



SMALL GAME HARVEST
SURVEY RESULTS
1996-97 THRU 2015-16

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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 19 species of migratory and upland game birds. 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 17 February 2016. Non-respondents were sent a second mailing on 23 March 2016, and a third mailing on 26 April 2016. The survey was closed on 29 June 2016, at which time 6,631 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 13 different analysis levels, as well as the 95% confidence intervals for the estimates.

Table 1. 2015-16 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	403,875	87.20%	2,085,205	5.16	11,089,802	27.46	5.32
Dove Eurasian	403,875	20.90%	2,087,087	5.16	890,039	2.20	0.43
Dove mourning	403,875	77.70%	2,085,205	5.16	7,237,990	17.92	3.47
Dove white-tipped	403,875	6.20%	2,085,205	5.16	172,409	0.43	0.08
Dove white-winged	403,875	51.10%	2,085,205	5.16	3,312,886	8.20	1.59
Duck	99,672	85.40%	532,049	5.34	1,177,738	11.82	2.21
Gallinule	371	0.00%	1,051	2.83	0	0.00	0.00
Goose	14,485	77.40%	51,184	3.53	69,231	4.78	1.35
Pheasant	10,589	79.50%	18,740	1.77	42,104	3.98	2.25
Quail bobwhite	59,882	86.40%	229,160	3.83	944,619	15.78	4.12
Quail combined	64,792	87.50%	249,154	3.85	1,205,969	18.61	4.84
Quail scaled	22,152	82.40%	86,285	3.90	261,274	11.80	3.03
Rail	0	NULL	0	NULL	0	NULL	NULL
Snipe	1,376	96.20%	3,762	2.73	8,277	6.02	2.20
Teal	26,083	84.10%	80,629	3.09	203,798	7.81	2.53
Turkey combined	86,326	52.30%	1,146,080	13.28	47,003	0.54	0.14
Turkey fall	56,037	46.90%	745,221	13.30	23,853	0.43	0.11
Turkey spring	51,800	49.30%	399,348	7.71	23,281	0.45	0.21
Woodcock	847	93.80%	1,370	1.62	1,480	1.75	1.08

SURVEY PURPOSE

The main purpose of the survey is to track hunter and harvest trends for 19 small game species and/or seasons at the statewide level. Estimates are also made for 12 other analysis types, as well as population and respondent demographics. Some combinations 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 / season, the survey asks if the recipient hunted them, how many days were spent hunting, 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, but in order to show continuous trends, reports start at 1986-87 unless specifically required. Through 2007-08, 15,000 surveys were 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. 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 has risen back to 0.95 M due to the increasing popularity of the super combo license.

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 2015-16 hunting season license buyers through 17 February 2016 that had bought a license that qualified them to hunt any of the species of interest. Of the 996,382 that had bought a license by this date, 20,000 with a U. S. mailing address were randomly chosen to receive a survey. The 15,770 non-respondents were sent a second mailing on 23

March 2016. 13,909 non-respondents were sent a third mailing on 26 April 2016. Non-respondents were not contacted through other means. The survey was closed on 29 June 2016.

Technical Program staff entered the data from returned mail surveys using custom data entry programs written in Delphi XE6. All analysis was done using custom programs written in SAS 9.2. 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 13 analysis types, 19 species, 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.

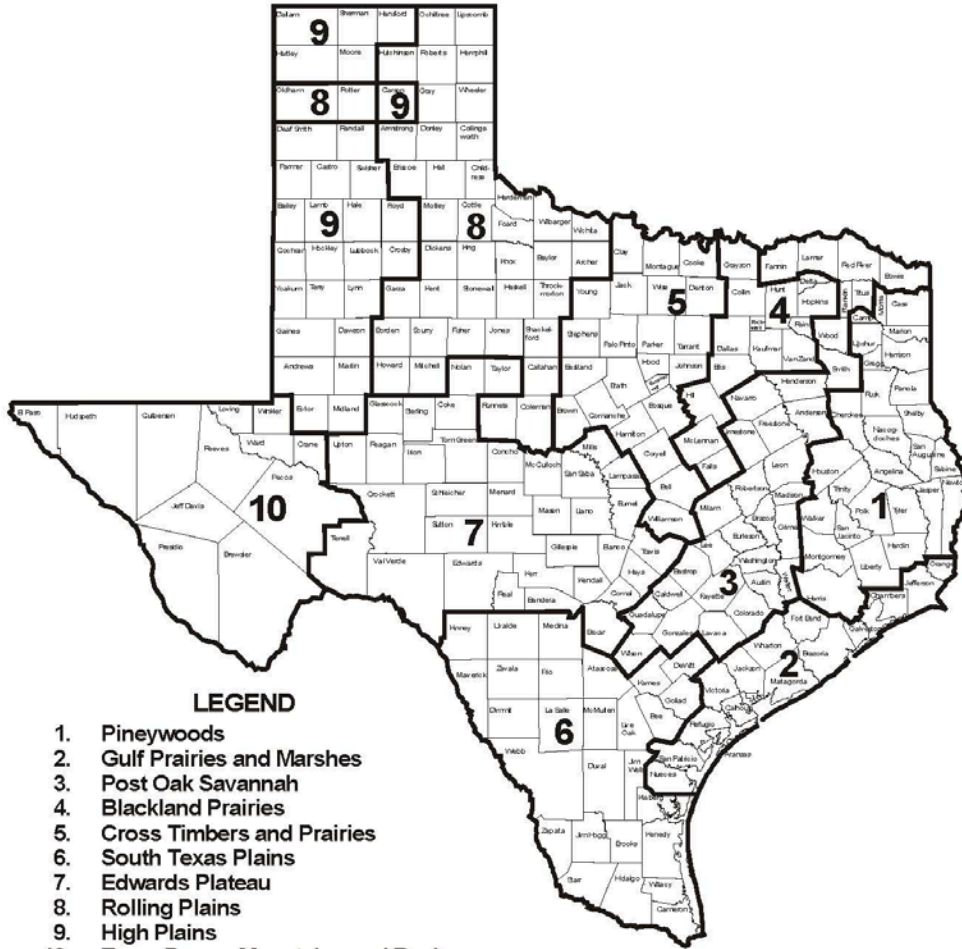
Table 2. Small game harvest survey analyses.

Analysis types	Statewide, ecoregion, administrative region and district, resident vs. non-resident, month hunted most, dove zone, white-winged dove zone, duck zone, turkey zone, dove zone x month, ecoregion x month, and county.
Species and/or seasons	Mourning, white-winged, white-tipped, Eurasian collared-dove, and combined dove; bobwhite, scaled quail, and combined quail; fall, spring, 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.

RESULTS

Only a subset of the tables and graphs generated by the survey analysis are reproduced here. For the complete results, a more detailed description of the analysis methodology, or for results from years not shown, please contact Jon Purvis at 512-389-8193 or jon.purvis@tpwd.texas.gov.

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 though 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

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
1. Bobwhite quail – DO NOT include pen raised birds	<input type="checkbox"/> Yes <input type="checkbox"/> No				
2. Scaled (blue) quail – DO NOT include pen raised birds	<input type="checkbox"/> Yes <input type="checkbox"/> No				
3. Turkey – fall season 2015	<input type="checkbox"/> Yes <input type="checkbox"/> No				
4. Turkey – spring season 2015	<input type="checkbox"/> Yes <input type="checkbox"/> No				
5. Pheasant	<input type="checkbox"/> Yes <input type="checkbox"/> No				
6. Woodcock	<input type="checkbox"/> Yes <input type="checkbox"/> No				
7. Snipe	<input type="checkbox"/> Yes <input type="checkbox"/> No				
8. Rail	<input type="checkbox"/> Yes <input type="checkbox"/> No				
9. Gallinule	<input type="checkbox"/> Yes <input type="checkbox"/> No				
10. Goose – Do NOT include geese taken during the Special Conservation Order Season	<input type="checkbox"/> Yes <input type="checkbox"/> No				
11. September teal	<input type="checkbox"/> Yes <input type="checkbox"/> No				
12. Duck	<input type="checkbox"/> Yes <input type="checkbox"/> No				

If you hunted duck during the previous season, which zone did you hunt most? (Check only one)

North Zone
 South Zone
 High Plains Mallard Unit

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

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
1996-97	7,642,629	7,120,193	8,165,065									
1997-98	8,740,357	8,168,470	9,312,243									
1998-99	9,575,484	9,039,973	10,110,99									
1999-00	9,902,507	9,277,337	10,527,67									
2000-01	9,713,005	9,003,711	10,422,29									
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	8,592,970	7,949,233	9,236,706									
2005-06	6,392,702	5,978,564	6,806,839	2,168,452	1,921,880	2,415,023	150,617	84,827	216,406			
2006-07	5,696,677	5,310,067	6,083,287	1,844,890	1,604,405	2,085,376	144,498	113,552	175,444			
2007-08	5,929,153	5,425,911	6,432,395	2,152,584	1,851,477	2,453,690	162,177	101,925	222,429			
2008-09	5,161,130	4,872,837	5,449,423	1,828,701	1,650,257	2,007,145	191,764	142,469	241,059			
2009-10	6,667,139	6,241,033	7,093,245	2,852,171	2,524,650	3,179,691	272,491	199,228	345,754			
2010-11	5,761,422	5,397,527	6,125,318	2,565,137	2,325,908	2,804,365	228,975	175,555	282,395			
2011-12	5,952,074	5,567,956	6,336,192	2,209,108	1,979,508	2,438,707	154,429	117,047	191,810			
2012-13	6,452,323	6,064,218	6,840,428	2,923,364	2,676,306	3,170,421	228,059	171,055	285,062			
2013-14	7,446,665	6,957,711	7,935,620	3,644,581	3,330,662	3,958,501	209,933	149,837	270,030			
2014-15	7,842,986	7,332,596	8,353,376	3,317,636	3,035,806	3,599,466	232,191	184,985	279,396			
2015-16	7,237,990	6,756,813	7,719,168	3,312,886	3,025,838	3,599,933	172,409	130,194	214,624	890,039	702,613	1,077,465

Statewide 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
1996-97	322,528	311,558	333,498	0.906	0.895	0.917	1,619,868	1,512,427	1,727,308
1997-98	327,025	318,297	335,754	0.913	0.905	0.921	1,716,328	1,627,775	1,804,881
1998-99	359,441	349,305	369,577	0.924	0.915	0.932	1,876,939	1,777,201	1,976,678
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	362,265	349,683	374,848	0.913	0.903	0.923	1,814,221	1,694,652	1,933,790
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	355,583	342,793	368,373	0.894	0.881	0.907	1,697,195	1,578,806	1,815,584
2005-06	280,002	271,502	288,503	0.859	0.848	0.870	1,497,427	1,412,734	1,582,120
2006-07	273,384	264,750	282,017	0.831	0.818	0.843	1,390,451	1,304,724	1,476,178
2007-08	342,937	329,324	356,549	0.783	0.766	0.801	1,684,826	1,565,785	1,803,868
2008-09	258,537	251,813	265,261	0.839	0.829	0.849	1,395,900	1,326,418	1,465,383
2009-10	327,070	318,798	335,342	0.843	0.834	0.853	1,745,162	1,663,062	1,827,262
2010-11	316,955	308,586	325,324	0.823	0.812	0.834	1,620,563	1,541,127	1,699,998
2011-12	314,713	305,229	324,197	0.775	0.760	0.790	1,646,109	1,559,867	1,732,351
2012-13	359,612	349,450	369,774	0.811	0.798	0.824	1,749,641	1,662,257	1,837,024
2013-14	412,038	400,902	423,174	0.822	0.809	0.834	2,000,281	1,894,368	2,106,194
2014-15	416,056	404,912	427,201	0.799	0.786	0.812	2,062,440	1,956,207	2,168,674
2015-16	403,875	392,022	415,729	0.777	0.763	0.792	2,085,205	1,966,358	2,204,052

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	0.891	0.881	0.901	8,071,826	7,568,915	8,574,738	1,497,427	1,412,734	1,582,120
2006-07	273,384	264,750	282,017	0.873	0.862	0.884	7,068,380	6,602,435	7,534,325	1,390,451	1,304,724	1,476,178
2007-08	342,937	329,324	356,549	0.849	0.833	0.865	7,782,063	7,131,244	8,432,882	1,684,826	1,565,785	1,803,868
2008-09	258,537	251,813	265,261	0.894	0.886	0.903	6,695,456	6,323,147	7,067,765	1,395,900	1,326,418	1,465,383
2009-10	327,070	318,798	335,342	0.897	0.889	0.906	9,031,201	8,491,108	9,571,294	1,745,162	1,663,062	1,827,262
2010-11	316,955	308,586	325,324	0.884	0.874	0.894	7,930,948	7,464,398	8,397,498	1,620,563	1,541,127	1,699,998
2011-12	314,713	305,229	324,197	0.858	0.846	0.871	8,095,950	7,597,805	8,594,094	1,646,109	1,559,867	1,732,351
2012-13	359,612	349,450	369,774	0.885	0.873	0.896	8,904,862	8,402,045	9,407,679	1,749,641	1,662,257	1,837,024
2013-14	412,038	400,902	423,174	0.885	0.874	0.895	10,473,92	9,846,583	11,101,27	2,000,281	1,894,368	2,106,194
2014-15	416,056	404,912	427,201	0.884	0.874	0.894	10,952,80	10,319,39	11,586,21	2,062,440	1,956,207	2,168,674
2015-16	403,875	392,022	415,729	0.872	0.860	0.884	11,089,80	10,396,11	11,783,49	2,085,205	1,966,358	2,204,052

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
1996-97	95,571	88,463	102,679	0.722	0.690	0.754	1,533,926	1,252,023	1,815,829	424,088	358,879	489,297
1997-98	112,609	106,595	118,624	0.811	0.793	0.830	2,039,727	1,747,815	2,331,640	527,350	472,149	582,550
1998-99	111,676	104,904	118,448	0.806	0.784	0.829	1,615,884	1,390,856	1,840,912	573,356	500,877	645,835
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	88,015	103,684	0.800	0.770	0.830	1,629,467	1,329,188	1,929,747	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	107,545	99,006	116,085	0.833	0.807	0.859	2,316,344	1,845,952	2,786,736	510,027	438,306	581,748
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	47,905	57,918	0.760	0.724	0.796	624,704	507,821	741,587	197,361	164,638	230,085
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	59,246	55,059	63,432	0.804	0.779	0.829	1,067,052	765,896	1,368,207	270,715	232,322	309,108
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

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
1996-97	23,021	19,285	26,757	0.636	0.565	0.707	170,959	106,898	235,020	98,298	69,411	127,185
1997-98	37,565	33,870	41,260	0.788	0.754	0.822	444,503	346,222	542,785	170,254	137,028	203,481
1998-99	37,484	33,430	41,537	0.768	0.724	0.812	377,160	281,325	472,995	191,765	154,208	229,322
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	25,953	21,292	30,614	0.758	0.695	0.821	248,700	179,588	317,811	150,488	99,325	201,651
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	46,578	40,825	52,331	0.786	0.741	0.830	666,853	468,244	865,462	210,946	164,553	257,339
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	553,537	298,887	808,187	100,063	73,527	126,599
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	18,457	15,978	20,937	0.756	0.706	0.806	174,674	135,362	213,986	81,401	64,789	98,012
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

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
1996-97	100,097	92,830	107,364	0.723	0.692	0.754	1,706,467	1,404,917	2,008,016	449,114	382,130	516,097
1997-98	118,954	112,783	125,125	0.818	0.800	0.835	2,487,034	2,162,659	2,811,410	581,467	522,816	640,118
1998-99	120,705	113,701	127,709	0.822	0.801	0.843	1,994,464	1,723,072	2,265,855	633,282	557,762	708,803
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	1,879,254	1,555,080	2,203,429	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	121,084	112,127	130,041	0.847	0.824	0.871	2,986,199	2,447,493	3,524,904	598,321	521,359	675,283
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	55,802	66,374	0.786	0.754	0.818	1,179,277	893,400	1,465,154	240,667	203,896	277,439
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	65,115	60,762	69,468	0.822	0.799	0.845	1,242,113	936,414	1,547,812	302,559	262,444	342,674
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

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
1996-97	105,748	98,838	112,659	0.270	0.240	0.301	24,174	20,401	27,947	1,534,304	1,348,727	1,719,882
1997-98	92,690	87,603	97,777	0.300	0.273	0.327	27,428	24,114	30,741	1,301,380	1,164,644	1,438,116
1998-99	102,100	96,092	108,107	0.411	0.381	0.442	40,538	36,186	44,891	1,525,334	1,360,611	1,690,057
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	88,802	81,464	96,139	0.274	0.239	0.309	23,275	18,855	27,694	1,221,553	1,031,931	1,411,176
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	86,602	79,469	93,735	0.413	0.372	0.453	32,725	27,942	37,507	1,093,458	920,506	1,266,411
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	55,568	65,089	0.389	0.350	0.427	20,403	17,429	23,378	878,858	755,305	1,002,410
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	51,055	47,527	54,583	0.426	0.391	0.461	19,255	17,001	21,510	732,519	647,718	817,319
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

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
1996-97	70,388	64,601	76,176	0.391	0.350	0.431	24,680	20,956	28,404	495,392	424,678	566,106
1997-98	64,691	60,405	68,977	0.360	0.326	0.395	20,233	17,518	22,948	424,572	379,177	469,968
1998-99	67,401	62,302	72,501	0.392	0.355	0.428	23,827	20,328	27,325	471,438	415,337	527,540
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	59,550	53,522	65,579	0.410	0.364	0.456	22,014	18,061	25,967	420,135	347,687	492,584
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	71,963	65,402	78,524	0.452	0.407	0.497	31,021	25,815	36,228	460,487	388,350	532,624
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	47,924	57,085	0.463	0.422	0.505	23,115	19,625	26,605	374,978	324,357	425,600
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	46,685	43,270	50,101	0.445	0.408	0.481	19,607	17,107	22,108	380,317	339,183	421,451
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

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
1996-97	130,203	122,733	137,673	0.362	0.332	0.391	48,522	42,717	54,327	2,039,019	1,812,673	2,265,365
1997-98	116,609	111,032	122,186	0.366	0.341	0.391	46,776	42,212	51,340	1,731,688	1,573,694	1,889,681
1998-99	131,964	125,285	138,643	0.453	0.426	0.479	63,698	57,748	69,648	2,011,641	1,821,393	2,201,888
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	121,525	113,332	129,719	0.359	0.328	0.391	45,000	38,591	51,409	1,648,688	1,425,844	1,871,531
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	128,223	119,891	136,554	0.464	0.430	0.497	63,655	56,164	71,146	1,562,912	1,351,767	1,774,057
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	87,598	82,010	93,187	0.475	0.443	0.508	43,339	38,429	48,248	1,258,809	1,109,779	1,407,839
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	76,209	71,995	80,423	0.479	0.450	0.508	37,862	34,273	41,450	1,117,969	1,012,030	1,223,907
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

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	23,200	30,557	0.847	0.805	0.889	265,432	179,536	351,328	125,150	94,447	155,854
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	17,953	15,523	20,383	0.800	0.752	0.848	214,952	25,382	404,522	74,240	50,063	98,417
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

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	16,273	13,277	19,270	0.830	0.779	0.882	115,008	86,775	143,241	49,229	37,915	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	13,273	11,230	15,317	0.805	0.751	0.860	81,558	60,086	103,029	35,218	27,143	43,293
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

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	731,752	626,825	836,679	357,109	306,353	407,864
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	55,346	51,284	59,408	0.845	0.821	0.868	630,435	522,257	738,612	307,178	266,938	347,417
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

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
1996-97	22,851	19,248	26,454	0.669	0.600	0.738	51,943	37,199	66,686	46,341	37,210	55,472
1997-98	24,394	21,495	27,293	0.727	0.678	0.777	65,509	52,128	78,890	54,797	45,310	64,283
1998-99	24,332	20,946	27,719	0.758	0.706	0.810	69,825	53,367	86,283	45,654	35,493	55,814
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	93,012	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	59,220	37,816	80,625	62,937	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	48,982	35,426	62,539	34,929	27,043	42,815
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	20,526	18,060	22,992	0.780	0.734	0.825	99,300	68,645	129,955	72,028	51,592	92,464
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

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
1996-97	2,337	1,212	3,461	0.532	0.246	0.818	6,217	1,920	10,514	4,750	1,878	7,622
1997-98	1,428	725	2,131	0.565	0.289	0.842	2,638	40	5,558	2,983	424	5,542
1998-99	1,568	669	2,467	0.747	0.539	0.955	8,460	82	18,258	3,570	536	6,604
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	4,109	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	10,278	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	537	1.000	10000	1.000	427	7	980	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

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
1996-97	2,046	994	3,098	0.964	0.816	1.000	23,241	7,396	39,087	7,236	2,750	11,721
1997-98	3,477	2,410	4,545	0.780	0.672	0.889	20,460	8,760	32,160	11,055	4,197	17,912
1998-99	2,728	1,583	3,873	0.715	0.556	0.874	25,577	385	83,760	8,958	4,012	13,904
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	14,019	179	37,400	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	12,734	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	9,723	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	782	230	1,334	0.754	0.579	0.930	3,544	89	10,020	2,274	51	7,091
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

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
1996-97	146	2	544	0.000	*	*	0	*	*	586	8	2,227
1997-98	731	204	1,259	0.462	0.000	0.957	1,027	97	1,958	1,489	60	2,918
1998-99	505	7	1,100	0.668	0.211	1.000	1,732	29	6,508	1,062	17	2,847
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	1,624	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	1,143	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	1,494	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	*	*

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
1996-97	146	2	544	1.000	*	*	512	7	2,028	659	9	2,547
1997-98	766	239	1,293	0.243	0.000	0.661	504	5	1,138	988	11	2,058
1998-99	504	54	953	0.221	0.000	1.000	1,171	21	5,675	1,178	12	2,670
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	523	17,002
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	1,494	361	5	913
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

Ecoregion dove harvest estimates from the Texas small game harvest survey, 2015-16.

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	356,778	266,498	447,059	125,893	82,556	169,230				20,917	9,885	31,950
Cross Timbers	1,050,266	879,110	1,221,422	426,927	338,390	515,464				78,092	53,088	103,096
Edwards Plateau	1,282,766	1,069,569	1,495,964	777,041	621,073	933,009				105,808	71,380	140,235
Gulf Prairies	401,078	288,090	514,066	220,355	157,569	283,140	34,171	28,237	40,105	75,477	8,057	142,897
High Plains	364,062	251,789	476,336	73,452	33,584	113,319				157,055	39,521	274,590
Pineywoods	187,903	120,195	255,611	53,450	22,157	84,743				30,330	3,598	57,062
Post Oak	638,336	512,563	764,109	305,572	229,133	382,011				54,037	22,419	85,655
Rolling Plains	1,130,838	921,624	1,340,052	192,958	129,034	256,881				146,074	95,317	196,830
South Texas	1,771,255	1,507,543	2,034,968	1,102,783	945,319	1,260,246	138,238	129,703	146,773	207,432	132,102	282,762
Trans-Pecos	54,706	14,762	94,650	34,457	11,210	57,704				14,817	3,620	26,013

Ecoregion dove harvest estimates from the Texas small game harvest survey, 2015-16.

Unit	Hunters			Success Rate			Total Days		
	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI	Estimate	95% LCI	95% UCI
Blackland	26,597	22,774	30,420	0.773	0.764	0.781	142,835	110,623	175,047
Cross Timbers	66,723	60,791	72,655	0.757	0.745	0.770	369,961	316,933	422,988
Edwards Plateau	72,873	66,693	79,052	0.782	0.769	0.796	398,620	337,472	459,767
Gulf Prairies	25,828	22,059	29,598	0.730	0.722	0.738	118,314	91,023	145,605
High Plains	13,837	11,061	16,612	0.893	0.887	0.900	83,678	57,605	109,751
Pineywoods	11,838	9,268	14,408	0.718	0.712	0.723	59,770	40,525	79,015
Post Oak	48,736	43,618	53,853	0.736	0.725	0.746	246,896	202,695	291,097
Rolling Plains	48,121	43,034	53,207	0.819	0.807	0.830	232,183	193,639	270,728
South Texas	85,633	78,980	92,287	0.798	0.783	0.812	407,662	358,476	456,847
Trans-Pecos	3,690	2,249	5,130	0.712	0.709	0.715	25,287	10,436	40,139

Ecoregion combined dove harvest estimates from the Texas small game harvest survey, 2015-16.

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	26,597	22,774	30,420	0.804	0.796	0.812	492,403	370,101	614,704	142,835	110,623	175,047
Cross Timbers	66,723	60,791	72,655	0.855	0.843	0.868	1,524,508	1,296,961	1,752,055	369,961	316,933	422,988
Edwards Plateau	72,873	66,693	79,052	0.882	0.869	0.896	2,093,308	1,764,210	2,422,406	398,620	337,472	459,767
Gulf Prairies	25,828	22,059	29,598	0.875	0.867	0.884	676,084	482,903	869,265	118,314	91,023	145,605
High Plains	13,837	11,061	16,612	0.923	0.916	0.929	565,219	367,800	762,637	83,678	57,605	109,751
Pineywoods	11,838	9,268	14,408	0.780	0.774	0.785	263,510	164,436	362,584	59,770	40,525	79,015
Post Oak	48,736	43,618	53,853	0.817	0.807	0.828	974,360	785,113	1,163,608	246,896	202,695	291,097
Rolling Plains	48,121	43,034	53,207	0.895	0.884	0.906	1,442,889	1,182,497	1,703,281	232,183	193,639	270,728
South Texas	85,633	78,980	92,287	0.920	0.905	0.934	2,957,101	2,558,379	3,355,824	407,662	358,476	456,847
Trans-Pecos	3,690	2,249	5,130	0.834	0.831	0.837	100,420	41,152	159,689	25,287	10,436	40,139

Ecoregion bobwhite quail harvest estimates from the Texas small game harvest survey, 2015-16.

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	149	1	444	0.954	0.950	0.958	2,793	55	12,179	668	7	2,200
Cross Timbers	1,045	266	1,824	0.409	0.401	0.416	1,536	46	9,093	1,603	44	3,163
Edwards Plateau	6,869	4,878	8,860	0.788	0.763	0.813	85,747	37,759	133,736	25,522	14,201	36,843
Gulf Prairies	1,195	362	2,027	0.835	0.823	0.846	15,362	145	35,773	3,207	349	6,065
High Plains	2,837	1,555	4,119	0.803	0.786	0.820	41,338	331	88,119	14,297	109	31,161
Pineywoods	299	2	715	0.954	0.948	0.960	698	40	8,081	267	4	857
Post Oak	747	88	1,405	0.954	0.944	0.963	3,352	59	11,424	935	9	2,077
Rolling Plains	19,413	16,088	22,739	0.881	0.840	0.921	315,897	176,128	455,666	74,026	46,789	101,263
South Texas	27,328	23,398	31,257	0.891	0.847	0.936	477,896	354,973	600,819	108,634	80,527	136,740

Ecoregion scaled quail harvest estimates from the Texas small game harvest survey, 2015-16.

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	3,466	2,056	4,876	0.826	0.778	0.874	42,433	5,759	79,108	11,497	3,766	19,228
High Plains	3,165	1,817	4,512	0.732	0.688	0.776	40,167	330	89,859	9,107	1,999	16,214
Rolling Plains	3,617	2,176	5,057	0.753	0.707	0.800	36,012	6,706	65,317	16,392	144	34,529
South Texas	7,083	5,070	9,095	0.866	0.801	0.930	57,669	26,226	89,112	29,824	13,773	45,876
Trans-Pecos	4,822	3,160	6,484	0.876	0.820	0.932	84,993	34,591	135,394	19,465	1,524	37,407

Ecoregion combined quail harvest estimates from the Texas small game harvest survey, 2015-16.

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	275	2	692	0.956	0.950	0.961	3,117	54	11,021	726	8	2,286
Cross Timbers	963	184	1,742	0.410	0.403	0.416	1,429	41	6,916	1,451	14	3,011
Edwards Plateau	7,566	5,391	9,741	0.800	0.774	0.825	128,701	58,159	199,242	28,302	15,858	40,746
Gulf Prairies	1,101	268	1,933	0.836	0.826	0.847	14,545	142	34,337	2,903	44	5,761
High Plains	5,227	3,417	7,038	0.830	0.809	0.852	121,038	36,660	205,417	27,697	231	61,075
Pineywoods	275	2	692	0.956	0.950	0.961	649	35	5,894	242	4	832
Post Oak	688	29	1,346	0.956	0.947	0.965	3,896	60	10,429	847	9	1,989
Rolling Plains	18,709	15,309	22,108	0.879	0.841	0.916	341,947	178,215	505,678	72,085	43,852	100,319
South Texas	25,312	21,372	29,251	0.904	0.862	0.946	510,128	372,082	648,173	99,541	71,295	127,787
Trans-Pecos	4,677	2,964	6,390	0.956	0.934	0.978	80,519	37,764	123,274	15,360	7,141	23,580

Ecoregion fall turkey harvest estimates from the Texas small game harvest survey, 2015-16.

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	806	85	1,527	0.701	0.692	0.709	437	8	1,369	14,293	4,173	24,414
Cross Timbers	13,035	10,155	15,915	0.357	0.335	0.380	4,194	1,357	7,031	191,234	153,080	229,388
Edwards Plateau	26,204	22,152	30,257	0.453	0.419	0.486	10,572	6,303	14,842	355,853	304,542	407,164
Post Oak	672	13	1,330	0.630	0.623	0.637	437	8	1,458	3,943	944	6,942
Rolling Plains	6,719	4,644	8,794	0.546	0.526	0.566	3,495	913	6,077	68,016	52,014	84,018
South Texas	8,466	6,139	10,793	0.584	0.561	0.607	4,543	1,647	7,440	111,389	81,513	141,264
Trans-Pecos	134	1	429	1.000	0.996	1.000	175	5	955	493	3	1,154

Ecoregion spring turkey harvest estimates from the Texas small game harvest survey, 2015-16.

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	795	74	1,516	0.530	0.522	0.538	788	10	2,402	13,576	7,080	20,071
Cross Timbers	13,116	10,207	16,024	0.417	0.391	0.444	4,639	1,879	7,399	97,009	84,427	109,591
Edwards Plateau	17,223	13,897	20,548	0.522	0.488	0.555	8,752	4,525	12,979	145,937	126,860	165,014
Gulf Prairies	530	4	1,119	0.795	0.787	0.803	350	5	1,130	7,636	1,592	13,681
High Plains	265	2	681	1.000	0.994	1.000	438	6	1,689	848	188	1,509
Pineywoods	927	148	1,706	0.000	*	*	1	1	296	7,636	4,257	11,015
Post Oak	3,842	2,259	5,425	0.402	0.387	0.417	1,225	15	2,639	28,565	21,144	35,987
Rolling Plains	7,154	4,998	9,310	0.530	0.507	0.552	3,151	814	5,488	47,797	39,261	56,334
South Texas	7,949	5,678	10,220	0.583	0.558	0.608	3,939	1,373	6,504	50,343	41,993	58,692

Ecoregion combined turkey harvest estimates from the Texas small game harvest survey, 2015-16.

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	1,183	299	2,066	0.694	0.688	0.701	1,310	19	3,497	28,022	13,715	42,330
Cross Timbers	19,052	15,544	22,560	0.438	0.418	0.458	8,737	4,397	13,076	285,620	240,815	330,425
Edwards Plateau	34,162	29,507	38,818	0.525	0.497	0.552	19,308	12,876	25,740	505,941	445,720	566,162
Gulf Prairies	526	4	1,115	0.781	0.777	0.786	349	8	1,282	6,941	876	13,007
High Plains	263	2	679	1.000	0.996	1.000	437	9	1,788	771	46	1,496
Pineywoods	1,051	219	1,884	0.000	*	*	4	4	594	7,198	3,786	10,610
Post Oak	4,336	2,648	6,024	0.442	0.432	0.452	1,747	24	3,564	32,135	23,630	40,641
Rolling Plains	11,825	9,050	14,601	0.579	0.561	0.597	6,640	3,087	10,193	114,402	95,474	133,331
South Texas	13,796	10,802	16,791	0.615	0.595	0.635	8,300	4,281	12,318	164,534	131,380	197,688
Trans-Pecos	131	1	426	1.000	0.997	1.000	175	6	1,009	514	3	1,176

Ecoregion goose harvest estimates from the Texas small game harvest survey, 2015-16.

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	635	5	1,294	0.609	0.581	0.636	1,967	21	5,909	2,070	18	5,272
Cross Timbers	1,016	184	1,849	0.634	0.599	0.669	1,967	21	5,389	3,796	33	9,914
Gulf Prairies	4,320	2,607	6,033	0.716	0.645	0.787	16,847	3,153	30,541	11,502	5,121	17,883
High Plains	2,160	947	3,373	0.835	0.779	0.892	11,067	1,791	20,344	5,406	503	10,309
Pineywoods	381	3	891	1.000	0.972	1.000	1,476	17	4,093	4,371	38	14,707
Post Oak	3,431	1,903	4,958	0.789	0.722	0.856	10,944	94	22,934	17,598	153	38,140
Rolling Plains	1,271	340	2,201	0.812	0.768	0.856	16,109	136	34,404	4,141	36	8,410
South Texas	1,271	340	2,201	0.913	0.867	0.960	8,854	77	23,881	2,300	20	4,583

Ecoregion teal harvest estimates from the Texas small game harvest survey, 2015-16.

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	2,608	1,360	3,856	0.612	0.580	0.644	13,624	3,227	24,022	9,292	3,170	15,413
Cross Timbers	2,318	1,142	3,495	0.751	0.718	0.785	10,076	1,760	18,393	6,594	2,535	10,653
Edwards Plateau	290	2	706	0.501	0.491	0.511	426	3	1,310	450	3	1,109
Gulf Prairies	10,143	7,692	12,595	0.916	0.851	0.982	104,595	67,917	141,274	33,271	23,655	42,887
High Plains	145	1	439	1.000	0.990	1.000	1,703	12	5,239	300	2	889
Pineywoods	1,449	518	2,380	0.802	0.774	0.829	9,651	68	19,814	3,447	637	6,257
Post Oak	6,521	4,551	8,490	0.868	0.813	0.924	49,105	26,761	71,448	20,982	12,681	29,282
Rolling Plains	1,014	235	1,793	1.000	0.974	1.000	5,109	661	9,557	3,297	502	6,092
South Texas	1,594	618	2,570	0.729	0.701	0.756	9,509	67	20,120	2,997	497	5,498

Ecoregion duck harvest estimates from the Texas small game harvest survey, 2015-16.

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	10,630	8,196	13,064	0.787	0.767	0.807	106,670	61,996	151,345	58,353	38,734	77,971
Cross Timbers	12,324	9,706	14,943	0.703	0.683	0.723	118,632	47,905	189,360	66,296	40,590	92,003
Edwards Plateau	4,159	2,632	5,687	0.841	0.827	0.854	20,968	8,362	33,575	11,304	6,469	16,139
Gulf Prairies	28,038	24,119	31,956	0.927	0.895	0.959	398,396	278,297	518,495	153,367	117,451	189,283
High Plains	1,695	718	2,671	0.897	0.888	0.906	17,591	3,167	32,015	6,569	1,406	11,731
Pineywoods	8,011	5,895	10,126	0.873	0.854	0.891	135,379	962	280,673	56,214	27,042	85,386
Post Oak	23,570	19,969	27,171	0.851	0.822	0.881	260,484	182,631	338,338	137,328	101,156	173,499
Rolling Plains	5,392	3,654	7,130	0.818	0.803	0.832	43,484	15,768	71,201	16,650	9,411	23,890
South Texas	5,546	3,783	7,308	0.959	0.943	0.976	74,163	36,866	111,459	24,746	14,628	34,865
Trans-Pecos	308	2	725	0.987	0.983	0.991	1,970	14	5,555	1,222	8	3,086

Ecoregion pheasant harvest estimates from the Texas small game harvest survey, 2015-16.

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	7,738	5,928	9,549	0.781	0.663	0.899	23,915	18,530	29,300	13,238	8,730	17,746
Rolling Plains	2,851	1,750	3,952	0.833	0.745	0.921	18,189	11,766	24,612	5,502	1,968	9,035

Ecoregion woodcock harvest estimates from the Texas small game harvest survey, 2015-16.

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	565	4	1,154	0.845	0.320	1.000	1,138	10	3,303	1,113	13	4,102
Post Oak	282	2	699	1.000	0.505	1.000	342	3	1,000	257	3	915

Ecoregion snipe harvest estimates from the Texas small game harvest survey, 2015-16.

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
Gulf Prairies	413	3	923	0.962	0.663	1.000	540	30	1,050	434	3	944
Pineywoods	138	1	432	0.962	0.769	1.000	720	4	1,898	868	6	2,636
Post Oak	688	30	1,346	0.962	0.628	1.000	6,298	35	12,608	1,736	12	3,941
South Texas	138	1	432	0.962	0.769	1.000	720	4	1,898	723	5	2,196

Ecoregion gallinule harvest estimates from the Texas small game harvest survey, 2015-16.

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	186	1	480	0.000	*	*	0	*	*	981	14	5,105
Rolling Plains	186	1	480	0.000	*	*	0	*	*	70	1	365

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Reference: Small Game Harvest Survey Results 1996-97 Thru 2015-16, PWD RP W7000-0719A