

REPORT OF DEER HARVEST 2019-2020

HARVEST REPORT STATEWIDE WILDLIFE RESEARCH AND SURVEYS BIG GAME PROGRAM

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Deer Harvest Survey 2019 – 2020

Monitoring harvest is an integral part of deer management for the Kansas Department of Wildlife, Parks, and Tourism (KDWPT). Harvest data in conjunction with population monitoring directs more effective harvest goals and regulations. Additionally, hunter activity information increases the ability of deer managers to refine opportunities and adjust harvest goals as part of maintaining sustainable deer populations. KDWPT utilizes a post-season harvest survey to gather this data. This survey is administered once deer permit sales are summarized, so that a sample that is proportional to each permit type maybe randomly drawn. The survey period is approximately 21 days long. Participants selected for participation by email receive an initial email, and two follow up emails at one-week intervals if they have not completed the survey. Participants selected for participation by postcard receive one postcard at the beginning of the open survey period. Data summary and analysis was completed using the statistical program R.

The following summary includes information and is organized in the following order: permit sales, deer harvest by species, age, and sex, harvest by weapon type, hunter use, and deer kill on private, public and WIHA properties, season participation, hunter days afield, date of harvest, hunter satisfaction, and a summary of the special section questions. Additionally, an appendix (Appendix 1) includes estimated deer harvest by species, age, and sex for each of the 19 Deer Management Units in Kansas. An additional separate document ([2019-20 Deer Harvest Survey Supplementary Material – Hunter Comments](#)) contains all comments received through the survey as they were written, except that personal identifying information (e.g., names, phone numbers, etc.) are redacted.

This is a summary of the survey data compiled from responses of hunters completing the post-season survey. The accuracy of this summary relies on the accuracy of information provided by participants. When possible, survey responses with information that was not valid were corrected (e.g., a hunter marks one deer harvested but classifies two and the information in each classification is the same, one classification would be dropped) or removed from the dataset.

Permit Sales and Survey Sample Summary

The total deer permits sold in Kansas for the 2019-20 deer season was 174,602 (Fig. 1), which is a decline of 2.59% from 2018-19 and 5.81% below the five-year average. This is the fifth year in a row that deer permit sales have declined. Most of the declines are in resident over-the-counter permits. The largest declines were in Whitetail Any Season General Resident, Whitetail Any Season Landowner/Tenant, and Whitetail Any Season Youth. Non-resident permit sales have been steady since most non-resident permits are limited availability with quotas, but slight variation occurs with Hunt-Own-Land permits.

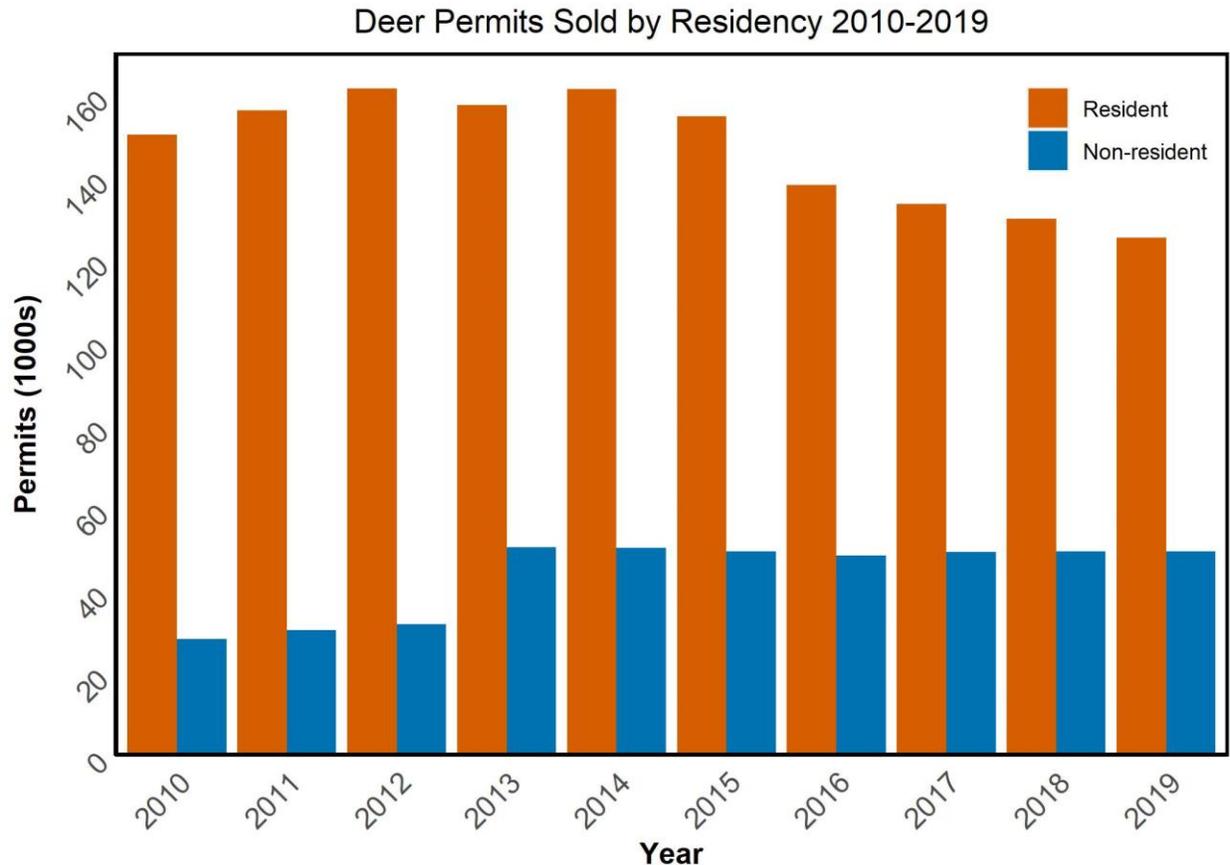


Figure 1. Deer permit sales 2010 to present. Resident sales (orange) have declined the last three years. Non-resident sales have remained steady since most non-resident permits are limited availability through the random draw, variation in non-resident permits is typically due to changes in the number of hunt-own-land or white-tail antlerless only permits sold.

Deer hunters in Kansas are limited to one permit allowing the take of an antlered deer (the buck permit; all permits allowing an antlered deer to be taken are either sex permits) and must purchase this permit before they may purchase antlerless-only permits unless they purchase antlerless only permits after December 30. During the 2019-20 deer season, hunters purchased 106,896 buck permits. A total sample size of 40,000 was drawn from hunters purchasing buck permits to receive the Kansas Deer Harvest Survey. The 40,000 hunters are sampled in proportion to the number of each type of permit sold. Thirty-two thousand hunters receive an email invitation with a weblink to participate in the survey. Eight thousand hunters are mailed a postcard with a weblink they may use to participate in the survey. Additionally, 3,500 bowhunters receive a paper form of the Deer Harvest Survey as part of participating in the Bowhunter Observation Diary, which they mail mail-in or follow the included weblink. All surveys include a hunter's KDWPT number to prevent duplicate surveys from being included as part of the results. The actual number of email invitations sent in the 2019-20 post-season was 32,018, due to incorrect emails, closed emails, etc. A total of 16,968 responses were received, made up of 14,624 responses to email invitations, 1,698 responses to postcards, and 646

responses from the Bowhunter form. These responses resulted in a total of 14,559 responses with usable data for analysis and estimation of deer harvest and hunter activity for the 2019-20 deer seasons. Recent changes in international privacy law prevented surveying youth hunters under 16, therefore all youth data were included in the equivalent general resident category. All nonresident draw permits were issued through the draw. No leftover permits were available for the 2019-20 deer seasons.

Statewide Deer Harvest

The 2019-20 statewide deer harvest of 77,900 a decrease of 3,869 deer from the previous season's harvest. Harvest in 2019-20 was 2.31% below the three-year harvest average of 79,745 and was 6.08% below the five-year harvest average of 82,944 (Fig. 2). The 2019-20 deer harvest was the lowest since 2007 and was the 18th highest harvest in Kansas since modern deer hunting seasons began in 1965; the highest was the 2000 season, when 111,159 deer were harvested.

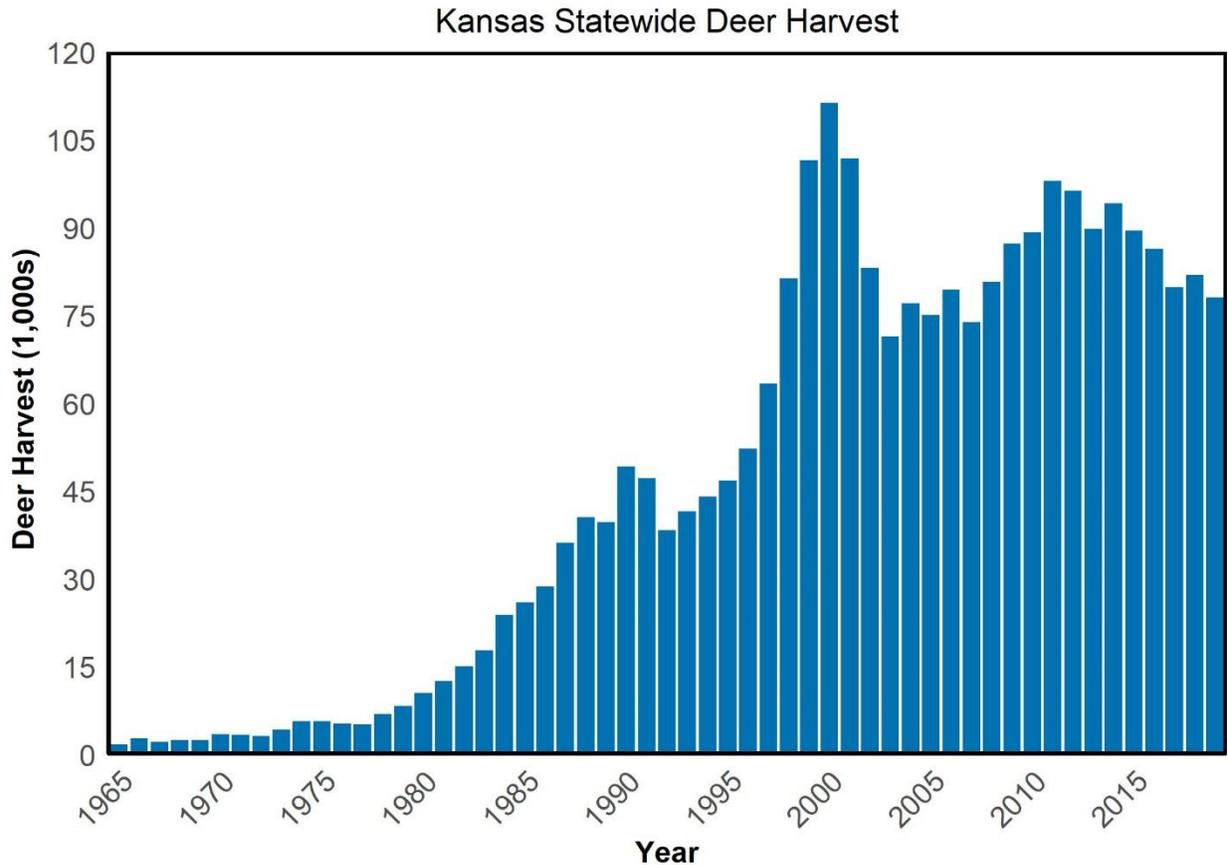


Figure 2. Kansas statewide deer harvest 1965 to present. Greatest harvest occurred in 2000 (111,159) lowest harvest occurred in 1965 (1,504). The first modern deer hunting season in Kansas was held in 1965.

Residents hunters hunted at a slightly lower rate (92.2%) than non-resident hunters (95.8%), although 93.9% of all hunters who purchased a deer permit spent time afield. Residents had a slightly higher rate of successfully harvesting a deer than nonresidents. KDWPT again, for the third consecutive season, did not offer Either Species Antlerless Only permits to limit female mule deer harvest. The total mule deer harvest (1,732) was the lowest in Kansas since 1983 (1,412) and the number of antlerless mule deer harvested (112) decreased from 2018-19 (214). Mule deer harvest made up 2.2% of the total deer harvest (Table 1). The total antlerless deer harvest made up 47.7% of the total deer harvest, which was similar to the 2018-19 season (47.8%). Deer harvest estimates by species, sex, and age for each Deer Management Unit are included in Appendix 1.

Table 1. Kansas state-wide deer harvest by species, sex, and age in 2019-20. Non-resident permit classes are gray shaded.

Permit Type	Total Permits Issued	Percent (%) Active Hunters	Hunter Success Rate	Whitetail					Total WT Antlerless	Mule Deer					Total MD Antlerless	Percent (%) WT Antlerless	Percent (%) MD Antlerless	Total
				Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn		Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn				
Any Deer, Gen Res + Youth	1,343	92.2%	72.2%	193	16	0	5	5	26	616	48	16	0	0	64	11.9%	9.4%	899
Any Deer, LO/Ten	191	91.9%	47.1%	15	0	0	0	0	0	62	5	0	0	0	5	0.0%	7.5%	82
Whitetail Either Sex, Gen Res + Youth	52,810	95.0%	51.8%	19,190	6,010	101	591	140	6,842	16	0	0	0	0	0	26.3%	0.0%	26,048
Whitetail Either Sex, LO/Ten	13,488	93.0%	51.8%	4,930	1,452	16	96	24	1,588	0	0	0	0	0	0	24.4%	0.0%	6,518
Muzzleloader, Gen Res + Youth	484	100.0%	63.2%	54	9	9	0	0	18	234	9	0	0	0	9	25.0%	3.7%	315
Muzzleloader, LO/Ten	57	80.0%	75.0%	11	11	0	0	0	11	0	0	0	11	0	11	50.0%	100.0%	33
HOL	4,473	87.9%	46.2%	1,178	372	18	35	9	434	204	9	0	0	0	9	26.9%	4.2%	1,825
STWD Archery, Gen Res + Youth	5,724	95.6%	47.5%	1,919	317	7	48	7	379	317	0	0	0	0	0	16.5%	0.0%	2,615
STWD Archery, LO/Ten	1,030	92.1%	37.5%	309	39	0	0	0	39	15	0	0	0	0	0	11.2%	0.0%	363
WTAO, Gen Res + Youth	45,614	94.6%	41.1%	0	15,980	246	783	763	17,772	0	0	0	0	0	0	100.0%	0.0%	17,772
Whitetail Either Sex + Youth, Draw	6,478	95.5%	62.0%	3,585	269	7	7	0	283	0	0	0	0	0	0	7.3%	0.0%	3,868
Muzzleloader + Youth, Draw	1,606	95.1%	49.8%	752	23	0	0	0	23	8	0	0	0	0	0	3.0%	0.0%	783
Muzzleloader + Youth, ESES	75	100.0%	75.0%	0	5	0	0	0	5	52	0	0	0	0	0	100.0%	0.0%	57
HOL	1,547	98.4%	54.2%	697	92	0	6	6	104	24	0	0	0	0	0	13.0%	0.0%	825
HOL Special	1,135	96.3%	52.6%	434	84	0	0	0	84	42	7	0	0	7	14	16.2%	25.0%	574
HOL NR Tenant	536	92.0%	35.8%	140	22	0	7	0	29	7	0	0	0	0	0	17.2%	0.0%	176
Archery + Youth, Draw	13,543	95.5%	47.0%	5,680	392	0	24	6	422	0	0	0	0	0	0	6.9%	0.0%	6,102
Archery + Youth, ESES	96	94.7%	37.5%	11	0	0	0	0	0	23	0	0	0	0	0	0.0%	0.0%	34
WTAO	24,372	94.6%	31.5%	0	8,136	530	184	161	9,011	0	0	0	0	0	0	100.0%	0.0%	9,011
Resident	125,214	92.2%	53.3%	27,799	24,206	397	1,558	948	27,109	1,464	71	16	11	0	98	29.2%	12.5%	56,470
Nonresident	49,388	95.8%	49.5%	11,299	9,023	537	228	173	9,961	156	7	0	0	7	14	29.3%	2.8%	21,430
Total	174,602	93.9%	51.5%	39,098	33,229	934	1,786	1,121	37,070	1,620	78	16	11	7	112	29.2%	7.9%	77,900

^aChanges to privacy laws prevented surveying youth hunters in separate categories, youth hunters were included in corresponding general hunter categories.

Statewide Harvest by Weapon Category

A greater proportion of deer were harvested by centerfire firearms (Table 2) than any other, but compound bows were the next most popular weapon choice. Pistols were the least used method (0.21%) of harvest although shotguns with slugs (0.32%), recurve or longbow (0.42%) and traditional muzzleloaders (0.44%) were also little used. As a group, muzzleloader hunters killed only 2.7% of the overall deer harvest. In 2019-20 archery methods were used to harvest 40.5% of all deer harvested, up from 36.6% in 2018-19. The proportion of the archery harvest by crossbows increased by 9.9%, and accounts for 32.2% of deer harvested by archery methods (Fig.3).

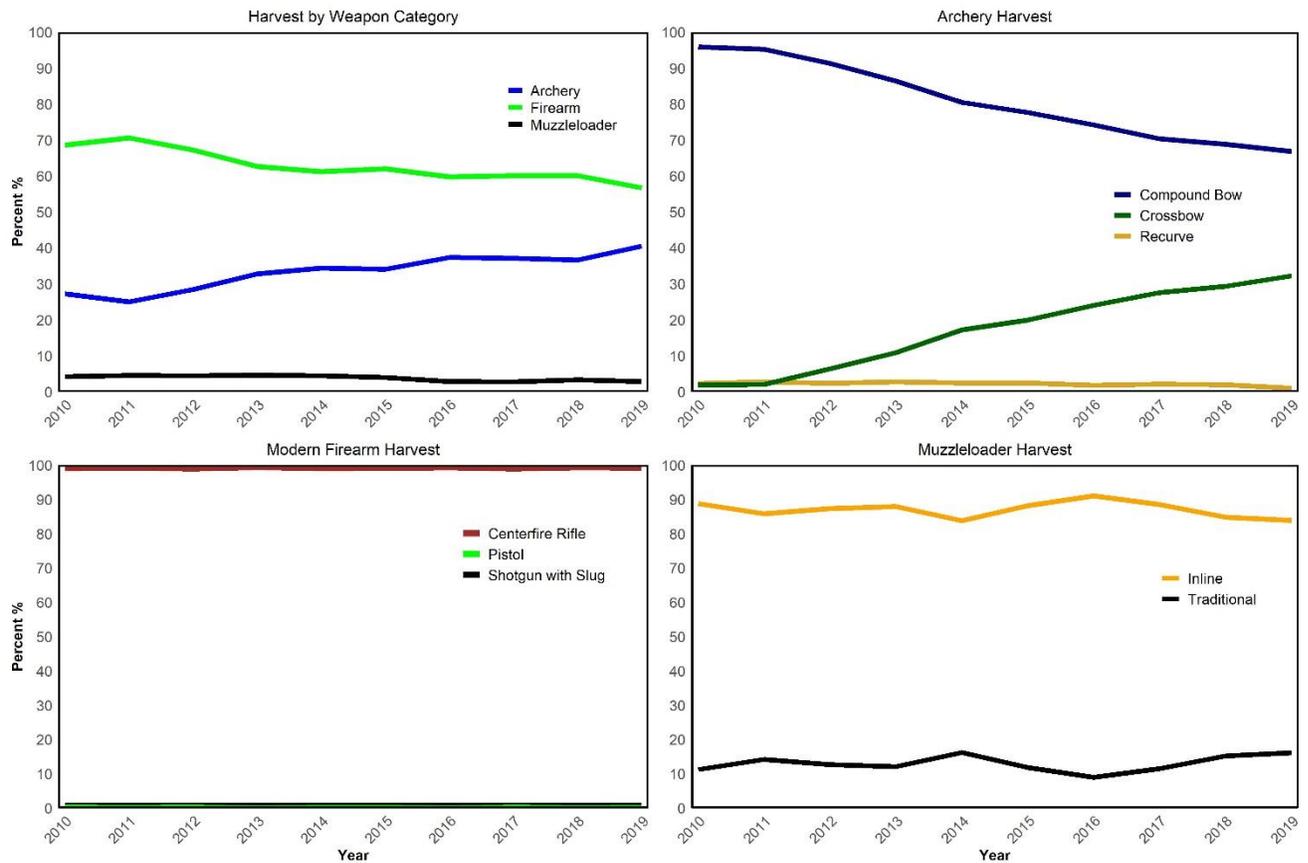


Figure 3. Proportion of harvest by weapon category and proportion of harvest by sub-category within weapon category. The proportion of deer harvest by archery methods has increased while the proportion of harvest by firearms methods has decreased. The proportion of deer harvest by weapon sub-category has remained steady within the weapon categories, with the exception of crossbow and compound bow sub-categories in the archery harvest category.

Table 2. Kansas state-wide deer harvest by weapon type in 2019-2020. Non-resident permit classes are gray shaded. Unfilled permits may be used as a firearm whitetail antlerless permit during January antlerless seasons, thus there may be deer legally harvested with firearms on an archery permit. Totals may not match estimated harvest due to rounding.

Permit Type	Permits Issued	Centerfire Rifle	Shotgun with Slug	Pistol	Inline Muzzleloader	Traditional Muzzleloader	Compound Bow	Recurve Longbow	Crossbow	Total
Any Deer, Gen Res + Youth	1,343	894	5	0	0	0	0	0	0	899
Any Deer, LO/Ten	191	82	0	0	0	0	0	0	0	82
Whitetail Either Sex, Gen Res + Youth	52,810	16,052	117	78	272	62	5,651	101	3,716	26,049
Whitetail Either Sex, LO/Ten	13,488	4,348	0	16	72	32	1,165	40	846	6,519
Muzzleloader, Gen Res + Youth	484	18	0	0	252	45	0	0	0	315
Muzzleloader, LO/Ten	57	0	0	0	33	0	0	0	0	33
HOL	4,473	1,391	9	9	9	0	257	0	151	1,826
STWD Archery, Gen Res + Youth	5,724	111	0	0	0	0	1,847	76	581	2,615
STWD Archery, LO/Ten	1,030	23	0	0	0	0	242	15	83	363
WTAO, Gen Res + Youth	45,614	12,039	111	52	195	59	3,577	0	1,739	17,772
Whitetail Either Sex + Youth, Draw	6,478	3,855	7	0	0	0	0	0	7	3,869
Muzzleloader + Youth, Draw	1,606	8	0	0	684	91	0	0	0	783
Muzzleloader + Youth, ESES	75	0	0	0	48	10	0	0	0	58
HOL	1,547	428	0	0	12	0	293	6	86	825
HOL Special	1,135	336	0	7	7	0	168	0	56	574
HOL NR Tenant	536	103	0	0	0	0	44	0	29	176
Archery + Youth, Draw	13,543	18	0	0	0	0	4,371	90	1,622	6,101
Archery + Youth, ESES	96	0	0	0	0	0	23	0	11	34
WTAO	24,372	4,064	0	0	209	46	3,437	0	1,254	9,010
Resident	125,214	34,958	242	155	833	198	12,739	232	7,116	56,473
Nonresident	49,388	8,812	7	7	960	147	8,336	96	3,065	21,430
Total	174,602	43,770	249	162	1,793	345	21,075	328	10,181	77,903

^aChanges to privacy laws prevented surveying youth hunters in separate categories, youth hunters were included in corresponding general hunter categories.

Hunter Use and Deer Harvest on Public, Private, and WIHA Properties

Kansas has multiple types of land available for hunters to utilize. Most land in Kansas is under private ownership. A portion of privately-owned land is open to public hunting through the Walk-In Hunting Access Program (WIHA). During the 2019-20 deer season 1,180,000 acres of WIHA was available for public hunting. There were also approximately 390,000 acres of state and federal land, much of which is specifically managed to maximize wildlife resources. The value of these publicly accessible properties to deer hunters in Kansas can be seen by the proportion of the total deer harvest that comes from those properties. Public land makes up 0.74% of land in Kansas, yet 5.84% of the total estimated deer harvest occurs on those properties (Table 3). The proportion of deer harvest on WIHA properties is 3.88%, but WIHA properties account for 2.25% of Kansas. Private property not in WIHA accounts for the remaining 97.01% of land and 90.28% of deer harvest, respectively.

Table 3. Hunter Use and Deer Harvest on Public, Private, and Walk-In Hunting Access Property. Non-resident permit types are grey shaded. The sum of the number of hunters using property types exceeds the total number of hunters as a hunter may use more than one property type. All hunter activity and harvest are accounted for on a hunter's buck permit, thus no whitetail antlerless only permit categories are included.

Permit Type	Number of Hunters			Deer Harvest			Total Deer Harvest
	Private Land	Public Land	Walk-In Hunting Area	Private Land	Public Land	Walk-In Hunting Area	
Any Deer, Gen Res + Youth	1121	307	711	643	50	206	899
Any Deer, LO/Ten	180	22	79	74	4	4	82
Whitetail Either Sex, Gen Res + Youth	46915	10151	8561	23098	2072	878	26048
Whitetail Either Sex, LO/Ten	13378	364	796	6401	32	85	6518
Muzzleloader, Gen Res + Youth	384	134	209	226	21	68	315
Muzzleloader, LO/Ten	57	28	28	33	0	0	33
HOL	4453	60	120	1825	0	0	1825
STWD Archery, Gen Res + Youth	5072	1508	1550	2263	209	144	2616
STWD Archery, LO/Ten	1030	72	89	359	0	4	363
WTAO, Gen Res + Youth				15985	1127	660	17772
Whitetail Either Sex + Youth, Draw	5925	560	920	3483	115	270	3868
Muzzleloader + Youth, Draw	1434	157	194	681	70	32	783
Muzzleloader + Youth, ESES	61	28	28	41	4	12	57
HOL	1523	6	18	820	0	5	825
HOL Special	1135	7	7	574	0	0	574
HOL NR Tenant	528	8	23	176	0	0	176
Archery + Youth, Draw	11988	1698	1840	5462	407	233	6102
Archery + Youth, ESES	80	16	32	17	6	11	34
WTAO				8164	436	411	9011
Resident	72590	12646	12143	50907	3515	2049	56471
Nonresident	22674	2480	3062	19418	1038	974	21430
Total	95264	15126	15205	70325	4553	3023	77901

^aChanges to privacy laws prevented surveying youth hunters in separate categories, youth hunters were included in corresponding general hunter categories.

Hunter Participation by Season

During the 2019-20 deer seasons, only the muzzleloader and archery seasons had a greater than expected proportion of participation by non-residents. Of the three major seasons (muzzleloader, archery, firearms), firearms season has the greatest proportion of participation by Kansas residents at 85.9%. Seasons that limited harvest to antlerless deer, are proportionally more heavily participated in by residents. While most antlerless seasons are specific to deer management units and occur after seasons allowing antlered deer harvest; the proportion of participation in the Pre-rut season, which is available statewide, was 98.7% Kansas resident and only 1.3% non-resident. The same applies to seasons that limit participation to a specific segment of the hunter population like the designated persons season (Youth/Disabled Season) at 89.2% resident participation. A slightly greater than expected proportion of residents indicated that they did not participate in any season and did not hunt at all.

Table 4. Number of hunters participating in a season. Non-resident permit classes are grey shaded. Totals may exceed permits issued as hunters may participate in multiple seasons with the appropriate permit(s). All seasonal participation is included in a hunter's buck permit classification.

Permit Type	Permits Issued	Youth	Muzzleloader	Archery	Pre-rut	Firearm	Short Antlerless	Mid Antlerless	Long Antlerless	Extended Archery	Did Not Hunt
Any Deer, Gen Res + Youth	1,343	26	16	47	63	1,217	37	84	21	16	105
Any Deer, LO/Ten	191	0	0	5	0	170	5	5	10	0	15
Whitetail Either Sex, Gen Res + Youth	52,810	1,047	2,863	27,418	3,471	36,185	2,871	5,380	2,648	893	2,647
Whitetail Either Sex, LO/Ten	13,488	118	568	6,197	332	9,401	703	1,066	647	32	945
Muzzleloader, Gen Res + Youth	484	26	199	43	9	354	26	26	0	9	0
Muzzleloader, LO/Ten	57	0	23	0	11	46	11	11	0	0	11
HOL	4,473	62	97	1,295	44	3,261	176	176	123	26	543
STWD Archery, Gen Res + Youth	5,724	108	68	5,341	162	716	169	257	108	128	255
STWD Archery, LO/Ten	1,030	0	0	919	15	119	45	82	30	15	82
Whitetail Either Sex, Draw + Youth	6,478	96	0	45	6	6,070	13	64	0	0	293
Muzzleloader, Draw + Youth	1,606	0	1,378	21	0	478	0	7	0	0	78
Muzzleloader + Youth, ESES	75	0	33	0	0	52	0	0	0	0	0
HOL	1,547	12	152	971	18	831	6	18	24	0	24
HOL Special	1,135	7	21	589	0	631	7	21	7	0	42
HOL NR Tenant	536	0	15	254	7	326	0	7	7	0	43
Archery, Draw + Youth	13,543	53	24	12,898	24	59	12	47	12	24	609
Archery + Youth, ESES	96	0	0	91	0	0	0	0	0	0	5
Resident	79,600	1,387	3,834	41,265	4,107	51,469	4,043	7,087	3,587	1,119	4,603
Nonresident	25,016	168	1,623	14,869	55	8,447	38	164	50	24	1,094
Total	104,616	1,555	5,457	56,134	4,162	59,916	4,081	7,251	3,637	1,143	5,697

^aChanges to privacy laws prevented surveying youth hunters in separate categories, youth hunters were included in corresponding general hunter categories.

Hunter Days Afield

During the 2019-20 deer seasons hunters in Kansas spent over 1.09 million days hunting deer (Table 5). Not including antlerless permits, residents averaged 11.5 days hunted per permit purchased, while non-residents averaged 7.2 days hunted per permit purchased. General resident and youth hunters who held a statewide archery permit hunted the second most days per permit at an average 16.1 days, behind resident landowner/tenants holding a statewide archery permit hunted second most averaging 16.4 days per permit. Resident landowner/tenants hunted the fewest average days per permit at 3.5 days with an Any Deer permit. Among non-residents the most days hunted were by hunters using a Hunt-Own-Land permit at an average of 9.2 days per permit, while non-residents with a whitetail either sex permit hunted on average of only 4.9 days per permit.

Table 5. Hunter Days Afield by Season. Non-resident permit classes are gray shaded. All hunter activity in days afield are included on a hunter's buck permit classification, including whitetail antlerless only permits, thus a hunter with a muzzleloader permit may hunt during archery season, with archery equipment for antlerless whitetail deer if they held an antlerless whitetail deer permit.

Permit Type	Permits Issued	Youth	Muzzleloader	Archery	Pre-rut	Firearm	Short Antlerless	Mid Antlerless	Long Antlerless	Extended Archery	Total
Any Deer, Gen Res + Youth	1,343	62	53	397	105	4,863	58	205	58	80	5,881
Any Deer, LO/Ten	191	0	0	15	0	618	5	10	25	0	673
Whitetail Either Sex, Gen Res + Youth	52,810	3,349	10,852	429,239	6,492	148,799	4,695	11,291	8,922	4,049	627,688
Whitetail Either Sex, LO/Ten	13,488	291	2,122	88,447	617	41,073	1,137	2,211	2,020	120	138,038
Muzzleloader, Gen Res + Youth	484	87	744	284	18	1,347	52	35	0	45	2,612
Muzzleloader, LO/Ten	57	0	115	0	33	207	22	22	0	0	399
HOL	4,473	221	397	15,549	70	13,370	352	475	501	52	30,987
STWD Archery, Gen Res + Youth	5,724	398	265	87,029	284	2,655	270	487	310	593	92,291
STWD Archery, LO/Ten	1,030	0	0	16,908	158	539	60	179	98	60	18,002
Whitetail Either Sex, Draw + Youth	6,478	384	0	424	12	30,822	39	224	0	0	31,905
Muzzleloader, Draw + Youth	1,606	0	7,218	168	0	2,240	0	21	0	0	9,647
Muzzleloader + Youth, ESES	75	0	151	0	0	288	0	0	0	0	439
HOL	1,547	30	523	10,044	36	3,457	12	36	42	0	14,180
HOL Special	1,135	28	35	5,154	0	2,524	14	42	7	0	7,804
HOL NR Tenant	536	0	38	2,112	7	1,463	0	14	14	0	3,648
Archery, Draw + Youth	13,543	177	102	110,280	60	330	30	94	24	102	111,199
Archery + Youth, ESES	96	0	0	691	0	0	0	0	0	0	691
Resident	79,600	4,408	14,548	637,868	7,777	213,471	6,651	14,915	11,934	4,999	916,571
Nonresident	25,016	619	8,067	128,873	115	41,124	95	431	87	102	179,513
Total	104,616	5,027	22,615	766,741	7,892	254,595	6,746	15,346	12,021	5,101	1,096,084

^aChanges to privacy laws prevented surveying youth hunters in separate categories, youth hunters were included in corresponding general hunter categories.

Date of Harvest

Deer Harvested by Date

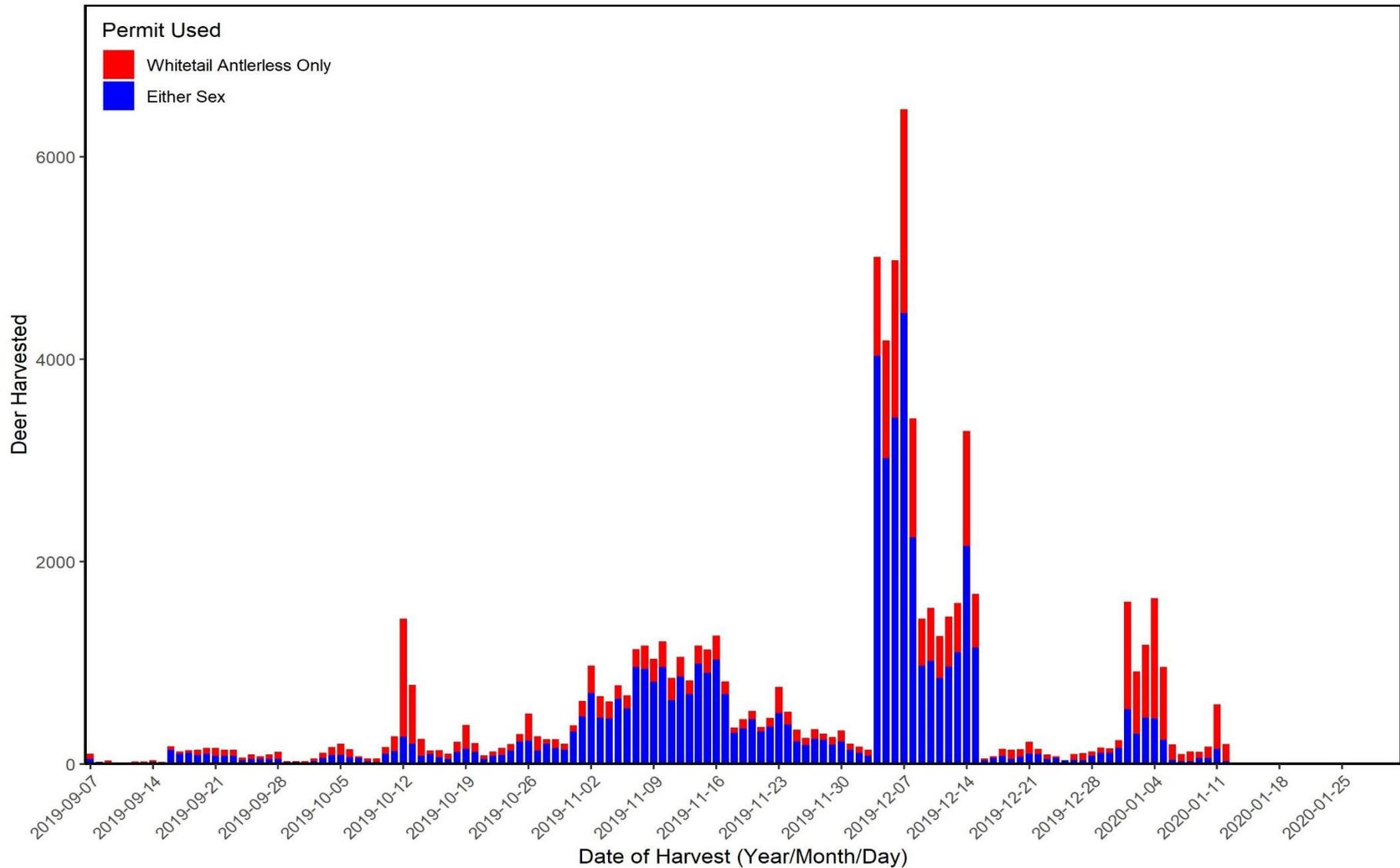


Figure 4. Deer Harvest by Date. Harvest is split by permit type used as either the Either Sex permit (Buck permit) and Whitetail antlerless only permit. Dates (in Year/Month/Day format) labeled on the x-axis are Saturdays during the 2019-20 season. More deer (25.3%) were harvested on Saturdays than any other day of the week, while Mondays have the least amount of harvest (6.9%). January antlerless seasons accounted for 10.2% of the deer harvest, the 12-day firearms season for 46.6%, and only 3.2% occurred during the 3-day October pre-rut antlerless season.

Hunter Satisfaction

Satisfaction of Kansas deer hunters was largely tied to whether they harvested a deer (Table 6). A greater number of hunters that harvested a deer also completed the satisfaction portion of the survey. In general, hunters harvesting a deer displayed greater satisfaction rates than those that did not. Non-residents were also likely to display greater satisfaction than residents.

Table 6. Hunter Satisfaction by Residency for 2019-20 Deer Season. Harvesting a deer is closely tied to hunter satisfaction.

Residency	Did they harvest a deer this season?	Hunters Completing Satisfaction Question	Percent (%) Extremely Dissatisfied	Percent (%) Dissatisfied	Percent (%) Mildly Dissatisfied	Percent (%) Neutral	Percent (%) Mildly Satisfied	Percent (%) Satisfied	Percent (%) Extremely Satisfied	Percent (%) Dissatisfied Total	Percent (%) Satisfied Total
Resident	No	4146	5.7	6.9	10.2	22.0	14.3	28.2	12.6	22.8	55.1
Resident	Yes	5326	1.2	1.7	2.6	4.3	9.6	35.7	44.8	5.5	90.1
Non-resident	No	1787	2.7	4.1	7.4	10.5	12.9	32.3	30.1	14.2	75.3
Non-resident	Yes	1973	0.3	0.9	1.2	1.5	4.6	27.0	64.6	2.4	96.2

Total percentages may be slightly under or over 100% due to rounding.

Special Section

Hunter Informational Desires and Media Format Preferences

The 2019-20 Kansas Deer harvest Survey asked hunters to indicate how important current KDWPT publications regarding deer are to them for making decision relating to deer hunting and how interested they are in additional items that could be developed for publishing. Additionally, hunters were asked to rank their preferences on how those publications were delivered to them through the media options currently available to KDWPT. We used the potential for conflict index (Manfredo et al. 2003) in assessing importance of published information and the interest in additional publications for development. Media preferences were assessed through simple percentages of rankings. This information will help direct efficiency of efforts in current publications and potentially set some goals for development of new materials and direct changes that will allow KDWPT to deliver information more efficiently to hunters.

Of the information on deer that KDWPT publishes in various forms on a regular or intermittent schedule, hunters indicated that deer disease information and the yearly regulation summary booklet were the most important information to them (Fig. 5). Both residents and nonresidents indicated those were important and there was little variation in the importance placed on them, and these were the only publications that residents gave more importance to than nonresidents. Population reports were also important to both residents and nonresidents. The only information that was regarded as unimportant on average was the importance of permit draw statistics to residents although, unexpectedly, residents had great variation in their responses. This may be due to a few permits require residents to participate in a draw and draw statistics may be highly important to hunters interested in those permits while other hunters place little to no value on it. As we expected, draw statistics were very important to nonresidents, the majority of which are required to participate in a draw to receive a permit.

When asked what other information and publications hunters were interested in that KDWPT does not currently produce, but potentially could develop, hunters were most interested in having a deer season outlook and a summary of the five-year trends in deer population and harvest (Fig. 6). Hunters may have indicated strong interest in trends and a season outlook as this information may directly influence their decisions regarding purchasing permits, hunting location, allocating time to hunt, etc. Hunters have experience with information and publications like these through publications from other KDWPT Programs such as the Upland Bird Season Outlook and so may indicate strong interest due to better understanding what that information would appear as for deer. Hunters also indicated strong interest in potential publications on habitat and herd management. While many publications of this sort are produced by groups outside of Kansas, few are produced with information about habitat and herd management in a prairie or grassland environment, which may account for Kansas hunters' interest in this information. Some items may be more or less important depending how hunters are categorized, such as landowners or lessees of agriculture may place greater importance on deer control permit information, differences based on hunter categorization warrants further analysis.

Hunters were asked to rank their preference for media delivery formats for information about big game KDWPT publishes. Since no single item was clearly ranked utilizing only the percentage of the top ranking received, ranks one and two were combined into a single "top choice" (Fig. 7) and ranks three and four were combined into a "next choice" (Fig. 8). Both residents and nonresidents indicated that they preferred downloadable pdf publications on the KDWPT website as their top choice to receive

information although e-newsletters, direct email, and print forms were all ranked strongly also. E-newsletters, direct email, and print forms received a greatest percentages as next choices for hunters. Categorizing hunters by their age would likely yield significant changes in how they desire receiving information and warrants further analysis.

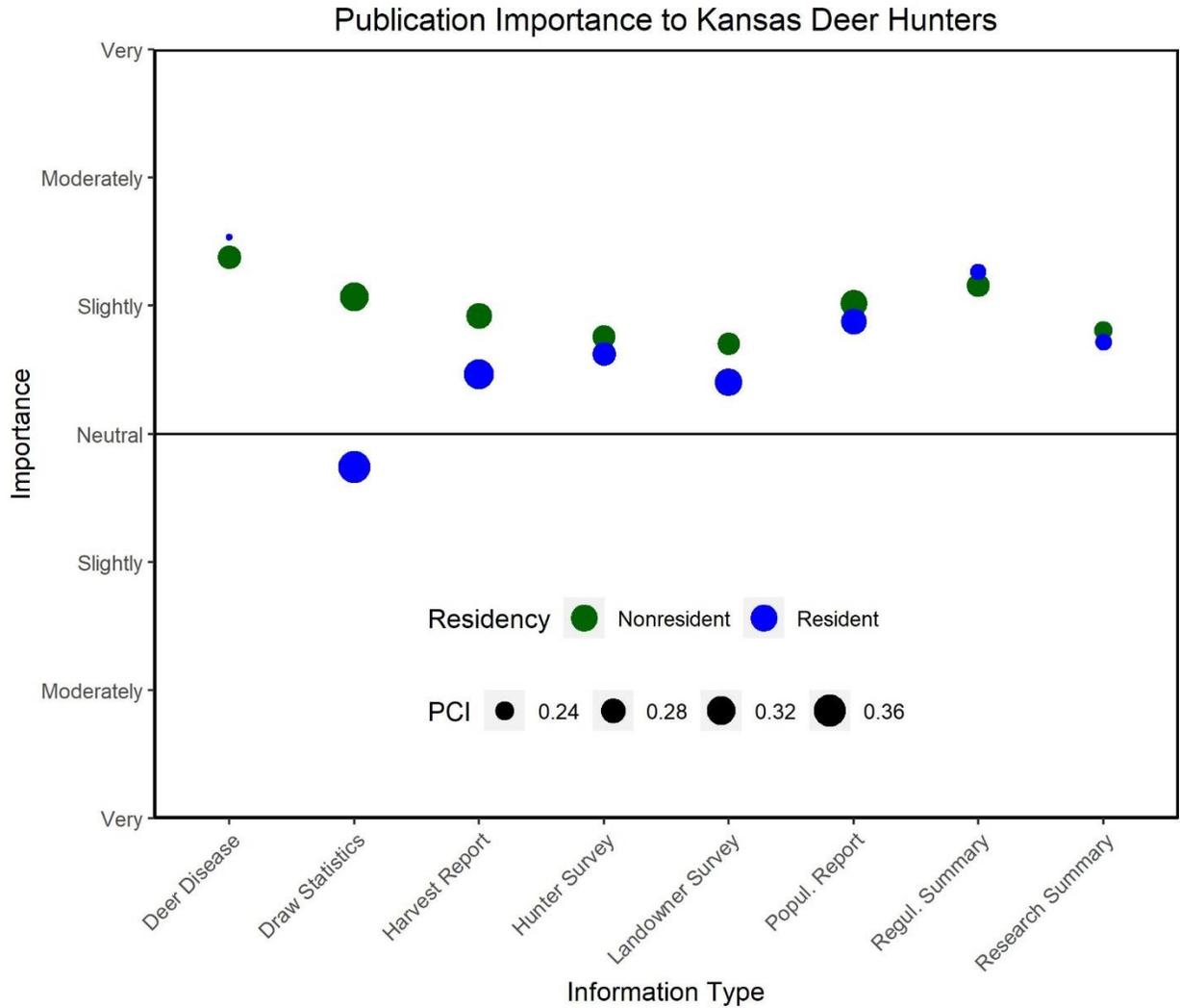


Figure 5. Potential for conflict index of importance of KDWPT deer related publications to Kansas deer hunters. The higher above the neutral line a dot is the great average importance placed on that publication, while dots further below the neutral line indicate more unimportance. Dot size indicates variation of importance in answers around the mean, larger dots indicate more variation (disagreement) of importance while smaller dots indicate hunters largely placed the same importance value on a publication.

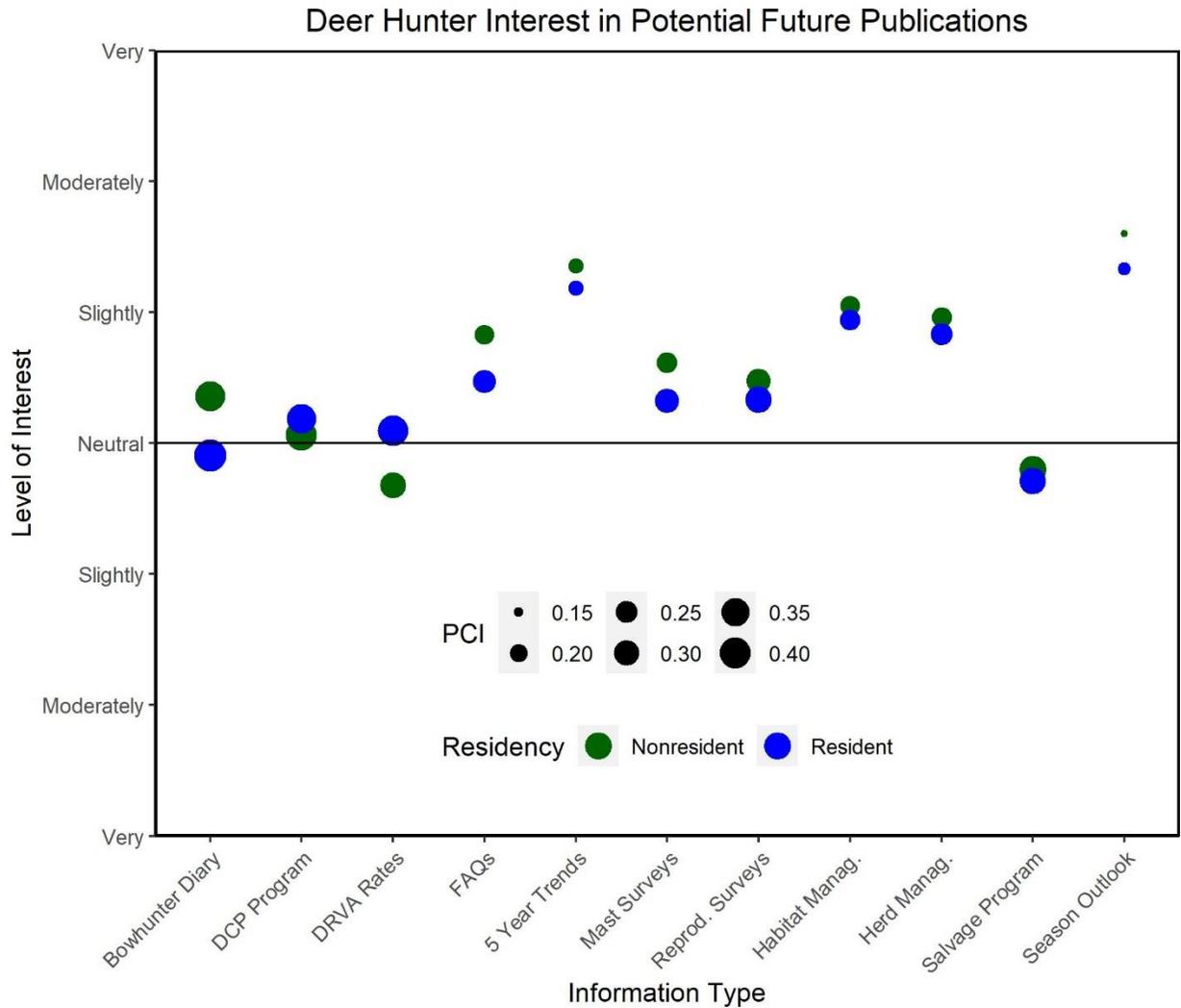


Figure 6. Potential for conflict index of interest to Kansas deer hunters in potential KDWP deer related publications that could be developed. The higher above the neutral line a dot is the greater average interest placed on that potential publication, while dots further below the neutral line indicate more disinterest. Dot size indicates variation of interest in answers around the mean, larger dots indicate more variation (disagreement) of interest while smaller dots indicate hunters largely placed the same interest value on a publication.

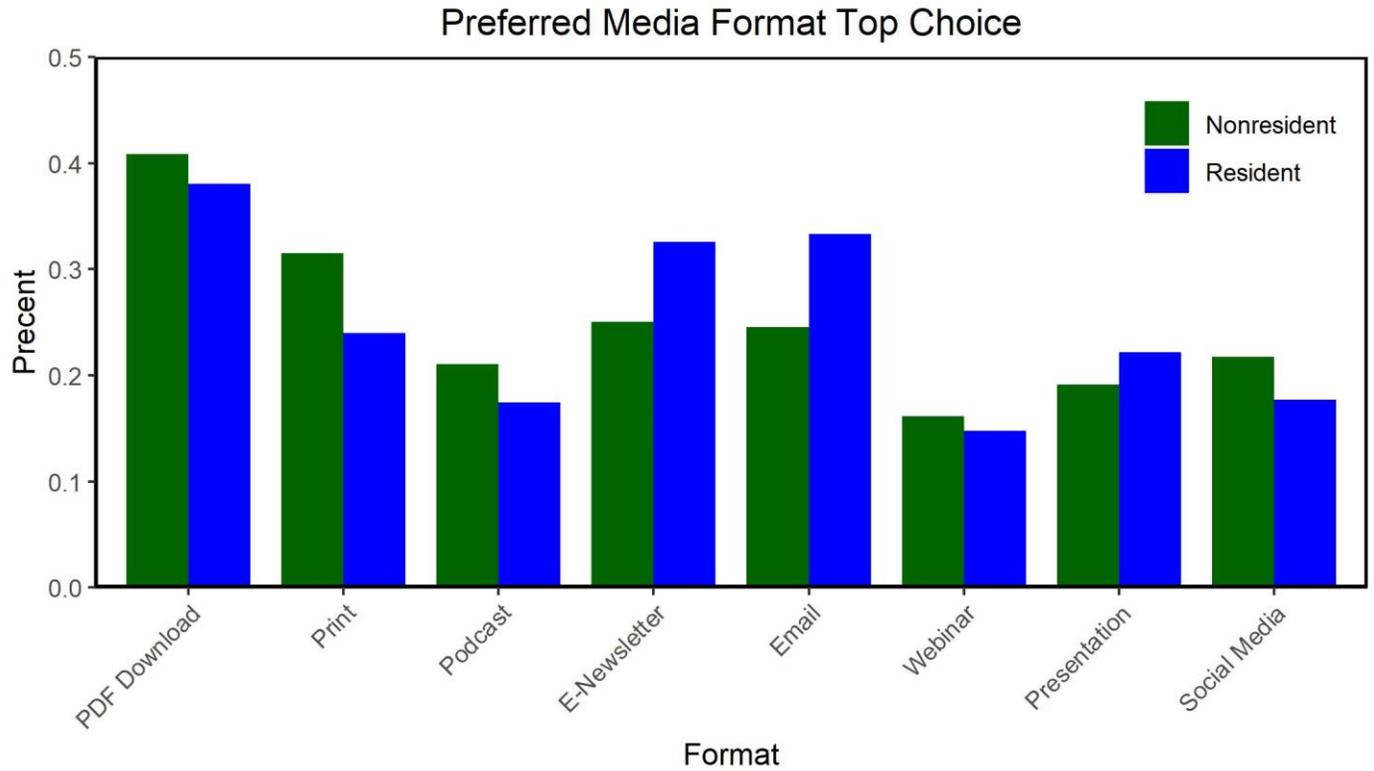


Figure 7. Top choice of media forms to deliver information to hunters. Ranks one and two were combined to form the top choice. This combination was done to provide clarity of choices hunters preferred. Only hunters that ranked all media forms were included in the analysis.

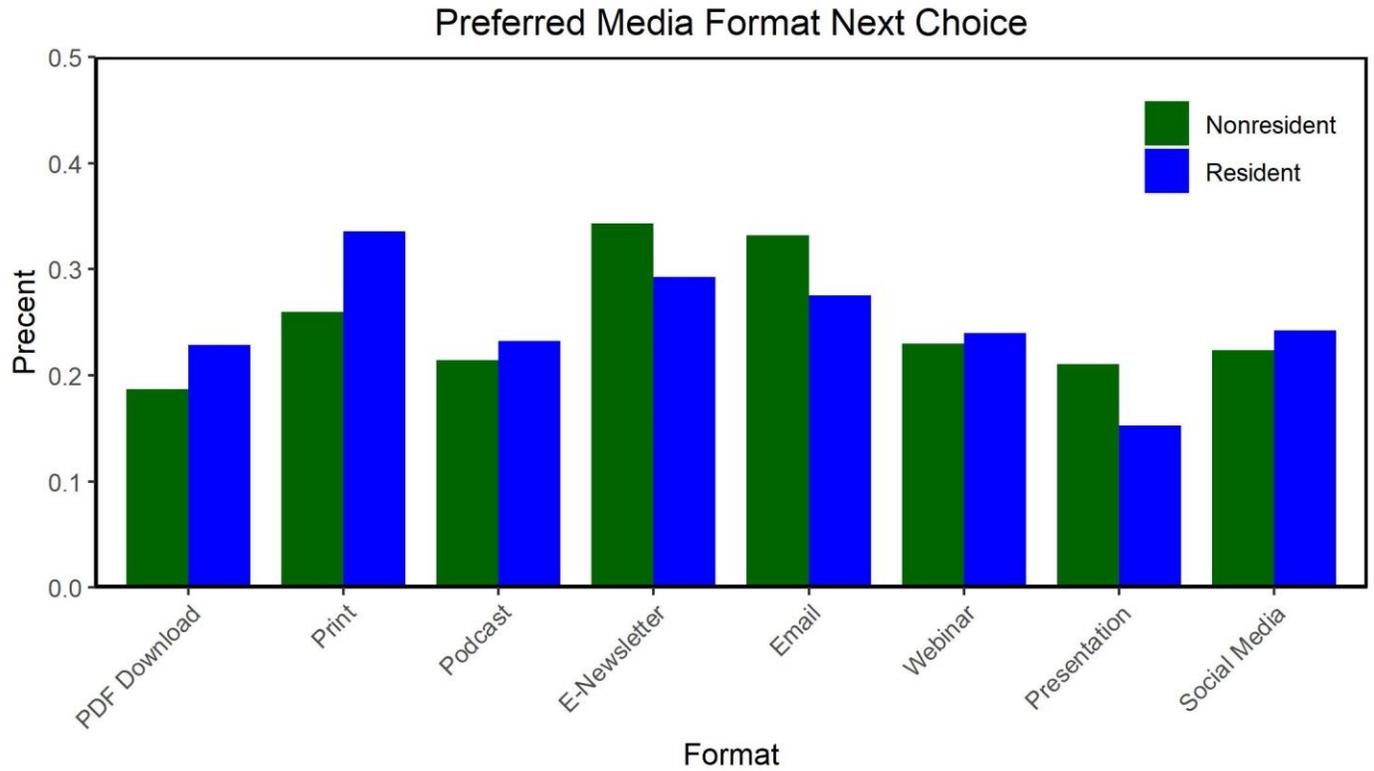
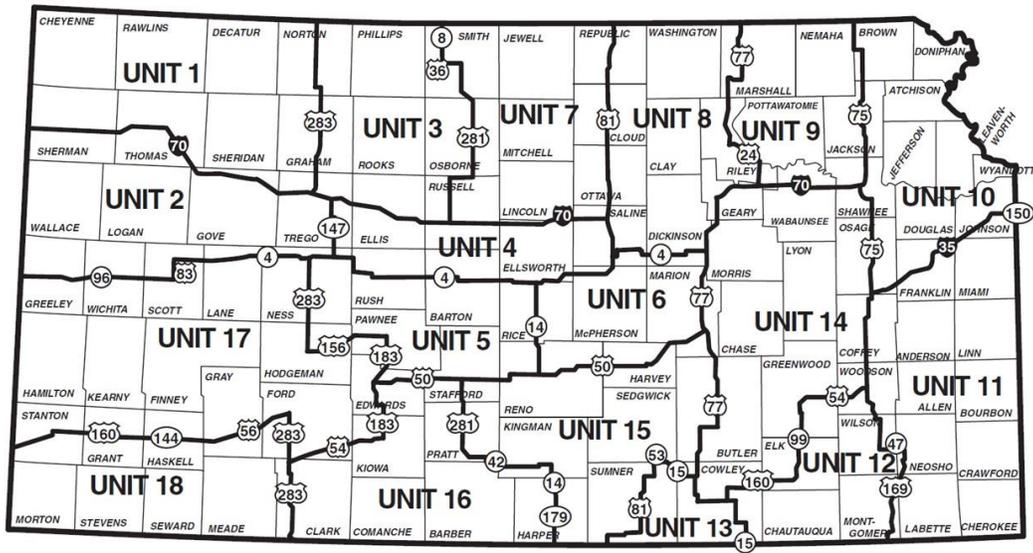


Figure 8. Next choice of media forms to deliver information to hunters. Ranks three and four were combined to form the next choice. This combination was done to provide clarity of choices hunters preferred. Only hunters that ranked all media forms were included in the analysis.

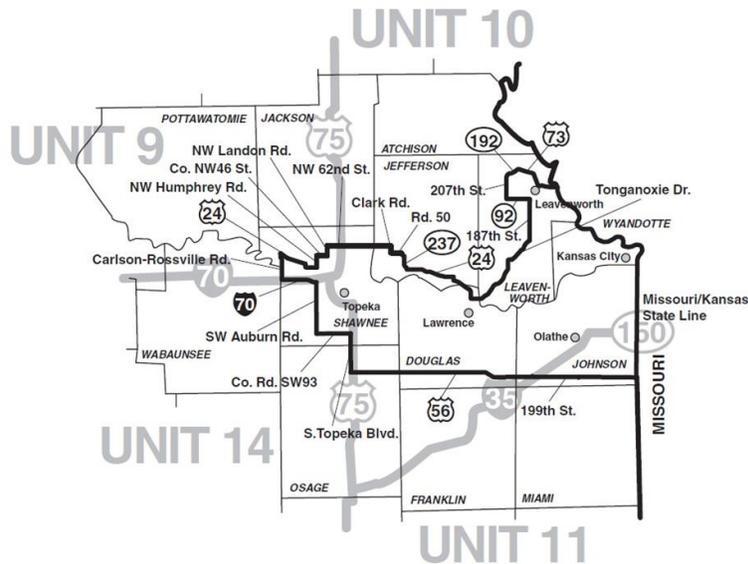
Appendix 1. KS Deer Harvest by Species, Sex, and Age for Each Deer Management Unit

The total estimated deer harvested across all deer management units may not match the statewide estimated total harvest due to rounding. Surveying youth hunters was prevented by changes to privacy laws, youth permits are included with the general permits of the same type.

Deer Management Units 01 - 18 Map



Deer Management Unit 19 Map



Deer Management Unit 01

Permit Type	Whitetail					Mule Deer					Total Harvest	
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn		
Any Deer, Gen Res + Youth	64	0	0	0	5	335	21	0	0	0	425	
Any Deer, LO/Ten	0	0	0	0	0	26	0	0	0	0	26	
Whitetail Either Sex, Gen Res + Youth	256	93	0	0	8	0	0	0	0	0	357	
Whitetail Either Sex, LO/Ten	8	16	0	0	0	0	0	0	0	0	24	
Muzzleloader, Gen Res + Youth	10	0	0	0	0	121	0	0	0	0	131	
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	11	0	11	
HOL	9	0	0	0	0	89	0	0	0	0	98	
STWD Archery, Gen Res + Youth	96	7	0	0	0	116	0	0	0	0	219	
STWD Archery, LO/Ten	0	8	0	0	0	0	0	0	0	0	8	
WTAO, Gen Res + Youth	0	320	0	0	26	0	0	0	0	0	346	
Whitetail Either Sex + Youth, Draw	169	7	0	0	0	0	0	0	0	0	176	
Muzzleloader + Youth, Draw	37	8	0	0	0	0	0	0	0	0	45	
Muzzleloader + Youth, ESES	0	0	0	0	0	28	0	0	0	0	28	
HOL	31	0	0	0	0	12	0	0	0	0	43	
HOL Special	14	0	0	0	0	21	7	0	0	0	42	
HOL NR Tenant	7	0	0	0	0	7	0	0	0	0	14	
Archery + Youth, Draw	156	18	0	12	0	0	0	0	0	0	186	
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0	
WTAO	0	641	0	23	23	0	0	0	0	0	687	
Resident	443	444	0	0	39	0	687	21	0	11	0	1645
Nonresident	414	674	0	35	23	0	68	7	0	0	0	1221
Total	857	1118	0	35	62	0	755	28	0	11	0	2866

Deer Management Unit 02

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	49	5	0	0	0	137	5	0	0	0	196
Any Deer, LO/Ten	5	0	0	0	0	21	0	0	0	0	26
Whitetail Either Sex, Gen Res + Youth	209	31	0	0	0	8	0	0	0	0	248
Whitetail Either Sex, LO/Ten	48	24	0	0	0	0	0	0	0	0	72
Muzzleloader, Gen Res + Youth	0	0	0	0	0	35	0	0	0	0	35
Muzzleloader, LO/Ten	0	11	0	0	0	0	0	0	0	0	11
HOL	26	9	0	0	0	62	0	0	0	0	97
STWD Archery, Gen Res + Youth	96	20	0	0	0	34	0	0	0	0	150
STWD Archery, LO/Ten	8	0	0	0	0	8	0	0	0	0	16
WTAO, Gen Res + Youth	0	211	6	26	32	0	0	0	0	0	275
Whitetail Either Sex + Youth, Draw	124	13	0	0	0	0	0	0	0	0	137
Muzzleloader + Youth, Draw	7	0	0	0	0	0	0	0	0	0	7
Muzzleloader + Youth, ESES	0	0	0	0	0	9	0	0	0	0	9
HOL	6	6	0	0	0	12	0	0	0	0	24
HOL Special	21	0	0	0	0	0	0	0	0	0	21
HOL NR Tenant	7	0	0	0	0	0	0	0	0	0	7
Archery + Youth, Draw	78	0	0	0	0	0	0	0	0	0	78
Archery + Youth, ESES	0	0	0	0	0	6	0	0	0	0	6
WTAO	0	92	0	0	0	0	0	0	0	0	92
Resident	441	311	6	26	32	0	305	5	0	0	1126
Nonresident	243	111	0	0	0	0	27	0	0	0	381
Total	684	422	6	26	32	0	332	5	0	0	1507

Deer Management Unit 03

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	16	5	0	0	0	16	0	0	0	0	37
Any Deer, LO/Ten	0	0	0	0	0	5	0	0	0	0	5
Whitetail Either Sex, Gen Res + Youth	760	178	0	8	0	0	0	0	0	0	946
Whitetail Either Sex, LO/Ten	199	40	0	16	0	0	0	0	0	0	255
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	26	26	0	0	0	0	0	0	0	0	52
STWD Archery, Gen Res + Youth	130	7	0	7	0	7	0	0	0	0	151
STWD Archery, LO/Ten	8	0	0	0	0	0	0	0	0	0	8
WTAO, Gen Res + Youth	0	653	6	26	52	0	0	0	0	0	737
Whitetail Either Sex + Youth, Draw	208	20	0	0	0	0	0	0	0	0	228
Muzzleloader + Youth, Draw	29	0	0	0	0	0	0	0	0	0	29
Muzzleloader + Youth, ESES	0	0	0	0	0	5	0	0	0	0	5
HOL	31	6	0	0	0	0	0	0	0	0	37
HOL Special	42	0	0	0	0	0	0	0	0	0	42
HOL NR Tenant	22	0	0	0	0	0	0	0	0	0	22
Archery + Youth, Draw	360	36	0	0	6	0	0	0	0	0	402
Archery + Youth, ESES	0	0	0	0	0	6	0	0	0	0	6
WTAO	0	320	0	0	0	0	0	0	0	0	320
Resident	1139	909	6	57	52	0	28	0	0	0	2191
Nonresident	692	382	0	0	6	0	11	0	0	0	1091
Total	1831	1291	6	57	58	0	39	0	0	0	3282

Deer Management Unit 04

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	5	0	0	0	0	5	0	0	0	0	10
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	711	266	0	31	8	0	0	0	0	0	1016
Whitetail Either Sex, LO/Ten	87	24	0	0	0	0	0	0	0	0	111
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	35	9	0	0	0	0	0	0	0	0	44
STWD Archery, Gen Res + Youth	82	20	0	0	0	7	0	0	0	0	109
STWD Archery, LO/Ten	8	0	0	0	0	0	0	0	0	0	8
WTAO, Gen Res + Youth	0	727	7	40	27	0	0	0	0	0	801
Whitetail Either Sex + Youth, Draw	98	20	0	0	0	0	0	0	0	0	118
Muzzleloader + Youth, Draw	15	0	0	0	0	0	0	0	0	0	15
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	6	0	0	0	0	0	0	0	0	0	6
HOL Special	7	7	0	0	0	7	0	0	0	7	28
HOL NR Tenant	0	0	0	0	0	0	0	0	0	0	0
Archery + Youth, Draw	150	0	0	0	0	0	0	0	0	0	150
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	389	0	0	0	0	0	0	0	0	389
Resident	928	1046	7	71	35	0	12	0	0	0	2099
Nonresident	276	416	0	0	0	0	7	0	0	7	706
Total	1204	1462	7	71	35	0	19	0	0	7	2805

Deer Management Unit 05

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	5	0	5	0	5	0	0	15
Any Deer, LO/Ten	5	0	0	0	0	0	0	0	0	0	5
Whitetail Either Sex, Gen Res + Youth	571	321	0	16	0	0	0	0	0	0	908
Whitetail Either Sex, LO/Ten	135	32	8	0	0	0	0	0	0	0	175
Muzzleloader, Gen Res + Youth	18	0	9	0	0	0	0	0	0	0	27
Muzzleloader, LO/Ten	11	0	0	0	0	0	0	0	0	0	11
HOL	62	0	0	0	0	0	0	0	0	0	62
STWD Archery, Gen Res + Youth	55	20	0	0	0	0	0	0	0	0	75
STWD Archery, LO/Ten	8	0	0	0	0	0	0	0	0	0	8
WTAO, Gen Res + Youth	0	570	0	13	26	0	0	0	0	0	609
Whitetail Either Sex + Youth, Draw	182	20	0	0	0	0	0	0	0	0	202
Muzzleloader + Youth, Draw	37	0	0	0	0	0	0	0	0	0	37
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	18	0	0	0	0	0	0	0	0	0	18
HOL Special	0	7	0	0	0	0	0	0	0	0	7
HOL NR Tenant	7	0	0	7	0	0	0	0	0	0	14
Archery + Youth, Draw	216	6	0	0	0	0	0	0	0	0	222
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	298	23	23	0	0	0	0	0	0	344
Resident	865	943	17	34	26	0	5	0	5	0	1895
Nonresident	460	331	23	30	0	0	0	0	0	0	844
Total	1325	1274	40	64	26	0	5	0	5	0	2739

Deer Management Unit 06

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	776	225	15	16	0	0	0	0	0	0	1032
Whitetail Either Sex, LO/Ten	231	32	0	8	0	0	0	0	0	0	271
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	71	0	0	9	0	0	0	0	0	0	80
STWD Archery, Gen Res + Youth	103	14	0	7	0	0	0	0	0	0	124
STWD Archery, LO/Ten	23	8	0	0	0	0	0	0	0	0	31
WTAO, Gen Res + Youth	0	569	20	20	20	0	0	0	0	0	629
Whitetail Either Sex + Youth, Draw	72	0	0	0	0	0	0	0	0	0	72
Muzzleloader + Youth, Draw	15	0	0	0	0	0	0	0	0	0	15
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	6	0	0	0	0	0	0	0	0	0	6
HOL Special	14	0	0	0	0	0	0	0	0	0	14
HOL NR Tenant	0	0	0	0	0	0	0	0	0	0	0
Archery + Youth, Draw	120	6	0	6	0	0	0	0	0	0	132
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	92	0	0	0	0	0	0	0	0	92
Resident	1204	848	35	60	20	0	0	0	0	0	2167
Nonresident	227	98	0	6	0	0	0	0	0	0	331
Total	1431	946	35	66	20	0	0	0	0	0	2498

Deer Management Unit 07

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	962	240	8	31	8	0	0	0	0	0	1249
Whitetail Either Sex, LO/Ten	278	87	0	16	0	0	0	0	0	0	381
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	53	44	0	0	0	0	0	0	0	0	97
STWD Archery, Gen Res + Youth	69	14	0	0	0	0	0	0	0	0	83
STWD Archery, LO/Ten	8	0	0	0	0	0	0	0	0	0	8
WTAO, Gen Res + Youth	0	884	6	32	19	0	0	0	0	0	941
Whitetail Either Sex + Youth, Draw	325	27	0	0	0	0	0	0	0	0	352
Muzzleloader + Youth, Draw	52	8	0	0	0	0	0	0	0	0	60
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	24	0	0	0	0	0	0	0	0	0	24
HOL Special	28	0	0	0	0	0	0	0	0	0	28
HOL NR Tenant	15	0	0	0	0	0	0	0	0	0	15
Archery + Youth, Draw	541	42	0	0	0	0	0	0	0	0	583
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	366	68	23	23	0	0	0	0	0	480
Resident	1370	1269	14	79	27	0	0	0	0	0	2759
Nonresident	985	443	68	23	23	0	0	0	0	0	1542
Total	2355	1712	82	102	50	0	0	0	0	0	4301

Deer Management Unit 08

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	1423	477	16	31	0	0	0	0	0	0	1947
Whitetail Either Sex, LO/Ten	397	127	0	0	0	0	0	0	0	0	524
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	18	9	9	0	0	0	0	0	0	0	36
STWD Archery, Gen Res + Youth	116	7	0	7	0	0	0	0	0	0	130
STWD Archery, LO/Ten	0	8	0	0	0	0	0	0	0	0	8
WTAO, Gen Res + Youth	0	775	26	26	6	0	0	0	0	0	833
Whitetail Either Sex + Youth, Draw	156	39	0	0	0	0	0	0	0	0	195
Muzzleloader + Youth, Draw	44	0	0	0	0	0	0	0	0	0	44
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	18	0	0	0	0	0	0	0	0	0	18
HOL Special	35	7	0	0	0	0	0	0	0	0	42
HOL NR Tenant	0	7	0	0	0	0	0	0	0	0	7
Archery + Youth, Draw	384	30	0	0	0	0	0	0	0	0	414
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	366	23	46	0	0	0	0	0	0	435
Resident	1954	1403	51	64	6	0	0	0	0	0	3478
Nonresident	637	449	23	46	0	0	0	0	0	0	1155
Total	2591	1852	74	110	6	0	0	0	0	0	4633

Deer Management Unit 10

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	2563	771	8	132	16	0	0	0	0	0	3490
Whitetail Either Sex, LO/Ten	413	143	8	0	8	0	0	0	0	0	572
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	141	44	0	9	0	0	0	0	0	0	194
STWD Archery, Gen Res + Youth	267	41	7	7	0	0	0	0	0	0	322
STWD Archery, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
WTAO, Gen Res + Youth	0	1401	19	65	84	0	0	0	0	0	1569
Whitetail Either Sex + Youth, Draw	111	13	0	7	0	0	0	0	0	0	131
Muzzleloader + Youth, Draw	37	0	0	0	0	0	0	0	0	0	37
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	12	6	0	0	0	0	0	0	0	0	18
HOL Special	21	0	0	0	0	0	0	0	0	0	21
HOL NR Tenant	7	0	0	0	0	0	0	0	0	0	7
Archery + Youth, Draw	258	12	0	6	0	0	0	0	0	0	276
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	229	23	0	0	0	0	0	0	0	252
Resident	3384	2400	42	213	108	0	0	0	0	0	6147
Nonresident	446	260	23	13	0	0	0	0	0	0	742
Total	3830	2660	65	226	108	0	0	0	0	0	6889

Deer Management Unit 11

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	3195	969	23	140	39	0	0	0	0	0	4366
Whitetail Either Sex, LO/Ten	888	344	0	16	0	0	0	0	0	0	1248
Muzzleloader, Gen Res + Youth	9	0	0	0	0	0	0	0	0	0	9
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	173	100	9	9	0	0	0	0	0	0	291
STWD Archery, Gen Res + Youth	279	50	0	0	0	0	0	0	0	0	329
STWD Archery, LO/Ten	62	8	0	0	0	0	0	0	0	0	70
WTAO, Gen Res + Youth	0	3161	45	175	130	0	0	0	0	0	3511
Whitetail Either Sex + Youth, Draw	416	40	0	0	0	0	0	0	0	0	456
Muzzleloader + Youth, Draw	81	0	0	0	0	0	0	0	0	0	81
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	122	12	0	6	0	0	0	0	0	0	140
HOL Special	49	35	0	0	0	0	0	0	0	0	84
HOL NR Tenant	15	0	0	0	0	0	0	0	0	0	15
Archery + Youth, Draw	904	123	0	0	0	0	0	0	0	0	1027
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	2082	23	23	23	0	0	0	0	0	2151
Resident	4606	4632	77	340	169	0	0	0	0	0	9824
Nonresident	1587	2292	23	29	23	0	0	0	0	0	3954
Total	6193	6924	100	369	192	0	0	0	0	0	13778

Deer Management Unit 12

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	1148	279	8	16	0	0	0	0	0	0	1451
Whitetail Either Sex, LO/Ten	389	103	0	0	16	0	0	0	0	0	508
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	97	9	0	9	0	0	0	0	0	0	115
STWD Archery, Gen Res + Youth	34	14	0	0	0	0	0	0	0	0	48
STWD Archery, LO/Ten	15	0	0	0	0	0	0	0	0	0	15
WTAO, Gen Res + Youth	0	1326	13	71	58	0	0	0	0	0	1468
Whitetail Either Sex + Youth, Draw	488	20	0	0	0	0	0	0	0	0	508
Muzzleloader + Youth, Draw	74	0	0	0	0	0	0	0	0	0	74
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	135	25	0	0	0	0	0	0	0	0	160
HOL Special	56	21	0	0	0	0	0	0	0	0	77
HOL NR Tenant	0	0	0	0	0	0	0	0	0	0	0
Archery + Youth, Draw	607	24	0	0	0	0	0	0	0	0	631
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	961	45	23	46	0	0	0	0	0	1075
Resident	1683	1731	21	96	74	0	0	0	0	0	3605
Nonresident	1360	1051	45	23	46	0	0	0	0	0	2525
Total	3043	2782	66	119	120	0	0	0	0	0	6130

Deer Management Unit 13

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	388	163	0	8	16	0	0	0	0	0	575
Whitetail Either Sex, LO/Ten	119	32	0	0	0	0	0	0	0	0	151
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	18	18	0	0	0	0	0	0	0	0	36
STWD Archery, Gen Res + Youth	14	0	0	0	0	0	0	0	0	0	14
STWD Archery, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
WTAO, Gen Res + Youth	0	365	13	6	26	0	0	0	0	0	410
Whitetail Either Sex + Youth, Draw	59	0	0	0	0	0	0	0	0	0	59
Muzzleloader + Youth, Draw	22	0	0	0	0	0	0	0	0	0	22
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	6	6	0	0	0	0	0	0	0	0	12
HOL Special	28	0	0	0	0	0	0	0	0	0	28
HOL NR Tenant	7	0	0	0	0	0	0	0	0	0	7
Archery + Youth, Draw	54	0	0	0	0	0	0	0	0	0	54
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	183	0	0	0	0	0	0	0	0	183
Resident	539	578	13	14	42	0	0	0	0	0	1186
Nonresident	176	189	0	0	0	0	0	0	0	0	365
Total	715	767	13	14	42	0	0	0	0	0	1551

Deer Management Unit 14

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	2361	763	16	78	8	0	0	0	0	0	3226
Whitetail Either Sex, LO/Ten	794	152	0	8	0	0	0	0	0	0	954
Muzzleloader, Gen Res + Youth	0	9	0	0	0	0	0	0	0	0	9
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	168	35	0	0	0	0	0	0	0	0	203
STWD Archery, Gen Res + Youth	158	20	0	0	0	0	0	0	0	0	178
STWD Archery, LO/Ten	39	0	0	0	0	0	0	0	0	0	39
WTAO, Gen Res + Youth	0	1926	39	129	116	0	0	0	0	0	2210
Whitetail Either Sex + Youth, Draw	319	13	7	0	0	0	0	0	0	0	339
Muzzleloader + Youth, Draw	111	0	0	0	0	0	0	0	0	0	111
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	67	25	0	0	6	0	0	0	0	0	98
HOL Special	42	0	0	0	0	0	0	0	0	0	42
HOL NR Tenant	7	15	0	0	0	0	0	0	0	0	22
Archery + Youth, Draw	565	54	0	0	0	0	0	0	0	0	619
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	607	191	0	0	0	0	0	0	0	798
Resident	3520	2905	55	215	124	0	0	0	0	0	6819
Nonresident	1111	714	198	0	6	0	0	0	0	0	2029
Total	4631	3619	253	215	130	0	0	0	0	0	8848

Deer Management Unit 15

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	1556	677	8	23	8	0	0	0	0	0	2272
Whitetail Either Sex, LO/Ten	437	87	0	16	0	0	0	0	0	0	540
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	115	9	0	0	9	0	0	0	0	0	133
STWD Archery, Gen Res + Youth	137	41	0	0	7	0	0	0	0	0	185
STWD Archery, LO/Ten	39	8	0	0	0	0	0	0	0	0	47
WTAO, Gen Res + Youth	0	1415	13	58	58	0	0	0	0	0	1544
Whitetail Either Sex + Youth, Draw	221	20	0	0	0	0	0	0	0	0	241
Muzzleloader + Youth, Draw	66	0	0	0	0	0	0	0	0	0	66
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	73	6	0	0	0	0	0	0	0	0	79
HOL Special	28	7	0	0	0	0	0	0	0	0	35
HOL NR Tenant	15	0	0	0	0	0	0	0	0	0	15
Archery + Youth, Draw	384	18	0	0	0	0	0	0	0	0	402
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	572	68	0	23	0	0	0	0	0	663
Resident	2284	2237	21	97	82	0	0	0	0	0	4721
Nonresident	787	623	68	0	23	0	0	0	0	0	1501
Total	3071	2860	89	97	105	0	0	0	0	0	6222

Deer Management Unit 16

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	512	178	0	8	8	0	0	0	0	0	706
Whitetail Either Sex, LO/Ten	132	66	0	0	0	0	0	0	0	0	198
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	62	18	0	0	0	9	0	0	0	0	89
STWD Archery, Gen Res + Youth	69	0	0	7	0	0	0	0	0	0	76
STWD Archery, LO/Ten	23	0	0	0	0	0	0	0	0	0	23
WTAO, Gen Res + Youth	0	601	7	33	0	0	0	0	0	0	641
Whitetail Either Sex + Youth, Draw	371	13	0	0	0	0	0	0	0	0	384
Muzzleloader + Youth, Draw	59	0	0	0	0	0	0	0	0	0	59
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	79	0	0	0	0	0	0	0	0	0	79
HOL Special	21	0	0	0	0	0	0	0	0	0	21
HOL NR Tenant	29	0	0	0	0	0	0	0	0	0	29
Archery + Youth, Draw	529	12	0	0	0	0	0	0	0	0	541
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	549	68	23	0	0	0	0	0	0	640
Resident	798	863	7	48	8	0	9	0	0	0	1733
Nonresident	1088	574	68	23	0	0	0	0	0	0	1753
Total	1886	1437	75	71	8	0	9	0	0	0	3486

Deer Management Unit 17

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	37	0	0	0	0	101	11	11	0	0	160
Any Deer, LO/Ten	5	0	0	0	0	10	5	0	0	0	20
Whitetail Either Sex, Gen Res + Youth	458	62	0	8	0	8	0	0	0	0	536
Whitetail Either Sex, LO/Ten	79	8	0	0	0	0	0	0	0	0	87
Muzzleloader, Gen Res + Youth	18	0	0	0	0	43	0	0	0	0	61
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	44	18	0	0	0	35	9	0	0	0	106
STWD Archery, Gen Res + Youth	92	28	0	14	0	112	0	0	0	0	246
STWD Archery, LO/Ten	23	0	0	0	0	8	0	0	0	0	31
WTAO, Gen Res + Youth	0	300	7	7	20	0	0	0	0	0	334
Whitetail Either Sex + Youth, Draw	150	0	0	0	0	0	0	0	0	0	150
Muzzleloader + Youth, Draw	52	8	0	0	0	8	0	0	0	0	68
Muzzleloader + Youth, ESES	0	5	0	0	0	9	0	0	0	0	14
HOL	18	0	0	0	0	0	0	0	0	0	18
HOL Special	0	0	0	0	0	14	0	0	0	0	14
HOL NR Tenant	0	0	0	0	0	0	0	0	0	0	0
Archery + Youth, Draw	60	0	0	0	0	0	0	0	0	0	60
Archery + Youth, ESES	11	0	0	0	0	12	0	0	0	0	23
WTAO	0	275	0	0	23	0	0	0	0	0	298
Resident	756	416	7	29	20	0	317	25	11	0	1581
Nonresident	291	288	0	0	23	0	43	0	0	0	645
Total	1047	704	7	29	43	0	360	25	11	0	2226

Deer Management Unit 18

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	21	5	0	0	0	16	11	0	0	0	53
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	186	31	0	0	0	0	0	0	0	0	217
Whitetail Either Sex, LO/Ten	24	8	0	0	0	0	0	0	0	0	32
Muzzleloader, Gen Res + Youth	0	0	0	0	0	35	9	0	0	0	44
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	9	0	0	0	0	9	0	0	0	0	18
STWD Archery, Gen Res + Youth	34	0	0	0	0	41	0	0	0	0	75
STWD Archery, LO/Ten	8	0	0	0	0	0	0	0	0	0	8
WTAO, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex + Youth, Draw	26	0	0	0	0	0	0	0	0	0	26
Muzzleloader + Youth, Draw	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	0	0	0	0	0	0	0	0	0	0	0
HOL Special	7	0	0	0	0	0	0	0	0	0	7
HOL NR Tenant	0	0	0	0	0	0	0	0	0	0	0
Archery + Youth, Draw	12	0	0	0	0	0	0	0	0	0	12
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	0	0	0	0	0	0	0	0	0	0
Resident	282	44	0	0	0	101	20	0	0	0	447
Nonresident	45	0	0	0	0	0	0	0	0	0	45
Total	327	44	0	0	0	101	20	0	0	0	492

Deer Management Unit 19^a

Permit Type	Whitetail					Mule Deer					Total Harvest
	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	Antlered Buck	Adult Doe	Shed Buck	Male Fawn	Female Fawn	
Any Deer, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Any Deer, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Whitetail Either Sex, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
HOL	0	0	0	0	0	0	0	0	0	0	0
STWD Archery, Gen Res + Youth	0	0	0	0	0	0	0	0	0	0	0
STWD Archery, LO/Ten	0	0	0	0	0	0	0	0	0	0	0
WTAO, Gen Res + Youth	0	263	6	45	26	0	0	0	0	0	340
Whitetail Either Sex + Youth, Draw	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader + Youth, Draw	0	0	0	0	0	0	0	0	0	0	0
Muzzleloader + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
HOL	0	0	0	0	0	0	0	0	0	0	0
HOL Special	0	0	0	0	0	0	0	0	0	0	0
HOL NR Tenant	0	0	0	0	0	0	0	0	0	0	0
Archery + Youth, Draw	0	0	0	0	0	0	0	0	0	0	0
Archery + Youth, ESES	0	0	0	0	0	0	0	0	0	0	0
WTAO	0	0	0	0	0	0	0	0	0	0	0
Resident	0	263	6	45	26	0	0	0	0	0	340
Nonresident	0	0	0	0	0	0	0	0	0	0	0
Total	0	263	6	45	26	0	0	0	0	0	340

^aDMU 19 deer harvest data only estimates antlerless deer harvested using a hunter's second to fifth antlerless permit. Antlered and antlerless deer harvested on an either sex permit or antlerless deer harvested on the first antlerless permit are estimated in the respective original DMU's harvest estimate, typically DMU 10, but also could be DMU 9, 11, or 14. This way the harvest estimate for DMU 19 reflects only the additional antlerless deer harvest DMU 19 was created to achieve.