

**REGION ONE
ELK ANNUAL REPORT
JULY 2019 – JUNE 2020**

PREPARED BY

**BRUCE STERLING
WILDLIFE BIOLOGIST
THOMPSON FALLS**



HARVEST:

The 2019 archery season dates were 7 September through 20 October and the general big game season dates were 26 October through 1 December. The 2019 hunting season saw limited storms impact northwestern Montana. The few storms that did hit the area deposited snow mostly in the higher elevations. The lack of accumulating snow in the lower to mid-elevations may have contributed to one of the smallest harvests in the region in the past 20 years. The 2019 harvest (Table 4) of 809 elk is significantly below both the 2018 harvest and the region's ten-year (2009-2018) average. In fact, the 2019 harvest is the second lowest since 1969, only being eclipsed by the 1999 season. Region One harvest records go back to 1969 (Table 5). No harvest data are available for the 1997 and 1998 hunting seasons.

There are 19 big game hunting districts in Region One. The general hunting season structure in all districts is brow-tined bull with limited antlerless hunting by special permit in most districts. Hunting District 170 has an either-sex season. The archery season is either-sex in all hunting districts. Five hunting districts saw an increase in harvest when compared to the 2018 season (102, 103, 122, 141 and 170), but only two districts (122 and 141) saw an increase in harvest compared to the 10-year average.

Hunter effort data were not available for 2019. However, data from 2018 show a decreasing trend in the number of elk hunters in Region One.

Five Region One check stations were operated for twelve days each (weekends only) during the 2019 general season at Canoe Gulch, Olney, Swan, Thompson Falls and just west of Kalispell on U.S. Highway 2. A total of 56 elk (41 bulls and 15 cows) were examined representing 7 percent of the regional harvest as reported in the statewide harvest report for 2019. Tables 7 and 8 show the change in age distribution of bull elk checked at the regional check stations from the season structure where any bull was legal (1995-1997) through the current brow-tined bull season. The number of bull elk checked has dropped considerably from the peak in 2004 to 2018, but the average age as remained steady between 3.0 – 3.5 years of age (Table 7). The majority of bulls checked are 2.5 years of age (Table 8). Age data for the 2019 harvest season were not available for this report.

POPULATIONS:

Generally, FWP wildlife biologist use a department helicopter to conduct elk classification surveys during the spring of each year. But the spring of 2020 was no ordinary year! Because of the coronavirus pandemic and Covid-19 all elk surveys in Region One were cancelled. Surveys are generally flown in April to correspond with the "greenup" of vegetation. This window of opportunity is short but remains the best time to locate and classify elk in northwest Montana.

Table 1 shows the sex and age classification of elk observed during a ground survey in HD 121 in the spring of 2020. The winter of 2019/20 was mild with average amounts of precipitation and temperature. Accumulated snow in the higher elevations was at or slightly above average while below normal snow depth occurred in the lower elevations. Mild winters typically allow for increased winter survival of both adults and calves. Calf survival in HD 121 increased to 22 calves per 100 cows in the spring of 2020. This is significantly higher than the average of the previous three years where recruitment was 15 calves per 100 cows in Region One. A recruitment level of 22 calves per 100 cows is high enough to maintain the population at the current size. Comparison of Region One elk sex and age classification for the past 50 years is presented in Table 2.

TABLE 1. 2019 REGION ONE ELK AGE AND SEX CLASSIFICATION BY HUNTING DISTRICT

	Total						Calves:	Bulls:	
<u>Year</u>	<u>Cows</u>	<u>Calves</u>	<u>Spikes</u>	<u>BTB</u>	<u>Bulls</u>	<u>Uncl.</u>	<u>Total</u>	<u>100 Cows</u>	<u>100 Cows</u>
2020#	556	124	29	16	45	0	725	22	12

Ground Survey Only.

TABLE 2. REGION ONE COMPARISON OF ELK AGE AND SEX CLASSIFICATION FROM SPRING SURVEYS, 1971-2020.

					Total		Calves:	Bulls:
<u>Year</u>	<u>Cows</u>	<u>Calves</u>	<u>Spikes</u>	<u>BTB</u>	<u>Bulls</u>	<u>Total</u>	<u>100 Cows</u>	<u>100 Cows</u>
1971	833	277	58	155	213	1323	33	19
1972	878	247		167*	167	1366	28	19
1973	825	142		164*	164	1131	17	22
1974	751	202	74	157	231	1184	27	31
1975	788	244	75	116	191	1214	31	25
1976	877	195	80	105	185	1257	22	21
1977	720	193	32	80	112	1025	27	16
1978	781	227	74	145	219	1227	29	28
1979	1110	365	83	147	230	1705	33	21
1980	1152	280	69	149	218	1650	24	19
1981	1221	370	86	124	210	1801	31	18
1982	1202	351	100	124	224	1777	29	19
1983	1515	391	109	173	282	2188	26	19
1984	1288	425	172	153	325	2038	33	25
1985	1226	323	66	70	136	1685	26	11
1986	1350	584	98	140	238	2172	43	18
1987	1681	591	122	113	235	2507	35	14
1988	1723	778	173	89	262	2763	45	17
1989	2031	713	167	153	320	3064	35	16
1990	2185	731	195	167	362	3278	33	17
1991	1992	584	116	135	251	2827	29	15
1992	1516	486	143	173	316	2501	32	21
1993	2036	530	147	222	369	3239	26	18
1994	1905	530	121	223	344	3329	28	18
1995	1649	523	88	137	225	2787	32	14
1996	1419	294	57	91	148	2025	21	11
1997	1635	334	64	69	133	2425	20	8
1998	1424	253	59	87	146	1880	18	10
1999	1932	637	123	109	232	2841	33	12
2000	2036	646	143	119	262	2995	32	13
2001	1637	588	128	73	214	2661	36	13
2002	2090	562	187	140	327	3181	27	16
2003	2271	590	211	190	401	3705	26	18
2004	1511	351	127	167	294	2679	23	20
2005	1771	441	161	158	319	3043	25	18

2006	1305	335	135	105	240	1927	26	18
2007	1656	385	164	185	349	2605	23	21
2008	2282	429	145	211	356	3444	19	18
2009	1653	245	78	176	254	2343	15	15
2010	2303	566	102	179	281	3260	25	12
2011*	1111	161	58	75	133	1413	15	12
2012	1726	383	105	154	259	3382	22	15
2013	1671	373	86	135	221	2382	22	13
2014	1941	461	77	112	189	2763	24	10
2015	1691	373	127	69	196	2309	22	12
2016	1790	446	101	112	213	2485	25	12
2017	2016	231	108	105	213	2480	11	11
2018*	1351	230	63	44	107	1707	17	8
2019	1827	306	97	81	178	2327	17	10
2020#	556	124	29	16	45	725	22	8
10-year Avg.	1890	381	103	133	236	2718	20	13
*	Very poor survey conditions region wide. Only 3 hunting districts surveyed.							
	Not included in 10-year average.							
#	Ground survey only in HD 121.				Not included in 10-year average.			

TABLE 3. SURVEY HISTORY, AGE AND SEX CLASSIFICATIONS, FOR SEVERAL REGION ONE HUNTING DISTRICTS.

HUNTING DISTRICT 103

					Total		Total	Calves:	Bulls:
<u>Year</u>	<u>Cows</u>	<u>Calves</u>	<u>Spikes</u>	<u>BTB</u>	<u>Bulls</u>	<u>Uncl.</u>	<u>Elk</u>	<u>100 Cows</u>	<u>100 Cows</u>
1977	54	20	1	4	5	0	79	37	9
1980	86	45	12	4	16	7	154	52	19
1981	38	16	3	13	16	1	71	42	42
1982	93	29	3	7	10	0	132	31	11
1983	86	27	10	9	19	2	134	31	22
1984	35	14	2	0	2	17	68	40	6
1985	174	69	7	1	8	0	251	40	5
1986	13	7	2	1	3	0	23	54	23
1987	188	63	6	2	8	0	259	34	4
1988	51	20	0	1	1	0	72	39	2
1989	36	11	5	0	5	0	52	31	14
1990	157	68	9	5	14	5	244	43	9
1991	134	55	7	7	14	0	203	41	10
1992	27	12	5	10	15	0	54	44	56
1993	64	28	5	7	12	0	104	44	19

1994	76	15	2	6	8	0	99	20	11
1995	85	28	5	9	14	0	127	33	17
1996	68	34	4	1	5	0	107	50	7
1997	70	15	2	1	3	1	89	21	4
1998	39	7	0	2	2	0	48	18	5
1999	136	54	13	2	15	0	205	40	11
2000	144	68	6	0	6	0	218	47	4
2001	206	106	28	4	32	0	344	51	16
2002	207	83	15	9	24	0	314	40	12
2003	255	61	18	18	36	0	352	24	14
2004	No Survey								
2005	116	39	13	12	25	160	340	34	22
2006	103	43	14	1	15	0	161	42	15
2007	150	60	10	24	34	49	293	40	23
2008	258	82	28	33	61	76	477	32	24
2009	152	34	11	13	24	0	210	22	16
2010	209	54	9	11	20	0	283	26	10
2011	No Survey								
2012	n/a	n/a	n/a	7	7	126	133	n/a	n/a
2013	144	32	5	17	22	0	198	22	15
2014	191	50	6	0	6	0	247	26	3
2015	86	17	0	7	7	2	112	20	8
2016	45	5	0	0	0	0	50	11	n/a
2017	178	23	3	0	3	0	204	13	2
2018	No Survey								
2019	134	41	4	0	4	0	181	31	3
2020	No Survey								
10 Yr.	155	40	8	9	15	20	210	24	12
Avg.									

HUNTING DISTRICT 121

					Total			Calves:	Bulls:
Year	Cows	Calves	Spikes	BTB	Bulls	Uncl.	Total	<u>100</u> Cows	<u>100</u> Cows
1986	314	183	39	75	114	95	706	58	36
1987	425	230	56	21	77	124	856	54	18
1988	550	268	69	28	97	128	1043	49	18
1989	656	243	59	48	107	20	1025	37	16
1990	768	283	82	77	159	28	1238	37	21
1991	605	249	65	50	115	22	991	41	19
1992	529	195	68	44	112	17	853	37	21
1993	763	194	79	82	161	33	1151	25	21
1994	501	152	48	78	126	24	803	30	25
1995	487	186	34	62	96	99	868	38	20
1996	638	121	30	76	106	0	865	19	17
1997	515	89	30	28	58	0	662	17	11
1998	553	101	39	59	98	53	805	18	18
1999	716	215	45	66	111	6	1048	30	16

2000	792	251	60	63	123	8	1174	32	16
2001	706	223	65	36	101	31	1061	32	14
2002	788	208	88	81	169	18	1183	26	21
2003	1039	272	97	51	148	43	1502	26	14
2004	906	211	84	81	165	46	1328	23	18
2005	943	215	94	91	185	189	1532	23	20
2006	878	210	94	90	184	37	1309	24	21
2007	1074	211	130	128	258	60	1603	20	24
2008	984	141	90	111	201	30	1356	14	20
2009	977	169	50	101	151	42	1339	17	16
2010	982	271	67	68	135	66	1454	28	14
2011*	666	121	41	26	67	8	862	18	10
2012	1022	202	77	43	120	74	1418	20	12
2013	1036	258	55	76	131	117	1542	25	13
2014**	1140	313	39	51	90	15	1558	28	8
2015	1065	273	94	39	133	33	1504	26	13
2016	1169	323	71	60	131	30	1653	28	11
2017	1260	164	86	57	143	19	1586	13	11
2018**	1186	218	61	39	100	6	1510	18	8
2019	1097	190	79	49	128	3	1418	17	12
2020#	556	124	29	16	45	0	725	22	8
10-YR	1093	238	68	58	126	41	1498	22	12
AVG.									
* Poor greenup conditions. Field survey only.									
Not included in 10-year average.									
** Limited survey in side drainages because of poor greenup and snowy conditions.									
# Ground surveys only.			Not included in 10-year average						

HUNTING DISTRICT 123

					Total			Calves:	Bulls:
<u>Year</u>	<u>Cows</u>	<u>Calves</u>	<u>Spikes</u>	<u>BTB</u>	<u>Bulls</u>	<u>Uncl</u>	<u>Total</u>	<u>100 Cows</u>	<u>100 Cows</u>
1990	258	85	23	11	34	6	383	33	13
1991	304	97	23	23	46	0	447	32	15
1992	144	46	4	13	17	3	210	32	12
1993#	584	191	64	20	84	0	859	33	14
1994	216	54	22	21	43	6	319	25	20
1995	204	67	6	15	21	39	331	33	10
1996	191	31	13	1	14	0	236	16	7
1997	255	33	12	13	25	16	329	13	10
1998	221	42	12	15	27	4	294	19	12
1999	293	89	13	12	25	0	407	30	9
2000	281	71	21	10	31	8	391	25	11

2001	217	71	14	11	25	0	313	33	12
2002	243	60	27	12	39	24	366	25	16
2003	246	67	24	20	44	3	360	27	18
2004	192	35	18	25	43	12	282	18	22
2005	297	77	30	21	51	11	436	26	17
2006	239	58	25	10	35	6	338	24	15
2007	No Survey								
2008	214	36	12	29	41	18	309	17	19
2009	No Survey								
2010	299	53	10	24	34	4	390	18	11
2011	No Survey								
2012	207	39	9	36	45	0	291	19	22
2013	No Survey								
2014	No Survey								
2015	319	70	28	3	31	11	431	22	10
2016	247	58	21	17	38	7	350	24	15
2017	325	20	17	21	38	1	384	6	12
2018	No Survey								
2019	347	42	12	16	28	1	428	12	8
2020	No Survey								
10-YR	269	49	18	20	38	7	364	19	15
AVG.									
#	Numbers generated from Idaho's Sightability Model.								

HUNTING DISTRICT 140

					Total		Total	Calves:	Bulls:
<u>Year</u>	<u>Cows</u>	<u>Calves</u>	<u>Spikes</u>	<u>BTB</u>	<u>Bulls</u>	<u>Uncl.</u>	<u>Elk</u>	<u>100 Cows</u>	<u>100 Cows</u>
1970	134	57	8	19	27	0	218	43	20
1971	184	46	18	22	40	0	270	25	22
1972	154	39	14	14	28	0	221	25	18
1973	149	41	11	10	21	0	211	28	14
1974	177	49	14	12	26	0	252	28	15
1975	111	31	4	14	18	0	160	28	16
1976	105	12	2	3	5	0	122	11	5
1977	172	37	15	18	33	0	242	22	19
1978	217	78	22	17	39	0	334	36	18
1979	228	57	25	38	63	0	348	25	28
1980	114	26	4	29	33	0	173	23	29
1981	154	43	13	31	44	67	308	28	29
1982	303	76	31	52	83	8	470	25	27
1983	213	51	23	41	64	174	502	24	30
1984	210	68	20	21	41	54	373	32	20
1985	213	50	18	22	40	28	331	23	19
1986	157	63	26	29	55	146	421	40	35
1987	144	29	7	8	15	0	188	20	10

1988	171	83	26	0	26	38	318	49	15
1989	240	96	32	32	64	12	412	40	27
1990	203	72	16	27	43	101	419	35	21
1991	189	44	0	39	39	163	435	23	21
1992	242	83	26	47	73	31	429	34	30
1993	122	46	8	15	23	167	358	38	19
1994	167	61	9	13	22	37	287	37	13
1995	135	43	0	0	22	45	245	32	16
1996	No Survey								
1997	135	30	2	11	13	1	179	22	10
1998	No Survey								
1999	169	37	11	7	18	0	224	22	11
2000	179	44	17	13	30	0	253	25	17
2001	No Survey								
2002	132	36	11	11	22	29	223	27	17
2003	99	31	15	8	23	0	153	31	23
2004	86	28	11	10	21	209	344	33	24
2005	No Survey								
2006	No Survey								
2007	No Survey								
2008*	90	13	n/a	n/a	17	0	120	14	19
2009*	179	6	3	30	33	83	301	3	18
2010	264	57	4	48	52	0	373	22	20
2011	176	19	6	24	30	0	225	11	17
2012	156	18	3	33	36	0	210	12	23
2013	150	25	3	12	15	0	190	17	10
2014	159	24	7	11	18	0	201	15	11
2015**	47	5	0	3	3	0	54	11	6
2016	54	9	0	2	2	0	65	17	4
2017	27	6	0	7	7	0	40	22	26
2018	1	1	0	3	3	0	5	n/a	n/a
2019	81	17	2	2	4	0	102	21	5
2020	No Survey								
10-Yr.	125	18	3	17	20	8	171	15	15
Avg.									
* Fixed-wing Airplane Survey									
** Poor survey conditions, green-up well advanced, not included in 10-year average.									

HUNTING DISTRICT 150

					Total		Total	Calves:	Bulls:
<u>Year</u>	<u>Cows</u>	<u>Calves</u>	<u>Spikes</u>	<u>BTB</u>	<u>Bulls</u>	<u>Uncl.</u>	<u>Elk</u>	<u>100 Cows</u>	<u>100 Cows</u>
1970	228	42	7	42	49	0	312	27	21
1971	99	24	11	35	46	0	169	24	46
1972	283	35	11	62	73	0	391	12	26
1973	337	86	27	84	111	0	534	26	33
1974	192	67	17	29	46	0	305	35	24
1975	152	34	15	25	40	0	226	22	26
1976	90	17	4	32	36	0	143	19	40

1977	237	60	28	49	77	0	374	25	32
1978	218	57	14	56	70	0	345	26	32
1979	328	83	15	60	75	0	486	25	23
1980	299	68	17	33	50	0	417	23	17
1981	146	36	14	36	50	663	895	25	34
1982	259	48	22	29	51	0	358	19	20
1983	406	97	22	41	63	183	749	24	16
1984	337	87	63	63	126	535	1085	26	37
1985	421	73	24	33	57	328	879	17	14
1986	466	179	10	15	28	96	769	38	6
1987	510	93	28	4	32	67	702	18	6
1988	456	175	43	31	74	347	1052	38	16
1989	633	179	37	37	74	63	949	28	12
1990	505	120	32	32	64	19	708	24	13
1991	565	51	5	29	34	0	650	9	6
1992	342	77	27	30	57	132	608	23	17
1993	397	83	16	29	45	0	525	21	11
1994	251	68	4	9	13	178	510	27	5
1995						555	555	n/a	n/a
1996#	119	22	---	---	11	146	298	19	9
1997#	210	33	15	8	26	0	269	16	12
1998#	217	24	3	6	9	0	250	11	4
1999#	107	37	19	5	24	20	188	35	22
2000	236	75	23	10	33	8	352	32	14
2001**	22	5			10	189	226	n/a	n/a
2002**						44	44	n/a	n/a
2003	87	21	8	56	64	338	510	24	74
2004	127	36	9	40	49	254	466	28	39
2005	No Survey								
2006	No Survey								
2007	No Survey								
2008*	225	30	n/a	n/a	25	0	280	13	11
2009*	235	12	12	30	42	66	355	5	18
2010	225	42	3	13	16	0	283	19	4
2011	269	21	11	25	36	0	326	8	13
2012	305	117	15	35	50	0	472	38	16
2013	325	57	23	30	53	0	435	18	12
2014	357	56	19	50	69	0	482	16	19
2015**	174	8	5	17	22	4	208	5	13
2016	259	49	6	33	39	0	347	19	15
2017	226	18	2	20	22	0	266	8	11
2018	165	12	2	5	7	13	197	7	4
2019	168	16	0	14	14	0	198	10	8
2020	No Survey								
10-Yr.	253	40	9	26	35	8	336	15	12
Avg.									
* Fixed-wing Airplane Survey									
# Partial Survey, Big Prairie to Bunker Creek.									
** Poor survey conditions, green-up well advanced, not included in 10-year average.									

TABLE 4. REGION ONE ELK HARVEST ESTIMATES COMPILED FROM THE 2019 STATEWIDE HUNTER HARVEST SURVEY.

			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	% Archery	Archery Harvest		Antlerless Permits	
<u>HD</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Harvest</u>	<u>Bull</u>	<u>Cow</u>	<u># Issued</u>	<u>Harvest</u>
100	0	11	0	30	9	39	50	30	6	9	30	8
101	0	24	0	33	3	36	60	10	3	3	55*	19
102	0	6	0	23	3	26	32	9	3	0	30	0
103	0	16	0	29	15	44	60	18	9	2	30	14
104	2	8	0	12	9	21	31	19	6	0	30	10
109	0	24	0	6	3	9	33	27	0	9	50*	12
110	0	6	0	3	3	6	12	25	3	0	5	0
120	0	3	0	9	9	19	22	55	9	3	10	0
121	0	90	0	78	26	104	194	20	35	3	230	84
122	0	9	0	43	12	55	64	23	12	3	30	6
123	2	19	0	24	12	36	57	21	12	0	55	19
124	0	14	0	3	6	9	23	26	3	3	28	11
130	0	2	0	21	12	33	35	9	3	0	5	2
132	0	5	0	6	0	6	11	27	3	0	6	5
140	0	0	0	12	12	24	24	38	9	0	5	0
141	0	0	0	12	9	21	21	29	6	0	0	0
150	0	3	0	14	35	49	52	15	8	0	0	0
151	0	0	0	0	3	3	3	0	0	0	0	0
170	0	6	0	9	0	9	15	20	0	3	0	0
R1	4	250	0	373	182	555	809	20	131	33	549	190
*	50 permits valid in HDs 101 and 109.											

TABLE 5. COMPARISON OF THE ESTIMATED ELK HARVEST IN REGION ONE AS COMPILED FROM THE STATEWIDE HUNTER HARVEST SURVEY.

		Hunter	%	Total			Total			Total
<u>Year</u>	<u>Hunters</u>	<u>Days</u>	<u>Success</u>	<u>Harvest</u>	<u>BTB</u>	<u>Spikes</u>	<u>Bulls</u>	<u>Cows</u>	<u>Calves</u>	<u>Antless.</u>
1969	13892		13	1828	657	325	982	648	175	823
1970	12708	101537	14	1770	930	281	1211	417	135	552
1971	14948	113070	15	2290	1007	325	1332	654	212	866
1972	15639	114312	12	1845	727	239	966	572	230	802
1973	18257	138435	15	2751	856	437	1293	942	385	1327
1974	17762	149990	11	1899	686	295	981	567	149	716
1975	17133	128822	14	2476	785	419	1204	773	268	1041
1976	14533	121939	11	1583	614	261	875	512	120	632
1977	16008	134617	13	2132	911	444	1355	497	147	644
1978	17066	128273	10	1789	717	317	1034	499	157	656
1979	17729	132707	10	1724	661	324	985	524	170	694
1980	17803	109514	12	2205	816	511	1327	623	204	827
1981	14524	106775	11	1659	620	381	1001	535	117	652
1982	16099	177362	12	1969	829	485	1314	537	112	649

1983	16251	120032	11	1853	631	575	1206	517	146	663
1984	12215	82004	16	1963	674	596	1270	596	170	766
1985	15276	108681	13	2051	689	570	1259	634	159	793
1986	15432	119562	12	1855	651	471	1122	596	137	733
1987	15789	132228	11	1705	701	384	1085	495	126	621
1988	15658	124855	14	2161	682	634	1316	668	171	839
1989	16328	140354	10	1591	547	524	1071	411	109	520
1990	15890	129437	10	1653	661	382	1043	510	100	610
1991	15762	124060	16	2563	760	582	1342	1004	215	1219
1992	16733	141288	11	1784	692	491	1183	525	74	599
1993	17582	152455	9	1566	620	367	987	513	66	579
1994	17413	148488	12	2059	915	507	1422	536	98	634
1995	17075	158056	8	1380	486	364	850	467	62	529
1996	14078	127770	10	1400	512	247	761	575	64	639
1999	13729	126162	5	694	511	12	523	152	18	170
2000	13446	122212	6	862	605	11	616	230	16	246
2001	13880	121807	6	894	670	7	677	202	14	216
2002	14583	128057	8	1093	718	11	729	322	31	353
2003	15199	131328	12	1802	1182	24	1217	549	27	576
2004	16233	139429	10	1679	1071	14	1089	530	59	589
2005	16607	149840	12	1949	1212	19	1234	641	71	712
2006	16744	154583	13	2221	1433	23	1456	697	68	765
2007	17171	166400	11	1825	1183	5	1188	593	44	637
2008	17439	185311	8	1438	996	3	999	393	46	439
2009	16760	169437	9	1521	1036	9	1045	435	41	476
2010	15989	161649	11	1732	1135	8	1143	535	53	588
2011	16740	170524	9	1437	912	0	912	484	40	524
2012	15382	149590	7	1005	847	5	852	141	13	154
2013	N/A	N/A	N/A	998	751	5	756	227	15	242
2014	14062	142381	7	925	671	3	674	246	5	251
2015	14500	147798	7	1036	752	3	755	257	24	281
2016	15116	152316	7	1065	721	5	726	324	15	339
2017	N/A	N/A	N/A	931	592	12	604	319	9	328
2018	13496	138008	7	957	676	0	676	275	6	281
2019	N/A	N/A	N/A	809	555	0	555	250	4	254
10-Yr.	15666	158341	8	1161	809	5	814	324	22	346
Avg.										

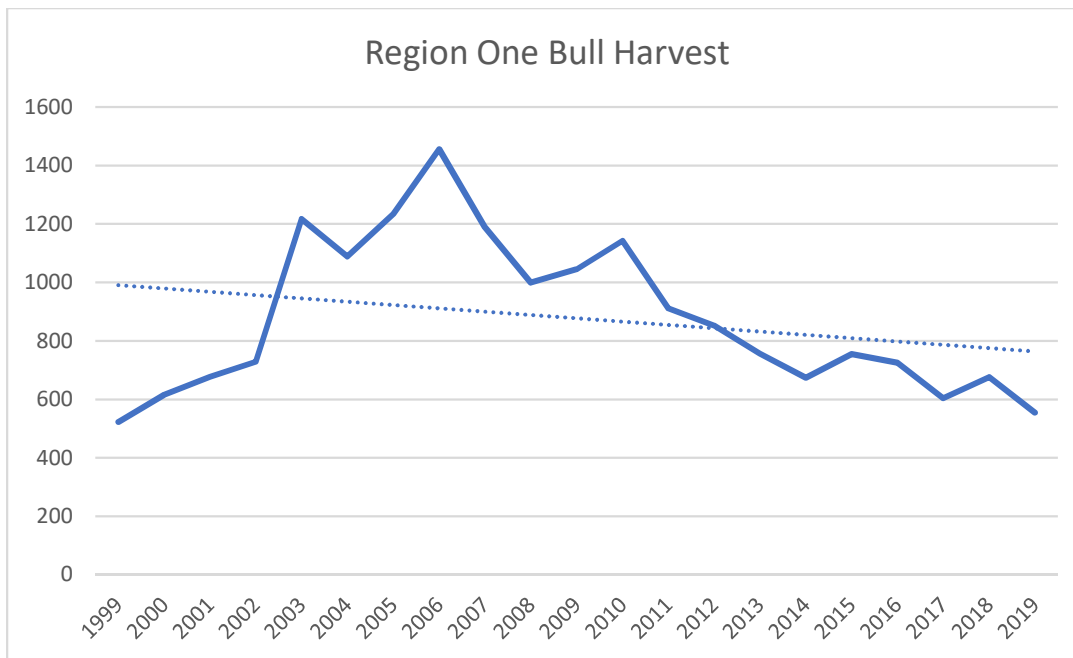
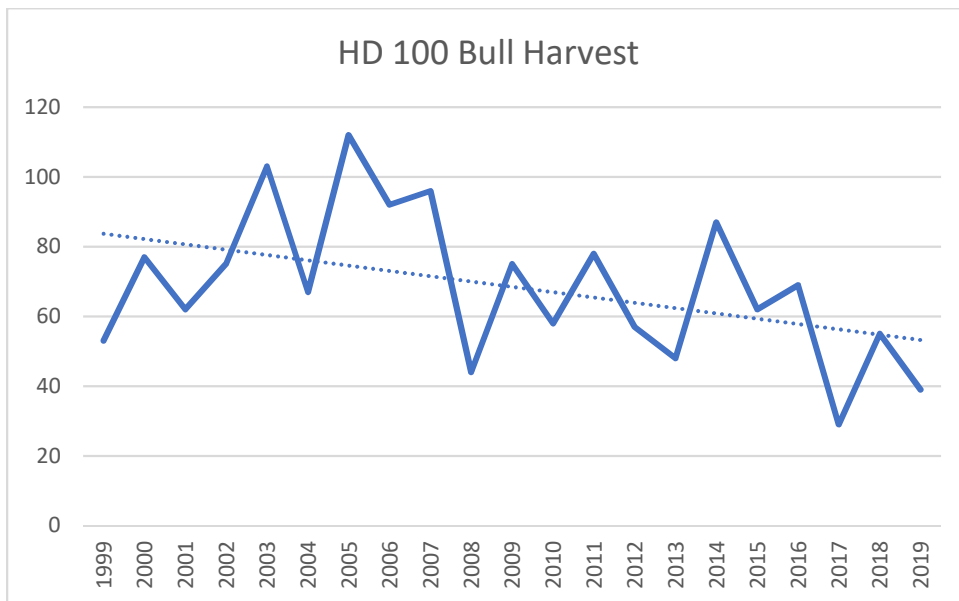


TABLE 6. ELK HARVEST HISTORY FOR REGION ONE HUNTING DISTRICTS AND BULL HARVEST TREND.

HUNTING DISTRICT 100

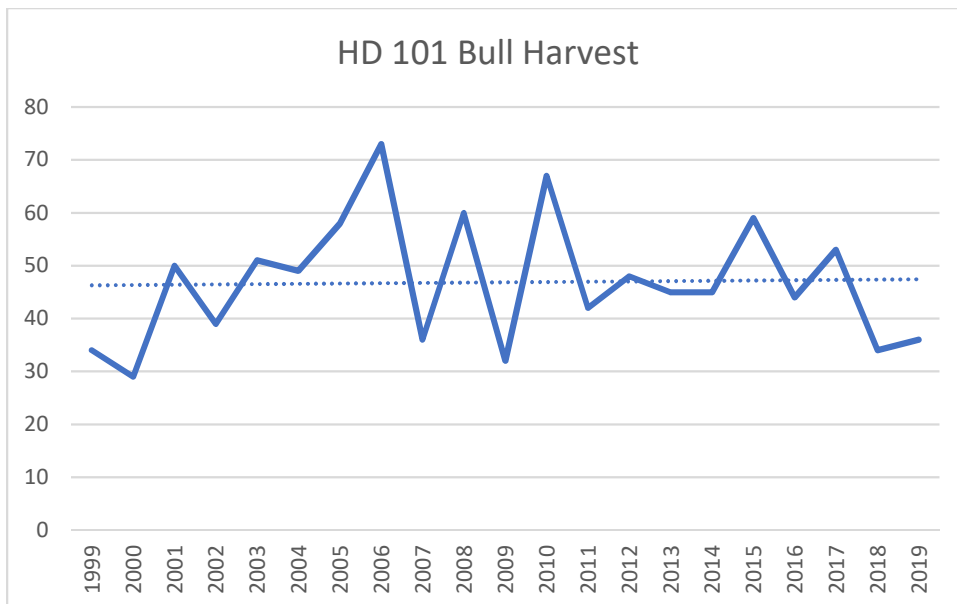
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B-Tags	B-Tag	% Archery
Year	Hunters	Succ.	Calf	Cow	Bull	Bull	Bull	Bull	Harv.	Days	Issued	Harvest	Harvest
1986	2077	8	8	46	50	31	25	106	160	15385			
1987	2502	6	12	58	38	25	28	91	161	18620			
1988	2227	9	29	66	50	40	15	105	200	16741			0
1989	2244	7	23	55	50	31	8	89	168	16833			3
1990	2534	8	12	67	44	42	27	113	193	17518			12
1991	2366	12	26	121	39	51	50	140	287	16359			6
1992	2608	8	12	54	55	53	32	140	207	19051			5
1993	2825	5	9	38	32	41	21	94	141	19027			14
1994	2538	7	3	52	58	27	26	111	166	17525			3
1995	2843	6	13	61	32	28	24	84	158	20001			3
1996	2177	6	7	35	19	41	17	77	119	14777			2
1997	No Data Available												
1998	No Data Available												
1999	2297	3	3	15	0	32	21	53	70	15752			12
2000	2070	4	1	15	5	48	24	77	93	14866			4
2001	1979	4	1	16	3	31	28	62	79	14732			3
2002	2113	5	3	25	0	47	28	75	103	14668			14
2003	2049	8	0	50	3	53	47	103	153	15038			10
2004	2075	6	7	50	0	38	27	67	124	15318	100	18	14
2005	1909	9	2	63	0	73	39	112	176	16121	100	31	9
2006	2258	9	7	104	0	52	41	92	203	18393	100	37	16
2007	2189	6	3	33	0	77	19	96	132	18420	100	18	11
2008	2432	3	11	28	0	29	15	44	83	21644	100	14	36

2009	2144	6	5	46	0	39	36	75	125	19237	50	20	19
2010	2073	5	4	50	3	33	22	58	112	17695	25	14	7
2011	1960	6	1	42	0	58	20	78	120	17773	25	7	12
2012	1719	4	0	8	0	35	22	57	65	15660	25	4	13
2013	n/a	n/a	1	16	0	31	17	48	65	n/a	25	12	12
2014	1760	5	0	7	0	62	25	87	94	15612	25	1	33
2015	1666	5	3	11	0	41	21	62	75	14272	25	5	31
2016	1724	4	0	4	0	44	25	69	73	15206	25	2	29
2017	n/a	n/a	0	13	0	26	3	29	42	n/a	25	7	14
2018	1715	4	0	10	0	33	22	55	65	14923	30	5	18
2019	n/a	n/a	0	11	0	30	9	39	50	n/a	30	8	30
10 Yr.	1938	5	1	21	0	40	21	62	84	17044	28	8	19
Avg.													



HUNTING DISTRICT 101

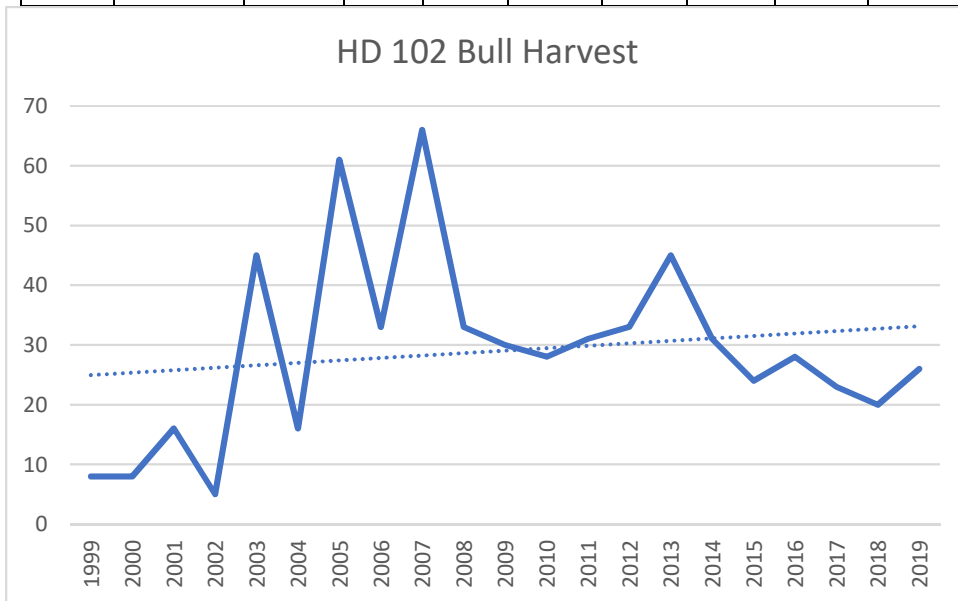
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B-Tags	B-Tag	%
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Archery</u> <u>Harvest</u>
1986	1419	6	8	26	23	15	6	44	78	8356			
1987	2067	6	11	44	22	12	25	59	114	14367			
1988	1630	6	15	31	17	29	12	58	106	10779			0
1989	1925	5	7	15	40	28	8	76	98	12681			8
1990	1694	2	0	7	15	14	4	33	41	11341			13
1991	1489	5	0	9	27	30	13	70	79	9369			13
1992	1962	4	2	10	44	16	5	65	78	13658			9
1993	1889	3	0	15	26	9	8	43	58	12742			0
1994	1812	4	0	13	25	14	12	51	64	10156			16
1995	1660	5	3	14	37	15	10	62	79	10430			0
1996	1588	4	0	27	32	5	5	42	69	9889			4
1997	No Data Available												
1998	No Data Available												
1999	1797	3	1	12	3	18	13	34	48	12079			17
2000	1396	3	1	11	3	21	5	29	41	9109			9
2001	1401	5	0	22	0	27	23	50	72	10385			11
2002	1517	4	3	11	0	31	8	39	53	10898			14
2003	1487	6	1	28	0	40	11	51	83	10816			19
2004	1459	6	3	34	0	32	17	49	86	10765	25	11	12
2005	1492	6	6	25	6	33	19	58	88	12776	25	4	21
2006	1641	8	9	50	0	65	8	73	132	13264	25	15	8
2007	1383	5	7	29	0	19	17	36	72	10814	35	19	4
2008	1687	6	0	38	0	39	21	60	98	15809	35	6	6
2009	1436	6	3	50	0	17	15	32	85	12631	35	17	7
2010	1498	7	6	39	0	50	17	67	112	13948	25	7	3
2011	1768	6	4	64	0	36	6	42	110	15824	25	13	7
2012	1567	4	1	12	0	31	17	48	61	13948	45	10	13
2013	n/a	n/a	0	36	0	36	9	45	81	n/a	45	36	9
2014	1459	4	0	18	0	34	11	45	63	13062	45	16	14
2015	1513	6	4	24	3	47	9	59	86	13873	45	19	17
2016	1348	6	3	41	0	41	3	44	87	11198	45	21	9
2017	n/a	n/a	3	22	3	31	19	53	78	n/a	60	15	26
2018	1276	4	2	18	0	25	9	34	54	10330	55	12	30
2019	n/a	n/a	0	24	0	33	3	36	60	n/a	55	19	10
10 Yr.	1494	5	3	32	1	35	12	47	82	13144	43	17	14
Avg.													



HUNTING DISTRICT 102

		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B Tags	B-Tag	%
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Archery</u> <u>Harvest</u>
1986	947	5	3	20	10	6	6	22	44	5345			
1987	1166	5	3	19	9	23	6	38	59	6887			
1988	815	4	0	7	10	10	8	28	35	4797			7
1989	851	2	0	2	14	3	0	17	20	5122			0
1990	547	3	0	0	12	13	2	27	27	4197			9
1991	902	3	2	4	6	11	0	17	24	4698			10
1992	983	3	2	0	3	15	11	29	31	5214			0
1993	1313	2	0	4	12	3	3	18	22	7202			10
1994	1243	1	0	3	10	0	0	10	13	6880			0
1995	1364	2	0	11	6	4	1	11	22	7609			16
1996	1067	2	0	2	7	8	0	15	17	6564			14
1997	No Data Available												
1998	No Data Available												
1999	1223	1	0	0	0	8	0	8	8	7908			0
2000	1213	1	0	2	0	3	5	8	10	7196			0
2001	1150	1	0	0	0	10	6	16	16	7171			0
2002	1120	1	0	2	0	5	0	5	7	6548			0
2003	1410	4	0	5	3	32	10	45	50	8392			27
2004	1437	2	6	14	0	14	2	16	35	8420	0	0	9
2005	1335	6	2	14	0	40	18	61	76	8341	0	0	5
2006	1469	4	4	15	0	23	11	33	52	9771	0	0	21
2007	1654	5	0	24	0	34	32	66	90	11776	0	0	6
2008	1602	3	0	18	0	21	12	33	51	12748	0	0	12
2009	1573	3	0	18	0	21	9	30	48	10744	0	0	0

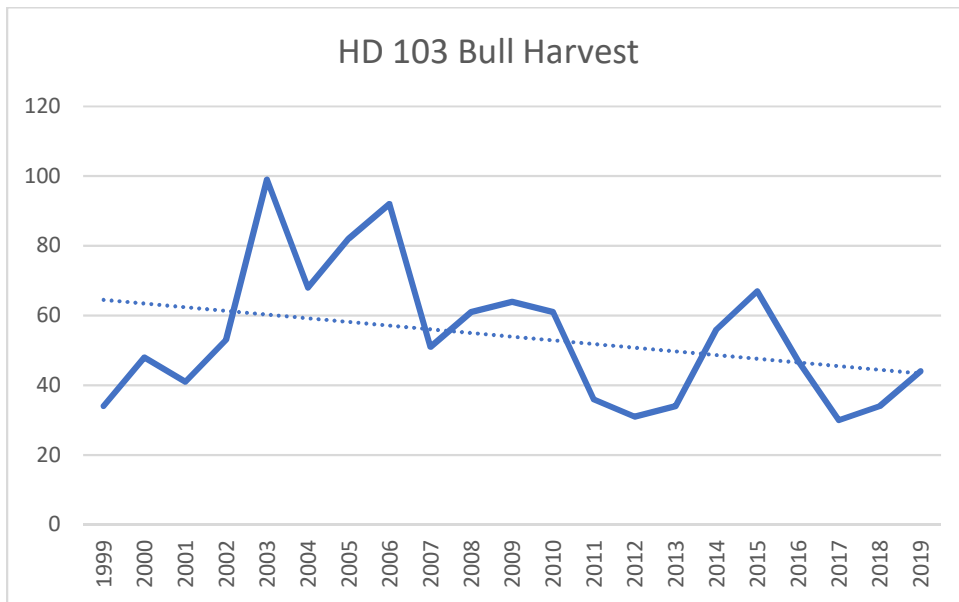
2010	1384	3	0	14	0	14	14	28	42	9938	0	0	7
2011	1600	3	0	22	0	28	3	31	53	10220	0	0	15
2012	1428	3	0	3	0	17	16	33	36	9733	0	0	8
2013	n/a	n/a	0	8	0	28	17	45	53	n/a	0	0	21
2014	1140	3	0	7	0	14	17	31	38	7979	0	0	29
2015	1458	2	0	9	0	15	9	24	33	11160	9	3	55
2016	1445	2	0	7	0	25	3	28	35	11786	0	0	37
2017	n/a	n/a	0	6	3	17	3	23	29	n/a	0	0	31
2018	1394	2	0	3	0	13	7	20	23	9980	5	0	43
2019	n/a	n/a	0	6	0	23	3	26	32	n/a	30	0	9
10 Yr.	1468	3	0	10	0	19	10	29	39	1066	1	0	25
Avg.													



HUNTING DISTRICT 103

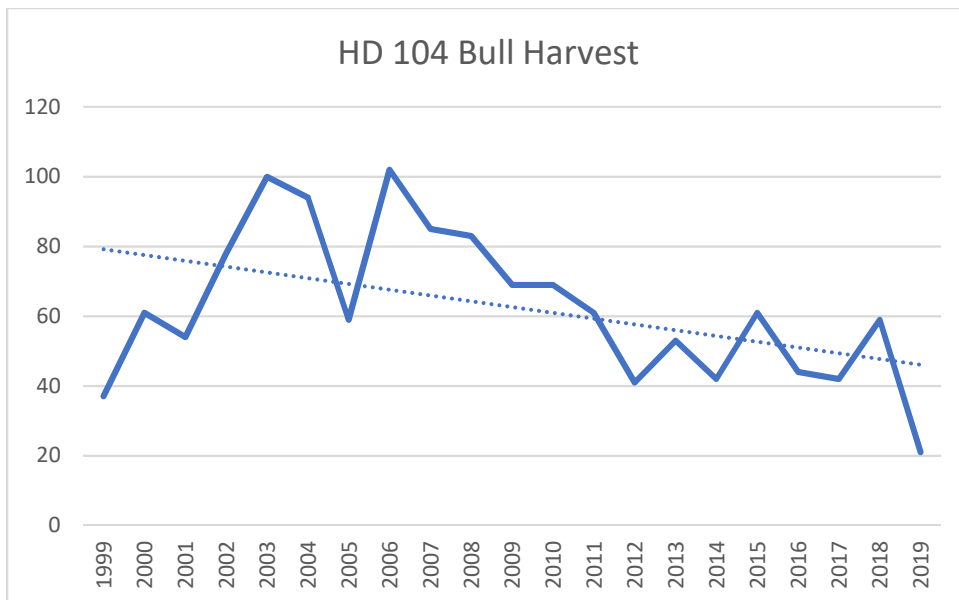
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B-Tags	B-Tag	% Archery
Year	Hunters	Succ.	Calf	Cow	Bull	Bull	Bull	Bull	Harv.	Days	Issued	Harvest	Harvest
1990	2182	6	20	42	34	27	14	75	137	13154			4
1991	2371	9	27	120	41	26	8	75	222	13777			1
1992	2776	4	5	36	39	24	17	80	122	17065			2
1993	2894	4	5	54	28	13	6	47	106	17091			2
1994	2920	5	13	42	36	23	20	79	134	17393			4
1995	2805	4	3	61	39	5	3	47	111	16792			0
1996	2304	4	10	37	19	13	10	42	89	14454			6
1997	No Data Available												
1998	No Data Available												
1999	2355	2	1	8	0	21	13	34	45	15047			11
2000	2317	3	1	14	0	30	18	48	63	15635			0

2001	2366	2	2	6	0	26	15	41	49	16073			10
2002	2223	5	8	36	0	37	16	53	101	15680			16
2003	1991	7	4	36	0	59	38	99	139	13757			4
2004	2559	5	10	61	3	40	24	68	139	16597	100	31	17
2005	2255	6	8	51	0	52	30	82	141	16994	100	19	8
2006	2184	7	2	66	0	55	37	92	160	16693	100	27	7
2007	2227	7	2	92	0	29	22	51	145	16884	100	48	12
2008	2338	5	2	53	0	30	31	61	116	20088	100	16	17
2009	2109	5	5	39	0	42	22	64	108	17207	50	12	8
2010	2051	6	3	55	0	33	28	61	119	16654	25	10	12
2011	1990	4	7	35	0	22	14	36	78	16409	25	11	18
2012	1752	2	0	1	0	17	14	31	32	14002	25	1	19
2013	n/a	n/a	3	9	0	20	14	34	46	n/a	25	3	43
2014	1892	3	0	8	0	42	14	56	64	14191	25	2	31
2015	1678	5	3	8	0	53	15	67	78	14995	25	2	12
2016	1797	4	0	16	0	25	22	47	63	16046	24	10	14
2017	n/a	n/a	3	14	0	20	10	30	47	n/a	25	11	26
2018	1724	3	0	16	0	31	3	34	50	14478	30	8	32
2019	n/a	n/a	0	16	0	29	15	44	60	n/a	30	14	18
10 Yr.	1956	4	2	20	0	31	16	46	69	16095	28	7	22
Avg.													



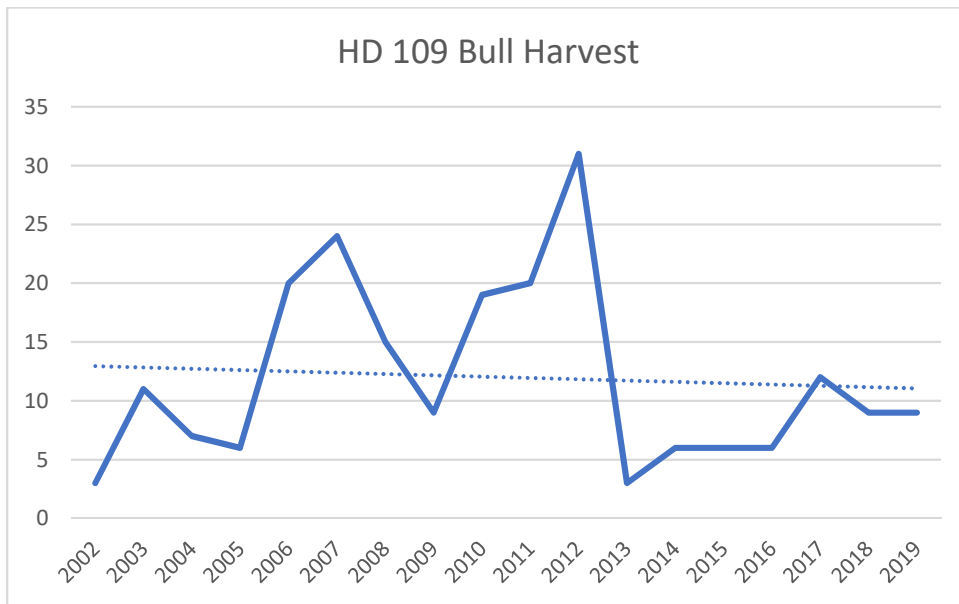
HUNTING DISTRICT 104

		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B-Tags	B-Tag	% Archery
Year	Hunters	Succ.	Calf	Cow	Bull	Bull	Bull	Bull	Harv.	Days	Issued	Harvest	Harvest
1990	1043	10	2	35	18	26	24	68	105	6337			2
1991	1133	16	15	77	39	30	19	88	181	6967			5
1992	1330	8	5	35	26	18	17	61	101	7969			2
1993	1606	6	2	30	34	20	15	69	101	10275			2
1994	1569	9	4	45	38	23	28	89	137	10009			7
1995	1483	6	5	36	23	13	21	57	98	11535			12
1996	1251	9	5	45	15	30	13	60	109	8840			7
1997	No Data Available												
1998	No Data Available												
1999	1442	3	2	9	0	26	11	37	48	10165			8
2000	1593	5	5	12	0	26	35	61	78	11861			14
2001	1450	5	2	17	0	37	17	54	73	10160			26
2002	1729	8	0	55	2	36	40	78	133	12649			22
2003	1431	11	3	59	0	75	25	100	162	10790			7
2004	1584	6	3	27	1	59	34	94	124	10977	100	16	13
2005	1374	6	2	27	3	21	35	59	87	11901	100	18	14
2006	1341	13	6	61	0	59	43	102	169	10780	100	36	9
2007	1576	8	5	41	0	51	34	85	131	14116	100	27	17
2008	1574	7	1	27	0	59	24	83	111	14286	100	24	24
2009	1363	6	0	12	0	45	24	69	81	11764	50	6	26
2010	1290	8	3	36	0	41	28	69	108	11736	25	5	10
2011	1345	6	0	23	0	22	39	61	85	11658	25	15	25
2012	1169	5	0	11	0	22	19	41	53	10058	25	8	17
2013	n/a	n/a	1	10	0	20	33	53	64	n/a	25	11	22
2014	1197	4	0	3	0	22	20	42	45	10577	25	3	13
2015	1234	6	0	11	0	32	29	61	73	10620	25	8	21
2016	1121	6	0	20	0	22	22	44	64	9394	25	11	25
2017	n/a	n/a	2	8	0	25	17	42	52	n/a	25	10	12
2018	1100	7	0	23	0	34	25	59	82	9563	30	16	47
2019	n/a	n/a	2	8	0	12	9	21	31	n/a	30	10	19
10 Yr.	1297	6	1	16	0	29	26	54	71	11377	28	9	22
Avg.													



HUNTING DISTRICT 109

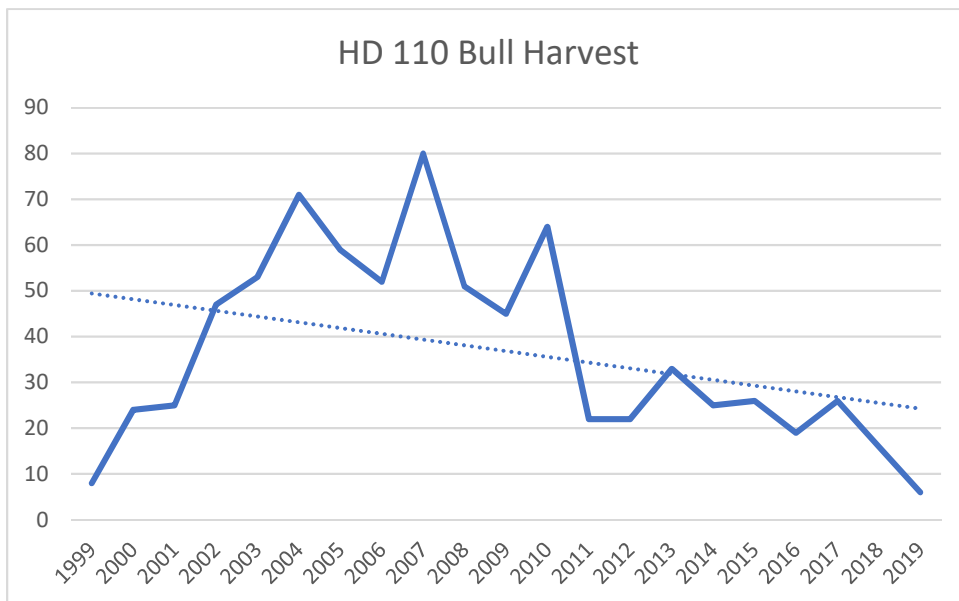
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B-Tags	B-Tag	% Archery
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Harvest</u>
2002	191	8	0	13	0	0	3	3	16	1326			0
2003	249	10	0	15	2	6	3	11	26	1709			0
2004	280	10	1	21	0	4	3	7	29	1907	25	17	0
2005	293	9	0	20	0	6	0	6	26	1606	25	12	12
2006	317	9	4	6	4	17	0	20	30	2102	25	2	13
2007	353	11	0	14	0	21	3	24	38	2270	35	14	18
2008	357	9	2	16	0	6	9	15	33	3149	35	15	9
2009	311	9	3	16	3	6	0	9	28	2449	35	7	11
2010	349	11	3	16	3	11	5	19	38	2449	20	8	26
2011	386	11	3	20	0	17	3	20	43	3182	20	9	0
2012	371	11	0	11	0	20	11	31	42	2836	40	9	0
2013	n/a	n/a	0	22	0	3	0	3	25	n/a	40	22	0
2014	311	8	0	18	0	6	0	6	24	2924	40	17	0
2015	375	10	3	30	0	6	0	6	39	3313	40	18	0
2016	275	13	0	29	0	3	3	6	35	1819	40	10	9
2017	n/a	n/a	0	13	0	9	3	12	25	n/a	66	13	8
2018	358	7	0	16	0	9	0	9	25	3312	55	16	20
2019	n/a	n/a	0	24	0	6	3	9	33	n/a	50	12	27
10 Yr.	345	10	1	19	1	9	3	12	35	27770	40	13	7
Avg.													



HUNTING DISTRICT 110

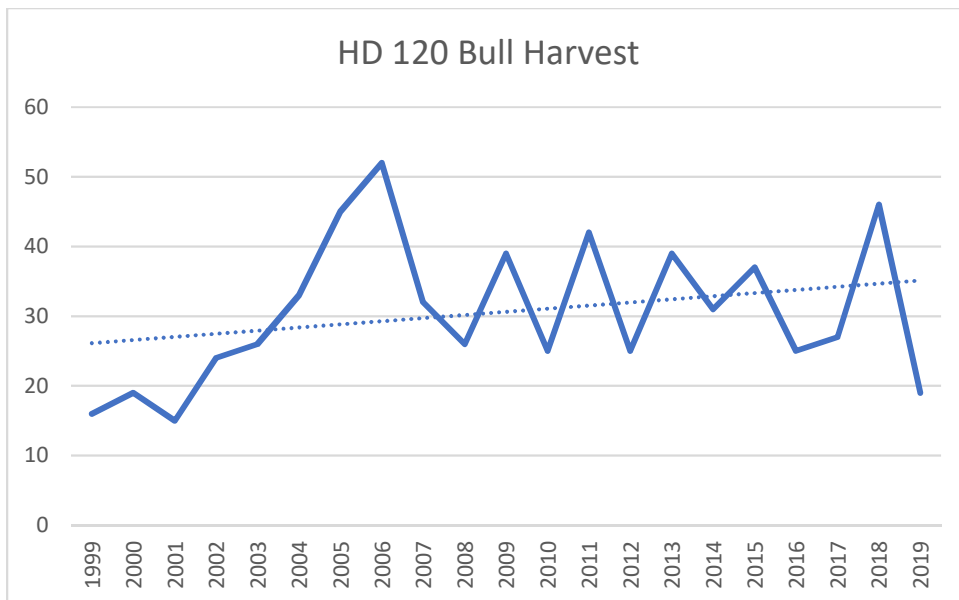
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B-Tags	B-Tag	% Archery
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Harvest</u>
1986	1723	9	14	53	28	34	17	79	146	8559			
1987	1833	8	8	38	42	22	27	91	137	9885			
1988	1809	7	15	43	20	28	15	63	121	9997			4
1989	1967	5	16	50	22	7	10	39	106	11090			0
1990	1617	7	5	44	7	33	19	59	108	9107			7
1991	1639	8	9	49	35	8	24	67	125	9097			4
1992	1771	5	7	29	19	15	16	50	86	9746			8
1993	1600	5	0	31	17	25	10	52	83	8649			14
1994	1308	5	3	7	16	12	31	59	69	9958			9
1995	1202	5	0	11	23	10	20	53	64	7304			20
1996	886	6	2	0	20	22	10	52	55	5254			14
1997	No Data Available												
1998	No Data Available												
1999	858	1	0	0	0	8	0	8	8	4813			0
2000	789	3	0	0	0	16	8	24	24	4989			14
2001	1006	3	0	3	0	13	12	25	28	5883			18
2002	849	6	0	3	3	28	16	47	50	4901			14
2003	897	7	0	5	0	26	27	53	58	5378			9
2004	1060	8	0	14	0	54	17	71	85	6190	0	0	11
2005	1179	7	7	15	0	25	34	59	81	7346	0	0	25

2006	1123	7	4	18	0	22	30	52	74	7678	5	0	24
2007	1264	6	0	0	5	42	33	80	80	9440	25	0	13
2008	1140	5	0	4	0	27	24	51	55	8235	25	2	22
2009	1227	5	3	16	0	22	23	45	64	8688	25	5	25
2010	1161	7	4	16	3	39	22	64	84	7866	5	3	13
2011	1111	3	0	10	0	14	8	22	32	9126	5	2	25
2012	981	3	3	3	0	11	11	22	28	6460	5	0	21
2013	n/a	n/a	0	2	0	19	14	33	35	n/a	5	2	17
2014	844	3	0	0	0	17	8	25	25	6069	5	0	24
2015	826	4	0	3	0	17	9	26	29	6273	5	3	52
2016	930	2	0	4	0	16	3	19	23	6247	5	1	32
2017	n/a	n/a	0	3	0	14	12	26	29	n/a	5	0	41
2018	634	4	0	9	0	13	3	16	25	4766	5	3	24
2019	n/a	n/a	0	6	0	3	3	6	12	n/a	5	0	25
10 Yr.	1012	4	1	7	0	18	11	30	37	7317	7	2	27
Avg.													



HUNTING DISTRICT 120

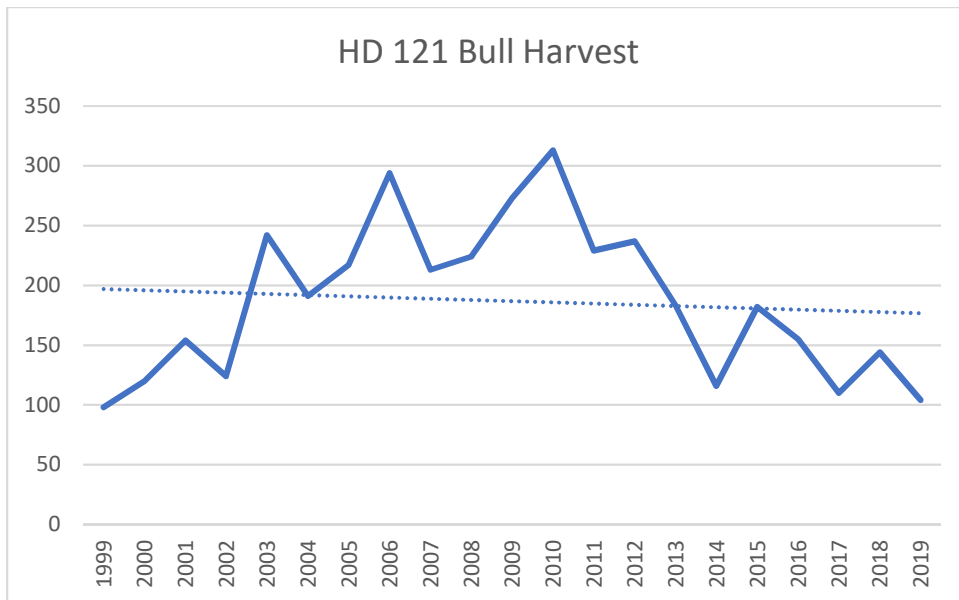
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	% Archery
Year	Hunters	Succ.	Calf	Cow	Bull	Bull	Bull	Bull	Harv.	Days	Issued	Harvest	Harvest
1986	487	3	3	3	3	3	6	12	17	2550			
1987	459	4	3	5	0	3	5	8	16	2627			
1988	447	8	0	2	14	12	5	32	34	2504			7
1989	491	2	0	0	5	5	0	10	10	2404			0
1990	509	5	0	0	8	9	8	25	25	2466			10
1991	504	5	0	2	14	11	0	25	27	2866			9
1992	612	3	0	2	6	8	3	17	19	3438			0
1993	830	3	0	5	10	3	9	22	27	4554			18
1994	867	6	2	10	10	20	9	39	51	4723			20
1995	1155	3	0	8	18	11	1	30	38	6806			13
1996	849	5	0	15	12	13	0	25	40	4593			13
1997	No Data Available												
1998	No Data Available												
1999	1107	2	0	2	0	13	3	16	18	6660			50
2000	1021	2	0	3	0	14	5	19	22	6065			0
2001	1005	2	0	5	0	15	0	15	20	5946			25
2002	1040	3	0	5	0	24	0	24	29	6465			21
2003	1069	4	2	9	0	11	13	26	37	6217			14
2004	990	4	0	7	0	23	10	33	40	5657	10	0	25
2005	1067	6	3	21	3	23	19	45	69	6744	25	7	22
2006	1093	7	0	24	4	22	26	52	77	8307	25	7	25
2007	1254	4	3	12	0	10	22	32	47	9113	25	6	11
2008	1180	4	3	17	0	9	15	26	46	9652	25	7	20
2009	1268	5	0	21	0	27	12	39	60	8399	25	3	20
2010	1143	4	3	22	0	14	11	25	50	8409	5	0	16
2011	1323	5	6	14	0	22	20	42	62	8962	5	3	0
2012	1093	2	0	0	0	14	11	25	25	7952	5	0	24
2013	n/a	n/a	0	5	0	31	8	39	44	n/a	5	2	14
2014	1055	3	0	0	0	23	8	31	31	8065	5	0	35
2015	1020	4	0	6	0	23	14	37	43	7651	5	3	7
2016	1240	2	0	5	0	6	19	25	30	10052	5	2	43
2017	n/a	n/a	0	0	0	24	3	27	27	n/a	5	0	0
2018	1171	4	0	3	0	40	6	46	49	9118	10	0	24
2019	n/a	n/a	0	3	0	9	9	19	22	n/a	10	0	55
10 Yr.	1175	4	1	8	0	22	11	34	42	8737	8	1	18
Avg.													



HUNTING DISTRICT 121

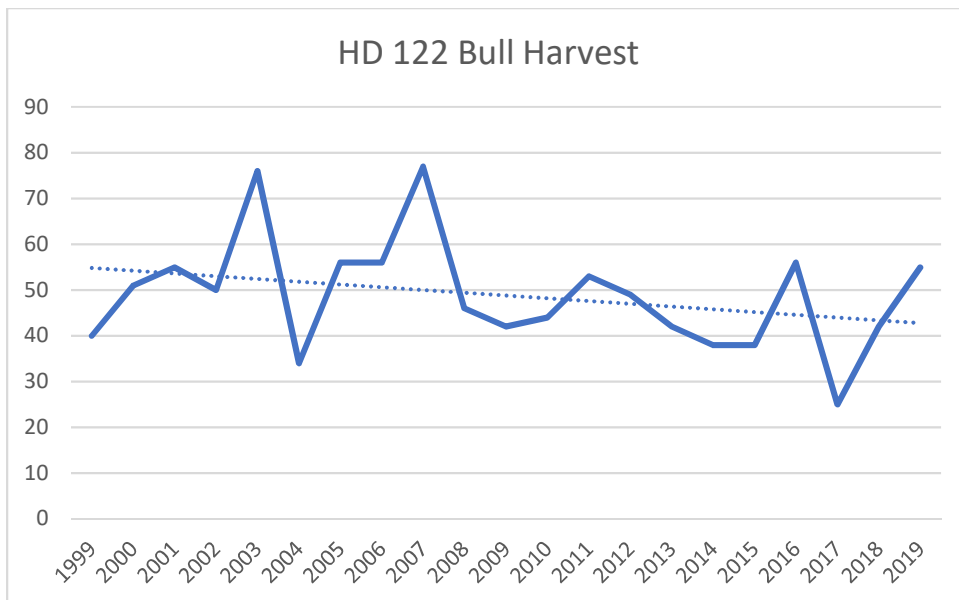
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	% Archery
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Harvest</u>
1986	2391	18	27	164	98	83	42	223	414	15555			
1987	2566	16	38	141	87	101	47	235	414	18343			
1988	2473	18	34	156	165	47	38	250	440	17362			2
1989	2759	12	16	106	116	62	29	207	329	23130			2
1990	2912	12	37	147	81	56	32	169	354	20683			3
1991	3085	22	65	318	166	88	72	326	710	20360			6
1992	3186	14	20	147	125	91	68	284	451	21756			5
1993	3391	13	28	174	80	107	36	223	425	24477			6
1994	3393	17	43	183	98	129	122	349	578	23227			9
1995	3453	9	18	125	80	57	36	173	316	25961			7
1996	2428	11	20	149	7	68	32	107	275	18997			5
1997	No Data Available												
1998	No Data Available												
1999	2092	7	4	52	3	61	34	98	155	15036			27
2000	2271	10	5	92	0	56	64	120	217	16839			17
2001	2248	11	5	80	0	96	58	154	239	16403			19
2002	2374	9	6	72	5	67	52	124	202	18634			30
2003	2548	19	5	231	0	156	83	242	483	20169			12
2004	2593	13	7	151	7	107	77	191	348	20905	450	81	20
2005	2808	16	24	212	3	129	85	217	453	23049	550	144	12
2006	2694	18	12	185	4	164	127	294	491	21552	550	111	15
2007	2967	13	10	174	0	130	83	213	397	29336	800	170	12

2008	3011	11	8	89	0	160	64	224	321	26666	500	63	17
2009	2780	14	14	101	3	178	90	273	387	24796	208	81	22
2010	2822	17	13	150	0	172	141	313	476	25806	108	47	12
2011	2941	12	11	121	0	143	86	229	361	25891	106	46	17
2012	2681	11	3	42	2	148	87	237	282	23708	126	34	24
2013	n/a	n/a	3	57	3	105	75	183	244	n/a	177	47	24
2014	2585	10	5	125	3	73	40	116	246	23636	276	113	15
2015	2591	10	5	78	0	138	44	182	265	22739	277	61	15
2016	2634	11	8	120	0	126	29	155	283	24434	329	92	19
2017	n/a	n/a	2	136	3	79	29	110	248	n/a	270	125	17
2018	2155	12	4	102	0	95	49	144	250	20310	280	99	23
2019	n/a	n/a	0	90	0	78	26	104	194	n/a	230	84	20
10 Yr.	2717	12	7	103	1	126	67	194	304	24732	216	75	19
Avg.													



HUNTING DISTRICT 122

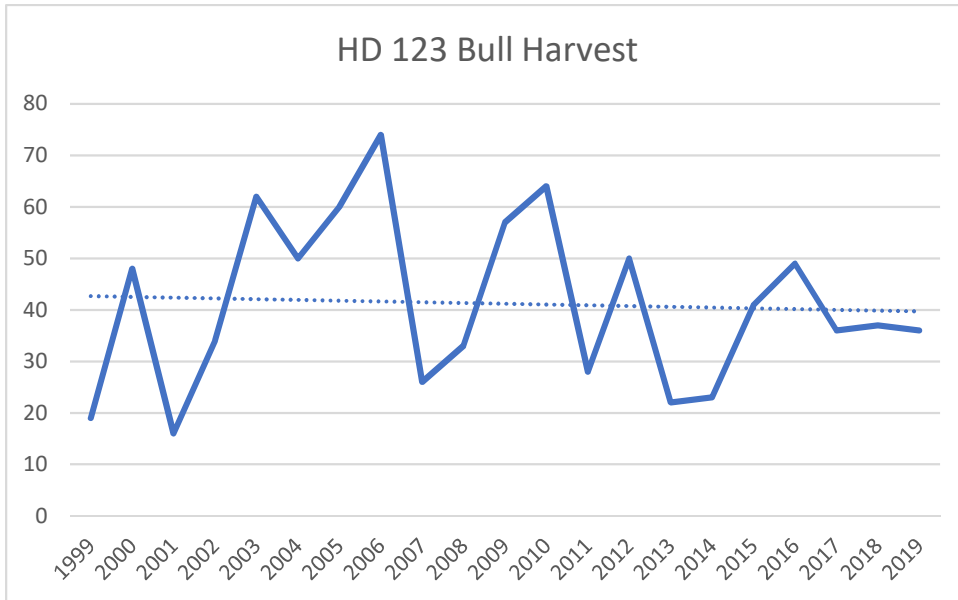
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	% Archery
Year	Hunters	Succ.	Calf	Cow	Bull	Bull	Bull	Bull	Harv.	Days	Issued	Harvest	Harvest
1986	762	8	0	13	28	10	6	44	57	4436			
1987	920	5	2	5	23	15	0	38	45	5114			
1988	1156	8	0	7	50	27	6	83	90	6815			3
1989	1428	4	0	0	29	19	8	56	56	9418			0
1990	1142	6	0	5	33	26	0	59	64	6773			8
1991	1035	7	0	7	27	18	22	67	74	5739			8
1992	1213	5	0	8	33	13	7	53	61	7137			4
1993	1539	3	0	1	33	13	1	47	48	9001			2
1994	2164	7	0	14	79	28	34	141	155	12475			6
1995	2087	4	0	29	32	18	12	62	91	13691			14
1996	2066	6	5	35	42	37	10	89	129	13451			4
1997	No Data Available												
1998	No Data Available												
1999	1900	3	4	17	3	24	13	40	60	12228			0
2000	1870	4	2	25	3	40	8	51	78	12255			6
2001	1882	4	1	16	0	29	26	55	72	11832			0
2002	1855	5	4	44	0	29	19	50	99	12576			5
2003	1866	7	5	47	0	51	25	76	128	12591			7
2004	1761	4	3	30	0	24	10	34	67	10872	100	15	10
2005	1727	6	3	42	0	34	22	56	103	11806	100	24	18
2006	1464	7	7	39	0	33	23	56	102	11042	100	19	11
2007	1596	8	0	50	0	36	41	77	127	12776	100	21	20
2008	1704	5	9	23	0	24	22	46	78	13246	100	17	14
2009	1525	4	3	18	0	18	24	42	63	12371	50	12	14
2010	1305	6	3	32	0	25	19	44	79	10566	25	9	0
2011	1520	6	3	35	0	36	17	53	91	11821	25	12	12
2012	1504	4	2	4	0	22	27	49	55	11587	25	5	13
2013	n/a	n/a	3	4	3	33	6	42	49	n/a	25	4	16
2014	1511	4	0	19	0	22	16	38	57	11811	25	10	44
2015	1437	4	3	12	0	25	15	38	53	12125	25	6	17
2016	1659	5	3	18	0	38	18	56	77	12842	25	6	35
2017	n/a	n/a	0	15	0	19	6	25	40	n/a	25	10	38
2018	1420	4	0	16	0	33	9	42	58	11755	30	7	22
2019	n/a	n/a	0	9	0	43	12	55	64	n/a	30	6	23
10 Yr.	1518	5	2	17	0	27	16	43	62	12090	28	8	21
Avg.													



HUNTING DISTRICT 123

		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	% Archery
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Harvest</u>
1992	931	9	2	41	33	7	3	43	86	5225			7
1993	985	10	0	31	24	33	13	70	101	5541			17
1994	1019	12	4	29	31	41	16	88	120	5756			2
1995	865	7	2	25	11	14	9	34	61	5496			6
1996	687	13	5	64	0	15	5	20	89	4702			0
1997	No Data Available												
1998	No Data Available												
1999	661	6	3	16	0	11	8	19	37	4161			60
2000	618	13	0	30	0	37	11	48	78	3899			14
2001	553	7	1	22	0	14	2	16	38	3491			9
2002	533	12	4	25	0	31	3	34	63	3283			25
2003	564	19	3	43	0	48	14	62	108	3895			16
2004	720	11	5	24	0	40	10	50	81	4579	100	28	10
2005	668	17	8	43	0	46	14	60	111	5004	150	42	13
2006	747	18	11	53	0	41	33	74	138	5208	150	43	8
2007	623	13	5	50	0	18	8	26	81	5185	150	49	14
2008	647	8	2	18	0	24	9	33	53	5565	150	14	17
2009	722	10	0	17	0	36	21	57	74	5928	75	14	16
2010	683	13	4	19	0	31	33	64	87	5704	25	12	14
2011	673	7	0	16	0	17	11	28	44	4886	25	8	0
2012	663	9	1	8	0	28	22	50	59	4895	25	9	5
2013	n/a	n/a	0	18	0	22	0	22	40	n/a	25	12	15
2014	617	6	0	12	0	11	12	23	35	4543	25	7	31

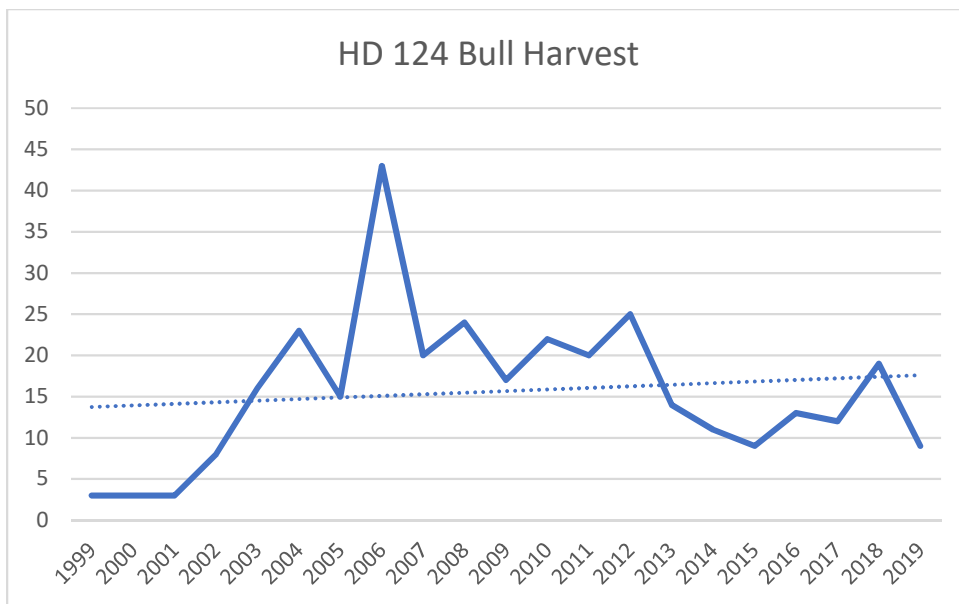
2015	701	10	0	27	0	29	12	41	68	5635	50	19	35
2016	810	9	0	20	5	41	3	49	69	6174	50	13	14
2017	n/a	n/a	0	30	3	22	11	36	66	n/a	50	27	17
2018	771	7	0	17	0	31	6	37	54	6276	55	17	17
2019	n/a	n/a	2	19	0	24	12	36	57	n/a	55	19	21
10 Yr. Avg.	691	9	1	18	1	27	13	41	60	5479	41	14	16



HUNTING DISTRICT 124

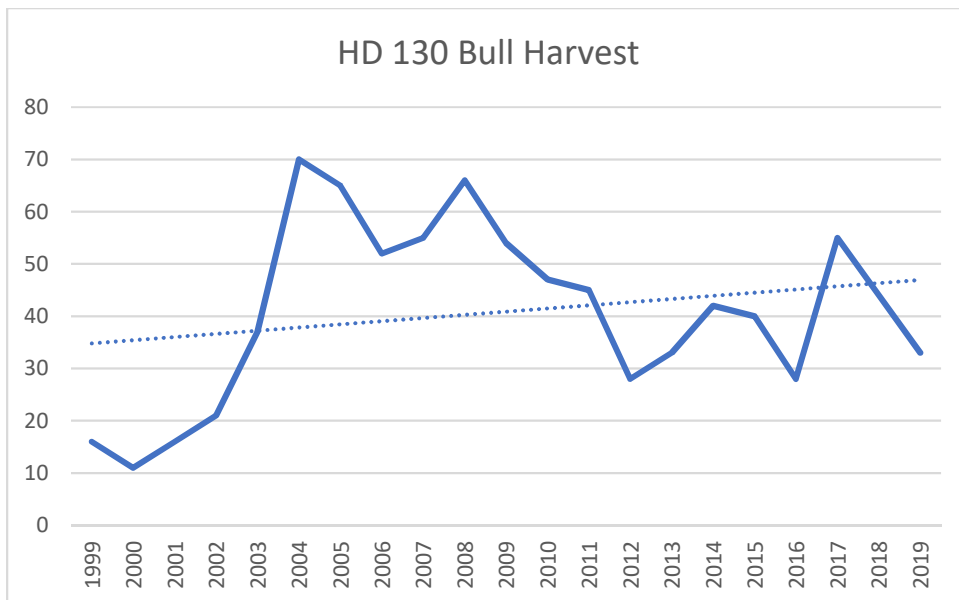
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	%
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Archery Harvest</u>
1992	476	12	1	35	6	12	2	20	56	3337			4
1993	589	10	1	33	11	12	1	24	58	3938			0
1994	541	15	2	40	21	9	10	40	82	3604			0
1995	508	6	3	16	6	0	7	12	31	3836			0
1996	479	15	7	42	4	13	5	22	72	3430			3
1997	No Data Available												
1998	No Data Available												
1999	339	2	0	4	0	0	3	3	7	2673			0
2000	301	6	1	14	0	0	3	3	18	2925			50
2001	340	3	1	6	0	0	3	3	10	2686			26
2002	261	6	1	7	0	3	5	8	16	1917			27
2003	319	8	0	8	0	10	6	16	24	2472			0

2004	367	8	3	4	0	20	3	23	30	2329	50	4	0
2005	300	9	0	12	0	10	5	15	27	1976	50	4	11
2006	400	15	0	18	0	30	13	43	61	3002	50	11	7
2007	383	10	0	19	0	10	10	20	39	3438	50	14	8
2008	485	8	2	11	0	15	9	24	37	3850	50	6	25
2009	426	8	3	13	0	14	3	17	33	3524	50	15	0
2010	466	8	3	14	0	5	17	22	39	4461	25	11	8
2011	512	6	3	10	0	20	0	20	33	3830	25	7	9
2012	404	8	0	7	0	19	6	25	32	3006	25	5	9
2013	n/a	n/a	1	3	0	8	6	14	18	n/a	25	3	0
2014	340	6	0	11	0	11	0	11	22	2358	25	8	36
2015	248	4	0	2	0	9	0	9	11	2189	25	2	0
2016	394	5	0	5	0	13	0	13	18	3003	25	5	0
2017	n/a	n/a	0	16	0	12	0	12	28	n/a	25	15	0
2018	281	9	0	7	0	16	3	19	26	1943	28	7	12
2019	n/a	n/a	0	14	0	3	6	9	23	n/a	28	11	26
10 yr. Avg.	394	7	1	9	0	13	4	16	26	3160	28	8	7
Avg.													



HUNTING DISTRICT 130

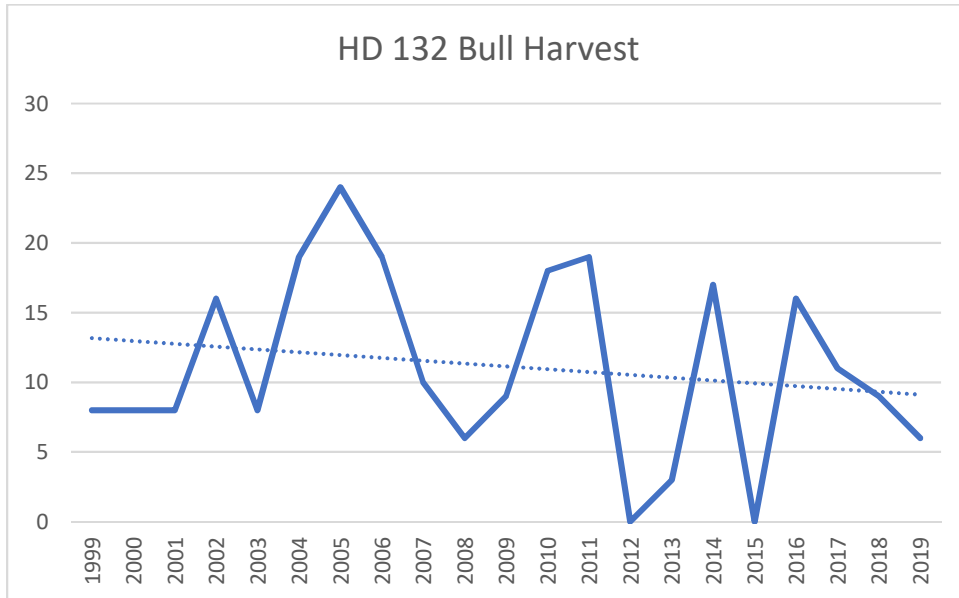
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	% Archery
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Harvest</u>
1990	1280	3	0	2	16	16	5	37	39	7710			20
1991	1236	7	0	9	26	30	17	73	82	6641			14
1992	1305	5	2	5	30	27	7	64	71	7588			13
1993	1494	2	0	0	15	13	9	37	37	8439			16
1994	1429	5	0	3	26	28	9	63	66	8316			4
1995	1504	3	0	6	19	11	4	34	40	9144			0
1996	1164	3	0	0	17	13	0	30	30	6530			8
1997	No Data Available												
1998	No Data Available												
1999	1176	1	0	0	0	13	3	16	16	7019			25
2000	930	1	0	0	0	11	0	11	11	5797			33
2001	932	2	0	0	3	8	5	16	16	4928			0
2002	952	2	0	0	0	11	8	21	21	5383			0
2003	1105	3	0	0	2	16	19	37	37	6569			14
2004	1273	7	3	17	0	44	26	70	90	7681	0	0	3
2005	1387	6	3	14	0	44	21	65	82	9208	0	0	13
2006	1315	5	0	19	11	37	4	52	71	8707	5	0	11
2007	1310	6	0	21	0	50	5	55	76	9706	5	2	21
2008	1345	6	2	15	3	41	21	66	83	9488	5	0	18
2009	1434	5	0	17	0	30	24	54	71	10050	5	5	13
2010	1282	5	0	20	0	39	8	47	67	8881	5	0	0
2011	1595	4	0	22	0	31	14	45	66	11068	5	5	26
2012	1270	2	0	1	0	22	6	28	29	8191	5	1	21
2013	n/a	n/a	0	0	0	25	8	33	33	n/a	5	0	0
2014	1136	4	0	3	0	34	8	42	45	7801	5	3	31
2015	1123	4	0	5	0	31	9	40	45	8207	5	2	27
2016	1246	2	0	0	0	22	6	28	28	8624	5	0	0
2017	n/a	n/a	0	5	0	38	17	55	60	n/a	5	3	5
2018	1133	5	0	8	0	28	16	44	52	7692	5	5	17
2019	n/a	n/a	0	2	0	21	12	33	35	n/a	5	2	9
10 Yr.	1287	4	0	8	0	30	12	42	50	8971	5	2	14
Avg.													



HUNTING DISTRICT 132

		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	%
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Archery</u> <u>Harvest</u>
1990	325	5	0	7	7	0	0	7	15	1676			0
1991	490	8	0	7	13	13	6	32	40	2373			0
1992	378	6	2	7	9	3	0	12	22	1923			0
1993	505	4	2	5	6	8	1	15	22	2750			0
1994	456	5	0	0	10	15	0	25	25	2569			0
1995	532	1	0	0	2	0	6	8	8	2899			0
1996	633	9	0	35	12	13	0	25	60	3610			0
1997	No Data Available												
1998	No Data Available												
1999	445	2	0	3	3	0	5	8	11	2822			0
2000	304	3	0	0	0	8	0	8	8	1959			0
2001	316	4	0	3	0	3	5	8	13	2011			0
2002	379	4	0	1	0	13	3	16	17	2186			19
2003	313	3	0	1	0	8	0	8	9	2035			0
2004	559	9	3	31	3	10	6	19	53	3233	0	0	11
2005	479	12	0	32	0	19	5	24	56	2869	5	0	6
2006	406	6	0	7	0	8	11	19	26	2374	5	0	15
2007	436	3	5	0	0	10	0	10	15	2880	5	0	33
2008	396	2	0	3	0	6	0	6	9	3056	5	0	33
2009	526	4	0	12	0	3	6	9	21	3797	5	0	14
2010	522	8	3	21	0	11	7	18	42	3306	5	1	12
2011	591	7	0	21	0	11	8	19	40	4590	5	1	8
2012	527	1	0	4	0	0	0	0	4	3400	5	1	0
2013	n/a	n/a	3	3	0	3	0	3	9	n/a	5	0	0
2014	463	5	0	8	0	8	9	17	25	3284	5	0	12
2015	399	2	0	6	0	0	0	0	6	3032	5	0	0
2016	377	5	0	3	0	13	3	16	19	3101	5	0	32
2017	n/a	n/a	0	9	0	3	8	11	20	n/a	5	0	30

2018	300	7	0	12	0	0	9	9	22	2703	6	3	27
2019	n/a	n/a	0	5	0	6	0	6	11	n/a	6	5	27
10 Yr.	454	4	1	10	0	5	5	10	21	3315	5	1	14
Avg.													

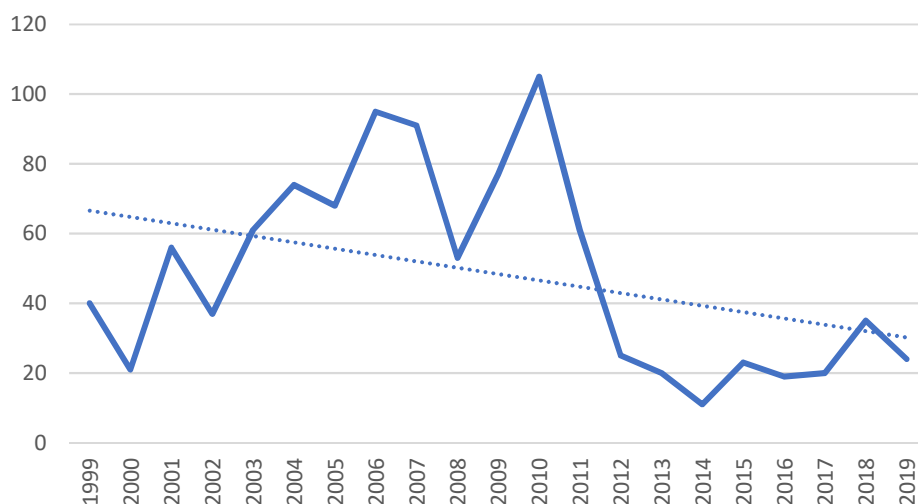


HUNTING DISTRICT 140

		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B-Tags	B-Tag	%
Year	Hunters	Succ.	Calf	Cow	Bull	Bull	Bull	Bull	Harv.	Days	Issued	Harvest	Harvest
1986	1963	9	22	60	32	34	20	86	167	9503			
1987	2083	7	11	30	23	46	32	101	142	11529			
1988	2055	11	24	101	35	49	14	98	223	11227			10
1989	2005	10	7	57	50	49	28	127	191	11265			14
1990	1652	8	10	34	19	55	11	85	129	8909			18
1991	1636	10	21	51	51	34	12	97	169	9268			1
1992	1620	10	10	47	33	39	37	109	168	9342			17
1993	1806	7	12	49	21	26	12	59	121	9624			5
1994	1692	6	10	38	24	19	16	59	107	8873			5
1995	1303	5	0	23	6	21	19	46	68	7672			7

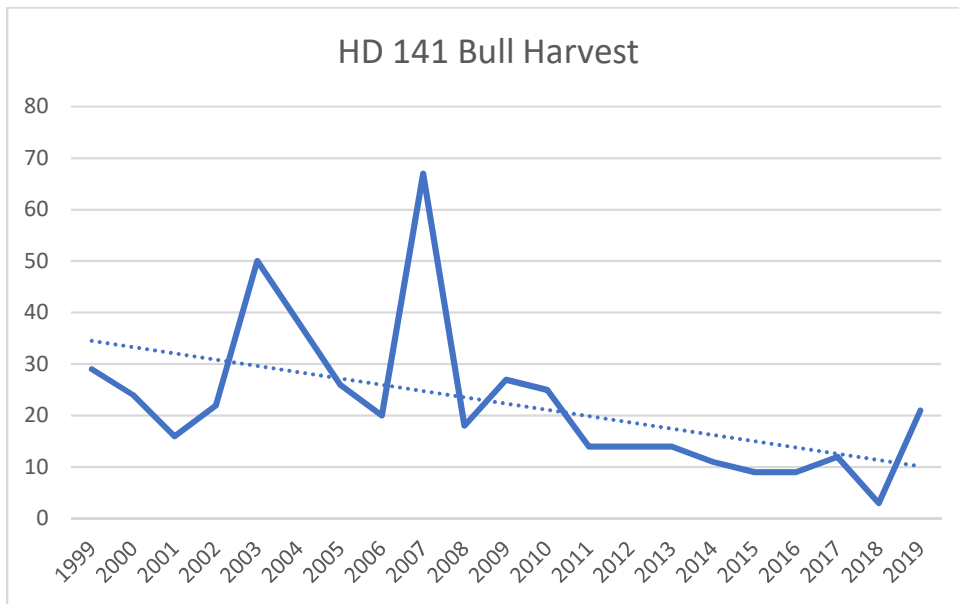
1996	1114	6	2	22	15	15	15	45	69	6212			18
1997	No Data Available												
1998	No Data Available												
1999	829	5	0	2	0	29	11	40	42	4207			18
2000	674	3	0	0	0	11	10	21	21	3827			29
2001	652	9	0	0	0	56	0	56	56	3772			23
2002	655	6	0	3	0	26	8	37	40	3888			20
2003	827	8	0	5	9	30	22	61	66	5268			9
2004	910	10	3	16	0	52	22	74	93	5636	0	0	16
2005	794	9	0	7	0	34	34	68	75	4633	0	0	57
2006	730	14	0	4	0	62	33	95	99	4700	5	0	22
2007	686	14	0	4	0	45	46	91	95	5050	5	2	33
2008	968	7	0	12	0	32	21	53	65	7173	5	0	23
2009	1006	9	0	12	0	39	38	77	89	7369	5	0	20
2010	852	14	0	16	0	39	66	105	121	5508	5	3	21
2011	919	7	0	7	0	25	36	61	68	6356	5	1	25
2012	826	4	0	6	0	8	17	25	31	6035	5	3	19
2013	n/a	n/a	0	6	0	6	14	20	26	n/a	5	4	23
2014	652	2	0	2	0	8	3	11	13	3908	5	2	0
2015	647	6	0	14	0	9	14	23	37	5450	5	5	49
2016	600	5	0	9	0	10	9	19	28	5004	5	0	21
2017	n/a	n/a	0	1	0	6	14	20	21	n/a	5	1	57
2018	543	7	0	4	0	22	13	35	39	4363	5	1	8
2019	n/a	n/a	0	0	0	12	12	24	24	n/a	5	0	38
10 Yr.	770	8	0	8	0	17	22	40	47	5622	5	2	24
Avg.													

HD 140 Bull Harvest



HUNTING DISTRICT 141

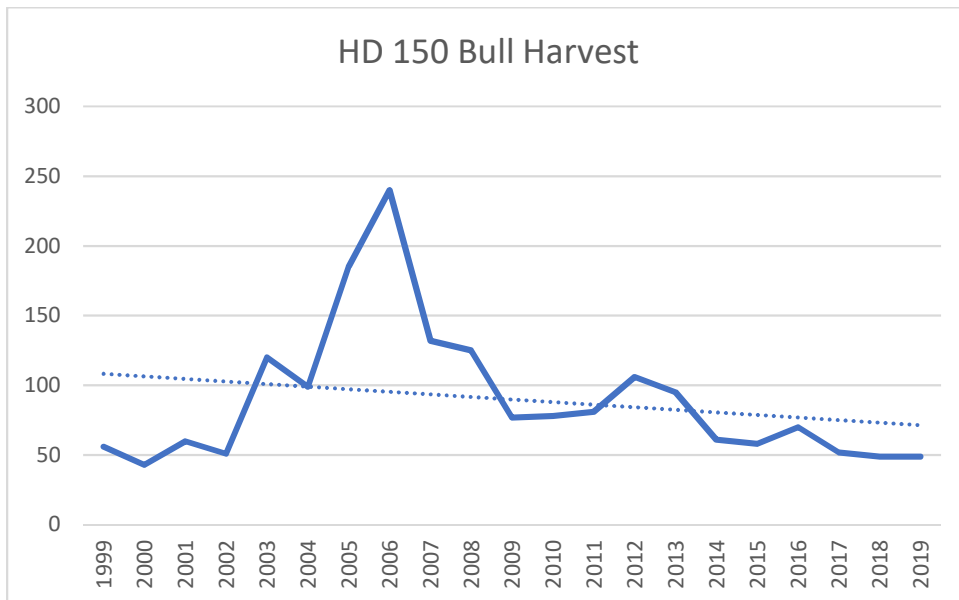
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	%
Year	Hunters	Succ.	Calf	Cow	Bull	Bull	Bull	Bull	Harv.	Days	Issued	Harvest	Archery Harvest
1986	470	13	11	15	8	6	19	33	59	2628			
1987	607	11	5	17	9	12	21	42	65	3575			
1988	703	21	5	49	42	34	16	82	146	3893			13
1989	719	13	2	33	21	21	13	55	91	4147			9
1990	564	12	0	23	18	21	6	45	68	3155			12
1991	536	12	7	33	10	10	5	25	65	2642			5
1992	617	13	0	32	2	28	19	49	81	3652			17
1993	649	11	0	20	15	11	27	53	73	3426			5
1994	758	13	5	34	8	21	33	62	100	4391			8
1995	592	9	6	25	0	5	15	20	51	3249			5
1996	551	19	0	50	9	23	20	52	102	3346			10
1997	No Data Available												
1998	No Data Available												
1999	408	9	0	6	0	8	21	29	35	2517			38
2000	320	8	0	1	0	14	10	24	25	2126			43
2001	325	6	0	3	0	6	10	16	19	1754			0
2002	341	8	3	4	0	14	8	22	29	2073			48
2003	352	16	2	5	0	22	25	50	57	2153			9
2004	358	12	0	6	0	20	18	38	43	2154	25	3	28
2005	357	11	3	11	3	12	11	26	40	2133	25	3	3
2006	200	17	2	12	0	5	15	20	34	1522	25	5	44
2007	292	24	0	4	0	41	26	67	71	1916	25	4	45
2008	315	8	1	5	0	6	12	18	24	2624	25	3	25
2009	294	12	3	6	3	12	12	27	36	2009	25	6	8
2010	274	13	0	11	0	11	14	25	36	1957	0	0	22
2011	199	7	0	0	0	6	8	14	14	1280	0	0	0
2012	192	9	0	3	0	6	8	14	17	1418	0	0	18
2013	n/a	n/a	0	0	0	3	11	14	14	n/a	0	0	57
2014	175	6	0	0	0	5	6	11	11	1318	0	0	45
2015	155	6	0	0	0	3	6	9	9	1237	0	0	0
2016	137	7	0	0	0	3	6	9	9	913	0	0	0
2017	n/a	n/a	0	0	0	6	6	12	12	n/a	0	0	0
2018	119	3	0	0	0	3	0	3	3	827	0	0	0
2019	n/a	n/a	0	0	0	12	9	21	21	n/a	0	0	29
10 Yr. Avg.	215	10	0	2	0	6	8	14	16	1550	3	1	15



HUNTING DISTRICT 150

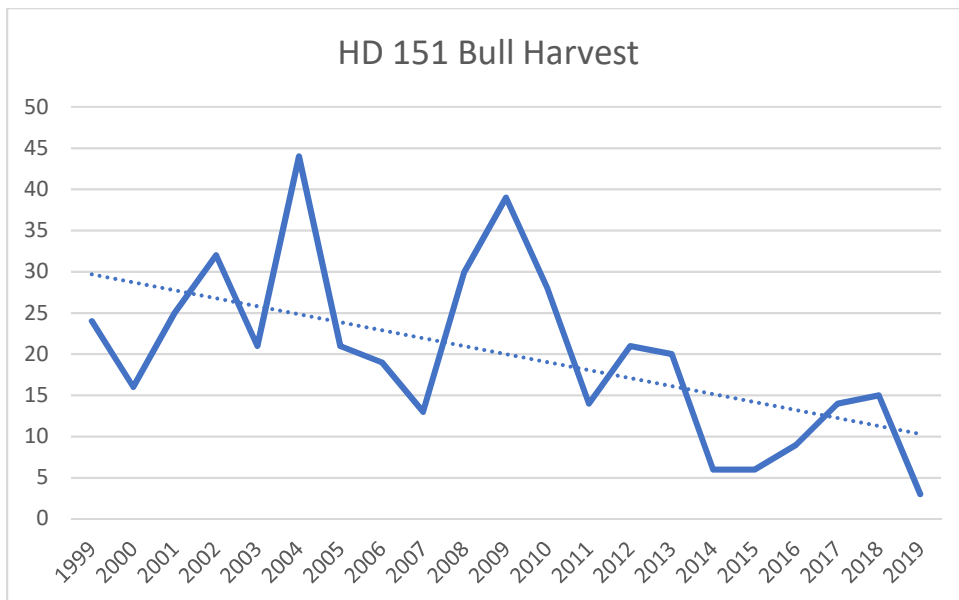
		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	% Archery	
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Harvest</u>	
1986	875	21	2	46	11	75	46	132	180	6451			N/A	
1987	964	21	9	38	31	75	47	153	200	7601			N/A	
1988	990	21	4	26	39	96	42	177	206	7022			N/A	
1989	973	16	2	15	47	77	15	139	156	6619			N/A	
1990	752	19	0	47	3	81	12	96	143	5194			N/A	
1991	617	16	6	39	6	43	5	54	100	3745			N/A	
1992	531	21	2	37	11	39	24	74	113	3549			N/A	
1993	612	15	2	19	8	28	35	71	93	3878			N/A	
1994	649	22	6	21	20	66	27	113	141	4050			N/A	
1995	622	17	10	15	24	28	30	82	106	3043			N/A	
1996	372	15	0	12	10	25	10	45	57	2410			N/A	
1997	No Data Available													
1998	No Data Available													
1999	365	16	0	3	0	40	16	56	59	2603			N/A	
2000	370	12	0	0	0	24	19	43	43	2441			N/A	
2001	388	15	0	0	0	40	20	60	60	2618			N/A	
2002	358	17	0	9	0	40	11	51	60	2336			N/A	

2003	391	31	0	0	0	50	70	120	120	2399			N/A	
2004	423	24	0	3	0	40	59	99	102	2937	0	0	3	
2005	756	28	0	23	3	83	99	185	208	5440	0	0	8	
2006	797	32	0	12	0	135	105	240	252	5821	0	0	2	
2007	545	29	0	24	0	48	84	132	156	4009	0	0	6	
2008	502	26	0	8	0	70	55	125	133	3457	0	0	2	
2009	377	22	0	6	0	41	36	77	83	2780	0	0	4	
2010	434	18	0	0	0	28	50	78	78	2829	0	0	18	
2011	519	17	3	6	0	28	53	81	90	3500	0	0	0	
2012	585	20	3	8	0	50	56	106	117	3823	0	0	5	
2013	n/a	n/a	0	8	0	48	47	95	103	n/a	0	0	3	
2014	377	17	0	3	0	35	26	61	64	2731	0	0	5	
2015	295	21	0	3	0	27	31	58	61	2166	0	0	0	
2016	470	17	0	9	0	41	29	70	79	3369	0	0	11	
2017	n/a	n/a	0	3	0	17	35	52	55	n/a	0	0	16	
2018	304	16	0	0	0	25	24	49	49	2310	0	0	18	
2019	n/a	n/a	0	3	0	14	35	49	52	n/a	0	0	15	
10 Yr.	441	20	1	5	0	34	39	73	78	3097	0	0	8	
Avg.														



HUNTING DISTRICT 151

		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	% Archery
Year	Hunters	Succ.	Calf	Cow	Bull	Bull	Bull	Bull	Harv.	Days	Issued	Harvest	Harvest
1986	140	12	0	0	8	6	3	17	17	825			N/A
1987	106	5	0	3	0	3	0	3	6	731			N/A
1988	159	22	0	17	11	7	0	18	35	1056			N/A
1989	134	12	0	2	8	5	0	13	16	977			N/A
1990	159	14	0	2	3	16	0	19	22	952			N/A
1991	183	26	0	12	4	17	14	35	47	1211			N/A
1992	200	16	0	0	8	9	15	32	32	1283			N/A
1993	207	24	4	4	4	27	11	42	50	1290			N/A
1994	158	25	0	0	3	18	19	40	40	964			N/A
1995	147	20	0	0	4	13	13	30	30	889			N/A
1996	151	16	0	7	2	10	5	17	25	906			N/A
1997	No Data Available												
1998	No Data Available												
1999	98	24	0	0	0	16	8	24	24	612			N/A
2000	88	18	0	0	0	8	8	16	16	440			N/A
2001	104	24	0	0	0	16	9	25	25	543			N/A
2002	121	27	0	0	0	15	17	32	32	721			N/A
2003	83	26	0	0	0	18	3	21	21	620			N/A
2004	143	31	0	0	0	26	18	44	44	848	0	0	0
2005	80	26	0	0	0	8	13	21	21	555	0	0	0
2006	119	16	0	0	0	11	8	19	19	665	0	0	0
2007	66	30	4	3	0	5	8	13	20	439	0	0	0
2008	155	19	0	0	0	21	9	30	30	1141	0	0	0
2009	183	23	0	3	0	21	18	39	42	1247	0	0	0
2010	144	19	0	0	0	6	22	28	28	1030	0	0	39
2011	93	18	0	3	0	6	8	14	17	657	0	0	18
2012	94	22	0	0	2	5	14	21	21	630	0	0	29
2013	n/a	n/a	0	0	0	6	14	20	20	n/a	0	0	0
2014	75	8	0	0	0	0	6	6	6	540	0	0	0
2015	41	15	0	0	0	0	6	6	6	230	0	0	0
2016	62	15	0	0	0	3	6	9	9	466	0	0	0
2017	n/a	n/a	0	0	0	8	6	14	14	n/a	0	0	0
2018	138	13	0	3	0	6	9	15	18	876	0	0	17
2019	n/a	n/a	0	0	0	0	3	3	3	n/a	0	0	0
10 Yr.	105	18	0	1	0	6	11	17	18	726	0	0	10
Avg.													



HUNTING DISTRICT 170

		%			1-2 pt.	3-5 pt.	6 pt. +	Total	Total	Hunter	B- Tags	B-Tag	%
<u>Year</u>	<u>Hunters</u>	<u>Succ.</u>	<u>Calf</u>	<u>Cow</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Bull</u>	<u>Harv.</u>	<u>Days</u>	<u>Issued</u>	<u>Harvest</u>	<u>Harvest</u>
1986	74	7	2	3	0	0	0	0	5	472			
1987	110	0	0	0	0	0	0	0	0	538			
1988	73	12	0	0	9	0	0	9	9	358			0
1989	103	2	2	0	0	0	0	0	2	480			0
1990	114	4	0	0	3	0	2	5	5	572			0
1991	106	5	0	5	0	0	0	0	5	539			0
1992	50	0	0	0	0	0	0	0	0	201			0
1993	55	0	0	0	0	0	0	0	0	247			0
1994	46	0	0	0	0	0	0	0	0	244			0
1995	63	2	0	0	1	0	0	1	1	297			0
1996	No Data Available												
1997	No Data Available												
1998	No Data Available												
1999	56	5	0	3	0	0	0	0	3	342			0
2000	56	29	0	11	0	5	0	5	16	338			25
2001	83	6	0	3	0	3	0	3	6	366			0
2002	78	13	0	5	0	3	2	5	10	529			0
2003	96	17	0	0	2	11	3	16	16	500			19
2004	161	20	3	21	0	5	3	8	32	890	0	0	0
2005	200	10	1	7	0	3	8	11	19	1128	0	0	26
2006	194	10	0	4	0	8	7	15	19	1402	0	0	58
2007	203	7	0	0	0	5	10	15	15	1294	0	0	67
2008	345	3	3	9	0	0	0	0	12	3063	0	0	25
2009	512	6	0	15	0	6	9	15	30	4103	0	0	30
2010	340	3	3	3	0	0	3	3	9	2522	0	0	67
2011	341	6	0	14	0	8	0	8	22	2615	0	0	0

2012	242	6	0	8	0	6	0	6	14	1856	0	0	0
2013	n/a	n/a	0	20	0	0	5	5	25	n/a	0	0	0
2014	200	9	0	3	0	11	3	14	17	1618	0	0	0
2015	275	8	3	9	0	6	3	9	21	2276	0	0	29
2016	289	10	0	12	0	3	13	16	28	2155	0	0	32
2017	n/a	n/a	0	25	0	8	6	14	39	n/a	0	0	8
2018	330	4	0	6	0	3	4	7	13	2316	0	0	0
2019	n/a	n/a	0	6	0	9	0	9	15	n/a	0	0	20
10 Yr.	308	6	1	12	0	5	5	10	22	2382	0	0	17
Avg.													

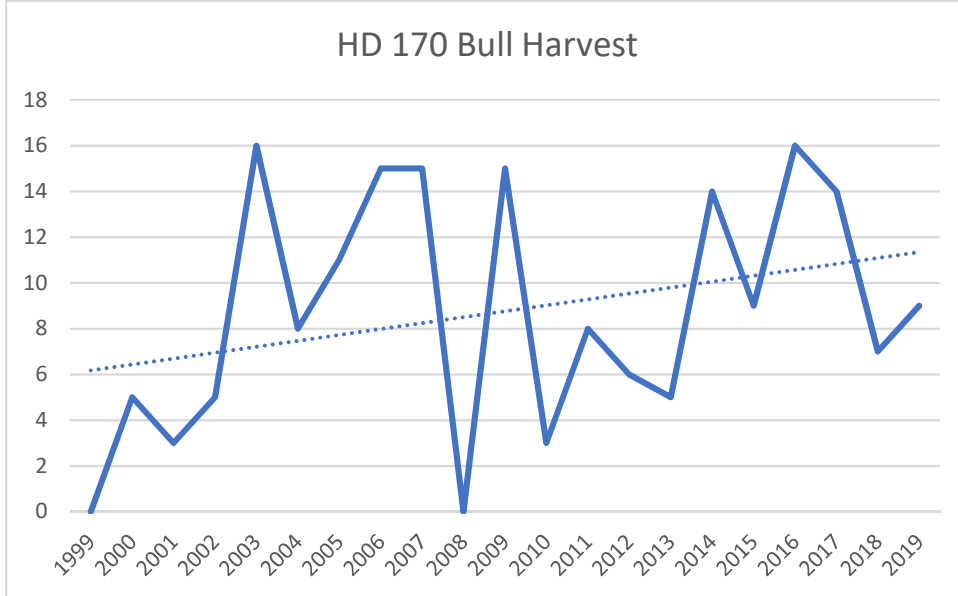


TABLE 7. NUMBER OF BULL ELK BY AGE CLASS AS CHECKED THROUGH REGION ONE CHECK STATIONS.

	AGE CLASS															Sample	Average
Year	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.5	Size	Age
1995	32	5	2	1	1	0	0	0	0	1	0	0	0	0	0	42	2.1
1996	25	5	3	5	0	1	0	1	1	0	1	0	0	0	0	42	2.8
1997	27	9	5	2	3	1	0	0	0	0	1	0	0	0	0	48	2.6
1998	1	12	7	3	3	1	0	0	0	0	0	0	0	0	0	27	3.4
1999	5	17	8	5	2	2	1	1	2	1	0	0	0	0	0	44	3.9
2000	1	26	6	2	2	2	1	1	0	0	0	0	0	0	0	41	3.3
2001	2	36	13	5	0	1	1	0	0	1	1	0	0	0	1	61	3.5
2002	2	30	20	6	2	1	0	1	2	0	3	1	0	0	1	69	4.1
2003	4	51	19	9	3	2	0	2	1	0	0	0	0	0	0	91	3.3
2004	3	54	20	12	3	4	2	2	0	0	0	1	1	0	0	102	3.6
2005	6	66	13	4	1	4	0	1	0	0	0	0	0	1	0	96	3.0
2006	5	44	14	10	4	3	4	1	0	0	1	0	0	0	0	86	3.5
2007	0	41	15	8	6	3	2	0	1	0	1	0	0	0	0	77	3.6
2008	0	26	13	13	7	4	3	0	0	1	1	0	0	0	0	68	4.1
2009	0	31	20	11	5	5	0	6	0	0	0	0	0	0	0	78	3.9
2010*	0	12	9	4	3	3	2	2	1	0	0	0	0	0	0	36	4.4
2011*	0	7	0	3	1	1	1	0	0	0	0	0	0	0	0	13	3.9
2012*	0	9	1	1	1	1	0	2	0	0	0	0	1	0	0	16	4.6
2013	1	18	6	3	1	2	1	1	0	0	0	0	0	0	0	33	3.5
2014	0	11	9	0	2	1	0	0	0	1	0	0	0	0	0	24	3.6
2015	2	38	6	1	2	2	1	1	0	0	0	0	0	0	0	53	3.1
2016	0	28	6	5	0	0	0	0	0	0	0	0	0	0	0	39	2.9
2017	3	28	4	2	3	0	0	0	0	0	0	0	0	0	0	40	2.9
2018	1	17	9	2	3	0	1	1	0	0	0	0	0	0	0	34	3.4
Age determined by laboratory analysis of cementum																	
*	Thompson Falls Check Station Only																

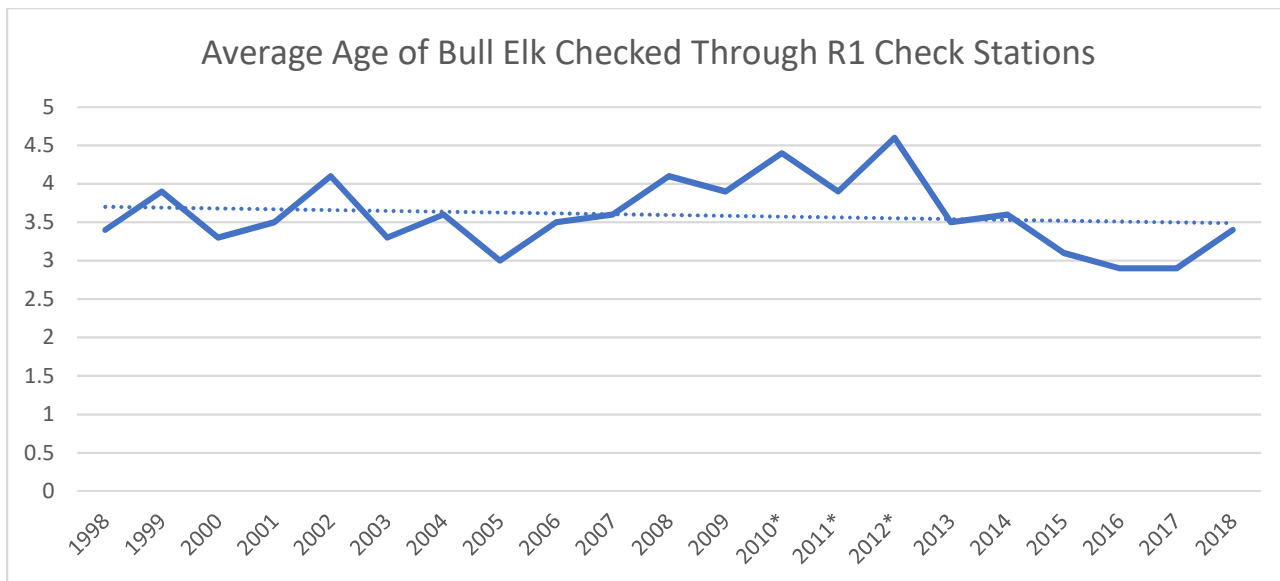


TABLE 8. PERCENT OF BULL ELK BY AGE CLASS AS CHECKED THROUGH REGION ONE CHECK STATIONS.

	AGE CLASS							Sample	Average
Year	1.5	2.5	3.5	4.5	5.5	6.5	7.5+	Size	Age
1995	76	12	5	2	2	0	2	42	2.1
1996	60	12	7	12	0	2	7	42	2.8
1997	56	19	10	4	6	2	2	48	2.6
1998	4	44	26	11	11	4	0	27	3.4
1999	11	39	18	11	5	5	11	44	3.9
2000	2	63	15	5	5	5	5	41	3.3
2001	3	59	21	8	0	2	7	61	3.5
2002	3	43	29	9	3	1	12	69	4.1
2003	5	56	21	10	3	2	3	91	3.3
2004	3	53	19	12	3	4	6	102	3.6
2005	6	69	14	4	1	4	2	96	3.0
2006	6	51	16	12	5	3	7	86	3.5
2007	0	53	20	10	8	4	5	77	3.6
2008	0	38	19	19	10	6	8	68	4.1
2009	0	40	26	14	6	6	8	78	3.9
2010*	0	34	25	11	8	8	14	36	4.4
2011*	0	53	0	23	8	8	8	13	3.9
2012*	0	56	6	6	6	6	19	16	4.6
2013	3	55	18	9	3	6	6	33	3.5
2014	0	46	38	0	8	4	4	24	3.6
2015	4	71	11	2	4	4	4	53	3.1
2016	0	72	15	13	0	0	0	39	2.9
2017	7	70	10	5	8	0	0	40	2.9
2018	3	50	26	6	9	0	6	34	3.4
*	Thompson Falls Check Station Only.								

History of Elk Management in Region One

Region One is comprised of about 10,516 square miles of area. About 78 percent of the region is in public ownership. The region is moderately to heavily timbered. Elk occur in about 95 percent of the region.

After World War II, the Department organized and became more active in the management of elk. In the 1940s and 1950s, the region had six elk hunting districts. The districts were large, mostly timbered, and access for hunters was limited to trails and a few roads. Elk populations were scattered, with relatively good numbers in the South Fork of the Flathead River, a rapidly growing population in the lower Clark Fork Valley near Thompson Falls, and lesser numbers in other areas of the region. Hunting seasons were quite liberal with most being five weeks of either-sex. In 1958, for example, the region recorded the elk harvest at about 2,391 animals with 45 percent being bulls, 44 percent cows and 11 percent calves. Twenty-two percent of the bulls were spikes.

These conditions prevailed into the late 1960s. As land management involving timber harvest became more intensive in the 1960s, and concurrent with the transplanting of about 950 elk into 15 different sites within the region, elk became more widely distributed. Elk numbers began to increase in the areas where there were few previously. Hunter access to elk habitat on newly constructed forest roads increase as did hunter numbers. In 1969, the region had 13,892 elk hunters. While total elk harvest was 1,828 animals, a little lower than 11 years earlier, the proportion of bulls in the harvest had increased to 54 percent with 33 percent of that harvest being spikes.

In the 1970s and early 1980s, the number of elk hunting districts increased to 15, and season length for either-sex hunting decreased from five weeks, to three weeks, to one week in most districts. These were efforts to distribute the increasing hunter pressure and maintain elk populations in response to greatly changing habitat conditions. The number of elk hunters in Region One peaked in 1973 at 18,257 and has declined at a slow rate since. The number of elk harvested also peaked in 1973 with 2,751 reported taken. Since 1969, the elk harvest has fluctuated around 1,980 per year.

At present (unknown date, I believe this is around 1986 or 1987), elk are more widely distributed within Region One than any other time this century. Fourteen of 15 hunting districts in the region support elk populations that provide hunting opportunities for the sportsman of northwestern Montana. Population levels, while difficult to assess, appear to be in a stable to slightly increasing mode with areas like the lower Clark Fork, upper South Fork of the Flathead, Yaak River and Tobacco River having improved elk numbers in recent years.

In addition to the 78 percent public ownership of lands in the region, lands belonging to the Montana Department of State Lands, Champion International and Plum Creek Timber Company bring the total non-private habitat to about 90 percent of the region's land base. About 75 to 80 percent of the land base is outside of designated wilderness areas.

Management of the timber resources in Region One has created vehicle access to most of the non-wilderness areas. A 1987 rating of security cover in all hunting districts in Region One resulted in an average of 31 percent rate excellent and an additional 26 percent rated as good. Nineteen percent of the ratings were poor. Nine of 13 hunting districts outside of the wilderness areas rated on the degree of access resulted in an average of 38 percent in a heavily roaded status and 34 percent in a moderately roaded status.

The last 19 years average of regional elk harvest is 1,965 animals of which about 58 percent are bulls. About 53 percent of the bull harvest is made up of spike bulls. Elk hunters average a total of about 122,800 days afield each year. Hunter success is about 13 percent. Either-sex elk hunting opportunities are now limited to eight of

15 hunting districts with the region. Special permits to limit the harvest of antlerless elk are being used in two hunting districts, while four hunting districts have antlered elk hunting only to maintain the population levels.

* The above was written by an unknown author sometime in the mid to late 1980s.

The decade of the 1990s was a time when elk management was very consistent throughout the region for the first half of the decade. But management was about to make a big change. From 1990 – 1995 the 18 hunting districts in the region were any bull regulation. Starting in 1996 with 3 hunting districts in the Lower Clark Fork Valley (121, 123 and 124) the hunting of bull elk was restricted to brow-tined bull. Essentially, making yearling bulls, spikes, illegal. By 1998, all hunting districts in Region One were brow-tined bull with one exception, HD 170 which was either-sex for the entire season.

From 1990 – 1997 antlerless elk hunting was managed primarily by antlerless or either-sex seasons the first week or by limited antlerless permits. The winter of 1996/97 was one of the hardest winters on record with very cold temperatures and deep snow in the valleys which lasted through March and into early April. Snow in the valley of the Lower Clark Fork was approximately 48 inches covering most fences. These conditions lasted into early to mid-March. Winter kill on all age classes was severe. This prompted the department to drastically reduce antlerless permits. Starting with the 1998 hunting season, most hunting districts were limited antlerless permits. The 2 hunting districts in the Bob Marshall Wilderness, HDs 150 and 151, retained the early rifle season starting September 15th with a brow-tined bull or antlerless elk season for the first week. Hunting district 170 remained either-sex for the entire season.

Hunter numbers also decreased during this ten-year period. Between 1990-1995 hunter numbers averaged 16,742 but decreased substantially to 13,729 by 1999. The total harvest from 1990-1996 averaged 1,772 elk comprised of 1,084 bulls and 687 antlerless elk. By 1999 the harvest had decreased to 694 total elk with 523 bulls and 170 antlerless elk recorded.

The next two decades (2000-2019) saw very little change in elk management. There were two minor changes. In 2002, hunting district 109 was created from a portion of HD 110. Then in 2004, the season structure in hunting district 170 changed from an either-sex season to a brow-tined bull or antlerless elk season. Hunting remained brow-tined bull with antlerless elk by limited permit. The exception were the two Bob Marshall Wilderness districts (150 and 151) which remained an early rifle season starting September 15th for brow-tined bull or antlerless elk for the first week.

Hunter numbers continued to decline in the next 20 years. On average in Region One there were 15,806 hunters from 2000-2009 and 15,040 from 2010-2019. While hunter days increased over the same time-period from 146,840 days afield to 151,752 days afield. The average total harvest of elk from 2000-2009 was 1,528 elk consisting of 1025 bulls and 501 antlerless elk. In the next decade (2010-2019) the harvest continued to decrease with an average of 1090 total elk harvested in Region One which was comprised of 765 bulls and 324 antlerless elk.

.....



