



SMALL GAME HARVEST  
SURVEY RESULTS  
1998-99 THRU 2017-18

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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 20 February 2018. Non-respondents were sent a second mailing on 23 March 2018, and a third mailing on 24 April 2018. The survey was closed on 9 July 2018, at which time 5,939 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](mailto:hunt@tpwd.texas.gov).

Table 1. 2017-18 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	310,006	84.20%	1,364,861	4.40	7,024,472	22.66	5.15
Dove Eurasian	310,006	17.90%	1,364,861	4.40	474,493	1.53	0.35
Dove mourning	310,006	72.30%	1,364,861	4.40	4,571,793	14.75	3.35
Dove white-tipped	310,006	4.80%	1,364,861	4.40	143,299	0.46	0.11
Dove white-winged	310,006	42.00%	1,364,861	4.40	1,834,887	5.92	1.34
Duck	84,751	89.80%	529,356	6.25	1,385,557	16.35	2.62
Gallinule	0						
Goose	17,750	87.50%	67,737	3.82	111,702	6.29	1.65
Pheasant	13,222	77.90%	29,715	2.25	48,470	3.67	1.63
Quail bobwhite	45,481	89.40%	177,342	3.90	523,271	11.51	2.95
Quail combined	49,752	89.50%	192,973	3.88	698,469	14.04	3.62
Quail scaled	17,069	74.10%	77,777	4.56	175,147	10.26	2.25
Rabbit	44,061	84.70%	217,135	4.93	294,387	6.68	1.36
Rail	0						
Snipe	651	100.00%	1,712	2.63	2,559	3.93	1.50
Squirrel	47,887	88.00%	220,298	4.60	427,699	8.93	1.94
Teal	18,854	86.60%	64,355	3.41	200,085	10.61	3.11
Turkey combined	79,721	52.30%	1,123,799	14.10	42,471	0.53	0.13
Turkey fall	44,601	47.30%	667,622	14.97	19,989	0.45	0.11
Turkey fall gobbler	44,601	37.10%	667,622	14.97	15,595	0.35	0.08
Turkey fall hen	44,601	11.70%	667,622	14.97	4,431	0.10	0.02
Turkey spring	51,354	46.90%	455,257	8.87	22,662	0.44	0.18
Turkey spring gobbler	51,354	45.30%	455,257	8.87	22,009	0.43	0.17
Turkey spring hen	51,354	1.90%	455,257	8.87	669	0.01	0.01

## **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 1.1 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 2017-18 hunting season license buyers through 20 February 2018 that had bought a license that qualified them to hunt any of the species of interest. Of the 1,156,851 that had bought a license by this date, 20,000 with a U. S. mailing address were randomly chosen to receive a survey. The 16,476 non-respondents were sent a second mailing on 23 March 2018. 14,496 non-respondents were sent a third mailing on 24 April 2018. Non-respondents were not contacted through other means. The survey was closed on 9 July 2018.

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.

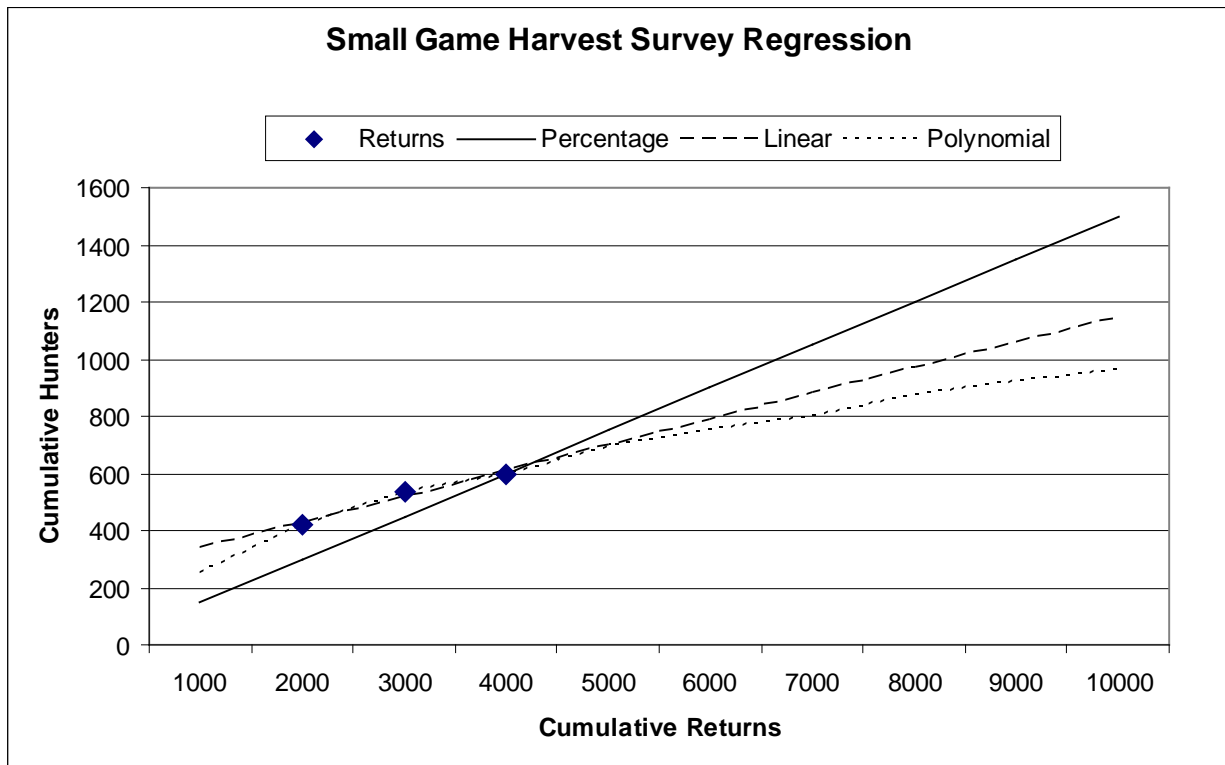
## NON-RESPONSE BIAS CORRECTION

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.







## 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 2017	<input type="checkbox"/> Yes	<input type="checkbox"/> No					
Spring season 2017	<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 – <b>DO NOT</b> include pen raised birds	<input type="checkbox"/> Yes	<input type="checkbox"/> No				
Scaled (blue) quail – <b>DO NOT</b> 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 – <b>Do NOT</b> 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 combined 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
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
2017-18	4,571,793	4,175,441	4,968,146	1,834,887	1,629,995	2,039,779	143,299	93,022	193,575	474,493	387,850	561,136

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

Year	Hunters			Success Rate			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
1998-99	361,074	350,899	371,249	0.924	0.915	0.932	1,884,986	1,784,763	1,985,210
1999-00	392,937	381,492	404,382	0.902	0.892	0.913	1,881,266	1,775,951	1,986,581
2000-01	362,267	349,684	374,849	0.913	0.903	0.923	1,814,229	1,694,660	1,933,797
2001-02	376,646	363,510	389,782	0.900	0.889	0.911	1,917,356	1,789,320	2,045,393
2002-03	393,458	380,303	406,613	0.913	0.903	0.924	1,983,263	1,861,875	2,104,651
2003-04	382,672	370,330	395,013	0.907	0.896	0.918	1,903,395	1,793,833	2,012,956
2004-05	355,588	342,798	368,378	0.894	0.881	0.907	1,697,219	1,578,831	1,815,608
2005-06	280,002	271,502	288,503	0.818	0.803	0.833	1,497,427	1,412,734	1,582,120
2006-07	273,384	264,750	282,018	0.795	0.780	0.811	1,390,455	1,304,728	1,476,183
2007-08	342,937	329,324	356,549	0.755	0.735	0.775	1,684,826	1,565,785	1,803,868
2008-09	258,456	251,735	265,177	0.794	0.781	0.807	1,394,728	1,325,295	1,464,162
2009-10	327,070	318,798	335,342	0.801	0.788	0.814	1,745,162	1,663,062	1,827,262
2010-11	316,955	308,586	325,324	0.780	0.767	0.794	1,620,563	1,541,127	1,699,998
2011-12	314,713	305,229	324,197	0.760	0.744	0.775	1,646,109	1,559,867	1,732,351
2012-13	359,612	349,450	369,774	0.779	0.764	0.794	1,749,641	1,662,257	1,837,024
2013-14	412,038	400,902	423,174	0.783	0.768	0.797	2,000,281	1,894,368	2,106,194
2014-15	416,056	404,912	427,201	0.777	0.763	0.792	2,062,440	1,956,207	2,168,674
2015-16	403,875	392,022	415,729	0.747	0.731	0.763	2,085,205	1,966,358	2,204,052
2016-17	463,139	448,762	477,515	0.722	0.705	0.739	1,990,992	1,862,294	2,119,689
2017-18	310,006	296,925	323,088	0.723	0.702	0.745	1,364,861	1,256,999	1,472,723

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
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
2017-18	45,481	39,438	51,524	0.894	0.856	0.932	523,271	314,649	731,893	177,342	138,855	215,829

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
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
2017-18	17,069	13,396	20,742	0.741	0.660	0.823	175,147	72,007	278,287	77,777	51,689	103,864

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
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
2017-18	49,752	43,430	56,073	0.895	0.860	0.929	698,469	453,634	943,305	192,973	150,542	235,403

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
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
2017-18	44,601	39,193	50,008	0.473	0.413	0.534	19,989	16,275	23,703	667,622	548,146	787,097



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
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
2017-18	51,354	45,547	57,161	0.469	0.414	0.524	22,662	18,022	27,302	455,257	374,732	535,782

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
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
2017-18	79,721	72,623	86,819	0.523	0.479	0.568	42,471	36,351	48,591	1,123,799	954,434	1,293,163

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
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
2017-18	13,222	10,160	16,284	0.779	0.691	0.867	48,470	30,812	66,127	29,715	21,436	37,993

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
2017-18	17,750	14,077	21,423	0.875	0.811	0.939	111,702	78,262	145,141	67,737	46,735	88,739

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
2017-18	18,854	14,747	22,960	0.866	0.810	0.921	200,085	140,351	259,819	64,355	46,235	82,476

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
2017-18	84,751	77,011	92,491	0.898	0.870	0.926	1,385,557	1,120,067	1,651,047	529,356	451,950	606,761

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
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
2017-18	499	4	1,263	0.121	0.000	1.000	303	5	2,212	1,196	7	2,860

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
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
2017-18	651	5	1,505	1.000	10000	1.000	2,559	25	7,342	1,712	11	3,837



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
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
2017-18	0	*	*	*	*	*	0	*	*	0	*	*

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
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
2017-18	0	*	*	*	*	*	0	*	*	0	*	*

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
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
2017-18	44,061	38,663	49,458	0.847	0.800	0.893	294,387	238,316	350,459	217,135	166,080	268,191

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
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
2017-18	47,887	42,046	53,728	0.880	0.839	0.921	427,699	338,372	517,025	220,298	169,878	270,718

Ecoregion combined dove harvest estimates from the Texas small game harvest survey, 2017-18.

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	288,963	194,026	383,900	60,825	34,838	86,812				7,962	3,662	12,262
Cross Timbers	553,613	422,272	684,954	158,821	99,418	218,223				44,544	21,714	67,374
Edwards Plateau	843,174	671,538	1,014,810	455,286	343,983	566,590				79,835	53,845	105,826
Gulf Prairies	171,784	86,664	256,903	118,721	63,119	174,324	20,230	16,336	24,125	12,696	3,672	21,721
High Plains	244,522	151,629	337,416	40,775	18,923	62,628				84,354	43,223	125,485
Pineywoods	54,405	13,767	95,042	17,346	2,220	32,473				12,911	60	27,269
Post Oak	344,364	230,313	458,415	117,595	73,160	162,030				27,759	10,010	45,509
Rolling Plains	729,980	561,673	898,288	141,474	94,268	188,681				81,126	35,775	126,478
South Texas	1,309,501	1,095,068	1,523,933	707,597	590,269	824,926	123,069	112,172	133,965	104,797	66,717	142,877
Trans-Pecos	31,487	217	70,862	16,445	1,818	31,072				18,506	86	39,328

Ecoregion combined dove harvest estimates from the Texas small game harvest survey, 2017-18.

Unit	Hunters			Success Rate			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	26,257	22,133	30,380	0.734	0.723	0.745	120,741	87,696	153,786
Cross Timbers	49,866	44,235	55,496	0.691	0.677	0.706	181,642	147,054	216,230
Edwards Plateau	56,706	50,718	62,693	0.729	0.713	0.745	254,002	207,035	300,968
Gulf Prairies	14,342	11,280	17,404	0.612	0.605	0.620	56,869	39,233	74,505
High Plains	14,121	11,083	17,160	0.789	0.780	0.797	59,840	31,867	87,813
Pineywoods	4,854	3,066	6,642	0.618	0.613	0.622	19,098	5,790	32,406
Post Oak	29,346	24,992	33,700	0.686	0.675	0.697	129,017	101,231	156,803
Rolling Plains	34,862	30,126	39,597	0.780	0.767	0.793	166,151	128,149	204,154
South Texas	77,005	70,084	83,926	0.743	0.724	0.761	365,618	307,817	423,419
Trans-Pecos	2,648	1,326	3,969	0.647	0.644	0.651	11,883	4,615	19,151

Ecoregion bobwhite quail harvest estimates from the Texas small game harvest survey, 2017-18.

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	199	1	581	0.989	0.982	0.997	1,583	30	8,727	375	2	1,139
Cross Timbers	399	2	939	0.989	0.978	1.000	1,742	31	8,896	938	5	2,316
Edwards Plateau	7,979	5,572	10,386	0.890	0.848	0.933	62,856	28,630	97,082	34,718	18,894	50,542
Gulf Prairies	598	3	1,260	0.989	0.976	1.000	4,591	49	14,122	1,126	6	2,449
High Plains	2,593	1,218	3,969	0.989	0.962	1.000	25,016	178	53,717	11,072	1,075	21,070
Post Oak	199	1	581	0.989	0.982	0.997	1,267	28	8,033	188	1	570
Rolling Plains	14,562	11,319	17,804	0.881	0.827	0.934	202,342	39,127	365,557	52,170	31,250	73,091
South Texas	18,950	15,258	22,642	0.885	0.827	0.943	223,874	128,406	319,343	76,754	53,882	99,627

Ecoregion scaled quail harvest estimates from the Texas small game harvest survey, 2017-18.

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	5,422	3,442	7,402	0.855	0.761	0.949	84,443	3,358	165,529	25,864	13,005	38,722
High Plains	3,615	1,997	5,232	0.740	0.662	0.817	51,890	373	110,105	23,817	5,383	42,251
Rolling Plains	1,406	396	2,415	0.888	0.832	0.943	8,625	62	18,995	5,024	241	9,807
South Texas	4,418	2,630	6,206	0.524	0.452	0.597	17,389	125	34,656	13,955	6,335	21,576
Trans-Pecos	2,209	944	3,474	0.807	0.742	0.872	12,799	92	27,771	9,117	1,210	17,025



Ecoregion combined quail harvest estimates from the Texas small game harvest survey, 2017-18.

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	186	1	567	0.987	0.980	0.994	1,456	30	8,603	326	2	1,090
Cross Timbers	557	3	1,218	0.658	0.648	0.668	1,602	31	8,758	1,140	7	2,716
Edwards Plateau	9,468	6,752	12,183	0.910	0.866	0.953	149,100	54,257	243,943	41,526	22,751	60,300
Gulf Prairies	557	3	1,218	0.987	0.975	0.999	4,223	49	13,756	977	6	2,301
High Plains	5,012	3,033	6,992	0.914	0.880	0.947	99,157	9,959	188,355	25,404	6,503	44,305
Post Oak	186	1	567	0.987	0.980	0.994	1,165	28	7,934	163	1	545
Rolling Plains	13,737	10,473	17,002	0.880	0.830	0.930	195,839	30,888	360,790	45,760	24,784	66,735
South Texas	18,007	14,277	21,737	0.885	0.831	0.939	225,106	121,783	328,429	68,395	44,801	91,990
Trans-Pecos	2,042	777	3,307	0.987	0.964	1.000	20,822	163	44,666	9,282	799	17,765

Ecoregion fall turkey harvest estimates from the Texas small game harvest survey, 2017-18.

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	814	5	1,667	0.000	*	*	0	*	*	11,157	4,003	18,311
Cross Timbers	10,743	7,658	13,828	0.421	0.384	0.458	4,243	1,239	7,248	167,355	133,255	201,456
Edwards Plateau	16,603	12,780	20,427	0.444	0.399	0.489	7,035	3,093	10,977	280,005	239,501	320,509
Gulf Prairies	163	1	545	1.000	0.993	1.000	112	1	494	1,080	3	2,225
Post Oak	488	3	1,150	0.686	0.676	0.697	447	4	1,527	3,599	497	6,701
Rolling Plains	7,162	4,639	9,686	0.468	0.436	0.500	3,127	429	5,825	88,896	67,655	110,138
South Texas	8,627	5,860	11,395	0.622	0.582	0.661	5,025	1,768	8,283	115,529	92,509	138,549

Ecoregion spring turkey harvest estimates from the Texas small game harvest survey, 2017-18.

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	1,103	93	2,112	0.529	0.517	0.542	553	6	1,876	9,492	5,072	13,912
Cross Timbers	13,705	10,169	17,240	0.405	0.369	0.441	4,422	1,098	7,745	149,153	121,272	177,035
Edwards Plateau	15,753	11,966	19,539	0.537	0.494	0.580	8,844	3,403	14,285	140,001	116,371	163,630
Gulf Prairies	158	1	539	0.000	*	*	0	*	*	339	1	721
High Plains	158	1	539	0.926	0.920	0.932	92	1	474	678	2	1,442
Pineywoods	473	3	1,134	0.000	*	*	0	*	*	1,695	318	3,072
Post Oak	4,411	2,395	6,427	0.265	0.247	0.282	737	8	1,817	27,458	20,332	34,583
Rolling Plains	7,246	4,666	9,826	0.403	0.376	0.430	3,224	35	6,744	65,424	51,486	79,362
South Texas	8,191	5,450	10,933	0.641	0.606	0.676	4,790	1,135	8,445	59,661	47,967	71,356
Trans-Pecos	158	1	539	0.000	*	*	0	*	*	1,356	4	2,884

Ecoregion combined turkey harvest estimates from the Texas small game harvest survey, 2017-18.

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	1,750	485	3,016	0.363	0.354	0.371	611	9	2,186	20,515	10,881	30,148
Cross Timbers	19,413	15,239	23,587	0.490	0.461	0.520	8,759	4,017	13,501	314,678	259,776	369,580
Edwards Plateau	26,733	21,854	31,612	0.540	0.505	0.575	15,787	8,774	22,799	424,206	369,203	479,210
Gulf Prairies	318	2	858	0.498	0.494	0.503	102	4	1,037	1,391	182	2,600
High Plains	159	1	541	0.997	0.993	1.000	102	4	1,037	695	2	1,460
Pineywoods	318	2	858	0.000	*	*	3	3	857	1,739	360	3,117
Post Oak	4,774	2,687	6,860	0.332	0.320	0.345	1,222	15	2,971	33,032	24,800	41,265
Rolling Plains	11,139	7,963	14,315	0.484	0.461	0.507	6,009	1,464	10,554	152,297	122,870	181,724
South Texas	14,958	11,285	18,630	0.658	0.628	0.687	9,879	4,661	15,097	173,855	146,740	200,970
Trans-Pecos	159	1	541	0.000	*	*	3	3	857	1,391	4	2,920

Ecoregion pheasant harvest estimates from the Texas small game harvest survey, 2017-18.

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	11,992	9,615	14,369	0.761	0.635	0.887	39,979	30,280	49,678	26,938	19,839	34,037
Rolling Plains	1,230	466	1,993	0.957	0.896	1.000	8,491	2,263	14,719	2,777	551	5,004

Ecoregion goose harvest estimates from the Texas small game harvest survey, 2017-18.

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	807	43	1,570	0.731	0.695	0.767	864	5	1,874	1,100	89	2,110
Cross Timbers	1,009	155	1,862	0.975	0.928	1.000	4,753	23	9,974	3,739	17	7,834
Edwards Plateau	403	2	943	0.975	0.945	1.000	3,457	17	8,870	2,419	11	6,257
Gulf Prairies	5,244	3,301	7,187	0.900	0.809	0.990	45,156	21,056	69,256	16,714	8,971	24,458
High Plains	3,026	1,549	4,503	0.910	0.836	0.983	22,254	9,002	35,506	9,237	3,839	14,634
Pineywoods	202	1	584	0.975	0.953	0.996	216	2	756	220	1	602
Post Oak	4,236	2,489	5,983	0.789	0.709	0.869	22,686	7,136	38,237	17,374	7,385	27,363
Rolling Plains	2,219	953	3,484	0.886	0.822	0.950	10,155	3,522	16,787	15,835	1,568	30,101
South Texas	403	2	943	0.975	0.945	1.000	1,296	7	3,046	660	3	1,514
Trans-Pecos	202	1	584	0.975	0.953	0.996	864	5	2,439	440	2	1,204

Ecoregion teal harvest estimates from the Texas small game harvest survey, 2017-18.

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	898	44	1,751	0.957	0.920	0.994	5,605	39	11,555	3,341	21	7,610
Cross Timbers	898	44	1,751	0.574	0.545	0.603	1,495	17	4,801	2,638	17	5,668
Edwards Plateau	1,077	142	2,012	0.957	0.917	0.997	9,715	61	20,050	3,341	21	6,983
Gulf Prairies	6,464	4,180	8,748	0.930	0.847	1.000	104,246	56,336	152,156	25,144	13,213	37,075
High Plains	359	2	899	0.957	0.933	0.981	4,297	32	12,749	879	7	2,936
Pineywoods	718	4	1,482	0.957	0.924	0.990	2,055	20	5,677	1,583	11	4,145
Post Oak	6,285	4,032	8,537	0.820	0.740	0.900	51,563	26,373	76,752	20,748	10,850	30,647
Rolling Plains	1,257	247	2,267	0.684	0.647	0.721	12,891	78	30,016	5,099	31	11,002
South Texas	718	4	1,482	0.957	0.924	0.990	7,099	47	15,610	1,055	8	2,583
Trans-Pecos	180	1	561	0.957	0.940	0.974	1,121	15	4,557	528	5	1,904

Ecoregion duck harvest estimates from the Texas small game harvest survey, 2017-18.

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	6,424	4,303	8,544	0.832	0.810	0.854	84,107	44,722	123,491	35,598	20,917	50,278
Cross Timbers	10,982	8,215	13,750	0.880	0.851	0.909	205,547	45,163	365,932	74,127	45,653	102,600
Edwards Plateau	4,352	2,605	6,098	0.945	0.926	0.965	54,113	24,186	84,040	20,102	9,579	30,625
Gulf Prairies	23,208	19,205	27,211	0.921	0.882	0.961	430,391	289,042	571,740	153,069	107,318	198,821
High Plains	1,451	441	2,460	0.992	0.981	1.000	15,311	987	29,635	5,444	337	10,551
Pineywoods	5,180	3,275	7,086	0.715	0.696	0.733	94,384	32,464	156,304	37,691	17,182	58,201
Post Oak	22,794	18,826	26,761	0.911	0.872	0.951	330,763	231,087	430,440	141,343	104,134	178,552
Rolling Plains	6,216	4,130	8,303	0.893	0.871	0.916	82,848	32,290	133,406	42,717	14,609	70,825
South Texas	3,730	2,112	5,347	0.992	0.974	1.000	86,414	10,768	162,060	18,218	6,464	29,971
Trans-Pecos	414	2	954	0.992	0.986	0.999	1,678	15	4,895	1,047	10	3,138



Ecoregion woodcock harvest estimates from the Texas small game harvest survey, 2017-18.

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	499	2	1,039	0.122	0.000	1.000	303	5	2,212	1,196	6	2,816

Ecoregion snipe harvest estimates from the Texas small game harvest survey, 2017-18.

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	260	2	800	1.000	0.392	1.000	1,126	11	4,388	1,089	7	2,999
Gulf Prairies	130	1	512	1.000	0.503	1.000	409	4	1,937	311	2	1,075
Post Oak	260	2	800	1.000	0.392	1.000	1,024	10	4,172	311	2	851

Ecoregion rabbit harvest estimates from the Texas small game harvest survey, 2017-18.

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	1,836	757	2,915	0.991	0.963	1.000	9,262	3,472	15,052	10,954	2,019	19,889
Cross Timbers	5,508	3,641	7,375	0.826	0.783	0.869	24,032	11,240	36,824	24,099	12,087	36,111
Edwards Plateau	7,802	5,582	10,023	0.816	0.766	0.866	53,070	24,825	81,315	37,244	12,636	61,852
Gulf Prairies	1,606	597	2,616	0.849	0.825	0.874	10,013	1,212	18,815	5,599	1,127	10,070
High Plains	3,672	2,146	5,197	0.991	0.952	1.000	56,074	24,832	87,316	31,645	14,397	48,893
Pineywoods	6,196	4,216	8,176	0.771	0.727	0.815	18,524	10,639	26,410	25,316	13,522	37,110
Post Oak	3,901	2,329	5,473	0.816	0.780	0.853	29,789	12,742	46,837	31,158	128	62,354
Rolling Plains	3,442	1,965	4,919	0.925	0.888	0.962	20,777	11,667	29,887	15,579	6,038	25,120
South Texas	9,409	6,972	11,845	0.846	0.792	0.900	60,329	37,799	82,859	35,053	19,612	50,494
Trans-Pecos	688	27	1,350	0.661	0.646	0.675	12,516	55	26,419	487	2	1,251

Ecoregion squirrel harvest estimates from the Texas small game harvest survey, 2017-18.

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	3,781	2,163	5,398	0.929	0.896	0.962	41,618	13,933	69,302	16,714	3,428	29,999
Cross Timbers	5,881	3,865	7,897	0.878	0.839	0.918	37,150	20,087	54,213	29,601	12,827	46,375
Edwards Plateau	7,351	5,099	9,604	0.984	0.939	1.000	56,666	35,679	77,653	35,844	16,828	54,859
Gulf Prairies	1,890	746	3,035	0.984	0.959	1.000	7,524	3,106	11,942	8,458	42	20,074
Pineywoods	14,282	11,151	17,413	0.810	0.756	0.864	156,596	103,473	209,718	71,083	42,410	99,757
Post Oak	11,552	8,733	14,370	0.876	0.825	0.928	107,689	69,792	145,586	47,725	21,166	74,283
Rolling Plains	630	3	1,291	0.984	0.970	0.998	3,292	16	6,664	6,444	32	13,694
South Texas	2,520	1,199	3,842	0.820	0.794	0.845	17,164	1,788	32,541	4,430	1,422	7,439

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