

California Department of Fish and Game

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REPORT OF THE 1989 GAME TAKE HUNTER SURVEY

Hunter game take questionnaires were mailed to 17,327 randomly selected hunting licensees in January 1989. These individuals represented approximately 4.5 percent of the total number of licenses sold (384,096) in 1989. Two follow-up mailings were sent to nonrespondents; the first approximately four weeks, and the second approximately seven weeks after the initial mailing. There were 461 questionnaires returned undeliverable, which left a total of 16,866 possible respondents. A total of 11,890 persons returned the questionnaire, representing approximately 3.1 percent of all hunting license buyers, and a response rate of 70.5 percent. It was determined through the analysis of the survey that there was a hunting effort of approximately 384,096 hunting licensees who spent 5,028,700 days in the field.

For the past several years, follow-up mailings to nonrespondents have significantly increased response to the questionnaires. The increase 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 indicates high validity for species pursued by large numbers of hunters.

Hunters From License Sales*	1988	1989	Percent Change From 1988
Hunting Licenses	411,204	384,096	-7
Deer Hunters (applications)	219,412	191,479	-13
Deer Tags	260,805	258,686	-1
Bear Tags	12,561	CLOSED	**
Federal Duck Stamps	72,631	71,082	-2
State Duck Stamps	79,301	70,898	-11

* Estimates

** Not Applicable

HUNTING REGULATION CHANGES

Ducks and Geese

The moratorium on hunting canvasbacks in 1988 was lifted by allowing the take of two redheads or canvasbacks singly or in aggregate.

The second half of the split duck hunting season in the Balance of the State Zone opened on Saturday and closed on a Saturday. In 1988, it opened on Sunday and closed on a Sunday.

The various seasons for snipe hunting were consolidated into a single statewide snipe season of 107 days beginning on the first Saturday in October. This change also resulted in the falconry snipe season ending the same time as the statewide shotgun snipe season.

Waterfowl regulations for the Colorado River Zone will be those set by Arizona hunting regulations for that same zone.

Deer

Zone or Hunt # Changes from 1988

B-3	One week was added to the end of the season.
D-5	-4,000 permits, from 28,000 to 24,000. One week was added to the end of the season.
D-6	One week was added to the end of the season.
X-2	-100 permits, from 1,200 to 1,100.
X-4	-200 permits, from 1,900 to 1,700.
X-5a(1)	-10 permits, from 70 to 60.
X-5a(2)	-25 permits, from 250 to 225.
X-5b(1)	-10 permits, from 80 to 70.
X-5b(2)	-125 permits, from 525 to 400.
X-5c(1)	-25 permits, from 90 to 65.
X-5c(2)	-100 permits, from 800 to 700.
X-6	+200 permits, from 3,000 to 3,200.
X-7a	-250 permits, from 1,550 to 1,300.
X-7b	-85 permits, from 510 to 425.
X-12	-500 permits, from 1,500 to 1,000.
S-5	+15 permits, from 265 to 280 (from 130 military and 135 general public to 110 military and 170 general public). The season will now begin the last Saturday in September and extend for four consecutive weekends.
S-6	Hunt was added to provide 60 permits to take antlerless deer during an 8-day season beginning the last Monday in August.

Zone or Hunt # Changes from 1988

S-10 +320 permits, from 180 to 500 (from 90 military and 90 general public to 400 military and 100 general public). The bag limit for military tags was changed to either-sex deer, and two weeks were added to the beginning of the season.

S-16 -15 permits, from 150 muzzle-loading and 50 archery to 140 muzzle-loading and 45 archery.

S-17 Bag and possession limit was changed from either-sex deer to one forked horn buck or better per season.

S-22 Season was moved back one week (from third to fourth Saturday in October).

S-25 Hunt was repealed.

S-26 Hunt was repealed.

S-27 Hunt boundary was changed to align with more recognizable landmarks.

S-29 Hunt was added to provide 300 permits to hunt one either-sex deer per season on Santa Catalina Island beginning the second Saturday in October and extending through January 31, 1990.

TABLE 1

ESTIMATED BAG AND HUNTER EFFORT BY SPECIES

	UPLAND GAME		Percent Change
	<u>1988</u>	<u>1989</u>	
<u>PHEASANTS*</u>			
Statewide Bag	659,000	215,500	*
Hunters Reported	116,120	76,000	*
Average Seasonal Bag	5.7	2.8	*
Total Days Hunted	562,440	318,800	*
Average Days Hunted	4.8	4.2	*
<u>QUAIL</u>			
Statewide Bag	1,241,560	876,300	-29
Hunters Reported	115,600	107,400	-7
Average Seasonal Bag	10.7	8.2	-23
Total Days Hunted	690,440	591,800	-14
Average Days Hunted	6.0	5.5	-8
<u>DOVES</u>			
Statewide Bag	2,110,360	2,533,000	+20
Hunters Reported	141,360	164,900	+17
Average Seasonal Bag	14.9	15.4	+3
Total Days Hunted	588,120	651,300	+11
Average Days Hunted	4.2	3.9	-7
<u>BAND-TAILED PIGEONS</u>			
Statewide Bag	40,560	76,800	+89
Hunters Reported	12,560	15,100	+20
Average Seasonal Bag	3.2	5.1	+59
Total Days Hunted	34,560	44,900	+30
Average Days Hunted	2.8	3.0	+7
<u>CHUKAR PARTRIDGE</u>			
Statewide Bag	59,360	38,700	-34
Hunters Reported	14,960	10,000	-33
Average Seasonal Bag	4.0	3.9	-2
Total Days Hunted	67,440	39,600	-41
Average Days Hunted	4.5	4.0	-11

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

TABLE 1
(continued)

	<u>1988</u>	<u>1989</u>	<u>Percent Change</u>
<u>SAGE GROUSE</u>			
Statewide Bag	1,800	200	-89
Hunters Reported	1,480	500	-66
Average Seasonal Bag	1.2	0.4	-67
Total Days Hunted	2,520	700	-72
Average Days Hunted	1.7	1.4	-18
<u>BLUE/RUFFED GROUSE</u>			
Statewide Bag	7,120	8,800	+24
Hunters Reported	5,760	5,300	-8
Average Seasonal Bag	1.2	1.7	+42
Total Days Hunted	19,040	23,400	+23
Average Days Hunted	3.3	4.4	+33
<u>JACK RABBITS</u>			
Statewide Bag	349,520	173,200	-50
Hunters Reported	38,960	26,400	-32
Average Seasonal Bag	9.0	6.6	-27
Total Days Hunted	359,720	198,700	-45
Average Days Hunted	9.2	7.5	-18
<u>COTTONTAIL/BRUSH RABBITS</u>			
Statewide Bag	249,040	138,600	-44
Hunters Reported	40,080	26,900	-33
Average Seasonal Bag	6.2	5.1	-18
Total Days Hunted	265,240	147,300	-44
Average Days Hunted	6.6	5.5	-17
<u>TREE SQUIRRELS</u>			
Statewide Bag	130,680	148,100	+13
Hunters Reported	30,400	34,600	+14
Average Seasonal Bag	4.3	4.3	0
Total Days Hunted	174,240	185,200	+6
Average Days Hunted	5.7	5.3	-7
<u>WILD TURKEY</u>			
Statewide Bag	8,760	6,300	-28
Hunters Reported	22,840	17,900	-22
Average Seasonal Bag	0.4	0.4	0
Total Days Hunted	78,920	56,500	-28
Average Days Hunted	3.5	3.2	-9

TABLE 1
(continued)

	<u>1988</u>	<u>1989</u>	<u>Percent Change</u>
<u>DUCKS</u>			
Statewide Bag	813,080	1,044,800	+28
Hunters Reported	68,800	75,300	+9
Average Seasonal Bag	11.8	13.9	+18
Total Days Hunted	530,122	553,600	+4
Average Days Hunted	7.7	7.3	-5
<u>GEESE</u>			
Statewide Bag	91,520	102,200	+12
Hunters Reported	31,400	32,300	+3
Average Seasonal Bag	2.9	3.2	+10
Total Days Hunted	298,480	308,900	+3
Average Days Hunted	9.5	9.6	+1
<u>DEER (Hunter Survey)</u>			
Statewide Bag	68,840	39,600	-42
Hunters Reported	312,520	213,300	-32
Total Days Hunted	2,181,280	1,488,700	-32
Average Days Hunted	7.0	7.0	0
<u>DEER (Tag Returns)</u>			
Statewide Bag	25,112	28,795	+15
Deer Tag Sales	260,805	258,686	-1
<u>BEAR (Hunter Survey)</u>			
Statewide Bag	1,960	0	-100
Hunters Reported	10,914	0	-100
Total Days Hunted	106,160	0	-100
Average Days Hunted	9.7	0	-100
<u>BEAR (Tag Returns)</u>			
Statewide Bag	1,359	0	-100
Bear Tag Sales	12,561	0	-100
<u>WILD PIGS</u>			
Statewide Bag	59,360	32,000	-46
Hunters Reported	57,160	36,500	-36
Average Seasonal Bag	1.0	0.9	-10
Total Days Hunted	405,200	197,800	-51
Average Days Hunted	7.1	5.4	-24

TABLE 2

SUMMARY OF ESTIMATED STATEWIDE BAG - 1989

<u>Species</u>	<u>Average 1983-1987</u>	<u>1988</u>	<u>1989</u>	<u>Change from 1988</u>
Pheasant	326,513	659,000*	215,500	*
Quail	1,108,716	1,241,560	876,300	-29%
Dove	2,376,960	2,110,360	2,533,000	+20%
Chukar Partridge	46,427	59,360	38,700	-35%
Sage Grouse	816**	1,800	200	-89%
Blue/Ruffed Grouse	7,236	7,120	8,800	+24%
Band-tailed Pigeons	97,867	40,560	76,800	+89%
Wild Turkeys	6,837	8,760	6,300	-28%
Jack Rabbits	389,593	349,520	173,200	-50%
Cottontail Rabbits	344,595	249,040	138,600	-44%
Tree Squirrels	145,662	130,680	148,100	+13%
Ducks	1,543,059	813,080	1,044,800	+28%
Geese	142,892	91,520	102,200	+12%
Jacksnipe	23,363	25,200	18,100	-28%
Coots	97,007	23,080	19,700	-15%
Deer (Hunter Survey)	59,488	68,840	39,600	-42%
Deer (Tag Returns)***	29,369	25,112	28,795	+15%
Bear (Hunter Survey)	1319	1,960	(Season Closed)	
Bear (Tag Returns)	998	1,359	(Season Closed)	
Wild Pigs	41,698	59,360	32,000	-46%

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 only.

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

TABLE 3

REPORTED HUNTING LICENSE AND TAG SALES, HUNTER HARVEST AND EFFORT 1981-1989

<u>LICENSE & TAG SALES</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>
Hunting license	540,000	532,000	533,728	487,804	488,770	456,681	421,289	411,204	384,096
Deer Hunters	303,251	306,768	278,906	253,725	260,262	210,933	254,728	312,520	213,300
Deer Tags	380,216	383,036	355,581	317,855	314,810	295,220	232,048	260,805	258,686
Bear Tags	31,486	25,856	14,378	11,077	11,944	9,864	11,971	12,561	CLOSED
Duck Stamps (Federal)	108,367	109,258	109,654	107,736	93,253	93,123	89,893	72,631	71,082
Duck Stamps (State)	102,853	105,144	106,806	98,785	97,021	91,377	89,158	79,301	70,898
<u>STATE-WIDE BAG</u>									
Deer (Buck Tag Returns)	42,231	32,520	26,886	32,190	31,651	30,253	25,864	25,112	28,795
Deer (Hunter Survey)	83,030	55,780	51,800	57,492	69,384	65,484	53,278	68,840	39,600
Bear (Tag Return)	766	783	601	770	1,138	1,035	1,448	1,359	CLOSED
Bear (Hunter Survey)	1,440	1,180	970	1,116	1,617	1,224	1,666	1,960	CLOSED
Wild Pigs	36,670	26,300	35,600	40,392	34,741	56,447	41,310	59,360	32,000
Pheasants	375,330	317,000	442,200	379,440	308,847	241,128	260,950	659,000	215,500
Quail	1,151,490	1,172,950	1,410,220	1,004,436	1,110,585	1,095,072	923,270	1,241,560	876,300
Doves	3,336,920	3,272,560	2,738,660	2,551,572	2,640,610	2,018,376	1,935,586	2,110,360	2,533,000
Chukar Partridge	45,990	32,720	67,850	42,408	50,764	38,709	32,402	59,360	38,700
Blue and Ruffed Grouse	9,250	7,790	4,320	7,668	9,947	6,222	8,024	7,120	8,800
Sage Grouse	4,660	3,190	CLOSED	CLOSED	CLOSED	CLOSED	816	1,800	200
Band-Tailed Pigeons	213,860	118,220	153,590	125,892	77,714	65,229	66,912	40,560	76,800
Jack Rabbits	726,680	568,560	569,850	527,616	365,981	250,155	234,362	349,520	173,200
Cottontail Rabbits	477,370	345,720	441,690	462,024	313,257	261,681	244,324	249,040	138,600
Tree Squirrels	246,830	165,340	141,400	116,064	188,356	131,325	151,164	130,680	148,100
Ducks	1,623,740	1,531,740	1,741,050	1,566,324	1,693,244	1,202,529	1,512,150	813,080	1,044,800
Geese	137,750	100,210	160,630	145,152	201,586	91,086	116,008	91,520	102,200
Coots	172,570	153,250	161,460	145,764	93,492	33,660	50,660	23,080	19,700
Jacksnipe	33,520	29,300	22,500	43,848	24,304	15,045	11,118	25,200	18,100
Wild Turkeys	4,550	4,830	4,050	5,652	7,791	9,690	7,004	8,760	6,300
NUMBER HUNTER DAYS	8,145,920	7,610,600	7,833,340	7,090,560	6,905,668	5,495,097	5,288,700	6,786,520	5,028,700

TABLE 4
STATEWIDE HUNTERS 1981-1989

<u>GAME HUNTED</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>
Deer (Applications Sold)	299,217	306,770	278,906	253,725	260,262	295,220	232,048	219,412	191,479
Deer (Hunter Survey)	385,500	364,000	361,330	286,884	323,596	300,543	254,728	312,520	213,300
Bear (Applications Sold)	31,486	25,859	14,378	11,077	11,944	9,864	11,971	12,561	CLOSED
Bear (Hunter Survey)	22,550	19,880	13,850	11,880	14,406	10,914	11,832	16,520	CLOSED
Wild Pigs	32,780	31,610	39,380	36,108	45,129	49,929	44,472	57,160	36,500
Pheasants	132,200	123,240	137,220	146,808	115,248	82,824	86,938	116,120	76,000
Quail	151,330	125,250	145,310	133,992	125,489	108,018	103,666	115,600	107,400
Doves	206,020	204,970	175,350	173,160	165,571	138,669	134,776	141,360	164,900
Chukar Partridge	16,280	13,870	19,230	19,260	15,925	14,382	12,240	14,960	10,000
Blue and Ruffed Grouse	6,330	5,850	5,200	5,724	6,958	4,947	5,576	5,760	5,300
Sage Grouse	5,770	4,370	CLOSED	CLOSED	CLOSED	CLOSED	816	1,480	500
Band-Tailed Pigeons	29,970	22,760	25,350	25,812	18,130	14,790	14,756	12,560	15,100
Jack Rabbits	73,300	61,670	64,630	60,480	42,581	32,589	34,068	38,960	26,400
Cottontail Rabbits	72,780	58,670	67,850	64,548	46,697	40,137	39,406	40,080	26,900
Tree Squirrels	52,610	42,140	38,360	32,940	40,376	32,742	34,680	30,400	34,600
Ducks	119,990	105,830	113,070	131,940	118,237	86,598	91,868	68,800	75,300
Geese	49,000	48,100	54,510	58,104	61,446	37,689	38,794	31,400	32,300
Coots	14,210	11,660	12,880	12,636	7,497	4,488	4,556	2,800	2,400
Jacksnipe	5,250	4,900	4,000	5,076	3,724	1,938	1,972	3,040	2,700
Wild Turkeys	12,730	13,790	13,110	16,092	16,023	16,524	17,374	22,840	17,900

TABLE 5
TOP TEN COUNTIES FOR TAKE OF SELECTED GAME SPECIES - 1989

<u>PHEASANTS</u>	% OF STATE TOTAL	<u>JACK RABBITS</u>	% OF STATE TOTAL
1> BUTTE	11.5	1> SAN DIEGO	11.3
2> COLUSA	11.5	2> KERN	9.4
3> YOLO	10.2	3> FRESNO	7.9
4> SUTTER	9.2	4> SAN BERNARDINO	7.5
5> GLENN	6.9	5> IMPERIAL	5.0
6> SACRAMENTO	6.2	6> RIVERSIDE	4.9
7> SAN JOAQUIN	5.9	7> TULARE	4.2
8> SOLANO	5.6	8> LASSEN	4.1
9> STANISLAUS	3.6	9> SAN JOAQUIN	3.9
10> MERCED	3.5	10> BUTTE	3.8
 <u>QUAIL</u>		 <u>COTTONTAIL RABBITS</u>	
1> KERN	13.2	1> KERN	16.8
2> FRESNO	6.3	2> SAN DIEGO	10.7
3> TULARE	5.6	3> RIVERSIDE	9.9
4> SAN BERNARDINO	4.9	4> SAN BERNARDINO	8.7
5> RIVERSIDE	4.1	5> IMPERIAL	6.8
6> MONTEREY	3.9	6> FRESNO	5.0
7> SAN DIEGO	3.6	7> MONTEREY	3.8
8> LOS ANGELES	3.6	8> LOS ANGELES	3.5
9> SHASTA	3.6	9> MERCED	3.0
10> IMPERIAL	3.2	10> SAN LUIS OBISPO	2.9
 <u>DOVES</u>		 <u>DUCKS</u>	
1> KERN	12.8	1> MERCED	15.9
2> FRESNO	11.9	2> COLUSA	14.4
3> IMPERIAL	11.6	3> BUTTE	7.4
4> TULARE	8.9	4> SOLANO	5.4
5> RIVERSIDE	5.3	5> FRESNO	4.5
6> KINGS	3.9	6> IMPERIAL	4.4
7> SAN JOAQUIN	3.7	7> SUTTER	4.1
8> MERCED	3.3	8> SAN JOAQUIN	3.6
9> SAN BERNARDINO	3.3	9> GLENN	3.5
10> BUTTE	2.6	10> RIVERSIDE	2.9
 <u>BAND-TAILED PIGEONS</u>		 <u>GEESE</u>	
1> MONTEREY	20.1	1> COLUSA	23.7
2> SAN LUIS OBISPO	18.4	2> GLENN	8.8
3> SAN DIEGO	10.7	3> MERCED	7.7
4> SHASTA	6.6	4> MODOC	7.4
5> BUTTE	3.9	5> IMPERIAL	7.0
6> SAN BERNARDINO	3.4	6> BUTTE	5.7
7> HUMBOLDT	2.7	7> SISKIYOU	5.0
8> SISKIYOU	2.7	8> LASSEN	4.5
9> ORANGE	2.4	9> RIVERSIDE	3.2
10> SANTA BARBARA	2.1	10> SHASTA	2.5

TABLE 6

DISTRIBUTION OF MAJOR GAME SPECIES BY ADMINISTRATIVE REGION - 1989

(PERCENT OF TOTAL STATE BAG)

	PHEASANTS		QUAIL		DOVES		JACK RABBITS		COTTONTAILS		DUCKS	
	<u>1988</u>	<u>1989</u>	<u>1988</u>	<u>1989</u>	<u>1988</u>	<u>1989</u>	<u>1988</u>	<u>1989</u>	<u>1988</u>	<u>1989</u>	<u>1988</u>	<u>1989</u>
REGION 1	3	2.5	13	14.4	5	3.5	18	9.8	5	3.8	10	10.7
REGION 2	45	72.7	10	13.0	18	17.5	14	18.7	6	7.0	39	46.3
REGION 3	24	2.8	18	12.2	10	5.5	14	5.8	11	9.5	13	5.7
REGION 4	13	17.3	27	33.1	38	46.1	22	28.8	27	33.3	27	25.9
REGION 5	13	2.5	37	25.4	28	25.5	31	34.1	50	43.7	10	10.0
UNKNOWN	2	2.2	1	1.9	1	1.9	1	2.9	1	2.7	1	1.4
	100	100	100	100	100	100	100	100	100	100	100	100

TABLE 7

DISTRIBUTION OF HUNTER EFFORT BY GAME SPECIES - 1989

Species	Number of Hunters		Total	Percent of Hunters Per Species		Percent of All Hunters Per Species
	Successful	Unsuccessful		Successful	Unsuccessful	
Deer	36,729	176,616	213,345	17.2	82.8	55.5
Bear	0	0	0	0	0	0
Wild Pig	13,992	22,506	36,498	38.3	61.7	9.5
Coyote	8,085	7,128	15,213	53.1	46.9	4.0
Bobcat	429	729	1,158	37.0	63.0	0.3
Crow	4,323	594	4,917	87.9	12.1	1.3
Pheasant	50,919	25,047	75,966	67.0	33.0	19.8
Chukar Partridge	5,214	4,752	9,966	52.3	47.7	2.6
Quail	79,563	27,819	107,382	74.1	25.9	28.0
Doves	147,873	17,028	164,901	89.7	10.3	42.9
Band-tailed Pigeon	11,748	3,333	15,081	77.9	22.1	3.9
Sage Grouse	231	231	462	50.0	50.0	0.1
Blue/Ruffed Grouse	3,399	1,947	5,346	63.6	36.4	1.4
Jack Rabbits	22,077	4,323	26,400	83.6	16.4	6.9
Tree Squirrels	25,938	8,646	34,584	75.0	25.0	9.0
Cottontail Rabbits	21,945	4,983	26,928	81.5	18.5	7.0
Wild Turkeys	4,983	12,870	17,853	27.9	72.1	4.6
Ducks	65,901	9,438	75,339	87.5	12.5	19.6
Geese	21,450	10,890	32,340	66.3	33.7	8.4
Jack Snipe	2,277	396	2,673	85.2	14.8	0.7
Coots	2,178	198	2,376	91.7	8.3	0.6

All Hunters = 384,096

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 (384,096).

TABLE 8

HUNTER SUCCESS 1960-89

As Reported by Hunter Survey Respondents
(Percentage)

	Did Not Hunt	Hunted Unsuccessfully	Hunted Successfully
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

TABLE 9

STATEWIDE BAG, HUNTERS, DAYS - UPLAND GAME

	DOVES		PIGEONS		BLUE/RUFFED GROUSE		TURKEY		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	
ALAMEDA	11,022	759	3,102	66	66	0	0	66	99
ALPINE	0	33	66	66	231	165	0	0	0
AMADOR	7,854	957	2,442	231	297	0	132	462	2,013
BUTTE	65,439	4,983	16,929	1,485	2,970	0	264	792	3,201
CALAVARAS	14,322	1,188	5,049	363	429	99	33	891	2,541
COLUSA	38,709	2,904	8,316	0	0	0	0	132	396
CONTRA COSTA	10,230	1,023	3,003	0	0	0	0	33	66
DEL NORTE	0	0	0	924	1,089	0	0	0	0
EL DORADO	5,115	627	1,551	528	990	99	132	1,287	5,181
FRESNO	300,630	14,883	64,845	792	825	66	99	297	726
GLENN	41,283	2,772	9,867	264	198	0	33	99	165
HUMBOLDT	1,188	198	363	2,904	2,079	2,376	165	198	495
IMPERIAL	294,195	19,404	85,338	231	495	0	0	0	0
INYO	16,368	1,221	3,432	33	0	99	66	0	0
KERN	323,829	18,084	69,267	1,023	1,188	0	0	231	1,089
KINGS	99,330	4,191	20,658	363	462	0	33	66	1,023
LAKE	5,181	693	2,079	132	0	0	429	660	1,650
LASSEN	14,190	1,089	3,597	396	396	396	0	99	198
LOS ANGELES	22,473	2,541	9,042	1,023	627	0	33	33	33
MADERA	59,433	3,201	11,847	0	0	66	198	462	858
MARIN	4,653	330	1,320	99	66	0	0	0	0
MARIPOSA	8,250	594	1,683	132	66	0	33	99	66
MENDOCINO	3,531	396	1,551	1,650	1,188	462	297	825	2,343
MERCED	84,975	5,709	19,701	99	198	0	0	0	0
MODOC	3,135	264	957	0	0	33	33	0	0
MONO	2,739	198	726	0	0	33	66	0	0
MONTEREY	28,413	2,541	6,732	6,138	15,411	0	198	429	693
NAPA	7,095	594	2,442	66	165	0	132	99	231
MEVADA	3,102	396	924	1,056	330	429	693	1,188	6,039
ORANGE	4,719	363	957	594	1,881	0	0	0	0
PLACER	15,873	1,584	6,402	396	561	132	165	1,122	3,267
PLUMAS	1,056	165	924	132	264	759	0	0	0

TABLE 9 (continued)

STATEWIDE BAG, HUNTERS, DAYS - UPLAND GAME

	PHEASANT		QUAIL		CHUKAR PARTRIDGE		CROW	
	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS
ALAMEDA	396	165	2,607	495	3,861	0	165	0
ALPINE	0	0	1,254	429	858	0	66	0
AMADOR	462	198	5,973	825	3,597	759	396	0
BUTTE	24,882	5,709	11,055	1,584	12,771	132	165	3,102
CALAVARAS	165	66	18,381	1,650	11,154	0	0	0
COLUSA	24,816	6,369	5,412	825	2,112	99	33	132
CONTRA COSTA	2,607	825	1,617	198	429	330	330	0
DEL NORTE	0	33	2,079	165	3,003	0	0	0
EL DORADO	330	99	12,705	2,112	12,078	0	0	0
FRESNO	7,227	4,719	55,440	5,181	23,331	594	1,947	3,300
GLENN	14,784	3,927	3,333	627	1,287	99	33	0
HUMBOLDT	99	33	27,225	3,234	23,133	0	0	99
IMPERIAL	2,871	2,541	27,918	4,554	26,334	0	0	33
INYO	66	99	8,415	1,287	6,501	1,815	3,960	0
KERN	3,531	2,343	115,467	9,405	57,387	4,917	9,537	3,828
KINGS	1,650	1,650	5,478	660	3,630	0	0	165
LAKE	132	165	9,471	1,551	8,811	0	0	66
LASSEN	825	429	7,326	1,452	11,616	10,527	8,976	0
LOS ANGELES	396	132	31,515	4,125	27,885	1,947	1,023	462
MADERA	1,749	1,254	22,506	2,013	10,923	0	33	3,102
MARIN	561	264	1,485	165	1,023	0	0	66
MARIPOSA	198	33	14,223	1,716	9,306	0	0	0
MENDOCINO	0	66	16,863	2,442	15,774	0	0	165
MERCED	7,656	4,092	4,818	726	1,353	2,772	1,023	594
MODOC	792	528	2,409	495	1,716	2,310	726	0
MONO	198	33	264	165	924	264	429	165
MONTEREY	594	132	34,320	3,234	11,979	990	660	363
NAPA	726	198	3,102	495	1,353	0	0	0
MEVADA	0	0	8,217	1,320	8,349	0	429	0
ORANGE	0	0	1,353	330	1,419	164	66	165
PLACER	4,752	1,419	11,649	1,749	8,943	66	33	33
PLUMAS	132	99	8,019	1,419	11,319	0	0	0

RIVERSIDE	1,650	396	1,023	35,970	4,884	18,084	3,036	495	1,716	6,336	231	2,178
SACRAMENTO	13,431	4,686	20,196	2,574	594	2,607	495	33	165	33	33	33
SAN BENEITO	66	231	396	4,356	627	1,881	693	132	396	297	99	132
SAN BERNARDINO	198	99	198	42,966	6,798	36,795	1,485	1,617	4,620	3,234	264	1,518
SAN DIEGO	0	0	0	31,977	3,267	23,529	330	66	99	2,013	132	990
SAN JOAQUIN	12,672	5,775	23,232	8,316	1,782	6,666	330	99	99	3,069	330	1,881
SAN LUIS OBISPO	330	66	165	20,823	2,442	12,012	66	132	198	495	33	165
SAN MATEO	0	0	0	2,442	231	1,353	0	0	0	0	0	0
SANTA BARBARA	0	0	0	21,978	2,310	12,540	693	132	231	693	66	231
SANTA CLARA	330	231	660	3,135	462	1,518	99	33	33	0	0	0
SANTA CRUZ	0	0	0	2,409	231	1,122	0	0	0	0	0	0
SHASTA	891	429	2,244	31,218	3,300	22,935	660	33	330	0	66	396
SIERRA	33	33	0	3,432	594	1,782	0	0	0	0	0	0
SISKIYOU	1,551	858	2,244	21,483	2,475	19,602	0	0	66	132	33	66
SOLANO	12,045	3,036	13,728	726	231	660	198	33	66	0	0	0
SONOMA	297	165	297	4,422	858	2,871	0	0	0	1,320	165	1,320
STANISLAUS	7,788	3,663	14,487	5,643	1,122	4,521	66	66	99	8,415	561	2,805
SUTTER	19,866	4,752	25,146	2,706	660	2,442	627	66	132	792	132	396
TEHAMA	1,221	759	2,442	14,751	1,881	8,910	0	33	33	330	99	231
TRINITY	33	66	363	19,602	2,508	17,787	0	0	0	264	33	330
TULARE	7,458	4,488	18,084	49,137	5,181	21,813	330	99	198	660	297	1,353
TUOLUMNE	99	165	627	17,424	2,508	16,104	0	0	0	990	66	528
VENTURA	0	0	0	20,031	1,914	11,748	0	0	0	0	33	396
YOLO	21,912	4,950	29,370	2,508	561	2,673	0	0	0	858	99	396
YUBA	6,270	2,145	10,296	7,854	1,254	6,534	66	33	33	462	99	132
UNKNOWN	4,719	1,353	5,148	16,533	2,079	9,108	1,716	330	1,155	66	33	33
TOTAL	215,457	75,966	318,780	876,315	107,382	591,756	38,676	9,966	39,633	48,510	4,917	31,350

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

TABLE 9 (continued)

STATEWIDE BAG, HUNTERS, DAYS - UPLAND GAME

	JACKRABBIT		COTTONTAIL		TREE SQUIRREL		DUCKS			
	BAG	HUNTERS	DAYS	HUNTERS	BAG	HUNTERS	BAG	HUNTERS		
ALAMEDA	33	33	99	33	0	33	99	10,659	693	4,587
ALPINE	297	66	132	0	0	99	0	0	0	0
AMADOR	66	33	66	132	297	2,211	198	3,729	297	2,145
BUTTE	6,633	726	7,227	99	66	6,963	165	77,682	5,280	39,600
CALAVARAS	495	165	990	99	528	4,125	594	825	132	528
COLUSA	891	264	1,551	66	627	825	165	150,513	9,174	82,434
CONTRA COSTA	429	132	462	66	231	99	198	14,487	792	7,491
DEL NORTE	198	33	132	0	0	231	990	11,946	462	5,214
EL DORADO	165	198	561	297	396	8,712	14,256	0	0	0
FRESNO	13,695	1,617	13,992	1,617	6,897	10,791	8,976	46,596	3,894	22,110
GLENN	2,376	528	3,036	99	165	1,320	759	36,234	2,508	21,648
HUMBOLDT	924	363	1,320	132	132	3,498	462	30,954	1,617	16,269
IMPERIAL	8,613	1,089	8,580	1,221	9,405	0	4,917	45,870	4,554	26,268
INYO	990	429	4,752	297	858	99	3,630	4,587	363	2,277
KERN	16,302	2,409	14,454	3,432	23,265	7,755	20,823	23,826	2,343	17,457
KINGS	4,686	726	5,841	825	2,970	1,782	3,729	2,409	363	2,640
LAKE	396	264	891	132	528	2,277	429	3,498	363	2,805
LASSEN	7,161	594	5,874	627	3,069	924	6,765	9,933	1,518	7,986
LOS ANGELES	3,630	924	5,544	1,122	4,851	231	4,257	7,524	495	3,300
MADERA	1,452	396	1,287	495	1,815	4,158	2,277	5,247	627	2,673
MARIN	99	99	330	165	627	363	660	1,914	264	1,089
MARIPOSA	759	66	165	99	396	8,679	363	1,485	66	594
MENDOCINO	1,518	363	1,716	132	198	4,257	165	2,805	264	2,673
MERCED	2,178	495	1,452	660	4,125	627	2,244	166,353	6,996	63,360
MODOC	1,848	330	1,914	231	594	2,871	1,287	21,747	2,277	15,906
MONO	1,485	297	1,584	99	957	0	1,056	660	231	891
MONTEREY	2,343	396	1,584	792	5,214	7,128	4,719	3,135	330	1,584
NAPA	1,782	198	1,221	66	66	759	99	6,402	528	2,640
NEVADA	957	231	1,749	66	231	2,376	363	1,749	330	2,310
ORANGE	0	0	0	66	594	0	495	1,188	132	1,650
PLACER	627	264	2,574	99	264	2,574	198	5,082	561	4,125
PLUMAS	0	33	33	165	132	1,782	825	4,653	495	5,808

RIVERSIDE	8,547	1,419	11,781	13,695	2,277	11,154	33	33	33	30,426	2,343	18,777
SACRAMENTO	2,904	462	3,333	990	297	1,023	363	132	99	25,839	1,881	15,411
SAN BENEITO	627	132	363	891	231	660	165	99	132	792	165	462
SAN BERNARDINO	13,068	2,376	11,352	12,012	3,135	13,167	165	66	132	2,574	429	1,881
SAN DIEGO	19,536	726	25,971	14,784	1,353	16,995	33	33	33	8,547	891	3,927
SAN JOAQUIN	6,831	1,056	6,105	3,333	891	4,125	1,089	132	693	37,884	2,178	14,553
SAN LUIS OBISPO	957	330	1,848	4,026	693	3,399	594	198	363	1,617	297	561
SAN MATEO	0	0	0	66	33	99	198	33	165	4,059	132	1,056
SANTA BARBARA	924	66	330	858	297	1,089	0	0	0	858	66	495
SANTA CLARA	726	132	528	66	33	33	0	0	0	6,699	594	5,082
SANTA CRUZ	0	0	0	759	165	825	0	0	0	0	0	0
SHASTA	1,155	363	1,353	165	132	825	6,501	1,749	9,372	6,699	1,056	6,303
SIERRA	330	33	33	165	33	132	3,102	627	2,838	1,815	165	2,145
SISKIYOU	792	231	3,861	627	132	2,178	3,498	1,023	7,788	25,278	2,475	12,870
SOLANO	2,706	363	3,432	264	132	462	66	66	330	56,034	3,168	25,245
SONOMA	1,089	330	2,541	462	132	1,254	924	297	2,640	3,432	429	2,310
STANISLAUS	2,574	561	2,343	1,584	462	1,914	1,914	396	2,211	16,335	1,485	10,659
SUTTER	2,079	396	4,059	231	165	693	462	132	363	43,065	3,234	23,232
TEHAMA	1,221	363	3,828	561	165	231	4,488	1,056	7,359	3,927	495	3,201
TRINITY	3,630	264	2,673	66	99	1,287	6,897	1,254	11,484	1,023	132	363
TULARE	7,293	891	7,953	4,851	891	4,092	8,514	2,046	9,405	8,316	594	4,389
TUOLUMNE	957	198	1,716	297	132	1,122	8,250	1,980	10,857	495	132	231
VENTURA	2,178	363	1,584	2,475	528	2,475	330	33	132	2,409	330	957
YOLO	3,564	462	4,059	561	165	1,914	99	33	0	14,091	1,287	12,837
YUBA	1,386	396	693	1,485	264	2,211	3,102	825	3,861	24,717	2,013	11,616
UNKNOWN	5,049	726	5,874	3,795	660	2,145	9,768	1,353	7,293	14,157	1,419	4,983
TOTAL	173,151	26,400	198,726	138,567	26,928	147,345	148,071	34,584	185,229	1,044,780	75,339	553,608

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

TABLE 9 (continued)

STATEWIDE BAG, HUNTERS, DAYS - UPLAND GAME

	GEESE		JACKSNIPES		COOTS		COYOTES		
	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS	
ALAMEDA	495	99	1,287	33	0	0	0	99	264
ALPINE	0	0	0	0	0	0	0	33	495
AMADOR	462	231	1,749	0	0	0	0	528	1,287
BUTTE	5,874	2,376	26,070	297	858	2,211	1,287	165	3,432
CALAVARAS	594	66	330	0	0	0	0	462	2,871
COLUSA	24,222	5,082	65,175	198	2,475	957	1,320	165	891
CONTRA COSTA	1,518	198	3,564	33	990	165	1,023	33	297
DEL NORTE	0	0	0	0	0	1,056	132	0	0
EL DORADO	0	33	330	0	0	165	99	462	2,574
FRESNO	1,815	858	10,098	66	198	3,729	891	1,188	5,214
GLENN	8,976	1,716	22,836	33	33	33	33	0	33
HUMBOLDT	231	198	1,023	429	1,551	3,135	495	759	4,851
IMPERIAL	7,161	2,871	25,806	33	33	759	594	858	4,653
INYO	858	198	1,056	0	0	0	0	495	1,023
KERN	363	396	7,722	99	1,716	1,716	330	1,485	5,973
KINGS	33	99	528	0	0	0	0	330	1,287
LAKE	66	33	66	0	0	0	0	132	858
LASSEN	4,653	1,353	10,197	33	693	0	0	594	1,716
LOS ANGELES	132	99	1,617	0	0	33	33	231	2,838
MADERA	462	198	1,914	33	33	693	528	627	1,353
MARIN	0	33	264	33	66	0	0	66	726
MARIPOSA	0	0	0	33	132	0	0	198	429
MENDOCINO	66	66	462	66	363	165	132	396	462
MERCED	7,887	2,475	23,397	429	1,320	957	66	363	825
MODOC	7,590	2,343	17,457	0	0	0	0	726	2,310
MONO	0	165	825	0	0	0	0	33	2,772
MONTEREY	0	0	0	0	0	0	0	198	495
NAPA	99	66	33	0	0	0	0	132	429
MEVADA	561	165	1,254	0	0	264	66	165	1,947
ORANGE	66	33	0	0	0	0	0	0	1,551
PLACER	528	132	2,442	33	330	0	0	165	1,881
PLUMAS	990	330	3,234	33	264	66	33	264	792

RIVERSIDE	3,234	1,254	6,666	66	33	264	99	33	33	429	561	8,646
SACRAMENTO	1,254	825	4,389	495	99	198	165	99	132	99	132	495
SAN BENITO	33	66	99	0	0	0	0	0	0	858	231	2,673
SAN BERNARDINO	198	264	726	0	0	0	0	0	0	1,155	858	4,356
SAN DIEGO	2,310	462	3,333	0	0	0	264	66	363	1,815	792	15,147
SAN JOAQUIN	2,541	627	9,900	165	99	429	231	66	264	1,188	330	1,188
SAN LUIS OBISPO	0	0	0	0	0	0	0	0	0	198	99	14,025
SAN MATEO	33	33	33	0	0	0	0	0	0	0	0	0
SANTA BARBARA	0	0	0	0	0	0	0	0	0	1,353	132	2,013
SANTA CLARA	33	33	0	0	0	0	66	33	66	264	99	1,518
SANTA CRUZ	0	0	0	0	0	0	0	0	0	0	0	0
SHASTA	2,574	627	4,917	132	66	231	165	33	330	792	429	2,343
SIERRA	297	132	396	0	0	0	0	0	0	0	0	0
SISKIYOU	5,082	1,914	10,593	0	0	0	0	0	0	132	330	1,881
SOLANO	1,221	594	4,191	528	132	957	990	132	627	198	198	3,597
SONOMA	0	0	0	99	33	132	0	0	0	297	132	858
STANISLAUS	1,221	396	4,191	0	0	0	0	0	0	594	264	2,574
SUTTER	2,178	858	7,953	0	0	0	132	66	66	231	132	429
TEHAMA	330	330	759	528	165	165	0	0	0	693	462	2,640
TRINITY	165	66	264	0	0	0	0	0	0	132	264	1,353
TULARE	33	132	3,630	33	33	66	396	66	528	660	330	6,336
TUOLUMNE	0	0	0	0	0	0	0	0	0	165	264	1,188
VENTURA	0	0	0	0	0	0	0	0	0	132	198	924
YOLO	957	594	7,557	396	66	330	363	99	429	858	264	3,927
YUBA	1,650	429	4,257	264	33	33	0	33	363	363	297	957
UNKNOWN	1,122	792	4,356	0	0	0	726	66	264	495	363	14,817
TOTAL	102,168	32,340	308,946	18,051	2,673	13,860	19,701	2,376	10,527	24,321	15,213	154,572

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

TABLE 9 (continued)

STATEWIDE BAG, HUNTERS, DAYS - UPLAND GAME

	BOBCAT		DEER		WILD PIG		BEAR		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	
ALAMEDA	0	0	0	231	924	6,237	0	297	1,221
ALPINE	0	0	0	462	4,158	22,968	0	0	0
AMADOR	0	33	66	495	3,036	23,925	0	0	0
BUTTE	0	33	825	660	4,950	31,086	99	264	1,221
CALAVARAS	0	33	132	759	6,435	45,111	99	66	231
COLUSA	0	66	495	66	1,056	8,613	1,815	660	3,960
CONTRA COSTA	0	0	0	66	429	2,211	231	66	396
DEL NORTE	0	0	0	297	1,188	11,055	66	33	2,221
EL DORADO	0	66	264	1,089	13,299	103,125	33	33	99
FRESNO	0	0	0	759	5,808	35,442	660	1,848	7,227
GLENN	0	33	0	792	2,607	18,777	33	132	396
HUMBOLDT	132	99	330	4,257	12,078	110,946	594	957	3,201
IMPERIAL	0	0	0	99	825	7,128	99	99	264
INYO	0	33	132	231	1,155	5,610	0	0	0
KERN	33	66	99	627	6,666	42,537	66	264	561
KINGS	0	0	0	66	429	2,244	561	726	4,422
LAKE	0	0	0	825	2,970	20,889	297	924	3,366
LASSEN	99	33	264	825	4,389	27,258	0	0	0
LOS ANGELES	0	0	0	297	4,521	28,908	0	99	99
MADERA	0	0	0	132	1,980	11,517	132	264	1,782
MARIN	0	33	33	627	726	5,676	0	66	264
MARIPOSA	0	0	0	231	2,706	16,236	99	198	792
MENDOCINO	66	132	1,188	2,904	8,811	59,103	5,577	3,927	19,404
MERCED	33	33	33	0	297	1,254	462	726	1,617
MODOC	0	0	0	528	4,917	33,066	0	33	429
MONO	0	0	0	297	1,485	10,131	0	33	66
MONTEREY	0	0	0	1,089	4,092	27,093	4,356	6,204	35,937
NAPA	0	0	0	297	1,287	9,042	132	495	3,729
NEVADA	33	33	33	924	4,851	36,168	66	132	1,320
ORANGE	0	33	825	0	330	1,914	0	0	0
PLACER	0	0	0	858	4,884	34,056	0	99	66
PLUMAS	0	0	0	825	6,237	39,567	0	0	0

(SEASON CLOSED)

RIVERSIDE	0	66	297	2,541	16,203	0	66	264
SACRAMENTO	0	0	99	297	1,947	0	0	0
SAN BENEITO	66	363	231	1,188	7,821	3,399	2,772	21,978
SAN BERNARDINO	0	0	231	2,871	18,909	99	231	2,409
SAN DIEGO	0	3,300	231	2,805	22,935	0	0	0
SAN JOAQUIN	0	0	33	198	1,881	132	165	957
SAN LUIS OBISPO	0	0	726	3,003	19,734	2,343	3,465	12,078
SAN MATEO	0	0	33	231	1,848	0	0	0
SANTA BARBARA	0	0	396	2,046	16,434	1,551	891	7,194
SANTA CLARA	33	33	594	1,353	9,867	1,254	1,353	9,702
SANTA CRUZ	0	0	132	363	3,894	264	429	2,937
SHASTA	33	0	1,485	9,141	66,858	198	792	4,455
SIERRA	0	0	297	3,861	21,780	0	0	0
SISKIYOU	0	0	3,135	12,540	92,136	66	132	198
SOLANO	0	0	99	594	2,442	132	429	2,145
SONOMA	0	0	891	2,442	17,688	4,125	2,904	18,645
STANISLAUS	0	0	99	2,937	20,064	429	528	4,488
SUTTER	0	0	66	330	1,617	66	33	198
TEHAMA	0	33	1,947	8,118	49,071	957	1,452	5,775
TRINITY	0	0	3,696	14,256	100,815	99	132	495
TULARE	0	0	528	5,346	35,178	231	528	3,762
TUOLUMNE	0	33	1,749	9,009	61,809	0	33	66
VENTURA	0	33	132	1,419	8,712	33	132	594
YOLO	0	0	231	990	6,567	0	66	99
YUBA	0	0	198	1,947	18,876	0	66	198
UNKNOWN	33	33	429	3,993	24,684	1,155	1,254	4,917
TOTAL	561	1,221	39,600	213,345	1,488,663	32,010	36,498	197,835

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

