



# **BIG GAME HARVEST REPORTS 2019**



# MOOSE HARVEST REPORT – 2019

## Summary

Each year, moose licence quotas are established for each Wildlife Management Zone open to moose hunting. The moose licence quota does not indicate the desired moose harvest level; rather, it indicates the number of licences needed to reach the desired moose harvest level. Licence quotas are affected by several factors, most importantly the estimate of moose population size, the amount of unregulated moose harvest, and the success rate of hunters in the regulated hunt. Changes in those factors often cause moose licence quotas to fluctuate up and down from year-to-year, even when moose populations and harvest targets are stable or increasing, as has been the case in the past few years. The resident moose licence quota in 2019 was 4,744 licences, an increase of 6% from 2018 (4,465 licences).

A total of 55,813 NB residents, 2,943 non-residents, and 206 outfitters and guides submitted applications to the moose licence draw in 2019; 4,744 resident, 50 non-resident, and 50 outfitter and guide applicants were successful. A total of 74% of resident moose licence holders chose to designate another resident hunter to accompany them on their licence.

The total registered moose harvest in 2019 was 3,689 moose. Resident hunters harvested 3,613 moose, while non-residents took 76 moose. The overall hunter success rate was 77%.

Moose hunting season is set in regulation to be the last Tuesday-Saturday of September, so the season timing varies each year according to the calendar. In 2019, this resulted in a season of September 24-28<sup>th</sup>.

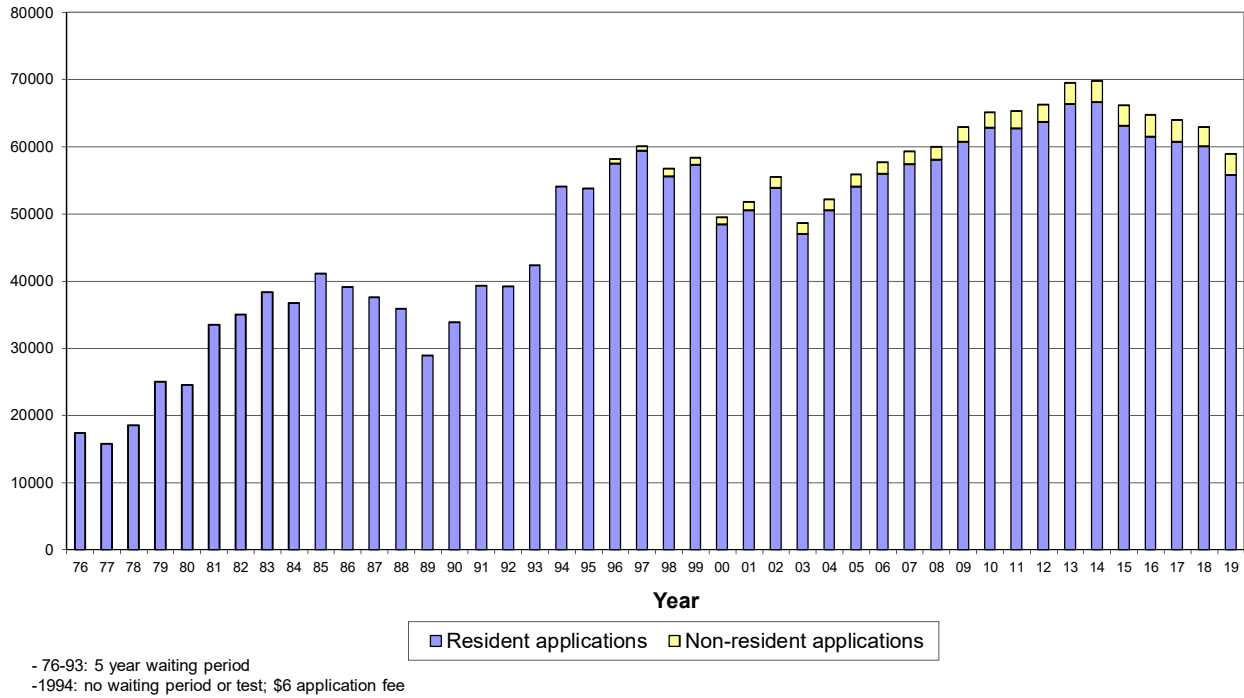
## 2020 Synopsis

New Brunswick's moose population appears to be stable in most areas of the province, particularly in the north-western part of the province. Moose population declines are evident in parts of southern NB. The resident moose licence quota for 2020 is 4,794 licences.

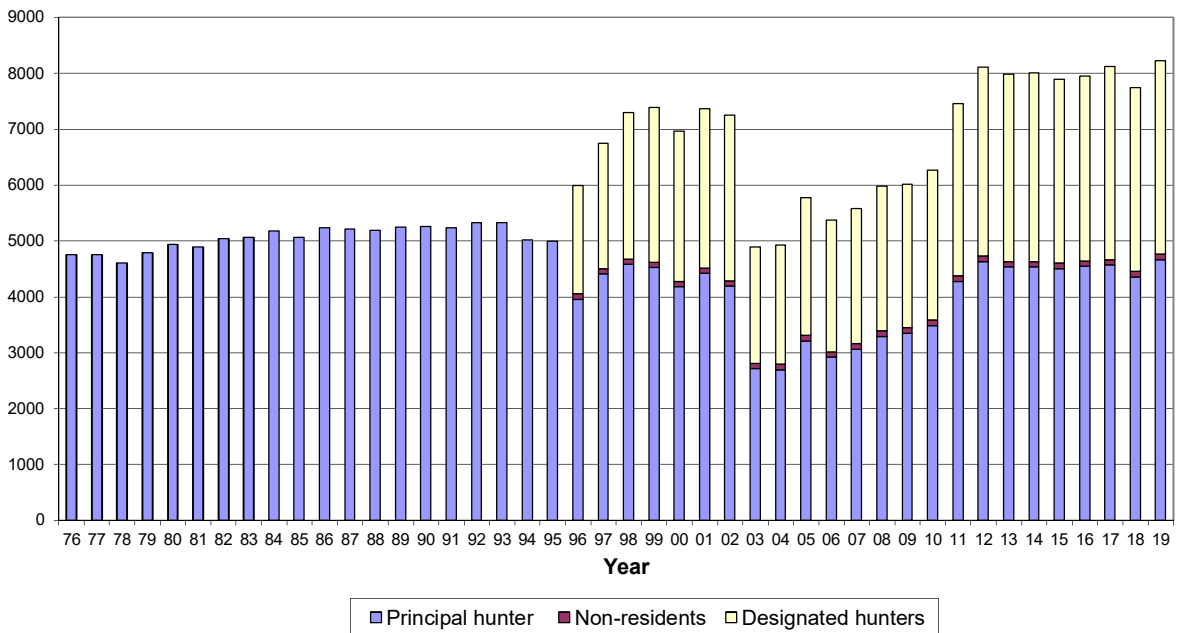
Although the moose herd appears to be relatively healthy, it is difficult to accurately assess due to the unknown quantity and distribution of animals being removed by unregulated harvest. The regulated licence allocation must be conservative to ensure sustainability of the moose population until a moose harvest and reporting system can be established that accommodates existing aboriginal and treaty rights.



## MOOSE HUNTING APPLICATIONS 1976 - 2019 New Brunswick



## MOOSE HUNTING LICENCES SOLD 1976 - 2019 New Brunswick



- 76-93: test req'd; 6000 applications drawn
- 1994: no test; fewer applications drawn
- 1996: 2-person parties allowed; non-residents allowed; fewer resident applications drawn
- 2003: permits reduced to mitigate impact of unregulated aboriginal harvest

# MOOSE DRAW DATA, LICENCE PURCHASE AND KILL SUCCESS OF RESIDENT MOOSE HUNTING PARTIES New Brunswick 2019

WMZ	Licence Quota 2019	# Applicants	Applicants Drawn	Resident Principal Hunter Licences <sup>1</sup> Purchased	Designated Hunter Licences <sup>2</sup> Purchased	2019 Reg'd Kill <sup>3</sup>	% Successful in Harvesting a Moose	Licence Quota 2020
1	138	929	138	135	100	112	83	138
2	433	2,290	433	420	278	310	74	440
3	356	3,718	356	350	249	324	93	357
4	392	3,169	392	386	280	309	80	382
5	227	3,012	227	227	143	193	85	266
6	354	2,071	354	350	218	282	81	350
7	396	6,679	396	390	268	346	89	420
8	252	3,105	252	248	171	195	79	251
9	60	1,015	60	57	39	44	77	58
10	80	1,257	80	78	58	68	87	70
11	232	2,025	232	228	168	195	86	220
12	300	3,148	300	293	240	218	74	283
13	112	1,796	112	112	92	85	76	175
14	121	1,795	121	118	105	72	61	119
15	124	1,599	124	124	88	103	83	139
16	207	2,764	207	202	150	163	81	182
17	155	1,452	155	152	121	105	69	163
18	175	2,049	175	174	156	103	59	163
19	77	1,257	77	75	69	50	67	86
20	143	4,035	143	140	120	92	66	142
21	88	1,180	88	85	63	62	73	84
22	90	677	90	87	74	35	40	82
23	107	2,273	107	106	92	62	58	106
24	43	1,017	43	43	41	27	63	41
25	82	1,501	82	82	76	58	71	77
<b>Province</b>	<b>4,744</b>	<b>55,813</b>	<b>4,744</b>	<b>4,662</b>	<b>3,459</b>	<b>3,613</b>	<b>77</b>	<b>4,794</b>

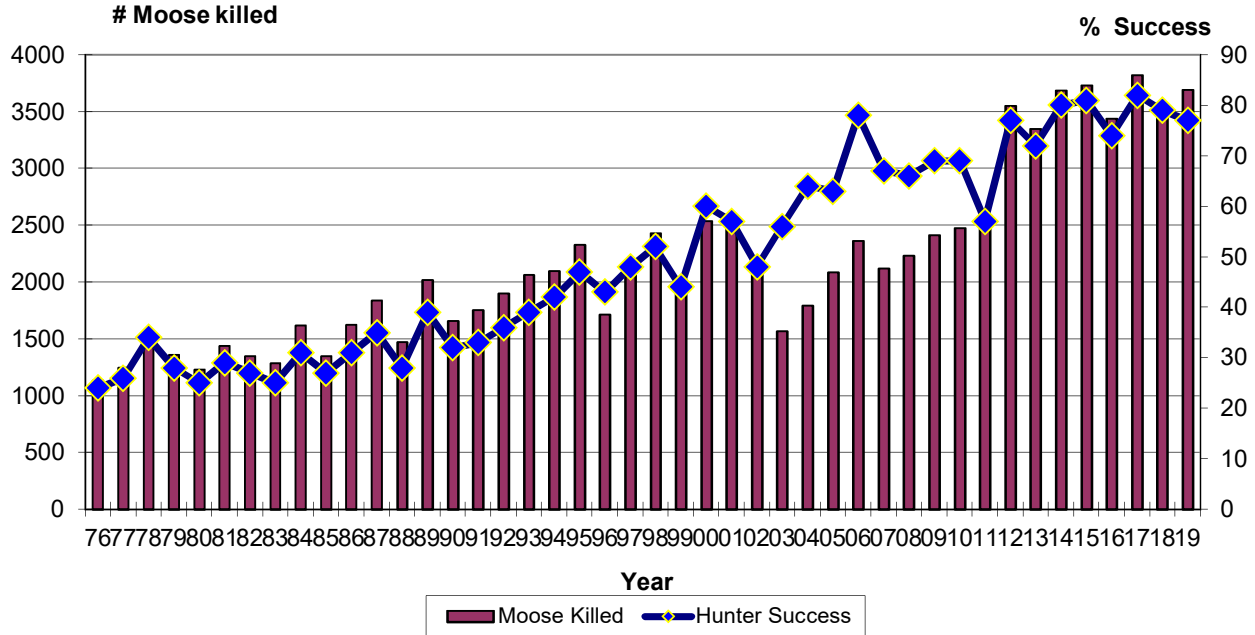
<sup>1</sup> Licences purchased are those of the resident principal hunters who were successful in the draw.

<sup>2</sup> Designated hunter licences allow principal hunters to be accompanied by one other resident hunter who can assist in filling their tag.  
74% of residents who were successful in the draw and purchased a moose hunting licence chose to hunt with a designated hunter.

<sup>3</sup> Resident kill only.

# MOOSE HARVESTED & HUNTER SUCCESS RATES (%)

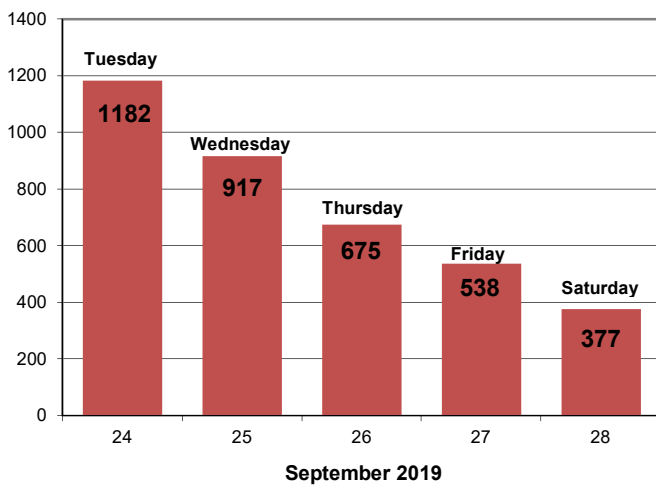
1976-2019 New Brunswick



-1994: Implementation of quotas by zone

## MOOSE KILL BY DAY

2019 New Brunswick



## AVERAGE WEIGHTS OF NEW BRUNSWICK MOOSE\*

(pounds\*\* field dressed)

Age	Male	Female
0.5	234	225
1.5	466	415
2.5	612	515
3.5	701	553
4.5	752	532
5.5	791	569
6.5	788	574
7.5	748	535
8.5	866	573
9.5+	785	584

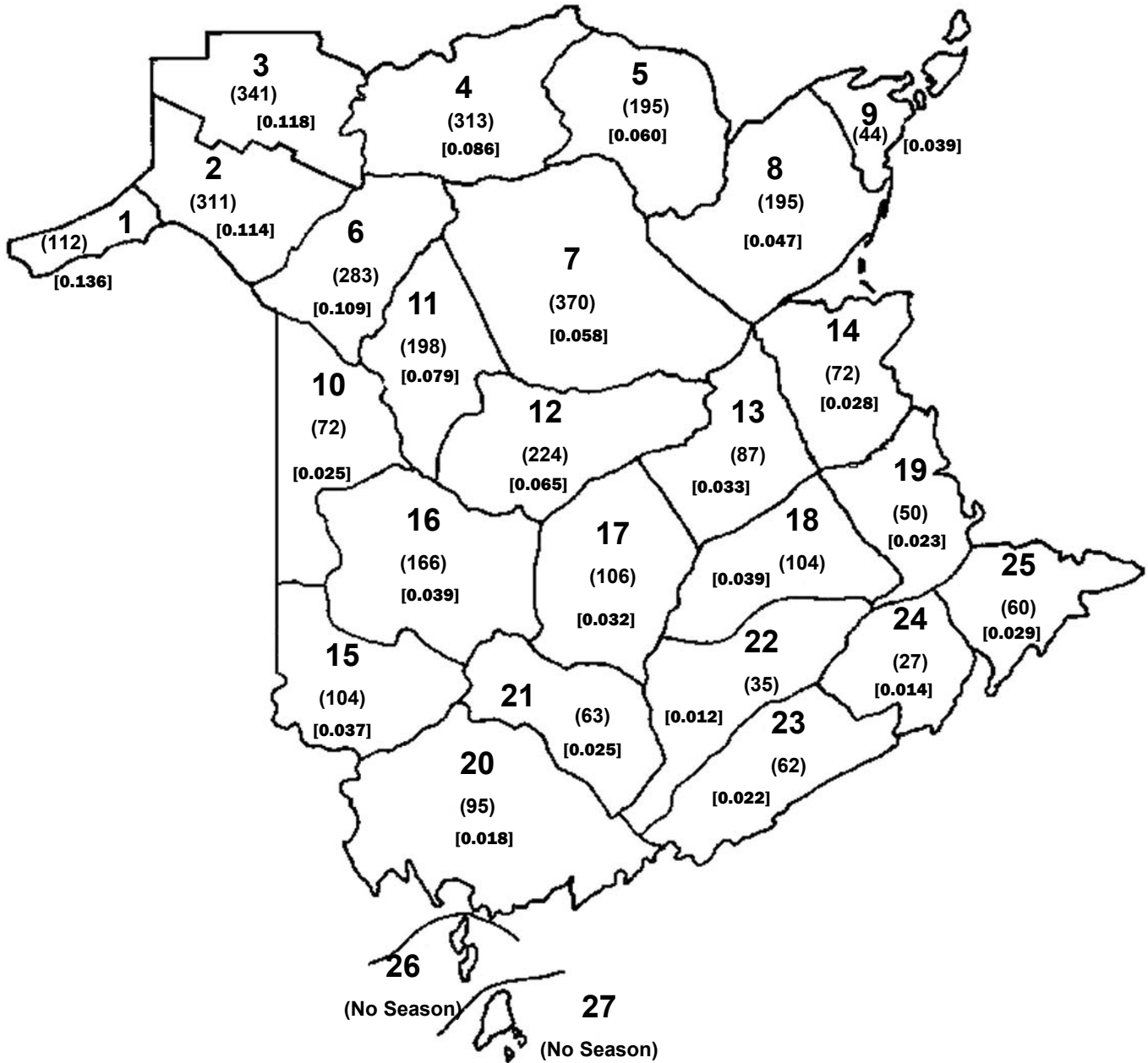
\* Weights were obtained from 1017 moose registered at Fredericton and Edmundston, 1986 - 1989 & at Fredericton 1995 - 2000.

\*\* To convert "pounds" to "kilograms", multiply by 0.45.

# REGISTERED MOOSE HARVEST BY WILDLIFE MANAGEMENT ZONE

## NEW BRUNSWICK 2019

TOTAL HARVEST (#) and HARVEST PER KM<sup>2</sup> [ ]



A total of 3,689 moose registered in 2019.  
Harvest per km<sup>2</sup> for all open zones = 0.049

# SEX AND AGE OF MOOSE HARVESTED

1960 - 2019 New Brunswick

[moose season was closed in 1936 and reopened in 1960]

Year	Adult & Yearling		Calf		Unknown	Total
	Bull	Cow	Male	Female		
1960 <sup>a</sup>	174	0	0	0		174
1961	262	0	0	0		262
1962	297	0	0	0		297
1963	296	0	0	0		296
1964	307	0	0	0		307
1965	314	0	0	0		314
1966 <sup>b</sup>	n/a	n/a	n/a	n/a	606	606
1967	n/a	n/a	n/a	n/a	469	469
1968	472	192	33	27		724
1969	455	191	29	32		707
1970	547	236	24	51		858
1971	574	273	38	46		931
1972	702	261	35	45		1,043
1973	745	296	40	46		1,127
1974	680	284	57	64		1,085
1975	607	284	25	53		969
1976	716	298	53	64		1,131
1977	773	370	46	57		1,246
1978	936	480	58	71		1,547
1979	800	444	50	66		1,360
1980	770	357	49	54		1,230
1981	874	388	63	111		1,436
1982	844	370	60	70		1,344
1983	826	360	45	56		1,287
1984	1,008	475	56	79		1,618
1985	880	328	85	53		1,346
1986	1,055	418	71	81		1,625
1987	1,181	497	72	88		1,838
1988	843	413	77	75	65	1,473
1989	1,199	575	81	105	62	2,022
1990	1,048	464	63	73	9	1,657
1991	1,116	492	58	73	14	1,753
1992	1,200	564	64	70	1	1,899
1993	1,238	636	86	84	17	2,061
1994 <sup>c</sup>	1,298	629	72	83	12	2,094
1995	1,387	755	78	84	22	2,326
1996 <sup>d</sup>	1,087	522	60	46		1,715
1997	1,349	640	60	69	3	2,121
1998	1,524	745	70	73	15	2,427
1999	1,321	566	64	71		2,022
2000	1,679	714	77	67		2,537
2001	1,725	708	64	76		2,573
2002	1,372	585	50	64		2,071
2003	1,096	412	24	36		1,568
2004	1,212	507	37	35	3	1,794
2005	1,446	564	35	35	4	2,084
2006	1,678	603	35	46	0	2,362
2007	1,550	489	35	44	2	2,120
2008	1,580	568	40	40	3	2,231
2009	1,720	611	29	49	0	2,409
2010	1,735	666	32	31	10	2,474
2011	1,713	697	29	39	0	2,478
2012	2,571	862	61	53	0	3,547
2013	2,406	849	39	50	2	3,346
2014	2,603	928	28	56	68	3,683
2015	2,593	1042	29	49	16	3,729
2016	2,378	968	27	48	14	3,435
2017	2,767	957	35	45	11	3,815
2018	2,539	920	25	28	18	3,530
2019	2,605	978	44	52	10	3,689

a Bulls only season from 1960 to 1965

b Either sex hunting began in 1966 to present

c Allocation of hunters by zone

d Designated hunters could accompany principal licence holder for first time.



**SEX AND AGE OF MOOSE HARVESTED  
BY WILDLIFE MANAGEMENT ZONE  
2019 New Brunswick**

WMZ	MALE				FEMALE				Sex Unknown	Total
	Adult	Yearling	Calf	Age Unknown	Adult	Yearling	Calf	Age Unknown		
1	36	12	4	3	36	13	3	4	1	112
2	136	37	5	6	70	40	6	7	4	311
3	201	39	3	6	71	14	1	4	2	341
4	166	61	3	1	54	20	3	5	0	313
5	103	24	3	6	34	17	1	5	2	195
6	134	54	1	4	57	24	7	2	0	283
7	248	30	3	7	61	13	4	4	0	370
8	115	24	0	6	35	13	2	0	0	195
9	27	6	1	0	8	2	0	0	0	44
10	37	12	3	0	13	6	1	0	0	72
11	116	20	0	2	47	11	1	0	1	198
12	149	20	1	2	37	11	3	1	0	224
13	52	13	0	1	14	7	0	0	0	87
14	45	11	0	1	10	4	0	1	0	72
15	57	15	4	0	17	10	1	0	0	104
16	85	23	2	0	37	15	4	0	0	166
17	60	19	3	0	17	6	1	0	0	106
18	68	13	2	2	14	3	2	0	0	104
19	32	6	0	2	4	4	1	1	0	50
20	61	14	0	1	15	2	2	0	0	95
21	37	6	0	0	12	3	5	0	0	63
22	15	6	2	0	8	2	2	0	0	35
23	36	5	2	1	14	3	1	0	0	62
24	14	6	0	1	5	1	0	0	0	27
25	40	7	2	0	9	1	1	0	0	60
unknown	0	0	0	0	0	0	0	0	0	0
Province	2070	483	44	52	699	245	52	34	10	3689



## **DEER HARVEST REPORT - 2019**

The 2019 deer hunting season had a harvest of 7,303 deer, 15% more than in 2018 and was higher than predicted. Population modelling indicated this year's deer numbers would be similar to or slightly less than in 2018. The winter of 2019 was quite severe. Winter conditions in northern and central NB were harsher than the 10-year average, and about average in southern NB. However the harvests were better than expected with a small (3%) increase in northern NB, and substantial increases in central (27%) and southern (19%) New Brunswick.

The season was later than usual on the calendar and overlapped more with the buck rutting season. New Brunswick had snowfall in the second week of gun season and persisted through the season for much the province. The late season combined with snow on the ground allowed for better than average hunter success, with a 15% increase in harvest of bucks 3 years or older and a 10% increase in bucks with racks with 9 points or more.

A total of 42,216 residents and 267 non-residents purchased deer hunting licences, about 15% below the long-term average. Resident hunters had a harvest success rate of 15%, while non-resident hunters had success rates of 13%. Hunters with Antlerless Deer Permits had better success rates of 47% because of their ability to harvest a deer of either sex. The overall hunter success rate of 17% was the fourth best rate since 1990.

In 2019 there were 3,600 Antlerless Deer Permits made available; 200 more than in 2018. A total of 8725 resident hunters applied for the computerized tag draw, of which 3,564 were successful. Hunters with antlerless deer tags harvested 1,694 deer, a 47% success rate. Of the successful antlerless permit holders, 53% harvested antlerless deer.

During the gun season, the harvest was very close to equal distribution of 25% for each of the 4 weeks. There were 938 deer (14% of the harvest) taken on the three Sundays that were open for hunting during the season. A total of 82% of the harvest were bucks, 15% adult females, and 3% fawns.

### 2020 Synopsis

The 2020 deer hunting season is expected to be as good or better than in 2019. The 2020 winter was quite mild and deer winter survival rates were considerably better than during the past three winters. Population growth is expected in southern zones, while central and northern areas are still recovering from the severe winters in previous years. The antlerless deer permit quotas will be adjusted to reflect the expected population growth in 2020.

# DEER LICENCE SALES AND HARVESTS

New Brunswick 1968 - 2019

YEAR	LICENCES SOLD				HARVESTS								Estimated Prehunt Population *
	RESIDENT GUN	NON-RES. GUN	TOTAL BOW	TOTAL	RESIDENT GUN SEASON	NON-RES. GUN SEASON	TOTAL BOW	TOTAL CROSSBOW	Nuisance Harvest (Gun & Archery)	UNK	TOTAL HARVEST	Hunter Success Rate	
1968	51,615	2,553		54,168	20,516	2,126					22,642	42%	na
1969	54,346	2,930		57,276	15,192	1,745					16,937	30%	na
1970 <sup>a</sup>	56,350	2,495		58,845	5,749	568					6,335	11%	70,150
1971	59,060	2,171		61,231	3,981	398					4,379	7%	49,148
1972	55,151	2,055		57,206	4,455	500					4,955	9%	57,249
1973	69,913	2,162		72,075	3,856	417					4,273	6%	41,831
1974	66,226	2,382		68,608	5,959	577					6,536	10%	66,536
1975	65,763	1,622		67,385	5,164	390					5,554	8%	57,389
1976	78,331	1,581		79,912	6,927	457					7,384	9%	68,526
1977	87,812	1,938		89,750	8,431	506					8,937	10%	78,434
1978	96,671	1,068		97,739	10,390	335					10,725	11%	91,767
1979	98,807	1,271		100,078	12,958	386					13,344	13%	116,696
1980	96,674	1,761		98,435	17,710	634					18,344	19%	167,811
1981	104,896	2,297		107,193	20,905	867					21,772	20%	197,156
1982	114,330	2,749	852	117,931	21,830	827	42				22,699	19%	200,264
1983	111,148	3,134	1,120	115,402	25,833	1,286	46				27,165	24%	246,532
1984	109,873	4,118	1,143	115,134	24,593	1,423	67				26,083	23%	235,831
1985	109,708	4,801	1,195	115,704	29,329	1,799	77				31,205	27%	286,894
1986	108,722	6,563	1,390	116,675	25,982	2,080	77				28,139	24%	255,571
1987	107,256	6,737	1,569	115,564	24,500	1,974	98				26,572	23%	240,489
1988	94,260	6,366	1,424	102,050	18,210	1,531	64				19,805	19%	180,386
1989	95,486	5,670	1,121	102,277	18,294	1,234	102			89	19,719	19%	179,392
1990 <sup>b</sup>	82,002	3,850	984	86,836	10,830	520	32			98	11,480	13%	105,630
1991	82,391	2,856	900	86,147	11,623	401	64			90	12,178	14%	112,609
1992	80,592	2,557	917	84,066	10,929	290	71			63	11,353	14%	105,953
1993	70,185	2,113	1,072	73,370	9,726	289	76			43	10,134	14%	99,891
1994	86,162	2,152	1,048	89,362	9,811	277	86			42	10,216	11%	91,491
1995	76,030	1,911	901	78,842	10,473	267	94			20	10,944	14%	104,862
1996	71,820	1,619	855	74,294	11,620	331	105			87	12,143	16%	119,475
1997	65,505	1,776	922	68,203	12,084	354	92			20	12,550	18%	127,112
1998	64,165	1,653	902	66,720	9,792	292	80			35	10,199	15%	104,378
1999	63,940	1,780	922	66,642	9,041	218	57				9,316	14%	95,564
2000	59,708	1,514	904	62,126	8,100	160	52			0	8,312	13%	88,094
2001	54,791	1,188	n/a	55,979	4,160	110	44				4,314	8%	60,872
2002	50,729	1,050	n/a	51,779	6,225	175	43				6,443	12%	79,258
2003	49,634	1,030	n/a	50,664	5,499	147	87				5,733	11%	73,186
2004	50,090	1,043	n/a	51,133	6,633	165	80				6,878	13%	79,730
2005	48,804	989	n/a	49,793	6,635	152	94				6,881	14%	86,623
2006	51,652	947	n/a	52,599	9,251	187	131			1	9,570	18%	104,572
2007	52,735	988	n/a	53,723	10,233	179	158				10,570	20%	117,800
2008	52,152	829	n/a	52,981	7,480	138	162				7,780	15%	80,842
2009	49,629	626	n/a	50,255	4,836	73	151				5,060	10%	59,045
2010	47,449	529	n/a	47,978	4,938	55	108				5,101	11%	60,030
2011	46,038	395	n/a	46,433	4,600	47	135	11			4,793	10%	57,590
2012	47,110	424	n/a	47,534	5,802	57	207	27			6,093	13%	70,185
2013	49,240	374	n/a	49,614	7,781	71	263	29		17	8,161	16%	89,700
2014	49,102	374	n/a	49,476	6,452	67	270	42	104	0	6,935	14%	82,970
2015	48,521	318	n/a	48,839	3,930	37	217	35	146	13	4,378	9%	55,440
2016	46,381	333	n/a	46,714	4,880	56	248	77	123	2	5,386	12%	66,655
2017	45,443	335	n/a	45,778	5,742	38	254	141	263	3	6,441	14%	71,440
2018	42,768	248	n/a	43,016	5,514	37	208	218	243	3	6,223	14%	70,025
2019	42,216	267	n/a	42,483	6,349	34	269	241	312	98	7,303	17%	79,200

a Mandatory registration begins; limit reduced from 2 to 1 deer

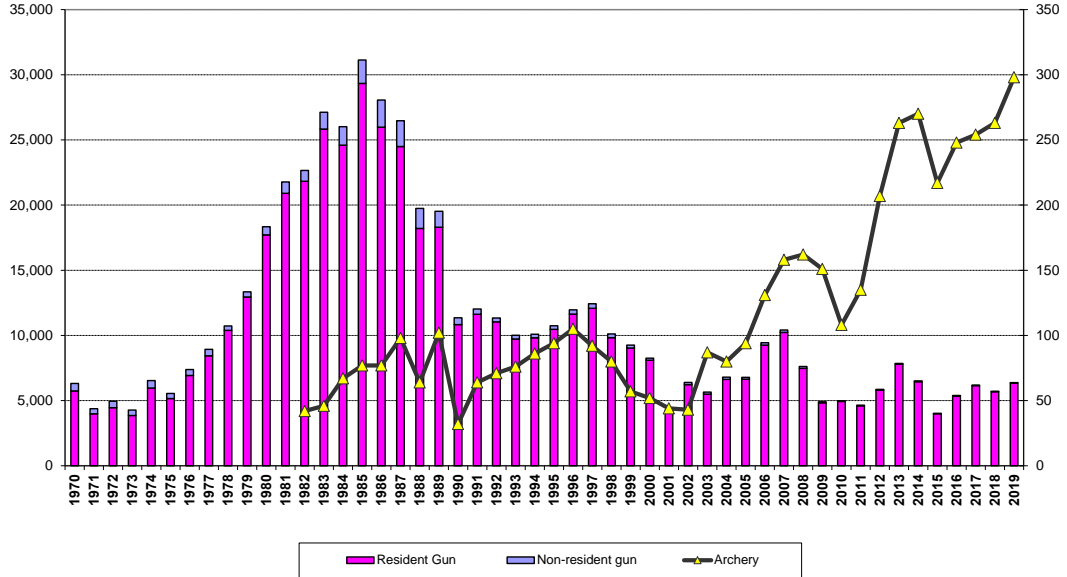
b WMZs / Antlerless Deer Permit System begins.

\* Population estimates have high variance and are best used as trend indicators. Estimates may vary in future depending on model inputs.

## DEER HARVEST (Gun & Bow) 1970-2019 New Brunswick

Regular Season Harvest

Bow Season Harvest



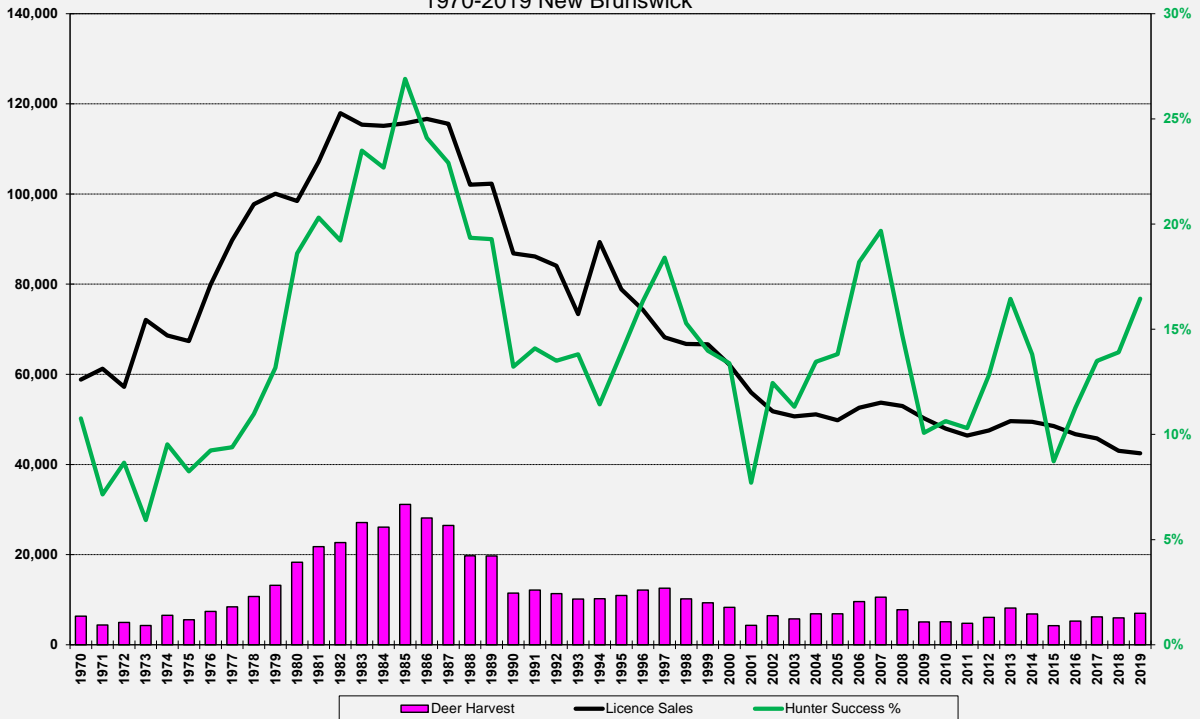
- Bow season began in 1982

## DEER HARVEST, DEER LICENCE SALES AND DEER HUNTER SUCCESS %

1970-2019 New Brunswick

Deer Harvest and  
Licence Sales

Success%

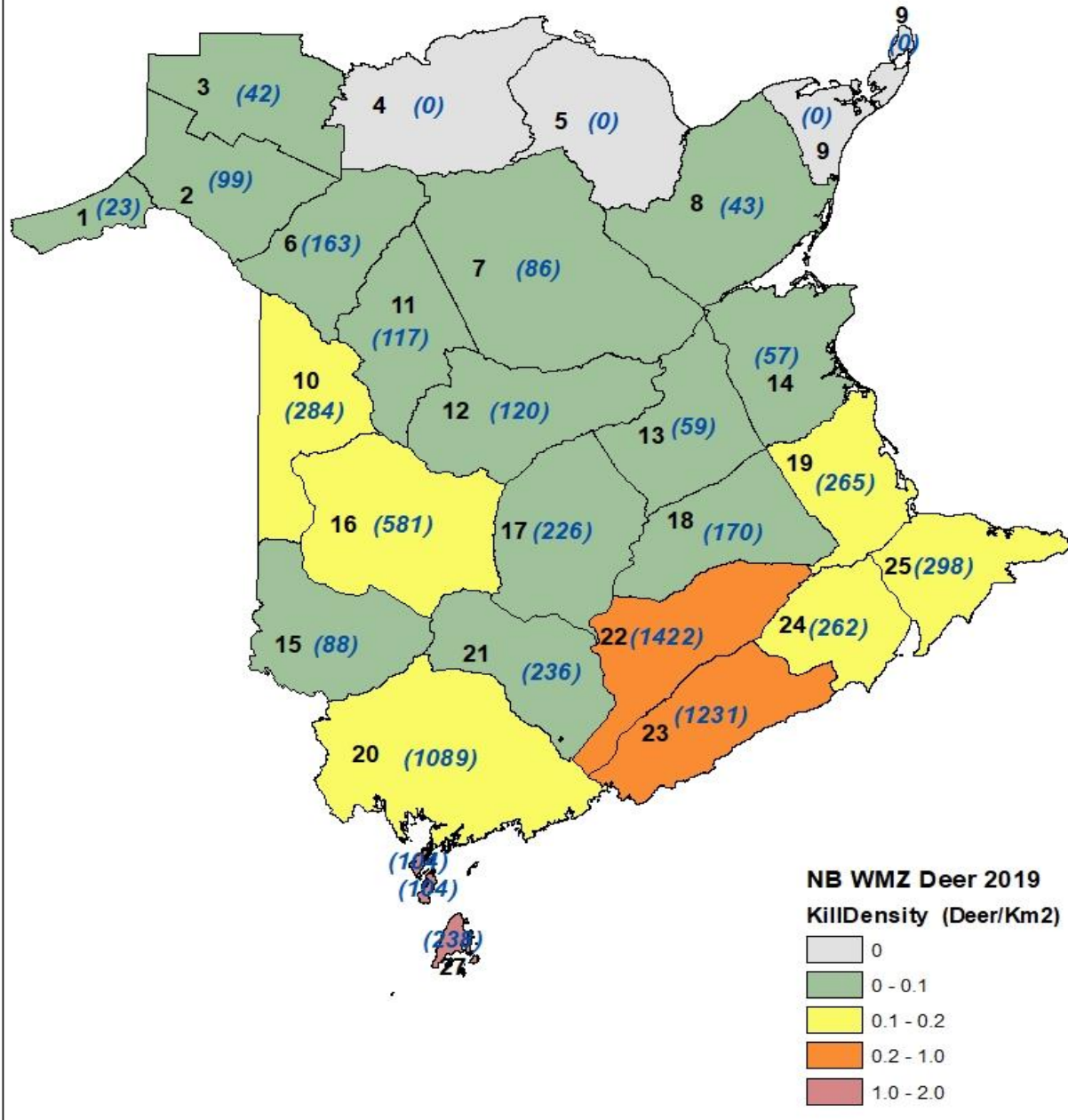


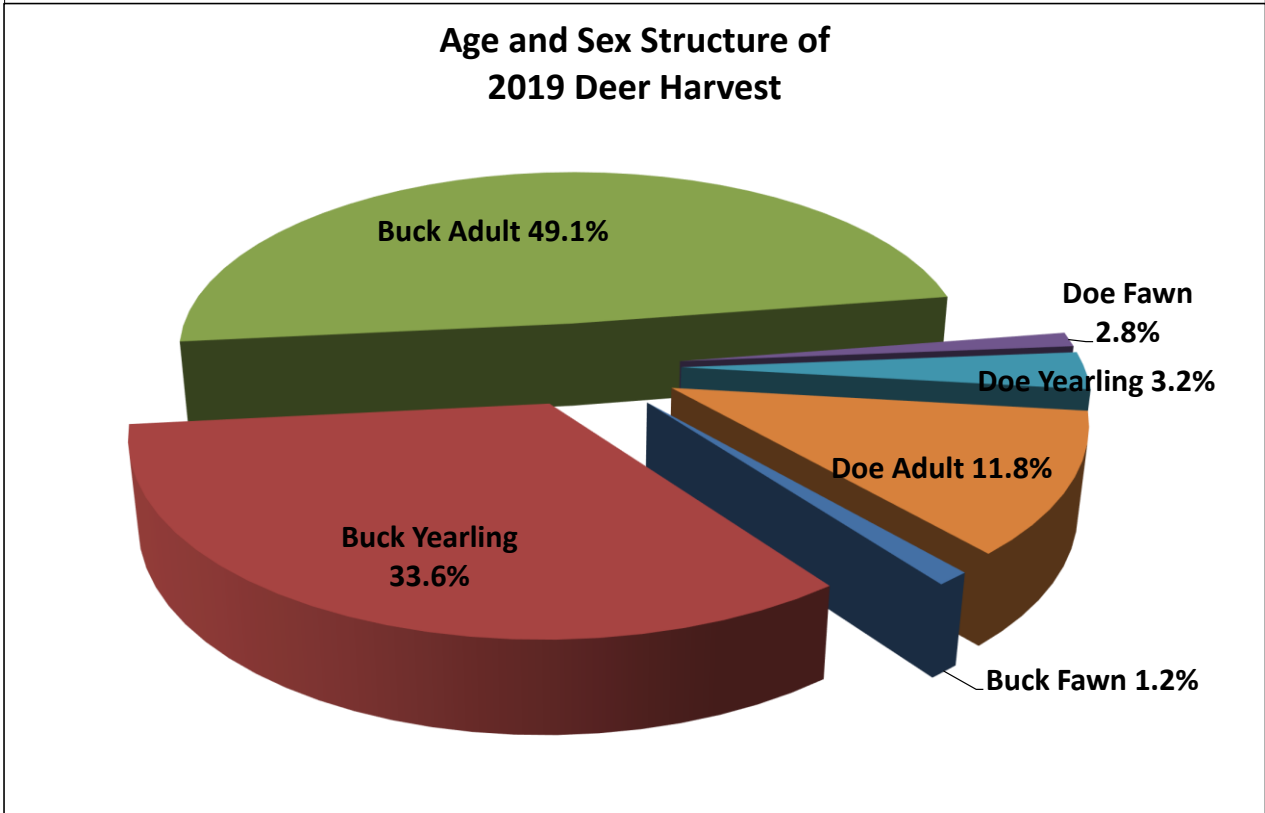
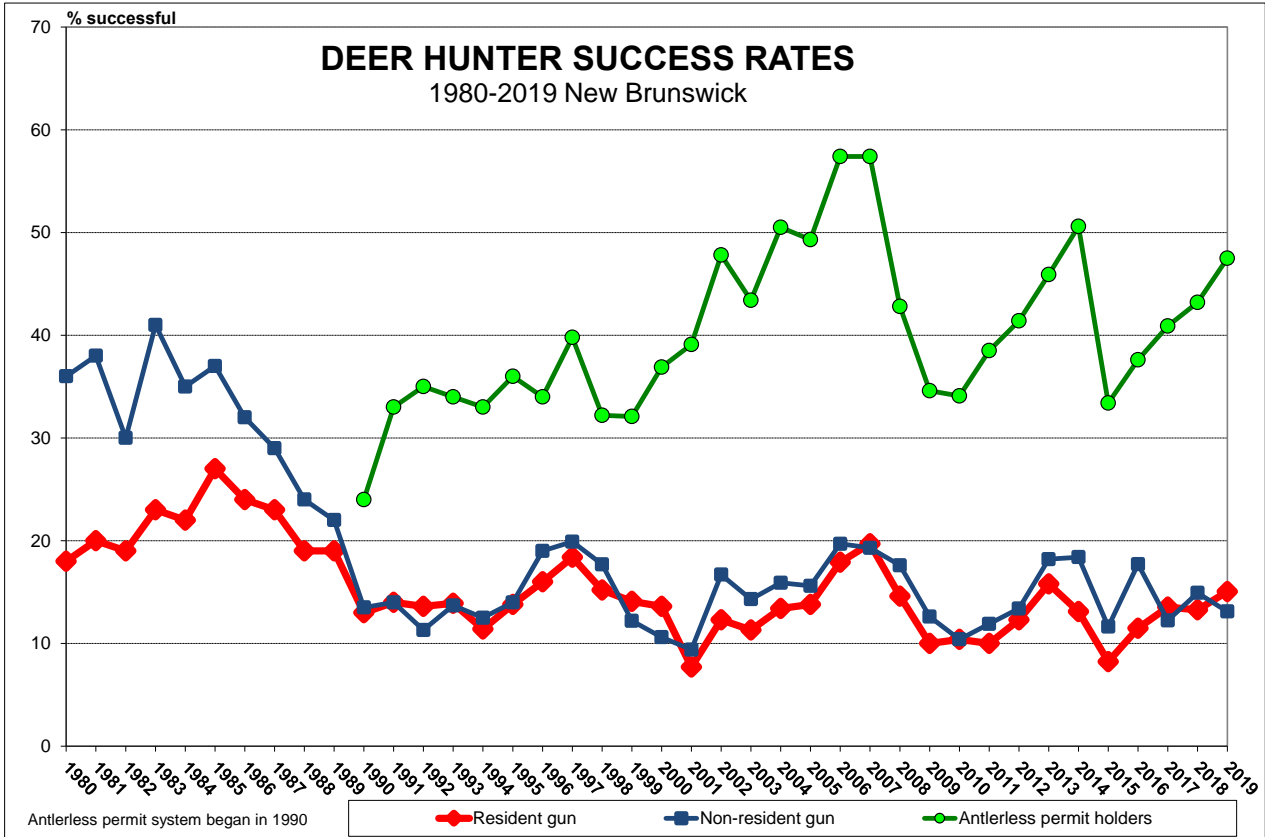
# REGISTERED DEER KILL BY WILDLIFE MANAGEMENT ZONE 2019 NEW BRUNSWICK

WMZ	ADULT MALES	ADULT FEMALES	FAWN MALES	FAWN FEMALES	TOTAL HARVEST	2018 HARVEST
1	22		1		23	18
2	98	1			99	129
3	40		2		42	25
4		<b>Closed Season</b>			0	0
5		<b>Closed Season</b>			0	0
6	155	3	5		163	178
7	85		1		86	65
8	43				43	48
9		<b>Closed Season</b>			0	0
10	254	28		2	284	326
11	114	3			117	133
12	117	1	2		120	75
13	58	1			59	24
14	56		1		57	36
15	87	1			88	104
16	491	80	5	5	581	432
17	221	4		1	226	149
18	168	1	1		170	110
19	256	4	3	2	265	220
20	821	226	17	25	1,089	857
21	234	2			236	185
22	1,089	302	18	13	1,422	1,251
23	834	328	31	38	1,231	1,079
24	261	1			262	211
25	297		1		298	223
26	71	30	2	1	104	99
27	153	80		5	238	246
UNKNOWN					0	
<b>TOTAL</b>	<b>6,025</b>	<b>1,096</b>	<b>90</b>	<b>92</b>	<b>7,303</b>	<b>6,223</b>

# New Brunswick 2019 Deer Harvest by Wildlife Management Zone

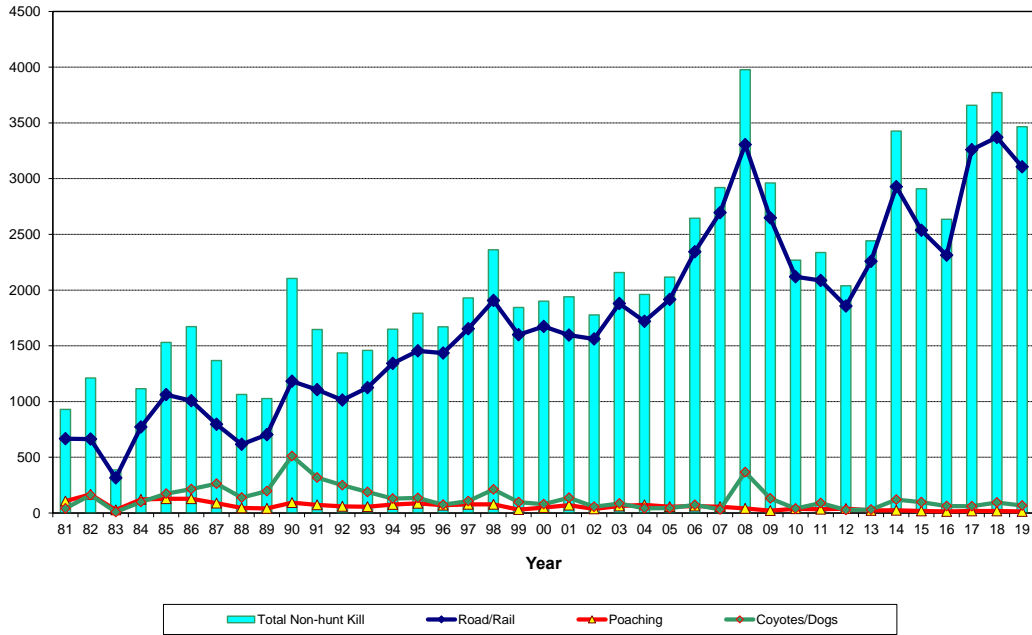
(Deer Harvest)





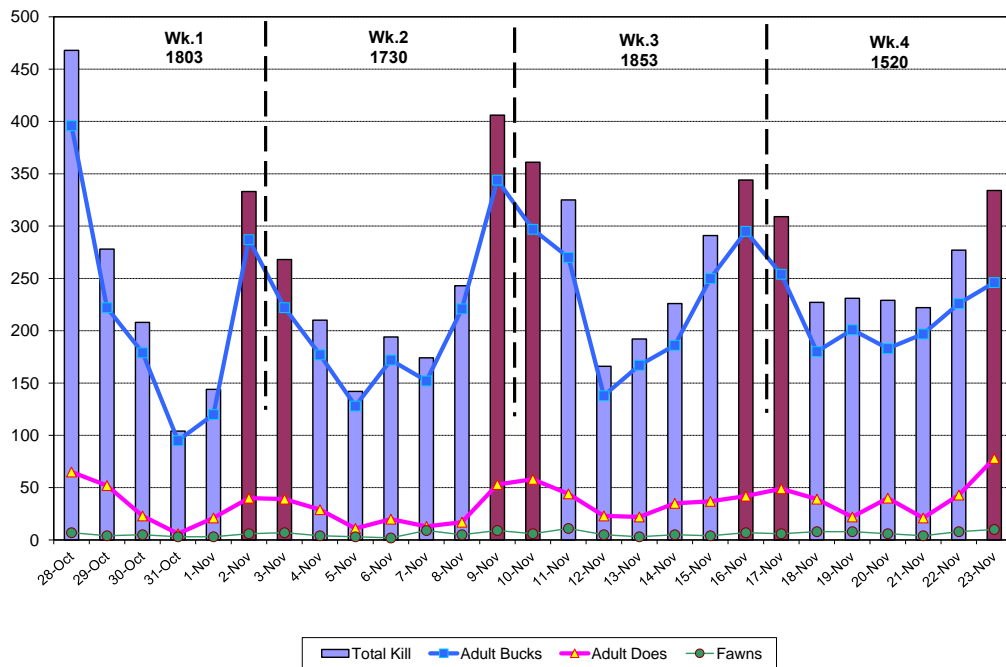


## REPORTED NON-HUNTING DEER MORTALITY 1981-2019 New Brunswick



- reported and handled by DNR staff

## DAILY DEER KILL - FIREARMS SEASON 2019 New Brunswick



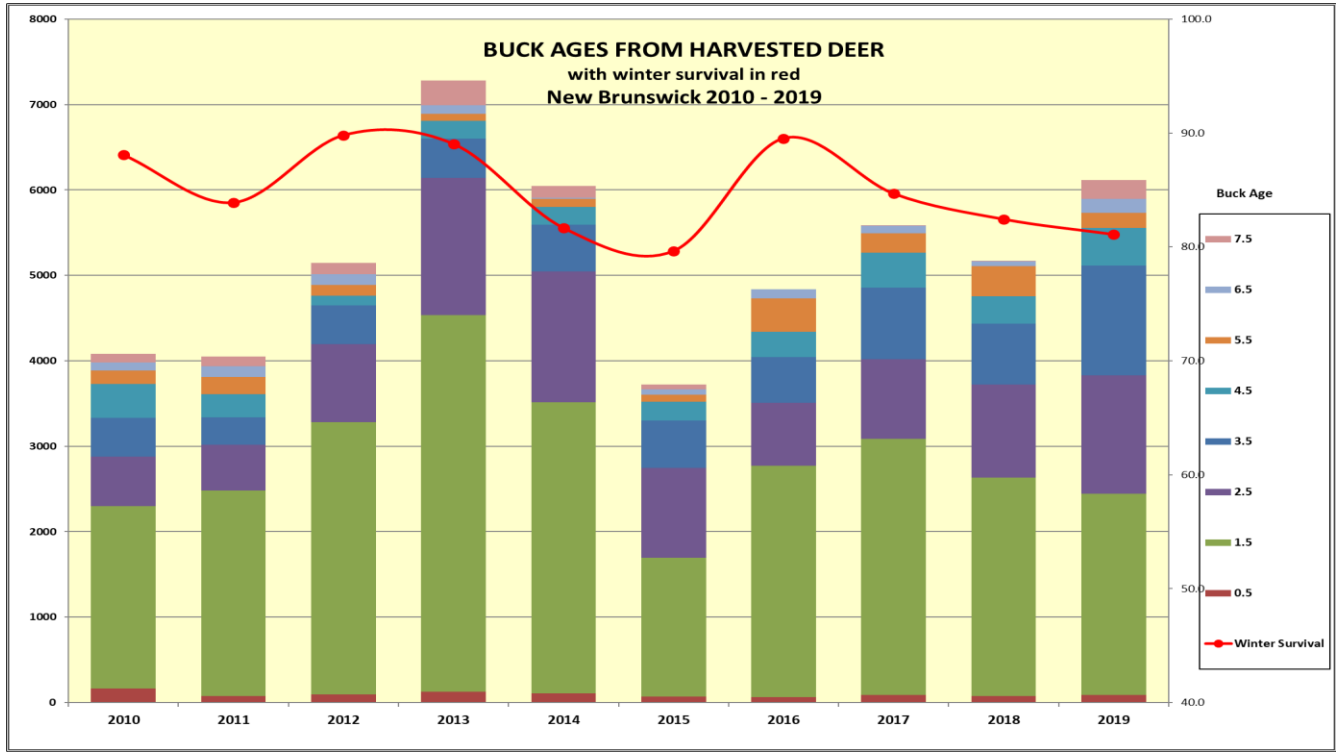
- total of 6,906 deer registered in firearm season  
 - Saturday & Sunday (dark columns)

<b>ANTLERLESS DEER TAG DRAW 2019 SUMMARY New Brunswick</b>				
WMZ	Quota	Applications	Drawn	% Successful Applicant
1	0	0	0	n/a
2	0	0	0	n/a
3	0	0	0	n/a
4	SEASON CLOSED			n/a
5	SEASON CLOSED			n/a
6	0	0	0	n/a
7	0	0	0	n/a
8	0	0	0	n/a
9	SEASON CLOSED			n/a
10	50	1,038	57	5.5%
11	0		0	n/a
12	0		0	n/a
13	0		0	n/a
14	0		0	n/a
15	0		0	n/a
16	100	904	110	12.2%
17	0		0	n/a
18	0		0	n/a
19	0		0	n/a
20	700	1,412	704	49.9%
21	0		0	n/a
22	1200	3,171	1,229	38.8%
23	1000	1,744	1,008	57.8%
24	0		0	n/a
25	0		0	n/a
26	100	98	98	100.0%
27	450	358	358	100.0%
<b>TOTALS</b>	<b>3,600</b>	<b>8,725</b>	<b>3,564</b>	<b>40.8%</b>

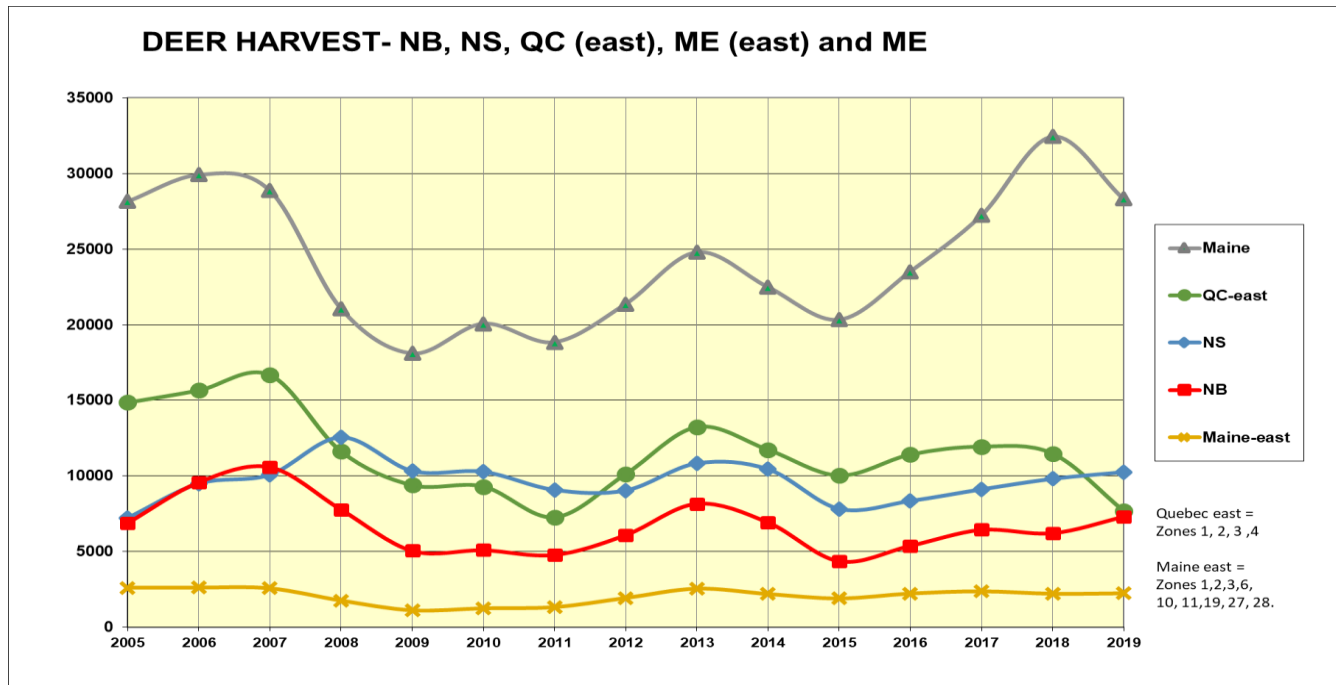
<b>ANTLERLESS DEER TAG DRAW 2010 - 2019 SUMMARY New Brunswick</b>									
2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	50	100	50
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
100	50	0	0	0	0	0	0	0	0
100	50	100	100	50	50	50	100	100	100
100	50	50	50	50	50	0	0	0	0
100	50	50	50	50	50	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
100	0	0	0	100	100	100	200	400	700
200	200	200	200	100	50	0	0	0	0
2000	1000	1500	1500	1000	800	600	700	1200	1200
1500	1000	1000	1000	800	600	600	600	1000	1000
100	50	50	50	50	50	0	0	0	0
0	0	0	0	0	0	0	0	0	0
50	50	50	50	50	50	50	50	100	100
500	400	450	450	450	450	400	400	500	450
4850	2900	3450	3450	2700	2250	1800	2100	3400	3600

 NO PERMITS AVAILABLE  
 SEASON CLOSED

## BUCK AGES FOR ALL HARVESTED BUCKS 2010 - 2019



## NEW BRUNSWICK DEER HARVEST COMPARED TO NEIGHBORING AREAS



# New Brunswick's Top Bucks of 2019

Findings based on 934 bucks of the 6025 harvested bucks (15%)  
measured at N.B. Biological Check Stations

## Largest Antler Beam Diameter

Rank	Antler Beam Diameter (mm)	WMZ	No. Points	Weight(kg)	Weight (lbs)	Age
1	58.9	2	9	82.0	180	8.5
2	48.5	12	9	99.0	218	6.5
3	47.9	15	11	102.0	224	8.5
4	47.8	1	8	91.0	200	5.5
5	47.0	23	11	91.0	200	7.5
6	45.0	23	10	100.0	220	5.5
7	44.9	20	8	84.0	185	7.5
8	44.6	2	6	101.0	222	6.5
9	43.8	2	18	89.0	196	5.5
10	43.7	20	10	105.0	231	5.5

## Heaviest Bucks

Rank	Antler Beam Diameter (mm)	WMZ	No. Points	Weight(kg)	Weight (lbs)	Age
1	32.5	22	8	136.0	299	3.5
2	32.6	2	10	125.0	275	5.5
3	35	2	8	120.0	264	5.5
4	33.6	2	6	120.0	264	10.5
5	34	12	10	119.0	262	5.5
6	38.2	2	na	116.0	255	6.5
7	29.9	8	7	114.0	251	3.5
8	28.7	3	10	114.0	251	3.5
9	40.5	16	10	112.0	246	7.5
10	na	2	9	111.0	244	6.5

## Oldest Bucks

Rank	Antler Beam Diameter (mm)	WMZ	No. Points	Weight(kg)	Weight (lbs)	Age
1	26	22	9	92.0	202	11.5
2	33.6	2	6	120.0	264	10.5
3	41	13	12	93.0	205	10.5
4	35.5	9	9	105.0	231	9.5
5	36.5	7	7	102.0	224	9.5
6	36	12	10	96.0	211	9.5
7	32	7	10	91.0	200	9.5
8	47.9	15	11	102.0	224	8.5
9	80	2	9	99.0	218	8.5
10	38.5	21	9	98.0	216	8.5

## Highest Number of Points

Rank	Antler Beam Diameter (mm)	WMZ	No. Points	Weight(kg)	Weight (lbs)	Age
1	43.8	2	18	89.0	196	5.5
2	36.5	23	15	86.0	189	7.5
3	37	22	14	90.0	198	8.5
4	39	12	13	91.0	200	6.5
5	32	7	12	100.0	220	4.5
6	40	16	12	99.0	218	7.5
7	37	22	12	98.0	216	5.5
8	38	13	12	95.0	209	6.5
9	31.5	22	12	95.0	209	4.5
10	41	13	12	93.0	205	10.5

## Average Buck Weight by Age

Age	Number	Avg. lbs	No. above 200 lbs	% above 200 lbs
1.5	352	123		
2.5	207	154	3	1%
3.5	192	172	22	11%
4.5	65	183	15	23%
5.5	27	214	14	52%
6.5	24	213	18	75%
7.5	19	202	8	42%
8.5	7	206	3	43%
9.5	4	217	3	75%
10+	3	235	3	100%
<b>All 3.5 +</b>	<b>341</b>	<b>205</b>	<b>86</b>	<b>25%</b>

# **BLACK BEAR HARVEST REPORT – 2019**

## **Summary**

Hunters harvested a total of 1,846 black bears during New Brunswick's 2019 hunting seasons. 1,464 bears were taken in the spring season, 382 were taken during the fall gun season, and 3 were taken during the fall bow-only season in September. Of the 25 Wildlife Management Zones (WMZ's) that have black bear populations, 8 WMZ's (5, 7, 10, 12, 13, 15, 16 and 20) contributed over 50% of the total harvest.

A total of 7,201 black bear licences were sold in 2019, down from 2018 (7,257). Of this total, 2,422 were purchased by non-residents. There were 4,779 New Brunswick residents who purchased bear hunting licences. Non-resident hunters harvested 1,301 bears for a 54% success rate, whereas residents harvested 545 bears for a success rate of 11%. Of the total harvest, 448 animals (24%) were taken by bow hunting.

Of 88 bears reported killed that were not taken by hunters, 71 were killed by motor vehicles and 4 were destroyed as nuisance animals.

## **2020 Synopsis**

New Brunswick's black bear population is currently estimated at more than 16,000 in 2016 animals. Bear hunters should expect to have an average year during the 19 weeks of bear hunting opportunity in 2020.

## BLACK BEAR HARVEST STATISTICS 1971 - 2019 New Brunswick

Year	Estimated Population <sup>1</sup>	LICENCES SOLD			Non-Resident Licences Used <sup>a</sup>	BLACK BEAR HARVEST			
		Resident	Non-Resident	Total		Resident	Non-Resident	Unknown/Other <sup>b</sup>	Total
1971		2,357	1,172	3,529		Unknown	Unknown		Unknown
1972		4,827	1,016	5,843		Unknown	Unknown		Unknown
1973		6,156	1,152	7,308		449	161		610
1974		7,783	956	8,739		Unknown	118		Unknown
1975		9,729	871	10,600		Unknown	Unknown		Unknown
1976		11,780	775	12,555		444	190		634
1977		5,459	730	6,189		Unknown	Unknown		Unknown
1978		3,535	470	4,005		Unknown	Unknown		Unknown
1979		5,032	547	5,579		587	190		777
1980		1,326	685	2,011		365	316		681
1981		1,233	790	2,023		180	172		352
1982		1,314	1,282	2,596		330	325		655
1983		1,438	1,420	2,858		352	449		801
1984 <sup>c</sup>		1,649	1,935	3,584		125	455	293	873
1985		1,519	2,124	3,643		133	498	87	718
1986		2,069	2,817	4,886		173	598	38	809
1987		2,130	3,235	5,365		154	770	52	976
1988		2,077	3,342	5,419		200	793	69	1,062
1989		1,119	2,599	3,718		182	798	71	1,051
1990		984	2,413	3,397		212	842	34	1,088
1991		887	1,827	2,714		168	612	36	816
1992		854	1,850	2,704		212	795	46	1,053
1993	8,407	1,022	1,980	3,002		288	865	51	1,207
1994	8,522	1,193	2,321	3,514		331	980	49	1,360
1995	7,544	1,131	2,659	3,790		281	1,103	108	1,491
1996	9,195	1,083	2,623	3,706		292	1,077	41	1,410
1997	12,718	1,068	2,685	3,695	2,304	254	1,046	30	1,330
1998	10,370	1,091	2,584	3,675	2,414	243	1,087	64	1,394
1999	15,059	1,263	2,589	3,852	2,357	236	1,198	86	1,520
2000	16,558	1,330	3,275	4,605	3,047	352	1,577	80	2,009
2001	17,503	1,599	3,199	4,798	2,998	264	1,517	113	1,894
2002	14,623	1,808	3,297	5,105	3,106	380	1,525	74	1,979
2003	14,503	1,868	3,512	5,380	3,015	293	1,663	87	2,043
2004	14,149	1,958	3,609	5,567	3,357	352	1,759	116	2,227
2005	14,076	1,920	3,416	5,336	3,225	297	1,681	107	2,085
2006	15,390	2,113	3,228	5,341	3,012	359	1,565	113	2,037
2007	15,403	2,300	2,899	5,199	2,707	347	1,517	148	2,012
2008	12,999	2,569	2,740	5,309	2,380	407	1,357	121	1,885
2009	15,365	2,980	2,205	5,185	2,053	459	1,210	162	1,831
2010	14,815	3,163	2,145	5,308	1,984	517	1,260	167	1,944
2011	13,666	2,956	1,972	4,928	1,915	515	1,090	130	1,735
2012	13,755	3,245	1,844	5,089	1,810	473	1,237	161	1,871
2013	12,574	3,485	1,818	5,303	1,783	518	1,048	173	1,739
2014		3,968	2,016	5,984	1,965	495	1,179	123	1,797
2015		4,032	2,115	6,147	2,105	549	1,135	108	1,792
2016	16,000	4,801	2,265	7,066	2,222	689	1,397	115	2,201
2017		4,878	2,216	7,094	2,188	676	1,252	131	2,059
2018		5,146	2,111	7,257	2,093	708	1,461	178	2,347
2019	16,000	4,779	2,422	7,201	2,422	545	1,301	88	1,934

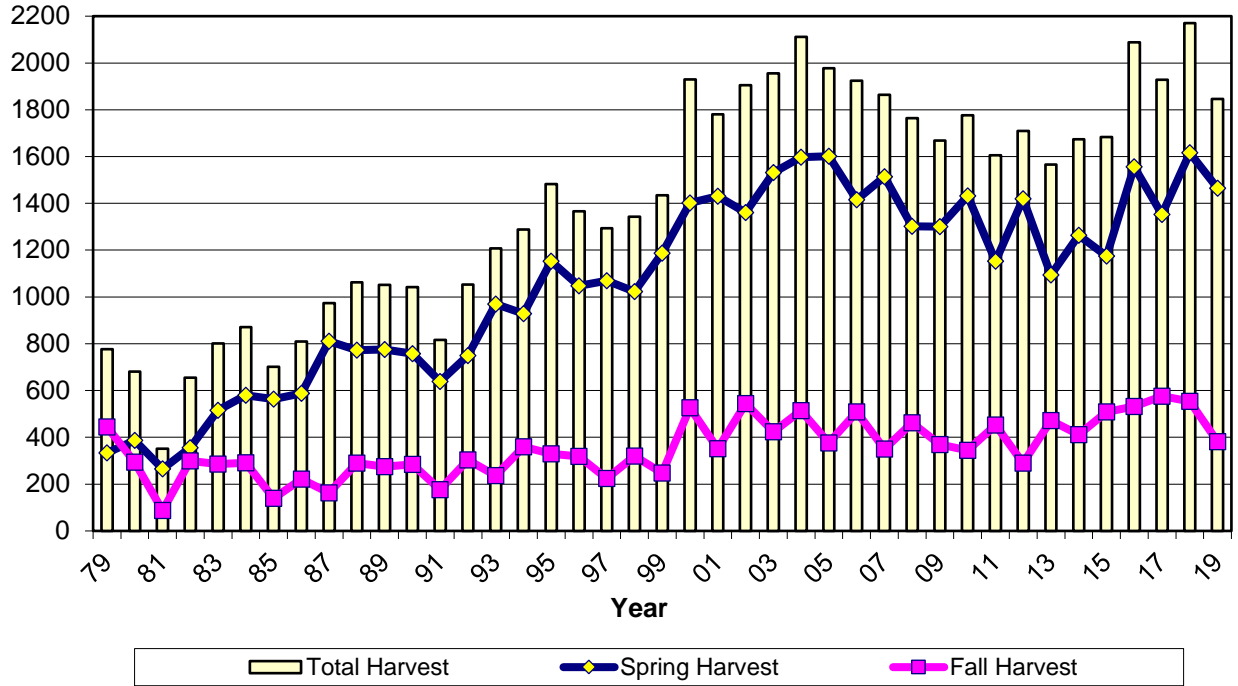
1 - This column represents estimated pre-hunt adult bear population - calculated every 3 years.

a - This column reflects the number of non-resident hunters who actually hunted bears in New Brunswick. Some non-resident bear hunting licences are allocated to outfitters but not all of the purchased licences may actually be used by clients. As well, non-residents will buy licences in advance of their trip and sometimes fail to come to New Brunswick to use them.

b - Refers to animals reported as being killed by motor vehicles, other accidental means, as nuisances or poached.

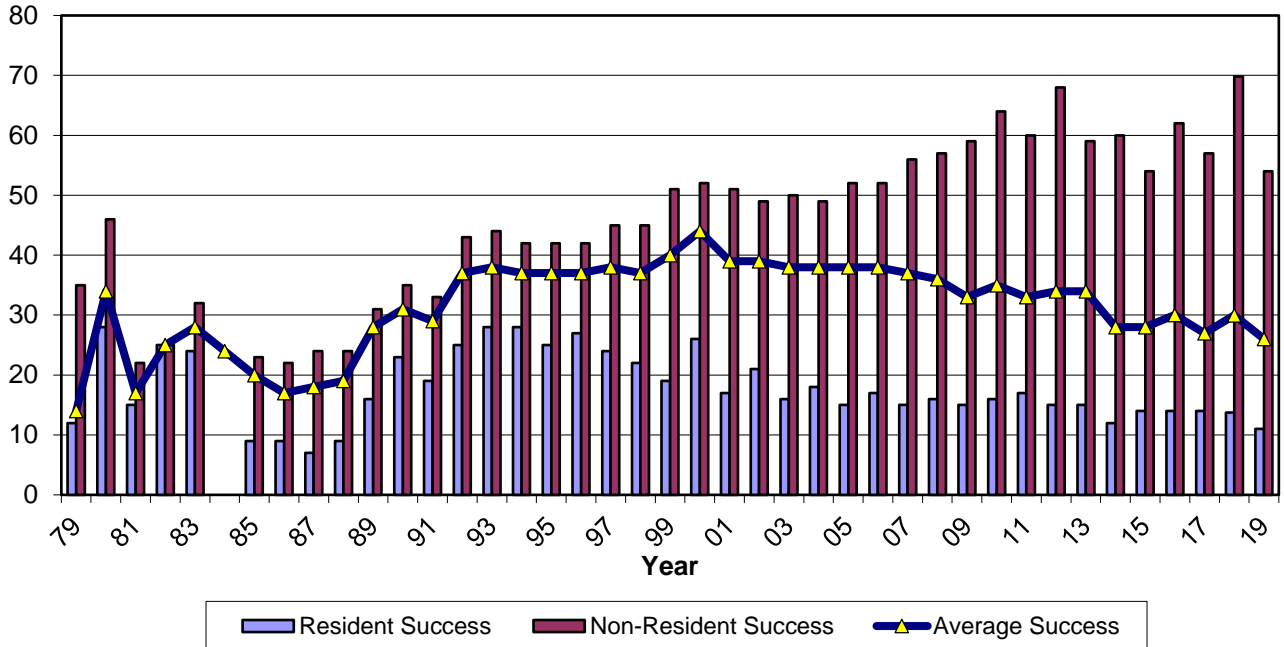
c - Mandatory registration began in fall of 1984.

### SPRING AND FALL BLACK BEAR REGISTRATIONS 1979 - 2019 New Brunswick



79-84 kill estimated from hunter survey

### BEAR HUNTER SUCCESS (%) 1979 - 2019 New Brunswick (Residents and Non-Residents)



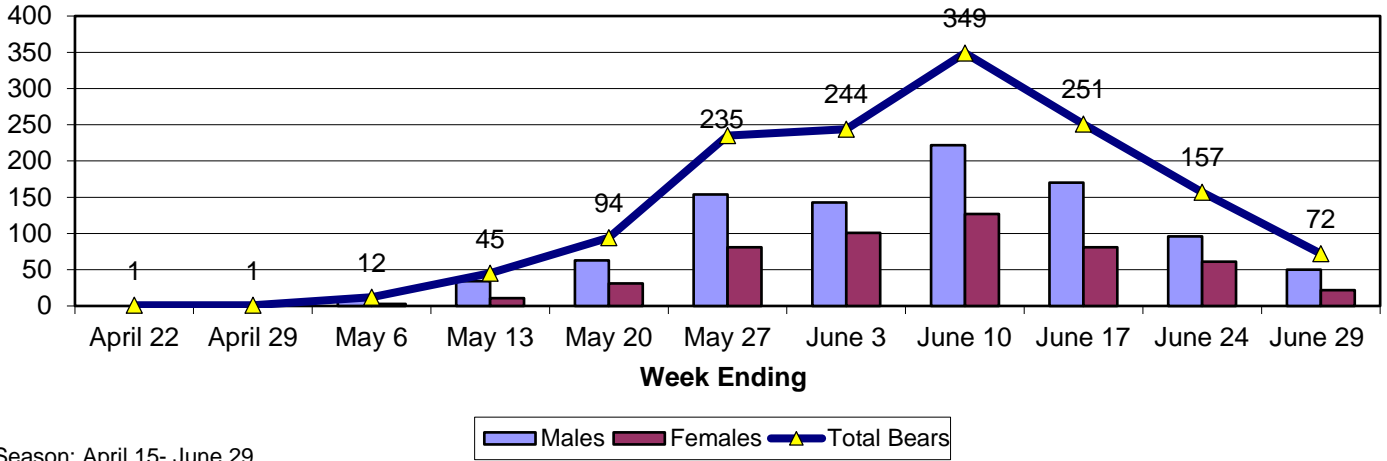
79-84 kill estimated from hunter survey  
unknown res./non-res. kill for 1984

**Registered Black Bear Kill  
By Wildlife Management Zone  
Hunting Mortality 2019 New Brunswick**

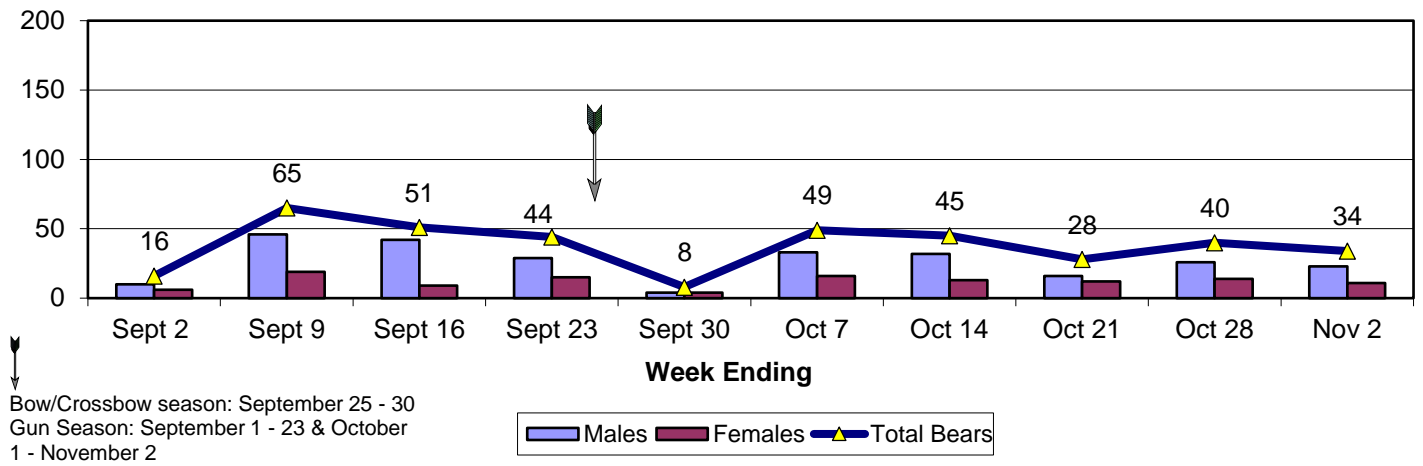
<b>WMZ</b>	<b>Area (km<sup>2</sup>)</b>	<b>#Males</b>	<b>#Females</b>	<b>Unknown Sex</b>	<b>Kill per km<sup>2</sup></b>	<b>Total Harvest</b>
1	813	7	3	0	0.012	10
2	2666	22	10	0	0.012	32
3	2865	35	21	0	0.020	56
4	3613	39	21	0	0.017	60
5	3206	65	38	0	0.032	103
6	2580	54	21	0	0.029	75
7	6265	94	59	0	0.024	153
8	4116	44	19	0	0.015	63
9	1109	5	5	0	0.009	10
10	2800	59	41	0	0.036	100
11	2536	41	25	3	0.027	69
12	3421	66	50	0	0.034	116
13	2639	67	36	0	0.039	103
14	2357	31	11	0	0.018	42
15	2681	93	43	0	0.051	136
16	4274	102	63	0	0.039	165
17	3056	47	18	0	0.021	65
18	2341	25	8	0	0.014	33
19	2212	28	8	0	0.016	36
20	5255	129	57	0	0.035	186
21	2561	40	29	0	0.027	69
22	2934	49	18	0	0.023	67
23	2538	17	12	0	0.011	29
24	2002	27	13	0	0.020	40
25	2062	17	10	0	0.013	27
26	39	<b>NO OPEN SEASON</b>				
27	155					
<b>Unknown</b>	--	1	0	0	--	4
<b>Province</b>	<b>72,902</b>	<b>1,204</b>	<b>639</b>	<b>3</b>	<b>0.025</b>	<b>1,846</b>



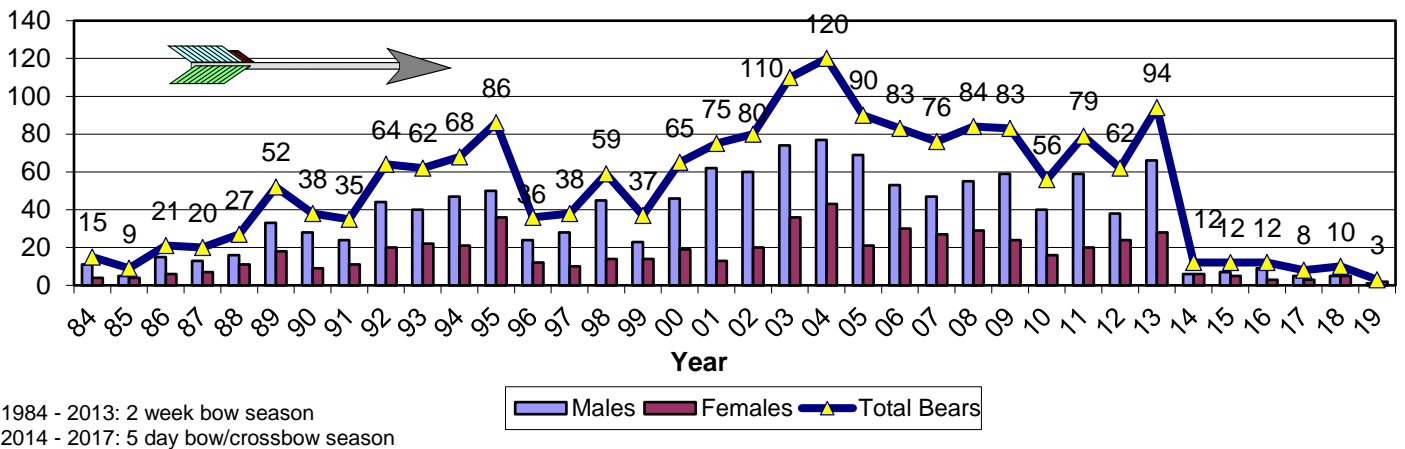
### SPRING BLACK BEAR HARVEST BY WEEK OF KILL 2019 NEW BRUNSWICK



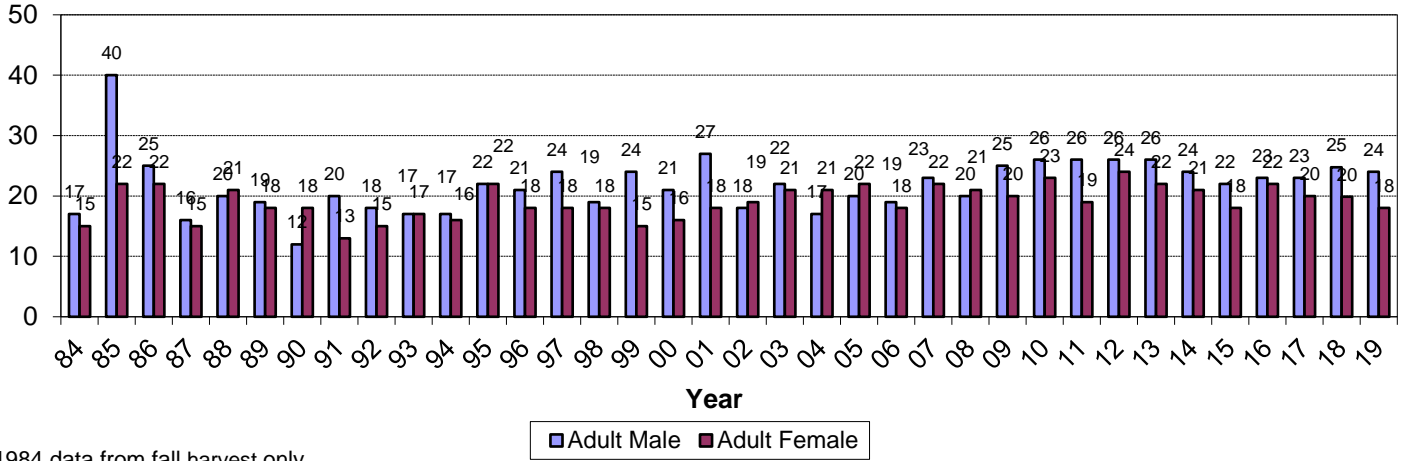
### FALL BLACK BEAR HARVEST BY WEEK OF KILL 2019 NEW BRUNSWICK



### BLACK BEAR SEPTEMBER BOW SEASON HARVEST 1984-2019 NEW BRUNSWICK

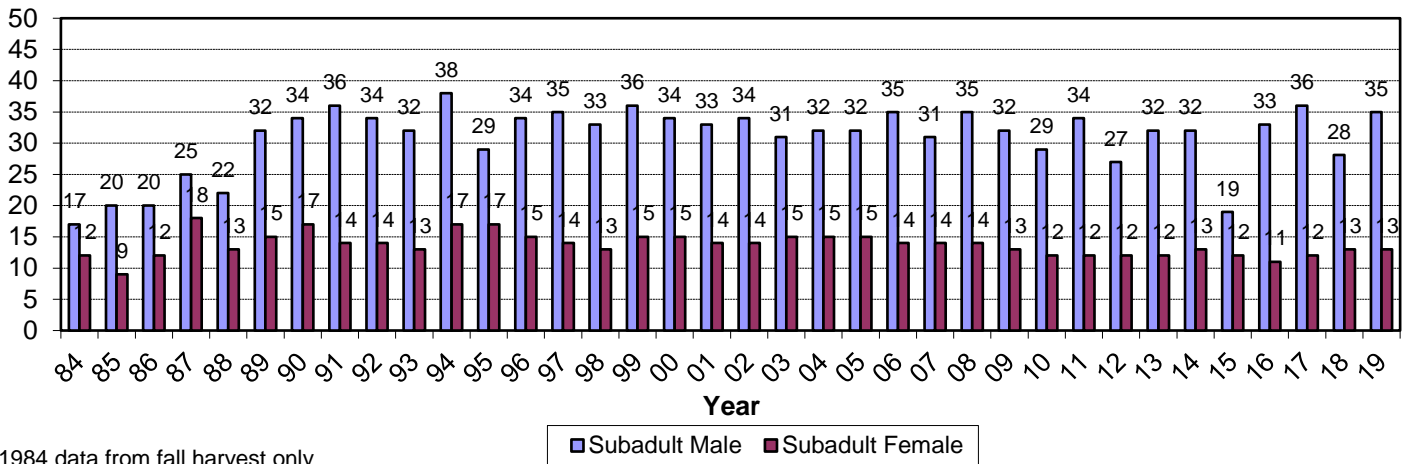


### SEX RATIOS OF ADULTS [>3.5 Years] % OF HARVEST 1984-2019 NEW BRUNSWICK



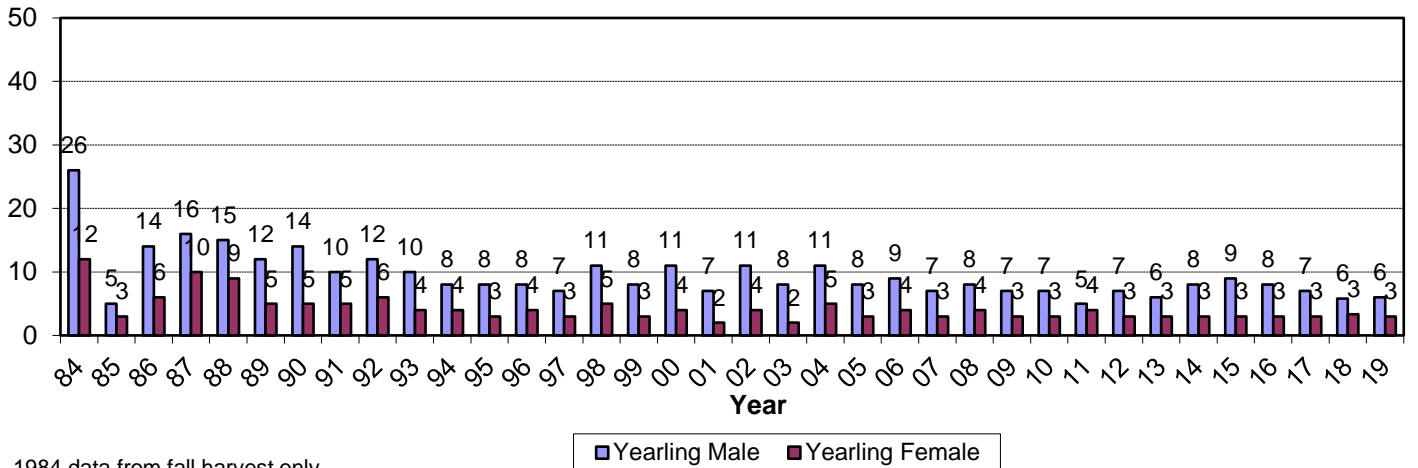
1984 data from fall harvest only

### SEX RATIOS OF SUBADULTS [2.5-3.5 Years] % OF HARVEST 1984-2019 NEW BRUNSWICK



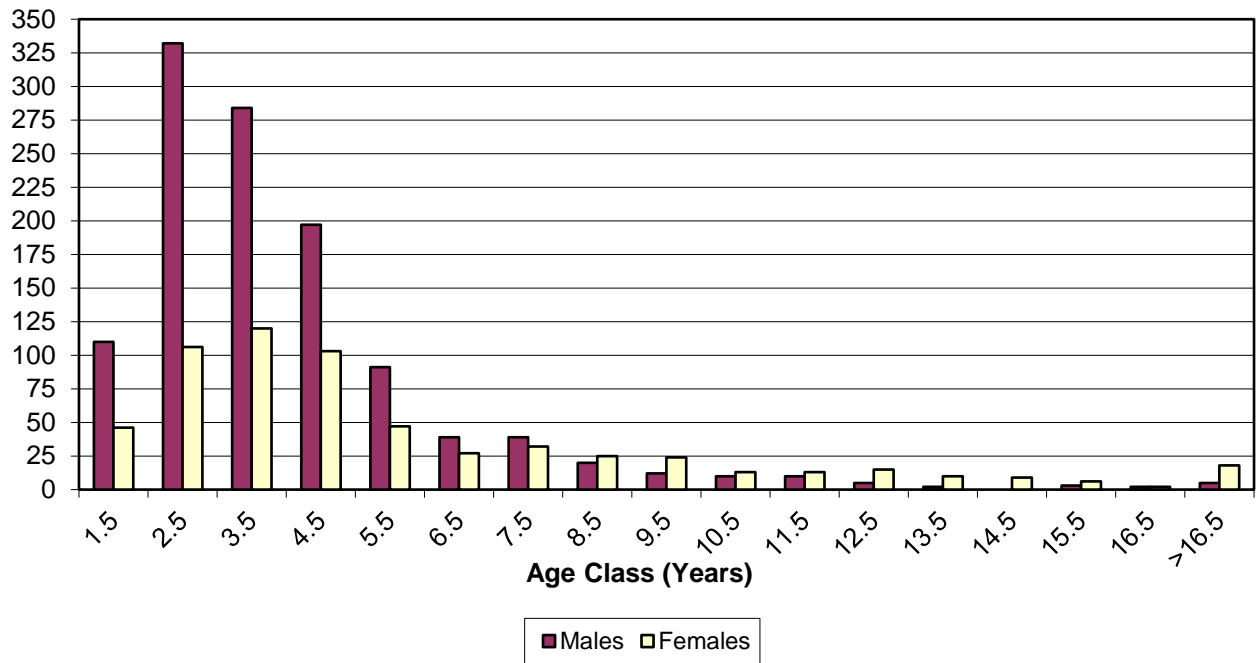
1984 data from fall harvest only

### SEX RATIOS OF YEARLINGS [0.5-1.5 Years] % OF HARVEST 1984-2019 NEW BRUNSWICK



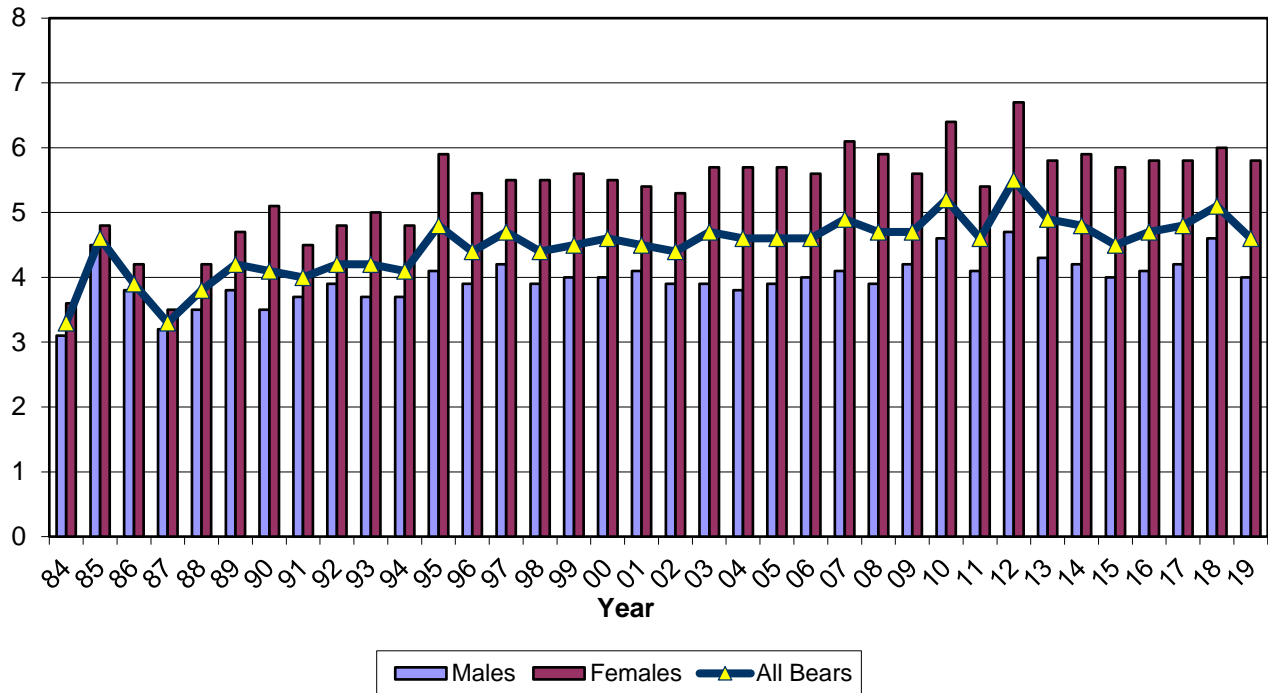
1984 data from fall harvest only

### BLACK BEAR AGE AND SEX SUMMARY (Spring and Fall Harvest) 2019 NEW BRUNSWICK



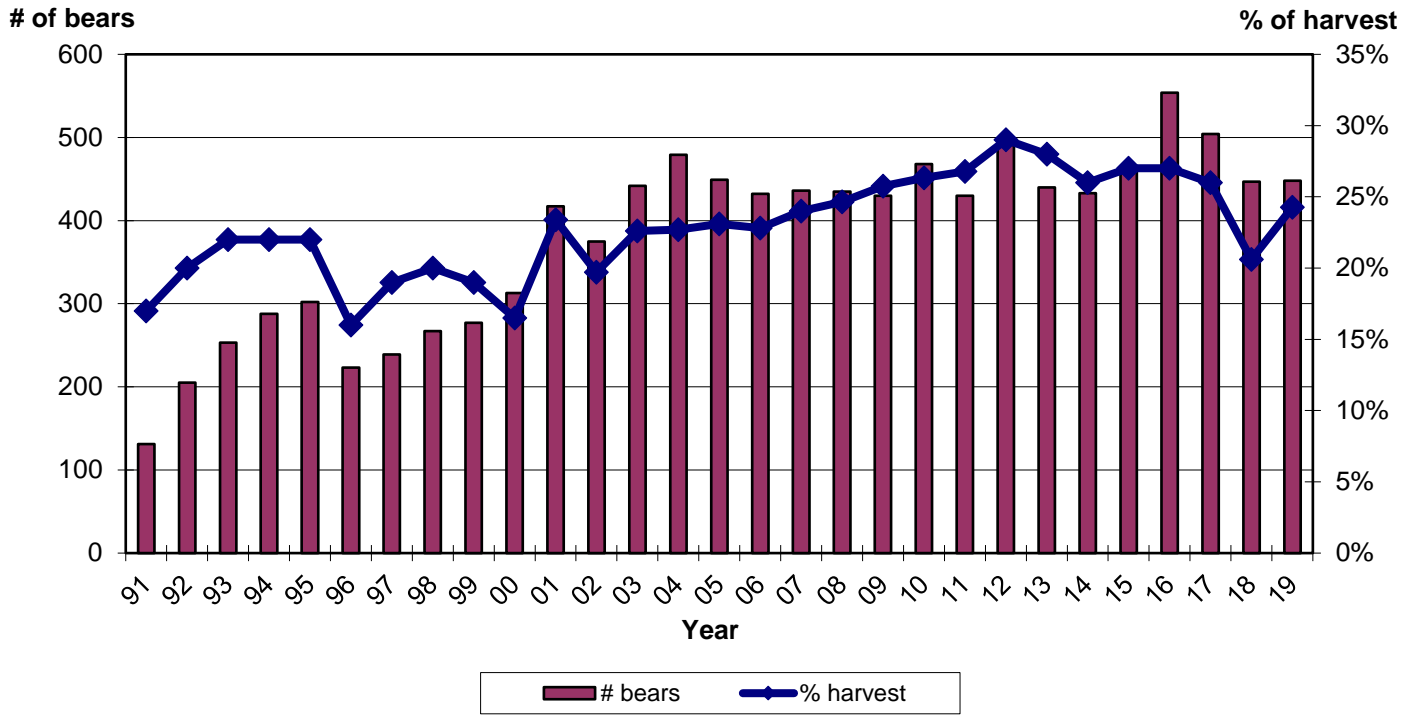
Sex or age unknown (63)

### AVERAGE AGE OF BEARS REGISTERED 1984-2019 NEW BRUNSWICK



1984 data from fall harvest only

### Percent of Bears Harvested With Bow and Number of Bears Harvested With Bow New Brunswick 1991 - 2019



# BIG GAME BAG LIMITS, SEASON DATES, LICENCE FEES AND LICENCE REVENUES New Brunswick - 2019

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**DEER:** Bag Limit: 1 deer per year (antlerless deer by permit only)

Archery Season:

WMZ 1-3: 7 October - 10 November

WMZ 6-8; 10-27 7 October - 23 November

Rifle Season:

WMZ 1-3: 28 October - 10 November

WMZ 6-8: 10-27 28 October - 23 November

Licence Fees: \$ 173 Non-resident  
\$ 29 Resident  
\$ 14 Resident Senior

Licence Revenue: \$ 1,119,230

Application Fee: \$ 4 (Antlerless Deer Draw)

Application Revenue: \$ 34,900

**TOTAL REVENUE - DEER \$ 1,154,130**

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**MOOSE:** Bag Limit: 1 moose per year (either sex)

Season: 24 - 28 September

Licence Fees: \$ 72 Resident  
\$ 37 Resident Senior  
\$ 548 Non-resident

Licence Revenue: \$ 574,974

Application Fee: \$ 6.30 Resident  
\$ 26.25 Non-resident

Application Revenue: \$ 430,654

**TOTAL REVENUE - MOOSE: \$ 1,005,628**

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**BEAR:** Bag Limit: 1 bear per licence (either sex).  
Maximum of two licences may be purchased per year.  
Bear registration permit required to purchase second licence.

Spring Rifle Season: 15 April - 29 June

Fall Archery Season: 23 - 28 September

Fall Rifle Season: 2 - 21 September; 1 October – 2 November

Licence Fees: \$ 37 Resident  
(per season) \$ 18 Resident Senior  
\$ 143 Non-resident

Licence Revenue: \$ 505,491

Application Fee: \$ 26.25 Non-resident

Application Revenue: \$ 7,376

**TOTAL REVENUE - BEAR: \$ 512,867**

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**GRAND TOTAL (REVENUE) BIG GAME: \$ 2,672,625**