BLACK ROCK FOREST
2013 DEER HARVEST REPORT

THE SEASON

November 16 to December 8

The harvest produced 33 kills.

Bow Season --	0 Deer	0 Buck	0 Antlerless
Rifle Season –	33 Deer	22 Bucks	11 Antlerless
Muzzleloader season --	0 Deer	0 Bucks	0 Antlerless

SEASON HUNTING PRESSURE AND SUCCESS RATE

YEAR	HUNTERS	HUNTER VISITS	PERMITS (VEHICLES)	TOTAL TAKE	SUCCESS RATE BUCKS Legal 3"+	SUCCESS RATE TOTAL Bucks and Antlerless
2013	172	497	347	33		
2012	130	393	279	30	15%	23%
2011	154	449	311	48	14%	31%
2010	185	564	400	61	15%	33%
2009	178	570	416	54	8%	30%

PERMITS AND LICENSES FILLED

Type	Number Harvested
Big Game	
Rifle	17
Bow	0
Muzzleloader	0
Deer Management Unit Permit	6
Deer Management Assistance Program	10
	33

HUNTING PRESSURE AND SUCCESS BY ZONE

ZONE	ACRES	HUNTER VISITS	BUCKS	DOES
I	450	80	4	1
II	520	51	1	0
III	450	25	1	0
IV	460	66	4	3
V	400	91	6	2
VI	500	66	1	1
VII	150	30	0	2
VIII	330	67	2	1
MINERAL SPRINGS	120	7	1	0
SANCTUARY	220	0	0	0
STATE LAND		7	2	1
TOTAL	3600	497	22	11

YEARLING MALES

YEAR	TOTAL YEARLINGS	ANTLER CLASS									BEAM	WEIGHT
		SPK	3	4	5	6	7	8	sub legal	UK	(mm)	(lbs)
2013	7	3	----	2	----	----	----	----	2	----	14.4	86
2012	4	----	2	----	----	----	----	----	2	----	16.5	77
2011	12	2	1	3	2	2	----	----	1	1	16	88
2010	14	2	2	4	3	----	1	----	2	----	16.6	93
2009	6	2	----	2	1	----	----	----	1	----	14.4	88

2 ½ YEAR OLD MALES

YEAR	TOTAL 2 1/2	ANTLER CLASS										BEAM	WEIGHT
		SPK	3	4	5	6	7	8	9	10	UK	(mm)	(lbs)
2013	7	----	----	2	1	3	1	----	----	----	----	21.6	101
2012	11	----	1	2	2	2	----	1	1	----	----	20.5	108
2011	7	----	----	----	1	----	1	4	----	1	----	24.6	116
2010	8	1	----	1	1	----	2	2	1	----	----	21.7	103
2009	4	----	----	----	----	1	2	1	----	----	----	26	119

3 ½ + 4 ½ YEAR OLD MALES

YEAR	TOTAL 3 1/2 - 4 1/2	ANTLER CLASS										BEAM	WEIGHT
		SPK	3	4	5	6	7	8	9	10	UK	(mm)	(lbs)
2013	5	----	----	----	1	2	----	1	1	----	----	26	123
2012	3	----	----	----	----	----	----	1	1	1	----	28.3	123
2011	5	----	----	----	----	----	----	4	----	----	1	26.2	120
2010	4	----	----	----	----	----	2	2	----	----	----	29.2	132
2009	4	----	----	----	----	1	2	1	----	----	----	26	119

ANTLERLESS

		MALES		FEMALES											
AGE CLASS	Total	BB	SUB LEGAL	Fawn	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	10.5	Unknown	% 3.5+
Number Harvested	16	3	2	3	1	2	4	0	1	0	0	0	0	0	31%
Avg. Dressed Weight		49	84	50	65	78	89		78					0	

This year's small number of harvested deer provides only slight biological indications of herd health and growth. The wide range of Buck weights and antler beam diameters demonstrates the annual movements of adult bucks from neighboring properties. As well as the replacement of the nutrients from the two year loss of acorn availability. Diet changes, that include non-native species (Barberry, Stilt Grass, Atlantis, Phragmites, etc.), need to be investigated for their nutritional value and consumption to further understand deer health and productivity.

POPULATION TREND



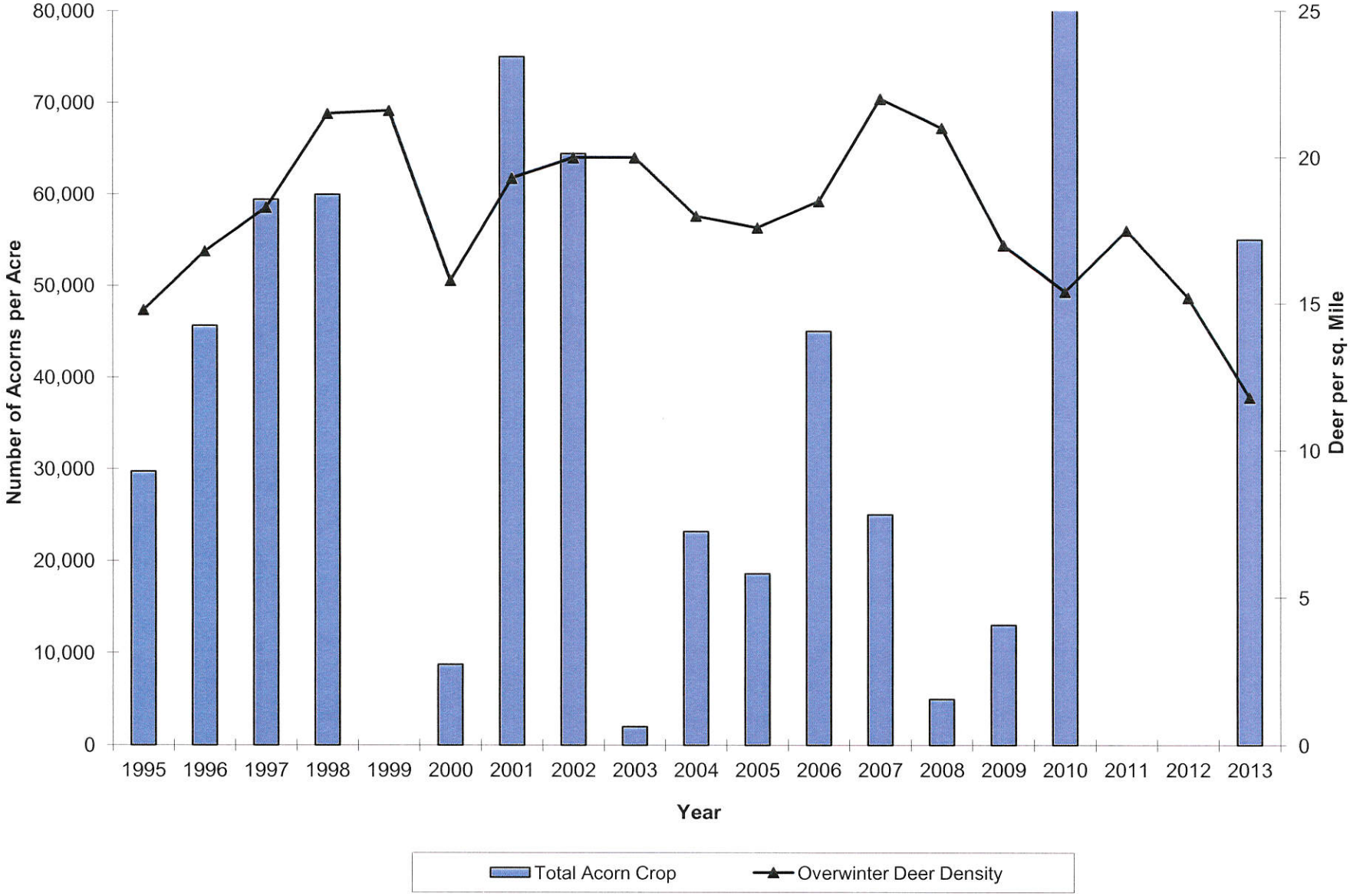
POPULATION RECONSTRUCTION BY AGE CLASS FOR DEER KNOWN TO HAVE BEEN HARVESTED

YEAR OF BIRTH

	2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		MIN POP KNOWN		TOTAL	AGE AS OF FALL 2013 (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		
2002	5	2	15	3	9	4	4	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	33	12	45	11.5
2003			3	1	11	2	7	2	5	1	2	1	0	3	0	1	0	0	0	0	0	0	0	0	28	11	39	10.5
2004					3	2	5	0	7	7	4	4	2	2	0	3	0	1	0	0	0	0	0	0	21	19	40	9.5
2005							3	5	15	4	11	8	4	7	0	4	0	1	0	1	0	1	0	0	33	31	64	8.5
2006									5	2	13	2	7	8	4	4	1	4	1	2	0	1	0	0	31	23	54	7.5
2007											2	5	17	7	6	11	3	6	1	1	0	0	0	0	29	30	59	6.5
2008													4	10	6	7	8	5	3	3	1	2	0	1	22	28	50	5.5
2009															4	4	14	2	7	6	2	2	1	0	28	14	42	4.5
2010																	4	10	12	6	11	1	4	4	31	21	52	3.5
2011																			2	6	4	0	7	2	13	8	21	2.5
2012																					1	4	7	1	8	5	13	1.5
2013																							3	3	3	3	6	FAWN
										TOTAL															280	205	485	

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

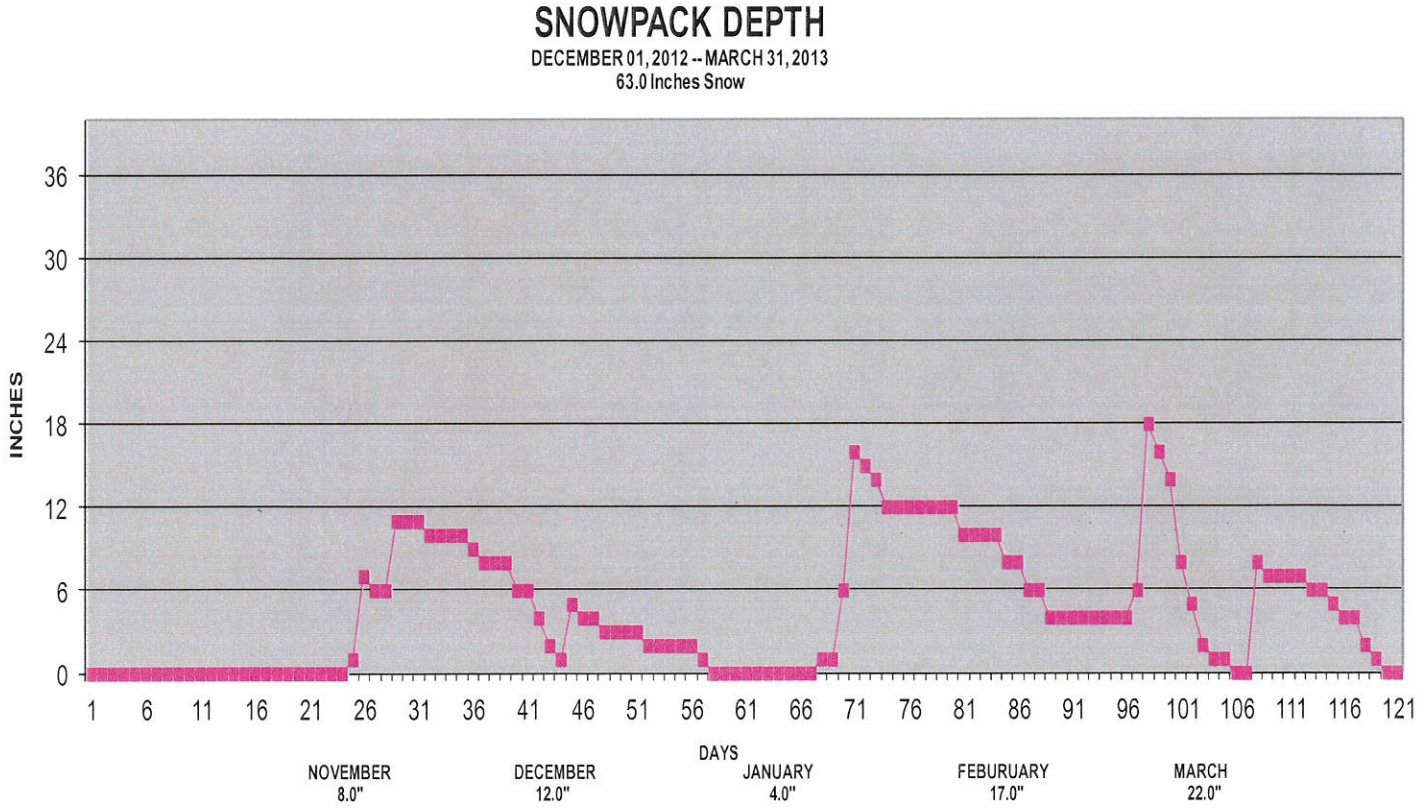
Acorn Crop and Overwinter Deer Density



BLACK ROCK FOREST
SNOW FALL
December 1, 2012 -- March 31, 2013

NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH
8.0"	12.0"	4.0"	17.0"	22.0"

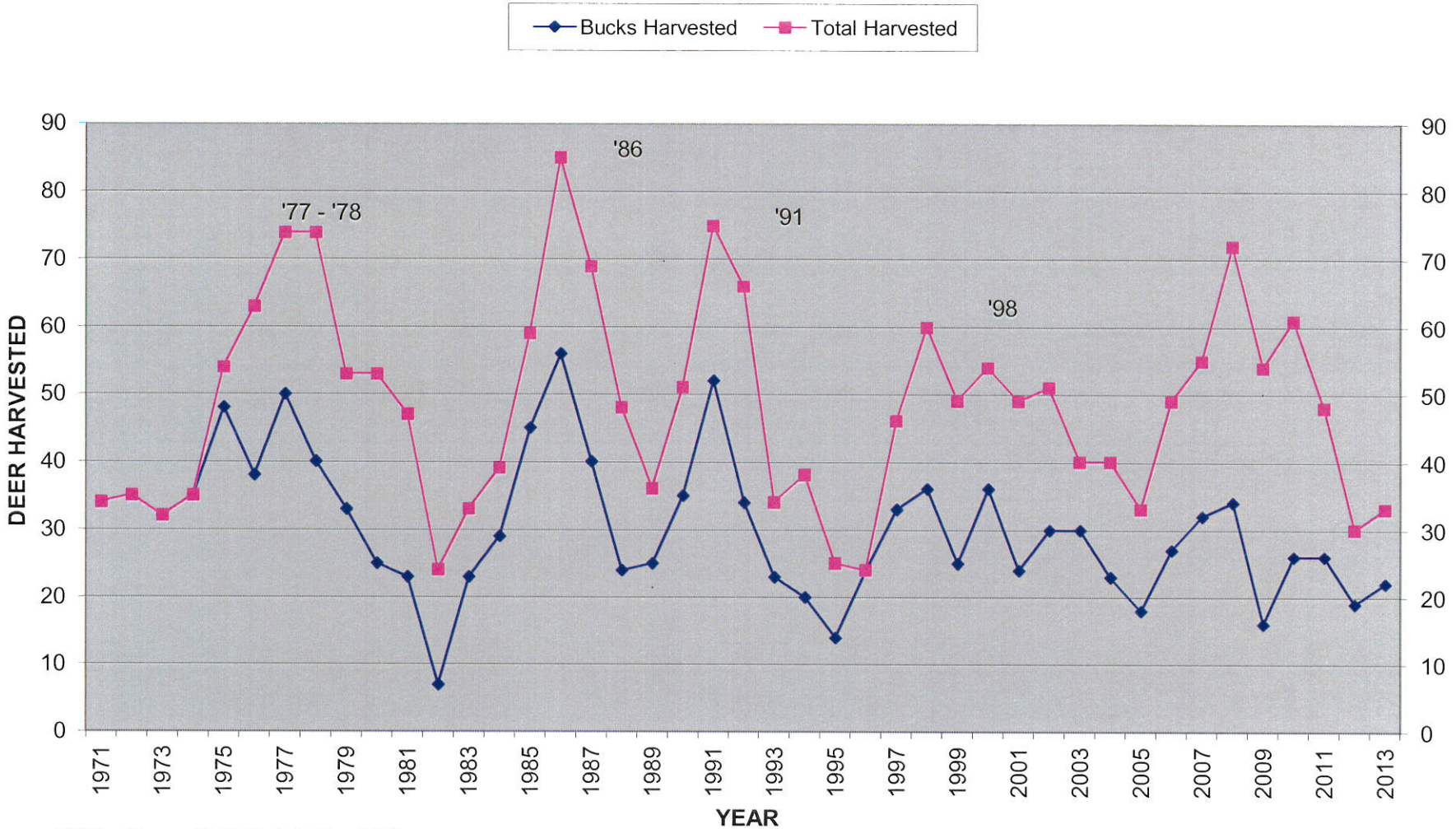
TOTAL – 63.0 INCHES



Snow Events
9 snow events
First Snow – Nov. 7, 2012
Last snow – Mar 18, 2013
3 Events < 2"
4 Event 6"+
1 Events 12" +
Largest Snow Event – Mar. 8, 2013 (12")

Snow Pack
90 days snow cover
38 Continuous days
47 Days 6" +
13 Days 12" +
1 Days 18" +
0 Days 24" +
0 Days 36"+

BUCK HARVEST VS TOTAL HARVEST
1971 - 2013



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, Hurricane Floyd

2000 - Poor Mast

2001 - 81" Snow

2002 - Nov. 16 - 17, Ice Storm

2003 - No Mast, 90" Snow

2004 - Wooly Adelgid Infestation - Hemlock Mortality over 50%

2005 - Poor Mast

2008 - Low Mast

2008 - Dec. 12 Ice Storm

2010- Bumper Mast Crop

2011- No Mast

2012- No Mast

DEER HARVEST
1970 - 2013

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
2010	30	31	61
2011	26	22	48
2012	19	11	30
2013	22	11	33

2000 - 2013 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. %
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
2010	4	0	0	0	0	0	2	2	0	0	0	7.5	29.2	132	15
2011	5	0	0	0	0	0	0	4	0	0	0	8.0	30.0	126	22
2012	3	0	0	0	0	0	0	1	1	1	0	9.0	28.3	123	17
2013	5	0	0	0	1	2	0	1	1	0	0	6.8	26.0	123	26

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. +
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
2010	31	10	2	5	6	4	1	1	0	2	0	0	45
2011	19	6	6	3	2	1	2	1	0	0	1	0	32
2012	11	4	0	1	2	2	0	1	1	0	0	0	55
2013	11	3	1	2	4	0	1	0	0	0	0	0	45

2000 - 2013 WHITE-TAILED DEER HARVEST REPORT

YEARLING MALES

YEAR	TOTAL MALES	ANTLER POINT CLASS SPK	3	4	5	6	7	8	9	10	SUB LEGAL	AVG. PTS.	AVG BEAM DIA. (MM)	AVERAGE WT. (LBS)	FREQ. %
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
2010	14	2	2	4	3	0	1	0	0	0	2	4.0	16.6	93	54
2011	12	2	1	3	2	2	0	0	0	0	1	4.0	16.0	88	50
2012	4	0	2	0	0	0	0	0	0	0	2	3.0	16.5	77	22
2013	7	3	0	2	0	0	0	0	0	0	2	2.8	14.4	86	37

2 1/2 YEAR OLD MALES

YEAR	TOTAL MALES	ANTLER POINT CLASS SPK	3	4	5	6	7	8	9	10	SUB LEGAL	AVG. PTS.	AVG BEAM DIA. (MM)	AVERAGE WT. (LBS)	FREQ. %
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
2010	8	1	0	1	1	0	2	2	1	0	0	6.2	21.7	103	31
2011	7	0	0	0	1	0	1	4	0	1	0	7.7	24.6	116	29
2012	11	0	1	2	2	2	0	1	1	0	0	5.6	20.5	108	61
2013	7	0	0	2	1	3	1	0	0	0	0	5.4	21.6	101	37

1984-2013 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
2010	14	35	40%	4	56	10	54
2011	8	24	33%	2	43	6	43
2012	5	14	36%	1	50	4	46
2013	6	16	38%	3	49	3	50
TOTALS	188	682	28%	96		92	

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