

California Department of Fish and Game

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REPORT OF THE 1991 GAME TAKE HUNTER SURVEY

Hunter game take questionnaires were mailed to 16,226 randomly selected hunting licensees in July\* of 1992, six months later than usual. These individuals represented approximately 4.4 percent of the total number of licenses sold (371,878) in 1991. One follow-up mailing, as compared to two in previous years, was sent to nonrespondents four weeks after the initial mailing. There were 439 questionnaires returned undeliverable, which left a total of 15,787 possible respondents. A total of 8,888 persons returned the questionnaire, representing approximately 2.4 percent of all hunting license buyers, and a response rate of only 54.8 percent, down 20.6 percent from 1990. It was determined through the analysis of the survey that there was a hunting effort of approximately 371,878 hunting licensees who spent 4,951,716 days in the field.

For the past several years, follow-up mailings to nonrespondents have significantly increased response to the questionnaires. This year only one follow-up mailing was sent out, due to fiscal and personnel constraints, which resulted in a decrease of 20.6 percent in returns as compared to 1990. The increase of follow-up mailings reduces nonresponse bias, the phenomenon of more successful individuals (e.g., hunters) being more inclined to return a questionnaire than unsuccessful or nonparticipating individuals. Nonresponse bias is one of the principle causes of inflated bag and hunter-use figures in surveys of this type. However, statistical analysis of survey data indicated high validity for species pursued by large numbers of hunters.

Hunters from License Sales	1990	1991	Percent Change From 1990
Hunting Licenses**	376,935	371,878	-1
Deer Hunters (applications)	249,129	174,426	-30
Deer Tags	267,668	253,308	-5
Bear Tags	8,615	11,468	+25
Federal Duck Stamps	59,784	68,837	+13
State Duck Stamps	66,994	68,380	+2

\* Questionnaires usually sent out in January of the year.

\*\* Values tend to increase slightly over the following year.

## HUNTING REGULATION CHANGES

### Ducks (including Mergansers)

Colorado River Zone no longer exception for limits on redheads and canvasbacks.

### Northeastern California

Border change.

### American Coot and Common Moorhen

Concurrent with duck season, except that hunting may continue during the interim between segments of split duck seasons.

### Colorado River

Split season from the Friday after the first Saturday in October extending for 10 days and from the third Monday in November extending for 49 days.

### Southern San Joaquin Valley

All of Kings and Tulare counties and that portion of Kern County north of the southern California zone waterfowl season outlined.

### Sacramento Valley

Area extended southerly along the Sacramento River to the town of Grimes on the Grimes-Arbuckle Road.

### Section 507.1, Title 14, CCR

Steel shot required statewide for waterfowl, American Coot and Common Moorhen Hunting.

### Pheasants

Bag and possession limits cover entire state. No county exceptions.

### Quail

Del Norte, Humboldt, Lassen, Modoc, and Siskiyou counties added to balance of state season. Entire counties of Lassen and Modoc added to additional season for mountain quail.

### Sage Grouse

Counties defined as areas. Central Lassen Area outlined. Number of permits changed: East Lassen Area - 325, Central Lassen Area - 100, North Mono Area - 450, South Mono and Inyo Area - 125. Outline for permit application redefined.

### Blue/Ruffed Grouse

Possession limit increased to four in the aggregate of both species.

### White-tailed Ptarmigan

Permit numbers and guidelines deleted.

Deer

Zone/Hunt#

Changes from 1990

A	65000 tags.
D-11	7000 tags.
D-16	4500 tags.
D-17	Area redefined. 500 tags.
S-1	Season change and special condition applied.
S-2	Special condition applied.
S-7	Special condition applied.
S-9	Deleted.
S-16	300 tags for muzzle-loading rifle. 100 tags for archery.
S-23	Area and season redefined.
S-25	Season redefined.
S-26	Area, season, limits, and special conditions defined. 90 tags.
S-27	Season redefined.
S-28	Area, season, limits, and special conditions defined. 20 tags.
S-29	Special condition removed.
S-30 - S-40	Areas, seasons, limits, and special conditions defined. Tag numbers listed.
X-3a	Number of tags = 1250.
X-5a	One season opening on the first Saturday in October and extending for 16 consecutive days. 275 tags.
X-5b	One season opening on the first Saturday in October and extending for 16 consecutive days. 500 tags.
X-5c	One season opening on the first Saturday in October and extending for 16 consecutive days. Special conditions removed. 750 tags.
X-6a	Area redefined. 1200 tags.
X-6b	Area, season, and limits defined. 2450 tags.
X-7a	1360 tags.
X-7b	580 tags.
X-8	900 tags.
X-9a	850 tags.
X-9b	Area redefined. 300 tags.
X-9c	Area, season, and limit defined. 850 tags.
X-10	Seasons and special conditions redefined.
X-11	Period 1 - 500 tags. Period 2 - 500 tags.
X-12	1050 tags.

**Pronghorn Antelope**

Ash Creek Junior Antelope Hunt defined. Permits changed to license tags: 665 Buck, 355 Doe. Authorization redefined. License tag distribution and conditions redefined.

**Elk**

Permits changed to License tags. Guidelines redefined.

**Tule Elk**

Permits changed to tags. Guidelines redefined.

**Bighorn Sheep**

Permits changed to license tags. Guidelines redefined.

**Wild Pig**

Eastern Tehama County added to balance of state.

**Mountain Lion**

Mountain Lion (genus Felis) removed from "Big Game" definition. Sport hunting of mountain lions prohibited.

**Application/Distribution of Deer Tags**

Redefined to include new areas and specific applicant qualifications.

**Raccoon**

Rifles added to method of take.

**Trap Use**

Unpadded leg-hold traps prohibited statewide. Leg-hold traps must be padded, contain anchor chains which are attached to center of trap and swivels at both ends. Shock absorbing device and a pan tension adjusting device must be included in padded traps. All padded traps must be maintained in good condition and trapped furbearing and nongame mammals must be killed or released immediately. Trapping area redefined.

TABLE 1  
ESTIMATED BAG AND HUNTER EFFORT BY SPECIES  
UPLAND GAME

	<u>1990</u>	<u>1991</u>	<u>Percent Change</u>
<u>PHEASANTS</u>			
Statewide Bag	242,136	255,024	+5
Hunters Reported	76,059	87,150	+13
Average Seasonal Bag	3.2	2.9	-9
Total Days Hunted	323,082	384,090	+16
Average Days Hunted	4.3	4.4	+2
<u>QUAIL</u>			
Statewide Bag	865,728	821,688	-5
Hunters Reported	100,683	87,024	-14
Average Seasonal Bag	8.2	9.4	+13
Total Days Hunted	577,962	507,108	-12
Average Days Hunted	5.7	5.8	+2
<u>DOVES</u>			
Statewide Bag	1,651,590	1,922,340	+14
Hunters Reported	111,807	124,782	+10
Average Seasonal Bag	14.8	15.4	+4
Total Days Hunted	427,437	517,482	+17
Average Days Hunted	3.8	4.2	+9
<u>BAND-TAILED PIGEONS</u>			
Statewide Bag	28,674	26,964	-6
Hunters Reported	10,152	8,442	-17
Average Seasonal Bag	2.8	3.2	+12
Total Days Hunted	26,595	23,100	-13
Average Days Hunted	2.6	2.7	+4
<u>CHUKAR PARTRIDGE</u>			
Statewide Bag	43,794	58,128	+25
Hunters Reported	12,312	9,618	-22
Average Seasonal Bag	3.6	6.0	+40
Total Days Hunted	43,443	35,574	-18
Average Days Hunted	3.5	3.7	+5

TABLE 1  
(continued)

	<u>1990</u>	<u>1991</u>	<u>Percent Change</u>
<u>SAGE GROUSE</u>			
Statewide Bag	1,944	462	-76
Hunters Reported	1,755	420	-76
Average Seasonal Bag	1.1	1.1	0
Total Days Hunted	2,538	840	-67
Average Days Hunted	1.5	2.0	+25
<u>BLUE/RUFFED GROUSE</u>			
Statewide Bag	7,776	10,920	+29
Hunters Reported	6,183	5,628	-9
Average Seasonal Bag	1.3	1.9	+32
Total Days Hunted	23,166	26,712	+13
Average Days Hunted	3.8	4.8	+21
<u>JACK RABBITS</u>			
Statewide Bag	286,875	220,668	-23
Hunters Reported	31,482	25,242	-20
Average Seasonal Bag	9.1	8.7	-4
Total Days Hunted	290,628	270,522	-7
Average Days Hunted	9.2	10.7	+14
<u>COTTONTAIL/BRUSH RABBITS</u>			
Statewide Bag	170,964	116,886	-32
Hunters Reported	32,103	20,706	-35
Average Seasonal Bag	5.3	5.7	+7
Total Days Hunted	180,198	142,758	-21
Average Days Hunted	5.6	6.9	+19
<u>TREE SQUIRRELS</u>			
Statewide Bag	123,228	111,720	-9
Hunters Reported	29,214	23,436	-20
Average Seasonal Bag	4.2	4.8	+12
Total Days Hunted	161,487	146,496	-9
Average Days Hunted	5.5	6.3	+13
<u>WILD TURKEY</u>			
Statewide Bag	10,611	8,022	-24
Hunters Reported	25,839	21,210	-18
Average Seasonal Bag	0.4	0.4	0
Total Days Hunted	87,372	72,492	-17
Average Days Hunted	3.4	3.4	0

TABLE 1  
(continued)

	<u>1990</u>	<u>1991</u>	<u>Percent Change</u>
<u>DUCKS</u>			
Statewide Bag	1,027,647	1,297,254	+21
Hunters Reported	73,710	87,360	+16
Average Seasonal Bag	13.9	14.9	+7
Total Days Hunted	564,138	676,074	+17
Average Days Hunted	7.7	7.7	0
<u>GEESE</u>			
Statewide Bag	109,674	122,976	+11
Hunters Reported	35,883	33,474	-7
Average Seasonal Bag	3.1	3.7	+16
Total Days Hunted	306,963	346,542	+11
Average Days Hunted	8.6	10.4	+17
<u>DEER (Hunter Survey)</u>			
Statewide Bag	64,017	39,102	-39
Hunters Reported	304,803	174,426	-43
Total Days Hunted	2,231,307	1,316,070	-41
Average Days Hunted	7.3	7.6	+4
<u>DEER (Tag Returns)</u>			
Statewide Bag	26,736	26,340	-2
Deer Tag Sales	267,668	253,308	-5
<u>BEAR (Hunter Survey)</u>			
Statewide Bag	1,755	1,218	-31
Hunters Reported	12,150	8,232	-32
Total Days Hunted	83,754	64,260	-23
Average Days Hunted	6.9	7.8	+12
<u>BEAR (Tag Returns)</u>			
Statewide Bag	1,187	1,493	+20
Bear Tag Sales	8,615	11,468	+25
<u>WILD PIGS</u>			
Statewide Bag	43,011	22,386	-48
Hunters Reported	54,729	31,206	-43
Average Seasonal Bag	0.8	0.7	-12
Total Days Hunted	367,848	190,764	-48
Average Days Hunted	6.7	6.1	-9

TABLE 2

## SUMMARY OF ESTIMATED STATEWIDE BAG - 1991

<u>Species</u>	<u>Average 1984-1989</u>	<u>1990</u>	<u>1991</u>	<u>Change from 1990</u>
Pheasant	344,144*	242,136	255,024	+5%
Quail	1,041,871	865,728	821,688	-5%
Dove	2,298,251	1,651,590	1,922,340	+14%
Chukar Partridge	43,724	43,794	58,128	+25%
Sage Grouse	939**	1,944	462	-76%
Blue/Ruffed Grouse	7,964	7,776	10,920	+29%
Band-tailed Pigeons	75,518	28,674	26,964	-6%
Wild Turkeys	7,533	10,611	8,022	-24%
Jack Rabbits	316,806	286,875	220,668	-23%
Cottontail Rabbits	278,154	170,964	116,886	-32%
Tree Squirrels	144,282	123,228	111,720	-9%
Ducks	1,305,355	1,027,647	1,297,254	+21%
Geese	124,592	109,674	122,976	+11%
Jacksnipe	22,936	22,842	31,458	+27%
Coots	61,058	11,691	13,524	+13%
Deer (Hunter Survey)	59,012	64,017	39,102	-39%
Deer (Tag Returns)***	29,210	26,736	26,340	-2%
Bear (Hunter Survey)	1,518	1,755	1,218	-31%
Bear (Tag Returns)	1,150	1,187	1,493	+20%
Wild Pigs	44,041	43,011	22,386	-48%

Note: 1989 numbers are rounded to nearest hundred.

\* 1988 pheasant data not comparable to previous years or 1989 data.

\*\* Sage grouse season closed from 1983-1986, data represents 1987-89.

\*\*\*Tag return numbers are not rounded because they are not estimates.



TABLE 3

## REPORTED HUNTING LICENSE AND TAG SALES, HUNTER HARVEST AND EFFORT 1983-1991

LICENSE & TAG SALES	1983	1984	1985	1986	1987	1988	1989	1990	1991
Hunting license	533,728	487,804	488,770	456,681	421,289	411,204	384,096	376,935	371,878
Deer Hunters	278,906	253,725	260,262	210,933	254,728	312,520	213,300	249,129	174,426
Deer Tags	355,581	317,855	314,810	295,220	232,048	260,805	258,686	267,668	253,308
Bear Tags	14,378	11,077	11,944	9,864	11,971	12,561	CLOSED	8,615	11,468
Duck Stamps (Federal)	109,654	107,736	93,253	93,123	89,893	72,631	71,082	59,784	68,837
Duck Stamps (State)	106,806	98,785	97,021	91,377	89,158	79,301	70,898	66,994	68,380
<b>STATE-WIDE BAG</b>									
Deer (Buck Tag Returns)	26,886	32,190	31,651	30,253	25,864	25,112	28,795	26,736	26,340
Deer (Hunter Survey)	51,800	57,492	69,384	5,484	53,278	68,840	39,600	64,017	39,102
Bear (Tag Return)	601	770	1,138	1,035	1,448	1,359	CLOSED	1,187	1,493
Bear (Hunter Survey)	970	1,116	1,617	1,224	1,666	1,960	CLOSED	1,755	1,218
Wild Pigs	35,600	40,392	34,741	56,447	41,310	59,360	32,000	43,011	22,386
Pheasants	442,200	379,440	308,847	241,128	260,950	659,000	215,500	242,136	255,024
Quail	1,410,220	1,004,436	1,110,585	1,095,072	923,270	1,241,560	876,300	865,728	821,688
Doves	2,738,660	2,551,572	2,640,610	2,018,376	1,935,586	2,110,360	2,533,000	1,165,590	1,922,340
Chukar Partridge	67,850	42,408	50,764	38,709	32,402	59,360	38,700	43,794	58,128
Blue and Ruffed Grouse	4,320	7,668	9,947	6,222	8,024	7,120	8,800	7,776	10,920
Sage Grouse	CLOSED	CLOSED	CLOSED	CLOSED	816	1,800	200	1,944	462
Band-Tailed Pigeons	153,590	125,892	77,714	65,229	66,912	40,560	76,800	28,674	26,964
Jack Rabbits	569,850	527,616	365,981	250,155	234,362	349,520	173,200	286,875	220,668
Cottontail Rabbits	441,690	462,024	313,257	261,681	244,324	249,040	138,600	170,964	116,886
Tree Squirrels	141,400	116,064	188,356	131,325	151,164	130,680	148,100	123,228	111,720
Ducks	1,741,050	1,566,324	1,693,244	1,202,529	1,512,150	813,080	1,044,800	1,027,647	1,297,254
Geese	160,630	145,152	201,586	91,086	16,008	91,520	02,200	109,674	122,976
Coots	161,460	145,764	93,492	33,660	50,660	23,080	19,700	11,691	13,524
Jacksnipe	22,500	43,848	24,304	15,045	11,118	25,200	18,100	22,842	31,458
Wild Turkeys	4,050	5,652	7,791	9,690	7,004	8,760	6,300	10,611	8,022
NUMBER HUNTER DAYS	7,833,340	7,090,560	,905,668	5,495,097	5,288,700	6,786,520	5,028,700	6,035,715	4,951,716

TABLE 4  
STATEWIDE HUNTERS 1983-1991

<u>GAME HUNTED</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>
Deer (Applications Sold)	278,906	253,725	260,262	295,220	232,048	219,412	191,479	267,668	253,308
Deer (Hunter Survey)	361,330	286,884	323,596	300,543	254,728	312,520	213,300	304,803	174,426
Bear (Applications Sold)	14,378	11,077	11,944	9,864	11,971	12,561	CLOSED	8,615	11,468
Bear (Hunter Survey)	13,850	11,880	14,406	10,914	11,832	16,520	CLOSED	12,150	8,232
Wild Pigs	39,380	36,108	45,129	49,929	44,472	57,160	36,500	54,729	31,206
Pheasants	137,220	146,808	115,248	82,824	86,938	116,120	76,000	76,059	87,150
Quail	145,310	133,992	125,489	108,018	103,666	115,600	107,400	100,683	87,024
Doves	175,350	173,160	165,571	138,669	134,776	141,360	164,900	111,807	124,782
Chukar Partridge	19,230	19,260	15,925	14,382	12,240	14,960	10,000	12,312	9,618
Blue and Ruffed Grouse	5,200	5,724	6,958	4,947	5,576	5,760	5,300	6,183	5,628
Sage Grouse	CLOSED	CLOSED	CLOSED	CLOSED	816	1,480	500	1,755	420
Band-Tailed Pigeons	25,350	25,812	18,130	14,790	14,756	12,560	15,100	10,152	8,442
Jack Rabbits	64,630	60,480	42,581	32,589	34,068	38,960	26,400	31,482	25,242
Cottontail Rabbits	67,850	64,548	46,697	40,137	39,406	40,080	26,900	32,103	20,706
Tree Squirrels	38,360	32,940	40,376	32,742	34,680	30,400	34,600	29,214	23,436
Ducks	113,070	131,940	118,237	86,598	91,868	68,800	75,300	73,710	87,360
Geese	54,510	58,104	61,446	37,689	38,794	31,400	32,300	35,833	33,674
Coots	12,880	12,636	7,497	4,488	4,556	2,800	2,400	2,052	1,806
Jacksnipe	4,000	5,076	3,724	1,938	1,972	3,040	2,700	2,727	2,436
Wild Turkeys	13,110	16,092	16,023	16,524	17,374	22,840	17,900	25,839	21,210

TABLE 5

## TOP TEN COUNTIES FOR TAKE OF SELECTED GAME SPECIES - 1991

<u>PHEASANTS</u>		% OF STATE <u>TOTAL</u>	<u>JACK RABBITS</u>		% OF STATE <u>TOTAL</u>
1>	COLUSA	15.0	1>	SAN BERNARDINO	11.1
2>	YOLO	13.5	2>	YOLO	9.5
3>	SOLANO	8.6	3>	SAN JOAQUIN	8.8
4>	SUTTER	8.2	4>	SOLANO	6.1
5>	SACRAMENTO	7.5	5>	TULARE	5.6
6>	BUTTE	6.5	6>	KERN	5.5
7>	SAN JOAQUIN	6.4	7>	SISKIYOU	4.8
8>	GLENN	5.4	8>	RIVERSIDE	4.1
9>	STANISLAUS	4.6	9>	SACRAMENTO	3.6
10>	PLACER	2.8	10>	MODOC	3.0
<u>QUAIL</u>			<u>COTTONTAIL RABBITS</u>		
1>	SAN BERNARDINO	10.3	1>	SAN BERNARDINO	19.6
2>	KERN	9.8	2>	RIVERSIDE	8.9
3>	RIVERSIDE	5.1	3>	KERN	7.4
4>	HUMBOLDT	5.0	4>	IMPERIAL	5.3
5>	LOS ANGELES	4.1	5>	STANISLAUS	5.2
6>	TRINITY	4.0	6>	VENTURA	4.0
7>	FRESNO	3.9	7>	SAN DIEGO	4.0
8>	TULARE	3.9	8>	FRESNO	3.6
9>	IMPERIAL	3.7	9>	LOS ANGELES	3.1
10>	SISKIYOU	3.2	10>	SACRAMENTO	3.1
<u>DOVES</u>			<u>DUCKS</u>		
1>	FRESNO	10.3	1>	COLUSA	17.0
2>	KERN	9.1	2>	MERCED	14.7
3>	RIVERSIDE	9.1	3>	SOLANO	9.4
4>	IMPERIAL	8.6	4>	BUTTE	6.3
5>	TULARE	7.7	5>	SUTTER	4.5
6>	SAN BERNARDINO	3.8	6>	IMPERIAL	3.4
7>	SAN JOAQUIN	3.7	7>	RIVERSIDE	3.3
8>	MADERA	3.5	8>	SAN JOAQUIN	3.3
9>	STANISLAUS	3.4	9>	YOLO	3.2
10>	KINGS	3.3	10>	FRESNO	3.1
<u>BAND-TAILED PIGEONS</u>			<u>GEESE</u>		
1>	MONTEREY	8.9	1>	COLUSA	26.0
2>	MENDOCINO	7.0	2>	BUTTE	11.2
3>	TRINITY	5.3	3>	MODOC	9.8
4>	BUTTE	5.1	4>	GLENN	9.0
5>	SAN LUIS OBISPO	5.1	5>	SISKIYOU	8.7
6>	SISKIYOU	4.8	6>	IMPERIAL	8.6
7>	AMADOR	4.5	7>	MERCED	4.0
8>	SAN BERNARDINO	4.2	8>	SUTTER	2.5
9>	SANTA CRUZ	4.2	9>	STANISLAUS	2.3
10>	MARIN	3.9	10>	SAN JOAQUIN	1.9



TABLE 7

## DISTRIBUTION OF HUNTER EFFORT BY GAME SPECIES - 1991

Species	Number of Hunters		Total	Percent of Hunters Per Species		Percent of All Hunters
	Successful	Unsuccessful		Successful	Unsuccessful	
Deer	34,272	140,154	174,426	19.6	80.4	22.6
Bear	1,218	7,014	8,232	14.8	85.2	1.1
Wild Pig	10,542	20,664	31,206	33.8	66.2	4.0
Coyote	7,896	6,384	14,280	55.3	44.7	1.8
Bobcat	294	756	1,050	28.0	72.0	0.1
Crow	4,116	462	4,578	89.9	10.1	0.6
Pheasant	59,220	27,930	87,150	68.0	32.0	11.3
Chukar Partridge	6,678	2,940	9,618	69.4	30.6	1.2
Quail	67,200	19,824	87,024	77.2	22.8	11.3
Doves	112,770	12,012	124,782	90.4	9.6	16.2
Band-tailed Pigeon	5,670	2,772	8,442	67.2	32.8	1.1
Sage Grouse	252	168	420	60.0	40.0	0.1
Blue/Ruffed Grouse	3,738	1,890	5,628	66.4	33.6	0.7
Jack Rabbits	20,790	4,452	25,242	83.1	16.9	3.3
Tree Squirrels	18,606	4,830	23,436	79.4	20.6	3.0
Cottontail Rabbits	17,094	3,612	20,706	82.6	17.4	2.7
Wild Turkeys	6,342	14,868	21,210	29.9	70.1	2.7
Ducks	77,994	9,366	87,360	89.3	10.7	11.3
Geese	23,226	10,248	33,474	69.4	30.6	4.3
Jack Snipe	2,142	294	2,436	87.9	12.1	0.3
Coots	1,638	168	1,806	90.7	9.3	0.2

All Hunters = 371,878

Due to one hunter often hunting more than one species, the percent of All Hunters per species totals to more than 100% and the number of hunter per species exceeds the total number of hunters reported (371,878).

TABLE 8

## HUNTER SUCCESS 1960-91

As Reported by Hunter Survey Respondents  
(Percentage)

	<u>Did Not Hunt</u>	<u>Hunted Unsuccessfully</u>	<u>Hunted Successfully</u>
1960	7	28	65
1961	8	28	64
1962	8	28	64
1963	9	25	66
1964	7	23	70
1965	10	24	67
1966	11	23	66
1967	10	22	68
1968	10	22	68
1969	10	21	69
1970	11	22	67
1971	13	23	64
1972	12	23	65
1973	10	25	65
1974	10	22	68
1975	12	23	65
1976	11	25	64
1977	11	25	64
1978	14	24	62
1979	14	22	63
1980	11	26	64
1981	13	29	58
1982	12	32	56
1983	12	31	57
1984	14	27	59
1985	13	28	59
1986	13	30	57
1987	17	26	57
1988	10	29	61
1989	11	27	62
1990	11	31	58
1991	12	25	63

TABLE 9

STATEWIDE BAG, HUNTERS, DAYS - 1991

	BAG	DOVES HUNTERS	DAYS	BAG	PIGEONS HUNTERS	DAYS	BAG	BLUE/RUFFED GROUSE HUNTERS	DAYS	BAG	TURKEY HUNTERS	DAYS
ALAMEDA	6,720	420	1,260	0	0	0	0	0	0	0	126	1,554
ALPINE	210	42	84	0	42	42	420	210	966	0	42	42
AMADOR	7,014	840	2,058	1,218	252	714	126	84	126	210	840	2,856
BUTTE	39,186	2,982	13,818	336	294	756	0	42	420	168	840	2,856
CALAVARAS	14,028	798	4,536	252	126	168	84	42	84	252	802	4,074
COLUSA	35,784	2,898	8,820	0	0	0	0	0	0	42	42	168
CONTRA COSTA	7,518	714	3,318	252	42	126	0	0	0	0	0	0
DEL NORTE	0	42	84	378	84	1,680	42	84	630	0	0	0
EL DORADO	11,130	1,008	3,108	1,554	504	1,302	210	252	336	546	1,848	7,392
FRESNO	198,198	11,130	77,040	84	168	462	210	84	168	0	168	252
GLENN	24,570	1,890	6,678	420	42	210	42	84	84	84	294	1,512
HUMBOLDT	798	84	84	1,008	378	714	3,402	1,554	4,494	168	378	1,638
IMPERIAL	164,514	9,744	37,968	168	42	84	0	0	0	0	0	0
INYO	18,060	1,092	4,032	0	0	0	135	108	189	0	27	27
KERN	175,854	9,744	41,832	588	252	546	0	0	0	210	672	1,428
KINGS	62,580	3,780	13,020	84	42	84	0	0	0	0	84	84
LAKE	4,956	546	1,386	42	42	42	126	42	84	0	126	126
LASSEN	2,562	210	210	168	42	84	0	0	0	0	0	0
LOS ANGELES	28,476	2,184	10,164	0	84	126	0	0	0	0	0	0
MADERA	66,360	3,402	14,784	0	42	210	0	0	0	0	84	126
MARIN	2016	336	714	1,050	42	252	0	0	0	0	0	0
MARIPOSA	5,208	378	1,050	0	42	42	0	0	0	27	42	84
MERCED	39,270	1,680	7,174	1,890	336	1,134	1,302	252	1,764	378	1,302	4,074
MODOC	4,242	210	966	210	42	126	0	0	0	0	336	756
MONO	2,394	252	294	0	0	0	42	42	336	0	0	0
MONTEREY	13,650	1,512	4,158	2,394	1,008	1,932	0	0	294	42	0	0
NAVAJO	17,010	1,638	5,166	126	42	210	0	0	0	168	378	1,470
NEVADA	2,856	252	420	0	42	42	0	0	294	84	798	3,276
ORANGE	1,848	168	504	126	168	378	0	0	0	0	0	0
PLACER	19,152	1,554	5,124	294	252	756	336	252	1,260	504	1,932	7,854
PLUMAS	462	168	420	0	0	0	0	42	84	42	42	168
RIVERSIDE	174,808	8,190	50,568	1,306	84	462	0	0	0	0	42	84
SACRAMENTO	41,412	4,032	16,926	588	42	210	0	0	0	0	252	882
SAN BENITO	5,670	546	3,906	0	0	0	0	0	0	42	168	2,058
SAN BERNARDINO	72,996	4,788	20,412	1,134	420	882	0	0	0	42	1,386	3,696
SAN DIEGO	25,536	1,176	7,518	714	504	0	0	0	0	0	0	0
SAN JOAQUIN	70,560	4,872	0	0	0	405	0	0	0	0	42	84
SAN LUIS OBISPO	19,320	1,554	18,522	1,386	378	1,008	0	0	0	294	798	2,478
SAN MATEO	2,226	210	5,208	0	0	0	0	0	0	0	0	0
SANTA BARBARA	31,542	1,764	7,756	336	126	504	0	0	0	0	84	378
SANTA CLARA	12,516	756	7,938	168	126	126	0	0	0	0	252	462
SANTA CRUZ	4,620	210	3,570	1,134	210	840	0	0	0	0	0	0
SHASTA	4,452	378	1,008	252	252	588	84	84	168	0	924	3,822
SIERRA	336	42	1,260	252	42	126	252	42	294	0	0	0

	DOVES		PIGEONS		BLUE/RUFFED GROUSE		TURKEY	
	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS
SISKIYOU	14,448	1,344	252	252	1,680	798	42	462
SOLANO	25,242	1,890	4,788	42	0	0	0	0
SOKOMA	19,048	1,428	8,820	126	0	0	0	714
STANISLAUS	65,100	4,074	4,998	126	0	0	42	126
SUTTER	17,892	1,848	10,480	0	0	0	0	84
TEHAMA	45,780	3,066	7,182	84	0	42	252	3,444
TRINITY	862	252	12,978	378	2,394	1,134	42	546
TULARE	147,420	7,770	630	168	42	84	168	672
TUOLUMNE	3,234	588	36,288	210	84	84	0	252
VENTURA	33,852	1,470	2,478	84	0	0	0	0
YOLO	55,230	4,746	15,918	84	0	0	0	0
YUBA	12,054	1,428	5,208	0	0	0	42	1,008
UNKNOWN	37,254	3,108	10,920	252	42	84	0	462
TOTAL	1,922,340	124,782	517,108	8,442	10,920	5,628	3,528	21,210
			23,100					48,258

\*San Francisco not listed because no hunting allowed in county.



TABLE 9 (continued)

STATEWIDE BAG, HUNTERS, DAYS - 1991

	PHEASANT		QUAIL		CHUKAR PARTRIDGE		CROW	
	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS
ALAMEDA	336	84	3,234	420	1,512	42	0	0
ALPINE	252	42	2,142	294	0	0	0	0
AMADOR	0	84	7,986	966	462	168	168	126
BUTTE	16,632	5,544	12,348	1,848	0	0	2,520	210
CALAVARAS	294	210	15,876	1,554	210	84	0	0
COLUSA	38,346	10,458	1,050	462	1,260	126	126	168
CONTRA COSTA	6,888	1,470	1,512	126	252	42	168	42
DEL NORTE	126	84	1,806	294	0	0	0	0
EL DORADO	168	84	24,780	3,024	0	0	0	0
FRESNO	2,772	2,100	32,256	4,158	462	168	1,050	714
GLENN	13,818	4,200	5,460	714	0	0	0	0
HUMBOLDT	882	168	41,034	3,612	756	42	0	0
IMPERIAL	2,730	1,764	29,988	2,646	420	42	0	0
INYO	294	168	4,368	924	882	714	0	0
KERN	4,284	1,764	80,304	6,720	5,502	1,512	3,108	1,628
KINGS	882	966	4,998	255	0	0	0	0
LAKE	84	42	7,308	1,008	0	0	630	210
LASSEN	798	294	2,268	252	2,856	630	0	0
LOS ANGELES	168	42	33,264	3,444	1,176	294	126	378
MADERA	1,218	1,176	11,718	1,302	0	0	0	0
MARIN	210	42	546	168	966	126	42	252
MARIPOSA	0	0	19,614	1,050	0	0	0	0
MERCED	0	42	16,506	1,116	840	42	210	1,806
MERCED	4,746	2,604	5,880	630	588	252	882	714
MODOC	840	546	2,604	378	252	126	84	42
MOMO	0	0	1,470	126	168	126	0	0
MONTEREY	0	0	25,326	2,394	252	126	630	630
NAPA	714	210	6,930	840	42	42	0	0
NEVADA	0	0	5,418	714	420	42	0	0
ORANGE	0	0	1,092	294	0	0	0	0
PLACER	7,182	2,436	8,064	1,890	0	0	126	84
PLUMAS	0	0	2,142	588	0	0	0	0
RIVERSIDE	3,402	546	41,748	3,780	11,088	756	10,710	1,554
SACRAMENTO	19,236	7,476	3,738	798	420	42	504	42
SAN BENITO	1,386	210	4,788	798	588	168	0	0
SAN BERNARDINO	168	84	84,798	7,140	6,006	1,722	9,786	3,150
SAN DIEGO	0	42	13,986	1,722	168	42	798	210
SAN JOAQUIN	16,336	5,166	7,602	1,260	336	84	2,394	1,890
SAN LUIS OBISPO	378	84	16,632	1,722	588	84	0	0
SAN MATEO	0	0	1,596	336	1,302	168	294	84
SANTA BARBARA	168	84	20,328	1,890	882	84	168	42
SANTA CLARA	168	126	6,300	504	0	0	0	0
SANTA CRUZ	0	42	1,386	168	0	0	0	0
SHASTA	168	84	15,246	1,512	0	0	0	0
SIERRA	0	0	1,008	420	0	0	0	0

	PHEASANT			QUAIL			CHICKAR PARTRIDGE			CROW		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS
SISKIYOU	2,562	1,554	6,804	26,460	2,898	25,746	924	126	252	294	126	1,344
SOLANO	22,050	4,956	25,746	5,586	336	4,620	7,305	336	714	294	168	798
SONOMA	1,344	504	2,100	4,116	462	966	1,134	210	210	546	84	336
STANISLAUS	11,760	4,074	18,816	11,340	1,260	6,930	1,638	210	798	12,852	588	109,668
SUTTER	20,958	6,930	31,500	924	252	1,176	3,276	168	1,176	2,394	294	1,596
TEHAMA	2,226	1,366	4,662	17,976	2,058	8,862	0	0	0	0	0	0
TRINITY	756	42	504	32,886	2,856	24,024	0	0	0	42	42	1,260
TULARE	3,360	2,730	11,298	32,214	2,478	10,836	42	42	42	1,974	210	1,050
TUOLUMNE	0	0	0	12,390	1,722	14,364	1,638	84	336	0	0	0
VENTURA	0	0	0	22,806	2,058	11,844	84	84	42	1,050	84	336
YOLO	34,314	10,710	52,584	3,486	714	4,956	210	42	42	1,050	84	1,302
YUBA	4,704	2,058	6,468	5,418	672	4,368	168	42	84	420	42	42
UNKNOWN	4,914	1,638	6,888	7,686	1,554	3,696	1,050	378	840	840	42	210
TOTAL	255,024	87,150	384,094	821,688	87,024	507,108	58,128	9,618	35,574	56,280	4,578	33,012

\* San Francisco not listed because no hunting allowed in county.



	JACKRABBIT		COTTONTAIL		TREE SQUIRREL		DUCKS	
	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS
SISKIYOU	10,626	1,008	1,092	252	2,982	798	32,382	2,898
SOLANO	13,356	1,008	1,344	546	504	126	122,514	6,594
SOKOMA	546	168	0	0	1,428	252	9,744	1,092
STANISLAUS	6,552	840	6,090	924	9,030	252	13,818	1,008
SUTTER	1,176	630	1,050	252	0	0	58,548	4,158
TEHAMA	1,134	210	420	62	4,074	882	6,678	420
TRINITY	1,848	294	336	126	6,762	1,638	756	126
TULARE	12,264	798	3,318	840	2,814	1,008	2,646	336
TUOLOHNE	1,890	126	1,848	126	7,602	1,260	1,638	168
VENTURA	1,050	252	4,662	462	1,260	42	26,712	714
YOLO	20,916	1,386	3,066	378	546	210	41,454	2,268
YUBA	168	168	126	42	420	252	34,314	2,646
UNKNOWN	16,002	798	3,024	588	2,352	840	11,592	2,016
TOTAL	220,668	25,242	116,886	20,706	111,720	23,436	1,297,254	87,360
							146,496	676,074

\* San Francisco not listed because no hunting allowed in county.

TABLE 9 (continued)

STATEWIDE BAG, HUNTERS, DAYS - 1991

	BAG	GEESE HUNTERS	DAYS	BAG	JACKSNIPES HUNTERS	DAYS	BAG	COOTS HUNTERS	DAYS	BAG	COYOTES HUNTERS	DAYS
ALAMEDA	1,512	126	672	0	0	0	0	0	0	126	42	126
ALPINE	0	42	84	0	0	0	0	0	0	0	42	0
AMADOR	210	210	2,856	0	0	0	336	42	42	210	84	378
BUTTE	13,734	2,646	33,474	672	126	798	1,050	168	1,596	252	336	798
CALAVARAS	0	84	126	0	0	0	0	0	0	210	252	546
COLUSA	30,492	6,132	90,636	1,344	168	2,436	1,092	252	672	1,008	210	3,360
CONTRA COSTA	252	210	2,478	0	0	0	0	0	0	84	42	42
DEL NORTE	0	0	0	0	0	0	462	42	42	0	0	0
EL DORADO	0	84	210	0	0	0	0	0	0	42	210	420
FRESNO	168	210	1,092	0	0	0	84	42	42	1,302	588	4,494
GLENN	11,046	1,596	22,050	630	42	210	84	42	252	924	84	630
HUMBOLDT	42	42	126	6,678	588	3,696	1,512	126	2,604	378	462	4,200
IMPERIAL	10,584	2,100	19,824	336	42	126	84	42	84	672	336	1,554
INYO	210	168	1,428	0	0	0	0	0	0	546	252	1,764
KERN	294	462	4,578	168	42	84	3,864	84	2,688	1,260	1,008	3,318
KINGS	0	42	252	0	0	0	0	0	0	126	42	420
LAKE	42	42	420	336	42	84	0	0	0	84	84	42
LASSEN	924	462	2,394	252	42	84	0	0	0	420	336	128
LOS ANGELES	168	126	546	0	0	0	0	0	0	294	462	8,232
MADERA	0	126	294	42	42	84	0	0	0	0	84	84
MARIN	84	84	252	0	0	0	0	0	0	0	84	294
MARIPOSA	0	0	0	0	0	0	0	0	0	0	0	42
MENDOCINO	0	0	0	0	0	0	0	0	0	546	294	8,988
MERCED	4,914	1,932	23,520	4,032	252	1,050	84	84	714	0	126	546
MODOC	12,054	2,814	13,566	126	84	126	0	0	0	714	336	8,316
MONO	84	84	1,260	0	0	0	0	0	0	0	84	210
MONTEREY	0	0	0	0	0	0	0	42	168	210	252	5,460
NAPA	168	210	2,562	420	42	84	0	0	0	252	126	1,344
NEVADA	42	42	0	0	0	0	0	0	0	0	42	0
ORANGE	0	0	0	0	0	0	0	0	0	42	42	588
PLACER	630	546	5,586	0	0	0	210	42	84	42	168	798
PLUMAS	210	126	546	0	0	0	0	0	0	42	168	672
RIVERSIDE	2,184	1,680	13,608	420	84	840	1,260	168	1,302	1,806	714	7,434
SACRAMENTO	2,100	756	4,830	210	42	84	294	84	126	210	210	882
SAN BENITO	0	0	0	0	0	0	42	42	42	126	84	126
SAN BERNARDINO	1,932	504	3,654	0	0	0	0	0	0	3,738	1,260	32,508
SAN DIEGO	168	210	966	0	0	0	840	42	42	966	462	3,108
SAN JOAQUIN	2,394	798	7,308	504	84	210	126	42	168	336	210	1,260
SAN LUIS OBISPO	0	0	0	0	0	0	84	42	42	42	42	210
SAN MATEO	0	0	0	0	0	0	0	0	0	84	84	840
SANTA BARBARA	462	42	1,134	0	0	0	0	0	0	714	294	16,968
SANTA CLARA	0	0	0	0	0	0	0	0	0	42	42	126
SANTA CRUZ	0	0	0	0	0	0	0	0	0	0	0	0
SHASTA	1,512	420	2,352	0	0	0	0	0	0	210	210	210
SIERRA	0	0	0	0	0	0	0	0	0	42	126	462

	GEESE		JACKSNIPES		COOTS		COYOTES		DAYS
	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS	
SISKIYOU	10,710	2,310	23,982	126	126	168	210	462	1,386
SOLANO	882	798	224	126	798	84	252	336	3,150
SONOMA	42	84	378	84	1,092	0	42	126	210
STANISLAUS	2,772	252	4,998	0	0	0	840	420	3,150
SUTTER	3,066	1,596	17,556	84	420	42	126	126	924
TEHAMA	210	210	588	0	0	0	1,386	84	1,974
TRINITY	0	0	0	0	0	0	504	294	2,142
TULARE	168	42	1,050	0	0	0	1,008	672	15,372
TUOLOHNE	126	84	168	0	0	0	42	126	504
VENTURA	462	168	4,116	126	2,898	42	1,470	378	2,520
YOLO	1,218	840	7,560	84	126	0	336	336	3,822
YUBA	1,764	882	8,736	0	0	0	0	84	336
UNKNOWN	2,940	1,050	5,502	84	84	42	504	378	1,806
TOTAL	122,976	33,474	346,542	2,436	15,540	1,806	24,822	14,280	160,314

\* San Francisco not listed because no hunting allowed in county.

TABLE 9 (continued)

STATEWIDE BAG, HUNTERS, DAYS - 1991

	BAG	BOSCAT HUNTERS	DAYS	BAG	DEER HUNTERS	DAYS	BAG	WILD PIG HUNTERS	DAYS	BAG	BEAR HUNTERS	DAYS
ALAMEDA	0	0	0	504	840	5,418	84	252	3,402	0	0	0
ALPINE	42	42	168	588	3,864	26,964	0	0	0	0	84	336
AMADOR	0	0	0	462	3,234	27,384	0	0	0	0	42	420
BUTTE	0	42	840	588	3,234	28,602	0	126	546	0	84	1,134
CALAVARAS	0	0	0	630	4,536	33,432	0	0	0	0	126	252
COLUSA	0	0	0	126	1,050	7,938	546	546	7,140	0	0	0
CONTRA COSTA	0	0	0	126	504	4,536	0	0	0	0	0	0
DEL NORTE	0	42	1,596	504	1,680	17,178	0	0	0	126	378	4,998
EL DORADO	84	42	672	1,428	13,104	100,968	42	84	798	42	420	3,402
FRESNO	126	84	294	210	3,528	24,024	504	1,134	4,998	84	210	4,536
GLENN	0	0	0	168	1,890	14,196	126	126	714	0	168	546
HUMBOLDT	0	126	798	5,586	11,844	112,518	2,058	1,176	3,948	126	714	7,056
IMPERIAL	0	0	0	84	1,714	1,848	0	0	0	0	0	0
INYO	0	42	168	42	504	3,108	0	0	0	0	0	0
KERN	0	0	0	1,134	5,040	29,316	126	252	1,428	0	294	1,092
KINGS	0	0	0	0	252	1,932	168	378	1,092	0	0	0
LAKE	0	0	0	924	3,192	28,896	504	1,134	7,896	0	0	0
LASSEN	0	42	252	252	2,520	14,574	0	0	0	42	42	84
LOS ANGELES	0	42	42	168	2,772	21,420	0	0	0	0	84	1,428
MADERA	0	0	0	0	1,638	8,568	0	84	294	0	42	294
MARIN	0	0	0	462	756	5,838	0	0	0	0	0	0
MARIPOSA	0	42	42	210	1,512	9,702	0	210	756	0	0	0
MERCED	0	0	0	3,402	8,862	55,860	2,646	3,570	16,086	42	420	3,276
MERCED	0	0	0	0	420	1,470	336	210	1,050	0	42	42
MODOC	0	0	0	252	1,344	8,820	0	0	0	42	84	840
MODOC	0	0	0	84	672	4,956	0	0	0	0	42	210
MONTREY	0	0	0	588	2,688	18,984	2,352	4,410	30,534	42	42	42
MONTREY	0	0	0	924	3,108	33,810	1,008	882	5,082	42	42	42
NAPA	0	0	0	546	3,234	26,292	0	126	504	42	126	504
NEVADA	0	0	0	42	84	630	0	0	0	0	0	0
ORANGE	0	0	0	630	5,166	45,402	0	168	1,050	42	378	2,142
PLACER	0	0	0	798	4,704	33,348	0	42	42	42	252	4,116
PLUMAS	0	42	84	378	1,764	12,012	0	84	210	0	126	462
RIVERSIDE	0	0	0	126	168	252	0	0	0	0	0	0
SACRAMENTO	0	0	0	336	1,512	13,062	1,806	2,730	21,126	0	0	0
SAN BENITO	0	0	0	336	3,948	31,584	0	126	210	42	336	2,730
SAN BERNARDINO	0	126	294	336	2,142	12,558	0	0	0	0	0	0
SAN DIEGO	0	0	0	336	2,142	12,558	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	84	336	840	840	168	210	0	0	0
SAN LUIS OBISPO	0	0	0	378	2,016	10,206	840	2,184	10,080	0	0	0
SAN MATEO	126	42	210	294	798	8,988	420	42	252	0	0	0
SANTA BARBARA	0	42	42	294	1,932	18,186	420	1,050	12,264	0	126	1,764
SANTA CLARA	0	0	0	630	1,680	14,784	2,646	1,260	12,138	0	0	0
SANTA CRUZ	0	0	0	672	1,68	1,218	210	252	1,176	84	462	2,268
SHASTA	42	42	126	672	3,276	23,268	210	252	1,176	84	462	2,268
SIERRA	0	0	0	336	2,604	14,532	0	0	0	0	126	378

	BOBCAT		DEER		WILD PIG		BEAR	
	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS
SISKIYOU	0	42	4,200	10,080	0	84	84	798
SOLANO	0	42	210	924	168	840	0	0
SOKOMA	0	0	1,554	3,906	3,780	4,536	0	42
STANISLAUS	0	0	126	2,016	420	504	0	0
SUTTER	0	0	42	294	0	42	0	0
TEHAMA	0	0	1,848	7,098	210	714	42	252
TRINITY	0	42	3,444	11,424	462	210	252	1,008
TULARE	84	42	504	4,662	0	366	0	504
TUOLUMNE	0	0	798	6,384	0	42	0	84
VENTURA	0	0	294	1,176	0	126	0	168
YOLO	0	0	378	1,092	84	126	0	42
YUBA	0	0	84	1,176	0	0	0	0
UNKNOWN	42	42	126	3,360	840	756	0	42
TOTAL	546	1,050	39,102	174,426	22,386	31,206	190,764	8,232
				1,316,070			1,218	64,260

\* San Francisco not listed because no hunting allowed in county.