

DEER HARVEST REPORT 2000 THE BLACK ROCK FOREST

THE SEASON

November 20 to December 12

The Fall of the year 2000 provided ideally seasonable weather for hunting. Skies were usually clear with A.M. temperatures ranging from 10^o to 20^o F, and P.M. temps ranged from 20^o to 40^o F. Three weather events during the 23 day season consisted of heavy rain on Sunday, Nov. 26 and two light snow events on Nov. 30 and Dec. 8 which enhanced hunting conditions.

The Palisades Interstate Park property, neighboring BRF, was closed to deer hunting the second year in a row due to the fires of the summer of 1999.

During the 23-day season 174 members from the Black Rock Fish & Game Club hunted at the forest, visiting 569 times. Hunters harvested 33 bucks and 17 does, totaling 50 deer.

ZONE	ACRES	HUNTER	HUNTER	HARVEST	
		CAPACITY	DAYS	BUCKS	DOES
I	450	12	66	10	2
II	520	15	80	5	4
III	450	13	76	1	2
IV	460	16	92	8	2
V	400	11	74	3	2
VI	500	16	106	1	2
VII	150	7	29	2	0
VIII	330	11	101	3	3
Sanctuary IX	220	0	0	0	0
Mineral Springs	120	6	16	0	0
TOTALS	3600	106	640	33	17

SEASON HUNTING PRESSURE AND SUCCESS RATE

YEAR	PERMITS	HUNTERS	DMU#3P	VISITS PER		SUCCESS RATE	
			PERMITS	VISITS	HUNTER	BUCKS	DMU TOTAL
1993	395	186	90	577	3.1	12%	13% 18%
1994	434	198	110	619	3.1	8%	20% 19%
1995	351	190	86	543	2.8	7%	13% 13%
1996	275	153	72	384	2.5	16%	0% 16%
1997	369	164	52	515	3.1	18%	30% 28%
1998	489	203	101	670	3.3	16%	25% 29%
1999	453	201	127	640	3.2	10%	22% 24%
2000	418	174	102	569	3.2	16%	26% 29%

OPENING DAY - NOVEMBER 22

ZONE	HUNTER	HARVEST		
	CAPACITY	HUNTERS	BUCKS	DOES
I	12	12	2	0
II	15	11	4	1
III	13	13	0	0
IV	16	18	5	0
V	11	13	1	0
VI	16	16	1	0
VII	7	6	2	0
VIII	11	11	2	0
Mineral Springs	6	1	0	0
TOTALS	106	101	17	1

OPENING DAY HUNTING PRESSURE AND SUCCESS RATES

YEAR	PERMITS	HUNTERS	HARVEST		SUCCESS RATE		% OF TOTAL BUCK HARVEST
			BUCK	DOE	BUCKS%		
1993	68	97	13	0	13	56	
1994	64	109	10	1	11	50	
1995	63	102	8	1	8	57	
1996	64	91	12	0	13	50	
1997	57	86	14	0	16	42	
1998	72	100	19	2	19	57	
1999	68	101	12	6	12	57	
2000	71	111	17	1	15	55	

Deer Harvest Report 1999 continued...

THE DEER

The harvest produced 54 kills.

- | | | |
|-----------------------------|----------|---------|
| 1) Rifle Season – 50 Deer | 33 Bucks | 17 Does |
| 2) Bow Season -- 1 Deer | 1 Buck | |
| 3) Road Kills (9W) – 3 Deer | 2 Bucks | 1 Doe |

Bucks: (36)

Fawns: (6)

The six button bucks that were harvested ranged from 36 to 54 lbs., averaging 45 lbs. Since 1984, 53 fawn bucks, have been harvested, averaging a weight of 50 lbs. This years fawn weights can be considered below healthy but not critical.

Yearlings (15)

This age class displayed the effects of the drought of 1999 and lack of acorns during the past winter. Average yearling weights were at a 15 year low of 84 lbs. (Yearly averages ranged from 86 lbs. To 94 lbs. Since 1984). Antler beam diameter dropped proportionately with weights, 16.3 mm in 1999 to 15.1 mm. Both average weights and beam diameter measurements dropped 7% from the 1999 harvest. Antler points remained consistent with past years, averaging 3.2 points per yearling deer. The harvest included the first sub-legal deer since 1993. A sub-legal deer is classified as a buck with antler's less than 3 inches in length. These deer in common proportions of the buck harvest may indicated severe problems in herd health, isolated incidents such as this is regarded as a reinforcing factor as to the validity of decrease in beam diameter and weights.

Adults (15)

The ratio of yearling to adult (2 ½ + yrs) of 1:1 is considered very desirable to herd socialability, health, and hunter satisfaction. Yet this age group of 11 – 2 ½ yrs old and 4 – 3 ½ yrs old displayed the same reductions of weights and antler beam diameter, as did the yearling age class.

AGE YEARS	TOTAL	MALES(BUCKS)						ANTLER POINT CLASS						SUB LEGAL		
		ANTER BEAM (mm)			WEIGHT (lbs)			Spike	3	4	5	6	7		8	
		2000	RANGE (low - hi)	1999	2000	RANGE (low - hi)	1999									
Fawn	6				45	45										
1.5	15	15.1	(10 - 20)	16.3	84	(78 - 100)	89	4	3	6	1	0	0	0	0	1
2.5	11	20.7	(18 - 24)	22.5	106	(92 - 132)	111	0	0	3	1	6	0	0	0	0
3.5-4.5	4	21.7	(19 - 27)	26.3	113	(96 - 136)	122	0	0	1	0	0	1	2	0	0
Totals	36				Totals			4	3	10	2	6	1	2		1

Does (18)

A strong component of healthy 3 ½ years' olds averaging a weight of 91 lbs. Demonstrate a positive reproduction potential. Fawn and yearling body conditions mirrored that of the males.

YEAR	Fawn	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	10.5	%	Total
2000	3	2	2	6	2	0	1	0	2	0	61%	18
Avg. Wt. (lbs.)	46	75	80	91	87		87		87			

Conclusion

Biological Measurements of carcasses during the hunting season are a picture in time of the herd's health entering the winter months. All indications reveal a slightly physically unhealthy population. This may be compensated by the number of deer, as harvest numbers (53) were at the 30-year average (48).

The sample of does taken demonstrates an adequate age structure (61% -- 3 1/2 +) with good reproductive potential.

Deer Management Assistance Program (DMAP)

The second year of this DEC program, BRF was again granted 10 permits. These antlerless Deer permits were signed-out 89 times resulting in the harvesting of 6 antlerless deer. This program has become popular with hunters, as it creates more hunting options and keeps them in the woods.

Management Experiment – Zone VI

The first year of a voluntary restrictive harvest of bucks 4 points or better and no does, resulted in the taking of one 8-point buck and two does (one female fawn and one 8 1/2 - 9 1/2 year old).

New Maps

New zone maps have been developed by Kerri Barringer of Brooklyn Botanic Garden. The latest edition of these individual zone maps display, 10 meter contour lines, points of elevation in feet, parking areas and road directions, stone walls, trails, acreage and hunter capacity. These maps will continue to be modified and be available next hunting season.

Bow and Muzzle Loading Seasons

Bow Hunting – Oct. 15 through Nov. 19
Dec. 13 through Dec. 17

Muzzle Loading - Dec. 13 through Dec. 19

These hunting seasons are by written permission only.

Results – One 4 point Buck was taken during Early Bow Season.
12 Permits were issued.

**BLACK ROCK FOREST
BOW – MUZZELOADER HUNTING PERMIT**

Name: _____
Address: _____
Phone: _____
Affiliation: _____

GUIDELINES

1. Discuss hunting areas with Forest Manager
2. Permit must be in possession while hunting.
3. Maintain a daily hunting log including date, time, and area and wildlife sightings.
4. NO GUESTS.
5. Failure to follow any rules declares forfeit of bow and muzzleloader hunting privileges at Black Rock Forest.

Has met with Forest Manager and is advised to pertaining Black Rock Forest Rules and Regulations concerning bow and muzzleloader deer hunting adhering to NYS DEC laws.

Forest Manager

Hunter
Issue Date: _____
Expiration Date: _____

1990-2000 WHITE-TAILED DEER HARVEST REPORT

YEARLING MALES

YEAR	TOTAL MALES	SPK	ANTLER POINT CLASS										SUB LEGAL	AVG. PTS.	AVG. BEAM DIA. (MM)	AVERAGE WT. (LBS)	FREQ. %
			3	4	5	6	7	8	9	10							
1990	17	5	5	3	2	2	0	0	0	0	0	0	0	3.5	16.3	88	56
1991	31	14	3	11	1	1	1	0	0	0	0	0	0	3.2	16.6	94	63
1992	20	6	3	7	1	3	0	0	0	0	0	0	0	3.7	16.7	86	61
1993	15	9	2	1	0	1	0	0	0	0	0	2	2.6	14.7	89	68	
1994	7	3	2	1	1	0	0	0	0	0	0	0	3.0	15.0	91	44	
1995	10	6	0	2	1	1	0	0	0	0	0	0	3.1	16.3	91	72	
1996	20	11	6	2	1	0	0	0	0	0	0	0	2.6	14.8	88	83	
1997	16	8	3	3	1	0	0	0	0	0	0	0	2.8	15.5	87	53	
1998	20	9	2	5	1	2	0	1	0	0	0	0	3.5	16.2	88	60	
1999	11	3	1	7	0	0	0	0	0	0	0	0	3.4	16.3	89	52	
2000	15	4	3	6	1	0	0	0	0	0	0	1	3.2	15.1	84	50	

2 1/2 YEAR OLD MALES

YEAR	TOTAL MALES	SPK	ANTLER POINT CLASS										SUB LEGAL	AVG. PTS.	AVG. BEAM DIA. (MM)	AVERAGE WT. (LBS)	FREQ. %
			3	4	5	6	7	8	9	10							
1990	13	0	1	2	1	4	1	4	0	0	0	0	0	6.1	21.6	105	40
1991	14	0	0	2	1	6	1	4	0	0	0	0	0	6.3	21.8	112	28
1992	7	0	0	1	4	0	1	1	0	0	0	0	0	5.6	20.9	110	21
1993	5	1	1	1	0	2	0	0	0	0	0	0	4.2	18.4	103	23	
1994	2	0	0	1	1	0	0	0	0	0	0	0	4.5	20.0	122	12	
1995	2	0	1	0	0	0	0	1	0	0	0	0	5.5	22.0	118	14	
1996	2	0	0	1	1	0	0	0	0	0	0	0	4.5	21.5	119	8	
1997	11	2	0	1	0	3	2	3	0	0	0	0	5.8	21.4	109	37	
1998	8	0	0	1	2	1	2	2	0	0	0	0	6.3	23.1	115	24	
1999	6	0	1	0	1	2	0	2	0	0	0	0	6.0	22.5	111	29	
2000	11	0	0	3	1	6	0	1	0	0	0	0	5.5	20.7	106	37	

1990 - 2000 WHITE-TAILED DEER HARVEST REPORT

3.5 - 4.5 YEAR OLD MALES

Year	Total Males	Spike	3	Antler Point Class							Sub Legal	Average Avg. Beam Points Dia. (mm)	Average Wt. (lbs.)	Freq. %	
				4	5	6	7	8	9	10					
1990	1	0	0	0	1	0	0	0	0	0	0	5.0	22.0	94	3
1991	4	0	0	0	0	1	1	1	0	1	0	7.8	24.3	117	8
1992	6	0	0	0	1	1	1	3	0	0	0	7.0	26.3	140	18
1993	2	0	0	0	0	0	1	1	0	0	0	7.5	23.5	126	9
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

FEMALE AGE CLASS IN YEARS

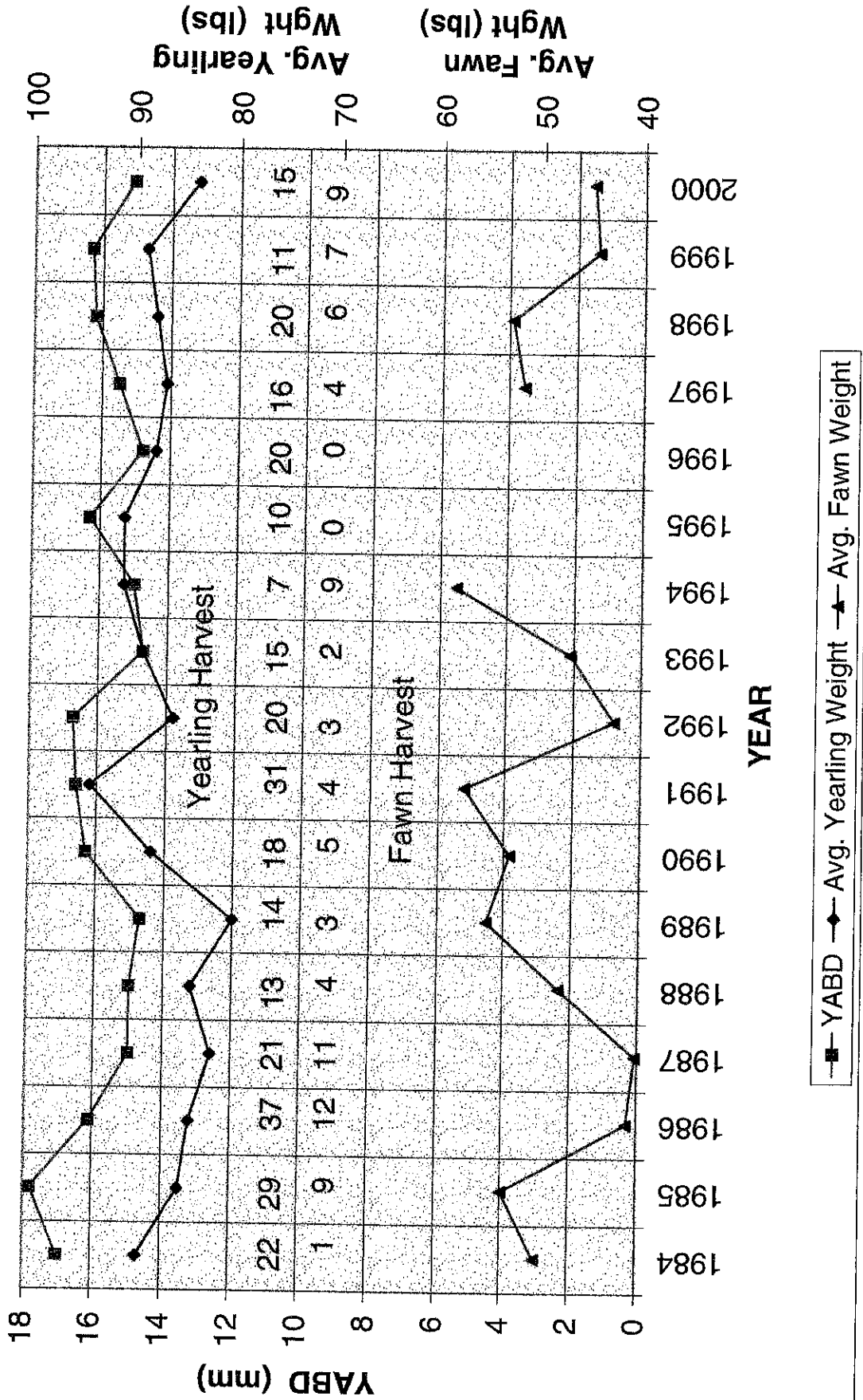
Year	Fawn	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5-9.5	10.5+	TOTAL	
											% 3 1/2 yrs. +	% 3 1/2 yrs. +
1990	2	1	4	6	1	0	0	2	0	0	16	56
1991	1	7	6	3	1	3	0	1	0	1	23	39
1992	2	6	5	3	2	5	3	2	3	1	32	59
1993	1	2	3	1	2	1	1	0	0	0	11	45
1994	5	1	3	3	1	1	1	2	1	0	18	50
1995	0	2	3	2	3	0	1	0	0	0	11	54
1996			NO DOES TAKEN								0	
1997	1	1	4	2	1	1	0	1	0	0	13	45
1998	3	5	5	4	2	3	2	0	0	0	24	46
1999	3	4	8	3	1	1	1	1	1	1	21	43
2000	3	2	2	6	2	0	1	0	2	0	18	61

1984-2000 HARVEST DATA: FAWNS

YEAR	TOTAL FAWN HARVESTED	TOTAL ANTLERLESS TAKE	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	29%	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	29	24%	4	45	3	43	
2000	9	23	39%	6	45	3	46	
TOTALS	89	331		53		36		
AVERAGE			27%		50		46	

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

POPULATION TREND

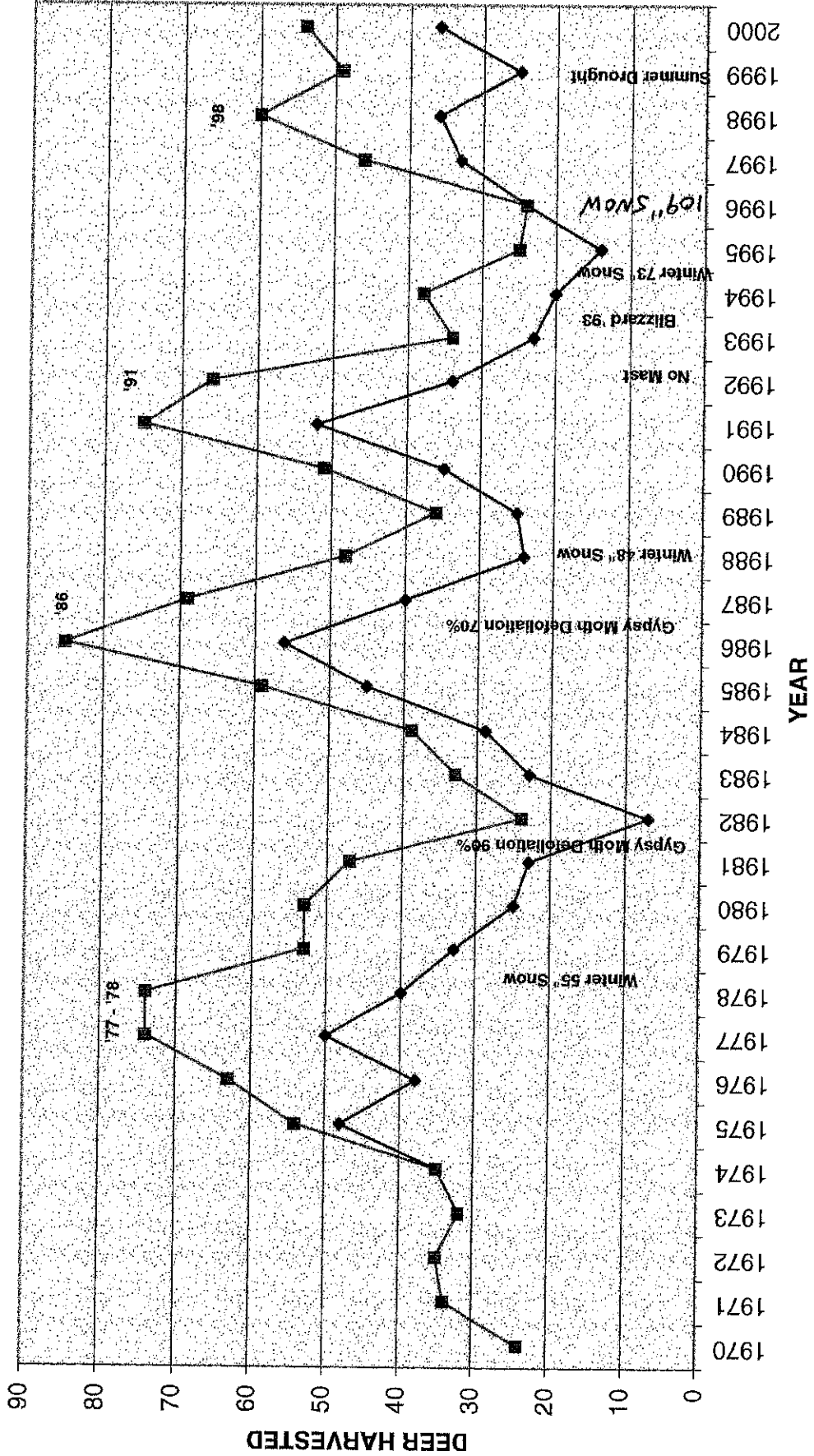


POPULATION COMPOSITION BY YEAR CLASS FOR DEER KNOWN TO HAVE BEEN HARVESTED

BIRTH YEAR	1985		1986		1987		1988		1989		1990		1991		1992		1993		1994		1995		1996		1997		1998		1999		TOTAL		AGE AS OF FALL 2000 (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	M	F	M	F	M	F	M	F						
1983	3	5	2	4	0	5					0	2																										
1984	32	2	9	7	1	6	0	5	0	1	0	0	0	1	0	3																						
1985	6	3	37	5	10	8	0	4	0	3	0	0	0	0	2																							
1986	8	4	22	1	8	6	0	4	0	4	0	1	0	3	0	3																						
1987			7	4	13	3	7	1	1	6	0	1	0	5	0	1	0	2	0	0																		
1988					2	3	15	1	13	4	4	3	1	2	0	1	0	1	0	0																		
1989							3	0	18	1	14	6	5	3	0	2	0	1	0	1																		
1990									3	2	3	7	7	5	2	1	0	1	0	0																		
1991											3	1	20	6	5	3	7	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1992												1	2	15	2	2	3	2	2	0	0	0	1	0	2	0	1	0	2	0	1	0	0	0				
1993															1	1	7	1	2	3	1	0	0	1	0	3	0	1	0	0	1	0	0	0				
1994																4	5	10	2	1	0	3	2	1	2	0	1	2	0	1	0	1	19	13				
1995																	0	0	20	0	11	4	4	4	1	1	0	0	36	9								
1996																									16	1	8	5	3	3	0	2	27	11				
1997																										3	1	20	5	6	8	4	6	33	20			
1998																																						
1999																																						
TOTAL	45	14	56	26	40	29	23	24	25	11	35	16	52	23	34	32	23	11	20	18	14	11	24	0	33	13	36	24	25	24	36	18	549	300				

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

BUCK HARVEST VS TOTAL HARVEST 1970 - 2000



◆ Bucks Harvested ■ Total Harvested

DEER HARVEST

1970 - 2000

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