California Department of Fish and Game

Resources Building
1416 Ninth Street
Sacramento, California 95814

REPORT OF THE 1986 GAME TAKE HUNTER SURVEY

Hunter game take questionnaires were mailed to 13,545 randomly selected hunting licensees in January 1987. These individuals represent approximately 3 percent of the total number of licenses sold (456,681) in 1986. 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 938 questionnaires returned undelivered, which leaves a total of 12,607 responses. After examination of the returned questionnaires, 8,850 were used in the survey, which represents a response rate of 65.3 percent. It was determined through the analysis of the survey, that there was a hunting effort of approximately 434,316 hunting licensees who spent 5,495,097 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 an unsuccessful or nonparticipating individuals. Nonresponse bias is one of the principal 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	1985	1986	Percent Change From 1985
Hunting Licenses	488,770	456,681	- 6.6
Deer Hunters (applications)	260,262	210,933	-19.0
Deer Tags	314,810	295,220	- 6.2
Bear Tags	11,944	9,864	-17.4
Federal Duck Stamps	93,253	93,123	- 0.1
State Duck Stamps	97,021	91,377	- 5.8

HUNTING REGULATION CHANGES

General Small Game

Authorized take by crossbow except during archery season.

Sage Grouse

The Sage Grouse season was closed in 1985 and is yet in effect.

Deer

B1	-	Minor boundary modification
B3	-	Split zone into B3 and D18; permit reduced and season dates adjusted for new zones.
D2	-	Split zone into D2a and D2b; permit reduced and season dates adjusted for new zones.
D11	-	One week added to season.
X1	-	Minor boundary modification
X3	-	Split zone into X3a and X3b; permit reduced and season dates adjusted for new zones.
X4	-	Bag limit changed from 3 point to forked horn or better minor boundary modification.
X5a	-	Permits reduced by 25
X5b	-	Permits reduced by 150
X6	-	Permits reduced by 1,400; one week added to season
X7a	-	Permits reduced by 200; season earlier
X7b	-	Permits reduced by 200; season earlier
X8	-	Permits increased by 100; season earlier
X9	-	Season earlier
X10	-	Permits increased by 150
X11	-	Minor boundary change; archery only, tag must be used
X12	-	Season earlier

Special Hunts

S-3	-	Catalina Island repealed
S-3	-	New hunt - (Camp Beale)
S-4	-	From either sex to bucks only; permits reduced by 50
S-5	-	Repealed by Monterey County
S-6	-	Permits reduced by 5
S-7	-	From either sex to bucks only
S-8	-	Repealed by Monterey County
S-10	-	Permits reduced by 80
S-14	-	Changed from either sex to bucks only
S-15	-	Changed from buck only to either sex
S-16	-	Area expanded; additional tag (20 muzzle loading and 30 archery)
S-21	-	Repealed by Monterey County
S-22	-	New hunt
S-23	-	New hunt
XS-1	-	Season one week later
XS-2	-	Repealed

The following tables are contained in this report:

Table 1 - Bag and Hunter Effort by Species
Upland Game
Waterfowl
Big Game

Table 2 - Summary of Statewide Bag - 1986.

Table 3 - Reported Hunting License and Tag Sales, Hunter Harvest and Effort - 1971-1986.

Table 4 - Statewide Hunters - 1972-1986.

Table 5 - Game Bag, Ten Leading Counties - 1986 (Pheasants, Quail, Dove, Band-tailed Pigeons, Jack Rabbits, Cottontail/Brush Rabbits, Ducks and Geese).

Table 6 - Regional Game Bag, Major Species - 1986.

Table 7 - Distribution of Hunter Effort by Game Species - 1986.

Table 8 - Hunter Success Summary - 1960-1986.

Table 9 - Statewide Bag, Hunters, and Hunter Days
Upland Game
Upland Game/Other
Waterfowl
Big Game/Totals - All Species

Table 10- Mailing and Return of Questionnaires

It is important to note that statistical biases are inherent in this survey and that the principal value are the bag figures which are an indication of harvest trends. Total respondents represent only about 3 percent of all hunting license buyers; consequently, those species of game which attract smaller numbers of hunters can be greatly affected by sampling bias. For all species, the use of this survey should be limited to determining long-range trends in most cases.

The estimated total hunting license sales divided by the number of questionnaires returned provides the projection factor for calculating total figures. The projection factor used for the 1986 Hunter Survey calculations was 36.

TABLE 1

BAG AND HUNTER EFFORT BY SPECIES

(UPLAND GAME)

	1985	1986	Change From 1985
PHEASANTS			
Statewide Bag	308,847	241,128	-21.9%
Hunters Reported	115,248	82,824	-28.1%
Average Seasonal Bag	2.7	2.9	8.6%
Total Days Hunted	447,321	339,966	-24.0%
Average Days Hunted	3.9	4.1	5.8%
QUAIL			
Statewide Bag	1,110,585	1,095,072	-1.4%
Hunters Reported	125,489	108,018	-13.9%
Average Seasonal Bag	8.6	10.1	17.9%
Total Days Hunted	542,234	484,857	-10.6%
Average Days Hunted	4.3	4.5	3.9%
DOVES			
Statewide Bag	2,640,610	2,018,376	-23.6%
Hunters Reported	165,571	138,669	-16.2%
Average Seasonal Bag	15.9	14.6	-8.7%
Total Days Hunted	607,502	469,404	-22.7%
Average Days Hunted	3.7	3.4	-7.7%
BAND-TAILED PIGEONS			
Statewide Bag	77,714	65,229	-16.1%
Hunters Reported	18,130	14,790	-18.4%
Average Seasonal Bag	4.3	4.4	2.9%
Total Days Hunted	51,548	39,831	-22.7%
Average Days Hunted	2.8	2.7	-5.3%
CHUKAR PARTRIDGE			
Statewide Bag	50,764	38,709	-23.7%
Hunters Reported	15,925	14,382	-9.7%
Average Seasonal Bag	3.2	2.7	-15.6%
Total Days Hunted	61,299	49,623	-19.0%
Average Days Hunted	3.9	3.5	-11.5%

TABLE 2

SUMMARY OF STATEWIDE BAG - 1986

Species	Yearly Average 1976-1980	1985	1986	Change From 1985
Pheasant	532,350	308,850	241,128	-21.9%
Quail	1,799,010	1,110,590	1,095,072	-1.4%
Dove	3,361,600	2,640,610	2,018,376	-23.6%
Chukar Partridge	88,070	50,760	38,709	-23.7%
Sage Grouse	4,580	Closed	Closed	
Blue/Ruffed Grouse	9,240	9,950	6,222	-37.5%
Band-Tailed Pigeons	140,750	77,710	65,229	-16.1%
Wild Turkeys	2,600	7,790	9,690	24.4%
Jack Rabbits	807,330	365,980	250,155	-31.6%
Cottontail/Brush Rabbits	544,110	313,260	261,681	-16.5%
Tree Squirels	240,190	188,360	131,325	-30.3%
Ducks	2,955,290	1,693,240	1,202,529	-29.0%
Geese	185,330	201,590	91,086	-54.8%
Jacksnipe	68,600	24,300	15,045	-38.1%
Coots	309,060	93,490	33,660	-64.0%
Deer (Hunter Survey)	73,170	69,380	65,484	-5.6%
Deer (Tag Returns)	33,230	31,650	31,651	.0%
Bear (Hunter Survey)	2,090	1,620	1,224	-24.4%
Bear (Tag Returns)	600	1,140	1,035	-9.2%
Wild Pigs	28,460	34,740	56,447	62.5%

TABLE 2

REPORTED HUNTING LICENSE AND TAG SALES, HUNTER HARVEST AND EFFORT - 1971-1986

LICENSE & TAG SALES	1971	1972	1973	1974	1975*	1976	1977	1978*	1979	1980	1981	1982	1983	1984	1985	1986
Hunting License	714,000	628,800	668,500	661,000	617,000	580,080	572,000	532,000	522,443	553,124	540,000	532,000	533,728	487,804	488,770	456,681
Deer Hunters	380,000	353,300	387,400	352,426	322,413	324,000	349,000	287,900	283,897	294,400	303,251	306,768	278,906	253,725	260,262	210,933
Deer Tags	----------	----------	----------	----------	----------	----------	----------	377,300	361,500	377,300	380,216	383,036	355,581	317,855	314,810	295,220
Bear Tags	26,000	24,300	30,528	30,273	27,322	29,395	26,150	16,745	21,847	27,347	31,486	25,859	14,378	11,077	11,944	9,864
Pheasant Tags	207,000	184,100	194,303	213,683	----------	----------	----------	----------	----------	NOT	ISSUED	----------	----------	----------	----------	----------
Duck Stamps (Federal)	173,474	152,414	144,582	149,548	143,289	135,268	128,280	124,191	122.764	114,825	108,367	109,258	109,654	107,736	93,253	93,123
Duck Stamps (State)	NOT ISSUED	143,400	155,556	169,395	157,204	141,049	151,300	127,234	114,028	111,786	102,853	105,144	106,806	98,785	97,021	91,377
STATE-WIDE BAG																
Deer (Buck Tag Returns)	38,907	37,487	30,402	23,124	26,314	29,784	36,667	30,889	36,415	32,377	42,251	32,520	26,886	32,190	31,651	30,253
Deer (Hunter Survey)	93,300	86,200	81,200	76,200	62,800	74,700	90,700	69,300	70,100	61,060	83,030	55,780	51,800	57,492	69,384	65,484
Bear (Tag Return)	559	626	767	632	553	486	451	655	731	655	766	753	601	770	1,138	1,035
Bear (Hunter Survey)	1,200	1,600	3,400	1,800	1,750	1,800	1,200	1,700	2,800	2,970	1,440	1,180	970	1,116	1,617	1,224
Wild Pigs	15,100	15,900	23,300	20,100	23,300	32,100	32,000	27,300	21,200	29,710	36,670	28,300	35,600	40,392	34,741	56,447
Pheasants	700,300	493,300	638,900	776,300	613,900	528,200	490,600	493,700	562,600	586,650	375,330	317,000	442,200	379,440	308,847	241,128
Quail	1,965,200	1,334,800	1,774,300	2,188,400	2,150,300	1,553,400	1,607,900	1,781,100	2,021,900	2,030,760	1,151,490	1,172,950	1,410,220	1,004,436	1,110,585	1,095,072
Doves	4,248,300	3,850,500	4,350,200	4,551,000	4,151,600	3,306,100	3,543,500	3,326,600	3,369,400	3,262,410	3,336,920	3,272,560	2,738,660	2,551,572	2,640,610	2,018,376
Chukar Partridge	57,400	25,500	51,900	102,300	70,700	44,400	51,300	96,800	136,300	111,540	45,990	32,720	67,850	42,408	50,764	38,709
Blue and Ruffed Grouse	4,700	5,400	12,600	10,000	9,400	8,600	9,100	9,200	9,300	10,020	9,250	7,730	4,320	7,668	9,947	6,222
Sage Grouse	9,900	7,400	2,800	4,400	3,700	3,600	4,000	4,000	5,000	6,280	4,660	3,190	----------	CLOSED	----------	----------
Band-tailed Pigeons	285,800	536,800	271,600	209,900	132,400	90,200	160,900	136,500	183,300	132,830	213,860	116,220	153,590	125,892	77,714	65,229
Jack Rabbits	1,166,400	1,129,100	1,009,800	953,400	884,600	711,000	710,500	757,100	956,300	901,750	726,680	566,560	569,850	527,616	365,981	250,155
Cottontail/Brush Rabbits	570,300	443,800	642,400	848,400	766,900	500,700	498,400	463,400	621,300	636,740	477,370	345,720	441,690	462,024	313,257	261,681
Tree Squirrels	217,600	219,100	225,400	188,200	195,400	254,200	346,500	241,600	191,300	167,360	246,330	165,340	141,400	116,064	188,356	131,325
Ducks	3,401,300	2,890,400	2,781,400	3,966,700	3,081,500	3,240,400	2,074,400	2,673,000	2,376,800	2,038,850	1,623,740	1,531,740	1,741,050	1,566,324	1,693,244	1,202,529
Geese	373,900	296,700	350,500	346,500	270,000	297,000	216,500	188,600	115,700	108,830	137,750	100,210	160,630	145,152	201,586	91,086
Coots	420,000	446,300	445,300	545,800	590,100	417,000	280,300	274,600	322,000	251,420	172,370	153,250	161,460	145,764	93,492	33,660
Jacksnipe	92,000	75,600	71,600	92,800	121,400	86,500	72,100	72,700	61,000	50,700	33,520	29,300	22,500	43,848	24,304	15,045
Wild Turkeys	1,100	1,900	1,500	1,900	4,300	2,200	2,300	2,800	1,600	4,085	4,550	4,830	4,050	5,652	7,791	9,630
Mountain Lion (Tag Returns)	35	----------	----------	----------	----------	----------	----------	CLOSED	SEASON	----------	----------	----------	----------	----------	----------	----------
NUMBER HUNTER DAYS	8,689,200	7,994,500	9,299,000	9,428,600	8,251,700	6,097,100	8,357,900	6,941,800	[illegible]	7,256,680	8,145,320	7,610,600	7,833,340	7,090,560	6,905,668	5,495,097

* 1975 - This was the first year that follow-up questionaires were sent. This resulted in smaller but more accurate estimates of kill from this year forward.

* 1978 - This was the first year that the deer tag option was established.

*** Estimated

TABLE 4

STATEWIDE HUNTERS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Deer (Applications Sold	352,300	387,400	352,426	322,413	324,000	349,000	287,300	283,897	294,400	299,217	306,770	278,906	253,725	260,262	295,220
Deer (Hunter Survey)	337,100	382,700	361,500	326,000	334,700	337,400	295,100	291,100	304,950	385,500	364,000	361,330	286,884	323,596	300,543
Bear (Applications Sold	24,300	30,528	30,273	27,322	29,395	26,150	16,745	21,847	27,347	31,486	25,859	14,378	11,077	11,944	9,864
Bear (Hunter Survey)	20,200	32,500	31,000	25,700	25,500	26,900	19,600	19,500	20,810	22,530	19,880	13,850	11,880	14,406	10,914
Wild Pigs	23,700	29,300	32,200	30,500	28,600	32,100	27,800	23,900	27,900	32,780	31,610	39,360	36,108	45,129	49,929
Pheasants	197,200	212,900	228,900	205,400	183,700	172,000	155,500	144,500	146,760	132,200	123,240	137,220	146,808	115,249	82,824
Quail	156,400	173,700	189,400	175,300	152,800	151,200	141,400	147,100	150,580	151,330	135,250	145,310	133,992	125,489	108,018
Dove	226,300	252,100	255,100	236,600	202,600	203,600	184,200	187,400	189,030	206,020	204,970	175,350	173,160	165,571	138,669
Chukar Partridge	15,900	20,600	28,300	22,900	16,300	17,500	19,900	26,100	26,920	16,280	13,870	19,230	19,260	15,925	14,382
Blue and Ruffed Grouse	4,800	8,400	8,500	6,300	5,900	5,900	6,600	6,600	7,050	6,330	5,850	5,200	5,724	6,956	4,947
Sage Grouse	7,600	5,500	6,000	4,600	5,000	3,300	4,400	5,000	5,670	5,770	4,370	---------- Closed Season ----------			
Band-tailed Pigeon	50,900	39,400	38,600	26,800	18,300	24,500	22,000	25,400	24,510	29,370	22,760	25,350	25,812	18,130	14,790
Jack Rabbits	105,500	112,200	114,500	100,800	84,900	83,400	76,300	80,400	79,380	75,300	61,679	64,630	50,420	42,581	32,569
Cottontail/Brush Rabbit	76,700	89,200	104,200	93,300	74,600	73,700	64,300	78,000	79,980	72,780	58,670	67,850	64,548	46,637	40,137
Tree Squirrels	58,800	59,000	55,600	49,700	54,900	63,900	52,400	43,800	43,690	52,610	42,140	35,360	32,940	40,376	32,742
Ducks	176,200	196,100	204,700	174,300	158,600	146,300	131,200	124,200	114,590	119,990	105,830	113,070	131,940	118,237	86,598
Geese	79,300	93,600	87,200	67,900	68,500	60,900	56,900	43,100	48,890	49,000	48,100	34,210	53,104	61,446	37,689
Coots	29,800	36,100	38,300	33,800	25,800	19,100	19,800	18,700	17,540	14,210	11,660	12,860	12,636	7,427	4,488
Jacksnipe	10,200	11,300	14,700	12,900	11,100	8,700	10,100	9,600	7,570	5,320	4,900	4,000	5,076	3,724	1,938
Wild Turkey	5,500	7,300	9,900	9,300	10,500	9,800	7,100	6,000	10,240	12,730	13,790	13,110	16,032	16,023	16,524

TABLE 5
MAJOR SPECIES GAME BAG - 1986
(TEN LEADING COUNTIES)

PHEASANTS	% OF STATE TOTAL	POSITION 1985
1. Butte	11.3	4
2. Yolo	10.2	2
3. Colusa	9.9	1
4. Glenn	8.0	5
5. Sutter	7.5	3
6. Solano	6.2	6
7. San Joaquin	6.2	8
8. Merced	5.5	9
9. Stanislaus	5.5	10
10. Sacramento	4.7	7
All Others	33	

QUAIL		
1. Kern	11.5	1
2. Riverside	7.9	2
3. San Bernardino	7.6	3
4. Monterey	7	6
5. San Luis Obispo	5.6	5
6. Santa Barbara	4.9	4
7. San Diego	4.4	8
8. Los Angeles	3.6	9
9. Fresno	3.2	11
10. Shasta	3.1	12
All Others	41.2	

DOVES		
1. Kern	12.6	2
2. Imperial	11.8	1
3. Riverside	8	3
4. Tulare	6.5	5
5. Fresno	5.7	4
6. San Bernardino	4.6	7
7. Merced	3.4	6
8. San Luis Obispo	3.2	20
9. San Diego	3	19
10. San Joaquin	2.9	9
All Others	38.3	

BAND-TAILED PIGEONS		
1. Monterey	20.8	1
2. Shasta	18.3	2
3. San Diego	8.7	6
4. Kern	8.1	14
5. Siskiyou	5.8	4
6. Amador	3.8	22
7. Mendocino	3.4	17
8. San Luis Obispo	3.1	12
9. Butte	3.1	9
10. Ventura	2.7	43
All Others	22.2	

JACK RABBITS	% OF STATE TOTAL	POSITION 1985
1. Kern	27.7	1
2. San Bernardino	15	2
3. Los Angeles	6.7	12
4. Inyo	4.2	6
5. San Diego	4.1	10
6. Lassen	3.7	3
7. Riverside	3.5	4
8. Siskiyou	2.9	11
9. Merced	2.9	14
10. Mono	2.7	23
All Others	26.6	

RABBITS (COTTONTAIL/BRUSH)		
1. Kern	17.9	2
2. San Bernardino	13.7	1
3. Riverside	12.1	3
4. San Diego	11.1	4
5. Los Angeles	6	6
6. Ventura	5.2	11
7. Santa Barbara	4.5	7
8. Imperial	4.1	[illegible]
9. San Luis Obispo	3.6	13
10. Monterey	3.1	14
	18.7	

DUCKS		
1. Merced	14.7	1
2. Colusa	12.1	2
3. Butte	9.3	3
4. Solano	6.6	4
5. Glenn	5.8	5
6. Imperial	5.4	11
7. Siskiyou	3.8	12
8. Sutter	3.5	6
9. Yolo	3.2	7
10. Fresno	3.2	8
	32.4	

GEESE		
1. Colusa	16.6	1
2. Glenn	14.4	2
3. Modoc	9.9	7
4. Imperial	8.2	9
5. Butte	8.1	
6. Merced	5.5	3
7. Siskiyou	5.1	5
8. Lassen	4.9	6
9. Sutter	4.4	8
10. Stanislaus	2.1	22
	20.8	

SAGE GROUSE

Statewide Bag	SEASON CLOSED	SEASON CLOSED	
Hunters Reported			
Average Seasonal Bag			
Total Days Hunted			
Average Days Hunted			

BLUE/RUFFED GROUSE

Statewide Bag	9,947	6,222	-37.4%
Hunters Reported	6,958	4,947	-28.9%
Average Seasonal Bag	1.4	1.3	-12.0%
Total Days Hunted	22,932	15,300	-33.3%
Average Days Hunted	3.4	3.1	-9.0%

JACK RABBITS

Statewide Bag	365,981	250,155	-31.6%
Hunters Reported	42,581	32,589	-23.5%
Average Seasonal Bag	8.6	7.7	-10.7%
Total Days Hunted	384,454	225,930	-41.2%
Average Days Hunted	9.0	6.9	-23.2%

COTTONTAIL/BRUSH RABBITS

Statewide Bag	313,257	261,681	-16.5%
Hunters Reported	46,697	40,137	-14.0%
Average Seasonal Bag	6.7	6.5	-2.8%
Total Days Hunted	278,467	233,631	-16.1%
Average Days Hunted	6.0	5.8	-2.4%

TREE SQUIRRELS

Statewide Bag	188,356	131,325	-30.3%
Hunters Reported	40,376	32,742	-18.9%
Average Seasonal Bag	4.7	4.0	-14.0%
Total Days Hunted	230,104	148,563	-35.4%
Average Days Hunted	5.7	4.5	-20.4%

WILD TURKEY

Statewide Bag	7,791	9,690	24.4%
Hunters Reported	16,023	16,524	3.1%
Average Seasonal Bag	.5	.6	20.6%
Total Days Hunted	52,871	57,477	8.7%
Average Days Hunted	3.3	3.5	5.4%

(WATERFOWL)

DUCKS

Statewide Bag	1,566,324	1,202,529	-23.2%
Hunters Reported	131,940	86,598	-34.4%
Average Seasonal Bag	11.9	13.9	17.0%
Total Days Hunted	883,764	614,550	-30.5%
Average Days Hunted	6.7	7.1	5.9%

GEESE

Statewide Bag	201,586	91,086	-54.8%
Hunters Reported	61,446	37,689	-38.7%
Average Seasonal Bag	3.3	2.4	-26.3%
Total Days Hunted	438,550	251,124	-42.7%
Average Days Hunted	7.1	6.7	-6.6%

DEER (Hunter Survey)

Statewide Bag	69,384	65,484	-5.6%
Hunters Reported	323,596	300,543	-7.1%
Total Days Hunted	2,113,370	1,946,364	-7.9%
Average Days Hunted	6.5	6.5	-.8%

(BIG GAME)

DEER (Tag Returns)

Statewide Bag	31,651	30,253	-4.4%
Deer Tag Sales	314,810	291,974	-7.3%

BEAR (Hunter Survey)

Statewide Bag	1,617	1,224	-24.3%
Hunters Reported	14,406	10,914	-24.2%
Total Days Hunted	86,240	58,752	-31.9%
Average Days Hunted	6.0	5.4	-10.1%

BEAR (Tag Returns)

Statewide Bag	1,138	1,035	-9.1%
Bear Tag Sales	11,944	9,864	-17.4%

WILD PIGS

Statewide Bag	34,741	56,447	62.5%
Hunters Reported	45,129	49,929	10.6%
Total Days Hunted	248,724	296,871	19.4%
Average Days Hunted	5.5	5.9	7.9%

TABLE 6

DISTRIBUTION OF MAJOR GAME SPECIES BY ADMINISTRATIVE REGION*

1986

(Percentage of State Bag)

	Pheasants		Quail		Doves		Jack Rabbit		Cottontail		Ducks	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
Region 1	6	4	18	11	4	4	12	9	3	3	8	9
Region 2	66	53	6	9	14	17	6	7	4	3	49	40
Region 3	4	10	18	21	10	11	6	7	7	11	6	12
Region 4	17	18	24	21	36	34	35	34	28	24	23	22
Region 5	4	14	32	37	33	33	35	41	53	54	10	16
Unknown	3	1	2	1	3	1	6	2	5	5	4	1
	100	100	100	100	100	100	100	100	100	100	100	100

TABLE 7

DISTRIBUTION OF HUNTER EFFORT BY GAME SPECIES - 1986

Species	Number of Individual Hunters			Percent Of Total Individual Hunters		
	Sucessful	Unsucessful	Total	Sucessful	Unsucessful	Tota
Deer	60,231	240,312	300,543	14	55	69
Bear	1,224	9,690	10,914	.3	2	2.3
Wild Pig	22,695	27,234	49,929	5	6	11
Coyote	14,586	9,945	24,531	3	2	5
Bobcat	408	1,836	2,244	.1	.4	.5
Crow	4,437	714	5,151	1	.2	1.2
Pheasant	59,976	22,848	82,824	14	5	19
Chukar Partridge	7,701	6,681	14,382	2	2	4
Quail	86,190	21,828	108,018	20	5	25
Doves	125,562	13,107	138,669	29	3	32
Band-tailed Pigeons	10,200	4,590	14,790	2	1	3
Blue/Ruffed Grouse	2,601	2,346	4,947	.6	.5	1.1
Jack Rabbits	28,662	3,927	32,589	7	.9	7.9
Tree Squirrels	26,877	5,865	32,742	6	1	7
Cottontail/ Brush Rabbits	34,833	5,304	40,137	8	1	9
Wild Turkeys	5,916	10,608	16,524	1	2	3
Ducks	75,225	11,373	86,598	17	3	20
Geese	22,134	15,555	37,689	5	4	9
Jack Snipe	1,632	306	1,938	.4	.1	.5
Coots	4,182	306	4,488	1	.1	1.1

Total Individual Hunters - 434,316

Due to one hunter often hunting multiple species, percent total exceed 100% and hunter numbers exceed the total number of individual hunters reported.

TABLE 8
HUNTER SUCCESS 1960-1986
As Reported by Hunter Survey Respondents
(In Percent)

	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

TABLE 9

STATEWIDE BAG, HUNTERS, AND HUNTER DAYS

COUNTY	DOVES			PIGEON			BLUE/RUFFED GROUSE		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS
ALAMEDA	17,595	969	5,100	0	51	51	0	0	0
ALPINE	459	51	255	51	51	51	306	204	255
AMADOR	26,469	1,224	4,335	2,499	459	1,071	0	51	102
BUTTE	53,754	3,672	13,923	1,989	408	714	0	0	0
CALAVARAS	8,823	714	1,734	51	153	204	0	0	0
COLUSA	32,079	3,366	6,630	0	0	0	0	0	0
CONTRA COSTA	14,178	1,428	4,743	0	0	0	0	0	0
DEL NORTE	0	0	0	357	51	102	0	0	0
EL DORADO	9,027	561	2,448	0	153	204	0	0	0
FRESNO	114,342	6,018	23,001	204	51	102	306	153	306
GLENN	45,645	3,315	12,495	153	51	204	0	51	510
HUMBOLDT	0	0	0	51	51	102	765	510	1,938
IMPERIAL	238,017	15,300	40,800	0	0	0	0	0	0
INYO	38,760	2,499	13,668	0	0	0	102	102	102
KERN	254,796	13,260	51,357	5,253	1,377	3,927	0	0	0
KINGS	41,667	1,938	7,038	0	0	0	0	0	0
LAKE	4,080	612	1,683	0	0	0	0	51	0
LASSEN	16,065	2,040	5,457	102	102	357	561	459	1,479
LOS ANGELES	25,755	2,499	8,772	153	357	714	0	0	0
MADERA	20,757	1,632	3,723	0	0	0	0	51	0
MARIN	2,754	408	1,224	102	51	51	0	0	0
MARIPOSA	4,284	255	969	0	51	51	0	0	0
MENDOCINO	2,244	408	1,071	2,193	459	1,938	357	306	765
MERCED	69,054	5,049	19,023	0	51	51	0	0	0
MODOC	5,151	663	1,479	0	0	0	1,326	612	1,938
MONO	3,927	408	1,122	0	0	0	204	255	867
MONTEREY	35,598	2,703	7,905	13,566	2,499	5,661	0	0	0
NAPA	12,393	714	2,907	0	0	0	0	0	0
NEVADA	357	102	102	714	153	459	51	51	51
ORANGE	3,468	408	612	0	0	0	0	0	0
PLACER	10,965	969	4,029	408	153	306	663	306	1,275
PLUMAS	2,091	255	663	0	51	102	357	357	1,326
RIVERSIDE	160,803	11,118	37,077	1,020	357	459	0	0	0
SACRAMENTO	19,431	2,550	7,497	510	102	561	0	0	0
SAN BENITO	10,455	714	2,397	0	0	0	0	0	0
SAN BERNARDINO	93,432	6,324	19,992	0	102	255	0	0	0
SAN DIEGO	60,231	2,958	13,209	5,661	1,377	2,856	0	0	0
SAN FRANCISCO	0	0	0	0	0	0	0	0	0
SAN JOAQUIN	59,466	4,692	18,921	153	51	51	0	0	0
SAN LUIS OBISPO	63,648	4,029	14,127	1,989	561	1,224	0	0	0
SAN MATEO	510	153	357	0	51	51	0	0	0
SANTA BARBARA	34,425	2,244	8,007	510	357	408	0	0	0
SANTA CLARA	14,280	918	2,244	1,020	102	816	0	0	0
SANTA CRUZ	16,167	969	4,539	1,071	306	714	0	0	0
SHASTA	16,014	1,683	4,641	11,934	1,581	5,253	0	0	0
SIERRA	1,275	204	816	1,683	153	1,020	102	51	510
SISKIYOU	17,697	1,734	3,672	3,774	918	3,060	714	204	2,550
SOLANO	15,198	1,122	4,590	0	0	0	0	867	0
SONOMA	11,679	1,530	5,100	867	204	459	0	0	0
STANISLAUS	47,634	3,672	13,515	561	51	1,275	0	0	0
SUTTER	16,014	1,530	4,029	102	51	204	0	0	0
TEHAMA	25,602	2,448	4,998	153	102	255	0	0	204
TRINITY	612	102	459	1,479	306	1,530	204	51	816
TULARE	132,039	6,426	23,460	1,173	153	663	204	204	306
TUOLOMNE	2,856	255	459	663	204	663	0	51	0
VENTURA	23,919	1,887	6,375	1,734	714	1,377	0	0	0
YOLO	40,800	4,080	15,810	51	51	51	0	0	0
YUBA	17,952	1,479	4,845	765	102	204	0	0	0
UNKNOWN	1,683	408	0	51	51	0	0	0	0
TOTAL	2,018,376	138,669	469,404	65,229	14,790	39,831	6,222	4,947	15,300

TABLE 9

STATEWIDE BAG, HUNTERS, AND HUNTER DAYS

COUNTY	QUAIL			CHUKAR PARTRIDGE			JACKRABBIT		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS
ALAMEDA	5,202	765	7,548	0	0	0	1,326	204	459
ALPINE	714	153	867	0	51	51	0	102	102
AMADOR	11,934	1,173	4,794	255	51	51	663	102	4,590
BUTTE	5,763	969	2,907	765	51	153	1,122	408	1,785
CALAVARAS	10,506	1,122	3,621	0	0	0	0	0	0
COLUSA	2,652	561	1,326	0	0	0	459	255	510
CONTRA COSTA	2,958	459	1,836	0	0	0	2,193	357	3,162
DEL NORTE	459	102	816	0	51	102	0	51	153
EL DORADO	8,976	1,581	6,069	0	0	0	153	255	1,326
FRESNO	35,496	3,213	12,699	714	255	1,071	3,621	510	6,936
GLENN	5,916	816	1,938	0	51	306	2,397	510	1,173
HUMBOLDT	13,872	1,122	7,191	0	0	0	204	204	561
IMPERIAL	27,132	3,417	9,282	306	102	153	4,386	1,224	2,499
INYO	23,766	2,856	18,870	7,242	2,601	9,894	10,404	1,071	5,304
KERN	125,613	10,914	49,215	9,690	4,437	18,360	69,258	5,406	41,106
KINGS	102	153	459	0	0	0	204	102	306
LAKE	13,260	1,326	7,803	0	0	0	459	306	2,142
LASSEN	16,065	2,091	9,741	8,517	1,836	6,273	9,282	1,122	6,171
LOS ANGELES	39,780	4,539	20,808	867	153	255	16,728	2,397	19,941
MADERA	4,896	714	2,193	0	0	0	510	102	765
MARIN	1,377	255	510	0	0	0	51	51	51
MARIPOSA	7,497	663	3,672	255	51	102	0	0	0
MENDOCINO	19,992	2,601	10,047	0	0	0	2,601	204	2,244
MERCED	9,129	1,275	4,794	0	102	102	7,242	561	3,519
MODOC	7,803	918	2,754	561	102	255	3,825	357	2,040
MONO	3,927	459	2,550	867	204	612	6,834	306	11,526
MONTEREY	76,398	5,253	19,941	0	0	0	4,692	561	3,468
NAPA	5,763	765	3,927	0	0	0	459	255	612
NEVADA	3,672	561	2,601	0	0	0	0	153	867
ORANGE	6,018	510	2,397	0	0	0	102	51	51
PLACER	13,566	1,071	6,783	0	0	0	408	51	510
PLUMAS	18,411	1,581	6,375	0	0	0	510	51	102
RIVERSIDE	86,955	7,191	35,139	663	255	612	8,874	1,785	8,517
SACRAMENTO	2,193	663	1,632	0	0	0	1,836	204	1,275
SAN BENITO	10,455	1,581	3,927	408	306	714	51	51	51
SAN BERNARDINO	83,283	7,854	34,833	5,253	3,009	8,925	37,434	4,794	34,425
SAN DIEGO	48,450	4,131	24,990	153	102	102	10,098	1,581	15,249
SAN FRANCISCO	0	0	0	0	0	0	0	0	0
SAN JOAQUIN	7,140	969	4,794	714	102	153	4,080	612	3,468
SAN LUIS OBISPO	61,863	4,335	20,757	408	255	459	1,173	408	612
SAN MATEO	3,519	459	2,958	0	0	0	0	0	0
SANTA BARBARA	53,958	3,672	17,238	0	51	102	5,916	459	3,213
SANTA CLARA	13,362	1,122	5,406	0	0	0	612	204	5,763
SANTA CRUZ	2,295	408	1,581	0	0	0	0	0	0
SHASTA	33,966	2,805	16,524	0	0	0	561	357	1,071
SIERRA	4,998	612	2,601	0	0	0	0	0	0
SISKIYOU	30,039	3,009	15,555	204	51	51	7,293	918	5,304
SOLANO	2,907	408	2,652	0	0	0	2,346	459	2,805
SONOMA	6,528	969	2,601	0	0	0	2,550	459	1,071
STANISLAUS	8,721	918	4,692	0	0	0	2,397	306	2,550
SUTTER	816	408	510	0	0	0	3,927	357	2,703
TEHAMA	16,320	1,581	5,559	0	0	0	816	357	1,887
TRINITY	3,519	459	1,581	0	0	0	510	255	765
TULARE	23,817	2,295	9,231	51	51	51	2,040	357	4,182
TUOLOMNE	17,595	2,193	10,914	0	0	0	714	153	3,315
VENTURA	27,999	3,825	16,728	408	51	714	4,539	510	2,193
YOLO	5,151	1,071	3,825	0	0	0	1,326	408	1,122
YUBA	2,346	714	2,295		0	0	612	204	408
UNKNOWN	8,262	408	0	40	51	0	357	102	0

TABL

STATEWIDE BAG, HUNTERS, AND HUNTER DAYS

COUNTY	TURKEY			CROW			PHEASANT		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS
ALAMEDA	0	0	0	0	0	0	816	153	1,224
ALPINE	0	0	0	0	0	0	0	0	0
AMADOR	0	255	1,173	0	0	0	561	357	1,428
BUTTE	1,785	1,020	3,264	1,071	153	1,275	27,132	6,273	29,835
CALAVARAS	102	408	612	0	0	0	510	51	255
COLUSA	0	153	306	0	0	0	23,766	6,987	26,469
CONTRA COSTA	0	0	0	102	51	102	3,417	1,581	4,794
DEL NORTE	0	0	0	0	0	0	0	0	0
EL DORADO	357	1,071	4,182	0	0	0	918	102	714
FRESNO	51	51	51	1,734	153	510	5,151	2,754	9,537
GLENN	0	153	408	714	204	306	19,278	5,661	25,602
HUMBOLDT	0	102	204	0	51	51	0	0	0
IMPERIAL	0	0	0	204	51	102	4,539	1,785	6,579
INYO	0	0	0	0	0	0	0	153	357
KERN	510	510	3,621	969	306	765	4,437	2,550	6,528
KINGS	0	0	0	0	0	0	1,479	765	3,621
LAKE	51	153	1,683	0	0	0	0	0	0
LASSEN	0	102	153	0	0	0	969	714	2,754
LOS ANGELES	0	0	0	255	204	1,887	1,071	204	714
MADERA	51	102	153	1,428	153	204	1,275	663	1,836
MARIN	0	0	0	0	0	0	0	51	51
MARIPOSA	0	51	51	0	0	0	0	0	0
MENDOCINO	306	561	1,479	255	51	51	0	0	0
MERCED	0	153	153	4,641	306	5,508	13,209	5,610	20,145
MODOC	0	0	0	153	51	153	1,275	714	1,887
MONO	0	0	0	0	0	0	0	0	0
MONTEREY	153	459	765	765	102	255	102	153	714
NAPA	0	0	0	0	0	0	459	102	357
NEVADA	255	459	1,071	0	0	0	0	0	0
ORANGE	0	0	0	357	102	510	0	0	0
PLACER	255	1,224	4,335	0	0	0	3,774	1,122	4,998
PLUMAS	51	51	0	0	0	0	0	0	0
RIVERSIDE	0	0	0	2,907	612	1,377	2,652	816	2,550
SACRAMENTO	0	51	204	204	102	306	11,271	4,539	17,952
SAN BENITO	51	255	510	153	51	51	204	357	408
SAN BERNARDINO	0	0	0	9,180	153	1,887	1,938	153	1,377
SAN DIEGO	408	51	408	4,437	204	2,040	51	153	408
SAN FRANCISCO	0	0	0	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	1,632	204	1,734	14,943	6,069	26,163
SAN LUIS OBISPO	816	1,479	3,825	1,224	102	153	102	51	408
SAN MATEO	0	0	0	0	0	0	0	0	0
SANTA BARBARA	0	102	102	1,326	204	459	51	51	153
SANTA CLARA	255	204	714	102	51	51	1,326	510	3,213
SANTA CRUZ	51	102	306	0	0	0	459	102	408
SHASTA	1,173	2,907	11,679	0	0	0	1,530	714	4,488
SIERRA	0	0	0	0	0	0	0	0	0
SISKIYOU	0	153	510	612	51	408	3,774	1,887	6,018
SOLANO	102	102	102	0	0	0	15,045	4,794	16,983
SONOMA	153	102	357	1,326	204	1,326	1,326	765	2,958
STANISLAUS	0	102	153	2,295	408	3,621	13,158	5,100	22,593
SUTTER	510	102	561	8,262	255	3,723	18,054	4,539	23,307
TEHAMA	1,071	1,530	5,304	2,907	102	2,805	2,754	1,275	5,304
TRINITY	0	0	0	0	0	0	0	0	0
TULARE	459	306	1,224	3,060	306	3,009	4,743	2,856	11,424
TUOLOMNE	0	306	663	153	51	510	0	0	0
VENTURA	0	51	51	0	0	0	51	51	153
YOLO	204	204	612	612	153	663	24,582	7,293	34,119
YUBA	408	1,326	6,528	0	0	0	8,160	1,836	9,180
UNKNOWN	102	51	0	0	0	0	816	408	0
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE

STATEWIDE BAG, HUNTER_, AND HUNTER DAYS

COUNTY	COTTONTAIL			TREE SQUIRREL			COYOTE		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS
ALAMEDA	357	204	306	153	102	51	714	510	2,601
ALPINE	0	51	51	0	51	51	0	102	204
AMADOR	1,122	153	612	4,743	714	2,652	255	408	6,171
BUTTE	561	153	357	5,763	1,224	6,579	1,071	306	1,938
CALAVARAS	153	51	153	2,601	816	3,264	102	153	204
COLUSA	0	0	0	663	306	867	306	255	1,938
CONTRA COSTA	51	51	51	357	204	765	357	306	4,335
DEL NORTE	0	0	0	153	102	561	0	51	102
EL DORADO	102	153	918	5,457	1,989	11,271	357	357	765
FRESNO	4,794	918	2,703	2,907	867	4,437	969	510	3,213
GLENN	153	102	51	1,530	714	2,856	0	51	204
HUMBOLDT	102	153	204	4,284	612	3,009	51	51	510
IMPERIAL	10,812	1,938	8,109	51	51	153	1,173	561	4,998
INYO	7,242	1,479	9,231	306	51	204	1,326	612	1,785
KERN	46,971	5,763	45,441	19,482	3,723	17,544	1,479	1,581	9,741
KINGS	2,142	306	1,581	102	102	306	255	153	204
LAKE	51	51	51	4,845	969	4,743	408	408	3,009
LASSEN	2,856	1,122	5,661	3,927	1,173	6,324	1,683	1,071	4,590
LOS ANGELES	15,708	2,397	11,118	204	153	408	1,428	612	2,499
MADERA	306	255	1,173	459	255	612	102	153	612
MARIN	0	0	0	663	153	510	0	51	153
MARIPOSA	459	153	204	4,335	969	3,468	204	102	204
MENDOCINO	255	102	306	3,672	1,224	4,437	357	357	714
MERCED	3,876	1,071	2,499	153	102	1,020	408	459	918
MODOC	459	408	867	1,428	408	2,652	816	714	3,570
MONO	1,581	408	3,978	0	0	0	714	612	5,610
MONTEREY	8,211	1,734	8,466	3,315	714	2,550	663	612	1,989
NAPA	0	0	0	255	102	612	204	204	510
NEVADA	0	51	51	561	459	1,887	51	204	765
ORANGE	663	255	306	0	0	0	102	102	153
PLACER	51	51	51	8,160	1,071	5,916	306	306	2,040
PLUMAS	255	153	255	1,326	714	1,989	561	561	4,131
RIVERSIDE	31,773	3,825	23,766	153	204	408	2,703	1,479	12,903
SACRAMENTO	51	51	255	255	102	1,173	0	51	51
SAN BENITO	3,213	306	1,275	0	0	0	663	204	765
SAN BERNARDINO	33,915	4,947	26,979	1,224	357	1,377	6,783	2,346	10,863
SAN DIEGO	28,968	2,550	26,877	2,244	255	1,632	17,187	1,326	20,808
SAN FRANCISCO	0	0	0	0	0	0	0	0	0
SAN JOAQUIN	1,785	408	1,479	459	153	663	0	51	51
SAN LUIS OBISPO	9,486	1,428	7,548	204	102	204	867	510	3,774
SAN MATEO	1,428	357	1,530	0	0	0	102	102	357
SANTA BARBARA	11,832	969	7,497	816	204	1,122	3,315	714	7,446
SANTA CLARA	2,958	408	3,519	408	204	1,173	51	51	51
SANTA CRUZ	918	204	918	306	102	153	153	51	510
SHASTA	867	306	612	8,925	2,295	9,282	765	408	1,377
SIERRA	51	51	51	204	102	255	1,428	357	6,579
SISKIYOU	2,295	765	3,162	8,823	1,887	11,526	1,122	867	6,783
SOLANO	612	153	255	510	102	561	204	204	19,176
SONOMA	510	153	255	1,632	306	1,581	561	357	3,264
STANISLAUS	1,326	510	1,734	1,530	357	2,091	306	306	408
SUTTER	459	153	459	153	51	510	0	51	51
TEHAMA	153	102	102	7,599	1,479	5,253	1,173	510	2,856
TRINITY	153	51	102	2,346	969	4,743	612	306	867
TULARE	3,417	816	4,896	2,499	1,071	3,774	102	255	1,632
TUOLOMNE	0	153	612	6,171	1,734	7,242	408	204	1,479
VENTURA	13,566	1,377	14,586	357	102	408	1,224	714	8,109
YOLO	102	153	204	0	0	0	153	153	204
YUBA	765	102	204	306	204	1,734	255	153	255
UNKNOWN	1,785	153	0	2,346	306	0	1,632	306	0
TOTAL	261,681	40,137	233,631	131,325	32,742	148,563	58,191	24,531	180,999

TABLE 9

STATEWIDE BAG, HUNTERS, AND HUNTER DAYS

COUNTY	BOBCAT			DUCKS			GEESE		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS
ALAMEDA	0	102	306	7,956	867	6,018	153	153	1,632
ALPINE	0	0	0	0	51	51	0	0	0
AMADOR	0	0	0	3,876	459	2,244	918	357	1,632
BUTTE	0	0	0	111,282	6,069	57,630	7,344	2,754	21,828
CALAVARAS	0	0	0	612	51	510	0	0	0
COLUSA	0	0	0	145,554	8,721	82,416	15,096	4,590	46,002
CONTRA COSTA	0	0	0	11,679	1,071	6,987	0	204	1,530
DEL NORTE	0	0	0	6,324	306	3,009	51	51	102
EL DORADO	0	102	867	306	51	0	510	51	255
FRESNO	0	51	2,040	38,403	3,162	14,382	255	255	867
GLENN	0	0	0	69,564	4,233	40,545	13,107	2,958	28,917
HUMBOLDT	0	0	0	8,925	561	4,182	204	51	306
IMPERIAL	0	0	0	65,433	4,437	20,961	7,446	2,856	13,566
INYO	0	0	0	5,100	1,224	5,967	408	612	5,916
KERN	0	357	1,479	34,578	3,264	20,961	816	816	4,947
KINGS	153	0	0	2,244	255	255	408	204	255
LAKE	0	0	0	1,785	306	1,632	0	51	153
LASSEN	0	102	408	16,422	1,836	11,016	4,488	1,734	8,568
LOS ANGELES	0	102	204	9,282	306	3,264	1,020	153	1,224
MADERA	0	0	0	5,355	663	3,366	153	204	1,734
MARIN	0	51	153	8,007	765	4,335	51	51	51
MARIPOSA	0	51	51	0	51	51	0	0	0
MENDOCINO	0	0	0	1,428	408	816	0	0	0
MERCED	0	0	0	176,919	9,129	72,012	4,998	2,958	19,839
MODOC	0	0	0	15,810	1,479	10,404	9,027	2,601	11,373
MONO	0	0	0	8,619	714	5,508	612	408	2,193
MONTEREY	0	0	0	5,712	510	4,794	102	51	1,224
NAPA	0	51	153	9,792	612	3,060	0	51	0
NEVADA	0	0	0	714	102	561	102	51	306
ORANGE	0	0	0	1,377	51	306	153	102	357
PLACER	0	102	612	8,874	918	11,322	408	408	6,477
PLUMAS	0	51	765	6,528	918	4,080	1,020	357	1,020
RIVERSIDE	0	153	1,275	27,591	3,264	15,300	1,326	1,122	4,743
SACRAMENTO	51	0	0	27,693	2,346	12,393	1,224	1,071	5,916
SAN BENITO	0	102	1,071	408	102	51	102	102	51
SAN BERNARDINO	153	204	1,734	8,211	969	4,335	459	561	1,275
SAN DIEGO	255	51	0	19,227	1,275	7,956	816	459	1,275
SAN FRANCISCO	0	0	0	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	24,123	1,938	11,781	1,428	714	4,233
SAN LUIS OBISPO	0	153	1,938	4,845	612	2,856	0	0	0
SAN MATEO	306	0	0	357	102	51	0	0	0
SANTA BARBARA	0	102	306	6,834	459	3,213	51	102	408
SANTA CLARA	0	0	0	8,568	459	1,428	0	0	0
SANTA CRUZ	0	51	102	0	0	0	0	0	0
SHASTA	0	153	357	7,293	1,122	6,885	918	612	4,182
SIERRA	0	0	0	255	102	765	0	51	255
SISKIYOU	0	0	0	45,237	3,162	23,511	4,641	2,499	10,404
SOLANO	0	0	0	78,846	4,896	42,687	1,428	969	11,424
SONOMA	0	0	0	8,211	918	7,599	51	102	1,020
STANISLAUS	0	0	0	12,342	1,173	5,814	1,938	459	3,366
SUTTER	0	0	0	42,024	2,703	22,032	3,978	1,275	7,650
TEHAMA	0	0	0	5,661	663	4,080	510	306	1,224
TRINITY	0	0	0	1,122	102	255	0	0	0
TULARE	0	102	561	2,550	510	1,275	306	306	663
TUOLOMNE	0	51	1,020	0	102	459	0	51	204
VENTURA	0	0	0	5,457	459	2,040	0	0	0
YOLO	0	0	0	38,913	2,397	21,828	663	714	4,743
YUBA	0	0	0	23,562	1,785	13,311	1,224	918	5,814
UNKNOWN	0	0	0	14,77[illegible]	1,428	0	1,173	204	0
TOTAL	918	2,244	15,402	1,202,529	86,598	614,550	91,086	37,689	251,124

TABL

STATEWIDE BAG, HUNTERS, AND HUNTER DAYS

COUNTY	JACK SNIPE			COOTS			DEER		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS
ALAMEDA	0	0	0	51	51	51	612	1,734	21,981
ALPINE	0	0	0	0	0	0	663	3,978	16,269
AMADOR	0	0	0	0	0	0	102	3,978	28,050
BUTTE	1,173	153	357	4,845	255	1,581	867	5,814	31,467
CALAVARAS	0	0	0	0	0	0	408	6,018	33,099
COLUSA	408	102	255	2,703	306	3,876	153	1,020	7,395
CONTRA COSTA	0	0	0	51	51	51	102	612	1,938
DEL NORTE	255	51	0	2,499	102	1,377	204	1,122	8,364
EL DORADO	0	0	0	0	0	0	1,122	11,220	75,123
FRESNO	1,224	51	255	561	153	204	510	4,743	26,010
GLENN	0	0	0	306	153	510	765	3,264	24,990
HUMBOLDT	1,734	204	1,632	459	153	1,224	2,193	3,825	24,378
IMPERIAL	0	0	0	663	255	561	102	663	1,734
INYO	0	51	51	2,754	204	4,947	1,020	8,619	54,366
KERN	969	102	306	2,550	306	1,224	1,836	10,098	57,426
KINGS	0	0	0	102	51	51	51	306	1,836
LAKE	0	0	0	0	0	0	1,275	4,590	33,252
LASSEN	0	0	0	510	204	561	3,876	14,739	85,119
LOS ANGELES	0	0	0	0	0	0	816	6,783	54,213
MADERA	0	0	0	0	0	0	51	1,887	10,608
MARIN	0	0	0	408	102	765	1,071	1,632	13,158
MARIPOSA	0	0	0	0	0	0	153	2,295	12,444
MENDOCINO	0	0	0	0	0	0	5,202	11,985	87,057
MERCED	2,652	102	357	2,448	255	867	306	918	5,151
MODOC	0	0	0	0	0	0	2,907	16,830	105,519
MONO	204	51	102	204	51	51	3,264	15,708	89,301
MONTEREY	0	0	0	255	102	153	3,570	9,741	62,526
NAPA	153	51	51	306	51	102	714	1,785	14,025
NEVADA	0	0	0	0	0	0	867	4,080	22,542
ORANGE	0	0	0	0	0	0	255	714	3,264
PLACER	867	102	612	0	0	0	663	5,763	39,117
PLUMAS	816	102	51	357	51	0	2,907	12,699	75,480
RIVERSIDE	102	51	51	510	153	867	306	3,570	18,870
SACRAMENTO	102	102	204	4,488	153	306	0	102	561
SAN BENITO	0	0	0	0	0	0	867	2,499	16,218
SAN BERNARDINO	0	0	0	102	51	102	510	5,100	37,383
SAN DIEGO	0	0	0	153	51	51	918	5,865	46,257
SAN FRANCISCO	0	0	0	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	1,479	255	918	102	204	2,295
SAN LUIS OBISPO	0	0	0	102	51	51	3,009	9,792	72,369
SAN MATEO	0	0	0	0	0	0	204	459	4,947
SANTA BARBARA	0	0	0	0	0	0	1,887	6,528	61,965
SANTA CLARA	0	0	0	0	0	0	561	1,530	8,874
SANTA CRUZ	0	0	0	0	0	0	153	510	6,987
SHASTA	0	0	0	0	0	0	1,938	8,823	54,978
SIERRA	0	0	0	0	0	0	816	4,386	26,010
SISKIYOU	0	102	255	0	102	255	4,488	17,340	137,649
SOLANO	1,479	204	1,275	1,683	255	1,581	408	765	7,446
SONOMA	0	0	0	0	0	0	1,938	5,151	42,228
STANISLAUS	2,040	51	510	153	102	204	153	1,836	10,404
SUTTER	51	51	51	1,326	204	1,020	51	153	102
TEHAMA	0	0	0	0	0	0	3,621	13,719	77,061
TRINITY	0	0	0	0	0	0	1,275	6,936	38,607
TULARE	0	0	0	204	51	51	1,020	6,732	36,567
TUOLOMNE	0	0	0	0	0	0	1,275	11,577	67,524
VENTURA	0	0	0	0	0	0	714	5,355	28,458
YOLO	714	204	255	102	102	102	306	1,275	8,619
YUBA	102	51	51	1,326	102	306	204	1,020	6,426
UNKNOWN	0	0	0	0	0	0	153	153	357
TOTAL	15.045	1.938	6.681	33.660	4.488	23.970	65.484	300.543	1.946.364

TABLE 9

STATEWIDE BAG, HUNTERS, AND HUNTER DAYS

COUNTY	BEAR			WILD PIG			TOTALS		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS
ALAMEDA	0	0	0	561	663	7,446	35,496	6,528	54,774
ALPINE	0	51	510	0	0	0	2,193	4,896	18,717
AMADOR	0	51	102	0	0	0	53,397	9,792	59,007
BUTTE	204	408	1,632	102	204	255	226,593	30,294	177,480
CALAVERAS	0	153	1,173	0	0	0	23,868	9,690	44,829
COLUSA	0	51	102	255	612	1,173	224,094	27,285	179,265
CONTRA COSTA	0	0	0	51	51	0	35,496	6,426	30,294
DEL NORTE	51	204	1,020	0	0	0	10,353	2,244	15,708
EL DORADO	51	204	1,224	0	0	0	27,336	17,850	105,366
FRESNO	0	357	2,040	1,938	2,091	16,167	213,180	26,316	126,531
GLENN	0	153	357	0	51	51	159,528	22,491	141,423
HUMBOLDT	0	255	1,173	663	816	4,743	33,507	8,721	51,408
IMPERIAL	0	0	0	0	0	0	360,264	32,640	109,497
INYO	0	153	408	0	51	204	98,430	22,338	131,274
KERN	0	867	5,508	102	357	1,020	579,309	65,994	340,476
KINGS	0	0	0	663	765	2,550	49,572	5,100	18,462
LAKE	0	153	1,581	306	816	4,437	26,520	9,792	62,169
LASSEN	51	153	1,377	0	51	255	85,374	30,651	156,264
LOS ANGELES	0	204	1,581	51	357	1,275	113,118	21,420	128,877
MADERA	0	102	1,632	0	0	0	35,343	6,936	28,611
MARIN	0	0	0	1,020	153	2,550	15,504	3,774	23,562
MARIPOSA	0	408	2,754	0	51	153	17,187	5,151	24,174
MENDOCINO	51	663	2,346	3,927	3,927	23,970	42,840	23,256	137,241
MERCED	0	0	0	816	867	2,193	295,851	28,968	158,151
MODOC	0	0	0	204	153	1,428	50,745	26,010	146,319
MONO	0	306	1,275	0	0	0	30,957	19,890	124,695
MONTEREY	0	0	0	16,728	13,362	89,199	169,830	38,556	209,610
NAPA	0	0	0	306	459	1,530	30,804	5,202	27,846
NEVADA	51	153	612	0	102	102	7,395	6,681	31,977
ORANGE	0	51	408	0	0	0	12,495	2,346	8,364
PLACER	0	204	1,989	0	51	306	49,368	13,872	90,678
PLUMAS	51	306	1,581	102	51	102	35,343	18,309	98,022
RIVERSIDE	0	204	2,244	0	0	0	328,338	36,159	166,158
SACRAMENTO	0	0	0	0	51	510	69,309	12,240	50,796
SAN BENITO	0	0	0	8,262	3,876	25,959	35,292	10,506	53,448
SAN BERNARDINO	153	663	4,488	0	102	153	282,030	37,689	190,383
SAN DIEGO	0	0	0	0	0	0	199,257	22,389	164,118
SAN FRANCISCO	0	0	0	51	51	51	51	51	51
SAN JOAQUIN	0	0	0	255	255	2,040	117,759	16,677	78,744
SAN LUIS OBISPO	0	102	102	5,202	6,579	27,591	154,938	30,549	157,998
SAN MATEO	0	0	0	0	0	0	6,426	1,683	10,251
SANTA BARBARA	0	153	255	3,774	2,142	27,234	124,695	18,513	139,128
SANTA CLARA	0	0	0	1,887	1,836	12,036	45,390	7,599	45,288
SANTA CRUZ	0	0	0	102	357	1,938	21,675	3,162	18,156
SHASTA	153	714	3,417	204	459	1,683	86,241	24,939	126,429
SIERRA	0	102	306	0	0	0	10,812	6,171	39,168
SISKIYOU	204	663	2,346	51	51	153	130,968	36,363	233,172
SOLANO	0	51	0	51	153	204	120,819	15,504	111,741
SONOMA	0	0	0	6,477	5,049	24,582	43,809	16,269	94,401
STANISLAUS	0	51	255	255	561	3,672	94,809	15,963	76,857
SUTTER	0	0	0	102	102	153	95,829	11,985	67,065
TEHAMA	0	510	2,346	1,071	1,428	3,774	69,411	26,112	123,012
TRINITY	102	459	1,683	51	51	102	11,985	10,047	51,510
TULARE	102	765	4,845	408	357	2,907	178,194	23,919	110,721
TUOLOMNE	0	357	1,632	0	0	0	29,835	17,442	96,696
VENTURA	0	459	2,244	0	51	204	79,968	15,606	83,640
YOLO	0	0	0	5[illegible]	153	561	113,730	18,411	92,718
YUBA	0	51	204	[illegible]	51	255	57,987	10,098	52,020
UNKNOWN	0	0	0	45[illegible]	153	0	34,425	4,182	357

TABLE 10

MAILING AND RETURN OF QUESTIONNAIRES BY COUNTY OF RESIDENCE

1986 HUNTER SURVEY

COUNTY	Questionnaires Mailed And Deliverable	Percent of Total Mailed	Number Returned	Percent Returned
ALAMEDA	469	3.7	347	70.4
ALPINE	2	.6	1	50.0
AMADOR	81	.1	57	62.6
BUTTE	426	3.4	291	63.4
CALAVARAS	55	.4	41	73.2
COLUSA	47	.4	32	64.0
CONTRA COSTA	494	3.9	351	67.9
DEL NORTE	54	.4	39	69.6
EL DORADO	176	1.4	130	67.0
FRESNO	289	2.3	175	55.6
GLENN	103	.8	85	80.2
HUMBOLDT	108	.9	70	62.5
IMPERIAL	58	.5	32	47.1
INYO	109	.9	83	74.1
KERN	583	4.6	381	58.1
KINGS	61	.5	30	46.2
LAKE	54	.4	44	69.8
LASSEN	102	.8	87	81.3
LOS ANGELES	1,485	11.8	1,010	63.0
MADERA	59	.5	32	50.0
MARIN	142	1.1	105	70.9
MARIPOSA	18	.1	11	61.1
MENDOCINO	93	.7	64	66.7
MERCED	174	1.4	121	63.4
MODOC	41	.3	35	83.3
MONO	21	.2	17	81.0
MONTEREY	179	1.4	135	71.4
NAPA	116	.9	91	75.8
NEVADA	74	.6	53	70.7
ORANGE	541	4.3	376	64.2
PLACER	206	1.6	144	65.2
PLUMAS	50	.4	38	73.1
RIVERSIDE	387	3.1	247	59.5
SACRAMENTO	654	5.2	434	59.7
SAN BENITO	40	.3	29	67.4
SAN BERNARDINO	357	2.8	246	62.9
SAN DIEGO	445	3.5	331	69.1
SAN FRANCISCO	101	.8	79	73.8
SAN JOAQUIN	356	2.8	240	62.7
SAN LUIS OBISPO	270	2.1	197	68.4
SAN MATEO	267	2.1	197	69.6
SANTA BARBARA	198	1.6	133	63.0
SANTA CLARA	519	4.1	373	67.8
SANTA CRUZ	133	1.1	104	74.8
SHASTA	229	1.8	163	67.4
SIERRA	18	.1	12	66.7
SISKIYOU	199	1.6	154	73.7
SOLANO	202	1.6	145	67.1
SONOMA	414	3.3	312	72.4
STANISLAUS	298	2.4	212	65.0
SUTTER	82	.7	53	63.1
TEHAMA	97	.8	70	66.0
TRINITY	38	.3	26	68.4
TULARE	220	1.7	144	59.3
TUOLOMNE	55	.4	41	64.1
VENTURA	243	1.9	172	66.9
YOLO	187	1.5	138	67.3
YUBA	109	.9	71	57.7
NONRESIDENT	19	.2	19	100.0