BLACK ROCK FOREST
2009 DEER HARVEST REPORT

THE SEASON

November 21 to December 13

The harvest produced 54 kills.

Bow Season --	2 Deer	1 Buck	1 Antlerless
Rifle Season –	52 Deer	19 Bucks	33 Antlerless
Muzzleloader season --	0 Deer	0 Bucks	0 Antlerless

	HUNTERS	VISITS	(VEHICLES)	BUCKS	TOTAL Bucks and Antlerless
10 Year Average	175	573	419	17%	28%
Range (Hi-Low)	208-147	695-460	510-223	21% - 9%	39% - 21%
2009	**178**	**570**	**416**	**8%**	**30%**

PERMITS AND LICENSES FILLED

Type	Number Harvested
Big Game	
Rifle	13
Bow	2
Muzzleloader	0
Deer Management Unit Permit	19
Deer Management Assistance Program	19
	53

HUNTING PRESSURE AND SUCCESS BY ZONE

ZONE	ACRES	HUNTER VISITS	BUCKS	DOES
I	450	63	2	4
II	520	104	2	9
III	450	56	6	3
IV	460	112	3	9
V	400	48	6	1
VI	500	57	0	3
VII	150	44	0	1
VIII	330	51	1	1
MINERAL SPRINGS	120	20	0	0
SANCTUARY	220	15	0	3
TOTAL	3600	570	20	34

YEARLING MALES

YEAR	YEARLINGS	SPK	3	4	5	6	7	8	sub legal	UK	ANTLER POINTS	(mm) BEAM DIAMETER	(lbs.) BODY WEIGHT (dressed)	% OF LEGAL BUCK TAKE
1990 - 2008 TOTAL	278	123	36	64	19	18	1	1	12	4				
AVERAGE	15	----------PER YEAR----------												55%
		----------PER DEER----------									3.1	15.8	89	
RANGE (hi - low)	31 - 5	----------PER YEAR----------									4.1 - 2.3	16.7 - 14-7	94 - 75	83% - 29%
2009	***6***	***2***	***0***	***2***	***1***	***0***	***0***	***0***	***1***	***0***	***3.4***	***14.4***	***88***	***37%***

2 ½ YEAR OLD MALES

YEAR	2 1/2 years	SPK	3	4	5	6	7	8	9	10	UK	ANTLER POINTS	(mm) BEAM DIAMETER	(lbs.) BODY WEIGHT (dressed)	% OF LEGAL BUCK TAKE
1990 - 2008 TOTAL	139	8	6	28	17	37	17	25	0	0	1				
AVERAGE	7	----------PER YEAR----------													28%
		----------PER DEER----------										5.7	21.4	108	
RANGE (hi - low)	14- 2	----------PER YEAR----------										6.3 - 4.2	23.1 - 18.4	122 - 95	44% - 8%
2009	***6***	***0***	***1***	***1***	***0***	***3***	***1***	***0***	***0***	***0***	***0***	***5.3***	***21.6***	***113***	***37%***

3 ½ + 4 ½ YEAR OLD MALES

YEAR	3 1/2 - 4 1/2 years	SPK	3	4	5	6	7	8	9	10	UK	ANTLER POINTS	(mm) BEAM DIAMETER	(lbs.) BODY WEIGHT (dressed)	% OF LEGAL BUCK TAKE
1990 - 2008 TOTAL	84	0	0	5	7	14	14	36	2	4	2				
AVERAGE	4	----------PER YEAR----------													17%
		----------PER DEER----------										7.1	25.7	125	
RANGE (hi - low)	14 - 0	----------PER YEAR----------										10.0 - 5.0	28.6 - 21.7	140 - 94	44% - 0%
2009	***4***	***0***	***0***	***0***	***0***	***1***	***2***	***1***	***0***	***0***	***0***	***7***	***26***	***119***	***25%***

FEMALES

AGE CLASS	Total	Fawn	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	10.5	Unknown	% 3.5+
Number Harvested	34	4	7	11	4	4	3	1	0	0	0	0	33%
Avg. Dressed Weight		53	72	87	91	99	94	86	0	0	0	0	

BLACK ROCK FOREST
2009 DEER HARVEST REPORT

Summary

The low acorn crop of 2008 and fair in 2009 crippled the development, of the fawn and yearling age classes. It appears the browse produced by the ice storm of December 12, 2008 only was enough to maintain the adult age classes.

	2008	2009
Acorns	Low	Fair
Overwinter deer density	21 dpm ↓	17 dpm ↓
Average fawn weight	47 lbs ↓	51 lbs ↑
Yearling ABD	14.7mm ↓	14.4 mm ↓
Yearling buck take	17 deer —	6 deer ↓

The forest deer herd has taken a predictable turn downward. The signs for resurgence can be found in the increase of average fawn weights and the healthy adult female component, key for reproduction potential.

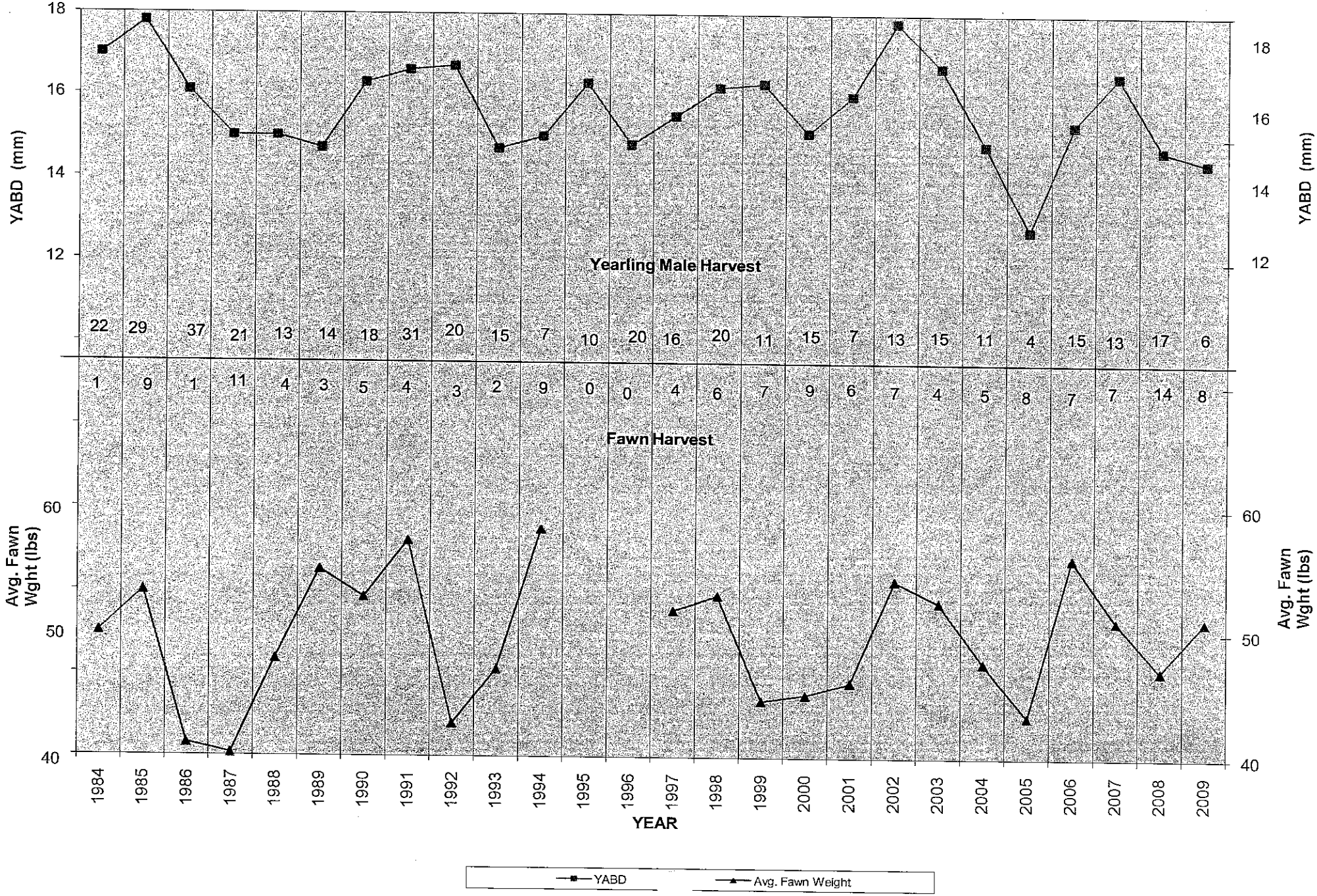
It must be noted that surrounding areas (Ex. Cornwall-on-Hudson) have exhibited excessive deer-abundance. The Black Rock Forest deer herd recovery may be affected by migrating deer from over browsed urban ranges. This creates excellent areas of study and monitoring of deer herd population dynamics.

Conclusion

The application of the Deer Management Assistance Program (DMAP) issued by the New York Department of Environmental Conservation (DEC) for the previous 10 years has made a deer management impact. Previously, with only hunter generated management unit permits, it was only possible to maintain this small but abundant deer herd by creating a harvest equal to recruitment. Management goals of forest regeneration now have a greater chance to be met. Deer health may soon realize its potential in the coming years.

	DMAP		DMP	Antlerless Deer		
Year	Requested	Filled	3P Filled	Total	Over-wintering deer density	Yearling buck harvest
1999	10	5	23	28	21.6	11
2000	10	6	18	24	15.8	15
2001	20	9	16	25	19.3	7
2002	20	17	9	26	20.0	13
2003	20	4	9	13	N/A	15
2004	Application Denied		20	20	18.0	11
2005	10	10	7	17	17.6	5
2006	10	10	12	22	18.5	15
2007	20	17	8	25	22.0	13
2008	40	18	24	42	20.6	17
2009	30	19	19	38	17.0	6

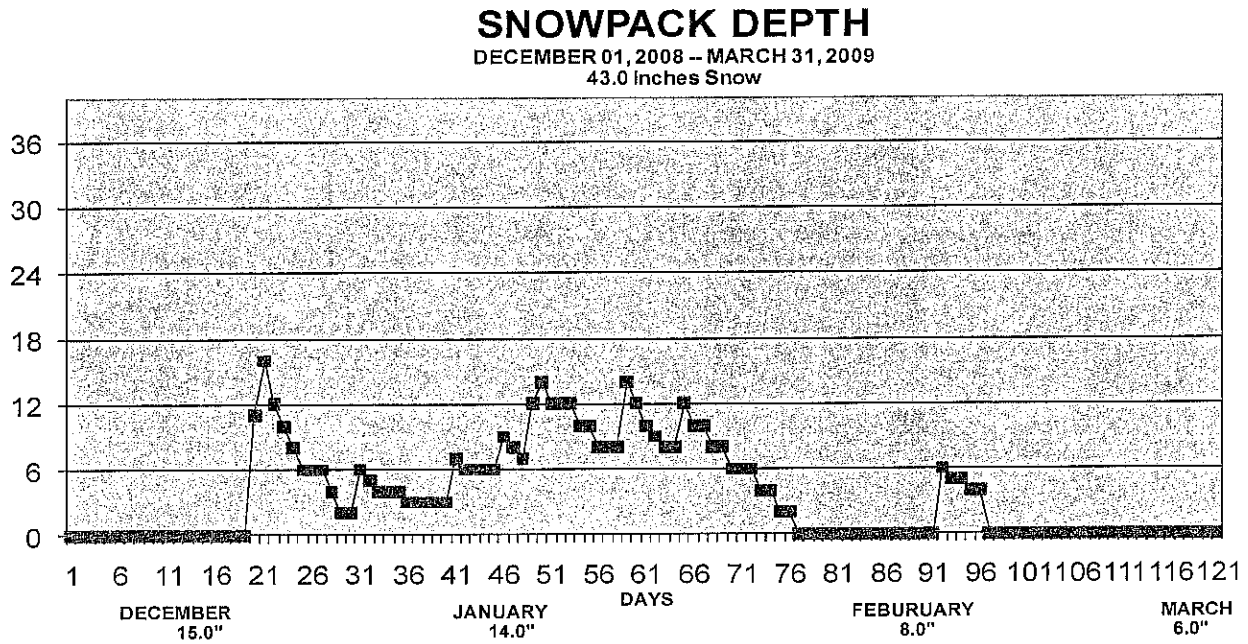
POPULATION TREND



BLACK ROCK FOREST
SNOW FALL
December 1, 2008 -- March 31, 2009

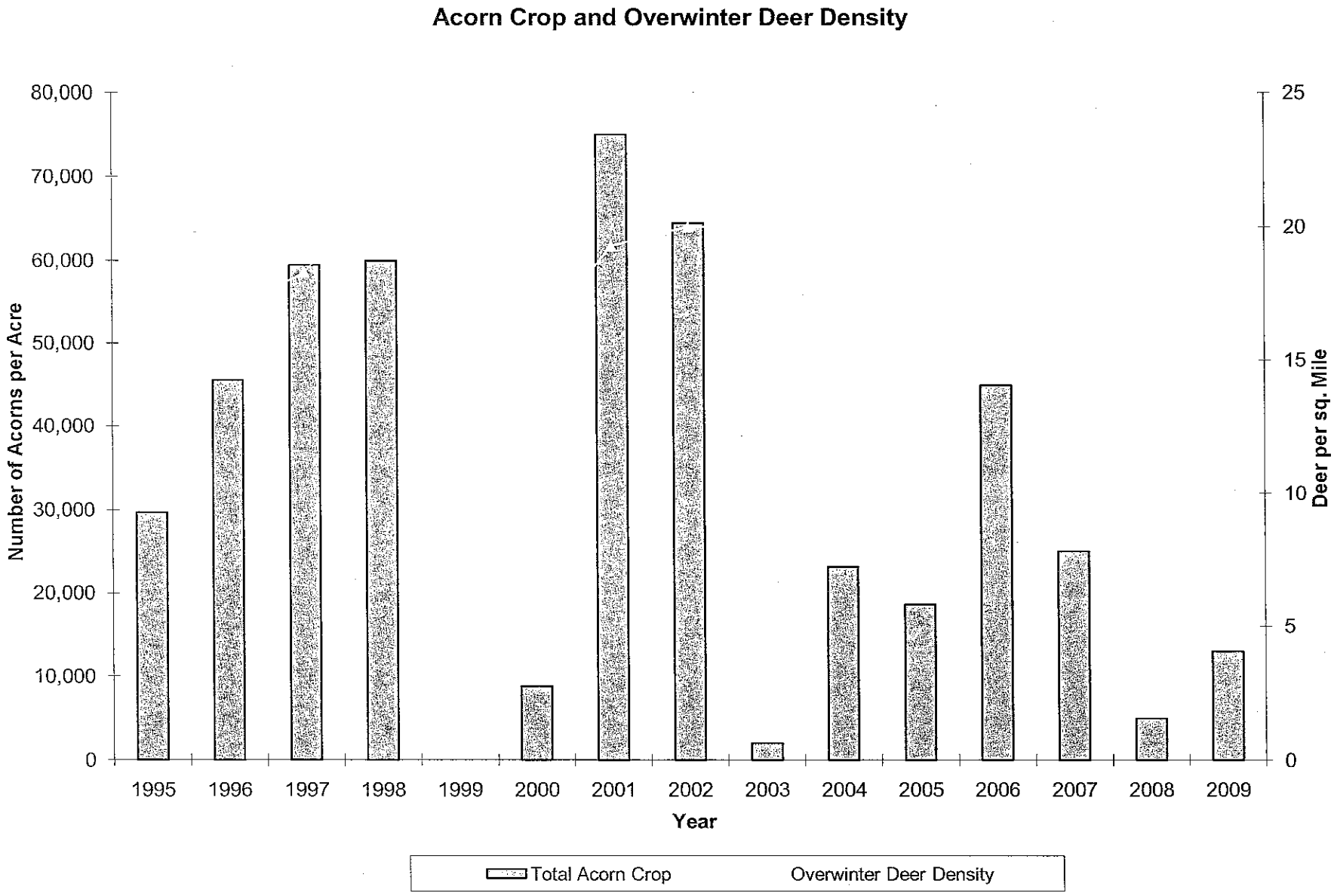
DECEMBER	JANUARY	FEBRUARY	MARCH
15.0"	14.0"	8.0"	6.0"

TOTAL – 43.0 INCHES



Snow Events
9 snow events
First Snow – Dec. 20, 2008
Last snow – Mar. 02, 2009
1 Events < 2"
2 Event 6"+
0 Events 12" +
Largest Snow Event – Dec. 20, 2008 (11")

Snow Pack
65 days snow cover
60 Continuous days
42 Days 6" +
10 Days 12" +
0 Days 18" +


Acorn Crop and Overwinter Deer Density
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Number of Acorns per Acre
25
20
15
10
5
0
Deer per sq. Mile
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
Year
Total Acorn Crop
Overwinter Deer Density

WINTER DEER TRACKING INDEX

YEAR	Tracking Events	Snowfall (inches)	Distance (miles)	# of Deer	Deer/Mile	# 0f Groups	Deer per Group	Min. Overwinter Deer Density (Deer per sq. mi.)
1995	5	18	37.1	181	4.9	56	3.2	14.8
**1996	5	109	40.1	267	6.6	86	3.1	16.8
1997	6	50	37.8	242	6.4	83	2.9	18.3
1998	5	26.5	37.3	325	8.7	98	3.3	21.5
1999	6	29.5	41.8	325	7.8	87	3.7	21.6
2000	8	32	85.1	341	4	144	2.4	15.8
2001	10	81	86.5	310	3.6	118	2.6	19.3
2002	2	22	28.8	204	7.8	67	3	20.0
2003	Due to early heavy snowfall, prolonged snowpack and low deer movement, tracking census was suspended.							
2004	6	71	92.3	291	3.2	113	2.6	18.0
2005	7	80	76.1	256	3.4	95	2.8	17.6
2006	10	53	80.6	319	4.0	137	2.5	18.5
2007	6	40.5	43	322	7.5	92	3.5	22.0
2008	5	48	54.5	277	5.1	93	3.0	20.6
2009	5	50	30.4	92	3.0	36	2.5	17.0

% OF TOTAL

GROUP	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
1 DEER	9	14	10	13	1	24	24	11		21	20	26	10	16	28
2 DEER	28	18	30	19	22	35	37	14		27	27	49	18	21	14
3 DEER	34	28	19	25	28	28	33	21		26	25	35	22	30	42
4 DEER	11	11	15	21	24	8	13	12		13	14	18	17	12	8
5 DEER	7	10	4	12	13	2	8	3		8	7	6	14	12	8
6 DEER	5	1	3	6	8	2	2	3		3	4	2	6	5	0
7 DEER	2	1	1	1	2	0	0	3		1	2	0	4	1	0
8 DEER	2	3	0	1	0	1	1	0		0	0	1	1	2	0
9 DEER	0		0		0	0	0	1		0	0	0	0	0	0
10 DEER	2		1		2	0	0	0		0	0	0	0	0	0
Deer/Mile	4.9	6.6	6.4	8.7	7.8	3.8	3.6	7		3.2	3.4	4	7.5	5.1	3
Avg. Deer/Group	3.2	3.1	2.9	3.3	3.7	2.4	2.6	3		2.6	2.8	2.5	3.5	3	2.5
Buck Take (1.5 yrs. +)	14	24	30	33	21	30	24	25	27	20	16	27	30	30	
TOTAL TAKE	25	24	47	58	48	50	49	51	40	40	33	49	55	72	

**SEE "1995-96 WINTER SERVERITY REPORT"

1984-2009 HARVEST DATA: FAWNS

YEAR	TOTAL FAWN HARVESTED	TOTAL ANTLERLESS TAKE (INCLUDES BB) (AND SUBLEGALS)	FAWNS AS % OF ANTLERLESS HARVEST	MALE		FEMALE	
				TOTAL HARVESTED	AVG DRESSED* WEIGHT (LBS)	TOTAL HARVESTED	AVG DRESSED WEIGHT (LBS)
1984	1	10	10%	0		1	50
1985	9	20	45%	6	56	3	48
1986	12	37	32%	8	45	4	33
1987	11	36	31%	7	38	4	44
1988	4	25	16%	1	44	3	49
1989	3	14	21%	3	55	0	0
1990	5	19	26%	3	56	2	48
1991	4	26	15%	3	59	1	52
1992	3	33	9%	1	48	2	40
1993	2	12	16%	1	46	1	48
1994	9	22	40%	4	65	5	53
1995	0	11	0%	0			
1996	NO ANTLERLESS TAKE						
1997	4	16	25%	3	53	1	48
1998	6	25	24%	3	55	3	51
1999	7	28	25%	4	45	3	43
2000	9	24	37%	6	45	3	46
2001	6	25	24%	4	48	2	41
2002	7	26	27%	5	54	2	54
2003	4	13	31%	3	55	1	44
2004	5	25	20%	3	53	2	39
2005	8	18	44%	3	46	5	42
2006	7	23	30%	5	60	2	54
2007	7	25	28%	2	51	5	51
2008	14	42	33%	4	49	10	46
2009	8	38	21%	4	49	4	53
TOTALS	155	593		86		69	
AVERAGE			26%		52		46

* DRESSED WEIGHT - Weight of animal with all internal body organs removed.
(Live weight calculaton = dressed weight x 1.25)

1994 - 2009 WHITE-TAILED DEER HARVEST REPORT

3 1/2 - 4 1/2 Year Old Males

Year	Total Males	Antler Point Class: Spike	3	4	5	6	7	8	9	10	Sub Legal	Average Points	Avg. Beam Dia. (mm)	Average Wt. (lbs.)	Freq. %
1994	7	0	0	1	1	2	0	3	0	0	0	6.4	23.1	124	44
1995	2	0	0	0	0	0	0	1	1	0	0	8.5	28.0	137	14
1996	1	0	0	0	0	0	0	0	0	1	0	10.0	26.0	138	4
1997	3	0	0	0	0	1	0	2	0	0	0	7.3	27.7	123	10
1998	5	0	0	0	0	1	1	3	0	0	0	7.4	28.6	137	15
1999	4	0	0	0	0	1	0	3	0	0	0	7.3	26.3	122	19
2000	4	0	0	1	0	0	1	2	0	0	0	6.7	21.7	113	13
2001	7	0	0	0	1	1	2	3	0	0	0	7.0	23.4	109	30
2002	9	0	0	1	1	1	2	3	0	1	0	7.0	26.4	117	36
2003	8	0	0	1	1	1	2	3	0	0	0	6.6	28.0	127	30
2004	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0
2005	4	0	0	0	0	2	0	1	0	1	0	7.5	25.3	115	25
2006	5	0	0	1	0	1	1	2	0	0	0	6.6	24.8	118	18
2007	6	0	0	0	1	0	1	2	1	0	1	7.4	28.2	134	20
2008	6	0	0	0	0	1	1	4	0	0	0	7.5	26.8	135	20
2009	4	0	0	0	0	1	2	1	0	0	0	5.3	26.0	119	25

FEMALE AGE CLASS IN YEARS

Year	TOTAL	Fawn	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5-9.5	10.5+	Unknown	% 3 1/2 yrs. +
1994	18	5	1	3	3	1	1	1	2	1	0	0	50
1995	11	0	2	3	2	3	0	1	0	0	0	0	54
1996	0	NO DOES TAKEN											
1997	13	1	1	4	2	1	1	0	1	0	0	0	45
1998	24	3	5	5	4	2	3	2	0	0	0	0	46
1999	21	3	4	8	3	1	1	1	1	1	1	0	43
2000	18	3	2	2	6	2	0	1	0	2	0	0	61
2001	21	2	1	7	5	2	1	0	2	0	0	1	50
2002	21	2	4	7	6	2	0	0	0	0	0	0	38
2003	10	1	3	4	1	0	0	0	0	1	0	0	20
2004	17	2	2	4	2	3	2	1	1	0	0	0	53
2005	14	5	0	2	2	1	1	2	1	0	0	0	57
2006	17	2	4	7	1	0	2	0	1	0	0	0	29
2007	23	5	2	8	4	1	0	0	1	2	0	0	35
2008	38	10	7	8	7	2	3	0	1	0	0	0	34
2009	34	4	7	11	4	4	3	1	0	0	0	0	33

1994 - 2009 WHITE-TAILED DEER HARVEST REPORT

YEARLING MALES

YEAR	TOTAL MALES	ANTLER POINT CLASS								SUB	AVG.	AVG BEAM	AVERAGE	FREQ.
		SPK	3	4	5	6	7	8	9	10	LEGAL	PTS.	DIA. (MM)	WT. (LBS)	%
1994	7	3	2	1	1	0	0	0	0	0	0	3.0	15.0	91	44
1995	10	6	0	2	1	1	0	0	0	0	0	3.1	16.3	91	72
1996	20	11	6	2	1	0	0	0	0	0	0	2.6	14.8	88	83
1997	16	8	3	3	1	0	0	0	0	0	0	2.8	15.5	87	53
1998	20	9	2	5	1	2	0	1	0	0	0	3.5	16.2	88	60
1999	11	3	1	7	0	0	0	0	0	0	0	3.4	16.3	89	52
2000	15	4	3	6	1	0	0	0	0	0	1	3.2	15.1	84	50
2001	7	5	0	1	0	0	0	0	0	0	1	2.3	16.0	90	29
2002	13	6	1	3	2	0	0	0	0	0	1	3.1	17.7	88	52
2003	15	5	1	1	2	5	0	0	0	0	0	4.5	16.7	90	55
2004	11	4	0	1	1	0	0	0	0	0	5	2.8	14.8	80	55
2005	5	2	0	2	0	0	0	0	0	0	1	3.0	14.0	75	31
2006	15	7	1	2	3	1	0	0	0	0	0	3.2	15.3	89	56
2007	13	6	2	2	1	2	0	0	0	0	0	3.3	16.5	91	43
2008	17	9	1	4	0	0	0	0	0	0	1	2.6	14.7	91	57
2009	6	2	0	2	1	0	0	0	0	0	1	3.4	14.4	88	37

2 1/2 YEAR OLD MALES

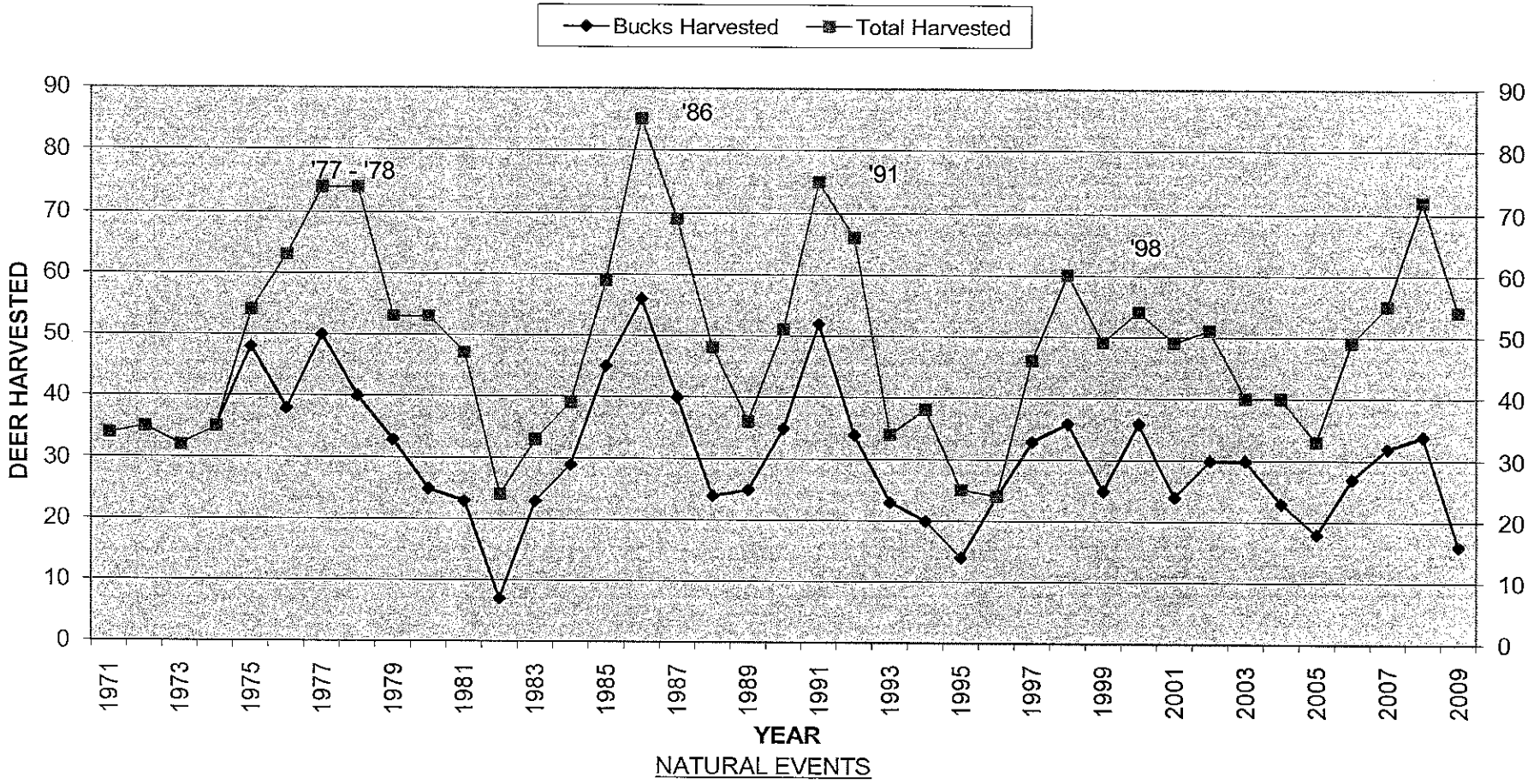
YEAR	TOTAL MALES	ANTLER POINT CLASS								SUB	AVG.	AVG BEAM	AVERAGE	FREQ.
		SPK	3	4	5	6	7	8	9	10	LEGAL	PTS.	DIA. (MM)	WT. (LBS)	%
1994	2	0	0	1	1	0	0	0	0	0	0	4.5	20.0	122	12
1995	2	0	1	0	0	0	0	1	0	0	0	5.5	22.0	118	14
1996	2	0	0	1	1	0	0	0	0	0	0	4.5	21.5	119	8
1997	11	2	0	1	0	3	2	3	0	0	0	5.8	21.4	109	37
1998	8	0	0	1	2	1	2	2	0	0	0	6.3	23.1	115	24
1999	6	0	1	0	1	2	0	2	0	0	0	6.0	22.5	111	29
2000	11	0	0	3	1	6	0	1	0	0	0	5.5	20.7	106	37
2001	10	1	0	2	1	4	2	0	0	0	0	5.7	20.0	95	41
2002	3	0	0	0	1	2	0	0	0	0	0	5.7	21.7	103	12
2003	4	0	0	1	0	0	3	0	0	0	0	6.3	22.8	105	15
2004	9	1	0	3	0	3	2	0	0	0	0	5.1	20.9	106	45
2005	7	2	0	1	0	0	1	2	0	0	0	5.2	20.2	108	44
2006	7	1	0	0	3	1	0	2	0	0	0	5.6	23.6	111	26
2007	11	0	1	4	0	3	1	2	0	0	0	5.6	22.4	104	37
2008	7	0	1	4	0	0	1	1	0	0	0	4.9	20.7	107	23
2009	6	0	1	1	0	3	1	0	0	0	0	5.3	21.6	113	37

POPULATION RECONSTRUCTION BY AGE CLASS FOR DEER KNOWN TO HAVE BEEN HARVESTED

YEAR OF BIRTH	1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		MIN POP KNOWN		TOTAL	AGE AS OF FALL 2009 (yrs.)
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
1999	4	3	15	2	10	7	7	6	3	0	0	2	0	2	0	1	0	1	0	0	0	0	39	24	63	10.5
2000			6	3	7	1	3	7	5	1	0	3	0	1	0	0	0	1	0	0	0	0	21	17	38	9.5
2001					4	2	13	4	4	4	0	2	0	1	0	2	0	0	0	1	0	0	21	16	37	8.5
2002							5	2	15	3	9	4	4	2	0	0	0	0	0	0	0	0	33	11	44	7.5
2003									3	1	11	2	7	2	5	1	2	1	0	3	0	1	28	11	39	6.5
2004											3	2	5	0	7	7	4	4	2	2	0	3	21	18	39	5.5
2005													3	5	15	4	11	8	4	7	0	4	33	28	61	4.5
2006															5	2	13	2	7	8	4	4	29	16	45	3.5
2007																	2	5	17	7	6	11	25	23	48	2.5
2008																			4	10	6	7	10	17	27	1.5
2009																					4	4	4	4	8	FAWN
															TOTAL								264	185	449	

*The data represents the population compositon each year at the time fawns were born.

BUCK HARVEST VS TOTAL HARVEST
1971 - 2009



NATURAL EVENTS

1981 - Gypsy Moth Defoliation 90%

1986 - Gypsy Moth Defoliation 70%

1992 - No Mast

1993 - March 13 - 14 Blizzard

1997 - 108" Snow

1999 - Drought, No Mast

2000 - Poor Mast

2001 - 81" Snow

2003 - No Mast, 90" Snow

2004 - Wooly Adelgid Infestation - Hemlock Mortality over 50%

2005 - Poor Mast

2008 - Low Mast

2008 - Dec. 12 Ice Storm

DEER HARVEST
1970 - 2009

DATE	BUCK	DOES	TOTAL HARVEST
1970	24	0	24
1971	34	0	34
1972	35	0	35
1973	32	0	32
1974	35	0	35
1975	48	6	54
1976	38	25	63
1977	50	24	74
1978	40	34	74
1979	33	20	53
1980	25	28	53
1981	23	24	47
1982	7	17	24
1983	23	10	33
1984	29	10	39
1985	45	14	59
1986	56	29	85
1987	40	29	69
1988	24	24	48
1989	25	11	36
1990	35	16	51
1991	52	23	75
1992	34	32	66
1993	23	11	34
1994	20	18	38
1995	14	11	25
1996	24	0	24
1997	33	13	46
1998	36	24	60
1999	25	24	49
2000	36	18	54
2001	28	21	49
2002	30	21	51
2003	30	10	40
2004	23	17	40
2005	19	14	33
2006	27	22	49
2007	32	23	55
2008	34	38	72
2009	20	34	54

JLK 8/10/09

New York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources

Deer Management Assistance Program

Application - No Fee
Postmark Deadline - September 1

OFFICE USE ONLY		
REG	YEAR	ID NUMBER
NEW ☐	RENEWAL ☐	

Check One: ☐ New Application ☐ Renewal **without** Changes ☑ Renewal **with** Changes

APPLICANT INFORMATION	Telephone # Home	Name (Person representing Landowner - if different)	Telephone # Home
Name (Landowner # 1, club, cooperative or municipality): BLACK ROCK FOREST	(845) 534-4517	JOHN BRADY	(845) 496-3019
Address: 129 CONTINENTAL ROAD	Telephone # Work ( )	Address: 87 WOODCOCK MTN. ROAD	Telephone # Work ( )
City/State/Zip Code: CORNWALL N.Y. 12518		City/State/Zip Code: WASHINGTONVILLE N.Y. 10992	

APPLICATION CATEGORY (Check one)	☐ Agricultural	☐ Municipality	☐ Significant Natural Communities	☑ Forest Regeneration	☐ Custom Deer Management
Minimum Acreage	0	0	0	100	1000
Management Plan Required	No	Yes	Yes	Yes	Yes

- When required, the applicant must attach a written deer management plan stating their deer management objectives and why they cannot be met through the use of existing deer seasons and deer management permits.

LAND AREA/LOCATION INFORMATION

County(s)	Town(s)	WMU(s)	Farm Service Agency or Tax Map ID Number	Total Acres
ORANGE	CORNWALL - HIGHLAND	3P	4212 Pg. 062	3,785

- Totals and Types of Acreage:

CROPS	FOREST/WOODS/BRUSH	OTHER
____ acres ____ type	3600 acres FOREST type	185 acres PONDS type
____ acres ____ type	____ acres ____ type	____ acres ____ type

REASON FOR DMAP

IF AGRICULTURAL:

Nature and extent of problem: _____

Methods which have been used to control problem: _____

Status of problem in recent years: ☐ Improved ☒ Same ☐ Worse

RECENT HUNTING AND DEER TAKE

Number of hunters who hunted the area last year: 199

Number of deer taken off the lands during the last three deer seasons?

Year	Bucks	Antlerless Deer	Total
'08	34	38	72
'07	32	23	55
'06	32	17	49

- Have nuisance deer tags or DMAP tags been requested or issued recently?

Year	Nuisance	DMAP	If issued # of tags	If issued # deer taken
'08	☐	☒	40	18
'07	☐	☒	20	14
'06	☐	☒	10	10

HUNTER NEEDS/INTEREST (Check all that apply)

☐ Would you like your name and phone number made available to hunters interested in hunting DMAP properties?

☒ Would you like the names and phone numbers of hunters interested in hunting DMAP properties?

Number of DMAP Tags requested? THIRTY (30)

MULTIPLE LANDOWNER INFORMATION

- All additional landowners/properties included in this DMAP application must be listed below. Attach additional pages if needed.

Name (Landowner #2,club,cooperative or municipality)			Name Landowner (#3,club,cooperative or municipality)		
Address			Address		
City/State/Zip Code			City/State/Zip Code		
Telephone Number ( )	#Acres	FSA or Tax Map ID Number	Telephone Number ( )	#Acres	FSA or Tax Map ID Number
Name (Landowner #4,club,cooperative or municipality)			Name (Landowner #5,club,cooperative or municipality)		
Address			Address		
City/State/Zip Code			City/State/Zip Code		
Telephone Number ( )	#Acres	FSA or Tax Map ID Number	Telephone Number ( )	#Acres	FSA or Tax Map ID Number

Applicant Agreement/Certification: Pursuant to Section 11-0903 of the Environmental Conservation Law (ECL) I hereby apply for a Deer Management Assistance Program permit as authorized by the ECL, Rules and Regulations, and as instructed. I affirm by the signature below, under penalty of perjury, that I understand the laws, regulations and instructions and that the information contained on this application is true to the best of my knowledge and belief. (False statements made herein are punishable as misdemeanors pursuant to Section 11-0921 of the ECL and Section 210.45 of the Penal Law). I further understand that I am responsible for ensuring permit use and reporting procedures are adhered to.

LANDOWNER #1 SIGNATURE	DATE	SIGNATURE OF PERSON REPRESENTING LANDOWNER	DATE
		JOHN E. BRADY	8/11/09
LANDOWNER #2 SIGNATURE	DATE	LANDOWNER #3 SIGNATURE	DATE
LANDOWNER #4 SIGNATURE	DATE	LANDOWNER #5 SIGNATURE	DATE

E-mail address of applicant _____

NYS DEC USE ONLY

❑ Failure to comply with previous DMAP conditions (i.e. return summary card) _____

❑ Management Plan submitted when required.

Availability of DMP's in the WMU (% of applicants expected to receive permits)

_____ First DMP's _____ Second DMP's

DMAP Approved ❑ Yes ❑ No	Number of tags issued _____
Notes _____	Range _____ to _____

DEC Field Inspector	DEC Application Reviewer	Date

LAND AREA / LOCATION INFORMATION: *(Required)*

Either the Farm Service Agency or Tax Map ID Number of the property must be included on the completed application. Only the lands identified on the application will be valid for DMAP permit use.

REASON FOR DMAP:

If Agricultural Damage: Please complete the sections relating to the problem, methods used in the past and current status.

RECENT HUNTING AND DEER TAKE:

Complete this section based on your best recollection if a written record is not available.

HUNTER NEEDS/INTEREST:

If you wish to have your name made available to hunters or would like the names of interested hunters, complete this section.

Number of DMAP Tags Requested: No limit for agricultural, significant natural communities or municipal damage applicants (consider the number of hunters available). One tag per 50 acres for forest management and custom management applicants, except at the discretion of the Regional Wildlife Manager.

Indicate how many tags you are requesting up to the 1/50 threshold or explain why you need more. Remember that only 2 tags may be used per hunter per year statewide.

MULTIPLE LANDOWNER INFORMATION:

If the land indicated on the application is held by more than one owner, each landowner must complete and sign this section. An applicant who leases lands must include the landowner information and signatures for those parcels. Additional sheets may be attached.

(1) Persons applying under the agricultural category who have separated parcels and who wish to have more than one agent administering DMAP on those separate parcels, should submit a separate application for each.

(2) Persons applying under the agricultural category may include lands adjacent to and contiguous with the lands on which the damage is occurring. Each additional landowner must complete and sign this section.

(3) Forest owners with a qualifying management plan but less than 100 acres may meet the minimum requirement by including lands adjacent to and contiguous with their property. Adjacent lands included do not need a forest management plan. Parcels of less than 100 acres may also be considered, if enrolled in the Real Property Tax Law Section 480a program. Each additional landowner must complete and sign this section.

REMEMBER TO SIGN AND DATE THE APPLICATION!

Submit your completed and signed application to your nearest DEC regional wildlife office:		**Att: DMAP** **NYSDEC (Region 5)** **Route 86, PO Box 296** **Ray Brook, NY 12977-0296**	**Att: DMAP** **NYSDEC (Region 8)** **6274 E. Avon-Lima Rd** **Avon, NY 14414-9519**
Att: DMAP **NYSDEC (Region 1)** **Loop Road, Building 40** **Stony Brook, NY 11790-2356**	**Att: DMAP** **NYSDEC (Region 4)** **1150 Westcott Rd.** **Schenectady, NY 12306-2014**	**Att: DMAP** **NYSDEC (Region 6)** **317 Washington Street** **Watertown, NY 13601-3787**	**Att: DMAP** **NYSDEC (Region 8)** **7291 Coon Rd** **Bath, NY 14810-9728**
Att: DMAP **NYSDEC (Region 3)** **21 South Putt Corners Rd** **New Paltz, NY 12561-1696**	**Att: DMAP** **NYSDEC (Region 4)** **65561 State Hwy 10 Suite 1** **Stamford, NY 12167-9503**	**Att: DMAP** **NYSDEC (Region 7)** **1285 Fisher Avenue** **Cortland, NY 13045**	**Att: DMAP** **NYSDEC (Region 9)** **182 E Union St** **Allegany, NY 14706**

New York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources

DMAP APPLICATION INSTRUCTIONS

Postmark Deadline - September 1

The Deer Management Assistance Program (DMAP) offers landowners and land managers opportunities to improve deer management on the lands they own or control. In order to enroll in the program, the applicant must submit a **complete** application by the **September 1**. Please use the following instructions to help ensure your application is complete, and ready for processing by Department Wildlife Managers.

APPLICANT INFORMATION: *(Required)*

New or Renewal: Indicate by checking the appropriate box whether this is a new (first time) application, a renewal of last years with no changes or a renewal of last years with changes in the area included. If you applied last year and were denied a permit, consider this a new application. *Applications may be rejected based on failure to report the results of previous DMAP permits in a timely manner.*

Name: In the first "Name" block, indicate the name of the landowner, club, cooperative or municipality that is seeking a DMAP permit. In the second "Name" block, indicate the name of the person (if different) who will be responsible for administering the DMAP permit on site. All correspondence will be sent to this individual. Additional landowners/properties may be included on the reverse side of the application.

APPLICATION CATEGORY: *(Required)*

Check the appropriate box.

Agricultural: Lands on which a crop is being damaged, including Christmas trees and nurseries. To qualify, damage must be documented by the Department. Deer damage that has been documented in the past three years will be considered ongoing. Un-documented damage will be verified by the Department as time permits. For multiple parcels which are separated, see "(1)" under the *Multiple Landowner Information* section of these instructions. Lands adjacent to areas with agricultural damage may also be included. See "(2)" under the *Multiple Landowner Information* section of these instructions.

Municipality:* An incorporated town, village or city that has a documented deer problem and a Department approved plan for deer management.

Significant Natural Communities:* Lands on which deer damage to significant natural communities has or can be documented by the Department or described within the New York Natural Heritage Program's Biological and Conservation Database. Such damage must be identified in an existing land management plan for the property.

Forest Regeneration:* Lands of at least 100 contiguous acres in one or more parcels on which deer are negatively impacting forest regeneration. Such impact must be documented in an existing forest management plan for the property. Two or more landowners may combine forest acreage to meet the minimum size requirement. See "(3)" under the *Multiple Landowner Information* section of these instructions.

Custom Deer Management:* Lands of at least 1000 contiguous acres on which a deer management plan has been established for improved deer herd management. Custom deer management includes strategies such as quality deer management (QDM), trophy management, and other programs which attempt to balance age structure, sex ratios and forage availability.

Management Plan Required: For municipal, significant natural communities, and forest regeneration an existing plan should identify the deer problem. For custom deer management, a plan which clearly describes the management goals and how progress will be evaluated is required. The Regional Department Wildlife Manager can provide a management plan outline to applicants to help them meet this requirement.

Black Rock Forest Consortium

American Museum of Natural History • Barnard College • The Browning School • The Calhoun School
Central Park Conservancy • Columbia University • Cornwall Central School District • The Dalton School
Hunter College • Marine Biological Laboratory -The Ecosystems Center • Metropolitan Montessori School
New York City Department of Parks & Recreation • New York-New Jersey Trail Conference • New York City PS/IS 311
New York University • Newburgh Enlarged City School District • The School at Columbia University • The Spence School
Storm King School • Trevor Day School • Urban Assembly for Applied Math and Science

2009 TOWN OF CORNWALL-ON-HUDSON DEER HARVEST

An interesting research opportunity has developed in the Village of Cornwall-on-Hudson. In recent years, whitetail deer have become over-abundant and Village citizens have become concerned about their impacts on manicured landscapes, forest regeneration, and human health and safety. A Citizens Task Force was formed, which successfully proposed a fall bow hunt, with the potential to yield biological data on the deer population.

This situation interested Barnard College student Laura Diefenbach to analyze the population and the effectiveness of hunting as a control measure. Comparisons will be made between deer populations in the Village and Black Rock Forest, which have similar topography and soils but are effectively divided by Route 9W and its concrete median. The Forest on the west has had a hunting heritage for over a century, while the Village on the east, with many human dwellings, has had no deer control aside from deer-exclosure fencing.

Laura began her study last winter, supported by Forest staff, by assessing deer density. Using the deer pellet-count method before fawns were born in the spring, Village density estimates averaged 79 deer per square mile compared to 28 at BRF. New fenced exclosures were then constructed, excluding deer from study plots in both field and forest areas in the Village. Forest regeneration and species composition will be compared over time with exclosures in the Black Rock Forest.

In December, after a successful and safe bow hunt, biology data collection began. Thirty four deer were harvested- 26 does and 8 bucks- approximately 20 % of the herd. Harvested animals were measured for body weight, antler diameter and teat length, along with the determination of sex and age. Measurements were grouped to analyze health by age class and sex.

The youngest deer taken in the Village had body weights below 50 lbs, dangerously low for surviving the winter. Males aged 16-18 months averaged 75 lbs compared to 90 lbs in the Forest, indicating the Village deer are not reaching their yearling potential. Antler diameter one inch above the base ranged from 14-17 mm at BRF, but Village yearlings did not have enough antler growth to measure. Yearling antler development is largely a function of diet. The demands of a growing body use calcium and other minerals first and antler growth is secondary. The lack of measureable antlers indicates probable lack of adequate nutrition. The four yearling females mirrored the males with low body weights of 56-74 lbs and there was a complete lack of reproduction from this age class.

The physical state of the nine 2 ½ year old females re-enforced the yearling evaluation: only two had teats over 10 mm, indicating suckling of young. But this age class did show reproductive potential, with average weights of 85 lbs. The remaining eleven adult does represented age classes up to 9 ½ years, and all were of good weight and reproducing.

In conclusion, the data demonstrated high reproductive potential for females between 2 ½ - 6 ½ years. But fawns and yearlings showed signs of physical and social stress, suggesting deteriorated habitat which may eventually compound the herd's difficulties by affecting the timing of breeding and birthing seasons. Skin tumors were observed on two yearlings. These are sometimes called "warts", are specific to deer, and are considered no threat to human health. The multiple occurrences may be due to close proximity of the deer, which can increase transmission of diseases and parasites.

Ms Diefenbach and forest staff will continue to study "deer over-abundance" and evaluate hunting as a control method.

John Brady, Forest Manager

2009 TOWN OF CORNWALL J-HUDSON DEER HARVEST

DEER TAKEN: 34 BUCKS: 8 DOES: 26

BUCKS (8)

AGE	WEIGHT (.lbs)	BEAM (mm)	POINTS
FAWNS (1)			
5 months	54	------	------
YEARLINGS (4)			
1 yr. 5 months	72 sub legal		------
1 yr. 6 months	68 sub legal		------
1 yr. 7 months	80 sub legal		------
1 yr. 7 months	82 sub legal		------
2 1/2 (3)			
2 1/2	100	21	6
2 1/2	110	21	5
2 1/2	144	26	7

DOES (26)

AGE	DRESSED WEIGHT (.lbs)	TEETS LENGTH (mm)	COMMENTS
FAWNS (3)			
5 - 6 months	34	------	
6 months	30	------	With 2 others
6 months	40	------	With 2 others
YEARLINGS (5)			
1 yr. 5 months	56	7	
1 yr. 5 months	62	6	
1 yr. 5 months	66	7	
1 yr. 6 months	70	6	Alone
1 yr. 7 months	74	14	Traveling with others
2 1/2 (9)			
2 1/2	72	5	
2 1/2	78	7	
2 1/2	82	10	With 3 others
2 1/2	84	16	
2 1/2	84	8	
2 1/2	86	15	
2 1/2	87	8	
2 1/2	92	11	Alone
2 1/2	94	10	
3 1/2 (4)			
3 1/2	87	12	With 2 fawns
3 1/2	128 (live)	10	
3 1/2	76	13	
3 1/2	86	17	
4 1/2 (1)			
4 1/2	96	17	With 2 others, Live weight 146 .lbs
5 1/2 (1)			
5 1/2	94	18	
6 1/2 (1)			
6 1/2	118 (live)	12	With 2 others
7 1/2 (1)			
7 1/2	84	18	
8 1/2 - 9 1/2 (1)			
8 1/2 - 9 1/2	68	11	