



SMALL GAME HARVEST
SURVEY RESULTS
1997-98 THRU 2016-17

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TEXAS PARKS AND WILDLIFE DEPARTMENT
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EXECUTIVE SUMMARY

The small game harvest survey tracks hunter and harvest trends for 23 species and/or seasons of upland and migratory game animals. The survey was first run after the 1981-82 hunting season, and has been run every year since the 1986-87 hunting season.

A survey form (Appendix 1) was mailed to 20,000 random hunters on 21 February 2017. Non-respondents were sent a second mailing on 21 March 2017, and a third mailing on 20 April 2017. The survey was closed on 7 July 2017, at which time 6,400 surveys had been returned.

A demographic analysis of all license buyers was performed; the same analysis was done for survey respondents. 12 statistics were estimated for each species at 16 different analysis levels, as well as the 95% confidence intervals for the estimates. Selected results are placed in this report; the most recent report can be downloaded from our website at (<http://tpwd.texas.gov/publications/huntwild/hunt/>). For other results, or to have special analyses performed, contact Wildlife Technical Programs at hunt@tpwd.texas.gov.

Table 1. 2016-17 statewide small game harvest estimates.

Species	Hunters	Success rate	Hunter days	Days per hunter	Total Kill	Kill per hunter	Kill per day per hunter
Dove combined	463,139	82.30%	1,990,992	4.30	10,331,555	22.31	5.19
Dove Eurasian	463,139	16.70%	1,990,992	4.30	887,529	1.92	0.45
Dove mourning	463,139	72.20%	1,990,992	4.30	6,403,688	13.83	3.22
Dove white-tipped	463,139	4.70%	1,990,992	4.30	126,653	0.27	0.06
Dove white-winged	463,139	43.20%	1,990,992	4.30	2,913,685	6.29	1.46
Duck	94,469	87.10%	625,121	6.62	1,497,667	15.85	2.40
Gallinule	398	100.00%	1,132	2.84	2,075	5.21	1.83
Goose	23,651	75.90%	101,462	4.29	161,667	6.84	1.59
Pheasant	10,191	76.00%	17,706	1.74	28,378	2.79	1.60
Quail bobwhite	83,384	88.10%	430,606	5.16	1,480,253	17.75	3.44
Quail combined	91,524	88.00%	472,108	5.16	1,874,544	20.48	3.97
Quail scaled	29,799	84.50%	157,315	5.28	393,571	13.21	2.50
Rabbit	57,715	92.30%	400,509	6.94	538,959	9.34	1.35
Rail	404		809		0		
Snipe	1,982	52.90%	2,159	1.09	7,024	3.54	3.25
Squirrel	55,389	89.50%	473,070	8.54	474,314	8.56	1.00
Teal	32,672	85.60%	93,418	2.86	253,879	7.77	2.72
Turkey combined	91,934	53.50%	1,154,435	12.56	50,235	0.55	0.15
Turkey fall	57,902	52.90%	725,811	12.54	27,740	0.48	0.13
Turkey spring	55,225	44.10%	428,879	7.77	22,545	0.41	0.19
Woodcock	2,414	66.50%	6,235	2.58	7,515	3.11	1.21

SURVEY PURPOSE

The main purpose of the survey is to track hunter and harvest trends for 23 small game species and/or seasons at the statewide level. Estimates are also made for 13 other analysis types, as well as population and respondent demographics. Some combinations of analysis types can be run on request, as can custom geographic units, but are not generally performed. For each season and analysis type combination, estimates of 12 variables are calculated. Because the survey was designed with a statewide analysis in mind, the precision at other levels is not optimal, and the results may not be usable for some species and level combinations, including the statewide level for species with few hunters. For each species, the survey asks if the recipient hunted them, how many days were spent hunting, how many were harvested, and the county and month most hunted in. Demographics of license buyers and survey respondents are also analyzed.

HISTORY AND SURVEY CHANGES

Because changes in survey methodology and analysis are to be expected upon occasion, we request that the latest data be used for any reports or research as it will be the most accurate, and will also be the official data. Whenever changes are made to the analysis program, the estimates for all previous years are recalculated using the new program, and these new estimates published in the report.

The small game harvest survey was first run after the 1981-82 hunting season, and was repeated after the 1982-83 season. It was run in 1983-84, but many returned forms were lost and no analysis was conducted. The survey was not run in 1984-85 and 1985-86 due to budgetary reasons. It has been run each year since. Through 2007-08, 15,000 surveys were sent each year. Since then, 20,000 surveys have been sent out each year.

The survey started with mourning dove, bobwhite quail, scaled quail, rabbit, squirrel, and spring turkey. Fall turkey, pheasant, lesser prairie chicken, woodcock, snipe, rail, and gallinule were added in 1986-87, but the month question was discontinued at the same time. Sport and sale bobcat were added in 1990-91, and lesser prairie chicken was removed after the 1999-00 season. The month question was reinstated in 2000-01. The 2003-04 survey had prairie dog added, and sport and sale bobcat were replaced with a single combined bobcat category due to declining use of the separate categories. Bobcat, prairie dog, rabbit, and squirrel were removed in 2005-06, and white-winged dove, white-tipped dove, geese, duck, and September teal were added. Eurasian collared-dove was added in 2015-16. Rabbit and squirrel were reinstated in 2016-17, and the fall and spring season turkey harvest was partitioned into hen and gobbler harvest. In order to make room for rabbit and squirrel, the duck zone hunted most was removed. Starting with the 2016-17 season, turkey harvest is asked separately for hens and gobblers.

When the survey changed to a bird-only survey in 2005-06, several license types that did not allow bird hunting were excluded from the sample frame. This initially dropped the licensed population to 0.65 M, but it rose back to 0.95 M due to the increasing popularity of the super combo license. With the return of non-bird species for the 2016-17 season, the sample frame now exceeds 1.2 M.

After the 2004-05 season, the analysis was modified to check for legality of bag and day limits, month hunted, and quail range. A range check for white-tipped dove was added for the 2015-16 season. In 2004, an outside review found the county and ecoregion x month analysis to have low statistical power and recommended they be discontinued. These estimates are no longer distributed. The same review recommended that the transformation of certain variables no longer be done, and it was also discontinued. In part, this was so that TPWD and the U. S. Fish and Wildlife Service would be using similar methodologies.

SURVEY METHODOLOGY

The current mail survey (see Appendix 1) was developed by Small Game and Technical Programs staff. It is printed on the standard generic survey form used by the Wildlife Division. This is a two-fold, pressure-sealed,

postage-paid form with the return address printed on it. The sample frame was all 2016-17 hunting season license buyers through 21 February 2017 that had bought a license that qualified them to hunt any of the species of interest. Of the 1,207,670 that had bought a license by this date, 20,000 with a U. S. mailing address were randomly chosen to receive a survey. The 16,381 non-respondents were sent a second mailing on 21 March 2017. 14,456 non-respondents were sent a third mailing on 20 April 2017. Non-respondents were not contacted through other means. The survey was closed on 6 July 2017.

Technical Program staff entered the data from returned mail surveys using a custom data entry program written in Delphi XE6. All analysis was done using custom programs written in SAS Enterprise Guide 6.1. The data was stored in an MS-SQL 2008 database (server = tpwd-aav-sqlpro\wltech; database = Surveys; tables = SGSample, SGReturns).

ANALYSIS METHODOLOGY

A demographic analysis of the complete sample frame was run. Gender, age (distribution, mean, juvenile vs adult), location (TX county, state, and country, rural vs urban), license type purchased, and date of purchase were analyzed using Proc SurveyMeans and Proc Freq. The same analyses were run on survey respondents to check for differences in response rates and possible selection bias.

Harvest analysis was done using custom code. Data checks were made during analysis, not data entry. County and month are set to unknown if there is not a legal season in the reported county or month. If day or kill is greater than the maximum possible, they are reset to the maximum legal value. No analysis of the comments written on the surveys were made, but all such surveys were separated and given to Small Game staff to read.

Estimates, and the 95% confidence intervals on the estimates, were calculated for 16 analysis types, 19 species or seasons, and 12 statistics (Table 2). Note that many are not included in this report, but are available on request. Custom geographic regions, as well as other special requests, can be implemented easily. Please note that each statistic is calculated separately. This means, for example, that estimated days / estimated hunters may not give the same value as estimated days per hunter. If the sample size is small there may be noticeable differences; when the sample size is adequate it should be within rounding error.

Table 2. Small game harvest survey analyses.

Analysis types	Statewide, ecoregion, administrative region and district, month hunted most, dove zone, white-winged dove zone, turkey fall zone, turkey spring zone, dove zone x month, ecoregion x month, county, TX resident vs. non-resident, rural vs. urban, adult vs. youth, and hunter gender.
Species and/or seasons	Mourning, white-winged, white-tipped, Eurasian collared-dove, and combined dove; bobwhite, scaled quail, and combined quail; fall (hen, gobbler, combined), spring (hen, gobbler, combined), and combined turkey; ring-necked pheasant; woodcock; snipe; rail; gallinule; regular season goose; regular season duck; and September teal.
Statistics	Hunters, successful hunters, success rate, hunter days, successful hunter days, days per hunter, days per successful hunter, kill, kill per hunter, kill per successful hunter, kill per day per hunter, and kill per day per successful hunter.

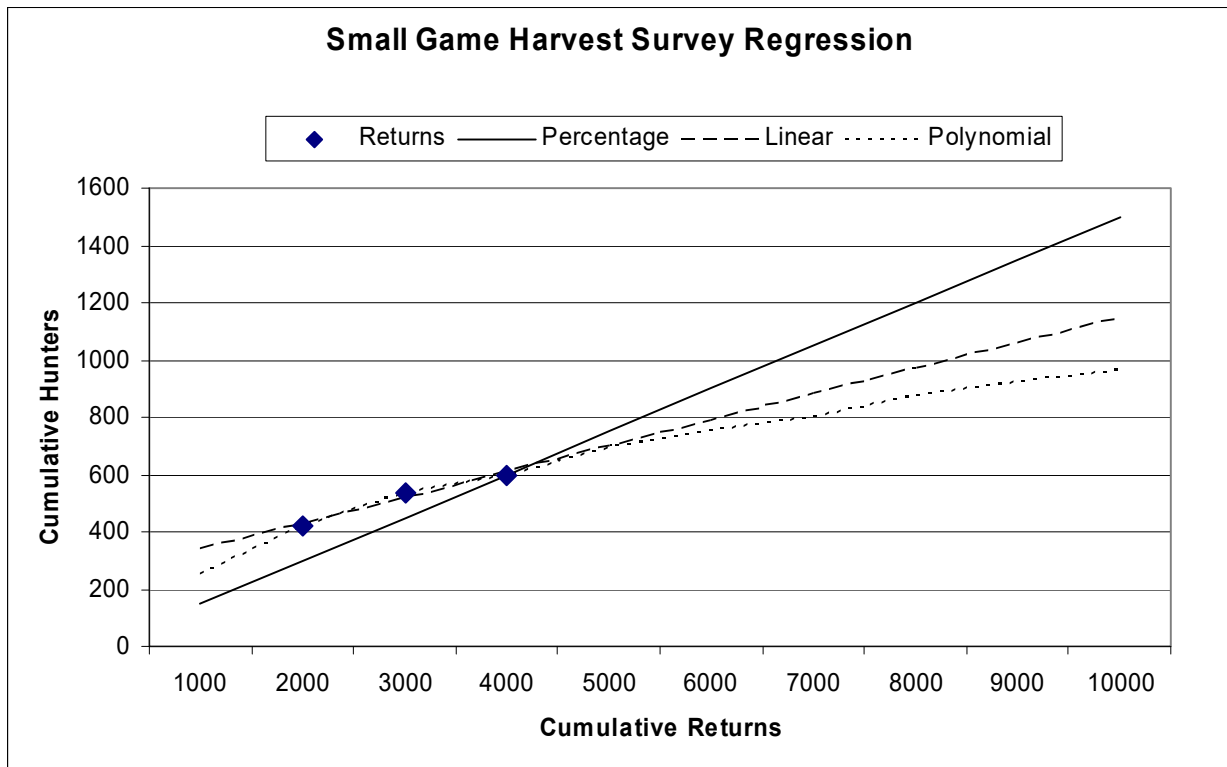
NON-RESPONSE BIAS CORRECTION

Analysis by mailing has shown that reported hunting rate, success rate, days, and kill decrease with each mailing. From looking at the response by mailing, it seems that this bias does not affect species which lack bag and season limits (at least for most of the state), and is consistently and significantly positive for other species. Analysis therefore accumulates by mailing and then runs a regression to get the estimated result

if all surveys had been returned. These regressions are species specific and therefore account for differences in the amount of bias between species, and between the estimates for hunters, kill, and hunter days.

In more detail, the variables are summed after each mailing, then the regression plots the cumulative total (y-axis) against the cumulative returned surveys (x-axis). Total number of surveys is known, so the regression predicts what the cumulative total would be if all surveys were returned. It is logical to assume that the relationship is a curved line that approaches an asymptote. However, fitting a curved line to only three data points is problematic: the fitted line would go through all three points each and every time and the robustness of the regression outcome would be severely undercut because a slight change of one value would drastically change the location of the predicted fourth point. A somewhat compromised strategy is adopted in trying to correct the non-response bias by fitting a straight line to the three data points. It should be pointed out that although the corrected estimate is theoretically brought closer to the true value, it is not an unbiased estimate of actual sample statistics, and there is no way of knowing how much it moved closer to the true value.

The graph below demonstrates the scenario described above. The three points are the accumulated totals after each mailing. Percentage does not correct for non-response bias. After 3 mailings 15% (600 / 4,000) were hunters, so 1,500 (15% x 10,000) of all surveys would be hunters. Linear shows the best fit linear regression through the points. Note that it does not go through the Y-axis at 0. While in reality it would have to, including it as a point in the regression creates a steeper slope, and thus higher estimate, than the percentage method. Using the linear method the estimate is 1,148 hunters. Polynomial shows one possible regression with a final value of 960 hunters. As one can see, the linear estimate has a positive bias, and therefore the overall estimates are still inflated to some degree. This is not to say that all estimates are overestimated, just that this method introduces some positive amount to the overall error.



ANALYSIS TYPE COMPUTATIONS

Statewide Estimates

After accumulating the total hunters, successful hunters, kills, days, and successful days for each mailing, linear regression is used to predict the totals if all surveys had been returned. The statewide estimate can then be calculated from the relationship below:

$$\frac{\text{Survey sample estimates}}{\text{Total surveys returned}} = \frac{\text{Statewide estimates}}{\text{Total licenses sold}}$$

Hunter confidence limits are determined from the binomial distribution, while day and kill confidence intervals are computed using normal statistics. Success rate is computed by dividing predicted successful hunters by predicted total hunters and its confidence interval is determined from the binomial distribution. Kill and day per hunter estimates are made by dividing the total predicted kill and days by predicted hunters. Their confidence intervals are computed using normal statistics. Kill per day estimates are computed by dividing the predicted total kill by the predicted total days. The confidence intervals are calculated using the variance of the ratio formula.

Because the estimates are based on per respondent statistics, confidence intervals may be much narrower than what would be expected if it were based on per hunter statistics given the small number of hunters for each species. This is especially true for subunit estimates because even if there were only a few hunters, there were several thousand respondents who did not hunt and so would have 0 entered for kills and days.

Analysis Type Subunit Estimates

The subunit estimates are a portion of the statewide estimate, based on the proportion of the state's hunters that hunted in each subunit. Thus, the sum of the hunters for the subunits should be equal to the statewide estimate. In actuality, many hunters hunt in more than one subunit. However, only the subunit and month most hunted in is reported and therefore each hunter is included in only one subunit. Hunters that did not report a county or month are distributed proportionally among the subunits. Variance for the hunter estimate confidence limits are calculated from the binomial distribution as if the estimate was made directly from the sample respondents for the subunit.

Subunit estimates of total kill are likewise a proportional allocation of the statewide estimates. Kill per hunter estimates are calculated by dividing the total kill estimate by the hunter estimate. The proportion used for allocation is based on the sum of the subunit kill and the sum of the state kill. The variances and confidence limits are calculated using normal statistics as if the estimates had been made directly from the sample data for the subunit.

Individual counties are placed into ecological regions based on deer distribution. If more than one ecological type appears in a county, the ecological type chosen is based on what the majority of deer habitat appears in. This may generate inaccuracies with species that occur primarily within the ecological type less used by deer.

The dove and duck zones are based on a survey question that asks what zone was hunted most. This is because these zones are defined by the highway system, and numerous counties lie within two zones. Turkey zone is based on the distribution of Eastern and Rio Grande turkeys; each county was arbitrarily assigned to a zone based on the known distribution of the species. The white-winged dove is based on the historic distribution of this species; counties are arbitrarily placed into the lower Rio Grande valley, upper Rio Grande valley, or remainder of the state.

SPECIAL SPECIES COMPUTATIONS

Dove

The survey had traditionally asked about mourning dove harvest, but it was felt that some hunters were giving the total dove (mourning, white-winged, and white-tipped) harvest instead. Rather than asking each separately, starting in 2005-06 we asked if they hunted any dove species. When Eurasian collared-doves were added in 2015-16, they were also considered in the group. Eurasian collared-dove and white-winged dove are spread across most of Texas, and a person can no longer know with certainty that they are only hunting mourning doves. For this reason, we calculate dove hunters, and use this value for each species. Likewise, the total days spent dove hunting, the month hunted most, and the county hunted most is the same for all species. Harvest, however, is asked for each species, and estimates are made for each separately, as well as combined dove harvest. This methodology has also been used for some time on the white-winged dove special season harvest survey, and its use here helps comparisons between the two.

Quail

If either bobwhite or scaled quail were hunted, combined quail were considered hunted. If one was marked as not hunted and the other unknown, then combined quail was considered not hunted. Combined quail kill is the sum of bobwhite kill and scaled quail kill. Combined quail hunter days is calculated by adding bobwhite hunter days and scaled quail hunter days if they were from different counties; if the counties were the same then it is equal to the greater of the bobwhite and scaled quail days. Combined quail county is set to the county of whichever species had the greatest hunter days. If hunter days were equal, then it is set to the bobwhite county. Month is determined in the same manner as county.

Turkey

Fall turkey harvest data was collected on both the big game and small game harvest surveys for many years. The estimates were highly correlated, but very different due to differences in respondent populations and survey methodology. It was felt that the big game survey more accurately estimated the fall turkey, so a correction factor was calculated and added to the small game turkey estimates for fall turkey, spring turkey, and combined turkey. These factors are:

Hunters: 0.854095
Days: 1.928142
Days / hunter: 2.257526
Kill: 0.548062
Kill / hunter: 0.641687
Kill / day: 0.284244

Hen and gobbler harvest is combined to get the fall and spring season harvest. Hunters are considered to have hunted both, not just one, even if they hunted in “gobbler-only” seasons. This is because the regulations state that only bearded turkey may be harvested, not that only gobblers are to be harvested. While rare, hens may have beards, and thus are legal. If either fall or spring turkey were hunted, combined turkey were considered hunted. If one was marked as not hunted and the other unknown, then combined turkey was considered not hunted. Combined turkey kill and days is the sum of fall and spring turkey kill and days. Combined turkey county is set to the county of whichever season had the greatest hunter days reported. If hunter days were equal, then it is set to the fall turkey county. Month is determined in the same manner as county.

KNOWN ISSUES

Post-Season Survey Bias

This survey is conducted as a post-season survey and as such is fraught with the usual problems of memory bias and prestige bias associated with post-season surveys. For species where the season bag limit is relatively large or the maximum possible hunter days per hunter is large, the kill data and the hunter day data has a

negative binomial distribution rather than a normal distribution and usually shows heaping bias (peaks at multiples of 100, 50, 20, 10, and 5). These problems cause some over-estimation of total hunters, but total kill and hunter day estimates may be nearly double actual total kill and hunter days.

Month and County Popularity

Many hunters actually hunt in more than one county and month. However, we only ask the county and month hunted most. This may cause a bias towards the more popular counties and months for each species.

Small Sample Size

The original sample size was chosen when the return rate was much higher, and was chosen for the statewide analysis, not for the various analysis types. Because the return rate has been dropping steadily, we are getting far fewer returns now. Also, so few people now hunt woodcock, snipe, rail, and gallinule that we often do not get enough returns to make a reasonable estimate for these species. If there are no hunters for an analysis subunit, then no report is made for it. However, if there is even one hunter the estimates are made and printed. Small sample sizes cause lack of accuracy and precision in the estimates, and estimates for these areas should be used with care.

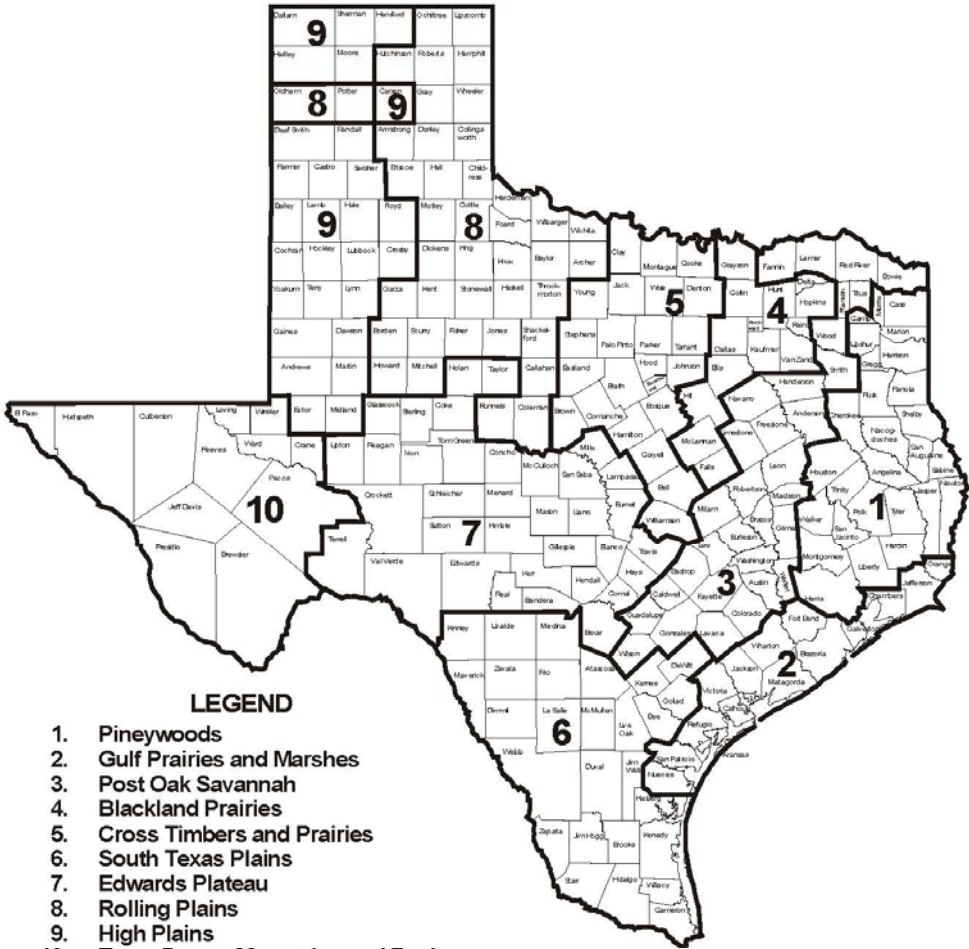
Incorrect County

Often respondents report hunting in a county for which the species is not legal game. Although this may be illegal hunting, it can also be memory error or incorrectly answered question. Usually this is due to the respondent reporting the county of residence instead of the county hunted. If the county is not legal for the species in question then the county is set to unknown for analysis purposes. Likewise, if it is outside the known range of the species, then it is set to unknown.

Non-normal Distribution

Analysis is based on per respondent estimates, not per hunter. This means that all non-hunters have 0 entered for the kill and day values. For most species, this causes a large number of responses with 0, and gives the data a negative binomial distribution. While this can be normalized using an arc hyperbolic sine transformation for hypothesis testing, doing the back-transformation to calculate estimates is considered questionable, although still common. Using the arc hyperbolic transform produces results similar to the use of medians, rather than the means. This can greatly reduce the effect from reported high day and harvest outliers. If hunters that hunted a high number of days or killed a high number of animals are more likely to respond to a survey, then use of the transformation will increase accuracy. However, if they are not more likely to respond, it will reduce accuracy. Transformations were used in the survey through the 2003-04 season, but then stopped, and all historic estimates recalculated without the transforms.

Ecological Areas of Texas



LEGEND

1. Pineywoods
2. Gulf Prairies and Marshes
3. Post Oak Savannah
4. Blackland Prairies
5. Cross Timbers and Prairies
6. South Texas Plains
7. Edwards Plateau
8. Rolling Plains
9. High Plains
10. Trans Pecos, Mountains and Basins



GAME BIRD HARVEST SURVEY

IMPORTANT! PLEASE REPLY

Dear Sportsman:

In order for Texas Parks and Wildlife Department to fulfill its responsibility of providing the best possible management of your wildlife resources, we are interested in hunting information that only you can provide. Please fill out and return this postage-paid form. It is essential that you reply, even if you did not hunt or kill any of the species listed below.

Thank You! Your cooperation in this important survey will materially assist Texas Parks and Wildlife Department in its efforts to properly manage and wisely use the wildlife resources throughout the state. As a result of applied management Texas sportsmen can boast of the largest population of deer, javelina, and wild turkey in the nation. With your support these and other wildlife resources in the state will continue to prosper.

For this survey to be successful it is essential that you:

- (1) Indicate **only your hunt information (not that of friends, relatives, etc.)**.
- (2) Respond **even** if you did not hunt any of the species listed below.
- (3) Indicate hunt information **even** if you did not kill any of the listed species.
- (4) Report hunt information **only** for the time period indicated and to the best of your memory.

Did you hunt doves during the previous season?	Total Kill				Total Days Hunted	County Hunted Most	Month Hunted Most
	Mourning Dove	White-winged Dove	White-tipped Dove	Eurasian Collared-Dove			
<input type="checkbox"/> Yes <input type="checkbox"/> No							

If you hunted dove during the previous season, which zone did you hunt most? (Check only one):
 ___ North Zone ___ Central Zone ___ South Zone ___ Special White-winged Area **00003**

Turkey Season	Did you hunt turkey during the previous year?		If yes, please fill in hunt information below:				
			Total Kill		Total Days Hunted	County Hunted Most	Month Hunted Most
			Hens	Jakes and Gobblers			
Fall season 2016	<input type="checkbox"/> Yes	<input type="checkbox"/> No					
Spring season 2016	<input type="checkbox"/> Yes	<input type="checkbox"/> No					

Species	Did you hunt this species during the previous season?		If yes, please fill in hunt information below:			
			Total Kill	Days hunted	County hunted most	Month hunted most
Rabbit	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Squirrel	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Bobwhite quail – DO NOT include pen raised birds	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Scaled (blue) quail – DO NOT include pen raised birds	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Pheasant	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Woodcock	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Snipe	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Rail	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Gallinule	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Goose – Do NOT include geese taken during the Special Conservation Order Season	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
September teal	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Duck	<input type="checkbox"/> Yes	<input type="checkbox"/> No				

00003

Please complete survey, fold so that postage-paid address is visible, moisten below, and seal. PWD LF W7000-719

Statewide dove harvest trends from the Texas small game harvest survey.

Year	Mourning Dove			White-winged Dove			White-tipped Dove			Eurasian Collared-Dove		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	8,670,511	8,098,625	9,242,398									
1998-99	9,610,652	9,073,186	10,148,11									
1999-00	9,902,507	9,277,337	10,527,67									
2000-01	9,713,075	9,003,781	10,422,36									
2001-02	9,834,160	9,173,915	10,494,40									
2002-03	9,794,500	9,092,214	10,496,78									
2003-04	9,367,824	8,701,244	10,034,40									
2004-05	8,592,989	7,949,252	9,236,726									
2005-06	6,086,094	5,691,713	6,480,474	1,667,476	1,479,893	1,855,060	97,462	55,617	139,307			
2006-07	5,459,276	5,088,910	5,829,642	1,400,371	1,221,916	1,578,826	84,659	66,039	103,280			
2007-08	5,711,007	5,224,476	6,197,538	1,828,467	1,571,084	2,085,850	126,065	79,308	172,822			
2008-09	4,879,269	4,605,587	5,152,951	1,488,246	1,343,789	1,632,702	131,107	96,792	165,422			
2009-10	6,339,206	5,933,563	6,744,850	2,347,293	2,080,243	2,614,343	187,494	136,768	238,221			
2010-11	5,475,456	5,129,238	5,821,674	2,148,090	1,949,398	2,346,782	158,120	120,606	195,633			
2011-12	5,833,975	5,454,670	6,213,279	2,052,534	1,833,292	2,271,777	135,535	100,828	170,242			
2012-13	6,198,321	5,823,096	6,573,545	2,511,942	2,298,960	2,724,924	163,418	121,569	205,268			
2013-14	7,109,110	6,638,825	7,579,395	3,056,800	2,788,474	3,325,125	156,776	112,370	201,181			
2014-15	7,636,593	7,140,365	8,132,820	3,014,420	2,758,732	3,270,108	195,084	155,481	234,687			
2015-16	6,958,500	6,489,510	7,427,489	3,056,167	2,783,433	3,328,901	148,844	110,246	187,442	781,253	608,665	953,841
2016-17	6,403,688	5,894,990	6,912,385	2,913,685	2,614,409	3,212,961	126,653	95,591	157,716	887,529	639,447	1,135,611

Statewide combined dove harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
2005-06	280,002	271,502	288,503	0.867	0.854	0.880	7,851,032	7,361,298	8,340,765	1,497,427	1,412,734	1,582,120
2006-07	273,384	264,750	282,018	0.857	0.844	0.871	6,944,306	6,487,782	7,400,830	1,390,455	1,304,728	1,476,183
2007-08	342,937	329,324	356,549	0.836	0.819	0.854	7,665,539	7,024,281	8,306,797	1,684,826	1,565,785	1,803,868
2008-09	258,456	251,735	265,177	0.871	0.860	0.882	6,514,794	6,152,364	6,877,224	1,394,728	1,325,295	1,464,162
2009-10	327,070	318,798	335,342	0.878	0.867	0.889	8,836,690	8,308,228	9,365,152	1,745,162	1,663,062	1,827,262
2010-11	316,955	308,586	325,324	0.867	0.856	0.879	7,781,666	7,323,554	8,239,777	1,620,563	1,541,127	1,699,998
2011-12	314,713	305,229	324,197	0.851	0.838	0.863	8,022,044	7,526,451	8,517,636	1,646,109	1,559,867	1,732,351
2012-13	359,612	349,450	369,774	0.882	0.870	0.893	8,873,681	8,372,041	9,375,322	1,749,641	1,662,257	1,837,024
2013-14	412,038	400,902	423,174	0.872	0.860	0.883	10,322,68	9,703,421	10,941,95	2,000,281	1,894,368	2,106,194
2014-15	416,056	404,912	427,201	0.875	0.864	0.887	10,846,09	10,219,39	11,472,79	2,062,440	1,956,207	2,168,674
2015-16	403,875	392,022	415,729	0.860	0.848	0.873	10,944,76	10,257,10	11,632,41	2,085,205	1,966,358	2,204,052
2016-17	463,139	448,762	477,515	0.823	0.809	0.837	10,331,55	9,563,959	11,099,15	1,990,992	1,862,294	2,119,689

Statewide bobwhite quail harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	111,481	105,466	117,495	0.810	0.791	0.828	2,009,557	1,717,645	2,301,469	523,818	468,618	579,018
1998-99	111,773	104,979	118,566	0.806	0.783	0.828	1,619,322	1,393,080	1,845,564	575,185	502,303	648,068
1999-00	118,169	110,424	125,914	0.793	0.766	0.819	1,838,942	1,491,490	2,186,393	510,844	444,279	577,409
2000-01	95,850	88,016	103,685	0.800	0.770	0.830	1,629,478	1,329,198	1,929,758	592,531	504,834	680,228
2001-02	80,944	73,009	88,879	0.797	0.762	0.832	1,195,219	978,061	1,412,377	403,496	336,001	470,990
2002-03	83,314	75,466	91,162	0.788	0.756	0.821	1,634,567	1,301,263	1,967,871	388,830	304,148	473,512
2003-04	107,026	98,962	115,090	0.849	0.821	0.876	1,664,292	1,423,998	1,904,586	432,034	372,065	492,003
2004-05	107,548	99,009	116,088	0.833	0.807	0.859	2,316,411	1,846,020	2,786,803	510,046	438,325	581,767
2005-06	93,119	86,999	99,238	0.874	0.854	0.895	1,947,898	1,456,675	2,439,121	408,477	359,591	457,364
2006-07	52,912	47,906	57,919	0.760	0.724	0.796	624,711	507,828	741,594	197,364	164,640	230,087
2007-08	93,654	85,168	102,141	0.821	0.787	0.855	1,540,587	1,251,781	1,829,394	400,414	333,130	467,698
2008-09	59,352	55,166	63,537	0.805	0.780	0.829	1,067,383	766,457	1,368,309	270,633	232,270	308,997
2009-10	48,417	44,292	52,543	0.795	0.759	0.830	584,663	493,506	675,820	221,373	191,250	251,495
2010-11	48,305	44,067	52,542	0.790	0.756	0.823	510,885	428,707	593,063	213,372	179,738	247,006
2011-12	29,813	26,099	33,528	0.691	0.636	0.746	257,766	207,480	308,052	110,626	87,265	133,987
2012-13	21,169	17,884	24,454	0.628	0.557	0.698	141,047	99,898	182,195	80,408	58,061	102,755
2013-14	32,537	28,216	36,859	0.738	0.687	0.790	220,696	164,486	276,907	109,524	79,440	139,608
2014-15	40,595	35,893	45,297	0.832	0.791	0.873	562,802	415,850	709,754	176,445	141,829	211,061
2015-16	59,882	53,757	66,007	0.864	0.835	0.892	944,619	743,132	1,146,107	229,160	184,326	273,995
2016-17	83,384	75,672	91,095	0.881	0.858	0.904	1,480,253	1,215,951	1,744,556	430,606	358,371	502,841

Statewide scaled quail harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	36,951	33,256	40,645	0.786	0.753	0.820	438,284	340,002	536,565	167,401	134,175	200,628
1998-99	37,275	33,222	41,328	0.765	0.721	0.810	372,876	276,835	468,917	191,741	153,990	229,493
1999-00	40,596	35,776	45,416	0.765	0.719	0.810	424,169	331,351	516,988	177,716	134,624	220,808
2000-01	25,954	21,293	30,615	0.758	0.695	0.821	248,702	179,591	317,814	150,490	99,328	201,653
2001-02	33,659	28,624	38,695	0.829	0.774	0.884	567,188	410,971	723,406	182,644	138,938	226,349
2002-03	28,063	23,431	32,695	0.769	0.713	0.826	307,377	170,209	444,544	106,243	64,870	147,615
2003-04	39,640	34,504	44,775	0.798	0.748	0.848	601,054	379,090	823,018	180,243	137,954	222,532
2004-05	46,579	40,826	52,332	0.786	0.741	0.830	666,890	468,281	865,498	210,956	164,564	257,349
2005-06	34,172	30,115	38,229	0.887	0.856	0.919	463,067	334,972	591,162	161,686	129,591	193,781
2006-07	23,012	19,692	26,332	0.766	0.710	0.822	553,536	298,885	808,186	100,065	73,529	126,600
2007-08	30,475	25,227	35,722	0.809	0.749	0.869	424,487	301,949	547,024	146,808	110,596	183,020
2008-09	18,441	15,963	20,918	0.756	0.706	0.806	174,523	135,241	213,805	81,327	64,728	97,925
2009-10	16,181	13,622	18,740	0.633	0.565	0.702	145,475	97,491	193,459	75,813	56,745	94,881
2010-11	16,626	14,015	19,238	0.742	0.681	0.803	163,414	120,697	206,132	79,168	60,048	98,288
2011-12	7,727	5,756	9,697	0.463	0.348	0.578	27,231	10,027	44,435	41,651	24,438	58,864
2012-13	8,232	6,171	10,293	0.625	0.512	0.738	53,830	31,526	76,134	24,849	16,502	33,196
2013-14	10,872	8,235	13,509	0.709	0.617	0.801	100,106	59,189	141,023	47,262	30,352	64,172
2014-15	16,217	13,234	19,201	0.804	0.732	0.875	121,460	54,513	188,407	66,164	38,269	94,059
2015-16	22,152	18,223	26,081	0.824	0.776	0.872	261,274	170,282	352,266	86,285	54,044	118,525
2016-17	29,799	24,893	34,705	0.845	0.797	0.894	393,571	282,818	504,324	157,315	114,195	200,435

Statewide combined quail harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	117,684	111,513	123,855	0.816	0.798	0.833	2,450,699	2,126,324	2,775,075	576,767	518,116	635,417
1998-99	120,733	113,711	127,756	0.821	0.800	0.842	1,993,608	1,720,862	2,266,354	634,456	558,527	710,386
1999-00	127,451	119,459	135,442	0.803	0.777	0.828	2,265,103	1,881,540	2,648,667	576,837	504,803	648,870
2000-01	101,637	93,548	109,726	0.806	0.777	0.835	1,879,268	1,555,093	2,203,442	629,513	538,756	720,270
2001-02	91,951	83,628	100,274	0.826	0.795	0.858	1,763,767	1,476,340	2,051,193	490,888	416,861	564,915
2002-03	95,964	87,710	104,218	0.798	0.768	0.827	1,944,118	1,573,080	2,315,156	439,076	352,582	525,571
2003-04	117,919	109,512	126,327	0.849	0.825	0.874	2,268,670	1,915,102	2,622,238	500,705	435,770	565,640
2004-05	121,087	112,130	130,045	0.847	0.824	0.871	2,986,302	2,447,597	3,525,008	598,339	521,377	675,300
2005-06	99,095	92,796	105,395	0.884	0.866	0.903	2,412,515	1,894,541	2,930,488	450,979	396,964	504,994
2006-07	61,088	55,803	66,374	0.786	0.754	0.818	1,179,283	893,406	1,465,160	240,670	203,899	277,441
2007-08	101,563	92,712	110,414	0.834	0.803	0.866	1,965,000	1,627,206	2,302,794	467,308	394,067	540,549
2008-09	65,215	60,863	69,567	0.822	0.800	0.845	1,242,292	936,826	1,547,759	302,449	262,364	342,533
2009-10	53,348	48,996	57,699	0.805	0.772	0.838	730,297	620,889	839,704	246,128	214,302	277,954
2010-11	53,874	49,411	58,337	0.804	0.773	0.835	674,573	572,776	776,370	234,835	200,367	269,302
2011-12	32,075	28,226	35,925	0.676	0.623	0.729	285,006	228,362	341,649	119,860	95,695	144,025
2012-13	25,289	21,725	28,853	0.659	0.596	0.723	194,891	144,093	245,689	93,857	70,473	117,241
2013-14	37,234	32,635	41,833	0.784	0.739	0.829	320,899	246,481	395,318	131,693	100,363	163,023
2014-15	45,764	40,823	50,706	0.853	0.815	0.891	684,342	515,215	853,468	195,746	157,869	233,622
2015-16	64,792	58,389	71,195	0.875	0.849	0.901	1,205,969	961,276	1,450,663	249,154	195,054	303,255
2016-17	91,524	83,467	99,581	0.880	0.858	0.903	1,874,544	1,558,215	2,190,874	472,108	397,706	546,511

Statewide fall turkey harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	91,598	86,511	96,684	0.299	0.271	0.326	26,971	23,658	30,284	1,282,734	1,145,999	1,419,470
1998-99	102,407	96,377	108,437	0.411	0.381	0.441	40,645	36,276	45,014	1,530,253	1,364,703	1,695,802
1999-00	112,647	105,722	119,572	0.337	0.305	0.369	36,625	32,153	41,096	1,408,972	1,230,448	1,587,496
2000-01	88,803	81,465	96,141	0.274	0.239	0.309	23,275	18,856	27,695	1,221,576	1,031,953	1,411,198
2001-02	101,965	94,343	109,586	0.382	0.344	0.420	35,398	30,163	40,634	1,434,281	1,245,124	1,623,438
2002-03	85,973	78,560	93,385	0.466	0.427	0.505	36,608	31,422	41,794	1,077,631	889,793	1,265,468
2003-04	93,805	86,590	101,021	0.396	0.359	0.434	35,753	30,594	40,912	1,189,785	1,033,130	1,346,440
2004-05	86,605	79,472	93,738	0.413	0.372	0.453	32,725	27,943	37,508	1,093,513	920,561	1,266,465
2005-06	68,399	63,502	73,295	0.431	0.393	0.468	26,143	22,856	29,429	857,442	750,749	964,135
2006-07	60,329	55,569	65,089	0.389	0.350	0.427	20,404	17,429	23,378	878,862	755,309	1,002,414
2007-08	75,224	68,212	82,237	0.392	0.346	0.438	25,982	21,198	30,767	936,149	792,933	1,079,364
2008-09	51,010	47,484	54,535	0.426	0.391	0.461	19,238	16,985	21,490	731,853	647,117	816,588
2009-10	57,581	53,483	61,680	0.352	0.316	0.387	16,541	14,331	18,751	726,607	645,891	807,323
2010-11	50,243	46,266	54,221	0.373	0.334	0.411	18,034	15,368	20,700	696,407	592,462	800,351
2011-12	47,463	43,144	51,782	0.349	0.308	0.390	14,927	12,387	17,468	555,291	466,302	644,281
2012-13	54,620	49,925	59,315	0.399	0.357	0.440	18,784	15,816	21,751	795,799	678,258	913,339
2013-14	55,694	50,613	60,776	0.389	0.344	0.433	19,086	15,980	22,193	751,591	636,688	866,495
2014-15	51,359	46,410	56,309	0.412	0.368	0.456	19,631	16,429	22,833	610,697	496,669	724,724
2015-16	56,037	50,652	61,421	0.469	0.425	0.513	23,853	20,209	27,496	745,221	603,392	887,050
2016-17	57,902	51,629	64,174	0.529	0.481	0.578	27,740	22,974	32,505	725,811	581,582	870,040

Statewide spring turkey harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	64,138	59,852	68,424	0.359	0.325	0.393	19,856	17,141	22,571	419,038	373,642	464,433
1998-99	67,639	62,517	72,760	0.391	0.354	0.428	23,792	20,311	27,274	473,137	416,746	529,528
1999-00	68,952	63,289	74,614	0.389	0.346	0.431	25,185	21,239	29,132	448,260	384,609	511,911
2000-01	59,551	53,523	65,579	0.410	0.364	0.456	22,014	18,061	25,967	420,141	347,692	492,590
2001-02	73,261	66,622	79,900	0.411	0.366	0.457	27,632	23,006	32,257	488,867	420,850	556,885
2002-03	65,818	59,461	72,175	0.436	0.390	0.482	28,945	24,146	33,744	495,048	418,889	571,206
2003-04	65,018	58,830	71,206	0.465	0.420	0.511	27,236	22,549	31,923	502,041	420,848	583,235
2004-05	71,965	65,404	78,526	0.452	0.407	0.497	31,023	25,817	36,229	460,519	388,383	532,656
2005-06	61,637	56,920	66,353	0.466	0.426	0.505	26,810	23,030	30,590	480,368	424,530	536,206
2006-07	52,505	47,925	57,086	0.463	0.422	0.505	23,116	19,625	26,606	374,982	324,361	425,604
2007-08	62,056	55,432	68,680	0.413	0.363	0.463	25,064	20,354	29,773	505,955	428,896	583,013
2008-09	46,644	43,231	50,057	0.445	0.408	0.481	19,590	17,091	22,088	379,980	338,877	421,083
2009-10	56,978	52,897	61,059	0.401	0.364	0.438	20,601	17,785	23,417	429,472	384,860	474,083
2010-11	43,456	39,644	47,267	0.407	0.367	0.448	15,907	13,306	18,509	345,258	299,350	391,166
2011-12	41,594	37,466	45,722	0.342	0.298	0.386	12,033	9,525	14,541	300,017	253,284	346,749
2012-13	46,976	42,666	51,287	0.468	0.423	0.514	20,522	17,358	23,686	365,738	315,330	416,146
2013-14	56,314	51,237	61,391	0.375	0.331	0.420	19,966	16,330	23,601	431,034	378,089	483,980
2014-15	56,433	51,414	61,451	0.422	0.378	0.466	22,340	18,757	25,924	414,449	355,907	472,991
2015-16	51,800	46,658	56,942	0.493	0.446	0.540	23,281	19,622	26,940	399,348	344,066	454,630
2016-17	55,225	49,136	61,315	0.441	0.390	0.491	22,545	18,284	26,806	428,879	362,990	494,769

Statewide combined turkey harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	115,424	109,847	121,001	0.364	0.339	0.389	45,992	41,428	50,556	1,707,445	1,549,451	1,865,438
1998-99	132,322	125,620	139,024	0.452	0.426	0.479	63,768	57,811	69,725	2,018,362	1,827,128	2,209,596
1999-00	142,434	134,805	150,063	0.393	0.364	0.423	60,130	53,880	66,381	1,872,387	1,654,934	2,089,840
2000-01	121,527	113,333	129,720	0.359	0.328	0.391	45,001	38,591	51,410	1,648,716	1,425,872	1,871,559
2001-02	138,719	130,075	147,362	0.437	0.404	0.470	63,115	55,593	70,638	1,933,718	1,716,345	2,151,091
2002-03	124,081	115,620	132,542	0.486	0.453	0.519	65,189	57,671	72,707	1,579,741	1,356,653	1,802,829
2003-04	127,237	119,093	135,382	0.463	0.430	0.496	62,903	55,388	70,419	1,700,105	1,498,710	1,901,501
2004-05	128,226	119,895	136,558	0.464	0.430	0.497	63,658	56,167	71,149	1,562,999	1,351,854	1,774,144
2005-06	99,033	93,295	104,771	0.503	0.472	0.535	52,452	47,095	57,808	1,344,377	1,210,846	1,477,908
2006-07	87,599	82,010	93,187	0.475	0.443	0.508	43,339	38,430	48,248	1,258,817	1,109,787	1,407,846
2007-08	111,804	103,402	120,206	0.439	0.401	0.476	50,541	43,582	57,501	1,449,431	1,267,834	1,631,027
2008-09	76,142	71,930	80,353	0.479	0.450	0.508	37,828	34,242	41,414	1,116,956	1,011,097	1,222,814
2009-10	90,597	85,618	95,577	0.417	0.388	0.447	37,170	33,306	41,034	1,161,329	1,056,558	1,266,101
2010-11	73,573	68,791	78,354	0.443	0.411	0.474	33,584	29,697	37,471	1,045,733	918,832	1,172,634
2011-12	70,236	65,029	75,444	0.390	0.356	0.424	26,914	23,099	30,730	857,900	744,346	971,454
2012-13	81,672	76,099	87,244	0.476	0.442	0.511	39,068	34,535	43,601	1,167,264	1,017,953	1,316,575
2013-14	89,437	83,206	95,668	0.426	0.390	0.461	38,908	33,776	44,040	1,187,108	1,047,610	1,326,606
2014-15	85,910	79,764	92,057	0.473	0.438	0.509	42,025	36,939	47,112	1,028,208	885,532	1,170,884
2015-16	86,326	79,822	92,829	0.523	0.487	0.559	47,003	41,550	52,457	1,146,080	979,745	1,312,414
2016-17	91,934	84,237	99,631	0.535	0.496	0.573	50,235	43,463	57,006	1,154,435	979,049	1,329,821

Statewide pheasant harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	24,311	21,412	27,210	0.726	0.676	0.775	64,643	51,263	78,024	54,781	45,295	64,268
1998-99	24,116	20,732	27,501	0.757	0.705	0.809	67,937	51,533	84,340	44,874	34,726	55,021
1999-00	26,547	22,718	30,376	0.734	0.673	0.795	80,584	61,222	99,946	63,303	48,915	77,692
2000-01	28,140	23,813	32,468	0.754	0.690	0.818	93,011	70,100	115,923	82,094	64,573	99,614
2001-02	28,049	23,508	32,590	0.725	0.658	0.792	86,650	62,728	110,573	62,466	48,424	76,509
2002-03	24,049	20,006	28,091	0.697	0.620	0.775	57,522	40,830	74,214	46,693	35,749	57,637
2003-04	25,125	21,014	29,237	0.708	0.640	0.776	65,990	48,676	83,304	61,863	47,740	75,987
2004-05	23,283	19,302	27,265	0.669	0.593	0.746	59,223	37,819	80,628	62,938	43,889	81,986
2005-06	20,241	17,143	23,339	0.901	0.866	0.935	72,418	57,804	87,032	45,362	35,958	54,767
2006-07	18,407	15,368	21,446	0.763	0.709	0.816	48,983	35,427	62,539	34,930	27,044	42,816
2007-08	28,550	23,660	33,441	0.749	0.683	0.816	86,592	56,890	116,293	68,544	51,004	86,083
2008-09	20,507	18,043	22,971	0.780	0.734	0.825	99,206	68,575	129,838	71,960	51,540	92,381
2009-10	19,582	16,816	22,348	0.695	0.639	0.750	56,852	44,387	69,317	44,887	36,976	52,798
2010-11	20,757	17,943	23,571	0.757	0.705	0.809	61,490	48,454	74,526	50,116	39,443	60,788
2011-12	11,976	9,672	14,280	0.697	0.614	0.780	30,607	18,564	42,651	20,831	9,658	32,004
2012-13	10,345	8,216	12,474	0.683	0.582	0.784	26,067	18,980	33,155	19,404	14,031	24,776
2013-14	7,685	5,644	9,726	0.718	0.594	0.842	18,686	7,423	29,948	15,179	8,344	22,013
2014-15	7,478	5,499	9,457	0.740	0.621	0.860	25,963	13,099	38,827	17,377	9,969	24,785
2015-16	10,589	8,137	13,040	0.795	0.699	0.892	42,104	27,657	56,550	18,740	12,762	24,717
2016-17	10,191	7,363	13,019	0.760	0.655	0.864	28,378	14,873	41,883	17,706	9,743	25,670

Statewide goose harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
2005-06	23,267	19,912	26,621	0.820	0.773	0.866	212,619	114,514	310,723	105,973	77,742	134,204
2006-07	26,879	23,201	30,557	0.847	0.805	0.889	265,432	179,536	351,329	125,150	94,446	155,853
2007-08	26,019	21,223	30,816	0.789	0.726	0.852	238,726	117,871	359,582	121,488	57,250	185,726
2008-09	17,937	15,509	20,366	0.800	0.752	0.848	214,769	25,344	404,194	74,174	50,015	98,332
2009-10	18,501	15,898	21,104	0.709	0.651	0.768	153,907	90,636	217,179	79,959	57,973	101,946
2010-11	17,432	14,763	20,100	0.732	0.672	0.791	120,419	78,135	162,704	79,335	58,008	100,663
2011-12	20,402	17,295	23,509	0.815	0.760	0.871	140,258	96,485	184,031	83,160	59,907	106,412
2012-13	23,619	20,268	26,970	0.774	0.717	0.832	170,878	126,858	214,898	94,626	69,186	120,067
2013-14	23,433	19,674	27,192	0.792	0.738	0.846	107,928	77,576	138,280	108,386	73,677	143,096
2014-15	20,140	16,709	23,572	0.810	0.747	0.873	120,026	71,446	168,606	76,297	51,897	100,697
2015-16	14,485	11,223	17,747	0.774	0.696	0.853	69,231	37,623	100,839	51,184	25,296	77,071
2016-17	23,651	19,461	27,842	0.759	0.689	0.829	161,667	98,648	224,686	101,462	59,960	142,964

Statewide teal harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
2005-06	15,224	12,555	17,893	0.870	0.814	0.926	104,243	79,048	129,437	38,403	29,273	47,533
2006-07	16,274	13,277	19,270	0.830	0.779	0.882	115,009	86,776	143,242	49,229	37,916	60,542
2007-08	25,437	20,737	30,137	0.796	0.737	0.854	154,879	107,895	201,863	73,419	53,910	92,928
2008-09	13,261	11,219	15,303	0.805	0.751	0.860	81,480	60,025	102,935	35,185	27,116	43,254
2009-10	17,908	15,130	20,685	0.795	0.749	0.842	136,573	103,756	169,391	50,850	40,246	61,454
2010-11	18,929	16,163	21,696	0.840	0.794	0.885	157,746	122,535	192,956	60,555	48,088	73,022
2011-12	22,330	19,169	25,490	0.779	0.728	0.830	177,780	135,643	219,917	70,232	54,997	85,466
2012-13	32,153	28,339	35,967	0.877	0.840	0.914	266,673	220,165	313,181	98,390	82,240	114,541
2013-14	33,861	29,500	38,222	0.777	0.734	0.821	297,233	235,081	359,384	117,760	97,718	137,802
2014-15	32,314	28,006	36,622	0.800	0.754	0.846	273,437	208,843	338,030	94,410	76,604	112,217
2015-16	26,083	21,951	30,215	0.841	0.789	0.892	203,798	154,678	252,918	80,629	64,051	97,207
2016-17	32,672	27,793	37,551	0.856	0.809	0.904	253,879	196,341	311,418	93,418	74,749	112,087

Statewide duck harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
2005-06	62,901	57,707	68,095	0.865	0.838	0.891	982,958	805,080	1,160,836	380,950	326,934	434,965
2006-07	67,505	62,035	72,975	0.876	0.853	0.900	731,757	626,831	836,684	357,111	306,356	407,866
2007-08	84,047	76,110	91,984	0.830	0.796	0.865	935,766	752,917	1,118,615	512,316	425,978	598,653
2008-09	55,296	51,237	59,355	0.845	0.821	0.868	629,895	521,800	737,990	306,903	266,694	347,112
2009-10	68,853	63,874	73,833	0.804	0.778	0.831	827,421	690,025	964,818	363,976	318,600	409,353
2010-11	72,068	67,028	77,108	0.840	0.817	0.862	979,295	834,348	1,124,242	380,772	334,003	427,541
2011-12	80,600	74,763	86,438	0.850	0.826	0.875	1,196,247	1,014,303	1,378,190	481,188	419,122	543,254
2012-13	95,406	89,041	101,772	0.852	0.829	0.874	1,408,186	1,198,677	1,617,696	540,846	475,142	606,550
2013-14	100,727	93,452	108,003	0.822	0.801	0.844	1,555,827	1,339,603	1,772,050	603,723	529,332	678,115
2014-15	108,366	101,119	115,613	0.797	0.773	0.822	1,531,116	1,290,090	1,772,142	579,954	506,783	653,125
2015-16	99,672	92,242	107,103	0.854	0.829	0.880	1,177,738	951,485	1,403,990	532,049	461,943	602,154
2016-17	94,469	85,941	102,997	0.871	0.845	0.897	1,497,667	1,243,327	1,752,008	625,121	535,410	714,832

Statewide woodcock harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	1,422	720	2,125	0.567	0.291	0.844	2,486	40	5,407	2,852	293	5,412
1998-99	1,575	671	2,479	0.748	0.540	0.956	8,502	82	18,356	3,588	537	6,640
1999-00	1,737	564	2,909	0.755	0.508	1.000	4,829	46	9,710	12,917	1,816	24,018
2000-01	1,006	113	1,899	0.075	0.000	0.466	227	3	1,240	11,546	1,239	21,853
2001-02	1,154	175	2,133	0.869	0.451	1.000	3,511	34	11,504	4,693	29	9,618
2002-03	1,701	763	2,639	0.377	0.000	0.872	4,619	622	8,617	8,374	2,439	14,309
2003-04	2,255	1,028	3,481	0.287	0.000	0.638	2,310	20	5,915	3,256	387	6,126
2004-05	1,922	751	3,092	0.316	0.000	0.698	4,110	39	11,359	3,275	24	7,114
2005-06	1,040	280	1,800	0.858	0.559	1.000	3,060	560	5,560	3,620	452	6,788
2006-07	634	111	1,158	1.000	10000	1.000	6,026	1,774	10,277	1,313	96	2,529
2007-08	754	6	1,736	0.685	0.000	1.000	5,241	31	12,696	1,745	15	5,446
2008-09	230	4	536	1.000	10000	1.000	427	7	979	197	3	462
2009-10	456	7	945	0.812	0.394	1.000	756	14	2,236	1,169	20	3,246
2010-11	863	241	1,484	0.684	0.384	0.983	2,341	28	4,726	2,242	38	7,029
2011-12	1,037	403	1,671	0.545	0.127	0.963	1,411	13	2,811	1,934	769	3,100
2012-13	540	58	1,021	0.000	*	*	0	*	*	438	9	2,191
2013-14	1,458	434	2,482	0.900	0.663	1.000	4,660	1,467	7,853	3,871	334	7,409
2014-15	1,346	450	2,242	0.482	0.124	0.839	3,449	40	6,859	2,634	69	5,200
2015-16	847	126	1,569	0.938	0.547	1.000	1,480	13	3,743	1,370	16	4,431
2016-17	2,414	1,368	3,459	0.665	0.303	1.000	7,515	838	14,193	6,235	2,866	9,604

Statewide snipe harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	3,502	2,434	4,569	0.782	0.674	0.890	20,615	8,915	32,316	11,077	4,220	17,934
1998-99	2,742	1,590	3,894	0.715	0.556	0.874	25,717	385	84,231	9,003	4,029	13,976
1999-00	3,123	1,620	4,627	0.909	0.785	1.000	14,090	4,597	23,582	14,868	6,344	23,392
2000-01	2,416	834	3,997	0.730	0.563	0.897	14,020	179	37,401	6,123	71	14,897
2001-02	3,030	1,419	4,641	0.875	0.663	1.000	44,706	17,581	71,832	12,272	78	24,695
2002-03	4,923	3,226	6,621	0.671	0.485	0.856	49,675	23,919	75,431	24,405	13,100	35,710
2003-04	2,466	1,106	3,826	0.766	0.529	1.000	7,878	943	14,814	6,437	62	17,519
2004-05	2,096	730	3,463	0.927	0.739	1.000	12,733	5,218	20,249	4,586	246	8,926
2005-06	2,369	1,398	3,341	0.776	0.570	0.983	33,927	13,845	54,010	9,794	5,097	14,491
2006-07	1,711	748	2,675	0.849	0.720	0.978	9,724	127	21,543	5,747	1,756	9,738
2007-08	1,315	12	2,703	0.819	0.605	1.000	40,883	6,311	75,455	7,857	44	16,003
2008-09	781	229	1,333	0.754	0.579	0.930	3,542	89	10,013	2,273	51	7,086
2009-10	1,688	997	2,380	0.429	0.127	0.730	14,841	4,137	25,545	9,241	3,377	15,105
2010-11	1,811	875	2,746	0.954	0.870	1.000	12,661	1,546	23,777	3,663	1,471	5,854
2011-12	1,790	814	2,766	0.417	0.194	0.639	3,496	63	9,348	2,018	28	4,193
2012-13	1,076	114	2,038	0.910	0.733	1.000	9,013	118	19,139	2,249	34	4,582
2013-14	2,117	956	3,277	0.908	0.712	1.000	12,387	5,719	19,054	9,822	3,936	15,707
2014-15	1,581	435	2,727	0.522	0.288	0.756	7,308	101	19,588	3,938	47	9,757
2015-16	1,376	400	2,352	0.962	0.769	1.000	8,277	1,731	14,822	3,762	535	6,988
2016-17	1,982	702	3,262	0.529	0.230	0.828	7,024	264	13,783	2,159	17	4,469

Statewide rail harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	715	188	1,242	0.465	0.000	0.960	1,065	135	1,996	1,565	136	2,994
1998-99	507	7	1,106	0.668	0.211	1.000	1,741	29	6,545	1,068	17	2,863
1999-00	628	6	1,325	0.452	0.000	0.949	1,562	22	5,119	1,065	15	3,464
2000-01	731	7	1,625	0.690	0.232	1.000	1,286	9	2,834	580	5	1,335
2001-02	545	4	1,285	0.278	0.000	1.000	1,288	17	6,589	303	4	1,351
2002-03	404	2	906	0.193	*	*	312	4	1,730	3,577	14	7,397
2003-04	141	2	622	0.000	*	*	0	*	*	984	14	4,652
2004-05	377	2	877	1.000	*	*	1,220	13	5,474	1,144	12	5,046
2005-06	49	1	278	*	*	*	98	2	557	98	2	557
2006-07	210	1	444	*	*	*	0	*	*	210	1	444
2007-08	238	3	933	0.333	*	*	79	1	481	79	1	481
2008-09	33	1	187	*	*	*	267	8	1,493	67	2	373
2009-10	241	2	503	0.178	*	*	1,073	25	5,699	1,517	108	2,926
2010-11	83	2	348	0.500	*	*	166	4	916	125	3	544
2011-12	47	1	271	*	*	*	512	11	2,979	93	2	542
2012-13	49	1	289	*	*	*	146	3	868	49	1	289
2013-14	760	148	1,373	0.532	0.000	1.000	453	4	1,124	454	4	1,125
2014-15	279	8	549	*	*	*	0	*	*	836	25	1,647
2015-16	0	*	*	*	*	*	0	*	*	0	*	*
2016-17	404	34	774	*	*	*	0	*	*	809	69	1,548

Statewide gallinule harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	765	238	1,292	0.250	0.000	0.668	524	5	1,158	1,007	11	2,077
1998-99	506	54	958	0.222	0.000	1.000	1,178	21	5,708	1,184	12	2,684
1999-00	617	124	1,110	0.442	0.000	1.000	3,820	14	7,806	4,863	990	8,735
2000-01	151	2	629	0.000	*	*	0	*	*	151	2	629
2001-02	781	140	1,422	0.504	*	*	1,740	7	3,734	953	3	2,064
2002-03	638	5	1,431	0.488	0.000	0.985	857	11	3,288	4,434	25	9,659
2003-04	437	3	1,026	0.839	0.000	1.000	1,998	22	8,843	1,406	20	6,222
2004-05	469	2	968	1.000	*	*	852	7	3,001	8,762	522	17,001
2005-06	49	1	278	*	*	*	0	*	*	0	*	*
2006-07	100	2	431	*	*	*	199	4	1,136	299	6	1,704
2007-08	158	2	726	0.000	*	*	0	*	*	317	4	1,452
2008-09	197	3	462	0.170	0.000	1.000	267	8	1,493	360	5	912
2009-10	129	3	449	0.667	0.000	1.000	472	11	2,053	343	8	1,422
2010-11	83	2	348	1.000	*	*	166	4	759	166	4	696
2011-12	47	1	271	*	*	*	279	6	1,625	47	1	271
2012-13	97	2	438	1.000	*	*	1,994	41	11,628	243	5	1,447
2013-14	49	1	323	*	*	*	0	*	*	0	*	*
2014-15	279	8	549	*	*	*	0	*	*	0	*	*
2015-16	371	2	788	0.000	*	*	0	*	*	1,051	15	5,185
2016-17	398	2	921	1.000	*	*	2,075	7	4,325	1,132	5	2,465

Statewide rabbit harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	68,653	63,988	73,318	0.806	0.782	0.830	439,177	360,459	517,895	413,961	273,539	554,384
1998-99	81,679	75,928	87,430	0.876	0.855	0.896	715,109	575,497	854,720	480,119	400,808	559,431
1999-00	75,365	69,080	81,650	0.821	0.791	0.850	711,445	399,283	1,023,608	458,714	327,950	589,478
2000-01	66,465	59,898	73,032	0.798	0.761	0.834	464,174	316,059	612,290	467,509	278,686	656,332
2001-02	52,542	46,297	58,788	0.815	0.777	0.852	461,400	300,598	622,202	279,503	196,555	362,450
2002-03	63,207	56,569	69,845	0.856	0.829	0.883	484,243	265,809	702,677	351,667	228,356	474,978
2003-04	67,931	61,209	74,653	0.815	0.782	0.848	586,131	393,527	778,734	375,965	270,167	481,762
2004-05	66,608	60,039	73,177	0.883	0.854	0.912	582,559	465,341	699,777	361,888	213,170	510,607
2016-17	57,715	51,285	64,146	0.923	0.896	0.950	538,959	279,427	798,491	400,509	252,723	548,295

Statewide squirrel harvest trends from the Texas small game harvest survey.

Year	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1997-98	91,902	86,588	97,215	0.831	0.810	0.851	996,282	879,965	1,112,598	577,776	468,186	687,366
1998-99	102,180	95,674	108,685	0.881	0.862	0.899	1,113,570	974,987	1,252,153	627,975	514,255	741,696
1999-00	105,778	98,495	113,061	0.820	0.795	0.845	1,057,407	879,406	1,235,409	517,443	390,523	644,362
2000-01	80,102	72,825	87,379	0.813	0.783	0.844	702,527	586,235	818,820	371,231	230,420	512,042
2001-02	69,155	62,247	76,062	0.757	0.718	0.795	571,287	434,205	708,369	399,110	299,386	498,835
2002-03	77,687	70,315	85,059	0.804	0.774	0.834	747,717	625,068	870,365	425,070	270,657	579,482
2003-04	71,313	64,461	78,164	0.839	0.807	0.871	709,442	538,235	880,648	439,562	243,379	635,745
2004-05	70,762	63,905	77,619	0.862	0.829	0.895	663,037	556,082	769,992	574,504	370,101	778,907
2016-17	55,389	49,075	61,703	0.895	0.863	0.927	474,314	371,810	576,817	473,070	206,492	739,647

Ecoregion dove harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Mourning Dove			White-winged Dove			White-tipped Dove			Eurasian Collared-Dove		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	318,817	213,824	423,810	88,476	52,326	124,626				10,641	3,957	17,324
Cross Timbers	869,684	700,282	1,039,086	283,124	201,228	365,020				74,833	30,492	119,173
Edwards Plateau	969,029	786,937	1,151,122	609,805	477,179	742,431				105,708	52,658	158,758
Gulf Prairies	211,998	143,912	280,084	167,230	93,446	241,014	14,684	10,735	18,634	32,619	6,757	58,482
High Plains	501,650	292,573	710,727	149,534	67,238	231,831				193,973	98,138	289,807
Pineywoods	147,469	76,499	218,439	22,168	2,675	41,661				7,326	44	15,084
Post Oak	433,475	324,362	542,588	212,926	139,705	286,147				39,597	15,746	63,448
Rolling Plains	1,003,664	817,698	1,189,629	150,701	98,714	202,688				137,804	54,270	221,339
South Texas	1,890,482	1,582,396	2,198,569	1,199,581	989,415	1,409,747	111,969	97,312	126,625	239,500	44,729	434,271
Trans-Pecos	57,420	16,734	98,106	30,140	5,080	55,201				45,528	5,653	85,403

Ecoregion combined dove harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	34,654	30,048	39,260	0.757	0.748	0.765	425,397	299,489	551,306	130,365	101,441	159,289
Cross Timbers	68,436	62,044	74,828	0.837	0.825	0.850	1,243,555	1,007,284	1,479,826	311,181	257,290	365,071
Edwards Plateau	79,115	72,270	85,960	0.850	0.836	0.863	1,693,986	1,411,323	1,976,650	341,048	288,517	393,579
Gulf Prairies	24,192	20,329	28,056	0.874	0.866	0.882	414,086	284,597	543,574	84,354	60,405	108,302
High Plains	19,615	16,131	23,100	0.830	0.823	0.837	864,703	558,161	1,171,244	126,531	88,790	164,271
Pineywoods	12,641	9,837	15,445	0.736	0.731	0.741	180,061	98,444	261,679	49,240	31,534	66,946
Post Oak	49,692	44,207	55,177	0.685	0.675	0.695	693,171	524,195	862,148	198,575	158,217	238,932
Rolling Plains	54,705	48,960	60,449	0.842	0.831	0.854	1,321,810	1,077,457	1,566,163	235,908	195,371	276,446
South Texas	115,294	107,146	123,443	0.862	0.846	0.877	3,352,368	2,836,370	3,868,366	492,602	431,879	553,326
Trans-Pecos	4,795	3,063	6,527	0.882	0.878	0.885	142,417	56,151	228,684	21,189	9,968	32,411

Ecoregion bobwhite quail harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	200	1	570	0.000	*	*	20	20	4,584	428	4	1,476
Cross Timbers	1,400	422	2,378	0.543	0.534	0.551	13,116	90	29,687	6,213	1,177	11,249
Edwards Plateau	11,598	8,793	14,402	0.900	0.870	0.930	169,199	80,603	257,794	54,415	34,480	74,350
Gulf Prairies	1,200	294	2,105	0.949	0.939	0.960	13,116	90	28,556	3,642	393	6,891
High Plains	4,199	2,507	5,892	0.904	0.885	0.923	80,758	21,838	139,678	24,851	11,558	38,143
Pineywoods	400	2	923	0.475	0.470	0.479	5,059	47	16,049	428	4	1,476
Post Oak	800	60	1,539	0.949	0.941	0.958	6,558	55	15,827	1,928	11	3,922
Rolling Plains	33,594	28,862	38,325	0.882	0.838	0.925	661,804	477,547	846,062	142,678	114,118	171,239
South Texas	29,994	25,517	34,471	0.892	0.850	0.935	530,643	382,636	678,649	196,022	136,988	255,056

Ecoregion scaled quail harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Edwards Plateau	7,309	5,006	9,612	0.929	0.867	0.990	111,356	54,392	168,320	34,173	20,511	47,834
High Plains	3,748	2,097	5,400	0.858	0.813	0.903	55,083	14,038	96,128	21,231	9,300	33,163
Rolling Plains	6,372	4,221	8,523	0.701	0.649	0.753	55,593	14,764	96,422	23,254	14,091	32,416
South Texas	8,246	5,801	10,692	0.867	0.804	0.929	106,086	47,607	164,564	64,099	33,612	94,585
Trans-Pecos	4,123	2,391	5,855	0.867	0.819	0.914	65,453	25,325	105,582	14,559	7,723	21,395

Ecoregion combined quail harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	192	1	562	0.000	*	*	51	51	12,112	416	4	1,464
Cross Timbers	1,343	365	2,321	0.545	0.538	0.553	12,551	121	32,531	6,026	988	11,064
Edwards Plateau	13,815	10,694	16,936	0.915	0.884	0.945	276,834	155,313	398,354	64,001	43,169	84,832
Gulf Prairies	1,151	246	2,057	0.954	0.945	0.964	12,551	121	31,604	3,532	282	6,783
High Plains	7,099	4,856	9,343	0.877	0.855	0.899	157,064	74,994	239,134	36,156	21,205	51,107
Pineywoods	384	2	907	0.477	0.473	0.481	4,841	78	20,508	416	4	1,464
Post Oak	767	28	1,507	0.954	0.947	0.962	6,275	86	20,784	1,870	11	3,865
Rolling Plains	32,810	28,038	37,583	0.887	0.847	0.928	703,918	503,739	904,096	145,664	116,200	175,127
South Texas	30,124	25,546	34,702	0.887	0.848	0.927	636,861	450,008	823,714	199,067	139,297	258,837
Trans-Pecos	3,837	2,186	5,489	0.811	0.795	0.827	63,650	21,855	105,446	14,961	8,037	21,886

Ecoregion fall turkey harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	724	5	1,551	0.000	*	*	1	1	371	6,485	1,620	11,351
Cross Timbers	11,580	8,293	14,868	0.358	0.333	0.383	3,421	608	6,235	156,498	120,275	192,721
Edwards Plateau	23,740	19,064	28,416	0.543	0.503	0.583	12,021	6,165	17,876	334,144	281,158	387,130
Gulf Prairies	145	1	515	1.000	0.995	1.000	92	2	616	564	4	1,610
Post Oak	290	2	813	0.000	*	*	1	1	371	9,869	37	21,145
Rolling Plains	12,449	9,042	15,856	0.607	0.575	0.639	6,843	2,589	11,096	128,582	101,646	155,518
South Texas	8,975	6,076	11,873	0.660	0.631	0.689	5,363	1,509	9,218	89,669	66,973	112,365

Ecoregion spring turkey harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	881	6	1,787	0.473	0.465	0.482	451	6	1,621	11,156	5,306	17,005
Cross Timbers	12,778	9,351	16,205	0.414	0.383	0.444	5,050	1,452	8,648	122,094	100,396	143,792
Edwards Plateau	20,416	16,102	24,729	0.422	0.385	0.459	7,665	3,336	11,995	141,617	124,252	158,981
Gulf Prairies	441	3	1,081	0.316	0.310	0.321	90	2	613	2,479	452	4,506
Pineywoods	441	3	1,081	0.316	0.310	0.321	180	3	1,008	2,789	600	4,978
Post Oak	2,497	974	4,020	0.111	0.104	0.119	180	3	821	15,804	10,694	20,914
Rolling Plains	9,547	6,580	12,514	0.554	0.523	0.584	5,140	1,233	9,048	77,161	63,001	91,321
South Texas	8,225	5,469	10,981	0.507	0.480	0.534	3,788	462	7,113	55,779	44,504	67,054

Ecoregion combined turkey harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	1,452	284	2,621	0.297	0.292	0.302	457	10	2,111	18,297	10,406	26,187
Cross Timbers	19,462	15,225	23,699	0.458	0.435	0.481	8,403	3,527	13,279	276,774	226,844	326,704
Edwards Plateau	35,292	29,636	40,948	0.529	0.498	0.560	19,637	11,713	27,562	478,038	417,557	538,519
Gulf Prairies	581	4	1,321	0.495	0.491	0.499	183	7	1,516	2,904	623	5,185
Pineywoods	436	3	1,076	0.330	0.327	0.333	183	7	1,615	2,614	303	4,925
Post Oak	2,614	1,047	4,181	0.110	0.106	0.114	183	7	1,516	24,976	12,430	37,523
Rolling Plains	17,573	13,543	21,604	0.638	0.613	0.663	11,965	5,564	18,366	204,749	170,586	238,912
South Texas	14,524	10,853	18,194	0.633	0.610	0.656	9,225	3,782	14,668	146,083	118,062	174,105

Ecoregion pheasant harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
High Plains	9,305	6,915	11,694	0.763	0.632	0.894	25,892	14,177	37,607	16,654	9,396	23,913
Rolling Plains	886	147	1,626	0.728	0.669	0.787	2,486	14	5,302	1,052	9	2,664

Ecoregion goose harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	1,660	614	2,705	0.814	0.774	0.854	3,633	473	6,793	17,500	104	41,325
Cross Timbers	830	90	1,569	0.698	0.671	0.724	1,816	10	4,036	4,654	35	11,564
Gulf Prairies	7,054	4,903	9,205	0.711	0.640	0.782	34,311	13,776	54,847	29,601	9,892	49,310
High Plains	4,564	2,832	6,296	0.930	0.864	0.997	49,852	17,536	82,168	14,335	5,079	23,591
Pineywoods	207	1	577	0.930	0.915	0.946	202	2	725	186	11	3,904
Post Oak	4,772	3,001	6,543	0.688	0.628	0.747	48,440	1,876	95,003	23,643	137	47,540
Rolling Plains	3,734	2,167	5,302	0.672	0.619	0.725	16,752	5,733	27,771	6,702	1,344	12,060
South Texas	830	90	1,569	0.930	0.900	0.961	6,660	34	14,714	4,840	36	12,109

Ecoregion teal harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	1,575	529	2,620	0.368	0.348	0.387	3,077	46	15,078	4,238	29	8,598
Cross Timbers	1,771	662	2,880	0.762	0.733	0.792	15,771	112	33,247	9,053	882	17,224
Edwards Plateau	590	3	1,231	0.980	0.961	1.000	7,309	68	21,799	2,119	18	5,706
Gulf Prairies	13,187	10,175	16,199	0.892	0.821	0.964	123,862	79,278	168,446	37,367	25,099	49,635
High Plains	787	48	1,527	0.980	0.958	1.000	4,616	54	17,206	1,734	16	4,916
Pineywoods	1,181	275	2,087	0.817	0.792	0.842	7,501	69	20,533	2,311	19	5,515
Post Oak	9,251	6,724	11,777	0.897	0.833	0.961	67,124	38,945	95,303	25,425	15,973	34,877
Rolling Plains	2,362	1,082	3,642	0.899	0.862	0.935	17,118	119	35,490	7,127	1,819	12,434
South Texas	1,771	662	2,880	0.871	0.840	0.903	7,501	69	20,128	3,660	26	7,432
Trans-Pecos	197	1	567	0.000	*	*	30	30	11,131	385	9	3,079

Ecoregion duck harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	8,939	6,307	11,570	0.834	0.812	0.855	107,988	46,544	169,432	57,187	27,702	86,672
Cross Timbers	10,691	7,816	13,567	0.827	0.803	0.850	143,793	60,192	227,394	71,812	37,648	105,977
Edwards Plateau	2,980	1,456	4,503	0.872	0.859	0.885	26,997	4,868	49,126	11,437	3,778	19,097
Gulf Prairies	24,713	20,369	29,056	0.912	0.877	0.946	478,671	335,774	621,568	163,686	121,591	205,782
High Plains	876	50	1,703	0.989	0.981	0.996	12,445	65	25,800	7,875	42	17,816
Pineywoods	8,062	5,562	10,562	0.903	0.881	0.924	94,011	53,875	134,147	52,875	29,293	76,456
Post Oak	25,589	21,171	30,007	0.846	0.813	0.880	417,593	272,773	562,413	180,561	132,280	228,843
Rolling Plains	6,310	4,096	8,523	0.851	0.833	0.870	98,798	46,403	151,192	36,000	18,952	53,047
South Texas	5,609	3,521	7,696	0.927	0.909	0.945	81,757	27,304	136,210	33,937	8,699	59,175
Trans-Pecos	701	4	1,441	0.742	0.736	0.747	35,613	186	101,878	9,750	52	25,483

Ecoregion woodcock harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Cross Timbers	302	1	672	0.000	*	*	0	*	*	891	3	2,000
Edwards Plateau	302	1	672	0.886	0.610	1.000	626	3	1,736	297	1	667
Pineywoods	905	265	1,546	0.886	0.482	1.000	5,636	27	12,010	3,563	650	6,475
Post Oak	905	265	1,546	0.591	0.229	0.953	1,253	6	2,907	1,485	258	2,711

Ecoregion snipe harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Edwards Plateau	330	2	853	0.397	0.203	0.590	370	2	1,110	635	5	2,160
Gulf Prairies	826	5	1,653	0.635	0.311	0.958	2,403	13	5,146	762	6	1,808
Pineywoods	165	1	535	0.000	*	*	0	*	*	0	*	*
Post Oak	661	4	1,400	0.595	0.296	0.894	4,251	23	10,385	762	6	2,146

Ecoregion rail harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Pineywoods	404	34	774	*	*	*	0	*	*	809	69	1,549

Ecoregion gallinule harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Post Oak	199	1	569	1.000	*	*	1,779	6	3,998	679	3	1,789
Rolling Plains	199	1	569	1.000	*	*	296	1	666	453	2	1,193

Ecoregion rabbit harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	1,539	493	2,585	0.871	0.854	0.888	7,847	124	15,570	13,684	102	27,266
Cross Timbers	6,349	4,229	8,468	0.965	0.931	1.000	23,954	12,491	35,416	30,057	5,689	54,424
Edwards Plateau	9,234	6,681	11,788	0.871	0.833	0.910	230,038	1,118	471,981	136,354	578	272,947
Gulf Prairies	1,924	755	3,093	0.996	0.976	1.000	14,455	3,686	25,224	20,282	103	41,154
High Plains	4,040	2,348	5,732	0.901	0.874	0.928	44,397	17,418	71,376	25,414	11,535	39,292
Pineywoods	6,541	4,390	8,692	0.791	0.759	0.822	40,061	17,873	62,248	34,211	18,468	49,953
Post Oak	6,349	4,229	8,468	0.905	0.872	0.938	31,594	16,307	46,882	24,436	13,919	34,954
Rolling Plains	5,194	3,276	7,112	0.922	0.891	0.952	29,736	14,206	45,265	30,057	5,605	54,508
South Texas	15,775	12,447	19,104	0.996	0.946	1.000	113,161	76,987	149,334	82,106	57,771	106,440
Trans-Pecos	770	30	1,509	0.996	0.983	1.000	3,717	22	7,999	3,910	36	11,198

Ecoregion squirrel harvest estimates from the Texas small game harvest survey, 2016-17.

Unit	Hunters			Success Rate			Total Kill			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	3,258	1,735	4,781	0.922	0.897	0.948	25,368	7,911	42,825	21,738	4,105	39,372
Cross Timbers	6,708	4,526	8,890	0.980	0.943	1.000	88,074	25,148	151,001	145,958	851	322,174
Edwards Plateau	6,900	4,686	9,113	0.871	0.836	0.906	44,484	18,067	70,900	149,754	873	341,586
Gulf Prairies	2,875	1,444	4,306	0.915	0.890	0.939	18,044	5,694	30,393	23,636	142	61,067
Pineywoods	18,399	14,802	21,996	0.898	0.846	0.950	187,760	127,741	247,780	73,324	47,931	98,717
Post Oak	13,224	10,168	16,280	0.852	0.806	0.898	84,858	46,110	123,607	43,477	26,177	60,777
Rolling Plains	2,108	882	3,334	0.802	0.782	0.821	4,824	926	8,721	5,866	39	13,801
South Texas	1,917	748	3,085	0.980	0.959	1.000	20,902	1,597	40,207	9,316	62	18,571

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Reference: Small Game Harvest Survey Results 1997-98 Thru 2016-17, PWD RP W7000-0719A