

The Economic Contributions of Fishing, Hunting, and Trapping in New Mexico in 2013:

A statewide and county-level analysis

For:
New Mexico Department of Game and Fish

July 31, 2014



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Executive Summary

New Mexico’s Department of Game and Fish (NMDGF) commissioned a study of fishing, hunting and trapping to estimate county-level and statewide activity and to determine the contribution that fishing, hunting, and trapping activity make to the state’s economy. Drawing from license sales records and survey-based data sources, this report presents economic contributions based on retail spending in New Mexico attributable to recreational fishing, hunting, and trapping in the state. The study also quantifies the total economic contributions for each county and presents results for selected species to estimate their individual share of the total economic contribution of hunting.

New Mexico hosts more than 160,000 anglers who spend more than 2.4 million days fishing annually (Table E1). These anglers spend \$268 million on fishing related activities. There are also 86,000 hunters who spend 746,000 days hunting each year. Hunters spend more than \$342 million on hunting related activities. And, the state has 1,600 trappers who spend more than 72,000 days trapping and spend \$3.5 million on trapping related activities.

Table E 1. Participation and spending by anglers, hunters, and trappers in New Mexico in 2013

Activity	Participants	Days	Spending
Fishing	160,311	2,459,505	\$267,717,023
Hunting	86,384	746,134	\$342,368,654
Trapping	1,639	72,378	\$3,493,874
Total	201,936	3,278,017	\$613,579,551

The effects of direct expenditures made by sportsmen who fish, hunt, and trap along with the associated multiplier effects in New Mexico support more than 7,900 full- and part-time jobs providing more than \$267 million in labor income (Table E2). These effects collectively contribute \$453 million to the state’s gross domestic product and add \$106.5 million in tax revenue.

Table E 2. Total economic effect of fishing, hunting, and trapping on New Mexico’s economy in 2013

	Jobs	Labor Income	State GDP	Tax Revenues	
				Federal	State & Local
Fishing	3,136	\$110,408,401	\$186,273,263	\$22,608,532	\$21,793,815
Hunting	4,755	\$156,009,913	\$265,143,826	\$32,213,037	\$29,265,713
Trapping	45	\$1,502,475	\$2,421,448	\$299,964	\$312,308
Total economic effect	7,936	\$267,920,790	\$453,838,537	\$55,121,533	\$51,371,836

Note: Values reflect total economic effect which includes both direct and multiplier effects.

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Introduction

This study was undertaken to quantify the total economic contributions of fishing, hunting, and trapping in New Mexico in 2013. Statewide and county-level contributions associated with each of these three activities were estimated. Several sub-categories of recreational hunting based upon species hunted were analyzed to determine their individual share of the total economic contribution of hunting.

The goal of the study is to communicate the magnitude of spending by sportsmen and their associated contributions to the state's economy. And, to inform discussions among Legislators, Agency personnel, and other stakeholders to assist with strategic decision making associated with wildlife resources. The economic contributions associated with recreational fishing, hunting, and trapping can be a powerful economic engine for communities across New Mexico, generating additional spending, supporting and creating jobs, and building future investments in open spaces and wildlife areas.

Data collection

An electronic online survey was conducted in April and May of 2014. The target audience for the survey was developed using historical license sales data provided by New Mexico's Department of Game and Fish (NMDGF) and included all persons who purchased a license between April 1, 2012 and January 16, 2014 and whose license record included an email address (Table 1). An email notification was sent to New Mexico license holders on April 22, 2014, approximately one week in advance of the survey, advising potential participants to watch for an invitation to take the survey. An email inviting the recipients to take the survey was sent on April 29, 2014 and included a link to the online survey. A reminder email was sent on May 2, 2014 to all persons on the original invitation list who had not yet responded to the survey. A final reminder was sent on May 6, 2014 to all persons who still had not responded by that date. The collected data was downloaded for analysis on May 15, 2014. Samples of all email communications and the survey questionnaire are included in Appendix E.

Table 1. Target audience size and response rate

	Residents	Nonresidents	Total
Original email list	57,789	22,313	80,102
Undeliverable email	11,213	2,797	14,010
Net mailout	46,576	19,516	66,092
Response to initial invitation	4,345	2,129	6,474
Response to first reminder	3,343	1,275	4,618
Response to second reminder	3,339	1,139	4,478
Total response	11,027	4,543	15,570
<i>Response rate</i>	<i>23.7%</i>	<i>23.3%</i>	<i>23.6%</i>

The raw survey data underwent several procedures to produce a final data set for analysis that accurately represents of all New Mexico sportsmen. Outlier values with respect to days of activity or expenditures were removed. Even with the sample prioritization scheme employed in the survey, the respondent sample size for some species nevertheless was too small to provide reliable spending estimates. To increase reliability, bighorn sheep and barbary sheep were merged to provide an adequate sample of sheep hunters. Similarly, ibex and oryx were combined to provide reliable expenditure estimates for ibex and oryx hunters, overall. Finally, a number of respondents were removed from the dataset for a variety of reasons including respondents under the age of 18, responses with no data, records with suspicious pattern of responses that suggested the respondent did not answer the survey conscientiously. The final dataset included 15,379 responses.

The resulting sample was analyzed for correspondence with the total population of New Mexico sportsmen based on total license sales records from 2012 to 2014. The sampling frame of customers with email addresses matches the total population of customers quite closely in terms of age distribution, but they are somewhat more likely to be residents and male (Table 2). The survey respondents were more likely than the population of NMDGF customers to be residents, male and somewhat older. A rake weighting procedure was used to account for these differences. With the calculated weights applied to the analysis, the final sample matched exactly the population of sportsmen on the relevant demographic measures.

Table 2. Population of New Mexico anglers, hunters, and trappers vs. survey respondents

Demographic	Customer Population		Survey List		Survey Respondents	
	count	percent	count	percent	count	percent
Residency:						
Nonresidents	101,172	32.4%	22,228	27.8%	4,054	29.2%
Residents	210,707	67.6%	57,705	72.2%	9,840	70.8%
<i>Subtotal</i>	<i>311,879</i>	<i>100.0%</i>	<i>79,933</i>	<i>100.0%</i>	<i>13,894</i>	<i>100.0%</i>
Gender:						
Male	251,628	80.3%	70,895	88.5%	12,857	93.7%
Female	61,680	19.7%	9,204	11.5%	864	6.3%
<i>Subtotal</i>	<i>313,308</i>	<i>100.0%</i>	<i>80,099</i>	<i>100.0%</i>	<i>13,721</i>	<i>100.0%</i>
Age Group:						
18 to 27	54,527	17.4%	10,735	13.4%	762	5.4%
28 to 37	62,677	20.0%	17,452	21.8%	2,341	16.7%
38 to 47	57,498	18.3%	16,785	21.0%	2,924	20.9%
48 to 57	63,529	20.2%	17,475	21.8%	3,752	26.8%
58 to 67	46,600	14.8%	12,509	15.6%	3,073	22.0%
68 and over	29,122	9.3%	5,146	6.4%	1,145	8.2%
<i>Subtotal</i>	<i>313,953</i>	<i>100.0%</i>	<i>80,102</i>	<i>100.0%</i>	<i>13,997</i>	<i>100.0%</i>
Total Count	313,953		80,102		15,379	

Methodology

Three measures (participation, spending, and estimated economic contribution) across the three target wildlife-related activities (fishing, hunting, and trapping) structure the methodological approach. Total participation and average spending per person, per activity are combined to estimate total expenditures for fishing, hunting and trapping in each county. Economic models for New Mexico and each county were then used to determine the economic contributions associated with the total expenditures by sportsmen. Separate analyses were conducted for residents and non-residents.

License records were analyzed to: 1) identify the types of activities individual sportsmen took part in between 2012 and 2014 based upon license or permit type purchased, 2) identify the type of game pursued based on license or permit type purchased if identified as a hunter, 3) presence of an email on record with NMDGF, and 4) county of residency on record with NMDGF. Based on the distribution of the target audience across activity type, game categories, and species pursued, a prioritization structure was developed to ensure adequate sample sizes for hunters of each species. This was done by assigning a higher priority to species which draw smaller numbers of sportsmen. The structure then worked in conjunction with survey questions to dynamically tailor the survey each respondent saw based upon their self-reported activities. In this way, the largest possible sample of hunters was obtained for each species.

Participation

The fishing, trapping, and hunting licensure data for New Mexico resident and non-resident adult sportsmen provided the overall number of participants in each activity. The survey data provided an estimate of the share of participants that pursued fishing or trapping in each county.¹ In order to identify the number of anglers, hunters, and trappers in 2013, the license year was defined as purchases made between April 1, 2013 and March 31, 2014.

The survey asked all respondents to report their participation (days of angling, hunting, or trapping) for every county where they visited in 2013. In the event that an activity took place in more than one county over the course of one day, respondents were asked to allocate their days of participation based on the location where most of the time was spent. Participation information was collected separately for fishing, trapping, and hunting for individual species.

The survey structure facilitated more detailed estimates for big game and small game hunting by gathering information specific to each species hunted. Big game included: bear, cougar, deer, elk, ibex/oryx, javelin, pronghorn antelope, bighorn/barbary sheep, and turkey. Small game included: band-tailed pigeon, dove, duck, dusty blue grouse, goose, pheasant, quail, sandhill crane, squirrel, and other. The survey was set up to query respondents as to the amount of days they fished, trapped, or hunted in each county. An average number of days by a typical sportsman in a county for an activity was developed

¹ The sum of the number of participants across all counties exceeds the total number of participants because many sportsmen choose to pursue outdoor activities in more than one county.

from those respondents that indicated that they had participated in a particular county. The total number of days that were spent on hunting, trapping, and fishing in each county was then calculated by taking the number of participants in a county times the average number of days that an active participant reported.

Spending

Statewide average expenditure profiles for activities and species were constructed based upon responses to detailed spending questions. To minimize survey burden, each respondent was asked to provide comprehensive spending information only for fishing and/or one species hunted.² Separate expenditure profiles were constructed for resident and nonresident sportsmen. Total spending associated with each activity or species was calculated as the product of average spending per day of activity, the total number of days spent pursuing that activity per year, and the number of sportsmen on record as purchasing a license or permit associated with that activity. Detailed spending profiles for angling, hunting, and trapping as well as targeted big game species are included in Appendix D.

All spending in all categories was first estimated at the state level. If a sportsman gave responses to spending questions, they were used to build a spending profile for the average participant of that activity/species. This spending profile was multiplied by the number of participants to get state level estimates of spending in each category.

County-level spending was estimated differently for different categories of spending. **Equipment** spending was allocated to individual counties proportional to selected retail spending in the state. The assumption is that equipment purchases are made in essentially the same places that most retail sporting goods are sold.³ Spending that typically takes place where the fishing or hunting occurs (i.e., **destination** spending such as lodging, guide fees, etc.) was allocated to the counties on the basis of the days of hunting in each county. Some spending typically takes place closer to the sportsmen's place of residence (i.e., **residential** spending such as licenses, membership dues) and was assigned to counties based on the number of sportsmen who live in each county. Some categories of spending are split between the sportsmen's place of residence and where the activity occurs (i.e., groceries, fuel, etc.) For this **hybrid** spending, half of the spending was allocated using the destination spending methodology and half was allocated using the residential spending methodology to capture the fact that spending occurred in multiple places (Table 3). Spending estimates were calculated separately for residents and non-residents using the procedures outlined above. The survey asked respondents specifically to report only spending that took place in New Mexico in 2013.

² The species prioritization in the survey design ensured that the maximum number of responses was obtained for each species. For purposes of the prioritization, trapping was given the highest priority, followed by species in order of the number of licenses/permits sold in 2013. A single respondent who fished, hunted and trapped in 2013 was asked to provide spending details only for fishing and trapping. A respondent who fished and hunted, would respond only to spending questions about fishing one specific species.

³ Retail sales data for New Mexico counties was obtained from the New Mexico Taxation and Revenue Department.

Table 3. Categorization of expenditure types

Equipment	Expenditure category		
	Destination	Residential	Hybrid
Fishing			
Rods	Cabins	Member Dues	Groceries
Tackle	Land Leases	Licenses	Fuel
Fish Finders	Equipment Rental		Transportation Svc.
Tackle Boxes	Heating		
Camping Equipment	Restaurants		
Binoculars	Overnight Accom.		
Clothing for Fishing	Guide Fees		
Motorized Vehicles			
Magazines			
Trapping			
Traps	Cabins	Member Dues	Groceries
Trap or Snare Parts	Land Leases	Licenses	Fuel
Lures	Equipment Rental		Transportation Svc.
Bedding	Heating		
Other Trapping Equip.	Restaurants		
Firearms	Overnight Accom.		
Ammunition	Guide Fees		
Animals	Land Fees		
Camping Equipment			
Binoculars			
Clothing for Trapping			
Pack Baskets			
Processing			
Motorized Vehicles			
Magazines			
Hunting			
Firearms	Cabins	Member Dues	Groceries
Bows	Land Leases	Licenses	Fuel
Ammunition	Equipment Rental		Transportation Svc.
Telescopic Sights	Heating		
Decoys or Game Calls	Restaurants		
Hunting Dogs	Overnight Accom.		
Other Hunting Equip.	Guide Fees		
Camping Equipment			
Binoculars			
Clothing for Hunting			
Motorized Vehicles			
Magazines			

Economic contributions

The direct spending made by anglers, hunters, and trappers cycles through the state and local county economies generating additional rounds of spending by businesses that provide supporting services and goods to sportsmen. This is known as the multiplier effect and includes indirect contributions arising from additional spending within businesses supporting those businesses frequented by sportsmen as well as induced contributions which result from household spending by employees of affected businesses. The total economic contributions reflect the collective effect of the direct retail spending as well as the indirect and the induced effect. Separate IMPLAN input-output models of the New Mexico economy and of each of the 33 counties were created for this analysis.

It is important to mention that findings explored within the body of the report focus on the total economic contribution, or the collective effect of both direct spending and multiplier contributions. Detailed results specific to direct spending and multiplier effects are provided in Appendix C.

Four types of economic activity are measured and reported for each activity and target species:

Employment: The number of full- and part-time jobs created or supported as a result of the economic activity.

Labor income: Total payroll, including salaries, wages and benefits paid to employees and business proprietors

State GDP: This represents the total “value added” contribution of economic output made by the industries impacted by state park visitation.

Tax Revenue: All local, state, and federal taxes paid by individuals and businesses.

Additional discussion about economic contribution concepts can be found in Appendix C. Details of the economic contribution methodology are presented in Appendix B.

The remainder of this report is structured in sections based around three separate activities: fishing, hunting, and trapping. Three sub-topics (participation estimates, spending estimates, and total economic contributions) are included within each section. Detailed tables focusing on results by county can be found in Appendix A.

Findings

Fishing

Angler participation

More than 160,000 anglers fish in New Mexico's waters (Table 4). On average, three quarters of anglers are residents of the state. Among resident and nonresident anglers, San Juan, Rio Arriba and Taos are the top three counties where anglers go to fish. Anglers spend a total of 2.4 million days fishing, which equates to 15.3 days per angler per year.

Table 4. Angler participation in 2013-statewide and by destination county

County	<u>Residents</u>		<u>Nonresidents</u>	
	Anglers	Angler days	Anglers	Angler days
New Mexico	120,319	1,845,945	39,992	613,561
Bernalillo	11,850	109,654	3,939	36,447
Catron	5,500	31,467	1,828	10,459
Chaves	2,799	24,638	930	8,189
Cibola	6,302	43,586	2,095	14,487
Colfax	8,577	68,060	2,851	22,622
Curry	1,391	10,696	462	3,555
De Baca	1,833	11,964	609	3,977
Dona Ana	3,093	30,419	1,028	10,111
Eddy	4,354	58,177	1,447	19,337
Grant	7,611	75,675	2,530	25,153
Guadalupe	2,733	19,063	909	6,336
Harding	606	3,340	201	1,110
Hidalgo	115	498	38	166
Lea	2,046	25,569	680	8,499
Lincoln	8,511	52,097	2,829	17,316
Los Alamos	2,046	8,594	680	2,857
Luna	376	1,960	125	651
McKinley	2,472	27,997	821	9,306
Mora	7,398	55,626	2,459	18,489
Otero	2,963	16,587	985	5,513
Quay	5,090	49,420	1,692	16,426
Rio Arriba	26,041	212,304	8,656	70,566
Roosevelt	1,162	16,554	386	5,502
San Juan	26,237	262,415	8,721	87,222
San Miguel	10,377	89,174	3,449	29,640
Sandoval	17,890	121,814	5,946	40,489
Santa Fe	13,618	86,290	4,526	28,681
Sierra	11,245	109,531	3,738	36,406
Socorro	5,270	31,031	1,752	10,314

Table 4. Angler participation in 2013-statewide and by destination county (cont.)

County	Residents		Nonresidents	
	Anglers	Angler days	Anglers	Angler days
Taos	19,101	145,712	6,349	48,432
Torrance	1,342	7,113	446	2,364
Union	1,195	8,727	397	2,901
Valencia	3,552	30,195	1,181	10,036

Angler spending

Anglers make expenditures on a number of equipment and trip-related items. Equipment related items include things such as rods, reels, lines and lures. Trip-related items include fuel, food, and lodging. Anglers spend, on average, \$1,670 per year on recreational fishing activities (\$1,621 by residents and \$1,815 by nonresidents). This generates a total of \$268 million dollars in direct spending associated with fishing within the state (\$195 million by residents and \$72 million by nonresidents) (Table 5).

Table 5. Angler spending in 2013-statewide and by destination county

County	Residents	Nonresidents	Total
New Mexico	\$195,111,084	\$72,605,939	\$267,717,023
Bernalillo	\$58,230,235	\$7,830,617	\$66,060,852
Catron	\$1,160,242	\$681,088	\$1,841,330
Chaves	\$4,294,714	\$569,148	\$4,863,862
Cibola	\$2,511,991	\$306,641	\$2,818,633
Colfax	\$2,899,600	\$6,073,710	\$8,973,310
Curry	\$2,529,679	\$745,464	\$3,275,143
De Baca	\$623,991	\$156,437	\$780,428
Dona Ana	\$13,825,400	\$2,482,285	\$16,307,686
Eddy	\$6,383,330	\$880,290	\$7,263,621
Grant	\$5,568,811	\$884,060	\$6,452,871
Guadalupe	\$857,718	\$309,235	\$1,166,954
Harding	\$96,469	\$243,461	\$339,931
Hidalgo	\$110,868	\$1,363	\$112,231
Lea	\$5,194,648	\$828,311	\$6,022,959
Lincoln	\$3,274,539	\$3,570,596	\$6,845,135
Los Alamos	\$1,089,199	\$113,171	\$1,202,370
Luna	\$1,927,635	\$268,869	\$2,196,504
McKinley	\$3,715,895	\$458,491	\$4,174,386
Mora	\$2,036,768	\$1,461,360	\$3,498,128
Otero	\$2,861,995	\$1,180,784	\$4,042,778
Quay	\$1,494,245	\$8,784,252	\$10,278,497
Rio Arriba	\$8,946,812	\$3,681,994	\$12,628,806

Table 5. Angler spending in 2013-statewide and by destination county (cont.)

County	Residents	Nonresidents	Total
Roosevelt	\$1,425,731	\$519,635	\$1,945,366
San Juan	\$7,908,769	\$484,971	\$8,393,740
San Miguel	\$18,452,229	\$10,459,910	\$28,912,139
Sandoval	\$4,238,145	\$2,263,010	\$6,501,155
Santa Fe	\$15,572,660	\$2,915,782	\$18,488,442
Sierra	\$4,110,194	\$3,962,962	\$8,073,156
Socorro	\$1,885,107	\$714,301	\$2,599,408
Taos	\$6,706,207	\$7,608,517	\$14,314,724
Torrance	\$762,074	\$220,597	\$982,671
Union	\$522,011	\$1,734,666	\$2,256,676
Valencia	\$3,893,172	\$209,958	\$4,103,130

Economic contributions associated with angler spending

The direct spending by anglers on items associated with their recreational fishing activities generates additional rounds of spending within the state's economy, supports jobs, and garners additional tax revenues. These direct and multiplier effects support more than 3,100 full- and part-time jobs in New Mexico, providing \$110 million in labor income (Table 6). Anglers' purchases contribute \$186 million to the gross state product and an additional \$44.4 million in state, local, and federal taxes.

Table 6. Angler economic contributions (Total effect)-statewide and by destination county in 2013

	Jobs	Labor Income	State GDP	Tax Revenues	
				Federal	State & Local
New Mexico*	3,136	\$110,408,401	\$186,273,263	\$22,608,532	\$21,793,815
Bernalillo	734	\$29,366,321	\$45,073,950	\$5,573,640	5,082,353
Catron	21	\$368,329	\$1,000,258	\$99,480	165,450
Chaves	48	\$1,473,079	\$2,586,113	\$313,005	372,856
Cibola	27	\$820,443	\$1,498,905	\$170,911	262,174
Colfax	105	\$3,054,745	\$5,869,360	\$686,638	767,026
Curry	29	\$952,178	\$1,555,961	\$194,126	219,973
De Baca	8	\$173,606	\$345,838	\$41,515	78,453
Dona Ana	171	\$5,423,125	\$9,056,897	\$1,052,693	1,275,111
Eddy	63	\$1,997,619	\$3,266,171	\$436,538	415,858
Grant	74	\$1,896,706	\$3,532,159	\$456,774	599,242
Guadalupe	13	\$319,339	\$675,326	\$71,606	123,634
Harding	3	\$76,580	\$135,823	\$15,983	23,544
Hidalgo	1	\$30,480	\$59,591	\$6,620	13,677
Lea	54	\$1,772,934	\$2,855,476	\$375,555	362,332
Lincoln	81	\$2,248,002	\$4,604,092	\$530,937	598,300

Table 6. Angler economic contribution (Total effect)-statewide and by destination county in 2013 (cont.)

	Jobs	Labor Income	State GDP	Tax Revenues	
				Federal	State & Local
Los Alamos	10	\$353,974	\$638,433	\$65,463	89,803
Luna	17	\$493,327	\$846,758	\$94,078	141,372
McKinley	38	\$932,243	\$1,722,593	\$214,051	291,355
Mora	50	\$980,589	\$1,846,800	\$215,070	430,661
Otero	42	\$1,091,534	\$2,184,667	\$232,481	336,487
Quay	129	\$2,809,106	\$6,472,984	\$699,731	986,219
Rio Arriba	141	\$3,527,031	\$7,949,743	\$800,323	1,175,364
Roosevelt	19	\$452,825	\$877,216	\$93,497	169,426
San Juan	83	\$2,595,225	\$4,727,654	\$540,706	677,997
San Miguel	333	\$11,714,212	\$20,520,632	\$2,671,640	2,305,642
Sandoval	77	\$1,901,595	\$3,979,447	\$416,315	696,685
Santa Fe	181	\$6,739,800	\$11,020,517	\$1,268,887	1,379,046
Sierra	97	\$2,174,158	\$4,865,567	\$501,332	814,472
Socorro	28	\$674,666	\$1,427,635	\$143,480	268,835
Taos	162	\$5,058,708	\$9,343,970	\$1,082,177	1,068,085
Torrance	9	\$259,235	\$507,719	\$60,377	95,444
Union	26	\$632,566	\$1,383,781	\$132,573	208,325
Valencia	40	\$1,173,565	\$2,232,263	\$244,967	365,153

*Statewide contributions are larger than the sum of the counties because the multiplier effect for the state of New Mexico is larger than any single county.

Hunting

The type of hunting that New Mexico residents and visitors engage in varies greatly by location. Through this extensive survey of hunters, the NMDGF is able to characterize hunting effort for each destination county within the state over a range of species pursued. Using these survey results allowed us to estimate hunter activity by county for each game category (big game, small game, and turkey) as well as for individual big game species groups (i.e. elk, deer, pronghorn antelope). The discussion that follows focuses on either the county level **or** the game species level. Additional detail about results by county **and** game species can be found in the specific counties tables in Appendix A.

Hunter participation

New Mexico has more than 86,000 sportsmen who went hunting in 2013 (Table 7). Seventy-eight percent are state residents. Hunters spent more than 746,000 total days afield, equating to 8.6 days per hunter. Rio Arriba, Catron, and Otero are the top three counties where hunters go to hunt.

Table 7. Hunter participation in 2013-statewide and by destination county

County	Residents		Nonresidents	
	Hunters	Hunter days	Hunters	Hunter days
New Mexico	67,177	590,771	19,207	155,363
Bernalillo	822	4,268	235	1,178
Catron	9,648	46,615	2,758	13,973
Chaves	4,196	28,314	1,200	6,639
Cibola	3,270	16,770	935	4,891
Colfax	3,781	14,682	1,081	5,203
Curry	615	4,103	176	1,079
De Baca	512	2,188	146	496
Dona Ana	3,995	33,542	1,142	8,767
Eddy	4,416	35,647	1,263	8,149
Grant	5,290	31,712	1,512	6,139
Guadalupe	595	3,455	170	842
Harding	563	2,322	161	758
Hidalgo	1,774	8,619	507	1,697
Lea	2,350	19,369	672	4,854
Lincoln	6,319	29,893	1,807	6,609
Los Alamos	906	3,105	259	1,067
Luna	2,363	11,447	676	2,594
McKinley	1,781	9,823	509	2,703
Mora	1,845	7,525	528	2,496
Otero	7,394	43,035	2,114	9,568
Quay	641	3,212	183	853
Rio Arriba	11,804	54,234	3,375	17,227
Roosevelt	816	5,760	233	1,338
San Juan	2,849	26,647	815	6,982
San Miguel	1,431	8,527	409	2,049
Sandoval	3,613	20,681	1,033	5,815
Santa Fe	1,716	8,898	491	2,321
Sierra	4,144	24,383	1,185	5,413
Socorro	6,041	36,914	1,727	10,097
Taos	3,438	17,837	983	5,810
Torrance	1,405	6,759	402	1,530
Union	1,437	4,229	411	1,667
Valencia	1,806	16,256	517	4,561

Hunters in New Mexico are able to pursue a variety of different species of big game and small game. Ninety two percent (79,000) of all hunters hunt big game, deer and elk being the most common species pursued (Table 8). Big game hunters spend a total of 440,000 days hunting per year or an average of 5.5 days per hunter. Thirty percent (26,000) of all

hunters hunt small game, dove and quail being the most common small game species pursued. Small game hunters spend a total of 305,000 days hunting per year or an average of 11.7 days per hunter.

Table 8. Hunter participation by species in 2013

Species	Residents		Nonresidents	
	Hunters	Hunter days	Hunters	Hunter days
Bear	2,721	18,124	918	6,115
Cougar	1,714	20,679	405	4,886
Deer	26,780	133,820	2,626	13,122
Elk	21,853	109,175	10,259	51,253
Ibex-Oryx	1,586	7,057	263	1,170
Javelina	2,103	9,457	117	526
Pronghorn Antelope	1,919	5,150	1,727	4,635
Bighorn-Barbary Sheep	1,042	5,575	158	845
Turkey	8,887	44,105	981	4,869
<i>All Big Game</i>	<i>61,971</i>	<i>353,142</i>	<i>17,719</i>	<i>87,421</i>
Dove	11,010	86,806	3,148	24,819
Duck	3,810	40,063	1,089	11,455
Goose	1,638	10,553	468	3,017
Grouse	1,878	8,996	537	2,572
Pheasant	582	1,341	166	383
Pigeon	438	3,029	125	866
Quail	7,398	52,198	2,115	14,924
Sandhill Crane	660	2,380	189	681
Squirrel	2,814	15,229	805	4,354
Other	1,728	17,033	494	4,870
<i>All Small Game</i>	<i>20,273</i>	<i>237,629</i>	<i>5,796</i>	<i>67,942</i>
All Hunters Combined	<i>67,177</i>	<i>590,771</i>	<i>19,207</i>	<i>155,363</i>

Hunter spending

As with anglers, hunters make expenditures on a number of equipment and trip-related items. Equipment related items include things such as firearms, ammunition, sights, and calls. Trip-related items include fuel, food, and lodging. Hunters spend, on average, \$3,963 per year on recreational hunting activities (\$3,600 by residents and \$5,221 by nonresidents). This equates to a total of \$342 million dollars in direct spending associated with hunting in New Mexico (\$242 million by residents and \$100 million by nonresidents) (Table 9).

Table 9. Hunter spending in 2013-statewide and by destination county

County	Residents	Nonresidents	Total
New Mexico	\$242,080,907	\$100,287,747	\$342,368,654
Bernalillo	\$84,643,705	\$9,184,818	\$93,828,523
Catron	\$5,386,287	\$9,632,472	\$15,018,759
Chaves	\$6,740,931	\$1,986,311	\$8,727,242
Cibola	\$3,072,938	\$3,570,035	\$6,642,974
Colfax	\$2,075,751	\$8,129,883	\$10,205,634
Curry	\$3,236,565	\$406,511	\$3,643,076
De Baca	\$232,283	\$185,637	\$417,921
Dona Ana	\$21,246,700	\$3,353,244	\$24,599,945
Eddy	\$9,295,400	\$1,635,320	\$10,930,720
Grant	\$6,821,856	\$2,080,908	\$8,902,764
Guadalupe	\$404,018	\$106,024	\$510,042
Harding	\$222,872	\$883,678	\$1,106,549
Hidalgo	\$685,307	\$934,074	\$1,619,381
Lea	\$8,029,052	\$1,452,396	\$9,481,448
Lincoln	\$5,613,941	\$5,301,729	\$10,915,671
Los Alamos	\$1,234,283	\$676,356	\$1,910,640
Luna	\$3,662,724	\$1,573,344	\$5,236,068
McKinley	\$5,443,262	\$1,733,348	\$7,176,610
Mora	\$805,500	\$2,746,344	\$3,551,844
Otero	\$8,101,386	\$4,593,130	\$12,694,516
Quay	\$703,278	\$522,937	\$1,226,215
Rio Arriba	\$6,589,638	\$15,623,257	\$22,212,895
Roosevelt	\$1,582,048	\$265,155	\$1,847,204
San Juan	\$5,170,027	\$1,769,248	\$6,939,275
San Miguel	\$14,748,313	\$3,630,832	\$18,379,145
Sandoval	\$2,204,783	\$867,901	\$3,072,684
Santa Fe	\$19,319,365	\$3,180,270	\$22,499,635
Sierra	\$2,835,853	\$1,521,904	\$4,357,758
Socorro	\$3,480,678	\$3,375,250	\$6,855,928
Taos	\$3,581,641	\$5,682,244	\$9,263,884
Torrance	\$1,047,384	\$474,365	\$1,521,748
Union	\$614,826	\$2,794,103	\$3,408,929
Valencia	\$3,248,312	\$414,718	\$3,663,030

Deer hunters spend, on average, \$2,246 per year on deer hunting activities (\$2,185 by residents and \$2,865 by nonresidents). This equates to a total of \$66.0 million dollars in direct spending associated with deer hunting within the state (\$58.5 million by residents and \$7.5 million by nonresidents) (Table 10). Elk hunters spend, on average, \$3,304 per year on recreational elk hunting activities (\$2,428 by residents and \$5,169 by

nonresidents) which equates to \$106.1 million in direct spending associated with elk hunting (\$53.1 million by residents and \$53.0 million by nonresidents). Small game hunters spend, on average \$3,858 per year on small game hunting activities (\$3,914 by residents and \$3,664 by nonresidents). Collectively, small game hunters spend a total of \$100.5 million (\$79.3 million by residents and \$21.2 million by nonresidents).

Table 10. Hunter spending by species in 2013

Species	Residents	Nonresidents	Total
Bear	\$8,481,280	\$4,514,556	\$12,995,836
Cougar	\$8,477,230	\$3,131,792	\$11,609,022
Deer	\$58,516,463	\$7,522,592	\$66,039,056
Elk	\$53,054,840	\$53,028,615	\$106,083,455
Ibex-Oryx	\$3,760,923	\$1,188,554	\$4,949,477
Javelina	\$4,355,440	\$315,538	\$4,670,978
Pronghorn Antelope	\$3,039,220	\$6,115,497	\$9,154,717
Bighorn-Barbary Sheep	\$2,884,681	\$690,702	\$3,575,382
Turkey	\$20,166,998	\$2,543,924	\$22,710,923
Small Game	\$79,343,832	\$21,235,977	\$100,579,809
All Hunters Combined	\$242,080,907	\$100,287,747	\$342,368,654

Economic contributions associated with hunter spending

As with anglers, the direct spending by hunters on items associated with their recreational fishing activities generates additional rounds of spending within the state's economy, supports jobs, and garners additional tax revenues. And, collectively, these rounds support more than 4,700 full- and part-time jobs in New Mexico, providing \$156 million in labor income (Table 11). Hunters' purchases contribute \$265 million to the gross state product and an additional \$61.5 million in state, local, and federal taxes.

Table 11. Economic contributions (Total effect) of hunting in 2013-statewide and by destination county

	Jobs	Labor Income	State GDP	Tax Revenues	
				Federal	State & Local
New Mexico*	4,755	\$156,009,913	\$265,143,826	\$32,213,037	\$29,265,713
Bernalillo	1,307	\$48,143,701	\$72,493,526	\$9,027,564	\$7,872,066
Catron	237	\$3,318,008	\$9,468,383	\$992,531	\$1,405,967
Chaves	106	\$2,953,459	\$5,511,195	\$653,633	\$662,742
Cibola	74	\$2,026,677	\$4,069,070	\$451,313	\$529,652
Colfax	164	\$3,851,331	\$7,519,055	\$891,727	\$897,056
Curry	38	\$1,145,699	\$1,862,144	\$234,010	\$251,932
De Baca	4	\$87,586	\$166,107	\$20,630	\$32,714

Table 11. Economic contribution (Total effect) of hunting in 2013-statewide and by destination county (cont.)

	Jobs	Labor Income	State GDP	Tax Revenues	
				Federal	State & Local
Dona Ana	304	\$9,189,834	\$15,833,919	\$1,831,344	\$1,945,066
Eddy	118	\$3,505,577	\$6,280,023	\$793,401	\$678,647
Grant	112	\$2,827,470	\$5,572,058	\$693,490	\$743,102
Guadalupe	5	\$151,617	\$346,248	\$36,457	\$38,983
Harding	5	\$152,165	\$242,431	\$30,611	\$42,228
Hidalgo	20	\$467,834	\$1,175,186	\$118,729	\$135,706
Lea	106	\$3,236,721	\$5,474,789	\$695,075	\$601,640
Lincoln	144	\$4,334,497	\$8,371,192	\$1,000,553	\$924,234
Los Alamos	21	\$660,597	\$1,170,706	\$120,920	\$131,465
Luna	60	\$1,554,549	\$2,965,002	\$323,407	\$370,970
McKinley	90	\$2,098,801	\$3,884,329	\$479,507	\$547,134
Mora	69	\$1,168,511	\$2,194,125	\$269,933	\$426,999
Otero	168	\$3,761,955	\$8,391,019	\$868,939	\$1,101,636
Quay	18	\$355,094	\$736,316	\$82,213	\$113,991
Rio Arriba	336	\$7,484,324	\$16,372,898	\$1,721,784	\$2,014,249
Roosevelt	21	\$456,097	\$922,706	\$97,205	\$147,737
San Juan	83	\$2,448,192	\$4,557,262	\$520,752	\$516,666
San Miguel	232	\$7,728,633	\$12,570,274	\$1,668,105	\$1,309,733
Sandoval	38	\$918,914	\$1,892,030	\$204,114	\$284,963
Santa Fe	290	\$9,519,358	\$15,169,577	\$1,771,264	\$1,786,737
Sierra	56	\$1,192,127	\$2,876,270	\$293,885	\$395,046
Socorro	96	\$1,842,760	\$4,645,009	\$452,237	\$641,912
Taos	132	\$3,958,459	\$7,114,095	\$859,706	\$727,758
Torrance	18	\$423,960	\$941,440	\$107,601	\$134,923
Union	53	\$1,226,505	\$2,462,352	\$261,942	\$317,521
Valencia	42	\$1,174,620	\$2,241,904	\$249,992	\$268,929

*Statewide contributions are larger than the sum of the counties because the multiplier effect for the state of New Mexico is larger than any single county.

Spending by deer hunters supports 840 full- and part-time jobs which provide \$28.4 million in labor income (Table 12). Their purchases contribute \$48.5 million to the gross state product and an additional \$11.3 million in state, local, and federal taxes. Spending by elk hunters supports more than 1,500 full- and part-time jobs which provide \$49.9 million in labor income. Their purchases contribute \$86.5 million to the gross state product and an additional \$20.0 million in state, local, and federal taxes. Spending by small game hunters supports more than 1,390 full- and part-time jobs which provide \$46.4 million in labor income. Their purchases contribute \$76.5 million to the gross state product and an additional \$17.6 million in state, local, and federal taxes.

Table 12. Hunter economic contributions (Total effect) by species in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Bear	181	\$5,962,095	\$10,140,996	\$1,232,485	1,125,026
Cougar	160	\$5,256,121	\$9,112,025	\$1,098,030	989,279
Deer	840	\$28,368,772	\$48,515,856	\$5,859,444	5,493,865
Elk	1,572	\$49,902,425	\$86,537,346	\$10,463,024	9,571,165
Ibex-Oryx	68	\$2,192,331	\$3,740,050	\$453,546	437,087
Javelina	61	\$2,014,574	\$3,407,987	\$413,687	394,214
Pronghorn Antelope	144	\$4,458,834	\$7,708,766	\$936,567	866,804
Bighorn- Barbary Sheep	48	\$1,557,322	\$2,681,196	\$323,765	311,391
Turkey	291	\$9,872,269	\$16,785,890	\$2,032,921	1,897,014
Small Game	1,389	\$46,425,171	\$76,513,713	\$9,399,567	8,179,868
All Hunters Combined	4,755	\$156,009,913	\$265,143,826	\$32,213,037	\$29,265,713

Trapping

Trapper participation

New Mexico has more than 1,600 sportsmen who went trapping in 2013 (Table 13). Ninety-seven percent are state residents. Trappers spent more than 72,000 total days afield. This equates to 44.1 days per trapper per year. Rio Arriba, San Juan, and Grant are the top three counties where trappers go to trap.

Table 13. Trapper participation in 2013-statewide and by destination county

County	Residents		Nonresidents	
	Trappers	Trapper days	Trappers	Trapper days
New Mexico	1,582	68,860	57	2,5171
Bernalillo	28	1,130	1	41
Catron	105	4,374	4	158
Chaves	63	2,401	2	87
Cibola	91	3,225	3	116
Colfax	42	1,019	2	37
Curry	35	1,221	1	44
De Baca	14	773	1	28
Dona Ana	49	1,023	2	37
Eddy	127	5,010	5	181
Grant	155	4,667	6	168

Table 13. Trapper participation in 2013-statewide and by destination county (cont.)

County	Residents		Nonresidents	
	Trappers	Trapper days	Trappers	Trapper days
Guadalupe	14	120	1	4
Harding	28	1,936	1	70
Hidalgo	28	1,105	1	40
Lea	42	758	2	27
Lincoln	120	2,878	4	104
Los Alamos	14	34	1	1
Luna	63	2,260	2	81
McKinley	63	3,146	2	113
Mora	14	68	1	2
Otero	56	2,146	2	77
Quay	42	2,394	2	86
Rio Arriba	176	5,791	6	209
Roosevelt	14	158	1	6
San Juan	176	7,179	6	259
San Miguel	63	2,162	2	78
Sandoval	112	3,210	4	116
Santa Fe	49	1,075	2	39
Sierra	28	768	1	28
Socorro	91	2,405	3	87
Taos	35	1,293	1	47
Torrance	70	1,982	3	71
Union	28	1,529	1	55
Valencia	42	622	2	22

Trapper spending

As with anglers and hunters, trappers make expenditures on a number of equipment and trip-related items. Equipment related items include things such as traps, snares, lures, and fur handling equipment. Trip-related items include fuel, food, and lodging. Trappers spend, on average, \$2,012 per year on recreational trapping activities (Table 14). This equates to a total of \$3.5 million dollars in direct spending associated with trapping in New Mexico.

Table 14. Trapper spending in 2013-statewide and by destination county

County	Residents	Nonresidents	Total
New Mexico	\$3,297,266	*	\$3,493,874
Bernalillo	\$1,043,649	*	\$1,096,860
Catron	\$24,219	*	\$71,283
Chaves	\$112,180	*	\$114,844

Table 14. Trapper spending-statewide and by destination county (cont.)

County	Residents	Nonresidents	Total
Cibola	\$69,978	*	\$73,035
Colfax	\$27,924	*	\$29,379
Curry	\$50,441	*	\$53,863
De Baca	\$11,119	*	\$11,122
Dona Ana	\$238,399	*	\$249,187
Eddy	\$205,847	*	\$209,564
Grant	\$112,343	*	\$114,044
Guadalupe	\$4,140	*	\$4,155
Harding	\$15,446	*	\$16,719
Hidalgo	\$16,098	*	\$16,107
Lea	\$90,342	*	\$111,457
Lincoln	\$62,720	*	\$63,842
Los Alamos	\$8,935	*	\$9,248
Luna	\$60,952	*	\$64,633
McKinley	\$80,973	*	\$84,657
Mora	\$1,436	*	\$1,443
Otero	\$75,441	*	\$79,164
Quay	\$27,479	*	\$27,758
Rio Arriba	\$83,969	*	\$86,592
Roosevelt	\$13,351	*	\$13,981
San Juan	\$67,598	*	\$70,770
San Miguel	\$288,436	*	\$297,606
Sandoval	\$57,149	*	\$57,731
Santa Fe	\$244,447	*	\$255,404
Sierra	\$14,717	*	\$16,090
Socorro	\$42,671	*	\$45,877
Taos	\$47,156	*	\$47,963
Torrance	\$26,179	*	\$26,980
Union	\$33,913	*	\$34,052
Valencia	\$37,621	*	\$38,464

* Low response rate (n=9) for nonresident spending estimates.

Economic contribution associated with trapper spending

The direct spending by trappers on items associated with their recreational trapping activities generates additional rounds of spending within the state's economy, supports jobs, and garners additional tax revenues. And, collectively, these rounds support more than 45 full- and part-time jobs in New Mexico, providing \$1.5 million in labor income (Table 15). Trappers' purchases contribute \$2.4 million to the gross state product and an additional \$612,000 in state, local, and federal taxes.

Table 15. Economic contributions (Total effect) of trapping in 2013-statewide and by destination county

	Jobs	Labor Income	State GDP	Tax Revenues	
				Federal	State & Local
New Mexico*	45	\$1,502,475	\$2,421,448	\$299,964	\$312,308
Bernalillo	16	\$553,076	\$845,815	\$104,382	\$93,807
Catron	1	\$17,469	\$41,579	\$4,338	\$8,116
Chaves	1	\$37,566	\$69,288	\$8,157	\$10,768
Cibola	1	\$23,169	\$42,347	\$4,855	\$9,224
Colfax	0	\$8,893	\$17,783	\$2,039	\$3,071
Curry	1	\$16,205	\$25,929	\$3,244	\$4,062
De Baca	0	\$2,370	\$5,330	\$628	\$1,718
Dona Ana	3	\$85,815	\$144,799	\$16,709	\$21,030
Eddy	2	\$66,433	\$110,010	\$14,774	\$14,945
Grant	1	\$36,570	\$66,580	\$8,832	\$13,374
Guadalupe	0	\$1,252	\$2,410	\$266	\$583
Harding	0	\$3,657	\$7,349	\$793	\$2,354
Hidalgo	0	\$4,087	\$9,318	\$988	\$2,525
Lea	1	\$36,292	\$57,875	\$7,621	\$7,632
Lincoln	1	\$19,719	\$39,873	\$4,598	\$6,544
Los Alamos	0	\$2,600	\$4,449	\$463	\$661
Luna	1	\$17,568	\$33,691	\$3,640	\$5,750
McKinley	1	\$20,483	\$37,793	\$4,686	\$6,737
Mora	0	\$389	\$784	\$85	\$217
Otero	1	\$21,046	\$44,673	\$4,579	\$8,111
Quay	0	\$8,033	\$15,553	\$1,781	\$3,816
Rio Arriba	1	\$25,295	\$56,724	\$5,691	\$10,193
Roosevelt	0	\$2,341	\$4,802	\$489	\$1,138
San Juan	1	\$21,219	\$39,918	\$4,479	\$6,566
San Miguel	3	\$122,215	\$204,680	\$27,511	\$26,295
Sandoval	1	\$17,629	\$34,166	\$3,612	\$7,916
Santa Fe	3	\$107,900	\$170,734	\$19,820	\$21,266
Sierra	0	\$3,912	\$7,999	\$827	\$1,835
Socorro	1	\$12,412	\$25,616	\$2,555	\$6,380
Taos	1	\$15,475	\$26,083	\$3,053	\$3,755
Torrance	0	\$8,072	\$15,528	\$1,850	\$3,613
Union	0	\$9,805	\$19,384	\$1,810	\$4,635
Valencia	0	\$10,826	\$20,847	\$2,244	\$3,711

*Statewide contributions are larger than the sum of the counties because the multiplier effect for the state of New Mexico is larger than any single county.

Summary

The goal of this analysis was to help provide insight about jobs, tax revenues and other economic contributions that result from recreational fishing, hunting, and trapping in New Mexico at a state and county level. New Mexico's wildlife draws thousands of resident and non-resident sportsmen to fish, hunt, or trap every year. The spending associated with these activities leads to significant economic contributions to the New Mexico economy.

New Mexico hosts more than 160,000 anglers who spend more than 2.4 million days fishing over the year (Table 16). These anglers spend \$268 million on fishing related activities. There are also 86,000 hunters who spend 746,000 days hunting during the year. Hunters spend more than \$342 million on hunting related activities. And, the state has 1,600 trappers who spend more than 72,000 days trapping. And, trappers spend \$3.5 million on trapping related activities.

Table 16. Participation and spending of fishing, hunting, and trapping in New Mexico in 2013

Activity	Participants ¹	Days ¹	Spending
Fishing Total	160,311	2,459,505	\$267,717,023
Trapping Total	1,639	72,378	\$3,493,874
Hunting:			
Bear	3,639	24,239	\$12,995,836
Cougar	2,119	25,565	\$11,609,022
Deer	29,406	146,942	\$66,039,056
Elk	32,112	160,428	\$106,083,455
Ibex-Oryx	1,849	8,227	\$4,949,477
Javelina	2,220	9,983	\$4,670,978
Pronghorn Antelope	3,646	9,785	\$9,154,717
Bighorn-Barbary Sheep	1,200	6,420	\$3,575,382
Turkey	9,868	48,974	\$22,710,923
<i>Big Game Subtotal</i>	<i>79,690</i>	<i>440,563</i>	<i>\$241,788,845</i>
Dove	14,158	111,625	*
Duck	4,899	51,518	*
Goose	2,106	13,570	*
Grouse	2,415	11,568	*
Pheasant	748	1,725	*
Pigeon	563	3,896	*
Quail	9,513	67,123	*
Sandhill Crane	849	3,061	*
Squirrel	3,619	19,583	*
Other	2,222	21,904	*
<i>Small Game Subtotal</i>	<i>26,069</i>	<i>305,571</i>	<i>\$100,579,809</i>
Hunting Total	86,384	746,134	\$342,368,654

¹Total hunter participants do not equal the sums across species due to overlap in participation.

* Spending was not estimated for individual small game species.

Collectively, recreational fishing, hunting, and trapping support more than 7,900 full- and part-time jobs providing more than \$267 million in labor income (Table 17). The direct spending by sportsmen who fish, hunt, and trap and multiplier effects of that spending in New Mexico contribute \$453 million to the state's gross domestic product and add \$106.5 in tax revenue.

Table 17. Total economic effects of fishing, hunting, and trapping on New Mexico's economy in 2013

	Jobs	Labor Income	State GDP	Tax Revenues	
				Federal	State & Local
Total Economic Effect	7,936	\$267,920,790	\$453,838,537	\$55,121,533	\$51,371,836
Fishing Total	3,136	\$110,408,401	\$186,273,263	\$22,608,532	\$21,793,815
Trapping Total	45	\$1,502,475	\$2,421,448	\$299,964	\$312,308
Hunting Total	4,755	\$156,009,913	\$265,143,826	\$32,213,037	\$29,265,713
<i>Hunting by species</i>					
Bear	181	\$5,962,095	\$10,140,996	\$1,232,485	\$1,125,026
Cougar	160	\$5,256,121	\$9,112,025	\$1,098,030	\$989,279
Deer	840	\$28,368,772	\$48,515,856	\$5,859,444	\$5,493,865
Elk	1,572	\$49,902,425	\$86,537,346	\$10,463,024	\$9,571,165
Ibex-Oryx	68	\$2,192,331	\$3,740,050	\$453,546	\$437,087
Javelina	61	\$2,014,574	\$3,407,987	\$413,687	\$394,214
Pronghorn Antelope	144	\$4,458,834	\$7,708,766	\$936,567	\$866,804
Bighorn-Barbary Sheep	48	\$1,557,322	\$2,681,196	\$323,765	\$311,391
Turkey	291	\$9,872,269	\$16,785,890	\$2,032,921	\$1,897,014
Small Game	1,389	\$46,425,171	\$76,513,713	\$9,399,567	\$8,179,868

Evidence shows that the economic contributions of sportsmen range, not only across the type of activity, but also across the 33 counties within the state. This variation stems, in large part, from the opportunities to fish, hunt, or trap within a county's boundary. However, it is important to remember that spending associated with sportsmen's activities occurs both close to home and close to where they fish, hunt, or trap. As a result, economic contributions are felt from fishing, hunting, and trapping activities within all counties across the state.

Appendices

Appendix A: Fishing, hunting, and trapping by county

Appendix B: Methodology for estimating economic contributions

Appendix C: Explanation of economic contribution

Appendix D: Angler, hunter, and trapper spending profiles

Appendix E: New Mexico fishing, hunting, and trapping survey

Appendix A: Fishing, hunting, and trapping by County

Note: The purpose of Appendix A is to incorporate all measures (participation, days, spending and economic contributions by activity) together from the perspective of the County level.

Table A 1. Bernalillo County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	15,789	146,101	\$66,060,852
Trapping Total	29	1,171	\$1,096,860
<i>Hunting:</i>			
Bear	28	164	\$3,075,525
Cougar	7	71	\$3,174,267
Deer	89	428	\$20,121,595
Elk	125	399	\$19,446,672
Ibex-Oryx	8	9	\$1,152,321
Javelina	6	32	\$1,450,520
Pronghorn Antelope	13	20	\$1,128,919
Bighorn-Barbary Sheep	4	4	\$880,258
Turkey	72	132	\$6,878,733
<i>Big Game Subtotal</i>	<i>441</i>	<i>1,258</i>	<i>\$57,308,810</i>
Dove	432	1,946	*
Duck	69	536	*
Goose	8	31	*
Grouse	8	31	*
Pheasant	8	8	*
Pigeon	8	23	*
Quail	116	442	*
Sandhill Crane	8	8	*
Squirrel	62	419	*
Other	100	746	*
<i>Small Game Subtotal</i>	<i>658</i>	<i>4,188</i>	<i>\$36,519,713</i>
Hunting Total	1,057	5,446	\$93,828,523

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

* Spending was not estimated for individual small game species.

Table A 2. Bernalillo County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	734	\$29,366,321	\$45,073,950	\$5,573,640	\$5,082,353
Trapping Total	16	\$553,076	\$845,815	\$104,382	\$93,807
<i>Hunting:</i>					
Bear	43	\$1,568,997	\$2,371,092	\$294,903	\$260,204
Cougar	44	\$1,626,545	\$2,450,989	\$305,143	\$266,818
Deer	276	\$10,226,385	\$15,422,315	\$1,919,439	\$1,687,462
Elk	266	\$9,832,767	\$14,886,068	\$1,850,107	\$1,650,168
Ibex-Oryx	16	\$577,681	\$876,052	\$108,815	\$97,838
Javelina	20	\$732,156	\$1,107,167	\$137,661	\$122,363
Pronghorn Antelope	16	\$571,470	\$872,430	\$108,140	\$98,086
Bighorn-Barbary Sheep	12	\$443,522	\$670,974	\$83,413	\$74,320
Turkey	93	\$3,473,235	\$5,250,074	\$652,868	\$579,651
Small Game	521	\$19,090,945	\$28,586,365	\$3,567,076	\$3,035,156
Hunting Total	1,307	\$48,143,701	\$72,493,526	\$9,027,564	\$7,872,066

Table A 3. Catron County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	7,328	41,926	\$1,841,330
Trapping Total	109	4,531	\$71,283
Hunting:			
Bear	711	3,846	\$784,025
Cougar	254	2,122	\$611,089
Deer	2,564	11,157	\$1,495,548
Elk	5,915	29,187	\$8,794,761
Ibex-Oryx	38	110	\$53,449
Javelina	178	948	\$124,861
Pronghorn Antelope	170	455	\$251,936
Bighorn-Barbary Sheep	7	27	\$35,727
Turkey	1,502	6,833	\$928,178
<i>Big Game Subtotal</i>	<i>12,081</i>	<i>54,686</i>	<i>\$13,079,573</i>
Dove	224	1,207	*
Duck	46	395	*
Goose	8	39	*
Grouse	31	100	*
Pheasant	0	0	*
Pigeon	23	151	*
Quail	193	762	*
Sandhill Crane	0	0	*
Squirrel	509	2,100	*
Other	108	1,148	*
<i>Small Game Subtotal</i>	<i>883</i>	<i>5,902</i>	<i>\$1,939,185</i>
Hunting Total	12,406	60,588	\$15,018,759

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

* Spending was not estimated for individual small game species.

Table A 4. Catron County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	21	\$368,329	\$1,000,258	\$99,480	\$165,450
Trapping Total	1	\$17,469	\$41,579	\$4,338	\$8,116
Hunting:					
Bear	12	\$181,538	\$505,342	\$52,968	\$71,820
Cougar	11	\$122,263	\$375,270	\$39,206	\$62,253
Deer	17	\$305,863	\$944,840	\$92,147	\$130,380
Elk	150	\$1,938,889	\$5,437,567	\$579,991	\$852,031
Ibex-Oryx	1	\$11,630	\$33,550	\$3,421	\$4,872
Javelina	1	\$24,602	\$76,566	\$7,302	\$11,211
Pronghorn Antelope	4	\$58,889	\$158,887	\$17,198	\$24,011
Bighorn-Barbary Sheep	1	\$7,568	\$22,070	\$2,247	\$3,345
Turkey	11	\$193,842	\$582,993	\$57,390	\$84,955
Small Game	29	\$472,923	\$1,331,299	\$140,660	\$161,088
Hunting Total	237	\$3,318,008	\$9,468,383	\$992,531	\$1,405,967

Table A 5. Chaves County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	3,729	32,828	\$4,863,862
Trapping Total	66	2,488	\$114,844
Hunting:			
Bear	7	7	\$232,399
Cougar	71	282	\$274,036
Deer	2,166	8,910	\$2,336,203
Elk	131	613	\$1,658,916
Ibex-Oryx	30	60	\$93,754
Javelina	25	72	\$107,151
Pronghorn Antelope	236	764	\$431,861
Bighorn-Barbary Sheep	271	994	\$263,616
Turkey	150	675	\$559,895
<i>Big Game Subtotal</i>	<i>4,055</i>	<i>12,378</i>	<i>\$5,957,830</i>
Dove	1,250	8,897	*
Duck	556	3,132	*
Goose	285	1,636	*
Grouse	8	46	*
Pheasant	123	191	*
Pigeon	15	54	*
Quail	1,049	5,676	*
Sandhill Crane	293	1,682	*
Squirrel	31	96	*
Other	69	1,164	*
<i>Small Game Subtotal</i>	<i>2,215</i>	<i>22,576</i>	<i>\$2,769,412</i>
Hunting Total	5,395	34,953	\$8,727,242

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 6. Chaves County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	48	\$1,473,079	\$2,586,113	\$313,005	\$372,856
Trapping Total	1	\$37,566	\$69,288	\$8,157	\$10,768
Hunting:					
Bear	3	\$78,668	\$146,973	\$17,407	\$18,157
Cougar	3	\$92,684	\$173,987	\$20,587	\$22,004
Deer	27	\$772,099	\$1,446,775	\$170,967	\$191,377
Elk	20	\$579,622	\$1,077,636	\$128,214	\$131,784
Ibex-Oryx	1	\$31,041	\$58,282	\$6,878	\$7,602
Javelina	1	\$34,246	\$64,652	\$7,602	\$8,525
Pronghorn Antelope	7	\$170,569	\$315,969	\$38,373	\$41,748
Bighorn-Barbary Sheep	4	\$94,800	\$176,186	\$21,106	\$24,044
Turkey	6	\$181,149	\$340,933	\$40,122	\$44,806
Small Game	33	\$918,580	\$1,709,802	\$202,377	\$172,695
Hunting Total	106	\$2,953,459	\$5,511,195	\$653,633	\$662,742

Table A 7. Cibola County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	8,396	58,073	\$2,818,633
Trapping Total	95	3,341	\$73,035
Hunting:			
Bear	153	850	\$222,877
Cougar	92	467	\$253,668
Deer	807	3,609	\$862,577
Elk	1,950	9,478	\$3,440,332
Ibex-Oryx	8	23	\$30,956
Javelina	13	30	\$39,561
Pronghorn Antelope	39	53	\$84,672
Bighorn-Barbary Sheep	43	304	\$58,009
Turkey	608	2,893	\$452,455
<i>Big Game Subtotal</i>	<i>3,972</i>	<i>17,708</i>	<i>\$5,445,106</i>
Dove	185	610	*
Duck	39	110	*
Goose	0	0	*
Grouse	31	158	*
Pheasant	0	0	*
Pigeon	15	48	*
Quail	108	590	*
Sandhill Crane	8	15	*
Squirrel	332	1,477	*
Other	139	944	*
<i>Small Game Subtotal</i>	<i>641</i>	<i>3,953</i>	<i>\$1,197,868</i>
Hunting Total	4,205	21,661	\$6,642,974

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 8. Cibola County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	27	\$820,443	\$1,498,905	\$170,911	\$262,174
Trapping Total	1	\$23,169	\$42,347	\$4,855	\$9,224
Hunting:					
Bear	3	\$71,362	\$142,663	\$15,831	\$17,746
Cougar	3	\$70,180	\$143,790	\$15,913	\$20,563
Deer	9	\$255,649	\$515,933	\$56,746	\$73,732
Elk	39	\$1,038,646	\$2,058,827	\$230,461	\$276,146
Ibex-Oryx	0	\$9,203	\$18,625	\$2,050	\$2,565
Javelina	0	\$11,310	\$22,678	\$2,499	\$3,715
Pronghorn Antelope	1	\$25,890	\$50,898	\$5,717	\$7,087
Bighorn-Barbary Sheep	1	\$18,028	\$35,948	\$3,975	\$4,883
Turkey	5	\$140,465	\$281,526	\$31,012	\$39,202
Small Game	14	\$385,942	\$798,184	\$87,108	\$84,014
Hunting Total	74	\$2,026,677	\$4,069,070	\$451,313	\$529,652

Table A 9. Colfax County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	11,427	90,682	\$8,973,310
Trapping Total	44	1,056	\$29,379
Hunting:			
Bear	237	1,162	\$493,595
Cougar	99	890	\$263,409
Deer	510	2,235	\$752,382
Elk	2,354	10,004	\$5,833,865
Ibex-Oryx	4	8	\$34,911
Javelina	6	19	\$27,566
Pronghorn Antelope	530	1,187	\$783,633
Bighorn-Barbary Sheep	11	39	\$37,273
Turkey	358	1,549	\$357,736
<i>Big Game Subtotal</i>	<i>4,713</i>	<i>17,094</i>	<i>\$8,584,370</i>
Dove	69	315	*
Duck	85	548	*
Goose	39	332	*
Grouse	62	298	*
Pheasant	15	85	*
Pigeon	15	82	*
Quail	15	112	*
Sandhill Crane	0	0	*
Squirrel	62	294	*
Other	77	725	*
<i>Small Game Subtotal</i>	<i>333</i>	<i>2,791</i>	<i>\$1,621,264</i>
Hunting Total	4,862	19,884	\$10,205,634

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 10. Colfax County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	105	\$3,054,745	\$5,869,360	\$686,638	\$767,026
Trapping Total	0	\$8,893	\$17,783	\$2,039	\$3,071
Hunting:					
Bear	8	\$188,596	\$366,356	\$43,440	\$43,269
Cougar	4	\$103,437	\$201,009	\$23,801	\$21,768
Deer	10	\$266,266	\$521,047	\$60,975	\$63,165
Elk	100	\$2,169,957	\$4,268,312	\$506,911	\$533,880
Ibex-Oryx	1	\$12,539	\$24,625	\$2,895	\$3,036
Javelina	0	\$9,282	\$18,447	\$2,143	\$2,331
Pronghorn Antelope	13	\$302,035	\$587,664	\$69,929	\$70,782
Bighorn-Barbary Sheep	1	\$13,085	\$25,885	\$3,043	\$3,335
Turkey	4	\$130,209	\$252,912	\$29,608	\$29,590
Small Game	24	\$655,926	\$1,252,797	\$148,983	\$125,900
Hunting Total	164	\$3,851,331	\$7,519,055	\$891,727	\$897,056

Table A 11. Curry County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	1,854	14,251	\$3,275,143
Trapping Total	36	1,265	\$53,863
Hunting:			
Bear	7	49	\$121,299
Cougar	7	85	\$120,411
Deer	160	624	\$849,912
Elk	6	30	\$748,106
Ibex-Oryx	0	0	\$47,123
Javelina	0	0	\$46,896
Pronghorn Antelope	33	58	\$106,732
Bighorn-Barbary Sheep	0	0	\$35,281
Turkey	14	50	\$257,031
<i>Big Game Subtotal</i>	<i>325</i>	<i>895</i>	<i>\$2,332,792</i>
Dove	363	2,218	*
Duck	46	206	*
Goose	54	375	*
Grouse	0	0	*
Pheasant	62	117	*
Pigeon	31	102	*
Quail	255	1,182	*
Sandhill Crane	0	0	*
Squirrel	8	23	*
Other	15	65	*
<i>Small Game Subtotal</i>	<i>550</i>	<i>4,288</i>	<i>\$1,310,284</i>
Hunting Total	791	5,182	\$3,643,076

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

* Spending was not estimated for individual small game species.

Table A 12. Curry County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	29	\$952,178	\$1,555,961	\$194,126	\$219,973
Trapping Total	1	\$16,205	\$25,929	\$3,244	\$4,062
Hunting:					
Bear	1	\$38,202	\$62,054	\$7,783	\$8,629
Cougar	1	\$37,859	\$61,429	\$7,721	\$8,379
Deer	8	\$264,585	\$426,454	\$53,626	\$59,769
Elk	7	\$233,917	\$379,683	\$47,621	\$53,210
Ibex-Oryx	0	\$14,581	\$23,486	\$2,949	\$3,388
Javelina	0	\$14,648	\$23,668	\$2,981	\$3,209
Pronghorn Antelope	2	\$36,178	\$64,462	\$7,770	\$9,841
Bighorn-Barbary Sheep	0	\$10,922	\$17,595	\$2,212	\$2,508
Turkey	3	\$79,974	\$129,023	\$16,229	\$18,007
Small Game	14	\$414,833	\$674,289	\$85,119	\$84,993
Hunting Total	38	\$1,145,699	\$1,862,144	\$234,010	\$251,932

Table A 13. De Baca County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	2,443	15,940	\$780,428
Trapping Total	15	801	\$11,122
Hunting:			
Bear	0	0	\$4,818
Cougar	21	102	\$31,378
Deer	273	851	\$109,379
Elk	6	24	\$45,356
Ibex-Oryx	0	0	\$1,537
Javelina	0	0	\$1,768
Pronghorn Antelope	72	175	\$123,961
Bighorn-Barbary Sheep	0	0	\$2,482
Turkey	43	248	\$34,370
<i>Big Game Subtotal</i>	<i>508</i>	<i>1,400</i>	<i>\$355,049</i>
Dove	54	112	*
Duck	54	283	*
Goose	39	120	*
Grouse	0	0	*
Pheasant	0	0	*
Pigeon	15	118	*
Quail	108	573	*
Sandhill Crane	8	39	*
Squirrel	0	0	*
Other	8	39	*
<i>Small Game Subtotal</i>	<i>225</i>	<i>1,284</i>	<i>\$62,871</i>
Hunting Total	658	2,684	\$417,921

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 14. De Baca County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	8	\$173,606	\$345,838	\$41,515	\$78,453
Trapping Total	0	\$2,370	\$5,330	\$628	\$1,718
Hunting:					
Bear	0	\$987	\$1,864	\$232	\$379
Cougar	0	\$6,061	\$13,203	\$1,546	\$2,723
Deer	1	\$21,655	\$41,137	\$5,108	\$10,024
Elk	0	\$9,133	\$17,995	\$2,203	\$4,232
Ibex-Oryx	0	\$304	\$569	\$71	\$122
Javelina	0	\$337	\$627	\$79	\$141
Pronghorn Antelope	1	\$23,646	\$53,710	\$6,145	\$10,978
Bighorn-Barbary Sheep	0	\$443	\$952	\$111	\$289
Turkey	0	\$6,848	\$13,136	\$1,629	\$3,326
Small Game	0	\$18,172	\$22,915	\$3,507	\$500
Hunting Total	4	\$87,586	\$166,107	\$20,630	\$32,714

Table A 15. Dona Ana County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	4,122	40,530	\$16,307,686
Trapping Total	51	1,060	\$249,187
Hunting:			
Bear	7	35	\$807,414
Cougar	49	311	\$852,152
Deer	570	2,664	\$5,430,364
Elk	24	79	\$5,007,909
Ibex-Oryx	287	1,170	\$578,788
Javelina	235	1,080	\$508,546
Pronghorn Antelope	13	27	\$281,851
Bighorn-Barbary Sheep	4	14	\$238,960
Turkey	50	111	\$1,724,819
<i>Big Game Subtotal</i>	<i>1,757</i>	<i>5,492</i>	<i>\$15,430,803</i>
Dove	3,179	25,408	*
Duck	324	1,593	*
Goose	31	135	*
Grouse	0	0	*
Pheasant	0	0	*
Pigeon	54	282	*
Quail	1,682	7,963	*
Sandhill Crane	100	290	*
Squirrel	85	293	*
Other	108	851	*
<i>Small Game Subtotal</i>	<i>4,022</i>	<i>36,817</i>	<i>\$9,169,141</i>
Hunting Total	5,137	42,309	\$24,599,945

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 16. Dona Ana County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	171	\$5,423,125	\$9,056,897	\$1,052,693	\$1,275,111
Trapping Total	3	\$85,815	\$144,799	\$16,709	\$21,030
Hunting:					
Bear	10	\$298,339	\$521,095	\$59,757	\$67,042
Cougar	10	\$315,732	\$550,360	\$63,191	\$70,686
Deer	64	\$1,965,821	\$3,417,250	\$391,953	\$453,048
Elk	61	\$1,878,072	\$3,270,610	\$376,175	\$407,877
Ibex-Oryx	7	\$221,266	\$387,038	\$44,291	\$52,579
Javelina	6	\$185,200	\$324,903	\$37,051	\$44,132
Pronghorn Antelope	3	\$108,911	\$190,064	\$21,894	\$22,640
Bighorn-Barbary Sheep	3	\$86,270	\$151,198	\$17,267	\$20,369
Turkey	21	\$625,830	\$1,089,141	\$124,920	\$143,858
Small Game	119	\$3,504,393	\$5,932,260	\$694,846	\$662,834
Hunting Total	304	\$9,189,834	\$15,833,919	\$1,831,344	\$1,945,066

Table A 17. Eddy County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	5,801	77,514	\$7,263,621
Trapping Total	131	5,191	\$209,564
Hunting:			
Bear	7	7	\$310,825
Cougar	106	778	\$372,324
Deer	2,249	9,896	\$2,919,578
Elk	83	431	\$2,038,495
Ibex-Oryx	15	51	\$142,121
Javelina	210	1,063	\$246,811
Pronghorn Antelope	98	242	\$196,564
Bighorn-Barbary Sheep	264	1,498	\$335,383
Turkey	86	246	\$707,123
<i>Big Game Subtotal</i>	<i>3,863</i>	<i>14,213</i>	<i>\$7,269,226</i>
Dove	2,106	14,381	*
Duck	255	2,278	*
Goose	23	173	*
Grouse	0	0	*
Pheasant	154	296	*
Pigeon	39	324	*
Quail	1,867	11,089	*
Sandhill Crane	39	85	*
Squirrel	54	160	*
Other	93	798	*
<i>Small Game Subtotal</i>	<i>3,131</i>	<i>29,584</i>	<i>\$3,661,495</i>
Hunting Total	5,678	43,796	\$10,930,720

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 18. Eddy County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	63	\$1,997,619	\$3,266,171	\$436,538	\$415,858
Trapping Total	2	\$66,433	\$110,010	\$14,774	\$14,945
Hunting:					
Bear	3	\$100,321	\$177,127	\$22,592	\$19,592
Cougar	4	\$118,845	\$210,784	\$26,860	\$23,659
Deer	30	\$925,536	\$1,616,077	\$208,176	\$188,893
Elk	22	\$676,985	\$1,192,165	\$152,152	\$129,375
Ibex-Oryx	2	\$47,371	\$82,241	\$10,654	\$9,597
Javelina	3	\$78,894	\$137,709	\$17,780	\$16,289
Pronghorn Antelope	2	\$70,566	\$120,039	\$15,710	\$13,629
Bighorn-Barbary Sheep	4	\$116,170	\$195,653	\$25,868	\$23,825
Turkey	7	\$219,887	\$388,032	\$49,632	\$44,817
Small Game	41	\$1,151,000	\$2,160,194	\$263,976	\$208,971
Hunting Total	118	\$3,505,577	\$6,280,023	\$793,401	\$678,647

Table A 19. Grant County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	10,141	100,827	\$6,452,871
Trapping Total	160	4,835	\$114,044
Hunting:			
Bear	349	2,127	\$409,804
Cougar	240	1,958	\$425,196
Deer	3,181	15,183	\$2,533,024
Elk	814	3,977	\$2,142,021
Ibex-Oryx	42	129	\$94,362
Javelina	503	1,421	\$200,768
Pronghorn Antelope	33	73	\$116,060
Bighorn-Barbary Sheep	11	72	\$56,965
Turkey	708	3,303	\$751,280
<i>Big Game Subtotal</i>	<i>6,186</i>	<i>28,244</i>	<i>\$6,729,480</i>
Dove	648	3,418	*
Duck	69	480	*
Goose	0	0	*
Grouse	8	31	*
Pheasant	0	0	*
Pigeon	23	111	*
Quail	741	3,676	*
Sandhill Crane	8	8	*
Squirrel	417	1,474	*
Other	77	411	*
<i>Small Game Subtotal</i>	<i>1,424</i>	<i>9,607</i>	<i>\$2,173,285</i>
Hunting Total	6,802	37,852	\$8,902,764

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 20. Grant County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	74	\$1,896,706	\$3,532,159	\$456,774	\$599,242
Trapping Total	1	\$36,570	\$66,580	\$8,832	\$13,374
Hunting:					
Bear	5	\$132,556	\$256,988	\$32,242	\$35,831
Cougar	6	\$139,544	\$277,564	\$34,645	\$37,800
Deer	30	\$767,392	\$1,517,527	\$189,143	\$216,675
Elk	30	\$709,467	\$1,378,565	\$173,855	\$193,564
Ibex-Oryx	1	\$28,927	\$56,536	\$7,140	\$8,896
Javelina	2	\$60,291	\$121,160	\$14,970	\$16,819
Pronghorn Antelope	2	\$39,532	\$76,625	\$9,686	\$10,703
Bighorn-Barbary Sheep	1	\$17,412	\$34,365	\$4,296	\$4,962
Turkey	9	\$229,243	\$452,003	\$56,660	\$67,490
Small Game	26	\$703,106	\$1,400,724	\$170,854	\$150,363
Hunting Total	112	\$2,827,470	\$5,572,058	\$693,490	\$743,102

Table A 21. Guadalupe County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	3,642	25,399	\$1,166,954
Trapping Total	15	124	\$4,155
Hunting:			
Bear	0	0	\$14,404
Cougar	42	197	\$49,428
Deer	242	863	\$155,477
Elk	18	79	\$123,664
Ibex-Oryx	0	0	\$3,331
Javelina	0	0	\$4,127
Pronghorn Antelope	0	0	\$3,653
Bighorn-Barbary Sheep	0	0	\$2,606
Turkey	0	0	\$26,868
<i>Big Game Subtotal</i>	<i>382</i>	<i>1,139</i>	<i>\$383,558</i>
Dove	247	1,070	*
Duck	123	723	*
Goose	62	251	*
Grouse	0	0	*
Pheasant	0	0	*
Pigeon	15	309	*
Quail	170	698	*
Sandhill Crane	0	0	*
Squirrel	15	31	*
Other	15	77	*
<i>Small Game Subtotal</i>	<i>432</i>	<i>3,159</i>	<i>\$126,484</i>
Hunting Total	765	4,298	\$510,042

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 22. Guadalupe County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	13	\$319,339	\$675,326	\$71,606	\$123,634
Trapping Total	0	\$1,252	\$2,410	\$266	\$583
Hunting:					
Bear	0	\$4,005	\$8,788	\$929	\$1,418
Cougar	1	\$12,907	\$28,540	\$3,029	\$5,154
Deer	2	\$42,455	\$95,359	\$9,981	\$15,081
Elk	1	\$33,449	\$72,431	\$7,746	\$11,510
Ibex-Oryx	0	\$976	\$2,257	\$236	\$258
Javelina	0	\$1,195	\$2,792	\$291	\$323
Pronghorn Antelope	0	\$1,120	\$2,491	\$266	\$271
Bighorn-Barbary Sheep	0	\$762	\$1,765	\$185	\$202
Turkey	0	\$7,479	\$16,817	\$1,765	\$2,535
Small Game	1	\$47,270	\$115,009	\$12,031	\$2,231
Hunting Total	5	\$151,617	\$346,248	\$36,457	\$38,983

Table A 23. Harding County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	807	4,450	\$339,931
Trapping Total	29	2,006	\$16,719
Hunting:			
Bear	35	243	\$88,700
Cougar	21	295	\$24,834
Deer	196	587	\$75,109
Elk	30	113	\$191,076
Ibex-Oryx	4	11	\$4,614
Javelina	0	0	\$1,963
Pronghorn Antelope	268	676	\$556,801
Bighorn-Barbary Sheep	11	36	\$16,387
Turkey	50	195	\$26,961
<i>Big Game Subtotal</i>	<i>683</i>	<i>2,156</i>	<i>\$986,444</i>
Dove	31	169	*
Duck	0	0	*
Goose	0	0	*
Grouse	0	0	*
Pheasant	8	15	*
Pigeon	0	0	*
Quail	46	390	*
Sandhill Crane	0	0	*
Squirrel	0	0	*
Other	23	350	*
<i>Small Game Subtotal</i>	<i>83</i>	<i>924</i>	<i>\$120,106</i>
Hunting Total	724	3,080	\$1,106,549

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

* Spending was not estimated for individual small game species.

Table A 24. Harding County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	3	\$76,580	\$135,823	\$15,983	\$23,544
Trapping Total	0	\$3,657	\$7,349	\$793	\$2,354
Hunting:					
Bear	0	\$12,705	\$21,260	\$2,606	\$4,393
Cougar	0	\$8,390	\$12,612	\$1,652	\$1,726
Deer	1	\$15,076	\$24,814	\$3,095	\$4,888
Elk	1	\$19,583	\$32,852	\$4,029	\$6,830
Ibex-Oryx	0	\$826	\$1,458	\$173	\$352
Javelina	0	\$292	\$507	\$61	\$117
Pronghorn Antelope	2	\$55,435	\$91,844	\$11,242	\$18,186
Bighorn-Barbary Sheep	0	\$1,591	\$2,783	\$333	\$641
Turkey	0	\$5,824	\$9,749	\$1,200	\$2,017
Small Game	1	\$32,443	\$44,550	\$6,220	\$3,078
Hunting Total	5	\$152,165	\$242,431	\$30,611	\$42,228

Table A 25. Hidalgo County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	153	664	\$112,231
Trapping Total	29	1,145	\$16,107
Hunting:			
Bear	35	163	\$72,048
Cougar	57	461	\$58,897
Deer	754	3,056	\$389,742
Elk	77	299	\$391,829
Ibex-Oryx	11	23	\$12,846
Javelina	490	1,341	\$139,707
Pronghorn Antelope	46	125	\$75,512
Bighorn-Barbary Sheep	11	96	\$57,572
Turkey	21	29	\$55,673
<i>Big Game Subtotal</i>	<i>1,807</i>	<i>5,594</i>	<i>\$1,253,824</i>
Dove	316	1,645	*
Duck	23	69	*
Goose	0	0	*
Grouse	8	15	*
Pheasant	0	0	*
Pigeon	15	123	*
Quail	532	2,583	*
Sandhill Crane	0	0	*
Squirrel	15	22	*
Other	23	265	*
<i>Small Game Subtotal</i>	<i>708</i>	<i>4,722</i>	<i>\$365,556</i>
Hunting Total	2,281	10,316	\$1,619,381

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 26. Hidalgo County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	1	\$30,480	\$59,591	\$6,620	\$13,677
Trapping Total	0	\$4,087	\$9,318	\$988	\$2,525
Hunting:					
Bear	1	\$19,223	\$46,516	\$4,782	\$6,673
Cougar	1	\$17,194	\$44,005	\$4,425	\$4,687
Deer	4	\$97,444	\$255,542	\$25,450	\$39,587
Elk	5	\$107,407	\$256,714	\$26,512	\$33,546
Ibex-Oryx	0	\$3,425	\$8,528	\$866	\$1,184
Javelina	2	\$34,984	\$89,760	\$9,048	\$15,375
Pronghorn Antelope	1	\$19,842	\$46,588	\$4,855	\$6,874
Bighorn-Barbary Sheep	1	\$12,415	\$30,789	\$3,170	\$5,502
Turkey	1	\$13,957	\$36,267	\$3,637	\$5,501
Small Game	5	\$141,944	\$360,476	\$35,985	\$16,775
Hunting Total	20	\$467,834	\$1,175,186	\$118,729	\$135,706

Table A 27. Lea County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	2,726	34,067	\$6,022,959
Trapping Total	44	785	\$111,457
Hunting:			
Bear	0	0	\$276,083
Cougar	21	263	\$307,670
Deer	849	3,790	\$2,277,939
Elk	59	269	\$1,867,099
Ibex-Oryx	8	15	\$113,960
Javelina	140	939	\$222,776
Pronghorn Antelope	151	482	\$276,152
Bighorn-Barbary Sheep	11	22	\$104,016
Turkey	14	37	\$612,685
<i>Big Game Subtotal</i>	<i>1,549</i>	<i>5,816</i>	<i>\$6,058,379</i>
Dove	1,404	10,385	*
Duck	46	340	*
Goose	0	0	*
Grouse	0	0	*
Pheasant	15	15	*
Pigeon	31	192	*
Quail	1,250	7,017	*
Sandhill Crane	0	0	*
Squirrel	23	129	*
Other	39	330	*
<i>Small Game Subtotal</i>	<i>2,032</i>	<i>18,407</i>	<i>\$3,423,069</i>
Hunting Total	3,022	24,223	\$9,481,448

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 28. Lea County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	54	\$1,772,934	\$2,855,476	\$375,555	\$362,332
Trapping Total	1	\$36,292	\$57,875	\$7,621	\$7,632
Hunting:					
Bear	3	\$94,687	\$159,679	\$20,327	\$17,654
Cougar	3	\$104,456	\$176,195	\$22,421	\$19,742
Deer	24	\$768,193	\$1,275,631	\$164,114	\$149,681
Elk	20	\$647,966	\$1,090,626	\$139,086	\$119,982
Ibex-Oryx	1	\$38,949	\$64,751	\$8,332	\$7,541
Javelina	3	\$76,607	\$127,929	\$16,427	\$15,082
Pronghorn Antelope	3	\$110,884	\$179,678	\$23,696	\$20,435
Bighorn-Barbary Sheep	1	\$34,470	\$56,695	\$7,350	\$6,940
Turkey	7	\$203,637	\$341,132	\$43,590	\$39,424
Small Game	40	\$1,156,873	\$2,002,473	\$249,733	\$205,159
Hunting Total	106	\$3,236,721	\$5,474,789	\$695,075	\$601,640

Table A 29. Lincoln County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	11,340	69,413	\$6,845,135
Trapping Total	124	2,981	\$63,842
Hunting:			
Bear	335	2,539	\$707,883
Cougar	261	2,281	\$356,210
Deer	3,009	13,540	\$2,256,741
Elk	1,920	9,223	\$3,915,758
Ibex-Oryx	113	409	\$120,474
Javelina	25	69	\$65,049
Pronghorn Antelope	203	510	\$376,237
Bighorn-Barbary Sheep	210	752	\$191,595
Turkey	1,123	5,059	\$804,294
<i>Big Game Subtotal</i>	<i>7,893</i>	<i>34,383</i>	<i>\$8,794,240</i>
Dove	185	617	*
Duck	31	47	*
Goose	23	30	*
Grouse	8	15	*
Pheasant	8	8	*
Pigeon	15	39	*
Quail	162	461	*
Sandhill Crane	0	0	*
Squirrel	177	658	*
Other	69	244	*
<i>Small Game Subtotal</i>	<i>566</i>	<i>2,119</i>	<i>\$2,121,431</i>
Hunting Total	8,126	36,501	\$10,915,671

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 30. Lincoln County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	81	\$2,248,002	\$4,604,092	\$530,937	\$598,300
Trapping Total	1	\$19,719	\$39,873	\$4,598	\$6,544
Hunting:					
Bear	10	\$294,424	\$559,635	\$67,451	\$61,621
Cougar	4	\$136,068	\$277,391	\$32,294	\$27,279
Deer	27	\$777,490	\$1,593,120	\$184,321	\$185,760
Elk	57	\$1,715,585	\$3,167,937	\$388,062	\$343,755
Ibex-Oryx	2	\$43,995	\$87,634	\$10,277	\$10,381
Javelina	1	\$21,120	\$44,046	\$5,045	\$5,622
Pronghorn Antelope	6	\$171,726	\$311,229	\$38,537	\$34,999
Bighorn-Barbary Sheep	3	\$75,205	\$143,925	\$17,292	\$17,043
Turkey	9	\$271,235	\$564,869	\$64,822	\$65,988
Small Game	27	\$827,646	\$1,621,405	\$192,452	\$171,786
Hunting Total	144	\$4,334,497	\$8,371,192	\$1,000,553	\$924,234

Table A 31. Los Alamos County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	2,726	11,451	\$1,202,370
Trapping Total	15	35	\$9,248
Hunting:			
Bear	42	124	\$55,535
Cougar	21	73	\$44,992
Deer	77	266	\$250,962
Elk	583	2,263	\$937,616
Ibex-Oryx	8	15	\$41,488
Javelina	0	0	\$18,262
Pronghorn Antelope	0	0	\$17,129
Bighorn-Barbary Sheep	0	0	\$11,014
Turkey	136	371	\$123,094
<i>Big Game Subtotal</i>	<i>1,007</i>	<i>3,112</i>	<i>\$1,500,090</i>
Dove	39	85	*
Duck	31	50	*
Goose	15	51	*
Grouse	93	291	*
Pheasant	0	0	*
Pigeon	15	39	*
Quail	8	15	*
Sandhill Crane	0	0	*
Squirrel	77	490	*
Other	15	38	*
<i>Small Game Subtotal</i>	<i>216</i>	<i>1,060</i>	<i>\$410,549</i>
Hunting Total	1,166	4,172	\$1,910,640

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 32. Los Alamos County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	10	\$353,974	\$638,433	\$65,463	\$89,803
Trapping Total	0	\$2,600	\$4,449	\$463	\$661
Hunting:					
Bear	1	\$18,766	\$33,473	\$3,441	\$3,749
Cougar	0	\$14,846	\$26,809	\$2,747	\$3,137
Deer	2	\$79,704	\$141,772	\$14,605	\$17,132
Elk	11	\$332,594	\$594,439	\$61,395	\$69,821
Ibex-Oryx	0	\$13,579	\$25,000	\$2,568	\$3,587
Javelina	0	\$5,549	\$10,221	\$1,042	\$1,408
Pronghorn Antelope	0	\$5,705	\$10,449	\$1,071	\$1,317
Bighorn-Barbary Sheep	0	\$3,434	\$6,249	\$639	\$821
Turkey	1	\$39,901	\$70,757	\$7,288	\$8,155
Small Game	4	\$146,520	\$251,537	\$26,123	\$22,339
Hunting Total	21	\$660,597	\$1,170,706	\$120,920	\$131,465

Table A 33. Luna County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	502	2,611	\$2,196,504
Trapping Total	66	2,342	\$64,633
Hunting:			
Bear	0	0	\$139,919
Cougar	85	406	\$179,507
Deer	481	1,559	\$989,382
Elk	71	206	\$996,700
Ibex-Oryx	362	1,660	\$665,512
Javelina	382	1,094	\$168,979
Pronghorn Antelope	26	81	\$87,049
Bighorn-Barbary Sheep	7	44	\$42,787
Turkey	57	207	\$293,499
<i>Big Game Subtotal</i>	<i>2,073</i>	<i>5,258</i>	<i>\$3,563,335</i>
Dove	602	3,681	*
Duck	46	154	*
Goose	15	15	*
Grouse	8	8	*
Pheasant	0	0	*
Pigeon	8	39	*
Quail	941	4,339	*
Sandhill Crane	31	147	*
Squirrel	8	8	*
Other	23	392	*
<i>Small Game Subtotal</i>	<i>1,307</i>	<i>8,783</i>	<i>\$1,672,733</i>
Hunting Total	3,039	14,041	\$5,236,068

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 34. Luna County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	17	\$493,327	\$846,758	\$94,078	\$141,372
Trapping Total	1	\$17,568	\$33,691	\$3,640	\$5,750
Hunting:					
Bear	2	\$40,845	\$78,359	\$8,526	\$10,268
Cougar	2	\$52,853	\$101,893	\$11,086	\$13,245
Deer	10	\$272,600	\$521,452	\$56,084	\$73,301
Elk	12	\$300,490	\$579,170	\$63,564	\$74,387
Ibex-Oryx	10	\$200,856	\$403,135	\$44,982	\$62,313
Javelina	2	\$47,342	\$91,914	\$9,957	\$13,159
Pronghorn Antelope	1	\$27,715	\$54,287	\$6,042	\$6,955
Bighorn-Barbary Sheep	0	\$12,002	\$23,035	\$2,491	\$3,196
Turkey	3	\$81,236	\$155,332	\$16,711	\$21,410
Small Game	18	\$518,609	\$956,425	\$103,963	\$92,737
Hunting Total	60	\$1,554,549	\$2,965,002	\$323,407	\$370,970

Table A 35. McKinley County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	3,293	37,303	\$4,174,386
Trapping Total	66	3,260	\$84,657
Hunting:			
Bear	153	886	\$292,436
Cougar	71	911	\$260,414
Deer	433	2,650	\$1,370,296
Elk	987	4,620	\$2,290,152
Ibex-Oryx	0	0	\$63,610
Javelina	0	0	\$80,424
Pronghorn Antelope	26	53	\$99,766
Bighorn-Barbary Sheep	11	106	\$74,027
Turkey	415	1,467	\$521,680
<i>Big Game Subtotal</i>	<i>2,190</i>	<i>10,692</i>	<i>\$5,052,805</i>
Dove	69	219	*
Duck	31	182	*
Goose	0	0	*
Grouse	8	31	*
Pheasant	0	0	*
Pigeon	8	15	*
Quail	46	230	*
Sandhill Crane	0	0	*
Squirrel	139	841	*
Other	62	316	*
<i>Small Game Subtotal</i>	<i>291</i>	<i>1,834</i>	<i>\$2,123,805</i>
Hunting Total	2,290	12,526	\$7,176,610

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 36. McKinley County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	38	\$932,243	\$1,722,593	\$214,051	\$291,355
Trapping Total	1	\$20,483	\$37,793	\$4,686	\$6,737
Hunting:					
Bear	4	\$86,750	\$159,459	\$19,712	\$21,790
Cougar	3	\$75,735	\$139,503	\$17,175	\$18,775
Deer	16	\$373,485	\$691,267	\$85,078	\$100,888
Elk	31	\$719,801	\$1,337,009	\$165,686	\$187,651
Ibex-Oryx	1	\$17,275	\$32,011	\$3,946	\$4,820
Javelina	1	\$21,141	\$39,206	\$4,827	\$6,054
Pronghorn Antelope	1	\$31,234	\$58,155	\$7,213	\$8,346
Bighorn-Barbary Sheep	1	\$20,362	\$37,550	\$4,647	\$5,696
Turkey	6	\$141,994	\$261,871	\$32,251	\$37,958
Small Game	26	\$611,025	\$1,128,299	\$138,972	\$155,157
Hunting Total	90	\$2,098,801	\$3,884,329	\$479,507	\$547,134

Table A 37. Mora County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	9,857	74,115	\$3,498,128
Trapping Total	15	70	\$1,443
Hunting:			
Bear	139	646	\$159,669
Cougar	120	527	\$141,386
Deer	309	1,204	\$233,481
Elk	1,088	5,038	\$2,087,054
Ibex-Oryx	8	16	\$11,126
Javelina	0	0	\$6,735
Pronghorn Antelope	131	264	\$319,678
Bighorn-Barbary Sheep	18	73	\$23,903
Turkey	293	996	\$130,260
<i>Big Game Subtotal</i>	<i>2,290</i>	<i>8,763</i>	<i>\$3,113,292</i>
Dove	15	54	*
Duck	8	39	*
Goose	23	46	*
Grouse	123	419	*
Pheasant	8	23	*
Pigeon	15	19	*
Quail	15	19	*
Sandhill Crane	0	0	*
Squirrel	77	485	*
Other	31	153	*
<i>Small Game Subtotal</i>	<i>250</i>	<i>1,257</i>	<i>\$438,552</i>
Hunting Total	2,373	10,021	\$3,551,844

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 38. Mora County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	50	\$980,589	\$1,846,800	\$215,070	\$430,661
Trapping Total	0	\$389	\$784	\$85	\$217
Hunting:					
Bear	3	\$54,568	\$98,686	\$12,241	\$19,617
Cougar	3	\$46,586	\$88,811	\$10,887	\$17,272
Deer	4	\$70,865	\$131,212	\$15,677	\$30,568
Elk	41	\$685,582	\$1,298,987	\$160,017	\$246,180
Ibex-Oryx	0	\$3,584	\$6,633	\$807	\$1,373
Javelina	0	\$1,978	\$3,789	\$447	\$874
Pronghorn Antelope	6	\$99,858	\$198,973	\$24,093	\$37,719
Bighorn-Barbary Sheep	0	\$7,325	\$13,972	\$1,681	\$2,951
Turkey	2	\$41,476	\$74,441	\$8,967	\$17,266
Small Game	9	\$156,690	\$278,620	\$35,116	\$53,180
Hunting Total	69	\$1,168,511	\$2,194,125	\$269,933	\$426,999

Table A 39. Otero County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	3,947	22,101	\$4,042,778
Trapping Total	58	2,224	\$79,164
Hunting:			
Bear	223	994	\$355,041
Cougar	240	4,579	\$485,616
Deer	3,187	15,184	\$2,623,191
Elk	2,390	11,173	\$4,261,016
Ibex-Oryx	430	1,553	\$366,772
Javelina	134	643	\$156,251
Pronghorn Antelope	170	413	\$285,074
Bighorn-Barbary Sheep	390	1,895	\$401,134
Turkey	1,516	6,330	\$1,108,873
<i>Big Game Subtotal</i>	<i>9,150</i>	<i>42,763</i>	<i>\$10,042,969</i>
Dove	517	3,588	*
Duck	116	1,363	*
Goose	8	15	*
Grouse	8	23	*
Pheasant	0	0	*
Pigeon	31	94	*
Quail	486	2,809	*
Sandhill Crane	8	62	*
Squirrel	255	1,166	*
Other	54	719	*
<i>Small Game Subtotal</i>	<i>1,049</i>	<i>9,840</i>	<i>\$2,651,548</i>
Hunting Total	9,508	52,604	\$12,694,516

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 40. Otero County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	42	\$1,091,534	\$2,184,667	\$232,481	\$336,487
Trapping Total	1	\$21,046	\$44,673	\$4,579	\$8,111
Hunting:					
Bear	4	\$107,127	\$235,817	\$24,474	\$31,090
Cougar	6	\$153,673	\$344,204	\$35,564	\$36,363
Deer	30	\$728,220	\$1,652,387	\$168,441	\$223,158
Elk	65	\$1,291,024	\$2,848,028	\$297,936	\$400,668
Ibex-Oryx	5	\$107,907	\$236,518	\$24,589	\$34,127
Javelina	2	\$42,773	\$97,490	\$9,914	\$13,937
Pronghorn Antelope	5	\$86,828	\$192,391	\$20,152	\$28,151
Bighorn-Barbary Sheep	5	\$115,002	\$254,623	\$26,364	\$37,642
Turkey	13	\$313,837	\$706,791	\$72,396	\$97,245
Small Game	33	\$815,564	\$1,822,770	\$189,108	\$199,254
Hunting Total	168	\$3,761,955	\$8,391,019	\$868,939	\$1,101,636

Table A 41. Quay County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	6,782	65,847	\$10,278,497
Trapping Total	44	2,480	\$27,758
Hunting:			
Bear	7	105	\$38,415
Cougar	21	160	\$43,122
Deer	267	957	\$250,880
Elk	6	30	\$196,056
Ibex-Oryx	0	0	\$9,526
Javelina	0	0	\$9,799
Pronghorn Antelope	157	369	\$272,197
Bighorn-Barbary Sheep	0	0	\$7,874
Turkey	57	143	\$63,899
<i>Big Game Subtotal</i>	<i>641</i>	<i>1,763</i>	<i>\$891,769</i>
Dove	162	576	*
Duck	31	176	*
Goose	39	138	*
Grouse	0	0	*
Pheasant	0	0	*
Pigeon	15	22	*
Quail	162	1,180	*
Sandhill Crane	8	15	*
Squirrel	0	0	*
Other	15	196	*
<i>Small Game Subtotal</i>	<i>316</i>	<i>2,302</i>	<i>\$334,446</i>
Hunting Total	824	4,065	\$1,226,215

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 42. Quay County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	129	\$2,809,106	\$6,472,984	\$699,731	\$986,219
Trapping Total	0	\$8,033	\$15,553	\$1,781	\$3,816
Hunting:					
Bear	1	\$10,836	\$22,347	\$2,487	\$3,706
Cougar	1	\$11,811	\$24,650	\$2,717	\$4,456
Deer	4	\$65,584	\$137,214	\$15,104	\$24,522
Elk	3	\$56,363	\$116,295	\$13,012	\$18,738
Ibex-Oryx	0	\$2,431	\$5,121	\$561	\$946
Javelina	0	\$2,295	\$4,963	\$530	\$924
Pronghorn Antelope	5	\$92,936	\$185,054	\$21,652	\$29,408
Bighorn-Barbary Sheep	0	\$1,993	\$4,178	\$457	\$799
Turkey	1	\$16,028	\$33,822	\$3,680	\$6,228
Small Game	5	\$94,817	\$202,672	\$22,013	\$24,263
Hunting Total	18	\$355,094	\$736,316	\$82,213	\$113,991

Table A 43. Rio Arriba County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	34,697	282,870	\$12,628,806
Trapping Total	182	6,000	\$86,592
Hunting:			
Bear	844	4,266	\$1,157,456
Cougar	290	1,880	\$412,167
Deer	2,807	13,726	\$2,306,201
Elk	7,585	35,400	\$13,775,218
Ibex-Oryx	34	158	\$106,931
Javelina	13	38	\$64,339
Pronghorn Antelope	249	739	\$563,315
Bighorn-Barbary Sheep	11	25	\$60,166
Turkey	1,101	4,128	\$691,723
<i>Big Game Subtotal</i>	<i>14,346</i>	<i>60,359</i>	<i>\$19,137,517</i>
Dove	255	1,122	*
Duck	201	1,023	*
Goose	139	666	*
Grouse	964	3,422	*
Pheasant	62	166	*
Pigeon	93	294	*
Quail	69	202	*
Sandhill Crane	0	0	*
Squirrel	563	2,762	*
Other	378	1,445	*
<i>Small Game Subtotal</i>	<i>2,148</i>	<i>11,101</i>	<i>\$3,075,378</i>
Hunting Total	15,179	71,460	\$22,212,895

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 44. Rio Arriba County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	141	\$3,527,031	\$7,949,743	\$800,323	\$1,175,364
Trapping Total	1	\$25,295	\$56,724	\$5,691	\$10,193
Hunting:					
Bear	17	\$391,371	\$855,986	\$89,862	\$105,049
Cougar	6	\$140,642	\$319,018	\$33,098	\$35,104
Deer	28	\$694,753	\$1,638,282	\$165,168	\$201,054
Elk	220	\$4,679,008	\$10,011,277	\$1,063,840	\$1,300,480
Ibex-Oryx	1	\$33,762	\$74,898	\$7,750	\$9,923
Javelina	1	\$18,719	\$44,112	\$4,435	\$5,966
Pronghorn Antelope	9	\$193,528	\$409,883	\$43,770	\$54,148
Bighorn-Barbary Sheep	1	\$18,809	\$42,238	\$4,359	\$5,614
Turkey	8	\$211,245	\$498,600	\$50,236	\$59,142
Small Game	44	\$1,102,487	\$2,478,604	\$259,267	\$237,770
Hunting Total	336	\$7,484,324	\$16,372,898	\$1,721,784	\$2,014,249

Table A 45. Roosevelt County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	1,548	22,057	\$1,945,366
Trapping Total	15	163	\$13,981
Hunting:			
Bear	0	0	\$51,958
Cougar	0	0	\$53,272
Deer	362	1,931	\$543,346
Elk	6	30	\$331,353
Ibex-Oryx	0	0	\$19,979
Javelina	0	0	\$22,633
Pronghorn Antelope	26	77	\$74,587
Bighorn-Barbary Sheep	0	0	\$18,379
Turkey	14	43	\$116,712
<i>Big Game Subtotal</i>	<i>591</i>	<i>2,081</i>	<i>\$1,232,218</i>
Dove	432	2,378	*
Duck	39	136	*
Goose	15	54	*
Grouse	0	0	*
Pheasant	46	79	*
Pigeon	15	50	*
Quail	432	2,243	*
Sandhill Crane	15	46	*
Squirrel	0	0	*
Other	8	31	*
<i>Small Game Subtotal</i>	<i>674</i>	<i>5,017</i>	<i>\$614,985</i>
Hunting Total	1,049	7,098	\$1,847,204

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 46. Roosevelt County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	19	\$452,825	\$877,216	\$93,497	\$169,426
Trapping Total	0	\$2,341	\$4,802	\$489	\$1,138
Hunting:					
Bear	1	\$12,847	\$25,862	\$2,726	\$4,424
Cougar	1	\$13,031	\$26,400	\$2,776	\$4,432
Deer	6	\$131,285	\$262,837	\$27,662	\$48,936
Elk	4	\$83,235	\$166,901	\$17,639	\$27,976
Ibex-Oryx	0	\$4,826	\$9,751	\$1,024	\$1,784
Javelina	0	\$5,373	\$10,938	\$1,144	\$1,888
Pronghorn Antelope	1	\$20,814	\$42,802	\$4,547	\$7,908
Bighorn-Barbary Sheep	0	\$4,417	\$8,862	\$931	\$1,753
Turkey	1	\$27,972	\$56,643	\$5,941	\$9,981
Small Game	7	\$152,298	\$311,712	\$32,815	\$38,656
Hunting Total	21	\$456,097	\$922,706	\$97,205	\$147,737

Table A 47. San Juan County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	34,958	349,637	\$28,912,139
Trapping Total	182	7,437	\$297,606
Hunting:			
Bear	49	322	\$598,351
Cougar	148	1,471	\$714,291
Deer	967	4,777	\$3,829,525
Elk	743	2,930	\$4,795,116
Ibex-Oryx	8	48	\$215,068
Javelina	13	41	\$247,449
Pronghorn Antelope	13	35	\$217,807
Bighorn-Barbary Sheep	7	53	\$155,643
Turkey	222	826	\$1,199,988
<i>Big Game Subtotal</i>	<i>2,606</i>	<i>10,503</i>	<i>\$11,973,239</i>
Dove	478	2,509	*
Duck	687	9,461	*
Goose	617	5,586	*
Grouse	8	15	*
Pheasant	31	38	*
Pigeon	23	163	*
Quail	170	1,031	*
Sandhill Crane	0	0	*
Squirrel	123	1,363	*
Other	355	2,961	*
<i>Small Game Subtotal</i>	<i>1,465</i>	<i>23,126</i>	<i>\$6,405,906</i>
Hunting Total	3,664	33,629	\$18,379,145

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 48. San Juan County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	333	\$11,714,212	\$20,520,632	\$2,671,640	\$2,305,642
Trapping Total	3	\$122,215	\$204,680	\$27,511	\$26,295
Hunting:					
Bear	7	\$247,736	\$408,159	\$54,157	\$44,740
Cougar	9	\$301,665	\$496,098	\$65,814	\$53,336
Deer	47	\$1,569,532	\$2,551,666	\$340,046	\$279,379
Elk	64	\$2,027,830	\$3,390,333	\$449,504	\$378,802
Ibex-Oryx	3	\$87,499	\$144,377	\$19,208	\$16,418
Javelina	3	\$100,606	\$164,106	\$21,891	\$18,360
Pronghorn Antelope	3	\$92,706	\$154,342	\$20,368	\$16,444
Bighorn-Barbary Sheep	2	\$63,702	\$104,003	\$13,845	\$11,457
Turkey	15	\$491,327	\$798,791	\$106,428	\$87,388
Small Game	81	\$2,746,030	\$4,358,400	\$576,843	\$403,409
Hunting Total	232	\$7,728,633	\$12,570,274	\$1,668,105	\$1,309,733

Table A 49. San Miguel County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	13,826	118,814	\$6,501,155
Trapping Total	66	2,240	\$57,731
Hunting:			
Bear	112	768	\$193,184
Cougar	78	957	\$123,547
Deer	463	2,228	\$598,675
Elk	410	1,793	\$923,274
Ibex-Oryx	11	32	\$28,026
Javelina	0	0	\$23,289
Pronghorn Antelope	72	157	\$164,880
Bighorn-Barbary Sheep	4	18	\$20,295
Turkey	415	1,697	\$290,295
<i>Big Game Subtotal</i>	<i>1,599</i>	<i>7,652</i>	<i>\$2,365,467</i>
Dove	85	415	*
Duck	69	408	*
Goose	62	261	*
Grouse	147	647	*
Pheasant	8	23	*
Pigeon	8	8	*
Quail	54	331	*
Sandhill Crane	8	8	*
Squirrel	116	474	*
Other	69	350	*
<i>Small Game Subtotal</i>	<i>483</i>	<i>2,924</i>	<i>\$707,217</i>
Hunting Total	1,840	10,576	\$3,072,684

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 50. San Miguel County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	77	\$1,901,595	\$3,979,447	\$416,315	\$696,685
Trapping Total	1	\$17,629	\$34,166	\$3,612	\$7,916
Hunting:					
Bear	3	\$58,999	\$120,819	\$13,033	\$19,484
Cougar	1	\$38,638	\$78,567	\$8,495	\$10,280
Deer	6	\$173,062	\$349,418	\$37,393	\$55,694
Elk	13	\$275,515	\$577,063	\$62,151	\$95,879
Ibex-Oryx	0	\$8,145	\$16,485	\$1,760	\$2,853
Javelina	0	\$6,651	\$13,567	\$1,452	\$2,109
Pronghorn Antelope	3	\$48,491	\$107,539	\$11,569	\$19,118
Bighorn-Barbary Sheep	0	\$5,802	\$11,792	\$1,255	\$2,043
Turkey	3	\$86,203	\$173,312	\$18,643	\$26,357
Small Game	8	\$217,409	\$443,468	\$48,363	\$51,146
Hunting Total	38	\$918,914	\$1,892,030	\$204,114	\$284,963

Table A 51. Sandoval County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	23,836	162,303	\$8,393,740
Trapping Total	117	3,325	\$70,770
Hunting:			
Bear	167	1,345	\$309,836
Cougar	113	1,030	\$242,439
Deer	350	1,458	\$1,151,764
Elk	1,486	6,386	\$2,675,701
Ibex-Oryx	4	8	\$64,516
Javelina	6	19	\$68,845
Pronghorn Antelope	20	35	\$108,995
Bighorn-Barbary Sheep	22	152	\$72,016
Turkey	958	4,082	\$742,661
<i>Big Game Subtotal</i>	<i>3,464</i>	<i>14,514</i>	<i>\$5,436,773</i>
Dove	502	2,198	*
Duck	324	4,326	*
Goose	85	281	*
Grouse	417	1,478	*
Pheasant	31	53	*
Pigeon	77	406	*
Quail	177	710	*
Sandhill Crane	23	39	*
Squirrel	448	1,588	*
Other	177	903	*
<i>Small Game Subtotal</i>	<i>1,740</i>	<i>11,982</i>	<i>\$1,502,502</i>
Hunting Total	4,646	26,496	\$6,939,275

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 52. Sandoval County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	83	\$2,595,225	\$4,727,654	\$540,706	\$677,997
Trapping Total	1	\$21,219	\$39,918	\$4,479	\$6,566
Hunting:					
Bear	4	\$108,853	\$202,465	\$23,142	\$23,632
Cougar	3	\$88,263	\$165,323	\$18,887	\$18,457
Deer	12	\$369,055	\$685,604	\$77,914	\$88,277
Elk	34	\$947,775	\$1,731,896	\$199,944	\$222,482
Ibex-Oryx	1	\$20,246	\$37,753	\$4,280	\$5,255
Javelina	1	\$21,957	\$41,031	\$4,652	\$5,395
Pronghorn Antelope	1	\$37,123	\$68,040	\$7,835	\$9,504
Bighorn-Barbary Sheep	1	\$23,658	\$43,714	\$4,990	\$5,700
Turkey	8	\$249,530	\$465,875	\$52,950	\$54,473
Small Game	19	\$581,733	\$1,115,560	\$126,157	\$83,489
Hunting Total	83	\$2,448,192	\$4,557,262	\$520,752	\$516,666

Table A 53. Santa Fe County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	18,144	114,972	\$18,488,442
Trapping Total	51	1,114	\$255,404
Hunting:			
Bear	112	804	\$845,794
Cougar	49	205	\$787,136
Deer	368	1,515	\$4,635,958
Elk	404	1,966	\$5,146,403
Ibex-Oryx	0	0	\$264,599
Javelina	0	0	\$316,566
Pronghorn Antelope	39	125	\$380,004
Bighorn-Barbary Sheep	0	0	\$195,715
Turkey	465	1,725	\$1,706,531
<i>Big Game Subtotal</i>	<i>1,540</i>	<i>6,340</i>	<i>\$14,278,705</i>
Dove	285	1,122	*
Duck	100	426	*
Goose	39	91	*
Grouse	231	818	*
Pheasant	0	0	*
Pigeon	23	46	*
Quail	77	377	*
Sandhill Crane	0	0	*
Squirrel	139	690	*
Other	154	1,310	*
<i>Small Game Subtotal</i>	<i>833</i>	<i>4,879</i>	<i>\$8,220,930</i>
Hunting Total	2,206	11,220	\$22,499,635

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

* Spending was not estimated for individual small game species.

Table A 54. Santa Fe County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	181	\$6,739,800	\$11,020,517	\$1,268,887	\$1,379,046
Trapping Total	3	\$107,900	\$170,734	\$19,820	\$21,266
Hunting:					
Bear	11	\$362,706	\$581,341	\$67,787	\$68,411
Cougar	10	\$336,012	\$538,452	\$62,835	\$64,170
Deer	58	\$1,930,662	\$3,067,420	\$358,041	\$367,267
Elk	67	\$2,199,975	\$3,551,418	\$413,138	\$426,018
Ibex-Oryx	3	\$109,238	\$175,929	\$20,391	\$21,778
Javelina	4	\$130,996	\$209,076	\$24,339	\$25,484
Pronghorn Antelope	5	\$169,121	\$277,997	\$32,277	\$33,856
Bighorn-Barbary Sheep	2	\$81,296	\$129,973	\$15,128	\$15,776
Turkey	22	\$717,600	\$1,137,005	\$132,886	\$133,978
Small Game	107	\$3,481,753	\$5,500,968	\$644,442	\$629,998
Hunting Total	290	\$9,519,358	\$15,169,577	\$1,771,264	\$1,786,737

Table A 55. Sierra County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	14,982	145,937	\$8,073,156
Trapping Total	29	795	\$16,090
Hunting:			
Bear	188	842	\$169,491
Cougar	106	544	\$145,859
Deer	1,988	9,041	\$1,144,294
Elk	814	3,759	\$1,363,355
Ibex-Oryx	238	885	\$162,034
Javelina	286	754	\$106,810
Pronghorn Antelope	13	19	\$39,204
Bighorn-Barbary Sheep	4	18	\$18,781
Turkey	400	1,516	\$301,802
<i>Big Game Subtotal</i>	<i>4,496</i>	<i>17,380</i>	<i>\$3,451,630</i>
Dove	671	4,228	*
Duck	417	3,341	*
Goose	100	281	*
Grouse	15	25	*
Pheasant	0	0	*
Pigeon	15	213	*
Quail	571	3,088	*
Sandhill Crane	62	126	*
Squirrel	108	388	*
Other	77	726	*
<i>Small Game Subtotal</i>	<i>1,424</i>	<i>12,416</i>	<i>\$906,128</i>
Hunting Total	5,329	29,796	\$4,357,758

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 56. Sierra County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	97	\$2,174,158	\$4,865,567	\$501,332	\$814,472
Trapping Total	0	\$3,912	\$7,999	\$827	\$1,835
Hunting:					
Bear	2	\$48,121	\$109,744	\$11,374	\$16,718
Cougar	2	\$40,658	\$96,598	\$10,048	\$14,327
Deer	13	\$288,558	\$703,961	\$70,288	\$112,519
Elk	20	\$404,459	\$895,457	\$95,648	\$136,060
Ibex-Oryx	2	\$45,351	\$100,296	\$10,482	\$16,576
Javelina	1	\$27,091	\$64,408	\$6,470	\$11,020
Pronghorn Antelope	1	\$12,118	\$26,727	\$2,850	\$3,654
Bighorn-Barbary Sheep	0	\$4,791	\$11,978	\$1,197	\$1,731
Turkey	3	\$74,813	\$178,657	\$17,973	\$29,179
Small Game	10	\$246,168	\$688,446	\$67,555	\$53,265
Hunting Total	56	\$1,192,127	\$2,876,270	\$293,885	\$395,046

Table A 57. Socorro County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	7,022	41,345	\$2,599,408
Trapping Total	95	2,491	\$45,877
Hunting:			
Bear	209	958	\$395,726
Cougar	134	889	\$228,245
Deer	1,377	6,395	\$1,106,067
Elk	1,480	7,232	\$2,763,580
Ibex-Oryx	472	1,814	\$333,220
Javelina	121	377	\$82,375
Pronghorn Antelope	183	501	\$289,732
Bighorn-Barbary Sheep	14	89	\$34,879
Turkey	293	949	\$288,227
<i>Big Game Subtotal</i>	<i>5,204</i>	<i>19,205</i>	<i>\$5,522,051</i>
Dove	1,597	8,721	*
Duck	1,358	11,155	*
Goose	448	1,333	*
Grouse	31	104	*
Pheasant	108	248	*
Pigeon	39	99	*
Quail	1,011	4,530	*
Sandhill Crane	170	281	*
Squirrel	216	724	*
Other	93	612	*
<i>Small Game Subtotal</i>	<i>3,314</i>	<i>27,805</i>	<i>\$1,333,877</i>
Hunting Total	7,768	47,010	\$6,855,928

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 58. Socorro County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	28	\$674,666	\$1,427,635	\$143,480	\$268,835
Trapping Total	1	\$12,412	\$25,616	\$2,555	\$6,380
Hunting:					
Bear	7	\$103,189	\$249,734	\$24,757	\$43,229
Cougar	4	\$58,367	\$149,936	\$14,569	\$23,436
Deer	12	\$267,502	\$683,854	\$64,782	\$111,852
Elk	46	\$739,403	\$1,764,453	\$176,121	\$294,871
Ibex-Oryx	5	\$89,120	\$203,110	\$20,214	\$35,701
Javelina	1	\$19,892	\$49,633	\$4,728	\$8,663
Pronghorn Antelope	5	\$78,126	\$183,981	\$18,535	\$32,161
Bighorn-Barbary Sheep	0	\$8,645	\$22,177	\$2,118	\$3,418
Turkey	3	\$70,210	\$179,679	\$17,053	\$29,117
Small Game	13	\$408,306	\$1,158,452	\$109,359	\$59,465
Hunting Total	96	\$1,842,760	\$4,645,009	\$452,237	\$641,912

Table A 59. Taos County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	25,450	194,144	\$14,314,724
Trapping Total	36	1,340	\$47,963
Hunting:			
Bear	153	613	\$331,282
Cougar	78	478	\$228,974
Deer	641	3,088	\$978,941
Elk	2,259	11,328	\$5,364,589
Ibex-Oryx	0	0	\$46,435
Javelina	0	0	\$41,242
Pronghorn Antelope	46	83	\$176,924
Bighorn-Barbary Sheep	11	21	\$39,444
Turkey	272	1,299	\$365,657
<i>Big Game Subtotal</i>	<i>3,972</i>	<i>16,910</i>	<i>\$7,573,488</i>
Dove	31	232	*
Duck	31	291	*
Goose	39	101	*
Grouse	617	3,486	*
Pheasant	8	31	*
Pigeon	0	0	*
Quail	46	358	*
Sandhill Crane	0	0	*
Squirrel	139	1,052	*
Other	131	1,186	*
<i>Small Game Subtotal</i>	<i>966</i>	<i>6,737</i>	<i>\$1,690,396</i>
Hunting Total	4,421	23,647	\$9,263,884

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 60. Taos County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	162	\$5,058,708	\$9,343,970	\$1,082,177	\$1,068,085
Trapping Total	1	\$15,475	\$26,083	\$3,053	\$3,755
Hunting:					
Bear	5	\$140,877	\$250,364	\$30,336	\$26,726
Cougar	3	\$95,208	\$171,996	\$20,684	\$18,049
Deer	12	\$358,776	\$660,332	\$77,346	\$70,356
Elk	81	\$2,390,689	\$4,209,215	\$515,907	\$450,483
Ibex-Oryx	1	\$17,301	\$31,049	\$3,672	\$3,508
Javelina	0	\$14,566	\$26,879	\$3,134	\$3,002
Pronghorn Antelope	3	\$79,019	\$138,002	\$16,990	\$15,414
Bighorn-Barbary Sheep	1	\$15,444	\$27,856	\$3,328	\$3,074
Turkey	4	\$132,654	\$243,373	\$28,415	\$25,807
Small Game	23	\$713,925	\$1,355,029	\$159,894	\$111,339
Hunting Total	132	\$3,958,459	\$7,114,095	\$859,706	\$727,758

Table A 61. Torrance County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	1,788	9,477	\$982,671
Trapping Total	73	2,053	\$26,980
Hunting:			
Bear	42	182	\$51,508
Cougar	35	423	\$52,877
Deer	516	2,115	\$347,563
Elk	77	298	\$273,375
Ibex-Oryx	4	11	\$15,219
Javelina	0	0	\$12,258
Pronghorn Antelope	164	426	\$228,626
Bighorn-Barbary Sheep	7	57	\$35,898
Turkey	272	1,249	\$195,557
<i>Big Game Subtotal</i>	<i>1,324</i>	<i>4,761</i>	<i>\$1,212,880</i>
Dove	378	1,571	*
Duck	62	352	*
Goose	0	0	*
Grouse	0	0	*
Pheasant	23	93	*
Pigeon	8	23	*
Quail	93	567	*
Sandhill Crane	39	122	*
Squirrel	62	137	*
Other	39	663	*
<i>Small Game Subtotal</i>	<i>583</i>	<i>3,529</i>	<i>\$308,868</i>
Hunting Total	1,807	8,290	\$1,521,748

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 62. Torrance County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	9	\$259,235	\$507,719	\$60,377	\$95,444
Trapping Total	0	\$8,072	\$15,528	\$1,850	\$3,613
Hunting:					
Bear	1	\$14,646	\$31,462	\$3,653	\$4,855
Cougar	1	\$14,667	\$33,662	\$3,763	\$4,602
Deer	4	\$89,943	\$201,809	\$22,667	\$32,181
Elk	3	\$79,362	\$167,008	\$19,676	\$26,496
Ibex-Oryx	0	\$4,025	\$8,503	\$980	\$1,564
Javelina	0	\$3,135	\$6,985	\$783	\$1,235
Pronghorn Antelope	3	\$72,415	\$143,653	\$17,797	\$23,376
Bighorn-Barbary Sheep	0	\$10,565	\$21,420	\$2,602	\$3,674
Turkey	2	\$51,620	\$111,847	\$12,678	\$18,968
Small Game	4	\$83,582	\$215,091	\$23,002	\$17,973
Hunting Total	18	\$423,960	\$941,440	\$107,601	\$134,923

Table A 63. Union County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	1,592	11,628	\$2,256,676
Trapping Total	29	1,584	\$34,052
Hunting:			
Bear	28	85	\$74,630
Cougar	64	328	\$168,458
Deer	285	947	\$255,270
Elk	398	1,454	\$1,321,386
Ibex-Oryx	0	0	\$9,889
Javelina	0	0	\$9,467
Pronghorn Antelope	648	1,494	\$986,470
Bighorn-Barbary Sheep	4	11	\$12,996
Turkey	86	214	\$92,524
<i>Big Game Subtotal</i>	<i>1,740</i>	<i>4,533</i>	<i>\$2,931,090</i>
Dove	54	323	*
Duck	31	98	*
Goose	39	223	*
Grouse	0	0	*
Pheasant	31	74	*
Pigeon	0	0	*
Quail	15	66	*
Sandhill Crane	0	0	*
Squirrel	0	0	*
Other	46	578	*
<i>Small Game Subtotal</i>	<i>192</i>	<i>1,363</i>	<i>\$477,839</i>
Hunting Total	1,848	5,895	\$3,408,929

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 64. Union County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	26	\$632,566	\$1,383,781	\$132,573	\$208,325
Trapping Total	0	\$9,805	\$19,384	\$1,810	\$4,635
Hunting:					
Bear	1	\$25,746	\$51,589	\$5,398	\$7,184
Cougar	3	\$59,571	\$120,132	\$12,854	\$16,604
Deer	3	\$80,035	\$163,573	\$16,582	\$22,782
Elk	22	\$476,091	\$950,364	\$102,069	\$129,339
Ibex-Oryx	0	\$3,265	\$6,653	\$693	\$903
Javelina	0	\$2,745	\$5,665	\$565	\$915
Pronghorn Antelope	16	\$367,262	\$731,556	\$78,311	\$94,189
Bighorn-Barbary Sheep	0	\$4,035	\$8,078	\$820	\$1,306
Turkey	1	\$28,939	\$58,878	\$5,980	\$8,925
Small Game	7	\$178,816	\$365,863	\$38,669	\$35,374
Hunting Total	53	\$1,226,505	\$2,462,352	\$261,942	\$317,521

Table A 65. Valencia County participation and spending in 2013

Activity	Participants ¹	Days ¹	Spending ²
Fishing Total	4,732	40,231	\$4,103,130
Trapping Total	44	644	\$38,464
Hunting:			
Bear	28	107	\$153,906
Cougar	35	141	\$121,749
Deer	131	509	\$857,689
Elk	30	318	\$935,653
Ibex-Oryx	4	8	\$40,982
Javelina	0	0	\$47,187
Pronghorn Antelope	7	65	\$48,738
Bighorn-Barbary Sheep	0	0	\$34,300
Turkey	100	372	\$299,841
<i>Big Game Subtotal</i>	<i>375</i>	<i>1,521</i>	<i>\$2,540,044</i>
Dove	1,165	6,206	*
Duck	949	7,798	*
Goose	224	1,305	*
Grouse	8	108	*
Pheasant	62	161	*
Pigeon	15	409	*
Quail	278	1,813	*
Sandhill Crane	77	88	*
Squirrel	31	240	*
Other	69	1,170	*
<i>Small Game Subtotal</i>	<i>2,023</i>	<i>19,296</i>	<i>\$1,122,986</i>
Hunting Total	2,323	20,817	\$3,663,030

¹Total hunter participants do not equal the sums across species due to overlap in participation.

²Spending may also include purchases (e.g., equipment) by people who only participated in other counties.

*Spending was not estimated for individual small game species.

Table A 66. Valencia County economic contributions (Total effect) in 2013

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing Total	40	\$1,173,565	\$2,232,263	\$244,967	\$365,153
Trapping Total	0	\$10,826	\$20,847	\$2,244	\$3,711
Hunting:					
Bear	2	\$44,778	\$90,202	\$9,730	\$13,851
Cougar	1	\$37,796	\$73,966	\$8,094	\$10,123
Deer	9	\$257,636	\$500,729	\$54,727	\$71,628
Elk	11	\$269,785	\$546,774	\$58,995	\$84,014
Ibex-Oryx	0	\$12,534	\$24,439	\$2,675	\$3,393
Javelina	0	\$14,691	\$28,356	\$3,123	\$3,749
Pronghorn Antelope	1	\$14,426	\$28,755	\$3,124	\$4,246
Bighorn-Barbary Sheep	0	\$10,328	\$20,165	\$2,199	\$2,896
Turkey	3	\$90,568	\$176,709	\$19,291	\$25,313
Small Game	14	\$422,079	\$751,809	\$88,033	\$49,717
Hunting Total	42	\$1,174,620	\$2,241,904	\$249,992	\$268,929

Appendix B: Methodology for estimating economic contributions

The extent of the economic contributions associated with spending for outdoor recreation can be estimated in two ways:

- **Direct effects:** These include the jobs, income and tax revenues that are tied directly to the spending by outdoor recreationists without including multiplier effects.
- **Total effects:** These include the jobs, income and tax revenues that are tied directly to the spending by outdoor recreationists plus the jobs, income and tax revenues that result from the multiplier effects of outdoor recreation spending. The multiplier effect occurs when a direct purchase from a business leads to increased demand for goods and services from other businesses along their supply chain. Also included is economic activity associated with household spending of incomes earned in the affected businesses.

The economic contributions from outdoor recreation, both direct effects and total effects, were estimated with an IMPLAN input-output model for the state and regional economies of New Mexico, and the county economies for hunting economic contributions. The IMPLAN model was developed by MIG, Inc. originally for use by the U.S. Forest Service. Inherent in each IMPLAN model is the relationship between the economic output of each industry (i.e. sales) and the jobs, income and taxes associated with a given level of output. Through those models, it is possible to determine the jobs, income and taxes supported directly by wildlife-based recreationists with and without the multiplier effects.

Input-output models describe how sales in one industry affect other industries. For example, once a consumer makes a purchase, the retailer buys more merchandise from wholesalers, who buy more from manufacturers, who, in turn, purchase new inputs and supplies. In addition, the salaries and wages paid by these businesses stimulate more benefits. Simply, the first purchase creates numerous rounds of purchasing. Input-output analysis tracks the flow of dollars from the consumer through all of the businesses that are affected, either directly or indirectly.

To apply the IMPLAN model, each specific expenditure for outdoor recreation activities was matched to the appropriate industry sector affected by the initial purchase. The spending was estimated with models of the New Mexico economy, therefore all of the resulting contributions represent salaries and wages, total economic effects, jobs and tax revenues that occur within the state of New Mexico. Likewise, models based on specific regions or counties represent the economic effects within the selected region or county. The results do not include any economic activity or indirect contributions that leak out of the state, region, or county of interest. As a result of this leakage, economic contributions at the state level are larger than the sum of corresponding regional or county contributions. This occurs because a portion spending in a particular region (or county) leaks to other regions (or counties) within the state, and this within-state leakage is captured in the New Mexico model.

Estimating Tax Revenues

The IMPLAN model estimates detailed tax revenues at the state and local level and at the federal level. The summary estimates provided in this report represent the total taxes estimated by the IMPLAN model including all income, sales, property and other taxes and fees that accrue to the various local, state and federal taxing authorities.

Appendix C: Explanation of Economic Contribution

Estimations of **economic benefits** can be calculated through two types of measures: economic contributions and economic values. An **economic contribution** addresses the business and financial activity resulting from the use of a resource. **Economic value**, on the other hand, is a non-business measure that estimates the value people receive from an activity after subtracting for their costs and expenditures. This concept is also known as consumer surplus.

There are three types of economic contribution: direct, indirect and induced. A **direct contribution** is defined as the economic contribution of the initial purchase made by the consumer (the original retail sale). **Indirect contributions** are the secondary effects generated from a direct contribution, such as the retailer buying additional inventory, and the wholesaler and manufacturers buying additional materials. Indirect contributions affect not only the industry being studied, but also the industries that supply the first industry. An **induced contribution** results from the salaries and wages paid by the directly and indirectly effected industries. The employees of these industries spend their income on various goods and services. These expenditures are induced contributions, which, in turn, create a continual cycle of indirect and induced effects.

The direct, indirect and induced contribution effects sum together to provide the overall economic contribution of the activity under study. As the original retail purchase (direct contribution) goes through round after round of indirect and induced effects, the economic contribution of the original purchase is multiplied, benefiting many industries and individuals. Likewise, the reverse is true. If a particular item or industry is removed from the economy, the economic loss is greater than the original lost retail sale. Once the original retail purchase is made, each successive round of spending is smaller than the previous round. When the economic benefits are no longer measurable, the economic examination ends.

This study presents several important measures:

Retail Sales – these include expenditures made by outdoor recreationists for equipment, travel expenses and services related to their outdoor activities over the course of the year. These combined initial retail sales represent the “direct output”.

Total Economic Effect – also known as “total output” or “total multiplier effect,” this measure reports the sum of the direct, indirect and induced contributions resulting from the original retail sale. This figure explains the total activity in the economy generated by a retail sale. Another way to look at this figure is, if the activity in question were to disappear and participants did not spend their money elsewhere, the economy would contract by this amount.

Salaries & Wages – this figure reports the total salaries and wages paid in all sectors of the economy as a result of the activity under study. These are not just the paychecks of those employees directly serving recreationists or manufacturing their goods, it also includes portions of the paychecks of, for example, the truck driver who delivers food to the restaurants serving recreationists and the accountants who manage the

books for companies down the supply chain, etc. This figure is based on the direct, indirect and induced effects, and is essentially a portion of the total economic effect figure reported in this study.

Jobs – much like Salaries and Wages, this figure reports the total jobs in all sectors of the economy as a result of the activity under study. These are not just the employees directly serving recreationists or manufacturing their goods, they also include, for example, the truck driver who delivers food to the restaurants serving recreationists and the accountants who manage the books for companies down the supply chain, etc. This figure is based on direct, indirect and induced effects.

GDP Contribution – this represents the total “value added” contribution of economic output made by the industries involved in the production of outdoor recreation goods and services. For a given industry, value added equals the difference between gross output (sales and other income) and intermediate inputs (goods and services imported or purchased from other industries). It represents the contribution to GDP in a given industry for production related to outdoor recreation.

Table C 1. Direct, indirect, and total economic contributions of fishing, hunting, and trapping to New Mexico’s economy in 2013.

	Jobs	Labor Income	GDP	Tax Revenues	
				Federal	State & Local
Fishing					
<i>Direct effect</i>	2,225	\$74,062,026	\$121,146,620	\$14,995,053	\$15,614,124
<i>Multiplier effect</i>	911	\$36,346,375	\$65,126,643	\$7,613,479	\$6,179,691
Total effect	3,136	\$110,408,401	\$186,273,263	\$22,608,532	\$21,793,815
Hunting					
<i>Direct effect</i>	3,537	\$107,977,970	\$178,364,332	\$22,088,092	\$21,000,816
<i>Multiplier effect</i>	1,218	\$48,031,943	\$86,779,494	\$10,124,945	\$8,264,897
Total effect	4,755	\$156,009,913	\$265,143,826	\$32,213,037	\$29,265,713
Trapping					
<i>Direct effect</i>	32	\$1,010,609	\$1,544,309	\$197,149	\$228,497
<i>Multiplier effect</i>	13	\$491,866	\$877,139	\$102,815	\$83,811
Total effect	45	\$1,502,475	\$2,421,448	\$299,964	\$312,308
Combined economic contributions					
<i>Direct effect</i>	5,794	\$183,050,605	\$301,055,262	\$37,280,294	\$36,843,437
<i>Multiplier effect</i>	2,142	\$84,870,185	\$152,783,275	\$17,841,239	\$14,528,399
Total Effect	7,936	\$267,920,790	\$453,838,537	\$55,121,533	\$51,371,836

Appendix D: Angler, hunter, and trapper spending profiles

Table D 1. Angler spending profile

Item	Residents		Nonresidents	
	mean	std. error	mean	std. error
All Items Combined	\$1,621.61		\$1,815.51	
Trip-related spending				
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$218.53	\$7.31	\$173.01	\$11.58
Restaurants and take-out food purchases	\$78.19	\$2.72	\$142.92	\$8.22
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$82.42	\$3.58	\$283.97	\$21.73
Fuel and oil for personal vehicle	\$290.74	\$7.44	\$210.72	\$11.24
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$8.34	\$4.40	\$32.42	\$5.58
Guide fees, pack trip, or package fees	\$18.97	\$3.12	\$144.97	\$21.02
Equipment rental	\$3.19	\$0.62	\$10.38	\$2.36
Heating and cooking fuel	\$22.35	\$1.11	\$17.71	\$5.49
Equipment-related spending				
Rods, reels, poles, and rodmaking components	\$98.02	\$3.69	\$35.87	\$4.30
Tackle (lines, leaders, lures, bait, hooks, sinkers, etc.)	\$81.50	\$2.68	\$52.51	\$2.99
Fish finders and other electronic fish devices	\$19.51	\$2.56	\$3.52	\$1.25
Tackle boxes and other fishing item storage	\$31.08	\$1.28	\$10.47	\$1.24
Auxiliary equipment				
Camping equipment	\$83.04	\$8.21	\$24.13	\$4.44
Binoculars, field glasses, telescopes, etc	\$25.34	\$2.32	\$12.21	\$3.78
Clothing for fishing	\$36.12	\$1.52	\$25.05	\$2.74
Special equipment purchased primarily for fishing				
Cabins	\$17.48	\$5.21	\$30.01	\$5.69
Motorized vehicles (trail bikes, 4X4s, ATVs snowmobiles, camping trailers, RVs, etc.)	\$398.26	\$40.09	\$234.83	\$89.89
Other expenditures				
Magazines, books, DVDs	\$5.90	\$0.50	\$2.75	\$0.49
Membership dues & contributions	\$8.90	\$0.68	\$12.91	\$4.86
Land leasing and ownership	\$45.35	\$19.32	\$276.60	\$222.79
License, stamps, tags, and permits.	\$48.37	\$1.27	\$78.53	\$4.94
<i>Number of Respondents</i>	<i>5,584</i>		<i>746</i>	

Table D 2. Small game hunter trip-related spending profile

Item	<u>Residents</u>		<u>Nonresidents</u>	
	mean	std. error	mean	std. error
Trip-related spending (All items)	\$635.46		\$980.32	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$183.02	\$10.14	\$161.19	\$19.48
Restaurants and take-out food purchases	\$69.29	\$4.07	\$132.39	\$19.08
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$55.69	\$4.92	\$149.86	\$23.18
Fuel and oil for personal vehicle	\$279.17	\$13.45	\$232.19	\$25.43
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$2.62	\$0.98	\$22.30	\$7.63
Guide fees, pack trip, or package fees	\$10.61	\$4.27	\$269.46	\$77.79
Equipment rental	\$7.71	\$3.00	\$1.62	\$1.22
Heating and cooking fuel	\$27.37	\$3.14	\$11.30	\$2.96
<i>Number of Respondents</i>	<i>1,592</i>		<i>192</i>	

Table D 3. Bear hunter trip-related spending profile

Item	<u>Residents</u>		<u>Nonresidents</u>	
	mean	std. error	mean	std. error
Trip-related spending (All items)	\$906.03		\$2,864.51	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$280.22	\$35.82	\$184.91	\$17.64
Restaurants and take-out food purchases	\$80.03	\$21.94	\$161.19	\$19.06
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$82.88	\$28.10	\$252.59	\$51.36
Fuel and oil for personal vehicle	\$366.38	\$79.40	\$259.95	\$24.96
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$6.64	\$4.98	\$97.36	\$26.53
Guide fees, pack trip, or package fees	\$31.91	\$20.91	\$1,881.61	\$192.72
Equipment rental	\$0.55	\$0.71	\$19.60	\$10.53
Heating and cooking fuel	\$57.44	\$11.75	\$7.30	\$2.01
<i>Number of Respondents</i>	<i>165</i>		<i>115</i>	

Table D 4. Cougar hunter trip-related spending profile

Item	Residents		Nonresidents	
	mean	std. error	mean	std. error
Trip-related spending (All items)	\$965.70		\$3,997.60	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$220.09	\$20.00	\$182.30	\$24.25
Restaurants and take-out food purchases	\$96.88	\$15.72	\$180.13	\$23.91
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$80.82	\$12.96	\$181.88	\$32.41
Fuel and oil for personal vehicle	\$465.64	\$46.94	\$215.70	\$23.29
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$5.27	\$2.80	\$121.90	\$37.44
Guide fees, pack trip, or package fees	\$46.23	\$42.24	\$3,110.49	\$409.06
Equipment rental	\$2.84	\$2.82	\$0.00	\$0.00
Heating and cooking fuel	\$47.94	\$6.33	\$5.19	\$2.42
<i>Number of Respondents</i>	154		57	

Table D 5. Deer hunter trip-related spending profile

Item	Residents		Nonresidents	
	mean	std. error	mean	std. error
Trip-related spending (All items)	\$534.25		\$1,330.12	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$189.05	\$6.21	\$174.52	\$7.44
Restaurants and take-out food purchases	\$40.63	\$1.92	\$87.99	\$4.69
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$38.90	\$4.63	\$145.22	\$28.28
Fuel and oil for personal vehicle	\$220.31	\$12.70	\$222.45	\$8.65
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$4.46	\$2.21	\$40.95	\$8.13
Guide fees, pack trip, or package fees	\$10.01	\$4.31	\$643.16	\$66.82
Equipment rental	\$2.54	\$1.07	\$5.22	\$2.52
Heating and cooking fuel	\$28.36	\$1.39	\$10.62	\$1.30
<i>Number of Respondents</i>	1,146		435	

Table D 6. Elk hunter trip-related spending profile

Item	Residents		Nonresidents	
	mean	std. error	mean	std. error
Trip-related spending (All items)	\$770.21		\$3,626.90	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$242.71	\$12.75	\$202.39	\$10.02
Restaurants and take-out food purchases	\$100.08	\$56.66	\$141.73	\$4.68
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$46.64	\$3.28	\$264.75	\$20.74
Fuel and oil for personal vehicle	\$280.39	\$27.17	\$241.95	\$6.11
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$7.12	\$1.98	\$78.74	\$7.11
Guide fees, pack trip, or package fees	\$55.38	\$10.32	\$2,668.30	\$116.89
Equipment rental	\$2.66	\$0.93	\$16.84	\$5.59
Heating and cooking fuel	\$35.24	\$1.20	\$12.21	\$1.97
<i>Number of Respondents</i>	<i>1,717</i>		<i>1,409</i>	

Table D 7. Ibex or oryx hunter trip-related spending profile

Item	Residents		Nonresidents	
	mean	std. error	mean	std. error
Trip-related spending (All items)	\$895.09		\$3,147.68	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$220.76	\$25.22	\$290.09	\$46.52
Restaurants and take-out food purchases	\$106.17	\$8.03	\$269.00	\$43.59
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$143.70	\$12.76	\$350.33	\$46.43
Fuel and oil for personal vehicle	\$341.49	\$24.28	\$333.35	\$49.09
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$1.96	\$1.25	\$182.80	\$84.91
Guide fees, pack trip, or package fees	\$53.65	\$17.05	\$1,683.57	\$299.72
Equipment rental	\$2.65	\$1.78	\$28.27	\$13.30
Heating and cooking fuel	\$24.70	\$4.48	\$10.27	\$3.30
<i>Number of Respondents</i>	<i>360</i>		<i>53</i>	

Table D 8. Javelina hunter trip-related spending profile

Item	Residents		Nonresidents	
	mean	std. error	mean	std. error
Trip-related spending (All items)	\$579.09		\$1,310.74	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$154.99	\$16.98	\$170.96	\$35.40
Restaurants and take-out food purchases	\$63.79	\$5.99	\$171.50	\$45.72
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$91.11	\$11.90	\$185.92	\$63.94
Fuel and oil for personal vehicle	\$247.96	\$16.19	\$380.42	\$111.82
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$0.56	\$0.74	\$46.41	\$31.61
Guide fees, pack trip, or package fees	\$3.39	\$2.78	\$344.79	\$260.23
Equipment rental	\$0.00	\$0.00	\$0.00	\$0.00
Heating and cooking fuel	\$17.29	\$2.50	\$10.74	\$5.64
<i>Number of Respondents</i>	<i>209</i>		<i>20</i>	

Table D 9. Pronghorn hunter trip-related spending profile

Item	Residents		Nonresidents	
	mean	std. error	mean	std. error
Trip-related spending (All items)	\$693.32		\$2,713.82	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$183.84	\$14.05	\$132.39	\$10.97
Restaurants and take-out food purchases	\$58.12	\$5.67	\$135.27	\$17.81
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$82.02	\$11.10	\$216.83	\$43.47
Fuel and oil for personal vehicle	\$237.24	\$16.42	\$216.07	\$15.52
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$0.26	\$0.32	\$92.46	\$20.91
Guide fees, pack trip, or package fees	\$114.45	\$52.80	\$1,905.03	\$260.48
Equipment rental	\$2.33	\$1.36	\$10.71	\$5.03
Heating and cooking fuel	\$15.06	\$2.38	\$5.07	\$1.59
<i>Number of Respondents</i>	<i>186</i>		<i>200</i>	

Table D 10. Bighorn and Barbary sheep hunter trip-related spending profile

Item	Residents		Nonresidents	
	mean	std. error	mean	std. error
Trip-related spending (All items)	\$993.29		\$2,722.30	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$296.72	\$42.88	\$262.98	\$37.89
Restaurants and take-out food purchases	\$95.48	\$19.46	\$159.79	\$24.50
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$89.74	\$11.79	\$288.37	\$78.04
Fuel and oil for personal vehicle	\$400.36	\$44.43	\$323.44	\$40.31
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$1.03	\$0.87	\$37.72	\$34.39
Guide fees, pack trip, or package fees	\$83.10	\$28.65	\$1,625.99	\$364.14
Equipment rental	\$0.95	\$0.99	\$7.79	\$6.04
Heating and cooking fuel	\$25.92	\$3.08	\$16.22	\$6.42
<i>Number of Respondents</i>	257		41	

Table D 11. Turkey hunter trip-related spending profile

Item	Residents		Nonresidents	
	mean	std. error	mean	std. error
Trip-related spending (All items)	\$622.24		\$1,063.33	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$199.40	\$13.02	\$134.37	\$15.41
Restaurants and take-out food purchases	\$63.41	\$9.53	\$84.41	\$10.68
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$44.28	\$6.39	\$138.03	\$29.15
Fuel and oil for personal vehicle	\$270.97	\$19.94	\$187.63	\$17.17
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$0.66	\$0.25	\$91.78	\$31.85
Guide fees, pack trip, or package fees	\$17.37	\$9.25	\$415.89	\$110.65
Equipment rental	\$0.71	\$0.34	\$0.00	\$0.00
Heating and cooking fuel	\$25.44	\$1.65	\$11.22	\$3.09
<i>Number of Respondents</i>	766		102	

Table D 12. Hunter equipment spending profile (all hunters)

Item	<u>Residents</u>		<u>Nonresidents</u>	
	mean	std. error	mean	std. error
Equipment-related spending (All items)	\$2,913.74		\$2,521.49	
Hunting equipment				
Firearms (rifles, shotguns, handguns)	\$320.69	\$11.38	\$143.36	\$18.82
Bows, arrows, archery equipment	\$161.26	\$6.92	\$51.80	\$5.31
Ammunition	\$135.60	\$4.44	\$38.38	\$3.45
Telescopic sights	\$97.83	\$4.40	\$50.98	\$6.70
Decoys or game calls	\$26.49	\$0.96	\$7.93	\$1.53
Hunting dogs and associated costs	\$66.86	\$8.79	\$11.97	\$3.23
Other hunting equipment	\$131.65	\$8.44	\$64.26	\$5.88
Auxiliary equipment				
Camping equipment	\$220.31	\$22.58	\$163.35	\$141.51
Binoculars, field glasses, telescopes, etc.	\$140.19	\$5.21	\$84.56	\$10.15
Clothing for hunting	\$129.13	\$2.64	\$63.51	\$4.29
Special equipment purchased primarily for trapping				
Motorized vehicles (trail bikes, 4X4s, ATVs, snowmobiles, camping trailers, RVs, etc.)	\$990.39	\$58.62	\$288.04	\$59.22
Cabins	\$22.07	\$4.68	\$42.68	\$5.00
Other expenditures				
Magazines, books, DVDs	\$14.64	\$0.58	\$6.36	\$0.97
Land leasing and ownership	\$253.60	\$151.51	\$683.97	\$263.01
Membership dues & contributions	\$28.45	\$1.78	\$18.58	\$3.56
Licenses, stamps, tags, and permits	\$174.57	\$5.02	\$801.77	\$71.94
<i>Number of Respondents</i>	<i>5,912</i>		<i>2,266</i>	

Table D 13. Trapper spending profile

Item	<u>Residents</u>		<u>Nonresidents</u>	
	mean	std. error	mean	std. error
All Items Combined	\$2,084.24		\$3,449.27	
Trip-related spending				
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$119.00	\$15.91	\$259.12	\$62.31
Restaurants and take-out food purchases	\$53.95	\$12.78	\$103.44	\$44.63
Overnight accommodations (hotels/motels, B&Bs campgrounds, cabin rental, etc.)	\$15.99	\$5.88	\$297.31	\$155.79
Fuel and oil for personal vehicle	\$456.89	\$46.01	\$740.34	\$334.19
Transportation services (air transport, taxi boat ferries, shuttle vans, etc.)	\$0.00	\$0.00	\$0.00	\$0.00
Guide fees, pack trip, or package fees	\$19.76	\$25.77	\$0.00	\$0.00
Land use fees (public or private)	\$6.75	\$2.21	\$4.98	\$3.13
Equipment rental	\$0.00	\$0.00	\$0.00	\$0.00
Heating and cooking fuel	\$15.27	\$4.13	\$16.45	\$21.17
Equipment-related spending				
Traps, snares, etc.	\$200.80	\$20.23	\$693.88	\$335.87
Trap or snare parts, accessories, and tools	\$72.85	\$11.14	\$215.24	\$107.87
Lures and bait	\$68.74	\$6.54	\$57.94	\$22.20
Bedding, sifters, covers	\$18.54	\$3.35	\$17.67	\$11.53
Other trapping equipment	\$35.04	\$5.74	\$4.59	\$4.52
Firearms and knives	\$125.96	\$26.93	\$1.53	\$2.12
Ammunition	\$66.79	\$9.82	\$46.45	\$23.63
Animal and fur handling equipment	\$47.68	\$9.20	\$84.63	\$47.18
Auxiliary spending				
Camping equipment	\$42.84	\$22.95	\$2.76	\$3.82
Binoculars, field glasses, telescopes, etc.	\$64.87	\$25.83	\$0.00	\$0.00
Clothing for trapping	\$26.01	\$5.25	\$15.34	\$21.21
Packbaskets, packs & pouches	\$9.26	\$3.13	\$2.75	\$3.90
Processing and taxidermy	\$56.85	\$32.36	\$0.00	\$0.00
Special equipment purchased primarily for trapping				
Cabins	\$1.13	\$1.11	\$0.00	\$0.00
Motorized vehicles (trail bikes, 4X4s, ATVs snowmobiles, camping trailers, RVs, etc.)	\$451.81	\$156.21	\$736.17	\$1,018.09
Other expenditures				
Magazines, books, DVDs	\$20.22	\$4.22	\$2.45	\$3.39
Membership dues & contributions	\$16.06	\$3.17	\$11.81	\$7.45
Land leasing and ownership	\$25.44	\$32.22	\$0.00	\$0.00
License, stamps, tags, and permits.	\$45.73	\$4.54	\$134.43	\$99.96
<i>Number of respondents</i>	179		9	

Appendix E: New Mexico fishing, hunting, and trapping survey

ADVANCE EMAIL NOTIFICATION

Dear hunter, angler or trapper:

In about a week, you will receive an email from the New Mexico Department of Game and Fish inviting you to participate in an online survey about your recent hunting, fishing or trapping experiences in New Mexico. We are conducting this survey to develop an accurate measure of the economic importance of hunting, fishing and trapping in our state. Your participation in the survey will help us accurately demonstrate how much impact hunting, fishing and trapping have on our communities, especially those in rural areas.

This online survey is being conducted for us by Southwick Associates and should take only about 10 minutes of your time. If you have any questions about the survey, please do not hesitate to contact Angelica Gurule at 505-476-8148 or by email at Angelica.Gurule@state.nm.us.

Sincerely,
R.J. Kirkpatrick
Interim Director

EMAIL INVITATION

Dear hunter, angler or trapper:

The New Mexico Department of Game and Fish is conducting a survey to determine the contributions of hunting, fishing and trapping to our county and statewide economies. The survey asks about your hunting, fishing and trapping activities in 2013. The information that we collect will be combined with other data to measure total spending in New Mexico and its contribution to jobs, income and tax revenues.

Your email address and your individual responses will not be shared with anyone outside of this survey effort. You never will be contacted as a result of responding to the survey. Your response will have no effect on your odds of being awarded current or future draw hunts.

Please click [here](#) to complete the short survey being conducted for us by Southwick Associates. It should take fewer than 10 minutes. Even if you only hunt or fish occasionally, your information is important to give us a complete picture of the economic contributions made by people like you who hunt, fish and trap in our state.

Thank you for taking time to provide valuable input about hunting, fishing and trapping in New Mexico.

Sincerely,
R.J. Kirkpatrick
Interim Director

EMAIL REMINDER

Dear hunter, angler or trapper:

Last week, we invited you to participate in our online survey of hunting and fishing in New Mexico. Many of New Mexico's hunters and anglers have responded, but we have not yet received your survey. Our goal is to produce an accurate measure of the contributions that hunting and fishing make to our local and state economies.

Your input is critical to the study's accuracy. Whether you hunted or fished frequently or only a few times last year, we still want to hear from you. Your email address and your individual responses never will be shared with anyone outside of this survey. You will never be contacted as a result of responding to the survey.

Please take a few minutes to answer the survey. You can click [here](#) or copy and paste the following link into your browser address bar: [invite("survey link")]

Thank you,

Sincerely,
R.J. Kirkpatrick
Interim Director

QUESTIONNAIRE

New Mexico NMDGF Hunting, Fishing, and Trapping Survey



Thank you for participating in this survey. The purpose of the survey is to measure the economic contributions of hunting, fishing, and trapping to New Mexico's economy. Please take a few minutes to complete this survey. Your responses will be kept strictly confidential. They will be combined with others and used by the Department to help better meet your hunting, fishing, and trapping needs.

Screener section

S1) Please check any of the following that you did anywhere in New Mexico in 2013.

- Hunting** [show question P1]
- Fishing** [show question P6/P7]
- Trapping** [show question P8/P9/P10]

The screener is used to determine which questions will appear in the survey.

Participation section

Hunting sub-section

P1) During 2013, what categories of game did you pursue on your hunting trip(s) in New Mexico? (Please check all that apply)

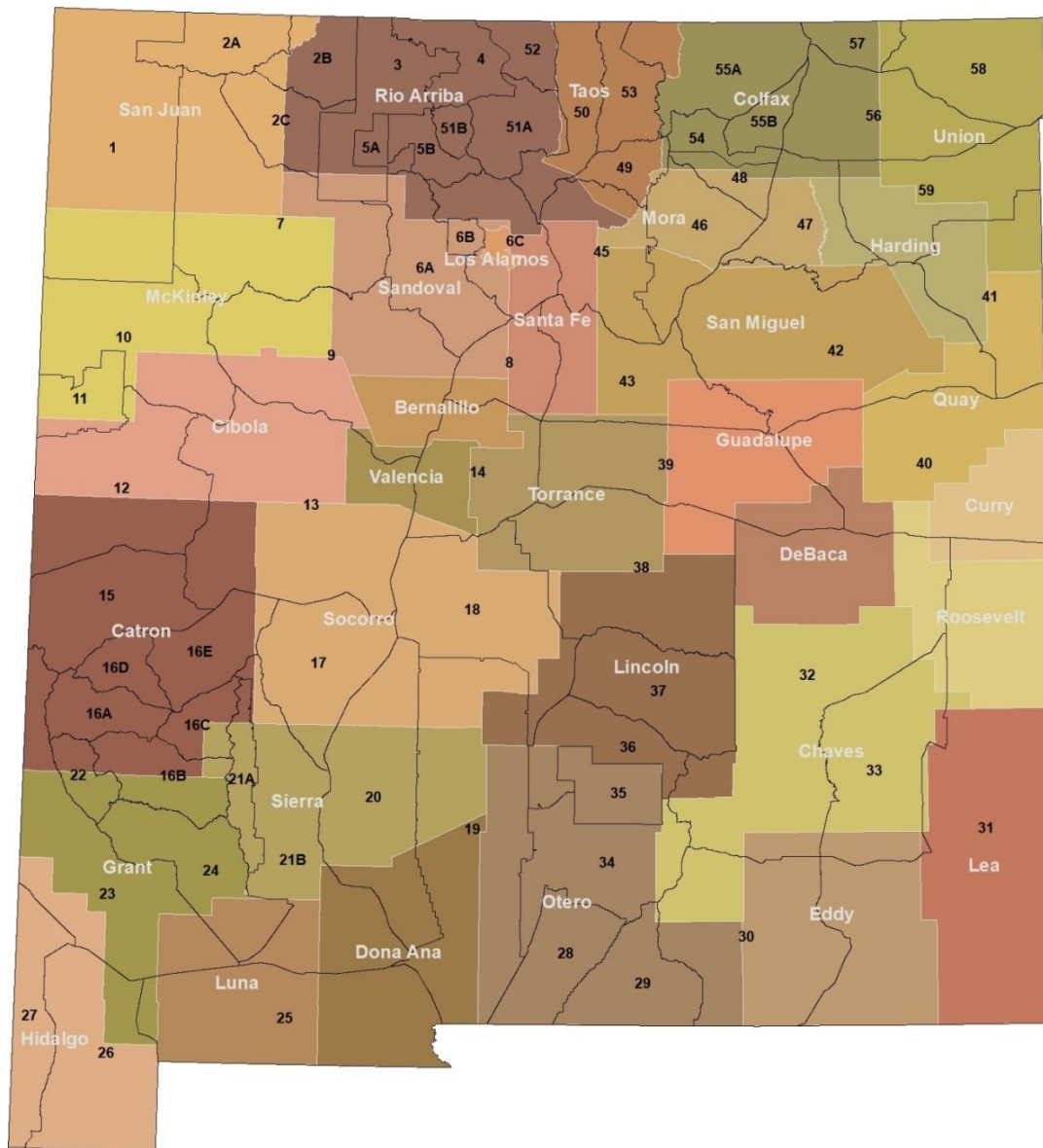
- Big game** (*includes: elk, deer, pronghorn antelope, ibex, oryx, javelina, bighorn sheep, Barbary sheep, bear, cougar and turkey*) [show question P2/P3]
- Small game** (*includes: dove, quail, pheasant, Dusky Blue grouse, Band-tailed pigeon, squirrel, duck, goose, Sandhill crane, and September Teal*) [show question P4/P5]

Based upon the answer(s) to Qs S1&P1, respondents will view questions tailored to those choices. For example, if a respondent pursued only big game, they will see only those questions associated with the 'Big Game Scenario'. If a respondent indicates that they pursued both big game and small game, they will see those questions associated with both the 'Big Game Scenario' and the 'Small Game Scenario'.

Big game

P2) In which county, or counties, did you hunt any big game in 2013? (Please check all that apply)

The figure below is provided for you as a visual reference. Each color represents a county and the county name is labeled in white. The black outlines show each of the Game Management Units across the state and the GMU numbers are labeled in black. If you are more familiar with your hunting location in reference to a GMU, please use the overlay to make your county selection(s).



New Mexico Counties

<input type="checkbox"/> Bernalillo	<input type="checkbox"/> McKinley
<input type="checkbox"/> Catron	<input type="checkbox"/> Mora
<input type="checkbox"/> Chaves	<input type="checkbox"/> Otero
<input type="checkbox"/> Cibola	<input type="checkbox"/> Quay
<input type="checkbox"/> Colfax	<input type="checkbox"/> Rio Arriba
<input type="checkbox"/> Curry	<input type="checkbox"/> Roosevelt
<input type="checkbox"/> De Baca	<input type="checkbox"/> Sandoval
<input type="checkbox"/> Dona Ana	<input type="checkbox"/> San Juan
<input type="checkbox"/> Eddy	<input type="checkbox"/> San Miguel
<input type="checkbox"/> Grant	<input type="checkbox"/> Santa Fe
<input type="checkbox"/> Guadalupe	<input type="checkbox"/> Sierra
<input type="checkbox"/> Harding	<input type="checkbox"/> Socorro
<input type="checkbox"/> Hidalgo	<input type="checkbox"/> Taos
<input type="checkbox"/> Lea	<input type="checkbox"/> Tarrant
<input type="checkbox"/> Lincoln	<input type="checkbox"/> Union
<input type="checkbox"/> Los Alamos	<input type="checkbox"/> Valencia
<input type="checkbox"/> Luna	

Based upon the answer(s) to Q P2, respondents will view questions tailored to their choices. For example, if a respondent pursued big game only in Union county, the next question will be tailored to include only Union county. If a respondent indicates that they pursued big game in more than one county, the next few questions would be tailored to include a separate question for each selected county.

P3) As best as possible, please report the number of days you went hunting in 2013 in [SELECTED COUNTY] for the big game types listed below. If you hunted in more than one county on any particular day, please allocate days based on the location where you spent most of your time.

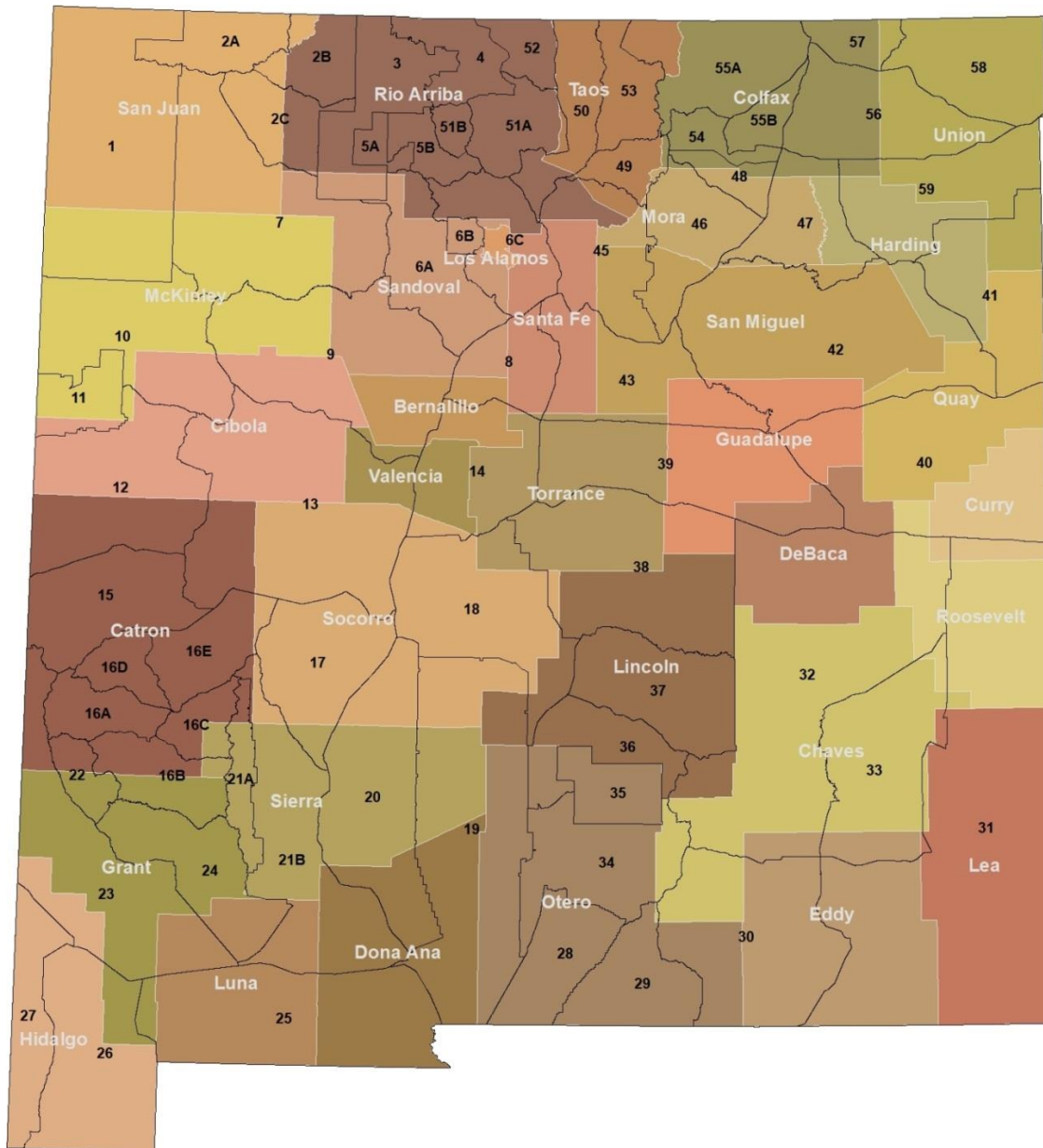
Big Game type	[SELECTED COUNTY]
Barbary sheep	_____ hunting days
Bear	_____ hunting days
Bighorn Sheep	_____ hunting days
Cougar	_____ hunting days
Deer	_____ hunting days
Elk	_____ hunting days
Ibex	_____ hunting days
Javelina	_____ hunting days
Pronghorn antelope	_____ hunting days
Turkey	_____ hunting days
Other:_____	_____ hunting days

Question P3 would repeat for each of the counties selected by the respondent

Small game

P4) In which county, or counties, did you hunt small game in 2013? (Please check all that apply)

The figure below is provided for you as a visual reference. Each color represents a county and the county name is labeled in white. The black outlines show each of the Game Management Units across the state and the GMU numbers are labeled in black. If you are more familiar with your hunting location in reference to a GMU, please use the overlay to make your county selection(s).



New Mexico Counties

<input type="checkbox"/> Bernalillo	<input type="checkbox"/> McKinley
<input type="checkbox"/> Catron	<input type="checkbox"/> Mora
<input type="checkbox"/> Chaves	<input type="checkbox"/> Otero
<input type="checkbox"/> Cibola	<input type="checkbox"/> Quay
<input type="checkbox"/> Colfax	<input type="checkbox"/> Rio Arriba
<input type="checkbox"/> Curry	<input type="checkbox"/> Roosevelt
<input type="checkbox"/> De Baca	<input type="checkbox"/> Sandoval
<input type="checkbox"/> Dona Ana	<input type="checkbox"/> San Juan
<input type="checkbox"/> Eddy	<input type="checkbox"/> San Miguel
<input type="checkbox"/> Grant	<input type="checkbox"/> Santa Fe
<input type="checkbox"/> Guadalupe	<input type="checkbox"/> Sierra
<input type="checkbox"/> Harding	<input type="checkbox"/> Socorro
<input type="checkbox"/> Hidalgo	<input type="checkbox"/> Taos
<input type="checkbox"/> Lea	<input type="checkbox"/> Tarrant
<input type="checkbox"/> Lincoln	<input type="checkbox"/> Union
<input type="checkbox"/> Los Alamos	<input type="checkbox"/> Valencia
<input type="checkbox"/> Luna	

Based upon the answer(s) to Q P6, respondents will view questions tailored to their choices. For example, if a respondent pursued small game only in Union county, the next question will be tailored to include only Union county. If a respondent indicates that they pursued small game in more than one county, the next few questions would be tailored to include a separate question for each selected county.

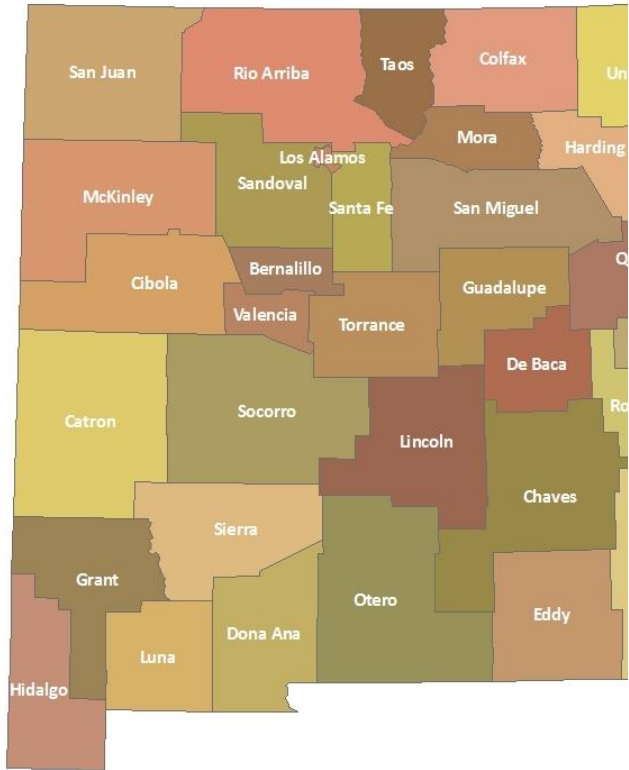
P5) As best as possible, please report the number of days you hunted small game in 2013 in [SELECTED COUNTY] for each small game type listed below. If you hunted in more than one county on any particular day, please allocate days based on the location where you spent most of your time.

Small game type(s)	[SELECTED COUNTY]
Band-tailed pigeon	_____ hunting days
Dove	_____ hunting days
Duck	_____ hunting days
Dusky Blue grouse	_____ hunting days
Goose	_____ hunting days
Pheasant	_____ hunting days
Quail	_____ hunting days
Sandhill Crane	_____ hunting days
Squirrel	_____ hunting days
Other: _____	_____ hunting days

Question P7 would repeat for each of the counties selected by the respondent

Trapping sub-section

P8) In which county, or counties, did you trap in 2013? (Please check all that apply)



- | | |
|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> Bernalillo | <input type="checkbox"/> McKinley |
| <input type="checkbox"/> Catron | <input type="checkbox"/> Mora |
| <input type="checkbox"/> Chaves | <input type="checkbox"/> Otero |
| <input type="checkbox"/> Cibola | <input type="checkbox"/> Quay |
| <input type="checkbox"/> Colfax | <input type="checkbox"/> Rio Arriba |
| <input type="checkbox"/> Curry | <input type="checkbox"/> Roosevelt |
| <input type="checkbox"/> De Baca | <input type="checkbox"/> Sandoval |
| <input type="checkbox"/> Dona Ana | <input type="checkbox"/> San Juan |
| <input type="checkbox"/> Eddy | <input type="checkbox"/> San Miguel |
| <input type="checkbox"/> Grant | <input type="checkbox"/> Santa Fe |
| <input type="checkbox"/> Guadalupe | <input type="checkbox"/> Sierra |
| <input type="checkbox"/> Harding | <input type="checkbox"/> Socorro |
| <input type="checkbox"/> Hidalgo | <input type="checkbox"/> Taos |
| <input type="checkbox"/> Lea | <input type="checkbox"/> Torrance |
| <input type="checkbox"/> Lincoln | <input type="checkbox"/> Union |
| <input type="checkbox"/> Los Alamos | <input type="checkbox"/> Valencia |
| <input type="checkbox"/> Luna | |

P9) As best as possible, please report the number of days you trapped in each county. If you trapped in more than one county on any particular day, please allocate days based on the location where you spent most of your time.

	Trapping days
[SELECTED COUNTY]	_____ days
Additional rows for each [SELECTED COUNTY]	_____ days

P10) What was your estimated annual total revenue generated from trapping-related sales in 2013?

\$ _____ Estimated annual trapping-related revenue
--

Expenditure Section

Respondents would see up to two (2) questions related to spending. Anyone who fished will be asked about all fishing-related expenditures. Hunters will be asked about trip-related spending specific to a single species based on their response to Question S1 and a prioritization matrix. All hunters will be asked about hunting-related equipment spending that includes all of their hunting. Prioritization takes into account the types of license(s) held by any one person with a goal of obtaining adequate response rates to construct average spending profiles for groups of species.

Now we would like to find out more about your trip-related spending when you hunted XXXX in 2013.

E1) Please tell us how much you spent in 2013 on the items associated with your hunting activities.

Trip-related spending	Annual amount spent
Food and Lodging	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$ _____
Restaurants, bars, and take-out food purchases	\$ _____
Overnight accommodations (hotels/motels, B&Bs, campgrounds, cabin rental, etc.)	\$ _____
Transportation	
Fuel and oil for your car, truck, boat, airplane, ATV & other transportation	\$ _____
Transportation services (air transport, taxi, boat ferries, shuttle vans, etc.)	\$ _____
Other trip costs	
Guide fees, pack trip, or package fees	\$ _____
Equipment rental	\$ _____
Heating and cooking fuel	\$ _____

E2) Please tell us about equipment and other expenditures that you made in 2013 that were primarily used for hunting. Please include ALL types of hunting in 2013 when estimating your spending.

Equipment-related spending	Annual amount spent
Hunting equipment	
Firearms (rifles, shotguns, handguns)	\$ _____
Bows, arrows, archery equipment	\$ _____
Ammunition	\$ _____
Telescopic sights	\$ _____
Decoys or game calls	\$ _____
Hunting dogs and associated costs	\$ _____
Other hunting equipment	\$ _____
Other spending	Annual amount spent
Auxiliary equipment	
Camping equipment	\$ _____
Binoculars, field glasses, telescopes, etc.	\$ _____
Clothing for hunting	\$ _____
Special equipment purchased primarily for trapping	
Cabins	\$ _____
Motorized vehicles (trail bikes, 4X4s, ATVs, snowmobiles, camping trailers, RVs, etc.)	\$ _____
Other expenditures	
Magazines, books, DVDs	\$ _____
Membership dues & contributions	\$ _____
Land leasing and ownership	\$ _____
Licenses, stamps, tags, and permits	\$ _____

E3) Tell us how much you spent in 2013 on the items associated with your fishing activities.

Trip-related spending	Annual amount spent
Food and Lodging	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$ _____
Restaurants, bars, and take-out food purchases	\$ _____
Overnight accommodations (hotels/motels, B&Bs, campgrounds, cabin rental, etc.)	\$ _____
Transportation	
Fuel and oil for your car, truck, boat, airplane, ATV & other transportation	\$ _____
Transportation services (air transport, taxi, boat ferries, shuttle vans, etc.)	\$ _____
Other trip costs	
Guide fees, pack trip, or package fees	\$ _____
Equipment rental	\$ _____
Heating and cooking fuel	\$ _____
Equipment-related spending	Annual amount spent
Fishing equipment	
Rods, reels, poles, and rodmaking components	\$ _____
Lines and leaders	\$ _____
Lures, bait and bait containers	\$ _____
Hooks, sinkers, other items attached to lines	\$ _____
Fish finders and other electronic fish devices	\$ _____
Tackle boxes and other fishing item storage	\$ _____
Creels, fish bags, hooks, landing nets	\$ _____
Other fishing equipment	\$ _____
Other spending	Annual amount spent
Auxiliary equipment	
Camping equipment	\$ _____
Binoculars, field glasses, telescopes, etc	\$ _____
Clothing for fishing	\$ _____
Special equipment purchased primarily for fishing	
Cabins	\$ _____
Motorized vehicles (trail bikes, 4X4s, ATVs, snowmobiles, camping trailers, RVs, etc.)	\$ _____
Other expenditures	
Magazines, books, DVDs	\$ _____
Membership dues & contributions	\$ _____
Land leasing and ownership	\$ _____
Licenses, stamps, tags, and permits	\$ _____

E4) Please tell us how much you spent in 2013 related to your trapping activities.

Trip-related spending	Annual amount spent
Food and Lodging	
Groceries, food, liquor bought in stores (not in restaurants or bars)	\$
Restaurants, bars, and take-out food purchases	\$
Overnight accommodations (hotels/motels, B&Bs, campgrounds, cabin rental, etc.)	\$
Transportation	
Fuel and oil for your car, truck, boat, airplane, ATV & other transportation	\$
Transportation services (air transport, taxi, boat ferries, shuttle vans, etc.)	\$
Other trip costs	
Guide fees, pack trip, or package fees	\$
Land use fees (public or private)	\$
Equipment rental	\$
Heating and cooking fuel	\$
Equipment-related spending	Annual amount spent
Trapping equipment	
Traps, snares, etc.	\$
Trap or snare parts, accessories, and tools	\$
Lures and bait	\$
Bedding, sifters, covers	\$
Other trapping equipment	\$
Firearms and knives	\$
Ammunition	\$
Animal and fur handling equipment	\$
Other equipment	Annual amount spent
Auxiliary equipment	
Camping equipment	\$
Binoculars, field glasses, telescopes, etc	\$
Clothing for trapping	\$
Packbaskets, packs, & pouches	\$
Processing and taxidermy	\$
Special equipment purchased primarily for trapping	
Cabins	\$
Motorized vehicles (trail bikes, 4X4s, ATVs, snowmobiles, camping trailers, RVs, etc.)	\$
Other expenditures	
Magazines, books, DVDs	\$
Membership dues & contributions	\$
Land leasing and ownership	\$
Licenses, stamps, tags, and permits	\$

