/J1)	37	5	42	1.09
MANCHESTER	(K/L/M)	5	8	13	0.40
MARLBOROUGH	(H2)	28	14	42	2.06
MARLOW	(H1/H2/I2)	39	19	58	2.26
MASON	(K)	37	17	54	2.27
MEREDITH	(I1/J2)	50	31	81	2.02
MERRIMACK	(M)	51	56	107	3.31
MIDDLETON	(J2)	21	6	27	1.49
MILAN	(B/C1/C2)	21	7	28	0.44
MILFORD	(K/M)	30	26	56	2.22
MILLSFIELD	(A/B)	16	3	19	0.42
MILTON	(J2)	43	18	61	1.85
MONROE	(D2)	103	64	167	7.46
MONT VERNON	(K)	18	13	31	1.85

DEER KILL BY TOWN AND SEX DURING 2007, cont.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL	KILL/SQ.MI.
MOULTONBORO	(J1/J2)	74	71	145	2.43
NASHUA	(M)	17	21	38	1.25
NELSON	(H2)	20	14	34	1.55
NEW BOSTON	(K)	66	35	101	2.37
NEW CASTLE	(M)	1	3	4	5.07
NEW DURHAM	(J2)	64	29	93	2.26
NEW HAMPTON	(G/I1/J2)	35	9	44	1.20
NEW IPSWICH	(K)	48	22	70	2.15
NEW LONDON	(G/I1/I2)	15	6	21	0.95
NEWBURY	(I2)	26	9	35	0.98
NEWFIELDS	(L)	8	5	13	1.83
NEWINGTON	(M)	19	28	47	5.77
NEWMARKET	(L)	32	19	51	4.04
NEWPORT	(H1/I2)	46	36	82	1.90
NEWTON	(M)	19	28	47	4.81
NORTH HAMPTON	(M)	31	21	52	3.76
NORTHFIELD	(I1/J2)	36	17	53	1.86
NORTHUMBERLAND	(B/C1/D1)	30	12	42	1.18
NORTHWOOD	(J2/L)	39	28	67	2.39
NOTTINGHAM	(L)	47	33	80	1.71
ODELL	(B)	5	2	7	0.16
ORANGE	(G)	6	2	8	0.35
ORFORD	(D2/G)	59	20	79	1.70
OSSIPEE	(J1)	64	6	70	0.99
PELHAM	(M)	43	23	66	2.54
PEMBROKE	(L)	39	28	67	2.99
PETERBOROUGH	(H2/K)	43	19	62	1.65
PIERMONT	(D2)	45	19	64	1.66
PITTSBURG	(A)	166	97	263	0.93
PITTSFIELD	(J2)	49	28	77	3.24
PLAINFIELD	(H1)	84	57	141	2.70
PLAISTOW	(M)	9	16	25	2.37
PLYMOUTH	(F/G)	24	5	29	1.04
PORTSMOUTH	(M)	22	22	44	2.82
RANDOLPH	(C1/E)	9	2	11	0.23
RAYMOND	(L/M)	35	23	58	2.01
RICHMOND	(H2)	31	12	43	1.15
RINDGE	(H2/K)	53	27	80	2.16
ROCHESTER	(J2/L)	66	27	93	2.10
ROLLINSFORD	(L)	5	5	10	1.37
ROXBURY	(H2)	13	3	16	1.34
RUMNEY	(F/G)	19	3	22	0.53
RYE	(M)	42	41	83	6.64
SALEM	(M)	26	21	47	1.90
SALISBURY	(I1)	32	10	42	1.07
SANBORNTON	(I1/J2)	47	19	66	1.39
SANDOWN	(M)	21	21	42	3.02
SANDWICH	(F/J1)	36	5	41	0.45
SEABROOK	(M)	4	10	14	1.58
SECOND COLL GRANT	(A)	6	1	7	0.17
SHARON	(K)	14	4	18	1.15
SHELBURNE	(C2/E)	15	1	16	0.33

DEER KILL BY TOWN AND SEX DURING 2007, cont.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL	KILL/SQ.MI.
SOMERSWORTH	(L)	10	5	15	1.54
SOUTH HAMPTON	(M)	24	20	44	5.58
SPRINGFIELD	(G/I2)	27	6	33	0.76
STARK	(B/C1)	26	5	31	0.53
STEWARTSTOWN	(A)	31	18	49	1.06
STODDARD	(H2/I2)	23	10	33	0.65
STRAFFORD	(J2)	72	26	98	2.01
STRATFORD	(B)	33	12	45	0.57
STRATHAM	(L/M)	31	27	58	3.84
SUCCESS	(C2)	15	1	16	0.28
SUGAR HILL	(D1/D2)	10	1	11	0.65
SULLIVAN	(H2)	22	9	31	1.68
SUNAPEE	(G/I2)	34	20	54	2.58
SURRY	(H2)	23	14	37	2.40
SUTTON	(I1/I2)	41	15	56	1.33
SWANZEY	(H2)	71	36	107	2.40
TAMWORTH	(F/J1)	30	14	44	0.74
TEMPLE	(K)	22	1	23	1.04
THORNTON	(F)	24	4	28	0.56
TILTON	(I1/J2)	18	10	28	2.51
TROY	(H2)	34	17	51	2.92
TUFTONBORO	(J1/J2)	50	33	83	2.05
UNITY	(H1)	33	18	51	1.38
WAKEFIELD	(J1/J2)	47	19	66	1.67
WALPOLE	(H1/H2)	48	23	71	2.02
WARNER	(I1/I2)	30	7	37	0.67
WARREN	(D2/F)	22	4	26	0.54
WASHINGTON	(I2)	21	5	26	0.57
WEARE	(K)	97	61	158	2.80
WEBSTER	(I1)	27	9	36	1.30
WENTWORTH	(D2/F/G)	26	9	35	0.84
WENTWORTH'S LOCATION	(A/C2)	8	3	11	0.60
WESTMORELAND	(H2)	53	31	84	2.34
WHITEFIELD	(D1)	38	8	46	1.34
WILMOT	(G/I1)	18	3	21	0.72
WILTON	(K)	43	19	62	2.44
WINCHESTER	(H2)	62	35	97	1.78
WINDHAM	(M)	31	27	58	2.18
WINDSOR	(I2)	4	3	7	0.85
WOLFEBORO	(J1/J2)	40	12	52	1.08
WOODSTOCK	(D2/F)	10	0	10	0.17
TOTAL		8824	4735	13559	1.52

DEER KILL BY COUNTY, SEX AND HUNTER RESIDENCY DURING 2007

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

COUNTY	NH RESIDENTS		NON-RESIDENTS		TOTAL		GRAND TOTAL	TOTAL KILL PER SQ. MI.
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
BELKNAP	494	227	35	15	529	242	771	1.92
CARROLL	443	172	101	36	544	208	752	0.81
CHESHIRE	676	373	165	70	841	443	1284	1.79
COOS	678	251	223	63	901	314	1215	0.66
GRAFTON	1157	483	369	192	1526	675	2201	1.27
HILLSBOROUGH	1010	616	92	49	1102	665	1767	1.99
MERRIMACK	1040	520	38	18	1078	538	1616	1.73
ROCKINGHAM	1023	935	103	108	1126	1043	2169	3.14
STRAFFORD	513	284	54	16	567	300	867	2.30
SULLIVAN	529	250	81	57	610	307	917	1.71
TOTAL	7563	4111	1261	624	8824	4735	13559	1.50



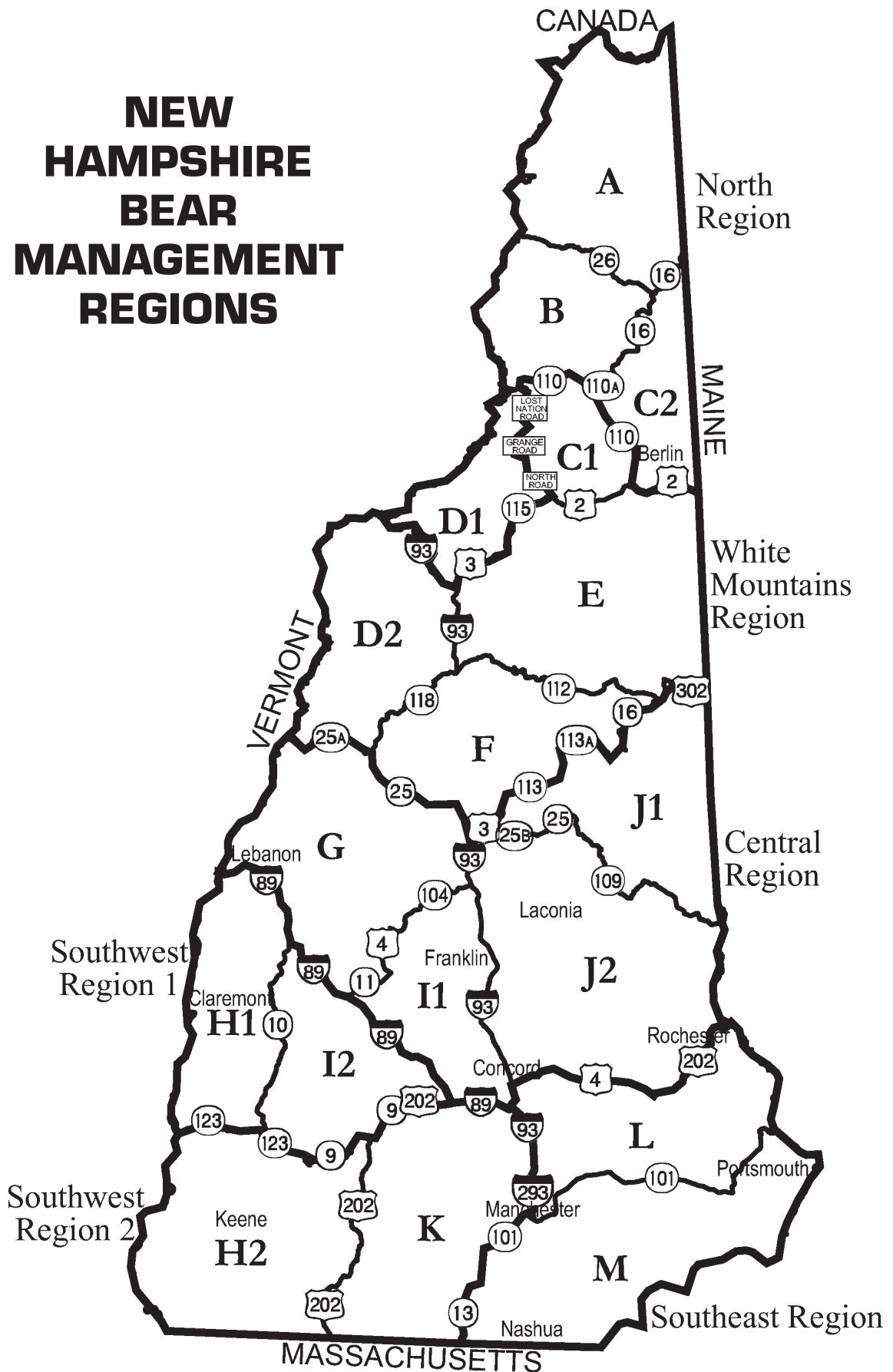
2007 BLACK BEAR HARVEST SUMMARY

Bear hunting seasons during the past two years have been structured to meet the regional bear population management goals stated in the 2006-2015 Big Game Population Management Plan. Management decisions during the plan period will strive to achieve bear populations across the state's 6 bear management regions at levels consistent with management objectives. If population objectives of the current plan are achieved, the statewide bear population will approach 5,000 bears or 0.5 bear/mi². New Hampshire's long-term bear management goals are to stabilize the population in the north, reduce the population across the White Mountains region and allow for measured population growth in the central and southern portions of the state.

Hunters took 614 black bears in New Hampshire during 2007, representing the third highest harvest on record. Overall mast production last fall was below average, causing bears to be more susceptible to hunters thereby increasing the annual bear harvest. Soft mast species produced in greater abundance compared to hard mast and represented the most available food sources for bears last fall. Blueberry, raspberry and blackberry produced fair crops, while black cherry and apples produced very good and excellent crops, respectively. Mountain ash berries, an important food in northern regions, were nearly nonexistent. Acorn production was spotty but generally poor in most areas. Nut production by white oak was more notable than red oak, however white oak is not widely distributed in the state. Beechnuts, a highly important fall staple for bears in New Hampshire, experienced a crop failure. Most soft mast crops, with the exception of apples, were depleted by mid-fall. In years when foods such as apples are abundant and hard mast is absent, bears become vulnerable to harvest as they frequent areas with abundant, localized food (e.g., wild apple orchards). Concentrated activity of bears at these sites allows hunters to better predict where and when bears are actively feeding and leads to higher hunter success. The same phenomenon is often seen around cornfields during poor food years. Additionally, the growing popularity of hunting bears with bait appears to be influencing harvest tallies. This trend becomes more obvious during years of decreased food abundance as bears become more attracted to bait sites. Due to the relatively high success rate of hunting with bait, a modest increase in hunter effort can significantly increase harvest.

Work continued on a "mark-recapture" study designed to estimate bear abundance in the state's northernmost bear management region using remote genetic tagging. A primary objective of this study is to use the DNA-based population estimates to compare against and validate estimates derived using New Hampshire bear biological and hunter observation data. All fieldwork has been completed and final research results should be available in May 2008. Research initiatives and our bear management program continued to generate information required to ensure that our bear population is wisely managed for present and future New Hampshire generations.

NEW HAMPSHIRE BEAR MANAGEMENT REGIONS



REGIONAL BEAR POPULATION MANAGEMENT GOALS

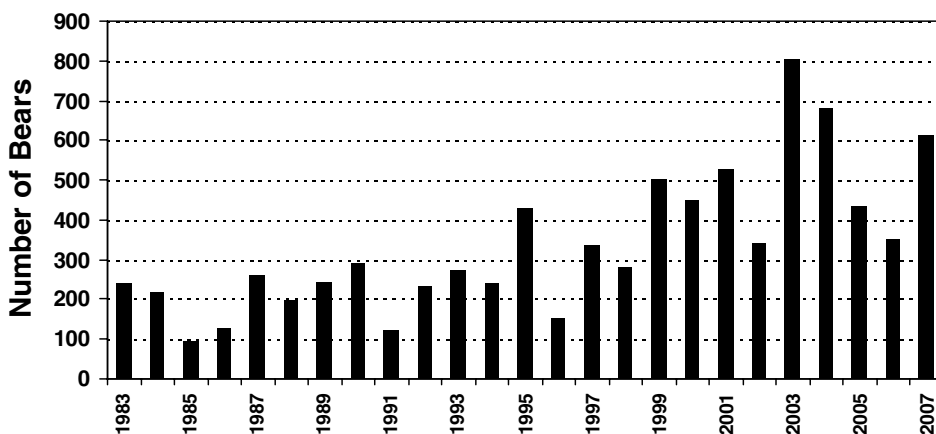
Black bear management decisions for the next decade (2006-2015) will be based on our current Big Game Population Management Plan goals, derived through a detailed public input process. These goals are summarized in the following table. Regional black bear population goals, current estimates and desired changes are expressed in terms of bears per square mile.

REGION	2006-2015 MANAGEMENT GOAL	CURRENT POPULATION ESTIMATE*	DESIRED CHANGE
NORTH	0.6	0.61	-0.01
WHITE MOUNTAINS	0.8	1.12	-0.32
CENTRAL	0.6	0.34	+0.26
SOUTHWEST 1	0.5	0.45	+0.05
SOUTHWEST 2	0.5	0.25	+0.25
SOUTHEAST	0.2	0.06	+0.14

*2007 data were not available for inclusion in this estimate when this report was written.

TOTAL BEAR HARVEST FOR 1983-2007 HUNTING SEASONS

Total bear harvest is the combined harvest of bait, hound and still hunters. As illustrated in the graph below, bear harvest has increased notably during the past 2 decades. Periodic drops in harvest generally represent abundant mast years and a related decline in bear vulnerability to hunting. Conversely, peaks in harvest generally occur during poor mast years and reflect increased vulnerability to hunters 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 three highest harvests occurring in the past 5 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 in the past decade, 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 (1990-2007)

A total of 614 bears were taken during the 2007 bear season. This was 18% above the preceding 5-year average (521 bears) and represented a 75% increase over the 2006 level. Percent harvest by method in recent years averaged 52% by still hunters, 36% by bait hunters and 12% by hound hunters. Percent harvest by method during 2007 was 45% by both still and bait hunters and 10% by hound hunters. While method-specific harvest percentages are influenced by annual food conditions, variation by method from recent averages appears to be largely influenced by the growing participation in bait hunting for bears. This increase in bait hunter effort is reflected by bait permit issuance as the number of permits issued to hunt bears using bait continues to steadily increase (up 111% during the past decade). Growing interest in hunting over bait, coupled with the relatively high success rate of bait hunters compared to other methods, has increased the annual percentage of the harvest taken by bait hunters.

During poor food years, bears tend to enter dens earlier in the fall, resulting in a lower percentage of bears being harvested during the gun seasons for deer. During strong food years, bears den later and therefore are more vulnerable to opportunistic harvest by deer hunters. Statewide, 13% of the still hunter harvest occurred during the gun portion of the deer season in 2007 (a poor food year), including 11% and 2% taken during the muzzleloader and regular firearms deer seasons, respectively. This percentage is nearly half of that achieved in 2006, an above average food year, when 24% of the still hunter harvest occurred during that same portion of the deer season.

YEAR	HUNTING METHOD			TOTAL
	STILL	BAIT	HOUND	
1990	105	114	72	291
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	50	351
2007	277	278	59	614

REGIONAL DISTRIBUTION OF BEAR HARVEST (1990-2007)

The White Mountains region accounted for the largest regional harvest tally at 200 (32%) bears. The Central and North regions followed with 180 (29%) and 164 (27%) 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. The fact that the greatest percentage of the statewide harvest consistently comes from the White Mountains region coincides well with the goal to reduce the bear population in that region. Despite flux between the North and Central regions, approximately 20-30% of the statewide harvest typically comes from each of these areas. The regional harvest percentages for Southwest-1 and 2 (7% and 4%, respectively) were similar to recent averages (10% and 3%, respectively). Harvest in the Southeast (1%) remained low.

YEAR	MANAGEMENT REGION						TOTAL
	NORTH	WT-MTS	CENTRAL	S-WEST(1)	S-WEST(2)	S-EAST	
1990	108	125	58	0	0	0	291
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	64	108	99	49	23	8	351
2007	164	200	180	42	23	5	614

BEAR HARVEST SEX RATIOS (1990-2007)

Since 1990, the bear harvest sex ratio 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 equal 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 harvest sex ratio in 2007 of 1.3 males per female was consistent with the long-term average indicating that males typically are more susceptible to harvest than females. Although 2007 did represent a below average food year, food distribution and abundance was not low to the point where the harvest sex ratio was skewed to females.

YEAR	FEMALE	MALE	UNKNOWN	MALES:FEMALE	TOTAL
1990	112	179	0	1.6	291
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	138	213	0	1.5	351
2007	262	352	0	1.3	614

BEAR HARVEST BY REGION, WMU AND METHOD DURING 2007

This table summarizes the 2007 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. For example, bait hunters accounted for 65% of the harvest in the North but only 31% and 14% in the Central and Southwest-1 regions, respectively. The diversity of methods and habitats adds to the uniqueness of New Hampshire bear hunting.

REGION	UNIT	METHOD OF HARVEST			TOTAL
		STILL	BAIT	HOUND	
NORTH	A	4	39	0	43
	B	4	35	8	47
	C2	3	10	8	21
	D1	31	22	0	53
NORTH	ALL	42	106	16	164
WHITE MTNS	C1	10	17	0	27
	D2	37	24	2	63
	E	18	34	1	53
	F	22	27	8	57
WHITE MTNS	ALL	87	102	11	200
CENTRAL	G	36	35	7	78
	I1	31	2	3	36
	J1	15	14	15	44
	J2	16	5	1	22
CENTRAL	ALL	98	56	26	180
SOUTHWEST 1	H1	13	3	3	19
	I2	17	3	3	23
SOUTHWEST 1	ALL	30	6	6	42
SOUTHWEST 2	H2	12	5	-	17
	K	4	2	-	6
SOUTHWEST 2	ALL	16	7	-	23
SOUTHEAST	L	3	1	0	4
	M	1	0	0	1
SOUTHEAST	ALL	4	1	0	5
STATEWIDE	ALL	277	278	59	614

BEAR HARVEST BY METHOD AND SEX DURING 2007

Harvest sex ratios play a role in management decision-making due to the impact that female harvest has on bear populations. Harvest sex ratios in New Hampshire vary slightly by year but often vary substantially between hunting methods. Historically, all three hunting methods tend to harvest more males than females. This is seemingly due to higher movements by males that predispose them to increased harvest (and other mortality). Bait and hound hunters typically harvest an even higher percentage of males because these hunters often select for larger bears that tend to be males. During 2007, still and bait hunters harvested more males than females, however, hound hunters took more females than males.

METHOD	FEMALE	MALE	MALES:FEMALE	TOTAL
STILL	113	164	1.5	277
BAIT	116	162	1.4	278
HOUND	33	26	0.8	59
TOTAL	262	352	1.3	614

BEAR HARVEST BY REGION AND SEX DURING 2007

Harvest sex ratios were consistent with or higher than average (1.3 males:female statewide average since 1990) in 5 of the 6 bear management regions during 2007, reflecting a higher male component of the harvest. The harvest sex ratio in the White Mountains region was below but similar to the long-term statewide average. The lower harvest sex ratio, reflecting increased female harvest in the White Mountains is consistent with the management goal to reduce the bear population in that region. Due to the reproductive behaviors of black bears, population growth of this species is directly associated with the survival of adult females and the proportion of breeding females producing litters. We typically strive for harvest sex ratios that approximate 1.4 males per female as that ratio has maintained the female segment of regional populations at levels consistent with population management goals and objectives. However, when management goals dictate a population reduction, lower harvest sex ratios may be desired.

REGION	FEMALE	MALE	MALES:FEMALE	TOTAL
NORTH	71	93	1.3	164
WHITE MTN.	91	109	1.2	200
CENTRAL	77	103	1.3	180
S-WEST 1	14	28	2.0	42
S-WEST 2	7	16	2.3	23
SOUTHEAST	2	3	1.5	5
TOTAL	262	352	1.3	614

AVERAGE AGE IN YEARS OF HARVESTED BEARS (1994-2006)

Age data derived from premolars collected during bear registration are the backbone of the bear management program. We use age data to calculate male and female mortality rates. Knowing these rates allows us to back-calculate a statewide minimum population estimate from annual mortality data. Regional sighting rates derived from hunter surveys, coupled with a knowledge of the amount of bear range in each management region, allows us to partition our “minimum” population across our 6 management regions. The New Hampshire bear management recipe is quite complex and places heavy reliance on bear age data.

SEX	YEAR												
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
FEMALES	6.1	7.1	5.2	5.9	5.4	5.5	5.4	5.4	6.0	5.9	5.8	5.6	5.9
MALES	5.4	4.4	5.9	4.4	4.8	3.8	4.9	3.7	4.4	3.3	4.0	4.1	4.4

Data for 2007 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 2007. 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 due to hunter interest.

TEN HEAVIEST BEARS * HARVESTED IN NEW HAMPSHIRE

RANK	YEAR	WMU	WEIGHT	METHOD
1	2007	F	552	HOUND
2	2005	D1	532	STILL
3	2002	D1	494	HOUND
4	2001	J1	494	HOUND
5	1997	E	494	HOUND
6	1993	E	493	HOUND
7	2001	D1	486	HOUND
8	1993	C2	483	STILL
9	2004	D2	482	HOUND
10a	1988	E	475	STILL
10b	1986	B	475	STILL

*All the bears in this table are male.

BEAR HARVEST BY TOWN, WMU AND SEX DURING 2007

The following table summarizes the 2007 bear harvest by town. Towns where no bears were killed are excluded from this table.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL
ACWORTH	(H1)	2	0	2
ALBANY	(E/F/J1)	4	2	6
ALEXANDRIA	(G/I1)	2	1	3
ALLENSTOWN	(L)	1	0	1
ALSTEAD	(H1/H2)	1	0	1
ALTON	(J2)	1	0	1
AMHERST	(K/M)	1	0	1
ANDOVER	(G/I1)	1	5	6
ASHLAND	(F/G/J2)	2	1	3
BARRINGTON	(J2/L)	1	0	1
BARTLETT	(E)	7	3	10
BATH	(D2)	6	2	8
BENTON	(D2)	0	3	3
BERLIN	(C1/C2)	2	4	6
BETHLEHEM	(D1/D2/E)	12	3	15
BOSCAWEN	(I1)	1	3	4
BRADFORD	(I2)	1	0	1
BRIDGEWATER	(G)	1	3	4
BRISTOL	(G/I1)	6	0	6
BROOKFIELD	(J1/J2)	2	0	2
BROOKLINE	(K/M)	0	1	1
CAMPTON	(F)	7	5	12
CANAAN	(G)	8	4	12
CARROLL	(D1/E)	0	4	4
CENTER HARBOR	(J1/J2)	0	1	1
CHARLESTOWN	(H1)	2	1	3
CHATHAM	(E)	0	4	4
CLAREMONT	(H1)	1	0	1
CLARKSVILLE	(A)	8	2	10
COLEBROOK	(A/B)	5	8	13
COLUMBIA	(B)	11	7	18
CONCORD	(I1/J2/K/L)	1	0	1
CONWAY	(E/F/J1)	4	1	5
CROYDON	(H1/I2)	3	3	6
DALTON	(D1)	2	1	3
DANBURY	(G/I1)	1	6	7
DORCHESTER	(G)	1	0	1
DUBLIN	(H2)	1	1	2
DUMMER	(B/C1/C2)	7	2	9
DUNBARTON	(K)	1	0	1
EATON	(J1)	2	0	2
EFFINGHAM	(J1)	0	1	1
ELLSWORTH	(F)	1	2	3
ENFIELD	(G/H1)	2	1	3

BEAR HARVEST BY TOWN, WMU AND SEX DURING 2007, cont.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL
ERROL	(A/B/C2)	1	1	2
FRANCONIA	(D1/D2/E)	0	1	1
FRANKLIN	(I1)	1	2	3
FREEDOM	(J1)	2	5	7
GILMANTON	(J2)	2	0	2
GILSUM	(H2)	1	0	1
GORHAM	(C1/C2/E)	1	3	4
GOSHEN	(I2/H1)	4	1	5
GRAFTON	(G)	3	1	4
GROTON	(G)	4	0	4
HALE'S LOCATION	(E)	1	0	1
HANOVER	(G)	1	0	1
HARRISVILLE	(H2)	2	0	2
HAVERHILL	(D2)	8	3	11
HEBRON	(G)	1	1	2
HILL	(I1)	2	0	2
HILLSBORO	(H2/I2/K)	2	0	2
HOLDERNESS	(F/G/J1/J2)	2	0	2
HOOKSETT	(K/L)	0	1	1
HOPKINTON	(I1/I2/K)	2	0	2
JACKSON	(E)	2	6	8
JEFFERSON	(C1/D1/E)	21	6	27
KEENE	(H2)	0	2	2
LACONIA	(J2)	2	1	3
LANCASTER	(C1/D1)	8	15	23
LANDAFF	(D2)	4	2	6
LANGDON	(H1/H2)	1	0	1
LEBANON	(G/H1)	1	1	2
LEMPSTER	(H1/I2)	1	0	1
LINCOLN	(D2/E/F)	1	2	3
LISBON	(D2)	4	6	10
LITTLETON	(D1/D2)	6	1	7
LIVERMORE	(E/F)	0	2	2
LOUDON	(J2)	1	0	1
LYMAN	(D2)	2	0	2
LYME	(G)	9	3	12
MADISON	(F/J1)	2	0	2
MANCHESTER	(K/L/M)	1	0	1
MARLBOROUGH	(H2)	1	1	2
MARLOW	(H1/H2/I2)	0	1	1
MASON	(K)	1	0	1
MEREDITH	(I1/J2)	2	1	3
MILAN	(B/C1/C2)	5	5	10
MILTON	(J2)	1	1	2
MONROE	(D2)	1	0	1
MOULTONBORO	(J1/J2)	3	6	9
NEW DURHAM	(J2)	2	0	2
NEW HAMPTON	(G/I1/J2)	1	1	2

BEAR HARVEST BY TOWN, WMU AND SEX DURING 2007, cont.

TOWN	WMUs IN TOWN	MALE	FEMALE	TOTAL
NEW LONDON	(G/I1/I2)	0	1	1
NEWBURY	(I2)	0	1	1
NEWPORT	(H1/I2)	0	2	2
NORTHUMBERLAND	(B/C1/D1)	7	3	10
ORANGE	(G)	1	1	2
ORFORD	(D2/G)	3	2	5
OSSIPEE	(J1)	3	2	5
PEMBROKE	(L)	0	1	1
PIERMONT	(D2)	4	1	5
PITTSBURG	(A)	2	7	9
PLAINFIELD	(H1)	3	0	3
PLYMOUTH	(F/G)	3	5	8
RANDOLPH	(C1/E)	1	2	3
RUMNEY	(F/G)	5	4	9
SALISBURY	(I1)	4	3	7
SANBORNTON	(I1/J2)	3	1	4
SANDWICH	(F/J1)	4	9	13
SHELBURNE	(C2/E)	1	4	5
SPRINGFIELD	(G/I2)	1	1	2
STARK	(B/C1)	3	2	5
STEWARTSTOWN	(A)	9	9	18
STODDARD	(H2/I2)	2	1	3
STRATFORD	(B)	7	2	9
SUCCESS	(C2)	0	1	1
SUGAR HILL	(D1/D2)	1	0	1
SULLIVAN	(H2)	1	0	1
SUNAPEE	(G/I2)	1	0	1
SURRY	(H2)	1	1	2
SUTTON	(I1/I2)	3	3	6
TAMWORTH	(F/J1)	3	4	7
THORNTON	(F)	0	1	1
TUFTONBORO	(J1/J2)	0	7	7
UNITY	(H1)	1	0	1
WAKEFIELD	(J1/J2)	1	0	1
WALPOLE	(H1/H2)	3	0	3
WARNER	(I1/I2)	1	0	1
WARREN	(D2/F)	2	3	5
WASHINGTON	(I2)	2	2	4
WATERVILLE VALLEY	(E/F)	0	2	2
WEARE	(K)	1	0	1
WEBSTER	(I1)	4	1	5
WENTWORTH	(D2/F/G)	2	2	4
WHITEFIELD	(D1)	9	1	10
WOLFEBORO	(J1/J2)	4	0	4
WOODSTOCK	(D2/F)	1	3	4
TOTAL		352	262	614

2007 MOOSE HARVEST SUMMARY



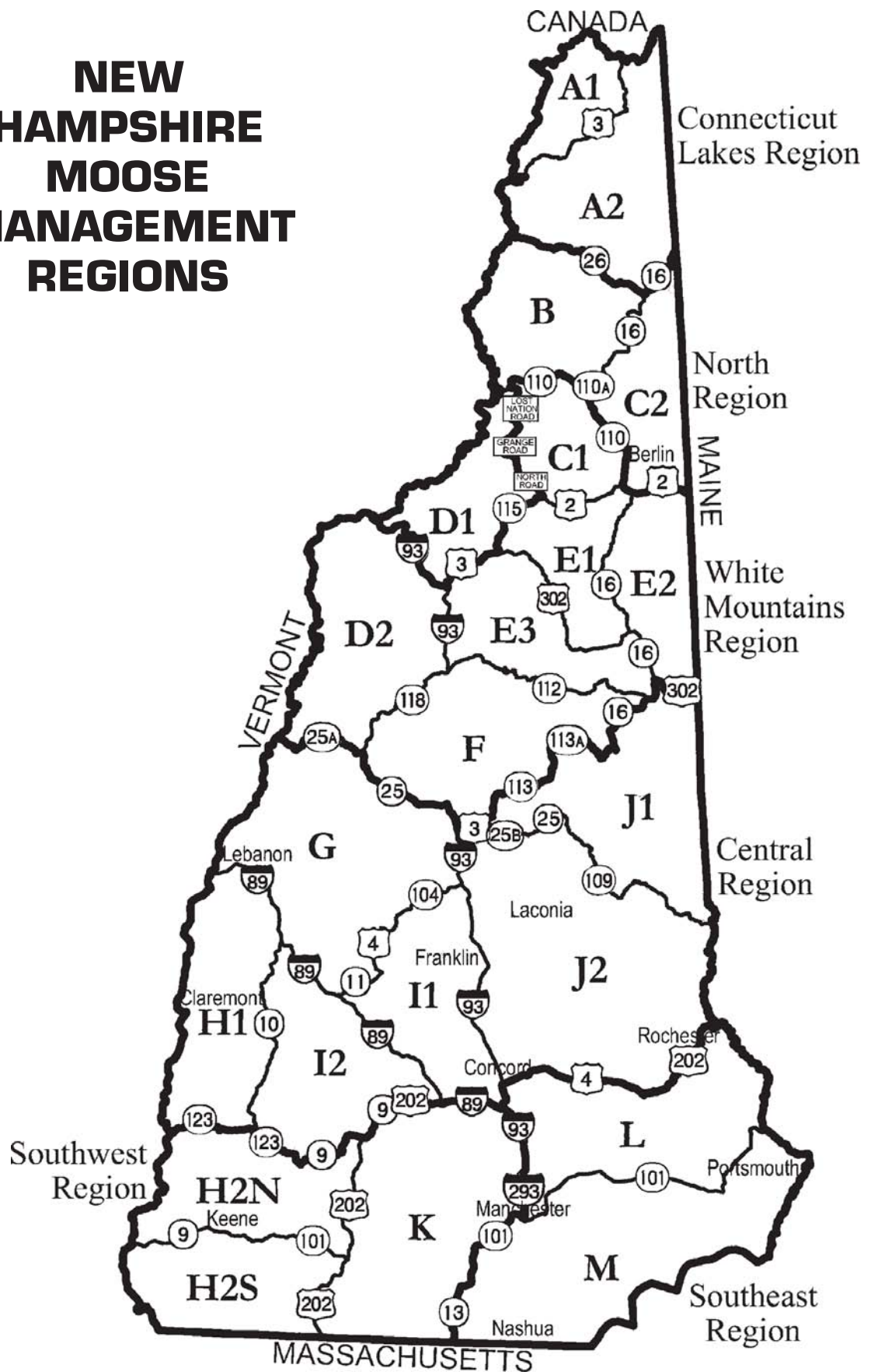
The 2007 New Hampshire moose season took place from Oct. 20 through Oct. 28. Weather throughout the season was unusually hot, with temperatures up into the eighties during the first three days. This was a very different weather pattern than we had in 2006, when gale force winds, rain, sleet, snow and flooding impacted the hunt. In both years, extraordinary weather conditions discouraged moose activity and movement and forced hunters to work extra hard in order to find them. A notable difference between the two years was that in 2007 moose were still rutting. Many hunters capitalized on this fact by successfully calling in bulls. This resulted in a slightly higher success rate in 2007 (71%) compared to 2006 (67%). Six hundred and seventy-eight permits were issued in 2007, similar to the 673 permits issued in 2006.

Four hundred and eighty-two moose were taken during the nine-day season. The take consisted of 310 (64%) adult bulls, 148 (31%) adult cows and 24 (5%) calves. The success rate for all permits was 71%; 71% for either-sex permits and 72% for antlerless-only permits. Regional success rates were higher than the previous year (CT. Lakes Region – 88%, North Region – 81%, White Mtns. Region – 62%, Southwest Region – 44%, Southeast Region – 30%) with the exception of the Central Region – 61%, which was down slightly from 62% in 2006. The 2007 regional adult harvest sex ratios (males per female) for either-sex permits were similar to those of 2006; Ct. Lakes - 2.3:1; North - 3.4:1, W Mtns - 3.9:1, Central - 4.2:1, S. West - 4.5:1, S. East - 1:1.

Hunters traveled from 23 states to participate in the 2007 season. Non-residents took 98 (20%) moose while residents took the remaining 384 (80%) moose. Moose were taken by rifle (463), muzzleloader (8), shotgun (3), handgun (3), bow (4) and unknown (1). The preferred caliber of rifle users was 30.06. Permittees accounted for seventy-four percent (356) of the moose harvest while subpermittees accounted for twenty-six percent (126). Women took 28 moose and sixty-one percent of the 2007 moose harvest was taken in the first three days of the season.

The oldest moose hunter in 2007 was Maurice Southmayd. This 81 year old gentlemen from New York took a 750 lb bull with a 58 inch spread. The youngest hunter was 13 year old Spencer Valley from Maine, who took a 665 lb bull with a 53 inch spread. The largest bull (900 lbs dressed weight) was taken in wildlife management unit A1 by David Giguere of Epsom. Dennis Manning of Barnstead took the bull with the largest spread (65 inches) in unit A2 and this was the first deer or moose he'd ever taken! Jeffrey Forrence of Hudson took the largest cow (750 lbs dressed weight) in unit C2.

NEW HAMPSHIRE MOOSE MANAGEMENT REGIONS



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

REGION	RECOMMENDED GOAL	CURRENT LEVEL*	DESIRED CHANGE
CT. LAKES	7.40	8.68	-15%
NORTH	6.00	5.35	+12%
WHITE MOUNTAINS	3.00	2.98	+1%
CENTRAL	1.50	1.49	+1%
SOUTHWEST	1.30	0.99	+31%
SOUTHEAST	0.50	0.44	+14%

* - 3-year running averages of moose seen per 100 hunter hours.

SUMMARY OF N.H. MOOSE LOTTERY AND HARVEST

YEAR	TOTAL APPLICATIONS	TOTAL PERMITS DRAWN (ISSUED*)	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%

* - Permits issued may differ from permits drawn in the lottery due to the failure of permittees to meet eligibility requirements or as a result of deferment under Fis 301.09(y) or (z).

AGE AND SEX OF THE 2007 MOOSE HARVEST BY MANAGEMENT REGION AND WMU

REGION	WMU	BULLS	BULLS	COWS	COWS	CALVES	TOTAL	%	%
		AGE	AGE	AGE	AGE			COWS & CALVES	BULLS AGE
		2.5+	1.5	2.5+	1.5				
CT. LAKES	A1	20	2	13	5	2	42	48%	48%
	A2	39	6	36	10	7	98	54%	40%
	ALL	59	8	49	15	9	140	52%	42%
NORTH	B	36	7	15	4	3	65	34%	55%
	C2	25	3	12	3	3	46	39%	54%
	D1	14	1	8	2	1	26	42%	54%
	ALL	75	11	35	9	7	137	37%	55%
W. MTNS.	C1	17	2	2	1	0	22	14%	77%
	D2	10	1	2	1	0	14	21%	71%
	E1	10	2	3	0	1	16	25%	63%
	E2	0	1	2	0	1	4	75%	0%
	E3	8	2	3	1	0	14	29%	57%
	F	10	8	3	0	0	21	14%	48%
	ALL	55	16	15	3	2	91	22%	60%
CENTRAL	G	27	3	6	3	2	41	27%	66%
	H1	7	0	1	0	0	8	13%	88%
	I1	4	1	0	0	0	5	0%	80%
	I2	13	3	4	3	1	24	33%	54%
	J1	8	0	0	0	1	9	11%	89%
	J2	6	3	0	1	0	10	10%	60%
ALL	65	10	11	7	4	97	23%	67%	
S. WEST	H2N	2	0	0	0	0	2	0%	100%
	H2S	3	0	0	0	0	3	0%	100%
	K	4	0	2	0	0	6	33%	67%
	ALL	9	0	2	0	0	11	18%	82%
S. EAST	L	1	1	2	0	2	6	67%	17%
	M	0	0	0	0	0	0	0%	0%
	ALL	1	1	2	0	2	6	67%	17%
TOTAL	ALL	264	46	114	34	24	482	36%	55%

NOTE: Animals of unknown age or sex are not included in the above table.

METHODS OF HARVEST USED BY SUCCESSFUL HUNTERS DURING THE 2007 MOOSE HUNT

METHOD	# OF HUNTERS	% OF HUNTERS
ARCHERY	4	0.83%
HANDGUN	3	0.62%
MUZZLELOADER	8	1.66%
RIFLE	463	94.06%
SHOTGUN	3	0.62%
UNKNOWN	1	0.21%
TOTALS	482	100.00%

PERMITS ISSUED, HARVEST SUCCESS RATE AND HARVEST PER SQUARE MILE OF LAND AREA FOR THE 2007 MOOSE HUNT BY MANAGEMENT REGION AND WMU

REGION	WMU	EITHER-SEX PERMITS ISSUED	ANTLERLESS PERMITS ISSUED	TOTAL PERMITS ISSUED	TOTAL HARVEST	HUNTER SUCCESS RATE	HARVEST PER SQUARE MILE
CT. LAKES	A1	31	15	46	42	91%	0.28
	A2	78	35	113	98	87%	0.24
	ALL	109	50	159	140	88%	0.25
NORTH	B	65	15	80	65	81%	0.20
	C2	40	11	51	46	90%	0.19
	D1	29	10	39	26	67%	0.12
	ALL	134	36	170	137	81%	0.17
W. MTNS.	C1	25	0	25	22	88%	0.11
	D2	30	0	30	14	47%	0.03
	E1	25	0	25	16	64%	0.09
	E2	5	0	5	4	80%	0.02
	E3	30	0	30	14	47%	0.05
	F	31	0	31	21	68%	0.05
	ALL	146	0	146	91	62%	0.05
CENTRAL	G	50	0	50	41	82%	0.07
	H1	15	0	15	8	53%	0.02
	I1	15	0	15	5	33%	0.02
	I2	40	0	40	24	60%	0.07
	J1	14	0	14	9	64%	0.02
	J2	24	0	24	10	42%	0.01
ALL	158	0	158	97	61%	0.03	
S. WEST	H2N	5	0	5	2	40%	0.01
	H2S	5	0	5	3	60%	0.01
	K	15	0	15	6	40%	0.01
	ALL	25	0	25	11	44%	0.01
S. EAST	L	11	0	11	6	55%	0.01
	M	9	0	9	0	0%	0.00
	ALL	20	0	20	6	30%	0.01
TOTAL	ALL	592	86	678	482	71%	0.06

SUMMARY OF MOOSE PHYSICAL CHARACTERISTICS FROM THE 2007 MOOSE HARVEST BY MANAGEMENT REGION AND AGE

REGION	AGE IN YEARS	BULLS						COWS	
		MEAN ABD*	MAXIMUM ABD	MEAN SPREAD	MAXIMUM SPREAD	MEAN WEIGHT	MAXIMUM WEIGHT	MEAN WEIGHT	MAXIMUM WEIGHT
CT. LAKES	0.5	.	.	.	.	246	290	253	300
	1.5	29	37	19.5	21.25	406	430	426	530
	2.5-4.5	47	65	38.1	54.5	663	840	550	660
	5.5+	57.7	69	52.8	65	736	900	585	710
NORTH	0.5	.	.	.	.	255	310	270	300
	1.5	31.1	39	21.9	25.75	438	505	436	500
	2.5-4.5	44.9	56	37	50.5	636	825	555	750
	5.5+	57.7	71	53.4	62.75	753	880	583	665
W. MTN.	0.5	.	.	.	.	240	270	.	.
	1.5	32	41	24.4	36	424	530	383	440
	2.5-4.5	45	60	34.9	53	581	800	574	690
	5.5+	57.8	65	51.3	59	735	880	540	600
CENTRAL	0.5	.	.	.	.	280	280	270	300
	1.5	31.5	41	20.1	24	397	470	385	460
	2.5-4.5	44	57	35.4	56.5	612	800	497	530
	5.5+	56.1	67	47.2	58.75	725	810	503	530
S. WEST	0.5	.	.	.	.	.	.	.	.
	1.5	.	.	.	.	.	.	.	.
	2.5-4.5	44.3	58	33.3	41	550	740	460	460
	5.5+	50.3	55	42.8	48.5	690	730	525	525
S. EAST	0.5	.	.	.	.	.	.	360	360
	1.5	34	34	25	25	460	460	.	.
	2.5-4.5	41	41	38.5	38.5	560	560	500	500
	5.5+	.	.	.	.	.	.	.	.

NOTE: Animals of unknown age or sex not included in above table. *ABD equals Antler Beam Diameter

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

REGION	UNIT	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	MEAN
CT. LAKES	A1	77%	74%	69%	94%	93%	100%	87%	93%	73%	91%	85%
	A2	93%	92%	84%	83%	95%	93%	94%	89%	82%	87%	89%
	ALL	89%	87%	80%	86%	95%	95%	93%	89%	80%	88%	88%
NORTH	B	93%	82%	87%	91%	92%	92%	96%	92%	75%	81%	88%
	C2	95%	88%	85%	95%	94%	94%	85%	95%	90%	90%	91%
	D1	80%	93%	80%	73%	93%	73%	86%	84%	68%	67%	80%
	ALL	92%	86%	85%	90%	93%	90%	90%	92%	78%	81%	88%
W. MTN.	C1	86%	67%	83%	83%	75%	75%	92%	92%	92%	88%	83%
	D2	73%	77%	52%	63%	76%	84%	64%	76%	57%	47%	67%
	E1	51%	63%	50%	70%	70%	70%	67%	67%	48%	64%	62%
	E2	75%	50%	50%	60%	80%	100%	100%	100%	20%	80%	72%
	E3	37%	33%	45%	55%	47%	40%	63%	48%	43%	47%	46%
	F	60%	72%	63%	63%	76%	70%	65%	80%	48%	68%	67%
	ALL	63%	61%	61%	67%	71%	71%	72%	75%	56%	62%	66%
CENTRAL	G	83%	83%	77%	80%	88%	78%	63%	75%	65%	82%	77%
	H1	40%	70%	47%	60%	80%	90%	80%	70%	67%	53%	66%
	I1	55%	70%	67%	67%	30%	60%	35%	65%	53%	33%	54%
	I2	55%	70%	45%	60%	70%	90%	67%	79%	63%	60%	66%
	J1	60%	47%	40%	73%	60%	60%	60%	73%	67%	64%	60%
	J2	45%	70%	59%	51%	46%	63%	60%	58%	54%	42%	55%
	ALL	62%	71%	59%	65%	63%	72%	60%	71%	62%	61%	65%
S. WEST	H2N	60%	55%	40%	70%	70%	80%	70%	70%	40%	40%	60%
	H2S	60%	55%	40%	80%	22%	60%	20%	40%	40%	60%	48%
	K	67%	73%	55%	85%	67%	67%	40%	47%	40%	40%	58%
	ALL	63%	63%	49%	80%	56%	69%	47%	53%	40%	44%	56%
S. EAST	L	40%	50%	31%	40%	40%	27%	50%	10%	44%	55%	39%
	M	30%	25%	35%	23%	32%	15%	40%	44%	10%	0%	25%
	ALL	35%	38%	33%	32%	35%	20%	45%	26%	26%	30%	32%
STATEWIDE	ALL	72%	71%	65%	72%	73%	75%	74%	78%	67%	71%	72%

2007 WILD TURKEY HARVEST SUMMARY



Spring Season: A total of 3,651 turkeys (3,632 gobblers and 19 bearded hens) were registered from 226 towns during the Youth Hunt and the May 3 – 31 Spring Season. This was a slight increase of 92 turkeys or 2.6% over the 2006 harvest of 3,559. The gobbler harvest was composed of 1,185 jakes (32.6%) and 2,447 toms (67.4%), for a juvenile/adult male harvest ratio of 0.48 to 1.00. Twice as many toms were taken as jakes due to below average recruitment of young during summer 2006. The age breakdown of gobblers was: 1 year olds (32.6%), 2 year olds (40.9%), 3 year olds (19.7%), 4 year olds (5.7%), and 5+ year olds (1.1%).

The Youth Hunt Weekend of April 28-29 recorded 454 turkeys or 12.4% of total season harvest. This is the same percentage that was taken during 2006. Opening day (Thursday, May 3) of the regular season had 627 turkeys registered or 17.2% of the season total. The first weekend registered 631 turkeys or 17.3% of the spring total.

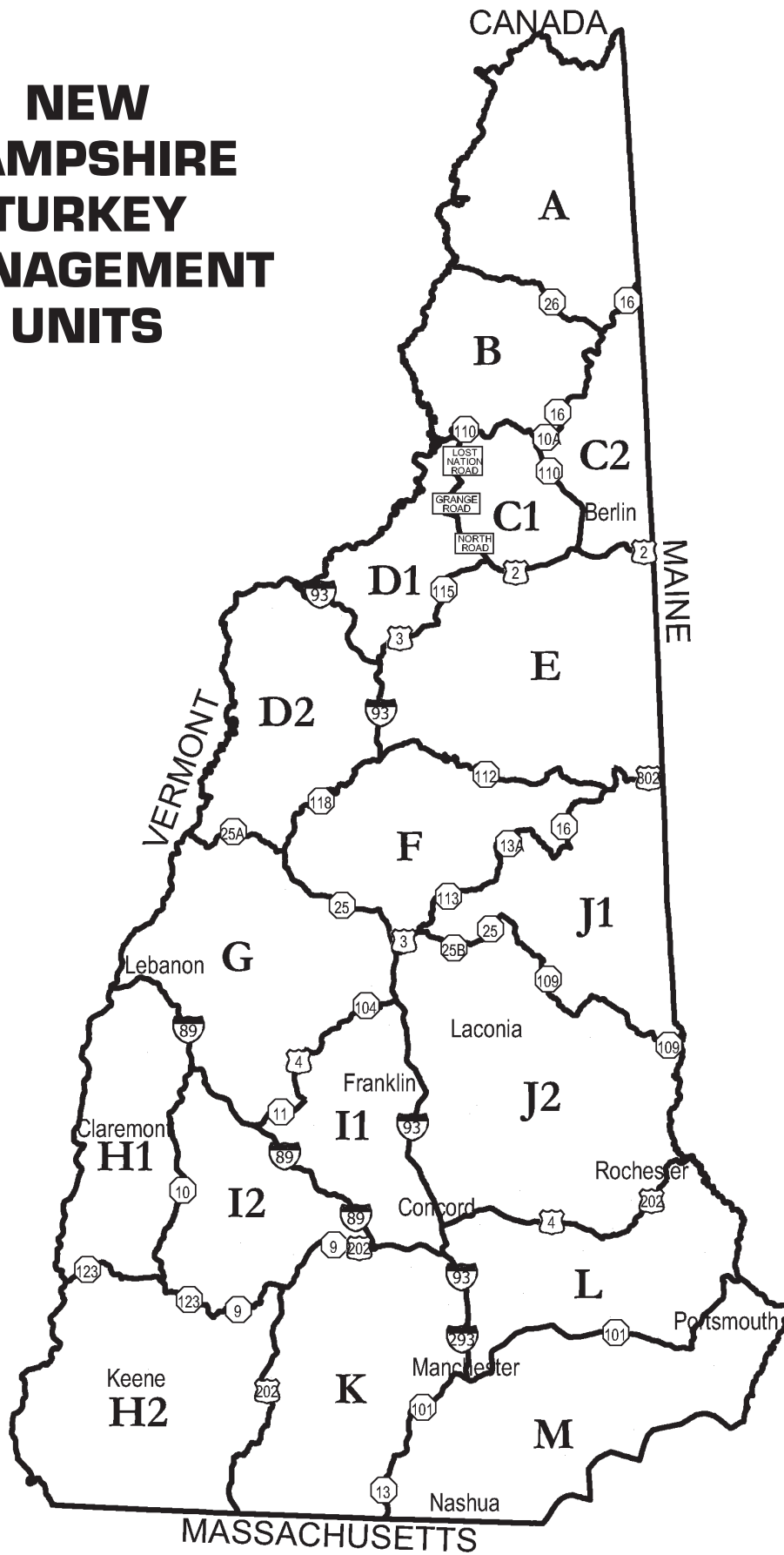
Of the 18 wildlife management units in the state, 9 went up a little in harvest from 2006 and 9 went down a little. Unit K has now surpassed all units, with 465 turkeys harvested. Another surprise was unit J2 in eastern New Hampshire, with 431 turkeys. Ten of the 18 units are now at a spring gobbler kill per square mile of 0.50. Unit J1 (0.46) is close and unit M (0.39) is improving. Units in the White Mountains regions and northernmost NH have a long way to go.

Fall Shotgun Season: The 2007 fall shotgun season ran from October 15-19 and tallied a harvest of 343 turkeys from the 8 open western WMUs. This represents an increase of 221 turkeys over the 2006 harvest of 122 birds. The 2007 harvest was composed of 226 hens (65.9%) and 117 gobblers (34.1%).

Fall Archery Season: The September 15 – December 15 archery season for turkeys registered 418 birds, or an increase of 210 turkeys or 101% over the 2006 harvest of 208 turkeys. The 2007 harvest was composed of 239 hens (57.2%) and 179 gobblers (42.8%).

The statewide population as of August 2007 was estimated to be 35,000 wild turkeys. Turkey numbers continue to grow in northern and eastern areas of the state. Three snowfalls and cold temperatures during April 2007 may have caused abandonment of some early nests and delayed further nesting. A sample of single hen broods from June had an average of 7.0 poults per hen, and a second July sample had an average of 6.7 poults per hen.

NEW HAMPSHIRE TURKEY MANAGEMENT UNITS



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

WMU	CURRENT LEVEL¹	2006-2015 OBJECTIVE	HUNTING STRATEGY²
A	0.05	0.07	Conservative
B	0.09	0.07	Moderate
C1	0.08	0.09	Moderate
C2	0.14	0.14	Moderate
D1	0.57	0.50	Liberal
D2	0.87	0.50	Liberal
E	0.10	0.09	Moderate
F	0.26	0.19	Moderate
G	0.51	0.41	Liberal
H1	0.99	0.50	Liberal
H2	0.69	0.50	Liberal
I1	0.65	0.50	Liberal
I2	0.57	0.49	Liberal
J1	0.46	0.34	Moderate
J2	0.59	0.29	Moderate
K	0.82	0.50	Liberal
L	0.50	0.25	Moderate
M	0.39	0.18	Moderate

1 - Current Level is the spring kill per square mile of turkey habitat for the 2007 season.

2 - Conservative strategies allow varying levels of 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.

2007 TURKEY HARVEST BY WMU BY SPRING AND FALL SEASON

WMU	SPRING HENS	SPRING JAKES	SPRING TOMS	FALL HENS	FALL GOBBLERS	GRAND TOTAL	SPRING KPSM*
A	0	9	14	0	0	23	0.05
B	0	9	14	6	4	33	0.09
C1	0	3	8	0	2	13	0.08
C2	0	5	20	0	1	26	0.14
D1	0	34	76	20	16	146	0.57
D2	0	101	250	61	33	445	0.87
E	0	5	39	4	5	53	0.10
F	0	29	69	8	7	113	0.26
G	1	81	200	52	28	362	0.51
H1	1	102	249	50	22	424	0.99
H2	5	127	301	45	40	518	0.69
I1	2	56	148	34	15	255	0.65
I2	1	42	145	29	20	237	0.57
J1	1	57	139	9	9	215	0.46
J2	2	166	263	32	20	483	0.59
K	4	160	301	74	49	588	0.82
L	2	92	112	16	6	228	0.50
M	0	107	99	25	19	250	0.39
TOTAL	19	1185	2447	465	296	4412	0.50

* - Kill per square mile of turkey habitat.

2007 FALL TURKEY HARVEST BY WMU, SEASON AND SEX

WMU	FALL ARCHERY SEASON			FALL SHOTGUN SEASON			GRAND TOTAL
	HENS	TOMS	TOTAL	HENS	TOMS	TOTAL	
A	0	0	0	0	0	0	0
B	6	4	10	0	0	0	10
C1	0	2	2	0	0	0	2
C2	0	1	1	0	0	0	1
D1	8	8	16	12	8	20	36
D2	18	13	31	43	20	63	94
E	4	5	9	0	0	0	9
F	8	7	15	0	0	0	15
G	15	14	29	37	14	51	80
H1	20	6	26	30	16	46	72
H2	14	18	32	31	22	53	85
I1	10	5	15	24	10	34	49
I2	15	10	25	14	10	24	49
J1	9	9	18	0	0	0	18
J2	32	20	52	0	0	0	52
K	39	32	71	35	17	52	123
L	16	6	22	0	0	0	22
M	25	19	44	0	0	0	44
TOTAL	239	179	418	226	117	343	761

2007 TOP 10 SPRING GOBBLERS

NAME	RESIDENCE	WEIGHT (LBS.)	BEARD (INCHES)	SPUR LENGTH (INCHES)	WMU	TOWN OF KILL
R. KLINGENSMITH	NEW DURHAM, NH	26.5	8.5	1.250	J2	NEW DURHAM
F. ROBERTS	CHOCORUA, NH	26	11	1.250	J1	TAMWORTH
J. DROUIN	DERRY, NH	25	10.75	1.250	M	DERRY
D. PIPER	POST MILLS, VT	25	9.75	1.375	G	ORFORD
C. WILSON	SULLIVAN, NH	24.5	9.75	0.750	H2	SULLIVAN
H. BALTZLEY	ACTON, ME	24.5	9.5	0.750	L	SOMERSWORTH
M. CHILDERS	WENTWORTH, NH	24	11.375	1.250	G	WENTWORTH
D. CROWLEY	ROCHESTER, NH	24	11.25	0.938	L	ROCHESTER
M. HANSON	SALEM, NH	24	10	1.000	K	NEW BOSTON
C. SNELLING	LEE, NH	24	10	0.875	L	MADBURY

2007 TURKEY HARVEST BY TOWN AND WMU

Towns where no turkeys were killed are excluded from this table.

TOWN/WMU	SPRING FEMALE	SPRING JAKE	SPRING TOM	SPRING MALE	SPRING MALE KPSM*	FALL FEMALE	FALL MALE	FALL TOTAL	FALL TOTAL KPSM*
ACWORTH (H1)	0	12	19	31	0.86	6	1	7	0.19
ALBANY (E/F/J1)	0	1	1	2	0.03	1	0	1	0.02
ALEXANDRIA (G/I1)	0	3	3	6	0.16	6	0	6	0.16
ALLENSTOWN (L)	1	2	2	4	0.22	1	0	1	0.06
ALSTEAD (H1/H2)	0	8	20	28	0.77	3	2	5	0.14
ALTON (J2)	0	19	34	53	0.92	0	2	2	0.03
AMHERST (K/M)	0	6	6	12	0.43	1	2	3	0.11
ANDOVER (G/I1)	0	2	22	24	0.65	2	1	3	0.08
ANTRIM (H2/I2/K)	0	2	11	13	0.41	3	0	3	0.10
ASHLAND (F/G/J2)	0	6	8	14	1.44	1	0	1	0.10
AUBURN (L/M)	0	0	2	2	0.09	0	0	0	0.00
BARNSTEAD (J2)	0	4	5	9	0.23	1	0	1	0.03
BARRINGTON (J2/L)	0	6	7	13	0.31	0	0	0	0.00
BARTLETT (E)	0	0	4	4	0.07	1	1	2	0.03
BATH (D2)	0	20	45	65	1.83	13	6	19	0.53
BEDFORD (K/L/M)	0	7	8	15	0.59	0	1	1	0.04
BELMONT (J2)	0	15	11	26	1.02	5	2	7	0.27
BENNINGTON (H2/K)	0	0	7	7	0.71	1	2	3	0.31
BENTON (D2)	0	3	5	8	0.20	0	1	1	0.03
BERLIN (C1/C2)	0	1	5	6	0.13	0	0	0	0.00
BETHLEHEM (D1/D2/E)	0	2	11	13	0.18	1	2	3	0.04
BOSCAWEN (I1)	0	5	15	20	0.91	4	1	5	0.23
BOW (I1/K/L)	0	7	11	18	0.80	3	0	3	0.13
BRADFORD (I2)	0	4	10	14	0.44	3	1	4	0.13
BRENTWOOD (L/M)	0	3	2	5	0.35	2	1	3	0.21
BRIDGEWATER (G)	0	4	6	10	0.50	2	1	3	0.15
BRISTOL (G/I1)	0	2	0	2	0.14	2	1	3	0.20
BROOKFIELD (J1/J2)	0	2	10	12	0.56	0	1	1	0.05
BROOKLINE (K/M)	0	3	8	11	0.63	2	2	4	0.23
CAMPTON (F)	0	7	17	24	0.53	3	1	4	0.09

2007 TURKEY HARVEST BY TOWN AND WMU, cont.

TOWN/WMU	SPRING FEMALE	SPRING JAKE	SPRING TOM	SPRING MALE	SPRING MALE KPSM*	FALL FEMALE	FALL MALE	FALL TOTAL	FALL TOTAL KPSM*
CANAAN (G)	0	14	24	38	0.87	10	2	12	0.27
CANDIA (L/M)	0	3	1	4	0.15	2	0	2	0.07
CANTERBURY (I1/J2)	0	9	19	28	0.70	1	0	1	0.03
CARROLL (D1/E)	0	0	5	5	0.12	2	0	2	0.05
CENTER HARBOR (J1/J2)	0	1	4	5	0.43	0	0	0	0.00
CHARLESTOWN (H1)	0	11	20	31	0.96	9	1	10	0.31
CHATHAM (E)	0	1	10	11	0.22	1	0	1	0.02
CHESTER (M)	0	1	2	3	0.13	0	0	0	0.00
CHESTERFIELD (H2)	1	8	9	17	0.40	4	10	14	0.33
CHICHESTER (J2/L)	1	6	10	16	0.84	1	0	1	0.05
CLAREMONT (H1)	0	18	40	58	1.58	7	2	9	0.24
CLARKSVILLE (A)	0	1	1	2	0.04	0	0	0	0.00
COLEBROOK (A/B)	0	0	4	4	0.13	0	0	0	0.00
COLUMBIA (B)	0	2	3	5	0.10	2	0	2	0.04
CONCORD (I1/J2/K/L)	0	16	24	40	0.83	5	1	6	0.13
CONWAY (E/F/J1)	0	3	20	23	0.37	1	4	5	0.08
CORNISH (H1)	0	8	29	37	0.99	6	2	8	0.21
CROYDON (H1/I2)	0	4	13	17	0.60	3	1	4	0.14
DALTON (D1)	0	2	10	12	0.51	2	0	2	0.09
DANBURY (G/I1)	0	4	12	16	0.51	9	3	12	0.38
DANVILLE (M)	0	0	0	0	0.00	2	0	2	0.20
DEERFIELD (L)	0	7	11	18	0.38	2	3	5	0.11
DEERING (K)	0	9	13	22	0.78	4	5	9	0.32
DERRY (M)	0	6	9	15	0.53	1	1	2	0.07
DORCHESTER (G)	0	1	10	11	0.29	1	1	2	0.05
DOVER (L)	0	8	13	21	1.06	1	0	1	0.05
DUBLIN (H2)	0	3	13	16	0.66	0	0	0	0.00
DUMMER (B/C1/C2)	0	0	5	5	0.13	1	1	2	0.05
DUNBARTON (K)	0	8	14	22	0.80	5	3	8	0.29
DURHAM (L)	0	1	0	1	0.05	0	0	0	0.00
EAST KINGSTON (M)	0	1	0	1	0.11	0	0	0	0.00
EASTON (D2)	0	0	2	2	0.08	1	0	1	0.04
EATON (J1)	0	2	7	9	0.39	1	0	1	0.04
EFFINGHAM (J1)	1	4	12	16	0.46	1	2	3	0.09
ENFIELD (G/H1)	1	7	28	35	1.03	6	3	9	0.26
EPPING (L/M)	0	10	2	12	0.53	3	1	4	0.18
EPSOM (J2/L)	1	17	11	28	0.89	1	1	2	0.06
ERROL (A/B/C2)	0	0	2	2	0.04	0	0	0	0.00
EXETER (L/M)	0	4	3	7	0.45	0	0	0	0.00
FARMINGTON (J2)	0	5	5	10	0.30	2	1	3	0.09
FITZWILLIAM (H2)	0	6	9	15	0.50	1	0	1	0.03
FRANCESTOWN (K)	0	4	14	18	0.65	3	1	4	0.14
FRANCONIA (D1/D2/E)	0	1	5	6	0.12	1	2	3	0.06
FRANKLIN (I1)	0	2	15	17	0.71	1	0	1	0.04
FREEDOM (J1)	0	8	12	20	0.63	0	0	0	0.00
FREMONT (M)	0	3	4	7	0.47	3	1	4	0.27
GILFORD (J2)	1	4	24	28	0.84	3	0	3	0.09

2007 TURKEY HARVEST BY TOWN AND WMU, cont.

TOWN/WMU	SPRING FEMALE	SPRING JAKE	SPRING TOM	SPRING MALE	SPRING MALE KPSM*	FALL FEMALE	FALL MALE	FALL TOTAL	FALL TOTAL KPSM*
GILMANTON (J2)	0	8	28	36	0.68	5	1	6	0.11
GILSUM (H2)	0	3	9	12	0.79	1	0	1	0.07
GOFFSTOWN (K)	1	16	15	31	0.99	6	2	8	0.26
GORHAM (C1/C2/E)	0	0	2	2	0.07	0	0	0	0.00
GOSHEN (I2/H1)	0	6	8	14	0.69	2	1	3	0.15
GRAFTON (G)	0	5	13	18	0.52	0	2	2	0.06
GRANTHAM (G/H1/I2)	0	0	13	13	0.59	1	0	1	0.05
GREENFIELD (K)	1	4	11	15	0.64	2	3	5	0.21
GREENLAND (M)	0	3	4	7	0.82	0	0	0	0.00
GREENVILLE (K)	0	2	3	5	0.83	1	2	3	0.50
GROTON (G)	0	1	8	9	0.26	1	0	1	0.03
HALE'S LOCATION (E)	0	0	1	1	0.42	0	0	0	0.00
HAMPSTEAD (M)	0	1	1	2	0.18	0	0	0	0.00
HAMPTON (M)	0	1	1	2	0.30	1	0	1	0.15
HANCOCK (H2/K)	0	5	14	19	0.71	1	3	4	0.15
HANOVER (G)	0	7	20	27	0.61	1	1	2	0.05
HARRISVILLE (H2)	0	2	5	7	0.41	1	0	1	0.06
HART'S LOCATION (E)	0	0	1	1	0.06	0	0	0	0.00
HAVERHILL (D2)	0	15	38	53	1.13	5	6	11	0.23
HEBRON (G)	0	2	7	9	0.60	3	1	4	0.27
HENNIKER (I2/K)	0	12	30	42	1.05	3	2	5	0.13
HILL (I1)	0	6	7	13	0.53	3	2	5	0.20
HILLSBORO (H2/I2/K)	0	9	15	24	0.61	5	4	9	0.23
HINSDALE (H2)	0	2	9	11	0.61	1	0	1	0.06
HOLDERNESS (F/G/J1/J2)	0	5	7	12	0.44	1	0	1	0.04
HOLLIS (M)	0	13	11	24	0.86	2	2	4	0.14
HOOKSETT (K/L)	0	3	11	14	0.50	0	1	1	0.04
HOPKINTON (I1/I2/K)	1	8	17	25	0.67	7	2	9	0.24
HUDSON (M)	0	6	4	10	0.52	0	0	0	0.00
JACKSON (E)	0	0	4	4	0.07	0	0	0	0.00
JAFFREY (H2/K)	1	12	27	39	1.18	6	6	12	0.36
JEFFERSON (C1/D1/E)	0	10	12	22	0.53	9	3	12	0.29
KEENE (H2)	0	4	13	17	0.57	0	0	0	0.00
KENSINGTON (M)	0	4	3	7	0.65	0	0	0	0.00
KINGSTON (M)	0	1	3	4	0.24	3	1	4	0.24
LACONIA (J2)	0	2	5	7	0.47	1	2	3	0.20
LANCASTER (C1/D1)	0	10	17	27	0.67	3	7	10	0.25
LANDAFF (D2)	0	7	22	29	1.12	10	2	12	0.46
LANGDON (H1/H2)	0	4	11	15	0.97	4	5	9	0.58
LEBANON (G/H1)	0	10	15	25	0.76	1	3	4	0.12
LEE (L)	0	10	9	19	1.11	2	1	3	0.18
LEMPSTER (H1/I2)	0	5	17	22	0.90	0	0	0	0.00
LISBON (D2)	0	6	24	30	1.25	7	4	11	0.46
LITCHFIELD (M)	0	0	0	0	0.00	0	1	1	0.09
LITTLETON (D1/D2)	0	13	33	46	1.04	6	6	12	0.27
LONDONDERRY (M)	0	8	1	9	0.28	0	0	0	0.00
LOUDON (J2)	0	18	13	31	0.77	1	1	2	0.05

2007 TURKEY HARVEST BY TOWN AND WMU, cont.

TOWN/WMU	SPRING FEMALE	SPRING JAKE	SPRING TOM	SPRING MALE	SPRING MALE KPSM*	FALL FEMALE	FALL MALE	FALL TOTAL	FALL TOTAL KPSM*
LYMAN (D2)	0	13	16	29	1.08	5	2	7	0.26
LYME (G)	0	5	14	19	0.38	3	4	7	0.14
LYNDEBOROUGH (K)	0	4	10	14	0.49	3	2	5	0.18
MADBURY (L)	0	5	11	16	1.55	1	0	1	0.10
MADISON (F/J1)	0	14	20	34	0.96	1	0	1	0.03
MANCHESTER (K/L/M)	0	0	1	1	0.07	0	1	1	0.07
MARLBOROUGH (H2)	0	13	13	26	1.38	0	1	1	0.05
MARLOW (H1/H2/I2)	0	5	15	20	0.93	1	0	1	0.05
MASON (K)	0	5	6	11	0.48	2	1	3	0.13
MEREDITH (I1/J2)	0	5	9	14	0.40	1	1	2	0.06
MERRIMACK (M)	0	3	8	11	0.46	1	3	4	0.17
MIDDLETON (J2)	0	3	4	7	0.42	1	2	3	0.18
MILAN (B/C1/C2)	0	4	2	6	0.13	0	0	0	0.00
MILFORD (K/M)	0	7	19	26	1.27	6	3	9	0.44
MILTON (J2)	0	6	8	14	0.47	3	0	3	0.10
MONROE (D2)	0	12	27	39	1.87	2	2	4	0.19
MONT VERNON (K)	0	5	4	9	0.58	4	3	7	0.45
MOULTONBORO (J1/J2)	0	6	12	18	0.34	2	0	2	0.04
NASHUA (M)	0	4	0	4	0.33	0	0	0	0.00
NELSON (H2)	0	3	6	9	0.47	1	2	3	0.16
NEW BOSTON (K)	1	15	31	46	1.19	8	5	13	0.34
NEW DURHAM (J2)	0	8	10	18	0.47	2	1	3	0.08
NEW HAMPTON (G/I1/J2)	0	6	10	16	0.48	0	4	4	0.12
NEW IPSWICH (K)	1	5	18	23	0.79	3	1	4	0.14
NEW LONDON (G/I1/I2)	0	2	9	11	0.60	1	6	7	0.38
NEWBURY (I2)	0	4	23	27	0.85	2	2	4	0.13
NEWFIELDS (L)	0	1	0	1	0.16	0	0	0	0.00
NEWINGTON (M)	0	1	3	4	0.67	0	0	0	0.00
NEWMARKET (L)	0	6	4	10	0.97	1	0	1	0.10
NEWPORT (H1/I2)	0	11	22	33	0.85	5	5	10	0.26
NEWTON (M)	0	0	1	1	0.12	1	0	1	0.12
NORTH HAMPTON (M)	0	3	3	6	0.54	0	0	0	0.00
NORTHFIELD (I1/J2)	0	5	7	12	0.46	0	1	1	0.04
NORTHUMBERLAND (B/C1/D1)	0	3	2	5	0.17	1	2	3	0.10
NORTHWOOD (J2/L)	0	5	6	11	0.43	1	0	1	0.04
NOTTINGHAM (L)	0	3	3	6	0.14	0	0	0	0.00
ORANGE (G)	0	1	4	5	0.27	1	0	1	0.05
ORFORD (D2/G)	0	11	16	27	0.64	4	2	6	0.14
OSSIPEE (J1)	0	5	18	23	0.37	3	0	3	0.05
PELHAM (M)	0	4	5	9	0.42	0	3	3	0.14
PEMBROKE (L)	0	1	4	5	0.26	0	0	0	0.00
PETERBOROUGH (H2/K)	0	6	18	24	0.75	7	0	7	0.22
PIERMONT (D2)	0	9	22	31	0.85	7	2	9	0.25
PITTSBURG (A)	0	5	4	9	0.04	0	0	0	0.00
PITTSFIELD (J2)	0	2	4	6	0.28	1	0	1	0.05
PLAINFIELD (H1)	0	15	40	55	1.19	8	6	14	0.30
PLAISTOW (M)	0	2	1	3	0.37	0	0	0	0.00

2007 TURKEY HARVEST BY TOWN AND WMU, cont.

TOWN/WMU	SPRING FEMALE	SPRING JAKE	SPRING TOM	SPRING MALE	SPRING MALE KPSM*	FALL FEMALE	FALL MALE	FALL TOTAL	FALL TOTAL KPSM*
PLYMOUTH (F/G)	0	4	6	10	0.42	4	2	6	0.25
PORTSMOUTH (M)	0	2	3	5	0.63	1	0	1	0.13
RANDOLPH (C1/E)	0	0	1	1	0.02	0	0	0	0.00
RAYMOND (L/M)	0	5	4	9	0.38	1	0	1	0.04
RICHMOND (H2)	0	6	13	19	0.53	1	1	2	0.06
RINDGE (H2/K)	2	4	7	11	0.36	2	0	2	0.06
ROCHESTER (J2/L)	0	10	13	23	0.65	1	1	2	0.06
ROLLINSFORD (L)	0	2	6	8	1.28	1	0	1	0.16
ROXBURY (H2)	0	3	1	4	0.35	1	1	2	0.17
RUMNEY (F/G)	0	4	16	20	0.53	0	1	1	0.03
RYE (M)	0	2	1	3	0.33	0	0	0	0.00
SALISBURY (I1)	0	11	21	32	0.86	5	2	7	0.19
SANBORNTON (I1/J2)	1	11	16	27	0.61	3	1	4	0.09
SANDOWN (M)	0	0	2	2	0.17	1	0	1	0.08
SANDWICH (F/J1)	0	4	14	18	0.22	0	4	4	0.05
SEABROOK (M)	0	0	0	0	0.00	1	0	1	0.22
SHARON (K)	0	2	5	7	0.51	0	2	2	0.15
SHELBURNE (C2/E)	0	1	10	11	0.29	0	1	1	0.03
SOMERSWORTH (L)	0	2	1	3	0.43	0	0	0	0.00
SOUTH HAMPTON (M)	0	2	0	2	0.28	0	0	0	0.00
SPRINGFIELD (G/I2)	0	7	14	21	0.64	1	1	2	0.06
STARK (B/C1)	0	3	1	4	0.08	0	2	2	0.04
STEWARTSTOWN (A)	0	3	4	7	0.19	0	0	0	0.00
STODDARD (H2/I2)	0	3	11	14	0.33	1	0	1	0.02
STRAFFORD (J2)	0	7	11	18	0.39	0	0	0	0.00
STRATFORD (B)	0	3	6	9	0.13	2	1	3	0.04
STRATHAM (L/M)	0	12	8	20	1.58	1	3	4	0.32
SUCCESS (C2)	0	0	1	1	0.03	0	0	0	0.00
SUGAR HILL (D1/D2)	0	4	12	16	1.02	3	0	3	0.19
SULLIVAN (H2)	0	1	10	11	0.66	2	4	6	0.36
SUNAPEE (G/I2)	0	4	13	17	0.96	3	5	8	0.45
SURRY (H2)	0	4	9	13	0.90	0	3	3	0.21
SUTTON (I1/I2)	0	6	22	28	0.74	4	4	8	0.21
SWANZEY (H2)	0	4	19	23	0.58	2	3	5	0.13
TAMWORTH (F/J1)	0	4	20	24	0.44	0	1	1	0.02
TEMPLE (K)	0	1	14	15	0.72	1	0	1	0.05
THORNTON (F)	0	2	9	11	0.24	2	1	3	0.07
TILTON (I1/J2)	0	1	0	1	0.11	0	0	0	0.00
TROY (H2)	0	1	6	7	0.43	0	0	0	0.00
TUFTONBORO (J1/J2)	0	4	13	17	0.47	1	0	1	0.03
UNITY (H1)	1	6	14	20	0.59	2	2	4	0.12
WAKEFIELD (J1/J2)	0	10	14	24	0.68	1	2	3	0.09
WALPOLE (H1/H2)	0	10	23	33	1.03	5	2	7	0.22
WARNER (I1/I2)	0	2	19	21	0.42	2	2	4	0.08
WARREN (D2/F)	0	2	11	13	0.28	2	0	2	0.04
WASHINGTON (I2)	0	5	10	15	0.43	2	0	2	0.06
WEARE (K)	0	24	33	57	1.06	9	6	15	0.28

2007 TURKEY HARVEST BY TOWN AND WMU, cont.

TOWN/WMU	SPRING FEMALE	SPRING JAKE	SPRING TOM	SPRING MALE	SPRING MALE KPSM*	FALL FEMALE	FALL MALE	FALL TOTAL	FALL TOTAL KPSM*
WEBSTER (I1)	0	6	15	21	0.82	5	1	6	0.23
WENTWORTH (D2/F/G)	0	2	12	14	0.39	2	1	3	0.08
WESTMORELAND (H2)	0	11	29	40	1.18	5	0	5	0.15
WHITEFIELD (D1)	0	0	11	11	0.40	0	2	2	0.07
WILMOT (G/I1)	1	4	8	12	0.47	1	0	1	0.04
WILTON (K)	0	12	21	33	1.43	1	1	2	0.09
WINCHESTER (H2)	1	12	19	31	0.61	5	1	6	0.12
WINDHAM (M)	0	1	1	2	0.09	0	0	0	0.00
WINDSOR (I2)	0	1	2	3	0.41	1	0	1	0.14
WOLFEBORO (J1/J2)	0	9	6	15	0.34	2	4	6	0.14
WOODSTOCK (D2/F)	0	0	3	3	0.06	0	0	0	0.00
TOTAL	19	1185	2447	3632		465	296	761	

* - Kill per square mile of land area.

2006/07 FURBEARER HARVEST SUMMARY



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Trapping is a highly specialized skill and one that provides substantial public benefit to our residents. Trappers play a significant role in the management of furbearer populations. They provide important data to management programs and provide an important public service in their capacity as damage control specialists.

New Hampshire furbearers remain abundant and widespread as indicated by results from the 2006/07 New Hampshire trapping season. Five hundred and fifteen trappers held licenses in New Hampshire during the 2006/07 season. This value is 17 percent higher than that of the 2005/06 season and reflects our improved methodology in identifying trappers in our data base. Average pelt values, derived from the annual winter fur auction conducted by the New Hampshire Trappers Association, showed increases in many species. However, beaver and otter pelts decreased in value. The value of the 2006/07 fur harvest to trappers was \$189,900, based on average pelt values and the total amount of fur harvested in New Hampshire.

The New Hampshire furbearer program has undergone significant change in the past year. Aside from notable changes in staffing, furbearer harvest records stemming back to 1999 are now coded to Wildlife Management Unit (WMU). This transition, which allows for analysis based on ecological rather than political subdivisions, puts the furbearer project on par with our deer, bear, moose and turkey projects. To account for small sample sizes and to establish a practical basis for future management decision-making, WMUs have been partitioned into 5 furbearer management regions (see the attached map). Furbearer enthusiasts can expect to see a continued reliance on Catch Per Unit Effort (CPUE) data, as the basis for indexing regional population change. CPUE data assesses trapper efficiency and accounts for changing trapper effort over time. Fish and Game measures CPUE on the basis of catch per 100 trap-nights.

Table 1 of this report provides a statewide summary of trapper harvest by species, during the past 8 trapping seasons. This table is of interest, but it fails to account for differences in trapper effort between species and over time. Table 2 accounts for trapper effort by presenting data on the basis of catch per 100 trap nights. While statewide trends in catch per 100 trap nights are of interest (note the decline in fisher CPUE over the 8 trapping seasons), a statewide analysis fails to account for regional differences in abundance. Table 3 summarizes trapper harvest by species in our 5 furbearer management regions during the 2006/07 trapping season. Comparison of harvest between the regions is interesting, but as was the case with Table 1, it fails to account for differences in trapping effort. Table 4 takes the data one step further by accounting for trapper effort, thus allowing for meaningful comparison by species and region. More comprehensive data analysis are conducted by the furbearer project, but space constraints preclude their inclusion in this report.

The furbearer program thanks trappers who take the time to carefully and completely fill out annual trapping reports. These data are critical to our program.

TABLE 1. NH FURBEARER TRAPPER HARVEST BY YEAR, 1999-2007.

SEASON	BEAVER	COYOTE	FISHER	GRAY FOX	MINK	MUSKRAT	OTTER	RACCOON	RED FOX
1999-2000	3412	279	885	89	416	1714	291	374	181
2000-2001	2879	358	683	75	262	2169	244	244	208
2001-2002	4313	556	1001	183	616	3577	386	555	409
2002-2003	2280	532	781	188	367	1458	275	415	364
2003-2004	2798	734	801	271	353	1945	364	534	505
2004-2005	2595	661	753	117	362	2348	310	634	408
2005-2006	3057	464	548	71	292	2109	367	350	239
2006-2007	3371	560	595	190	449	2651	345	495	336

TABLE 2. NH FURBEARER STATEWIDE CATCH PER 100 TRAP NIGHTS BY YEAR, 1999-2007.

SEASON	BEAVER	COYOTE	FISHER	GRAY FOX	MINK	MUSKRAT	OTTER	RACCOON	RED FOX
1999-2000	8.87	1.90	3.08	1.77	2.72	7.64	2.28	3.28	2.50
2000-2001	9.15	1.20	2.59	1.76	1.68	9.00	1.60	2.63	2.21
2001-2002	8.09	2.15	3.16	1.86	2.25	7.18	2.12	2.51	2.67
2002-2003	7.25	2.72	2.31	1.54	1.85	5.72	2.15	2.30	1.95
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	2.03

TABLE 3. NH FURBEARER TRAPPER HARVEST BY REGION, 2006/07 SEASON.

REGION	BEAVER	COYOTE	FISHER	GRAY FOX	MINK	MUSKRAT	OTTER	RACCOON	RED FOX
NORTH	278	86	49	2	25	309	24	16	47
WHITE MTN.	200	120	32	27	41	133	13	18	64
CENTRAL	807	106	164	38	153	677	112	95	72
S. WEST	1144	184	220	51	156	671	113	168	72
S. EAST	942	64	130	72	74	861	83	198	81
STATEWIDE	3371	560	595	190	449	2651	345	495	336

TABLE 4. NH FURBEARER CATCH PER 100 TRAP NIGHTS BY REGION, 2006/07 SEASON.

REGION	BEAVER	COYOTE	FISHER	GRAY FOX	MINK	MUSKRAT	OTTER	RACCOON	RED FOX
NORTH	11.71	1.81	2.02	3.17	2.35	6.98	3.39	0.44	3.40
WHITE MTN.	9.40	2.48	1.20	1.17	2.92	6.53	5.05	0.66	1.94
CENTRAL	7.90	1.14	1.28	1.07	1.72	5.22	1.94	1.81	1.42
S. WEST	7.47	2.01	1.41	1.85	1.12	5.51	1.79	2.88	2.07
S. EAST	5.93	1.66	1.17	0.84	0.77	4.93	0.95	1.82	2.40
STATEWIDE	7.31	1.77	1.34	1.12	1.30	5.41	1.58	1.78	2.03

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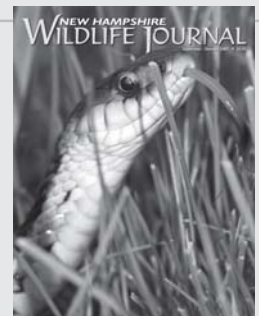
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