

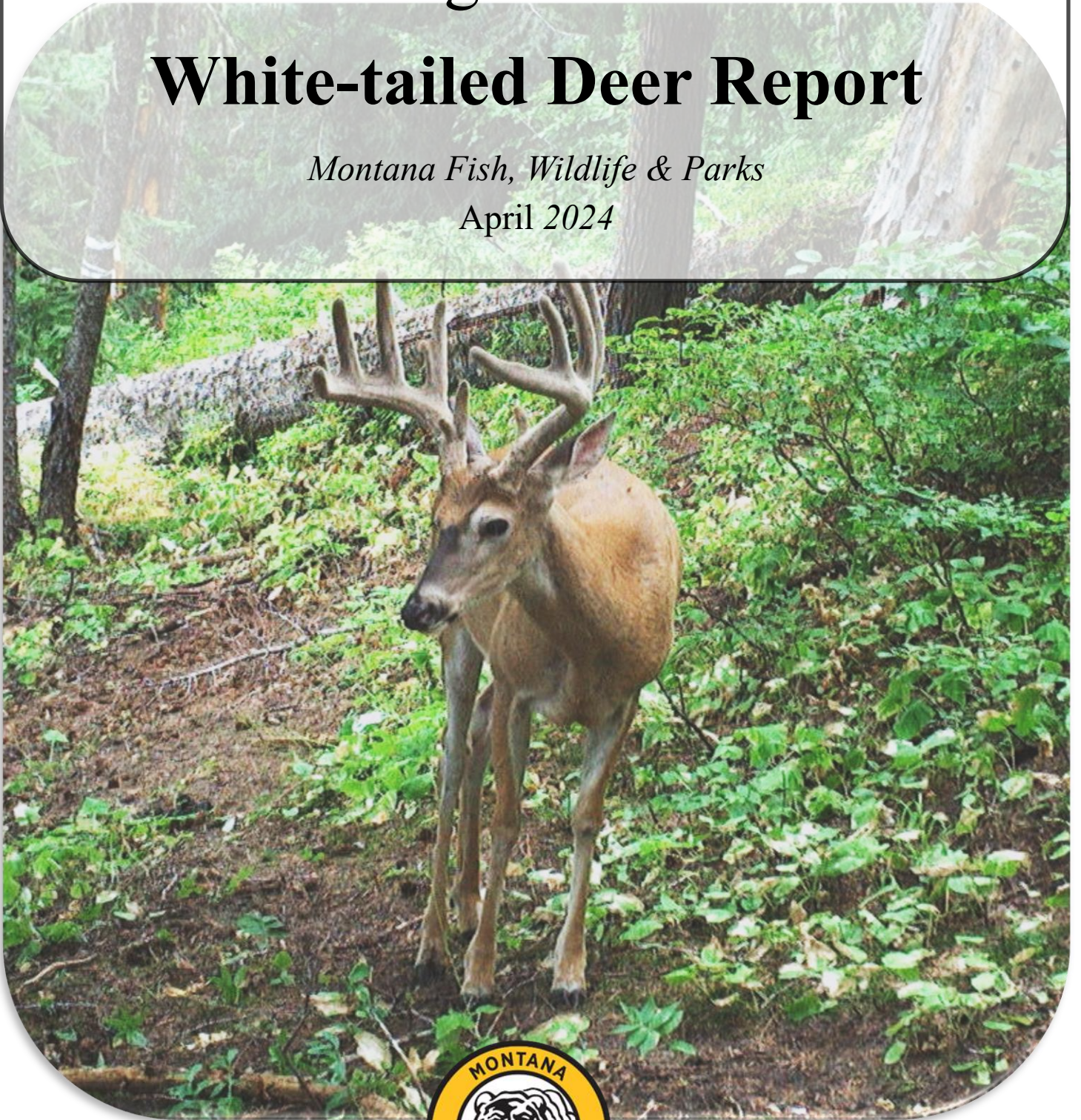
2022

Region One

White-tailed Deer Report

Montana Fish, Wildlife & Parks

April 2024



PURPOSE

This report summarizes biological data that Montana Fish, Wildlife and Parks (FWP) collects annually for white-tailed deer (*Odocoileus virginianus*; WTD) within FWP administrative Region One (R1). These data are used to inform wildlife biologists, managers, as well as Fish and Wildlife Commissioners and the public in making management recommendations and decisions. Factors which affect WTD populations are complex, with management decisions made according to biological and social concerns. This report is not intended to serve as comprehensive evaluation of R1 WTD management, and care should be taken when interpreting population data without additional context.

INTRODUCTION

R1 encompasses the northwestern corner of Montana and differs from much of the rest of the state due to its heavily forested landscape and relatively high amounts of annual precipitation. WTD are managed within 15 hunting districts (HDs)* whose boundaries generally follow known distributions of WTD populations that share similar movement patterns and habitat types (Figure 1).

**Note: During the 2022/2023 biennial season setting process, several HDs were combined to simplify hunting regulations. HDs 101 and 109 were combined into HD 101, and HD 102 and 103 were combined into HD 103. Although 2021 was the last year that these HDs were managed independently, the data presented here has been retroactively combined to reflect the new HD boundaries.*

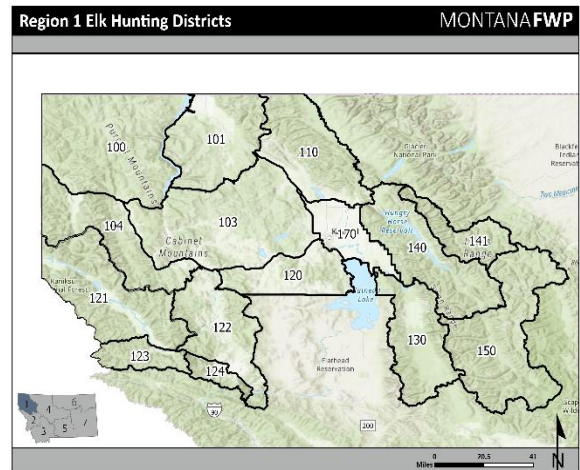


Figure 1. Region 1 WTD hunting districts.

MANAGEMENT STRATEGY

In Montana, there is currently no WTD management plan. Instead, WTD are managed at the regional and HD level, with HDs having either similar habitat and/or located in close proximity often managed similarly. This approach allows biologists to tailor WTD management to the uniqueness (both ecological and social) of each HD.

In R1, the ability to survey animals from the air is extremely limited due to the prevalence of dense conifer forest. Therefore, WTD are surveyed via the ground during the spring to obtain information on fawn survival. Harvest data is collected annually from phone surveys and 4 check stations (Thompson Falls, Olney, Highway 2 west of Kalispell, and in the Swan Valley) every weekend of the general season in R1. This data is then used for making management decisions/recommendations.

Changes to season structures are decided by the Fish and Wildlife Commission (FWC) every 2 years. B-Licenses are set each year within a FWC approved quota range while permit changes are approved by the FWC. R1 does not currently have any WTD permit opportunities.

2022 SEASON STRUCTURE

The FWC approved season structure changes that were initiated in 2022 and include: combining HDs 101 and 109 (eliminating 109) and combining HDs 102 and 103 (eliminating 102). In 2022, the general season structure for all HDs except 140, 141, 150 and 170 was either-sex during archery season, either-sex during the first week of general season, and antlered only during the remainder of the general season and muzzleloader season. In HDs 140, 141, 150 there is no antlerless harvest during the first week of the general season. In HD 170, either-sex may be harvested during any open season. Antlerless harvest opportunities via B licenses existed in all R1 HDs except 140, 141, and 150 with some late season opportunities (170: Nov 27 - Dec 15 archery only). In all HDs, youth (ages 10-15) can harvest either-sex WTD during general and muzzleloader seasons as well. In most HDs, permit to hunt from a vehicle holders can harvest either-sex WTD through the general and muzzleloader seasons.

2022 HARVEST SUMMARY

An estimated 8,992 (80% CI: 8,813 – 9,170) WTD were harvested in R1, accounting for 19.7% of Montana’s 2022 total WTD harvest (n = 45,369). Of the estimated harvested WTD in R1, 6,341 were males and 2,611 were females (Figure 2). The 2022 buck harvest is above the average buck harvest between 1960-2021 (\bar{x} = 6,041), which includes both the all-time low (2,187 in 1975) and high harvest (10,689 in 1996).

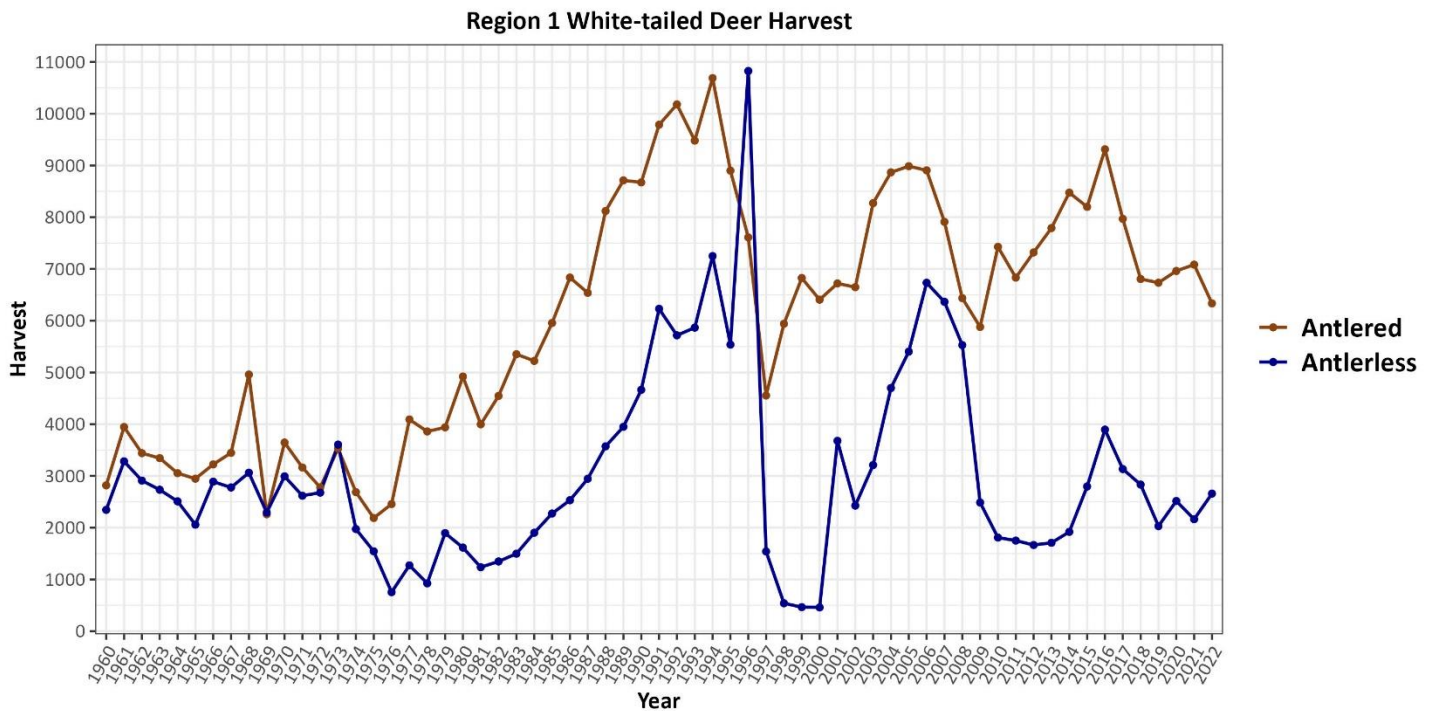


Figure 2. Region 1 WTD harvest by antlered or not from 1960 - 2022.

In R1, 8,470 (94.2%) of the WTD were harvested with a rifle, 357 (4.0%) with bow, and 165 (1.8%) with a muzzleloader. Of the total harvested WTD in R1, residents accounted for 94% (8,461), while nonresidents accounted for 6% (531), which is the same as their respective long-term averages (LTAs; Resident \bar{x} = 94.4%, Nonresident \bar{x} = 5.6%; Figure 3).

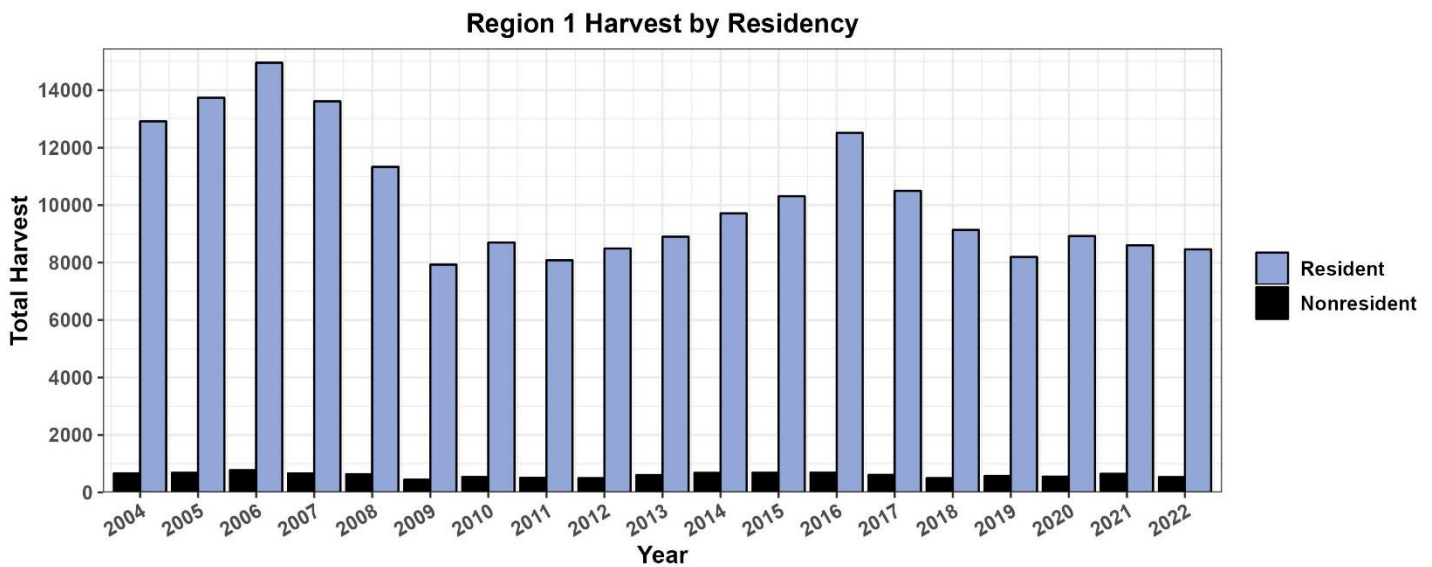


Figure 3. Region 1 WTD harvest by residency from 2004 – 2022.

2023 SURVEY SUMMARY

Surveys are conducted during the spring when WTD concentrate on lower elevations to forage on emerging vegetation. Due to the timing of WTD surveys in R1 and when male WTD drop their antlers (winter), surveys do not provide information on the number of males or females. Instead, a total number of adults and fawns is recorded. Spring surveys allow biologists to estimate *recruitment*, or the number of fawns that survived their first winter in relation to the number of adults. This is typically expressed as a ratio of the number of fawns per 100 adults and provides biologists another data source from which to evaluate population trend.

During April and May 2023, biologists conducted ground surveys in all HDs except 140, 141, and 150 (primarily roadless wilderness). Most of the surveys occurred during optimum green-up; however, timing this event perfectly can be difficult, thus some surveys were mismatched with optimum conditions, resulting in data that could not be used for trend analysis. Among the spring surveys, estimated recruitment was highest in HD 123 (45:100) and lowest in HD 120 (17:100; Table 1) with 7 HDs having a 3-year average greater than 36 fawns:100 adults observed, a recruitment value associated with a stable or increasing population when adult female survival is relatively high in northwest Montana.

Table 1. R1 WTD survey results and trend for 2023.

Region 1 WTD Survey Results (2023)			
HD	2023 Fawns:100 Adults	3yr Avg. Fawns:100 Adults (2021-2023)	3yr Avg. ≥ 36 Fawns:100 Adults
100	36	38	YES
101	28	35	NO
103	37	37	YES
104	32	33	NO
110	23	33	NO
120	17	34	NO
121	31	39	YES
122	33	42	YES
123	45	48	YES
124	33	38	YES
130	23	36	YES
170	38	47	YES

HUNTING DISTRICT SUMMARIES

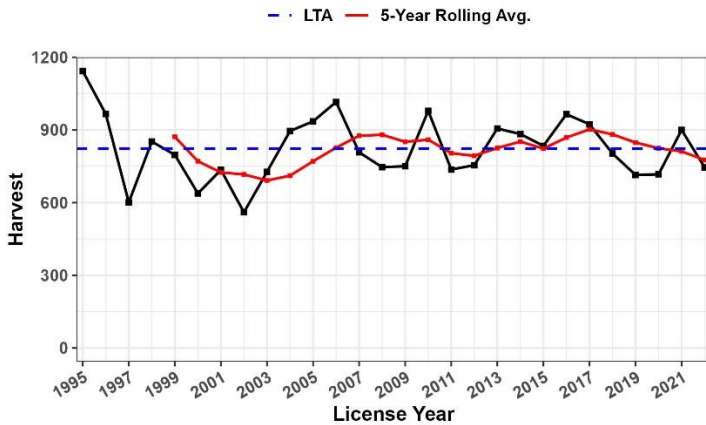
The following pages present the available information for WTD in each of R1's 15 HDs. Of important note for those HDs where population surveys are possible: missing data is often the result of either a survey not taking place, incomplete survey(s), or conditions did not allow data to be collected adequately. Care should be taken when interpreting individual point observations, as the data gains value when trend is interpreted across years such as with the long-term average. Current total count data should not be compared to historical data due to the vast changes in survey route specifics (i.e., length, number per HD, and location) over time.

HD 100 NORTH KOOTENAI

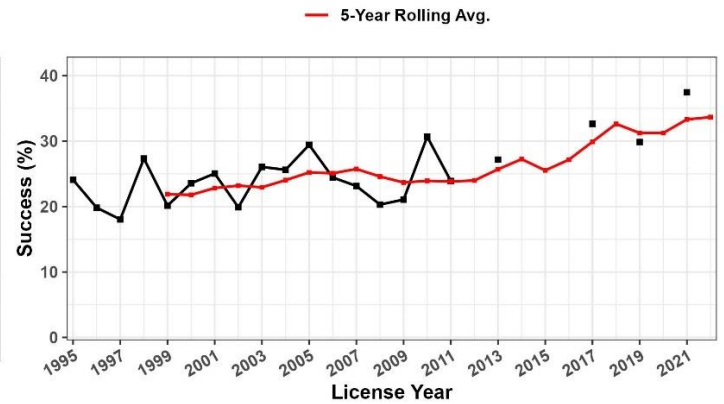


Antlered Harvest			
Square Miles	1407	LTA (1995 – 2022)	829
Harvest 2022	746	5-Year Average (2018 – 2022)	776
Harvest/mi ² 2022	0.53	5-Year Harvest Success (2018 – 2022)	34%
5-Year Harvest Trend	Decreasing	5-Year Harvest Success Trend	Increasing

HD 100 Antlered White-tailed Deer Harvest



HD 100 Buck Harvest Success*



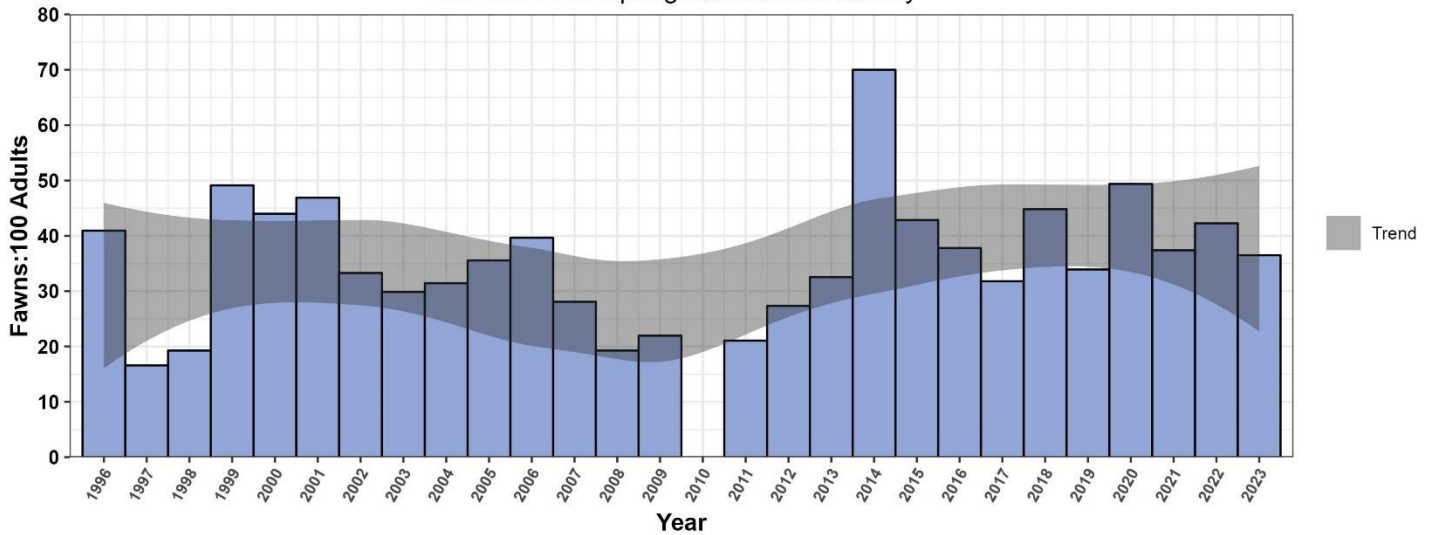
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 100 White-Tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	1143	824	1967	NA	2005	935	422	1357	61	2015	834	66	900	57
1996	966	1852	2818	NA	2006	1015	780	1798	61	2016	965	301	1266	51
1997	601	97	698	NA	2007	808	553	1360	60	2017	924	240	1163	55
1998	852	12	864	NA	2008	746	696	1442	67	2018	803	237	1040	51
1999	797	1	798	NA	2009	750	204	954	60	2019	714	132	847	68
2000	638	3	641	NA	2010	979	113	1091	60	2020	717	359	1076	62
2001	735	266	1001	NA	2011	737	96	833	57	2021	900	372	1272	63
2002	560	135	695	NA	2012	755	67	822	50	2022	746	382	1127	54
2003	727	229	956	NA	2013	906	71	976	50					
2004	896	568	1464	61	2014	883	62	945	48					



HD 100 WTD Spring Recruitment Survey



HD 100 Spring White-tailed Deer Surveys (1996 – 2023)

Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1996	254	104	181	539	41	2010	NA	NA	NA	NA	NA
1997	380	63	204	647	17	2011	176	36	4	216	20
1998	670	129	92	891	19	2012	300	81	13	394	27
1999	444	218	4	666	49	2013	538	175	0	713	33
2000	516	227	188	931	44	2014	330	231	48	609	70
2001	452	212	0	664	47	2015	399	171	34	604	43
2002	607	202	202	1011	33	2016	577	218	81	876	38
2003	603	180	80	863	30	2017	535	170	20	725	32
2004	598	188	14	800	31	2018	NA	NA	NA	NA	NA
2005	523	186	0	709	36	2019	469	159	12	640	34
2006	507	201	0	708	40	2020	403	199	27	629	49
2007	545	153	0	698	28	2021	388	145	16	549	37
2008	675	130	0	805	19	2022	344	145	7	412	42
2009	556	122	0	678	22	2023	378	138	21	563	37

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.



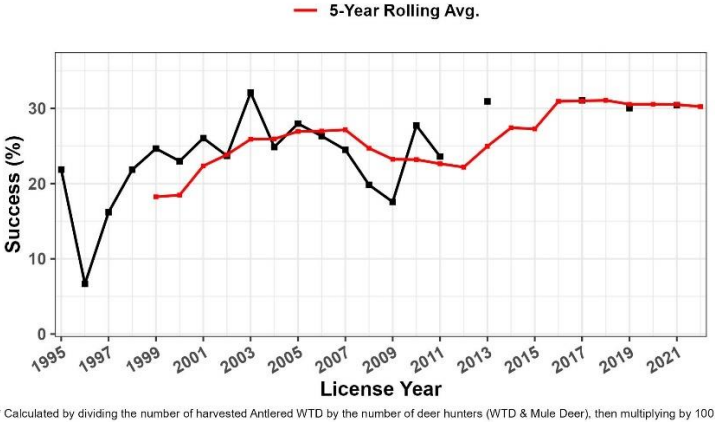
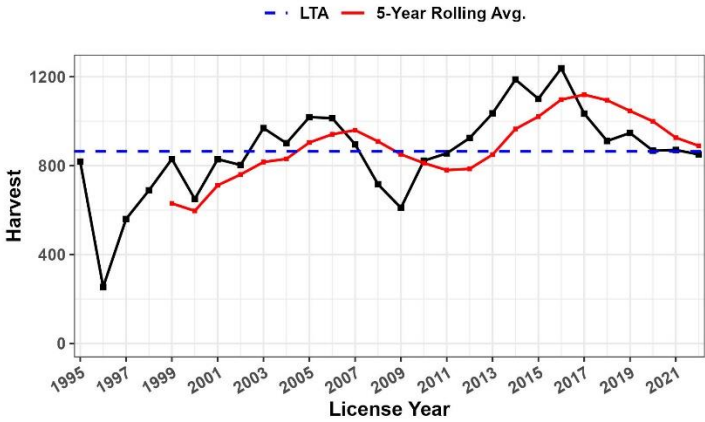
HD 101 EUREKA



Antlered Harvest			
Square Miles	806	LTA (1995 – 2022)	851
Harvest 2022	851	5-Year Average (2018 – 2022)	889
Harvest/mi ² 2022	1.06	5-Year Harvest Success (2018 – 2022)	30%
5-Year Harvest Trend	Decreasing	5-Year Harvest Success Trend	Decreasing

HD 101 Antlered White-tailed Deer Harvest

HD 101 Buck Harvest Success*



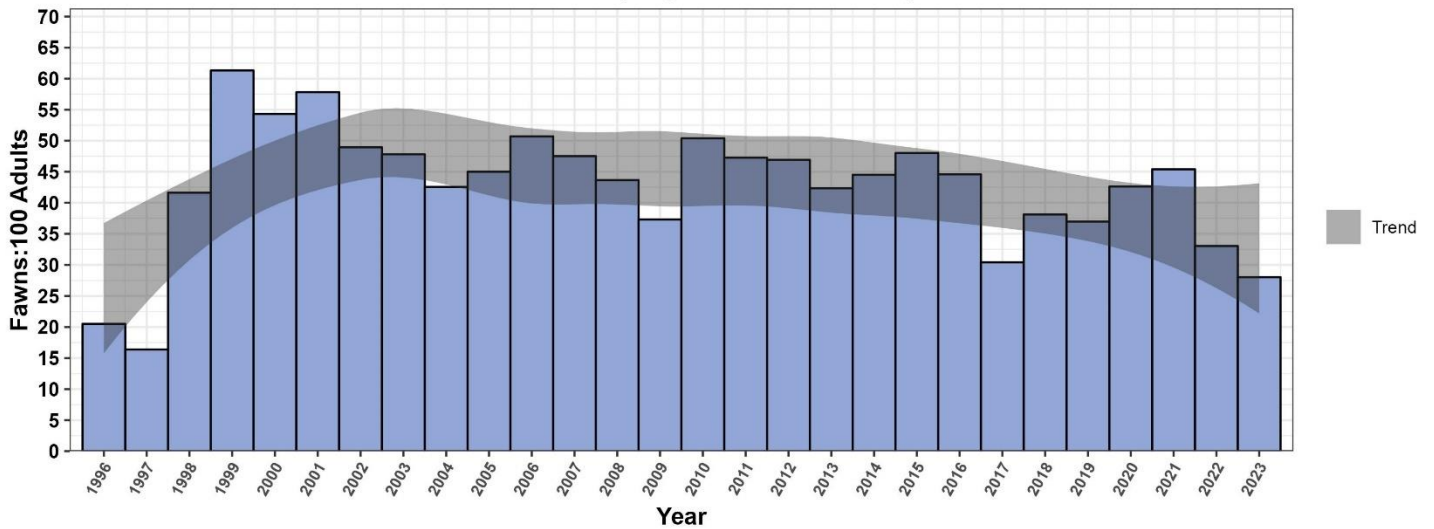
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 101 White-tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	818	230	1048	NA	2005	1018	656	1680	64	2015	1101	307	1408	55
1996	254	573	1427	NA	2006	1014	971	1994	62	2016	1238	371	1609	54
1997	560	191	751	NA	2007	896	1007	1903	68	2017	1034	264	1298	53
1998	689	104	794	NA	2008	716	741	1457	67	2018	911	273	1184	53
1999	830	256	1093	NA	2009	610	228	839	66	2019	947	228	1175	58
2000	650	278	928	NA	2010	822	97	920	55	2020	868	285	1152	58
2001	829	494	1322	NA	2011	855	118	973	51	2021	870	263	1134	68
2002	803	339	1143	NA	2012	924	74	999	47	2022	851	275	1126	58
2003	969	336	1304	NA	2013	1035	79	1114	51					
2004	901	503	1404	61	2014	1187	138	1325	52					



HD 101 WTD Spring Recruitment Survey



HD 101 Spring White-tailed Deer Surveys (1996 – 2023)											
Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1996	78	16	28	122	21	2010	736	371	712	1819	50
1997	244	40	2	286	16	2011	698	330	745	1773	47
1998	341	142	393	876	42	2012	535	251	430	1216	47
1999	367	225	114	706	61	2013	588	249	272	1109	42
2000	359	195	244	798	54	2014	692	308	470	1470	45
2001	441	255	328	1024	58	2015	735	353	168	1256	48
2002	376	184	0	560	49	2016	379	169	165	713	45
2003	207	99	486	792	48	2017	480	146	436	1052	30
2004	235	100	152	487	43	2018	286	109	16	411	38
2005	380	171	188	739	45	2019	538	199	18	755	37
2006	359	182	529	1070	51	2020	577	246	6	829	43
2007	564	268	252	1084	48	2021	1024	465	45	1303	45
2008	442	193	351	986	44	2022	962	318	42	1322	33
2009	635	237	916	1788	37	2023	1099	308	38	1445	28

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.



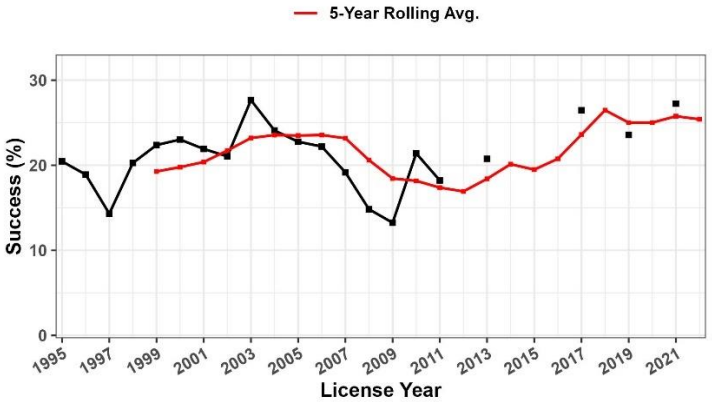
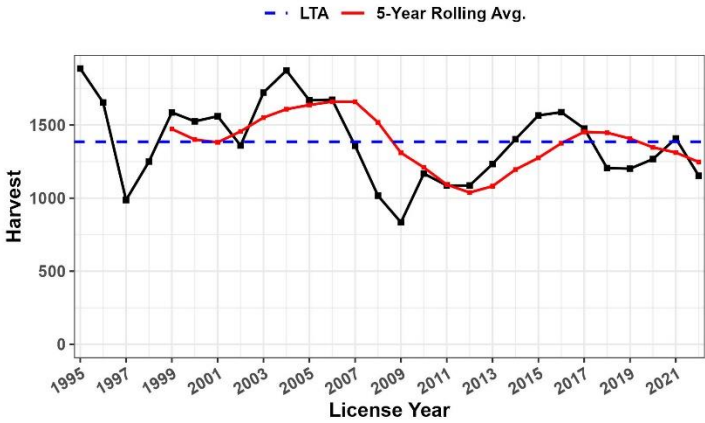
HD 103 SALISH



Antlered Harvest			
Square Miles	1448	LTA (1995 – 2022)	1413
Harvest 2022	1154	5-Year Average (2018 – 2022)	1247
Harvest/mi ² 2022	0.8	5-Year Harvest Success (2018 – 2022)	25%
5-Year Harvest Trend	Decreasing	5-Year Harvest Success Trend	Decreasing

HD 103 Antlered White-tailed Deer Harvest

HD 103 Buck Harvest Success*

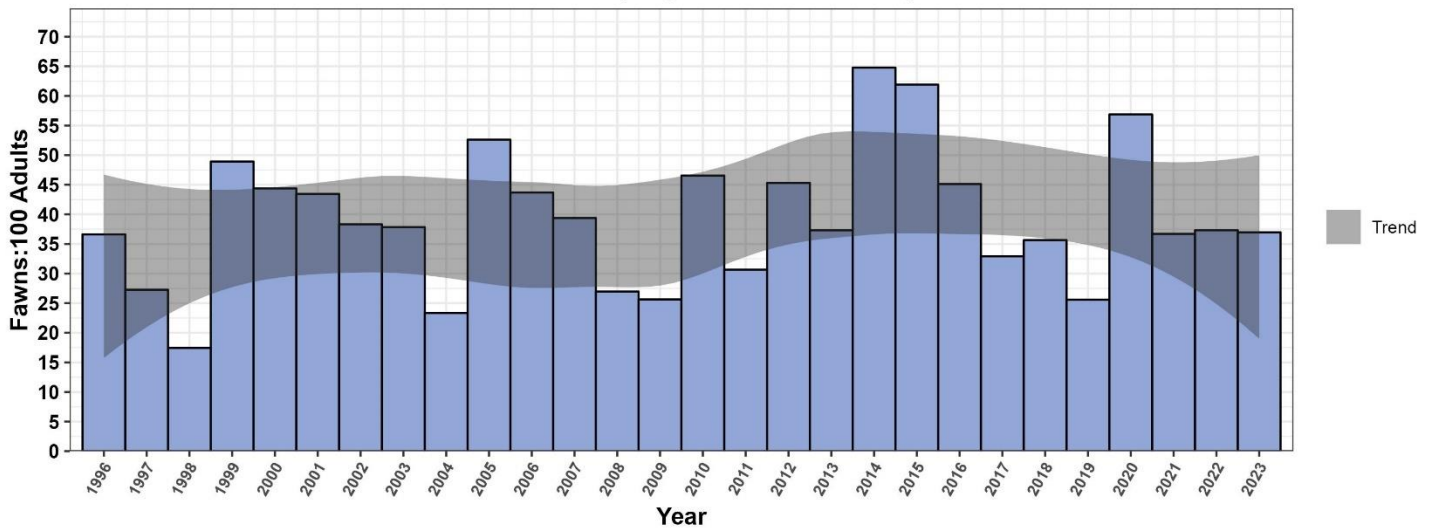


* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 103 White-tailed Deer Harvest (1995 – 2022)														
Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	1886	1368	3254	NA	2005	1669	1017	2688	62	2015	1566	293	1859	58
1996	1654	2185	3839	NA	2006	1673	1171	2858	62	2016	1588	547	2134	57
1997	987	298	1285	NA	2007	1358	1074	2431	67	2017	1476	392	1867	56
1998	1250	18	1268	NA	2008	1016	748	1764	67	2018	1205	371	1577	61
1999	1586	11	1597	NA	2009	834	297	1132	62	2019	1201	187	1388	66
2000	1525	16	1541	NA	2010	1168	170	1338	65	2020	1267	414	1681	62
2001	1560	708	2268	NA	2011	1087	206	1293	61	2021	1408	378	1786	66
2002	1360	399	1759	NA	2012	1086	96	1182	55	2022	1154	421	1574	59
2003	1722	525	2247	NA	2013	1233	85	1318	56					
2004	1873	950	2822	62	2014	1403	148	1551	53					



HD 103 WTD Spring Recruitment Survey



HD 103 Spring White-tailed Deer Surveys (1996 – 2023)											
Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1996	101	37	10	148	37	2010	58	27	7	92	47
1997	198	54	224	476	27	2011	212	65	3	280	31
1998	195	34	0	229	17	2012	64	29	3	96	45
1999	139	68	0	207	49	2013	402	150	141	693	37
2000	196	87	28	311	44	2014	309	196	31	536	63
2001	191	83	106	380	43	2015	84	52	9	145	62
2002	261	100	0	361	38	2016	195	88	4	287	45
2003	370	140	64	574	38	2017	316	104	19	439	33
2004	287	67	87	441	23	2018	101	36	0	137	36
2005	384	202	121	707	53	2019	348	89	14	451	26
2006	222	97	0	319	44	2020	160	91	0	251	57
2007	259	102	81	442	39	2021	248	91	4	343	37
2008	293	79	5	377	27	2022	351	131	13	495	37
2009	386	99	7	492	26	2023	330	122	13	464	37

*Total count data should not be compared over time due to the vast changes in survey specifics (i.e., length, number per HD, and location).

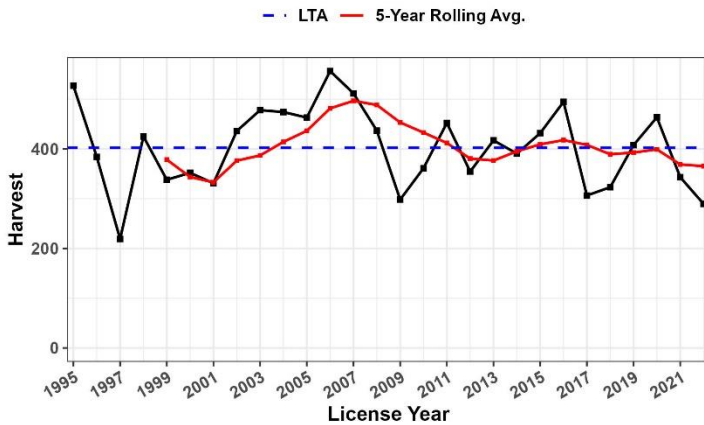


HD 104 CABINETS

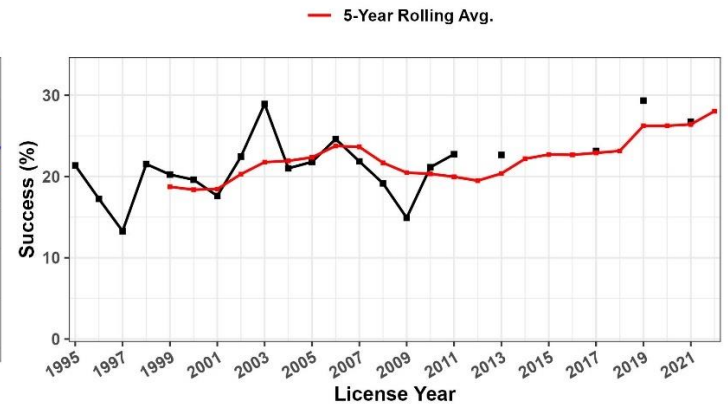


Antlered Harvest			
Square Miles	358	LTA (1995 – 2022)	415
Harvest 2022	290	5-Year Average (2018 – 2022)	365
Harvest/mi ² 2022	0.81	5-Year Harvest Success (2018 – 2022)	28%
5-Year Harvest Trend	Decreasing	5-Year Harvest Success Trend	Increasing

HD 104 Antlered White-tailed Deer Harvest



HD 104 Buck Harvest Success*



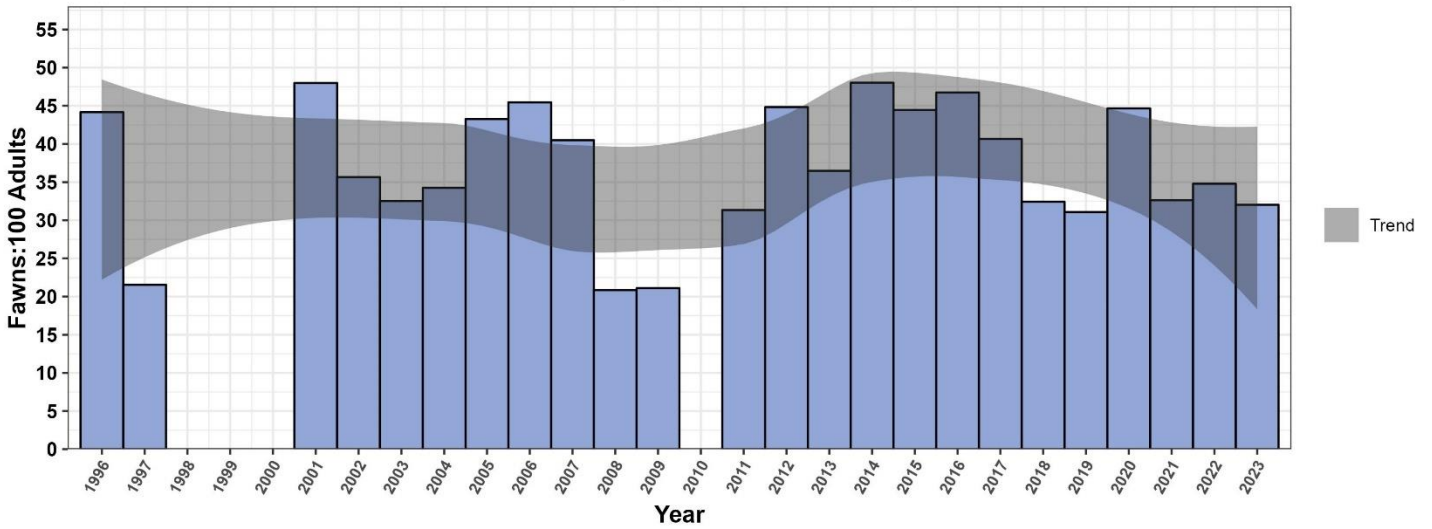
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100

HD 104 White-tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	527	392	919	NA	2005	463	339	802	56	2015	432	40	472	58
1996	384	346	730	NA	2006	556	419	978	65	2016	495	197	692	61
1997	219	45	264	NA	2007	512	433	944	54	2017	306	113	420	56
1998	425	9	434	NA	2008	437	279	716	65	2018	323	132	456	58
1999	338	3	341	NA	2009	298	98	396	67	2019	408	89	496	69
2000	352	0	352	NA	2010	361	62	423	69	2020	464	214	678	58
2001	331	177	508	NA	2011	452	66	518	56	2021	343	121	464	66
2002	436	118	554	NA	2012	354	34	388	57	2022	290	190	480	46
2003	478	133	611	NA	2013	417	31	448	57					
2004	474	290	764	62	2014	391	31	422	58					



HD 104 WTD Spring Recruitment Survey



HD 104 Spring White-tailed Deer Surveys (1996 – 2023)

Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1996	120	53	40	213	44	2010	NA	NA	NA	NA	NA
1997	246	53	0	299	22	2011	201	63	2	266	31
1998	NA	NA	NA	NA	NA	2012	146	65	7	218	45
1999	NA	NA	NA	NA	NA	2013	340	124	0	464	36
2000	NA	NA	NA	NA	NA	2014	152	73	9	234	48
2001	75	36	0	111	48	2015	324	144	17	485	44
2002	115	41	0	156	36	2016	400	187	29	616	47
2003	246	80	91	417	33	2017	246	100	17	363	41
2004	219	75	0	294	34	2018	NA	NA	NA	NA	NA
2005	104	45	0	149	43	2019	341	106	25	472	31
2006	308	140	0	448	45	2020	347	155	25	527	45
2007	163	66	0	229	40	2021	334	109	25	468	33
2008	187	39	0	226	21	2022	391	136	14	541	35
2009	308	65	0	373	21	2023	384	123	7	514	32

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.

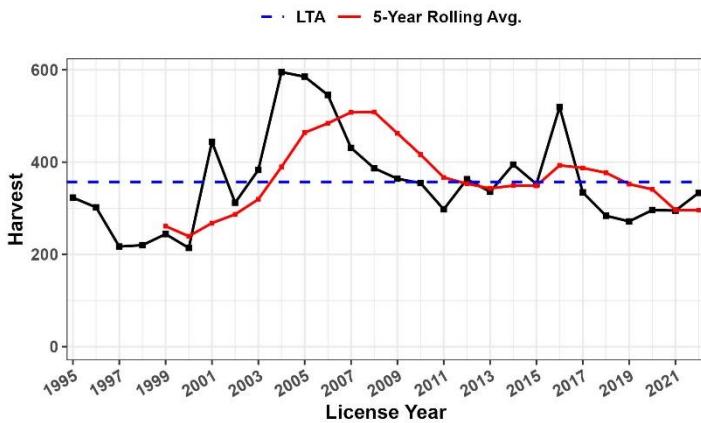


HD 110 WHITEFISH

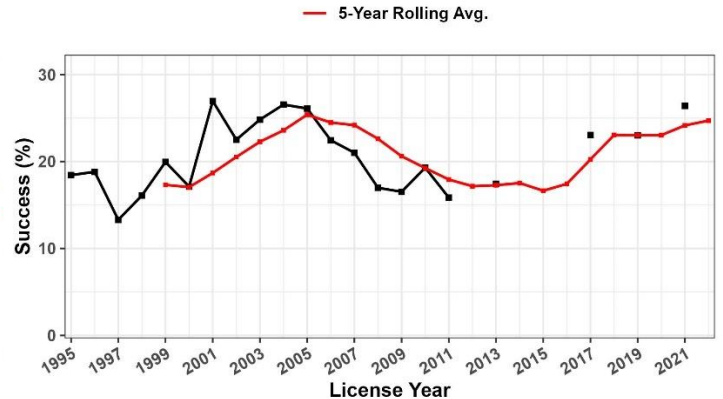


Antlered Harvest			
Square Miles	794	LTA (1995 – 2022)	372
Harvest 2022	333	5-Year Average (2018 – 2022)	296
Harvest/mi ² 2022	0.42	5-Year Harvest Success (2018 – 2022)	25%
5-Year Harvest Trend	Stable	5-Year Harvest Success Trend	Increasing

HD 110 Antlered White-tailed Deer Harvest



HD 110 Buck Harvest Success*



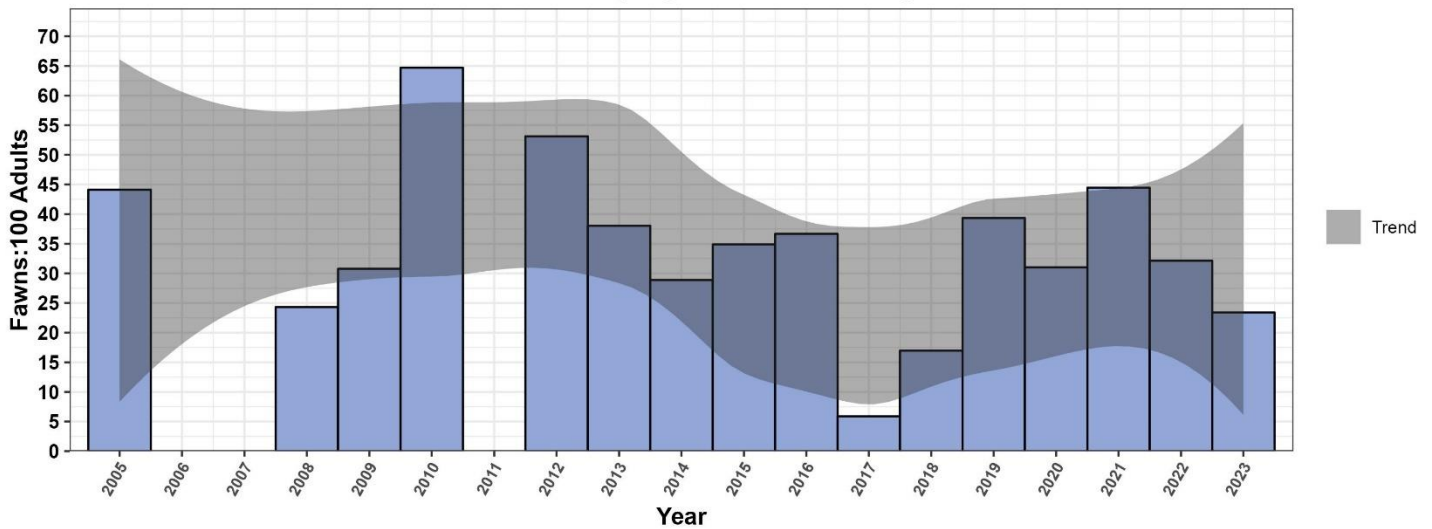
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 110 White-tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	323	92	415	NA	2005	585	169	754	65	2015	352	53	405	58
1996	302	195	497	NA	2006	545	274	823	66	2016	519	107	627	51
1997	217	33	250	NA	2007	431	124	555	59	2017	334	62	396	59
1998	220	0	220	NA	2008	387	144	531	69	2018	284	47	331	65
1999	244	3	247	NA	2009	364	93	457	66	2019	272	31	303	57
2000	214	5	219	NA	2010	354	60	415	70	2020	296	21	317	67
2001	444	125	569	NA	2011	298	21	319	58	2021	295	20	315	65
2002	312	55	367	NA	2012	363	28	391	55	2022	333	74	408	69
2003	383	107	490	NA	2013	336	31	367	58					
2004	595	160	755	67	2014	395	54	449	60					



HD 110 WTD Spring Recruitment Survey



HD 110 Spring White-tailed Deer Surveys (2005 – 2023)											
Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
2005	68	30	19	117	44	2015	43	15	22	80	35
2006	NA	NA	NA	NA	NA	2016	30	11	11	52	37
2007	NA	NA	NA	NA	NA	2017	51	3	0	54	6
2008	37	9	0	46	24	2018	53	9	0	62	17
2009	65	20	15	100	31	2019	61	24	6	91	39
2010	17	11	0	28	65	2020	29	9	0	38	31
2011	NA	NA	NA	NA	NA	2021	45	20	0	65	44
2012	32	17	0	49	53	2022	84	27	0	111	32
2013	92	35	14	141	38	2023	NA	NA	NA	NA	23
2014	45	13	0	58	29						

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.

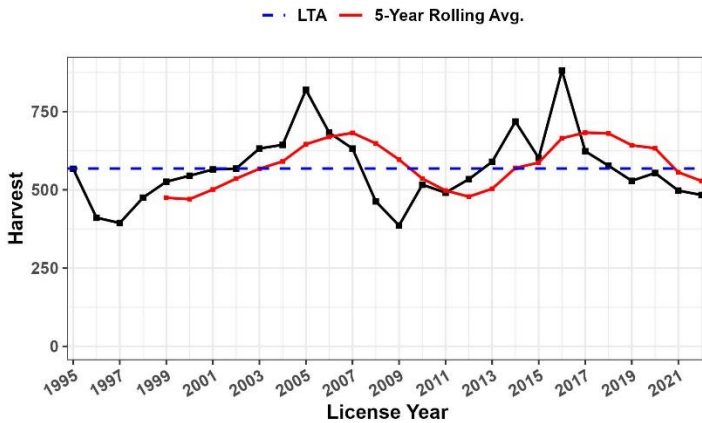


HD 120 BLACKTAIL

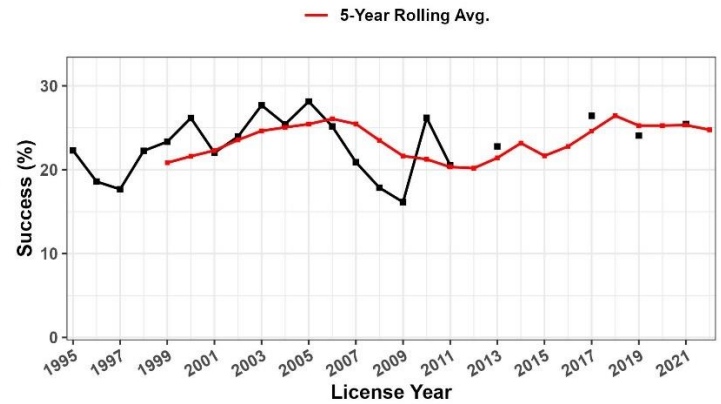


Antlered Harvest			
Square Miles	493	LTA (1995 – 2022)	575
Harvest 2022	484	5-Year Average (2018 – 2022)	528
Harvest/mi ² 2022	0.98	5-Year Harvest Success (2018 – 2022)	25%
5-Year Harvest	Decreasing	5-Year Harvest Success Trend	Decreasing

HD 120 Antlered White-tailed Deer Harvest



HD 120 Buck Harvest Success*



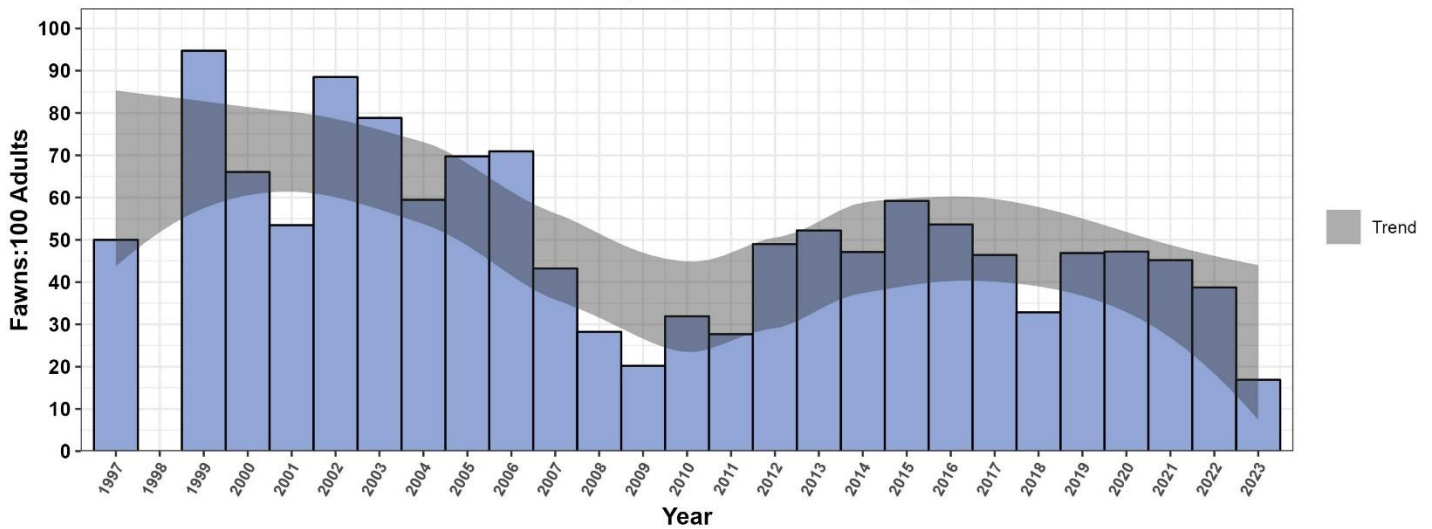
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 120 White-tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	567	207	774	NA	2005	820	471	1298	63	2015	602	208	809	58
1996	411	347	758	NA	2006	682	460	1150	62	2016	881	326	1207	58
1997	394	118	512	NA	2007	632	556	1188	67	2017	623	262	885	61
1998	475	3	478	NA	2008	463	380	843	69	2018	577	194	771	62
1999	526	9	535	NA	2009	386	142	528	63	2019	529	132	660	65
2000	545	3	548	NA	2010	516	47	564	68	2020	554	186	740	65
2001	565	393	958	NA	2011	491	54	545	54	2021	498	122	620	60
2002	568	204	772	NA	2012	534	64	598	55	2022	484	178	662	60
2003	632	211	843	NA	2013	590	52	642	54					
2004	644	376	1020	58	2014	718	113	830	56					



HD 120 WTD Spring Recruitment Survey



HD 120 Spring White-tailed Deer Surveys (1997 – 2023)

Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1997	52	26	0	78	50	2011	271	75	0	346	28
1998	NA	NA	NA	NA	NA	2012	149	73	0	222	49
1999	38	36	0	74	95	2013	228	119	0	347	52
2000	53	35	0	88	66	2014	363	171	16	550	47
2001	58	31	14	103	53	2015	125	74	69	268	59
2002	87	77	0	164	89	2016	179	96	42	317	54
2003	52	41	5	98	79	2017	181	84	55	320	46
2004	74	44	9	127	59	2018	286	94	22	402	33
2005	162	113	27	302	70	2019	175	82	38	295	47
2006	86	61	9	156	71	2020	286	135	17	438	47
2007	481	208	69	758	43	2021	270	122	26	392	45
2008	163	46	0	209	28	2022	413	160	10	583	39
2009	208	42	0	250	20	2023	308	52	10	370	17
2010	260	83	0	343	32						

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.

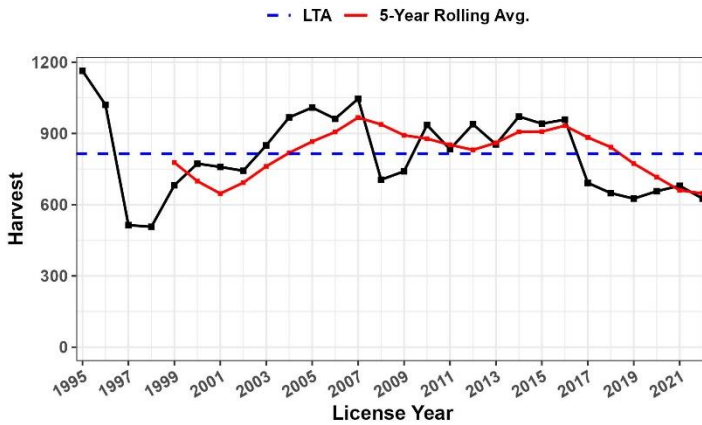


HD 121 WEST CLARK FORK

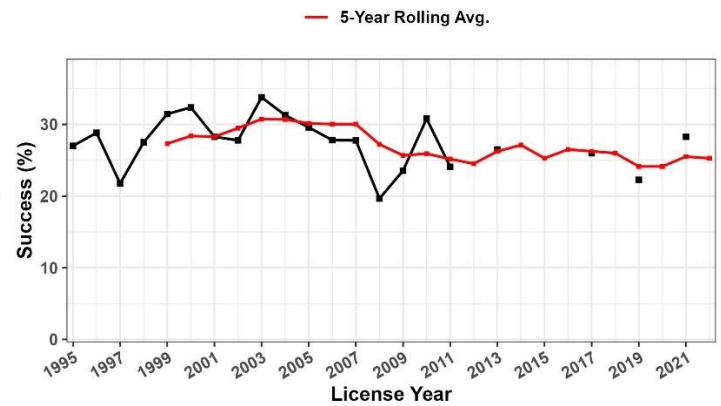


Antlered Harvest			
Square Miles	976	LTA (1995 – 2022)	858
Harvest 2022	626	5-Year Average (2018 – 2022)	647
Harvest/mi ² 2022	0.64	5-Year Harvest Success (2018 – 2022)	25%
5-Year Harvest Trend	Decreasing	5-Year Harvest Success Trend	Decreasing

HD 121 Antlered White-tailed Deer Harvest



HD 121 Buck Harvest Success*



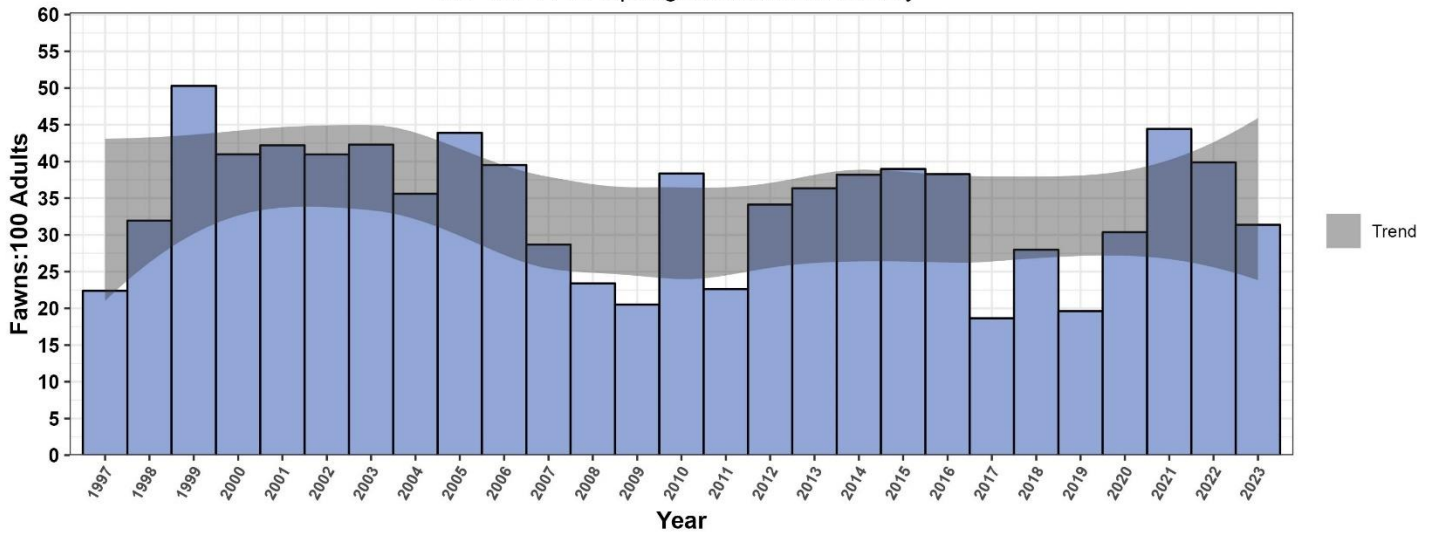
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 121 White-tailed Deer Harvest (1995 – 2022)

HD 121 White-tailed Deer Harvest (1995 – 2022)														
Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	1164	775	1939	NA	2005	1009	503	1514	60	2015	941	235	1176	59
1996	1021	1089	2110	NA	2006	962	645	1618	71	2016	958	434	1392	60
1997	514	115	629	NA	2007	1046	655	1702	66	2017	692	332	1024	61
1998	507	6	513	NA	2008	705	571	1276	65	2018	649	208	857	55
1999	682	5	687	NA	2009	741	163	903	74	2019	626	205	831	59
2000	773	35	808	NA	2010	936	107	1043	68	2020	657	114	771	67
2001	759	303	1062	NA	2011	834	120	953	58	2021	680	73	753	68
2002	743	249	992	NA	2012	939	144	1083	58	2022	626	116	742	56
2003	850	383	1233	NA	2013	854	197	1051	55					
2004	968	393	1367	66	2014	972	169	1140	56					



HD 121 WTD Spring Recruitment Survey



HD 121 Spring White-tailed Deer Surveys (1997 – 2023)											
Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1997	134	30	122	286	22	2011	787	178	70	937	23
1998	119	38	33	190	32	2012	NA	NA	NA	NA	34
1999	334	168	154	656	50	2013	872	317	50	1239	36
2000	493	202	110	805	41	2014	NA	NA	NA	NA	38
2001	526	222	191	916	42	2015	NA	NA	NA	NA	39
2002	486	199	167	852	41	2016	849	325	78	1252	38
2003	331	140	122	593	42	2017	1147	214	80	1363	19
2004	455	162	382	999	36	2018	654	183	104	941	28
2005	205	90	117	412	44	2019	897	176	50	1037	20
2006	NA	NA	NA	NA	40	2020	675	205	94	974	30
2007	481	138	272	858	29	2021	556	247	54	857	44
2008	637	149	145	832	23	2022	850	339	90	1270	40
2009	658	135	99	892	21	2023	1068	335	61	1464	31
2010	584	224	60	868	38						

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.

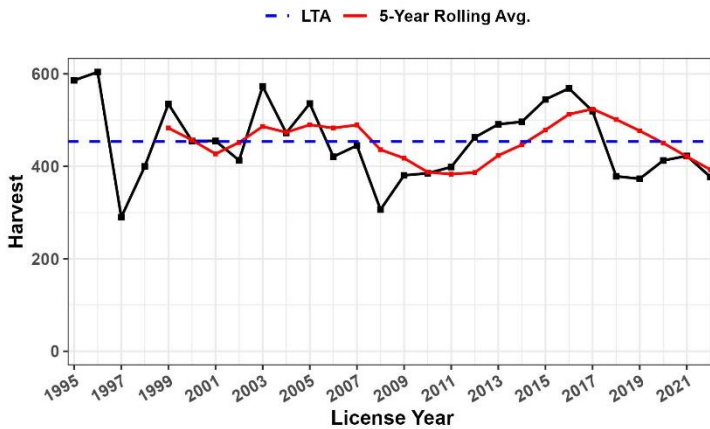


HD 122 THOMPSON RIVER

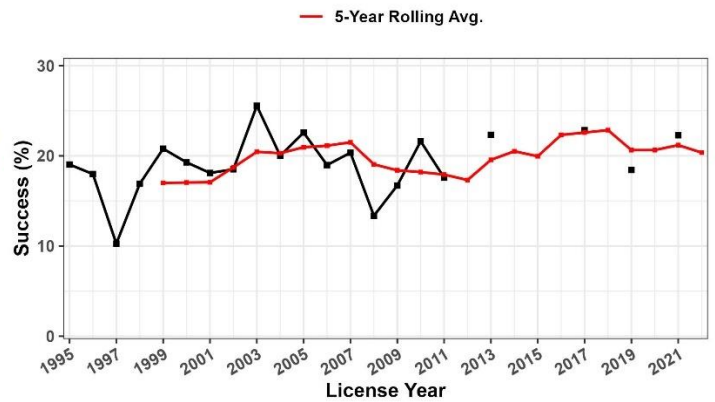


Antlered Harvest			
Square Miles	713	LTA (1995 – 2022)	464
Harvest 2022	377	5-Year Average (2018 – 2022)	393
Harvest/mi ² 2022	0.53	5-Year Harvest Success (2018 – 2022)	20%
5-Year Harvest Trend	Decreasing	5-Year Harvest Success Trend	Decreasing

HD 122 Antlered White-tailed Deer Harvest



HD 122 Buck Harvest Success*



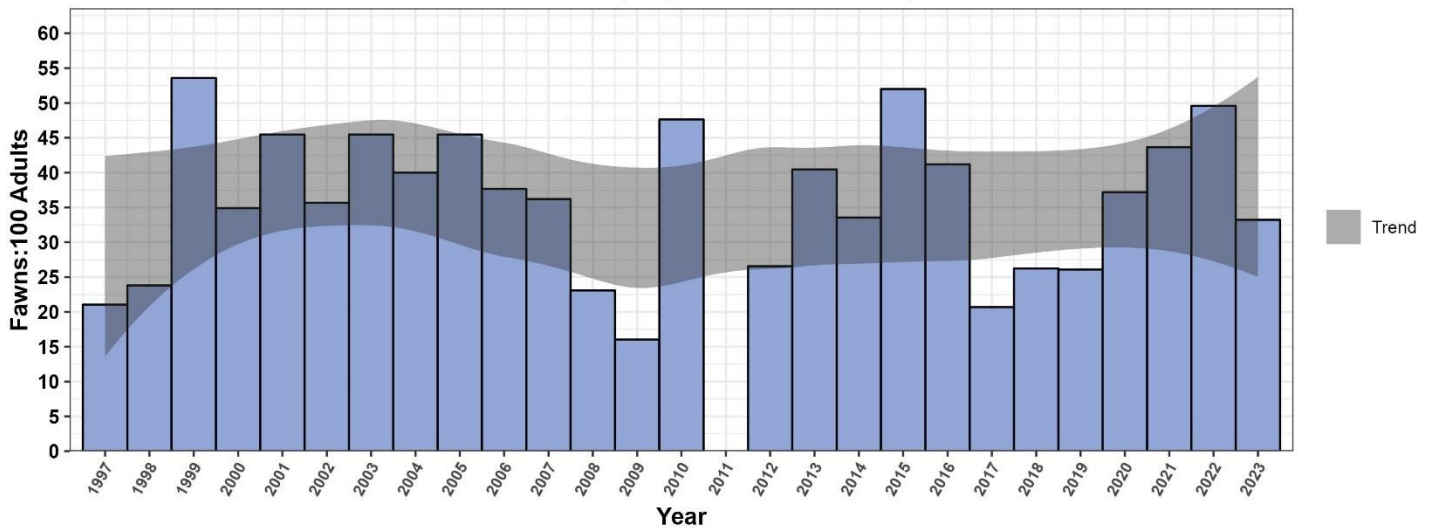
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 122 White-tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt
1995	586	240	826	NA
1996	604	601	1205	NA
1997	290	74	364	NA
1998	400	12	412	NA
1999	535	7	542	NA
2000	455	12	467	NA
2001	455	217	672	NA
2002	413	106	519	NA
2003	573	157	730	NA
2004	472	170	642	69
2005	536	212	747	54
2006	421	188	622	60
2007	445	172	617	68
2008	306	100	406	67
2009	381	98	479	62
2010	385	32	417	60
2011	399	68	467	52
2012	463	63	526	54
2013	491	34	525	53
2014	496	215	712	51
2015	545	281	826	61
2016	569	318	887	60
2017	519	226	746	57
2018	378	133	512	54
2019	373	93	466	50
2020	413	87	500	60
2021	422	56	478	69
2022	377	126	504	61



HD 122 WTD Spring Recruitment Survey



HD 122 Spring White-tailed Deer Surveys (1997 – 2023)

Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1997	38	8	0	46	21	2011	NA	NA	NA	NA	NA
1998	42	10	22	74	24	2012	128	34	8	170	27
1999	56	30	5	91	54	2013	89	36	2	127	40
2000	43	15	8	66	35	2014	164	55	17	236	34
2001	33	15	8	56	45	2015	NA	NA	NA	NA	52
2002	115	41	27	183	36	2016	51	21	14	86	41
2003	44	20	21	85	45	2017	NA	NA	NA	NA	21
2004	40	16	15	71	40	2018	80	21	5	106	26
2005	NA	NA	NA	NA	45	2019	69	18	8	95	26
2006	85	32	17	134	38	2020	78	29	8	115	37
2007	58	21	11	90	36	2021	330	144	72	546	44
2008	78	18	5	101	23	2022	351	174	31	556	50
2009	131	21	8	160	16	2023	527	175	55	757	33
2010	63	30	16	109	48						

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.

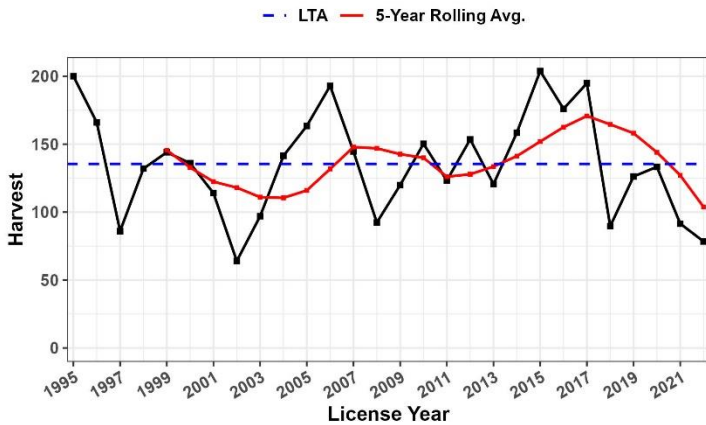


HD 123 CLARK MOUNTAIN

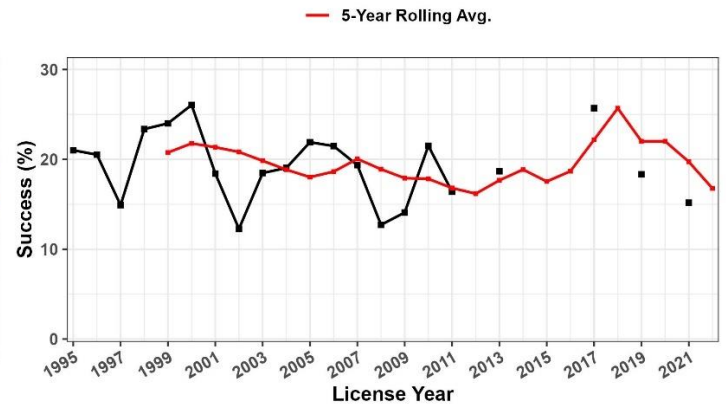


Antlered Harvest			
Square Miles	254	LTA (1995 – 2022)	140
Harvest 2022	78	5-Year Average (2018 – 2022)	104
Harvest/mi ² 2022	0.31	5-Year Harvest Success (2018 – 2022)	17%
5-Year Harvest	Decreasing	5-Year Harvest Success Trend	Decreasing

HD 123 Antlered White-tailed Deer Harvest



HD 123 Buck Harvest Success*



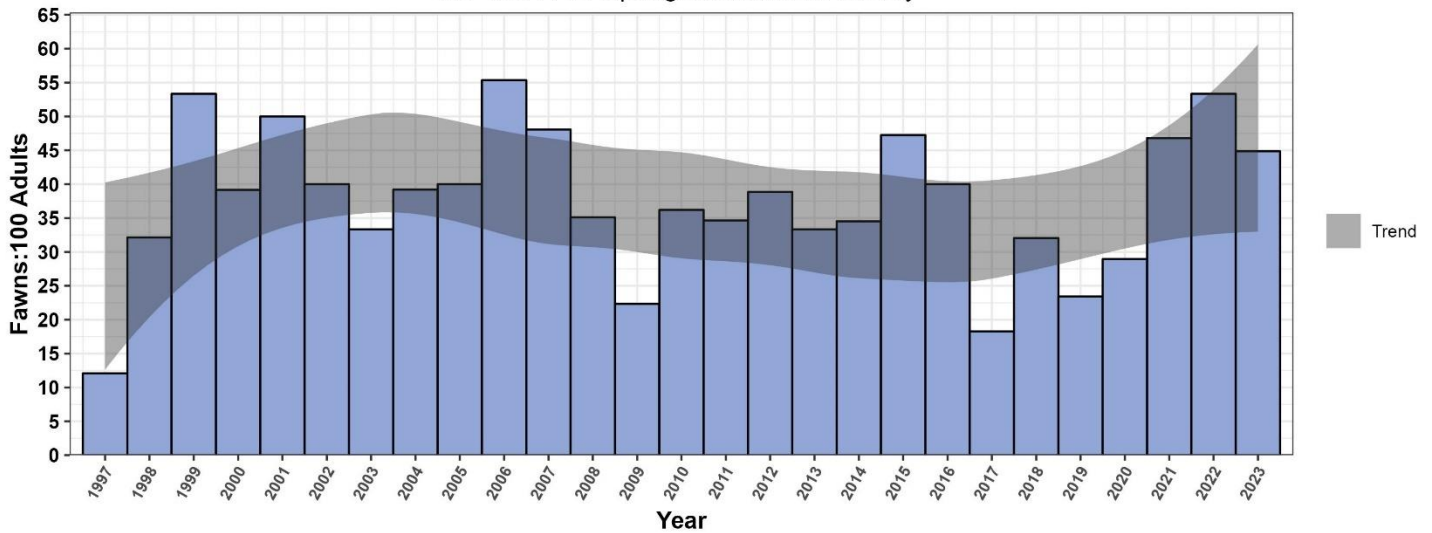
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 123 White-tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	200	71	271	NA	2005	163	67	232	85	2015	204	17	221	59
1996	166	104	270	NA	2006	193	109	302	65	2016	176	59	235	61
1997	86	20	106	NA	2007	145	100	245	70	2017	195	50	244	60
1998	132	0	132	NA	2008	92	67	160	74	2018	90	30	120	55
1999	144	0	144	NA	2009	120	22	142	56	2019	126	22	148	61
2000	136	0	136	NA	2010	150	27	178	57	2020	133	28	161	60
2001	114	64	178	NA	2011	123	16	139	61	2021	92	15	106	65
2002	64	40	104	NA	2012	154	17	170	63	2022	78	18	96	59
2003	97	48	145	NA	2013	121	3	124	65					
2004	141	57	200	61	2014	158	6	164	59					



HD 123 WTD Spring Recruitment Survey



HD 123 Spring White-tailed Deer Surveys (1997 – 2023)											
Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1997	149	18	41	208	12	2011	153	53	10	216	35
1998	84	27	32	143	32	2012	139	54	16	209	39
1999	90	48	22	160	53	2013	93	31	8	132	33
2000	166	65	9	240	39	2014	139	48	7	194	35
2001	100	50	57	217	50	2015	91	43	7	141	47
2002	135	54	16	205	40	2016	80	32	11	123	40
2003	48	16	22	86	33	2017	104	19	12	135	18
2004	125	49	22	196	39	2018	78	25	2	110	32
2005	NA	NA	NA	NA	40	2019	111	26	2	139	23
2006	56	31	17	104	55	2020	76	22	15	113	29
2007	104	50	76	230	48	2021	47	22	2	71	47
2008	188	66	15	269	35	2022	75	40	0	115	53
2009	206	46	7	259	22	2023	107	48	0	155	45
2010	163	59	6	228	36						

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.

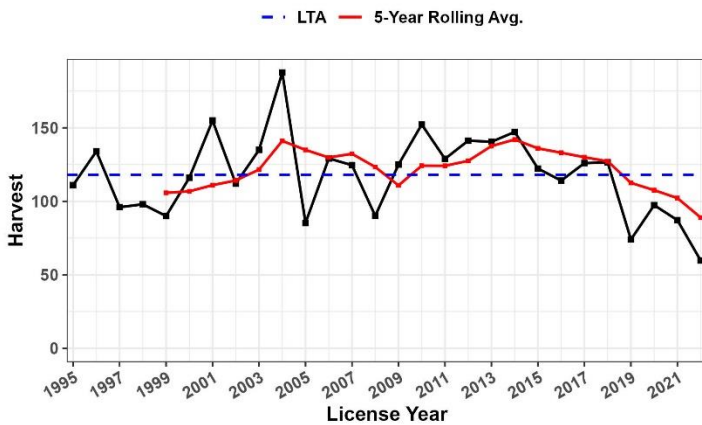


HD 124 ARVILLA

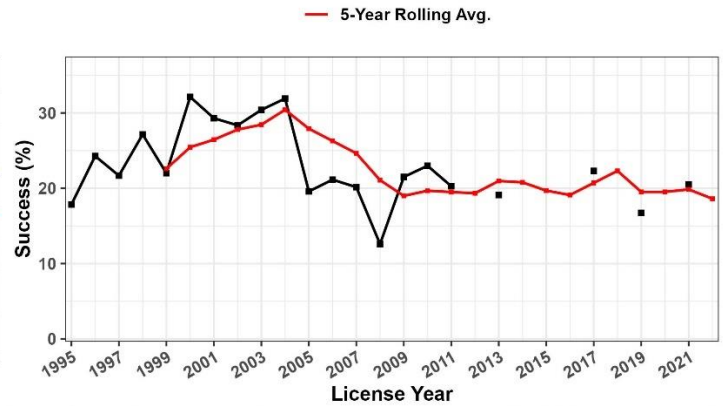


Antlered Harvest			
Square Miles	131	LTA (1995 – 2022)	124
Harvest 2022	60	5-Year Average (2018 – 2022)	89
Harvest/mi ² 2022	0.46	5-Year Harvest Success (2018 – 2022)	19%
5-Year Harvest Trend	Decreasing	5-Year Harvest Success Trend	Decreasing

HD 124 Antlered White-tailed Deer Harvest



HD 124 Buck Harvest Success*



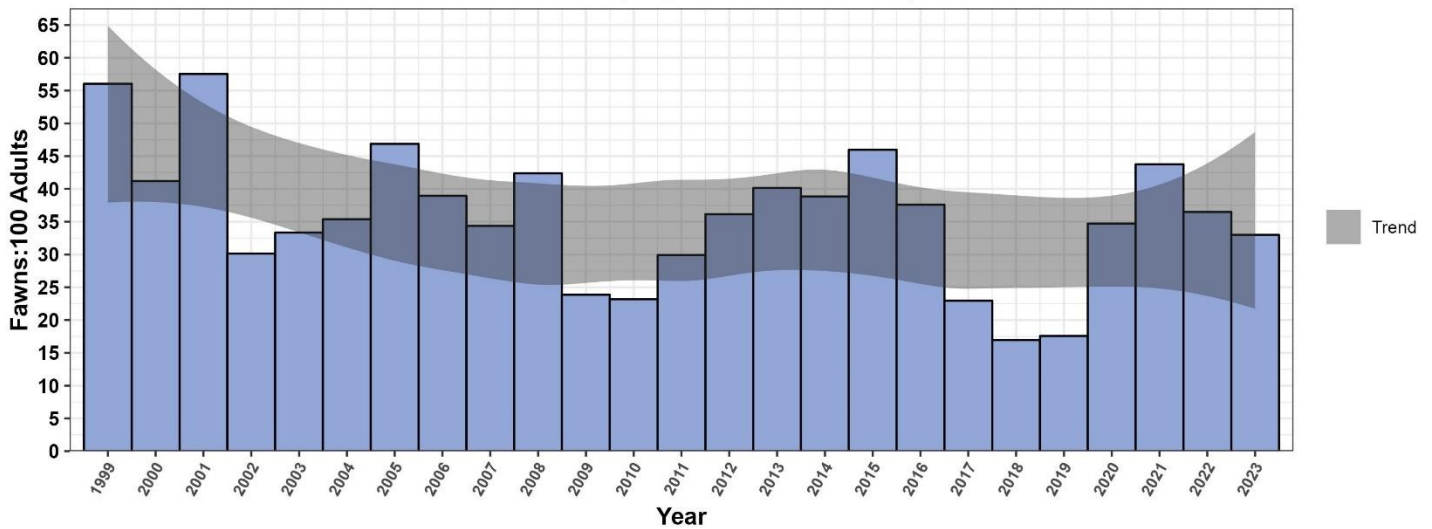
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 124 White-tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	111	117	228	NA	2005	85	96	182	48	2015	122	78	201	65
1996	134	89	223	NA	2006	129	114	247	40	2016	114	102	216	60
1997	96	26	122	NA	2007	125	122	247	67	2017	126	63	189	65
1998	98	0	98	NA	2008	90	95	185	48	2018	126	29	155	68
1999	90	1	91	NA	2009	125	63	188	62	2019	74	31	105	64
2000	116	0	116	NA	2010	152	49	201	66	2020	97	22	119	65
2001	155	108	263	NA	2011	129	60	189	50	2021	87	12	99	55
2002	112	71	183	NA	2012	141	81	222	48	2022	60	27	86	61
2003	135	77	212	NA	2013	140	123	264	54					
2004	188	62	250	53	2014	147	100	248	56					



HD 124 WTD Spring Recruitment Survey



HD 124 Spring White-tailed Deer Surveys (1999 – 2023)											
Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1999	91	51	22	164	56	2012	130	47	19	196	36
2000	148	61	16	225	41	2013	142	57	0	199	40
2001	73	42	40	155	58	2014	121	47	14	182	39
2002	63	19	38	120	30	2015	87	40	24	151	46
2003	51	17	33	101	33	2016	133	50	15	198	38
2004	65	23	33	121	35	2017	122	28	5	155	23
2005	NA	NA	NA	NA	47	2018	112	19	32	163	17
2006	77	30	13	120	39	2019	74	13	2	89	18
2007	64	22	18	104	34	2020	144	50	24	218	35
2008	92	39	15	146	42	2021	176	77	12	265	44
2009	88	21	3	112	24	2022	326	119	13	458	37
2010	69	16	9	94	23	2022	291	96	8	395	33
2011	107	32	6	145	30	2023	130	47	19	196	36

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.



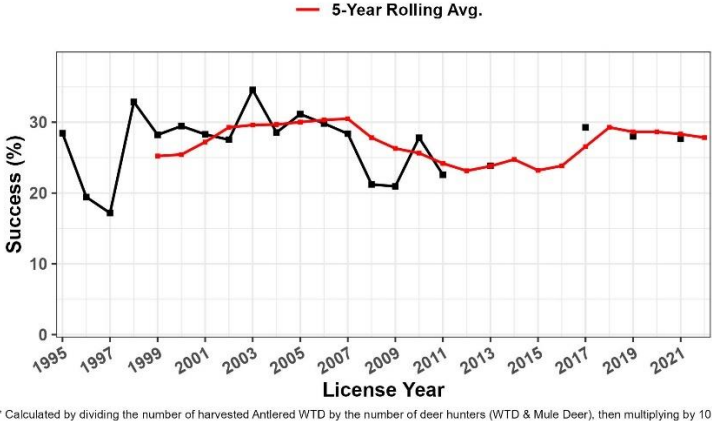
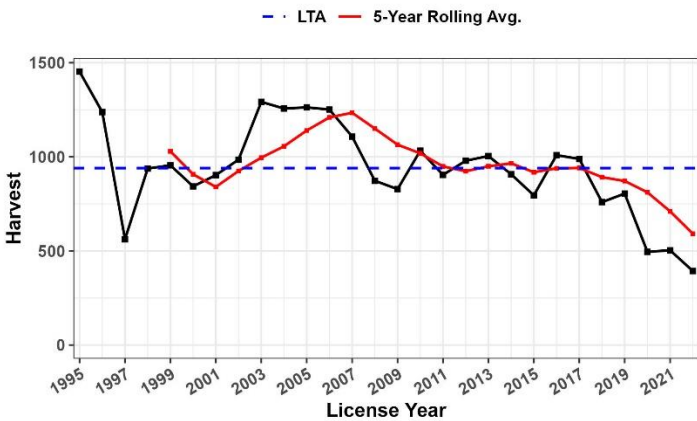
HD 130 SWAN



Antlered Harvest			
Square Miles	672	LTA (1995 – 2022)	1017
Harvest 2022	393	5-Year Average (2018 – 2022)	591
Harvest/mi ² 2022	0.58	5-Year Harvest Success (2018 – 2022)	28%
5-Year Harvest Trend	Decreasing	5-Year Harvest Success Trend	Decreasing

HD 130 Antlered White-tailed Deer Harvest

HD 130 Buck Harvest Success*



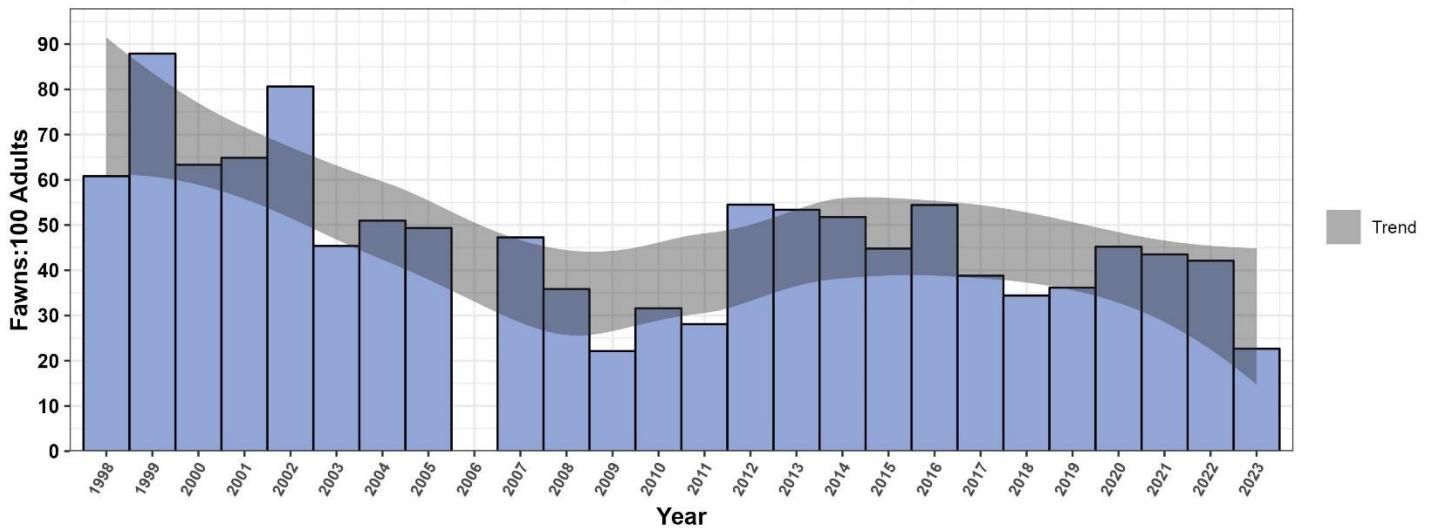
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 130 White-tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	1453	959	2412	NA	2005	1263	896	2160	70	2015	795	176	971	61
1996	1238	2418	3656	NA	2006	1251	920	2179	65	2016	1009	333	1342	60
1997	562	130	692	NA	2007	1108	822	1930	76	2017	989	306	1294	58
1998	938	6	944	NA	2008	873	598	1471	70	2018	759	276	1035	60
1999	955	11	966	NA	2009	828	268	1097	66	2019	805	173	978	60
2000	843	5	848	NA	2010	1033	199	1231	67	2020	496	62	557	65
2001	903	380	1283	NA	2011	904	185	1089	59	2021	503	47	550	56
2002	985	529	1514	NA	2012	979	188	1168	62	2022	393	129	522	60
2003	1292	507	1798	NA	2013	1004	186	1191	57					
2004	1257	762	2023	64	2014	908	179	1087	65					



HD 130 WTD Spring Recruitment Survey



HD 130 Spring White-tailed Deer Surveys (1998 – 2023)											
Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1998	380	231	64	675	61	2011	1570	441	19	2030	28
1999	413	363	69	845	88	2012	875	477	8	1360	55
2000	270	171	0	441	63	2013	1622	866	305	1217	53
2001	293	190	53	536	65	2014	1839	952	398	1247	52
2002	258	208	0	466	81	2015	737	330	192	1260	45
2003	575	261	52	888	45	2016	871	474	154	1498	54
2004	663	338	90	1091	51	2017	1139	442	75	1657	39
2005	774	382	84	1240	49	2018	1096	377	98	1571	34
2006	NA	NA	NA	NA	NA	2019	879	318	104	1307	36
2007	1157	547	95	1799	47	2020	396	179	18	593	45
2008	1013	363	13	1389	36	2021	432	188	21	620	44
2009	1284	284	118	1686	22	2022	520	219	24	763	42
2010	1314	415	5	1734	32	2023	437	99	15	551	23

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.



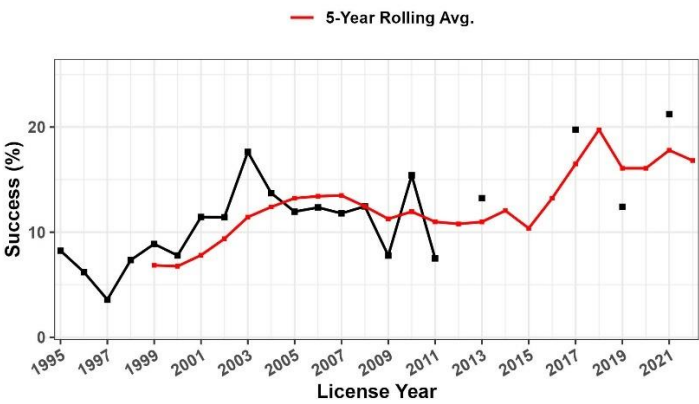
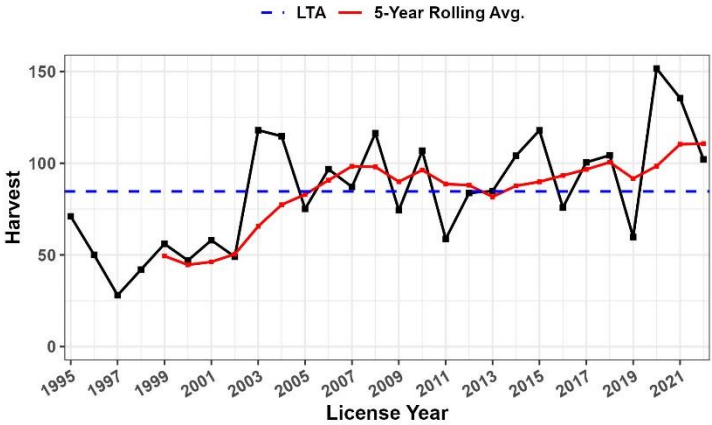
HD 140 LOWER SOUTH FORK



Antlered Harvest			
Square Miles	878	LTA (1995 – 2022)	78
Harvest 2022	102	5-Year Average (2018 – 2022)	111
Harvest/mi ² 2022	0.12	5-Year Harvest Success (2018 – 2022)	17%
5-Year Harvest Trend	Increasing	5-Year Harvest Success Trend	Decreasing

HD 140 Antlered White-tailed Deer Harvest

HD 140 Buck Harvest Success*



* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

No Survey Data Available														
HD 140 White-tailed Deer Harvest (1995 – 2022)														
Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	71	26	97	NA	2005	75	47	122	68	2015	118	12	129	63
1996	50	29	79	NA	2006	97	26	127	65	2016	76	12	88	64
1997	28	14	42	NA	2007	87	24	111	84	2017	100	18	118	56
1998	42	0	42	NA	2008	116	15	131	77	2018	104	3	108	82
1999	56	0	56	NA	2009	74	24	98	56	2019	60	0	60	78
2000	47	5	52	NA	2010	107	17	124	68	2020	152	7	158	69
2001	58	14	72	NA	2011	59	20	78	57	2021	136	16	152	70
2002	49	8	57	NA	2012	84	6	89	66	2022	102	3	105	51
2003	118	17	135	NA	2013	85	3	88	63					
2004	115	39	154	83	2014	104	6	110	54					



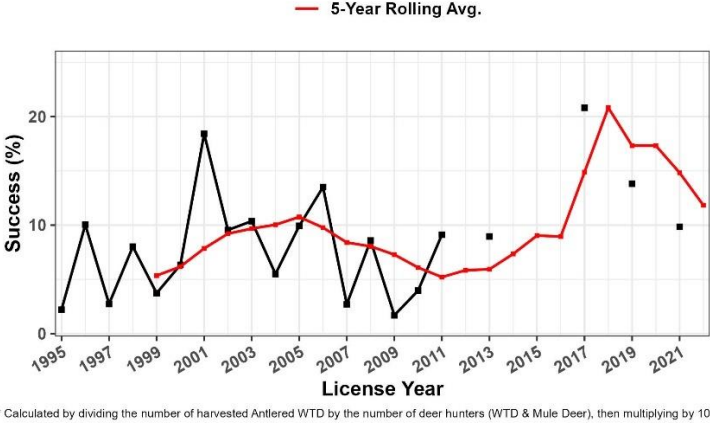
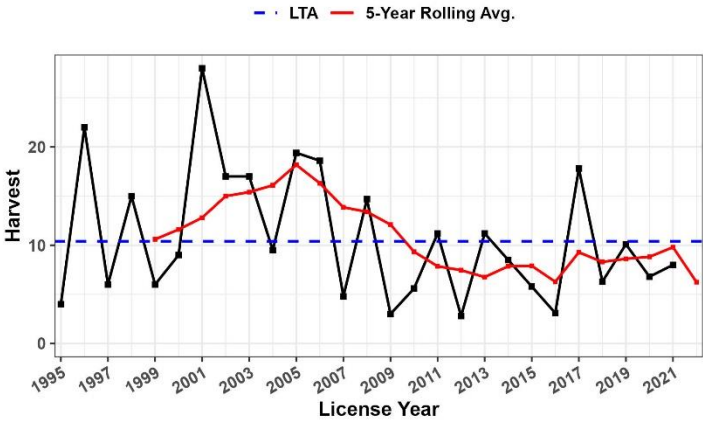
HD 141 LOWER MIDDLE FORK



Antlered Harvest			
Square Miles	339	LTA (1995 – 2022)	11
Harvest 2022	0	5-Year Average (2018 – 2022)	6
Harvest/mi ² 2022	0	5-Year Harvest Success (2018 – 2022)	12%
5-Year Harvest Trend	Decreasing	5-Year Harvest Success Trend	Decreasing

HD 141 Antlered White-tailed Deer Harvest

HD 141 Buck Harvest Success*



* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

No Survey Data Available

HD 141 White-Tailed Deer Harvest (1995 – 2022)														
Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	4	4	8	NA	2005	19	6	26	102	2015	6	0	6	48
1996	22	3	25	NA	2006	19	0	19	98	2016	3	0	3	103
1997	6	0	6	NA	2007	5	5	10	96	2017	18	6	24	66
1998	15	0	15	NA	2008	15	3	18	58	2018	6	3	10	53
1999	6	0	6	NA	2009	3	0	3	100	2019	10	0	10	68
2000	9	0	9	NA	2010	6	6	12	47	2020	7	0	7	49
2001	28	11	39	NA	2011	11	0	11	25	2021	8	0	8	50
2002	17	3	20	NA	2012	3	0	3	0	2022	0	3	3	NA
2003	17	3	20	NA	2013	11	0	11	51					
2004	10	2	12	37	2014	8	0	8	35					

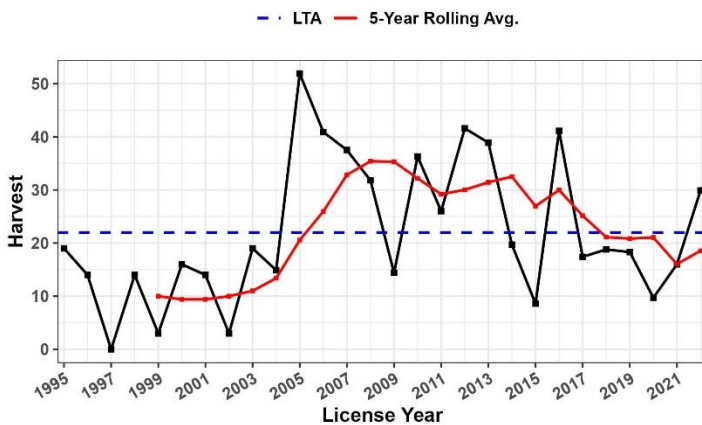


HD 150 UPPER SOUTH FORK

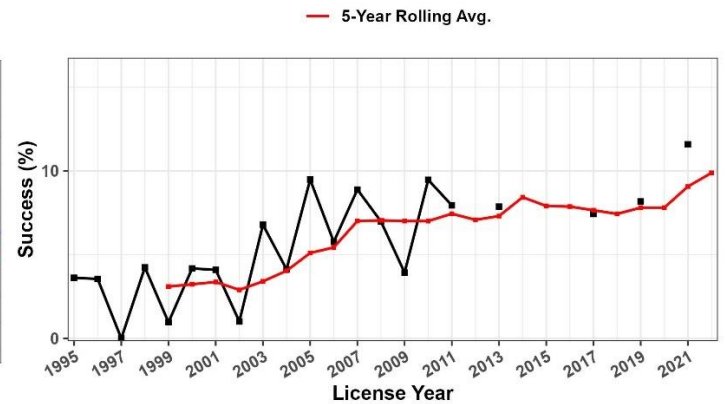


Antlered Harvest			
Square Miles	1169	LTA (1995 – 2022)	23
Harvest 2022	30	5-Year Average (2018 – 2022)	19
Harvest/mi ² 2022	0.03	5-Year Harvest Success (2018 – 2022)	10%
5-Year Harvest Trend	Increasing	5-Year Harvest Success Trend	Increasing

HD 150 Antlered White-tailed Deer Harvest



HD 150 Buck Harvest Success*



* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

No Survey Data Available

HD 150 White-tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt	Year	Antlered	Antlerless	Total	% >= 4pt
1995	19	4	23	NA	2005	52	2	54	59	2015	9	0	9	63
1996	14	7	21	NA	2006	41	15	56	73	2016	41	6	47	79
1997	0	3	3	NA	2007	38	5	42	99	2017	17	0	17	102
1998	14	0	14	NA	2008	32	15	47	73	2018	19	0	19	65
1999	3	0	3	NA	2009	14	0	14	81	2019	18	3	21	102
2000	16	0	16	NA	2010	36	0	36	93	2020	10	0	10	97
2001	14	0	14	NA	2011	26	3	29	47	2021	16	4	20	75
2002	3	0	3	NA	2012	42	0	42	86	2022	30	0	30	89
2003	19	3	22	NA	2013	39	6	44	64					
2004	15	4	19	99	2014	20	0	20	42					

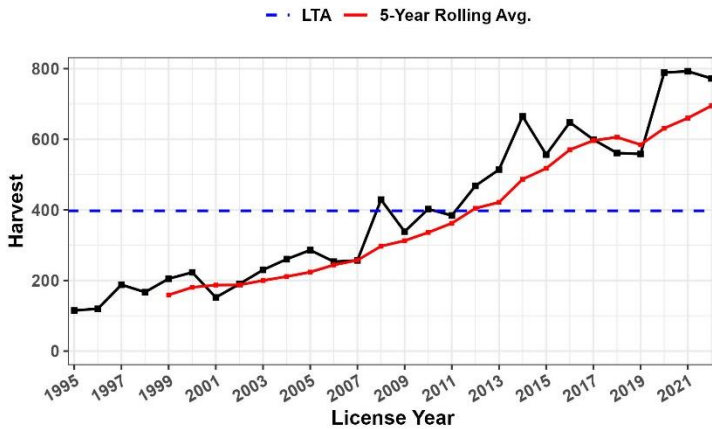


HD 170 FLATHEAD RIVER

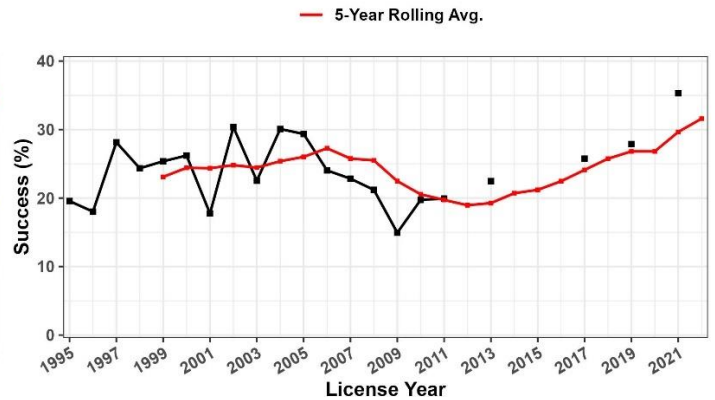


Antlered Harvest			
Square Miles	362	LTA (1995 – 2022)	321
Harvest 2022	772	5-Year Average (2018 – 2022)	695
Harvest/mi ² 2022	2.13	5-Year Harvest Success (2018 – 2022)	32%
5-Year Harvest Trend	Increasing	5-Year Harvest Success Trend	Increasing

HD 170 Antlered White-tailed Deer Harvest



HD 170 Buck Harvest Success*



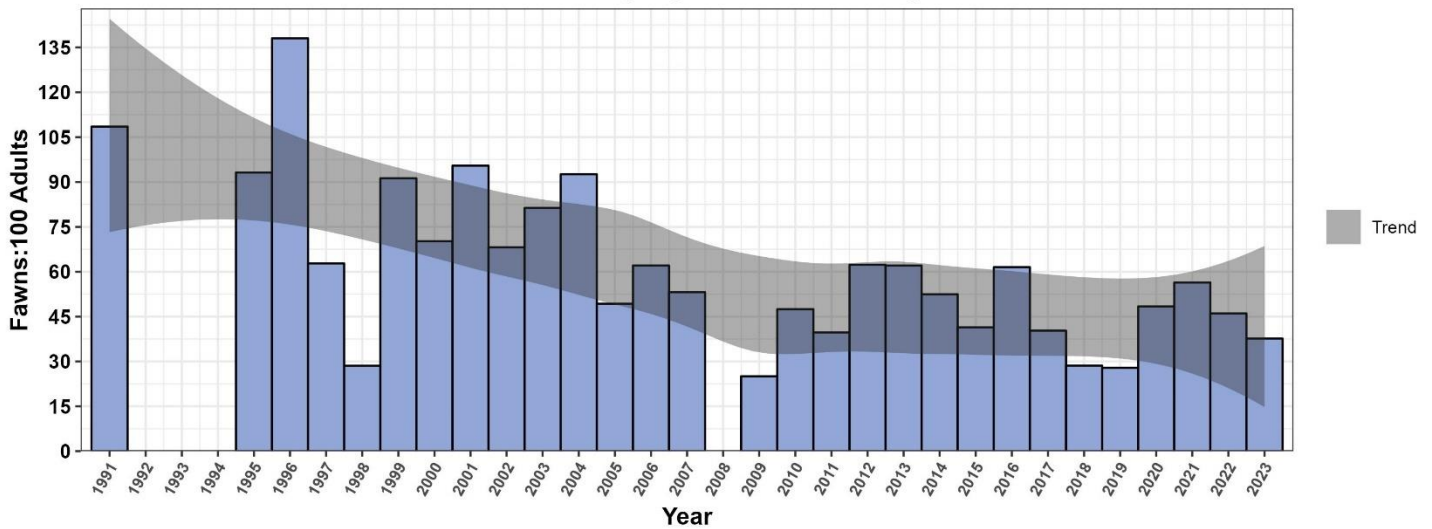
* Calculated by dividing the number of harvested Antlered WTD by the number of deer hunters (WTD & Mule Deer), then multiplying by 100.

HD 170 White-tailed Deer Harvest (1995 – 2022)

Year	Antlered	Antlerless	Total	% >= 4pt
1995	115	290	405	NA
1996	120	423	543	NA
1997	188	159	347	NA
1998	167	151	318	NA
1999	205	211	416	NA
2000	223	239	462	NA
2001	152	302	454	NA
2002	190	189	379	NA
2003	230	395	625	NA
2004	260	356	616	70
2005	286	483	771	70
2006	253	584	845	59
2007	257	703	960	70
2008	429	1067	1496	68
2009	338	782	1120	63
2010	402	804	1206	63
2011	384	713	1097	66
2012	468	801	1269	62
2013	514	801	1315	60
2014	665	698	1363	63
2015	556	1021	1578	61
2016	648	778	1426	63
2017	599	797	1396	56
2018	561	884	1445	59
2019	558	702	1260	68
2020	789	682	1471	59
2021	793	636	1428	68
2022	772	698	1471	64



HD 170 WTD Spring Recruitment Survey



HD 170 Spring White-tailed Deer Surveys (1991 – 2023)

Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults	Year	Adults	Fawns	Unclass	Total	Fawns: 100 Adults
1991	82	89	47	218	109	2008	NA	NA	NA	NA	NA
1992	NA	NA	NA	NA	NA	2009	419	105	0	524	25
1993	NA	NA	NA	NA	NA	2010	219	104	0	323	47
1994	NA	NA	NA	NA	NA	2011	365	145	0	510	40
1995	44	41	102	187	93	2012	390	243	43	673	62
1996	71	98	28	197	138	2013	332	206	74	612	62
1997	94	59	23	176	63	2014	448	235	15	698	52
1998	70	20	5	95	29	2015	NA	NA	NA	NA	41
1999	57	52	25	134	91	2016	247	152	45	440	62
2000	57	40	1	98	70	2017	417	168	35	620	40
2001	66	63	0	129	95	2018	NA	NA	NA	NA	29
2002	66	45	38	149	68	2019	319	89	45	453	28
2003	75	61	8	144	81	2020	777	376	148	1301	48
2004	27	25	13	65	93	2021	594	335	54	929	56
2005	73	36	101	210	49	2022	953	439	112	1504	46
2006	145	90	113	348	62	2023	1070	403	89	1562	38
2007	252	134	8	394	53						

*Multiple factors influence total count including survey route specifics (length, number per HD and location) green-up condition, and weather. Total count therefore correlates poorly with population trend and should not be used to draw inferences into deer abundance / population trend.





2022 Region One White-tailed Deer Report

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Prepared by: Zack Farley ~ Wildlife Biologist (Thompson Falls)

