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REPORT OF THE 1985 GAME TAKE HUNTER SURVEY

Hunter game take questionnaires were mailed to 16,601 hunting licensees in January 1986. Two follow-up mailings were made to nonrespondents; the first approximately four weeks, and second approximately seven weeks after the initial mailing. Eight hundred fifty-one questionnaires were returned undelivered making a total possible response of 15,750. This was a randomly selected sample of 3.4 percent of the estimated 488,770 hunting license purchasers in 1985.

Ten thousand two hundred twenty-seven (10,227) usable questionnaires were returned, a response of 62 percent. The survey indicated that there was hunting effort by about 501,123 hunting licensees who spent about 6,905,668 days in the field.

For the past several years, follow-up mailings to nonrespondents have significantly increased response percentage. The increase in response 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 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.

<u>Hunters From License Sales</u>	<u>1984</u>	<u>1985*</u>	<u>% Change From 1984</u>
Hunting Licenses	487,804	488,770	+.2
Deer Hunters (applications)	253,725	260,262	+3
Deer Tags	317,855	314,810	- 1
Bear Tags	11,077	11,944	+ 8
Federal Duck Stamps	107,736	93,253	-14
State Duck Stamps	98,785	97,021	-2

*Estimates

HUNTING REGULATION CHANGES

General Small Game

Authorized take by crossbow except during archery season.

Sage Grouse

The sage grouse season was closed in 1985.

Bear - Open area reduced in Modoc and Lassen counties. Season increased to 107 days in portions of Inyo and Mono counties west of Highway 395, and 79 days in remainder of open areas.

Deer

B1, B2, D1 - Season increased to 37 days.
B3, D13 - Season decreased to 30 days.
D2 - Season decreased to 24 days, permits reduced to 8,000.
D6 - Season decreased to 37 days.
D7 - Season decreased to 25 days.
D11 - Season decreased to 30 days, permits reduced to 9,000.
D14 - Season split
X3 - Permits increased to 7,500.
X4 - Permits reduced to 2,400.
X5a - Permits reduced to 275.
X5b - Permits increased to 650, one buck, forked horn or better.
X6 - Permits increased to 4,400.
X7a - Permits reduced to 1,200.
X7b - Permits increased to 700.
X8 - Permits reduced to 600.
X9 - Permits reduced to 9,000
X11 - Permits increased to 11,000.
D15, D16, D17, X5c, X12 - New zones.

Special Hunts

Sherwin Grade Hunt was not held.
X52 Goodale - permits increased to 50.
S1 San Diego Archery - Season lengthened by 22 days.
S2 Los Angeles Archery - Season lengthened by 13 days, permits increased to 1,750.
S6 Camp Roberts - Season moved to September 2, 1985, permits decreased to 50.
S7 Monterey Archery - permits increased to 600.
S9 Tenaja - Season decreased to 2 days, permits reduced to 100.
S10 Camp Pendleton - Permits increased to 260.
S11 San Diego - Season reduced to 30 days.
S13 Gray Lodge - Hunt type changes to archery/shotgun, permits increased to 50.
S15 Bass Hill Archery - Permits increased to 80.
S18 Permits increased to 150.
X11 Special Depredation Hunt - Bass Hill - 500 permits issued.

New Hunts

S16 Devil's Garden

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 - 1985.

Table 3 - Reported Hunting License and Tag Sales, Hunter Harvest and Effort - 1971-1985.

Table 4 - Statewide Hunters - 1972-1985.

Table 5 - Game Bag, Ten Leading Counties - 1985 (Pheasants, Quail, Doves, Band-tailed Pigeons, Jack Rabbits, Cottontail/Brush Rabbits, Ducks and Geese).

Table 6 - Regional Game Bag, Major Species - 1985.

Table 7 - Distribution of Hunter Effort by Game Species - 1985.

Table 8 - Hunter Success Summary - 1960-1985.

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 of its bag figures is trend indication. Total respondents represent only about 3.0 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 1985 hunter survey calculations was 49.

TABLE 1

BAG AND HUNTER EFFORT BY SPECIES

UPLAND GAME

	1984	1985	% Change from 1984
<u>PHEASANTS</u>			
Statewide Bag	379,440	308,847	-18.6
Hunters Reported	146,808	115,248	-21.5
Average Seasonal Bag	2.6	2.7	+3.9
Total Days Hunted	544,140	447,321	-17.8
Average Days Hunted	3.7	3.9	+5.4
<u>QUAIL</u>			
Statewide Bag	1,004,436	1,110,585	+10.6
Hunters Reported	133,992	125,489	-6.4
Average Seasonal Bag	7.5	8.6	+14.7
Total Days Hunted	606,024	542,234	-10.1
Average Days Hunted	4.5	4.3	-4.4
<u>DOVES</u>			
Statewide Bag	2,551,572	2,640,610	+3.5
Hunters Reported	173,160	165,571	-4.4
Average Seasonal Bag	14.7	15.9	+8.2
Total Days Hunted	675,720	607,502	-10.1
Average Days Hunted	3.9	3.7	-5.1
<u>BAND-TAILED PIGEONS</u>			
Statewide Bag	125,892	77,714	-38.3
Hunters Reported	25,812	18,130	-29.8
Average Seasonal Bag	4.9	4.3	-12.2
Total Days Hunted	79,956	51,548	-35.5
Average Days Hunted	3.1	2.8	9.7
<u>CHUKAR PARTRIDGE</u>			
Statewide Bag	42,408	50,764	+19.7
Hunters Reported	19,260	15,925	-17.3
Average Seasonal Bag	2.2	3.2	+45.5
Total Days Hunted	62,244	61,299	-1.5
Average Days Hunted	3.2	3.9	+21.9
<u>SAGE GROUSE</u>			
Statewide Bag	Season	Season	
Hunters Reported	Closed	Closed	
Average Seasonal Bag			
Total Days Hunted			
Average Days Hunted			

<u>BLUE/RUFFED GROUSE</u>	<u>1984</u>	<u>1985</u>	<u>% Change From 1984</u>
Statewide Bag	7,668	9,947	+29.7
Hunters Reported	5,727	6,958	+21.5
Average Seasonal Bag	1.3	1.4	+7.7
Total Days Hunted	19,188	22,932	+19.5
Average Days Hunted	3.4	3.4	0

JACK RABBITS

Statewide Bag	527,616	365,981	-30.6
Hunters Reported	60,480	42,581	-21.6
Average Seasonal Bag	8.7	8.6	-1.2
Total Days Hunted	600,660	384,454	-36.0
Average Days Hunted	9.9	9.0	-9.1

COTTONTAIL/BRUSH RABBITS

Statewide Bag	462,024	313,257	-32.2
Hunters Reported	64,548	46,697	-27.7
Average Seasonal Bag	7.2	6.7	-7.0
Total Days Hunted	383,544	278,467	-27.4
Average Days Hunted	5.9	6.0	+1.7

TREE SQUIRRELS

Statewide Bag	116,064	188,356	+38.4
Hunters Reported	32,940	40,376	+22.6
Seasonal Bag	3.5	4.7	+34.3
Total Days Hunted	176,940	230,104	+30.1
Average Days Hunted	5.4	5.7	+5.6

WILD TURKEY

Statewide Bag	5,652	7,791	+37.9
Hunters Reported	16,092	16,023	-0.4
Average Seasonal Bag	0.4	0.5	+25.0
Total Days Hunted	53,280	52,871	-0.8
Average Days Hunted	3.3	3.3	0

WATERFOWL

<u>DUCKS</u>	<u>1984</u>	<u>1985</u>	<u>% Change From 1984</u>
Statewide Bag	1,566,324	1,693,244	+8.1
Hunters Reported	131,940	118,237	-10.4
Average Seasonal Bag	11.9	14.3	+20.2
Total Days Hunted	883,764	866,320	-2.0
Average Days Hunted	6.7	7.3	+9.0

<u>GEESE</u>	<u>1984</u>	<u>1985</u>	<u>% Change From 1984</u>
Statewide Bag	145,152	201,586	+38.9
Hunters Reported	58,104	61,446	+5.8
Average Seasonal Bag	2.5	3.3	+32.0
Total Days Hunted	352,440	438,550	+24.4
Average Days Hunted	6.1	7.1	+16.4

BIG GAME

<u>DEER (Hunter Survey)</u>	<u>1984</u>	<u>1985</u>	<u>% Change From 1984</u>
Statewide Bag	57,492	69,384	+20.7
Hunters Reported	286,884	323,596	+12.8
Total Days Hunted	1,851,768	2,113,370	+14.3
Average Days Hunted	6.5	6.5	0

DEER (Tag Returns)

Statewide Bag	32,190	31,651	-1.7
Deer Tag Sales	317,855	314,810	-1.0

The statewide deer and bear take is estimated both by tag returns and by the Hunter Survey Questionnaire. Actual kill should fall between the two estimates.

<u>BEAR (Hunter Survey)</u>	<u>1984</u>	<u>1985</u>	<u>% Change From 1984</u>
Statewide Bag	1,116	1,617	+44.9
Hunters Reported	11,880	14,406	+21.3
Total Days Hunted	60,372	86,240	+42.9
Average Days Hunted	5.1	6.0	+17.7

BEAR (Tag Returns)

Statewide Bag	770	1,138	+47.8
Bear Tag Sales	11,077	11,944	+7.8

WILD PIGS

Statewide Bag	40,392	34,741	-14.0
Hunters Reported	36,108	45,129	+25.0
Total Days Hunted	252,648	248,724	-1.5
Average Days Hunted	7.0	5.5	-21.4

TABLE 2

SUMMARY OF STATEWIDE BAG - 1985

<u>Species</u>	<u>Yearly Average 1976-1980</u>	<u>1984</u>	<u>1985</u>	<u>% Change From 1984</u>
Pheasant	532,350	379,440	308,850	-19
Quail	1,799,010	1,004,440	1,110,590	+11
Dove	3,361,600	2,551,570	2,640,610	+4
Chukar Partridge	88,070	42,410	50,760	+20
Sage Grouse	4,580	Season	Closed	
Blue/Ruffed Grouse	9,240	7,670	9,950	+30
Band-Tailed Pigeons	140,750	125,890	77,710	-39
Wild Turkeys	2,600	5,650	7,790	+38
Jack Rabbits	807,330	527,620	365,980	-31
Cottontail/Brush Rabbits	544,110	462,020	313,260	-33
Tree Squirrels	240,190	116,060	188,360	+63
Ducks	2,955,290	1,566,320	1,693,240	+9
Geese	185,330	145,150	201,590	+39
Jacksnipe	68,600	43,850	24,300	-45
Coots	309,060	145,760	93,490	-36
Deer (Hunter Survey)	73,170	57,490	69,380	+21
Deer (Tag Returns)	33,230	32,190	31,650	-2
Bear (Hunter Survey)	2,090	1,120	1,620	+45
Bear (Tag Returns)	600	770	1,140	+48
Wild Pigs	28,460	40,390	34,740	-14

TABLE 3
REPORTED HUNTING LICENSE AND TAG SALES, NUMBER HUNTERS AND EFFORTS - 1971-1985

	1971	1972	1973	1974	1975*	1976	1977	1978*	1979	1980	1981	1982	1983	1984	1985
INDIVIDUAL TAG SALES															
Hunting License	716,000	628,800	668,500	661,000	617,000	580,000	572,000	524,000	572,443	553,124	540,000	532,000	533,728	487,804	468,770
Deer Hunters	380,000	353,300	387,400	352,426	322,413	324,000	364,000	287,900	283,897	294,400	303,251	304,768	270,906	253,355	260,810
Deer Tags	26,000	184,100	30,528	30,273	27,322	29,395	26,150	16,745	21,847	27,347	31,488	23,859	33,378	11,077	11,944
Sheep Tags	207,000	194,300	213,683	213,683	193,289	193,289	193,289	193,289	193,289	193,289	193,289	193,289	193,289	193,289	193,289
Jack Stamps (Federal)	173,474	152,416	144,582	149,548	157,204	141,049	151,305	137,234	132,764	114,825	108,367	109,258	109,654	107,738	93,253
Jack Stamps (State)	NOT ISSUED	143,400	151,556	169,395	157,204	141,049	151,305	137,234	114,028	111,786	102,853	102,144	106,406	98,785	97,021
STATE-WIDE TAG															
Deer (Buck Tag Returns)	38,907	37,487	30,402	23,124	26,314	29,784	36,087	30,889	36,415	32,377	42,231	37,520	26,986	32,190	31,651
Deer (Hunter Survey)	93,300	86,200	81,200	76,200	62,800	74,700	90,700	69,300	70,100	61,060	81,030	57,800	51,800	57,685	69,384
Bear (Tag Return)	559	626	767	632	553	486	451	555	791	2,970	1,460	1,180	979	1,116	1,617
Bear (Hunter Survey)	1,600	3,400	3,400	1,800	1,750	1,800	1,400	2,500	21,200	29,710	36,740	26,300	35,600	40,392	34,741
Wild Pig	5,100	13,900	23,300	20,100	13,900	13,900	13,900	13,900	13,900	13,900	13,900	13,900	13,900	13,900	13,900
Wild Pig (Hunter Survey)	1,500	4,900	6,200	5,200	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
Wild Pig (Tag Return)	1,805,700	1,374,800	1,274,300	1,288,400	1,553,900	1,553,200	1,607,900	1,781,100	2,021,900	2,030,760	1,151,490	1,172,950	1,410,220	1,004,436	1,110,565
Wild Pig (Tag Return)	4,248,700	3,850,500	4,350,200	4,531,000	4,131,600	3,306,100	3,343,500	3,376,600	3,369,400	3,262,410	3,334,970	3,272,950	2,738,660	2,531,572	2,468,744
Wild Pig (Tag Return)	57,400	25,500	102,900	70,700	44,400	44,400	51,300	96,800	136,300	111,540	43,990	32,750	64,320	4,868	9,947
Blue and Ruffed Grouse	4,700	5,400	12,600	10,000	9,400	8,600	9,100	9,200	9,300	10,200	10,200	10,200	10,200	10,200	10,200
Blue and Ruffed Grouse (Tag Return)	9,900	7,400	4,400	3,700	3,700	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600
Blue and Ruffed Grouse (Hunter Survey)	285,800	336,800	271,600	209,900	321,400	310,000	310,000	310,000	310,000	310,000	310,000	310,000	310,000	310,000	310,000
Jack Rabbit	1,576,000	1,443,100	1,009,100	823,400	823,400	710,000	710,000	757,100	936,300	901,750	725,680	568,560	569,850	527,616	365,981
Jack Rabbit (Tag Return)	1,576,000	1,443,100	1,009,100	823,400	823,400	710,000	710,000	757,100	936,300	901,750	725,680	568,560	569,850	527,616	365,981
Jack Rabbit (Hunter Survey)	217,600	219,100	225,400	188,200	195,400	234,200	246,300	241,600	191,300	167,360	246,630	165,340	141,400	116,064	188,326
Tree Shrew	3,401,000	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	1,866,314	1,601,586
Ducks	371,900	296,700	330,500	346,500	270,000	297,000	218,500	189,600	115,700	108,830	137,750	100,210	160,640	165,764	201,586
Geese	420,000	446,300	445,300	545,800	590,100	417,000	280,300	274,600	322,000	231,400	214,200	29,300	22,500	43,848	24,304
Geese (Tag Return)	92,000	75,600	71,600	92,500	121,400	86,300	72,100	71,000	61,000	47,000	41,500	29,300	22,500	43,848	24,304
Jackknife	1,100	1,900	1,900	1,900	1,900	2,200	2,300	2,800	1,600	4,085	4,550	4,830	4,050	5,652	7,781
Mountain Lion	1,100	1,900	1,900	1,900	1,900	2,200	2,300	2,800	1,600	4,085	4,550	4,830	4,050	5,652	7,781
(Tag Returns)															
NUMBER HUNTER DAYS	8,689,200	7,994,500	9,299,000	9,428,600	8,251,700	8,097,100	8,357,900	8,241,800	7,380,900	7,256,680	8,145,920	7,610,600	7,833,340	7,090,560	6,505,665

*1975 - This was the first year that follow-up questionnaires were sent. This resulted in smaller, but more accurate estimates of kill from this year forward.
 *1976 - This was the first year that the deer tag option was established.

TABLE 6

STATE-MIDW HUNTERS

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
Deer (Applications Sold)	353,300	387,400	352,426	322,413	324,000	349,000	282,900	283,897	284,400	299,217	306,770	278,906	253,725	260,262
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
Bear (Applications Sold)	24,300	30,328	30,273	27,322	29,395	26,150	16,745	21,867	27,347	31,486	25,859	14,378	11,077	11,944
Bear (Hunter Survey)	20,200	32,500	31,000	23,700	25,500	26,900	19,600	19,500	20,810	22,530	19,880	13,850	11,880	14,406
Wild Pigs	197,200	29,300	32,200	30,500	28,600	32,100	37,800	23,900	27,900	32,780	31,610	39,380	36,108	45,129
Pheasants	156,400	212,900	228,900	205,400	183,700	172,000	155,500	144,900	146,760	132,200	123,240	137,220	146,808	115,248
Quail	226,300	173,700	189,400	173,300	152,800	151,200	141,400	147,100	150,580	151,330	125,250	145,310	133,992	125,489
Doves	15,900	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
Chukar Partridge	4,800	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
Blue and Ruffed Grouse	7,600	8,400	8,500	6,300	5,900	5,966	5,600	6,600	7,050	6,330	5,850	5,200	5,774	6,938
Sage Grouse	50,900	5,500	6,000	4,600	5,000	3,900	4,400	5,000	5,670	4,370	4,370	Closed Season		
Band-Tailed Pigeon	105,500	39,400	38,600	26,800	18,300	24,500	22,000	25,400	24,510	29,970	22,760	25,350	25,812	18,130
Jack Rabbits	76,700	89,200	104,200	100,800	84,900	83,400	76,300	80,400	79,380	73,300	61,670	64,630	60,480	42,581
Cottontail/Brush Rabbit	56,800	59,000	55,600	49,700	74,600	73,700	64,300	78,000	79,980	72,780	58,670	67,850	64,568	46,697
Tree Squirrels	176,200	196,100	204,700	174,300	158,600	146,300	131,200	124,200	114,590	119,990	103,830	38,360	32,940	40,376
Ducks	79,300	93,600	87,200	67,900	68,500	60,900	56,900	48,100	48,890	49,000	48,100	54,510	131,940	118,237
Geese	29,800	36,100	38,300	33,800	25,000	19,100	19,800	18,700	17,540	14,210	11,660	12,880	58,104	61,446
Coots	10,200	11,300	14,700	13,900	11,100	8,700	10,100	9,600	7,570	5,250	4,900	4,000	12,636	7,497
Jacksnipe	5,500	7,300	9,900	9,300	10,500	9,800	7,100	6,000	10,240	12,730	13,790	4,000	5,076	3,724
Wild Turkey													16,092	16,023

TABLE 5
 MAJOR SPECIES GAME BAG - 1985
 (TEN LEADING COUNTIES)

<u>PHEASANTS</u>			<u>JACK RABBITS</u>		
	% OF STATE TOTAL	POSITION 1984		% OF STATE TOTAL	POSITION 1984
1. Colusa	11.4	3	1. Kern	23.0	1
2. Yolo	9.8	1	2. San Bernardino	15.8	2
3. Sutter	7.8	5	3. Lassen	6.7	3
4. Butte	7.7	2	4. Riverside	4.0	4
5. Glenn	7.1	10	5. Fresno	3.5	6
6. Solano	6.3	6	6. Inyo	3.5	22
7. Sacramento	6.0	7	7. Madera	2.8	23
8. San Joaquin	5.3	4	8. Imperial	2.6	16
9. Merced	4.5	9	9. Ventura	2.3	22
10. Stanislaus	3.8	8	10. San Diego	2.2	11
All Others	30.3		All Others	33.6	

<u>QUAIL</u>			<u>RABBITS (COTTONTAIL/BRUSH)</u>		
	% OF STATE TOTAL	POSITION 1984		% OF STATE TOTAL	POSITION 1984
1. Kern	10.1	1	1. San Bernardino	18.5	2
2. Riverside	7.5	2	2. Kern	14.7	1
3. San Bernardino	6.0	3	3. Riverside	11.7	3
4. Santa Barbara	4.9	8	4. San Diego	6.0	5
5. San Luis Obispo	4.5	6	5. Fresno	4.4	11
6. Monterey	4.0	7	6. Los Angeles	4.3	7
7. Imperial	3.5	10	7. Santa Barbara	3.9	6
8. San Diego	3.5	4	8. Inyo	3.4	14
9. Los Angeles	3.3	5	9. Imperial	2.9	9
10. Trinity	3.0	19	10. Tulare	2.5	13
All Others	49.7		All Others	27.7	

<u>DOVES</u>			<u>DUCKS</u>		
	% OF STATE TOTAL	POSITION 1984		% OF STATE TOTAL	POSITION 1984
1. Imperial	14.8	1	1. Merced	14.4	1
2. Kern	12.2	2	2. Colusa	13.3	2
3. Riverside	9.2	4	3. Butte	7.8	4
4. Fresno	6.7	3	4. Solano	5.7	3
5. Tulare	6.3	5	5. Glenn	5.3	6
6. Merced	3.7	6	6. Sutter	4.1	5
7. San Bernardino	3.5	7	7. Yolo	3.2	11
8. Madera	2.7	13	8. Fresno	2.8	7
9. San Joaquin	2.4	8	9. Kern	2.7	16
10. Tehama	2.2	12	10. Contra Costa	2.7	14
All Others	36.3		All Others	38.0	

<u>BAND-TAILED PIGEONS</u>			<u>GEESE</u>		
	% OF STATE TOTAL	POSITION 1984		% OF STATE TOTAL	POSITION 1984
1. Monterey	19.1	1	1. Colusa	19.8	1
2. Shasta	10.8	3	2. Glenn	13.1	2
3. Del Norte	6.6	18	3. Merced	9.5	8
4. Siskiyou	6.0	4	4. Butte	6.0	6
5. Santa Cruz	6.0	10	5. Siskiyou	4.9	7
6. San Diego	6.0	8	6. Lassen	4.7	4
7. Madera	4.0	16	7. Modoc	4.5	5
8. Tuolumne	3.9	14	8. Sutter	3.8	10
9. Butte	3.4	15	9. Imperial	3.7	3
10. Sonoma	3.0	19	10. Shasta	3.4	9
All Others	31.2		All Others	26.6	

TABLE 6
 DISTRIBUTION OF MAJOR GAME SPECIES BY ADMINISTRATIVE REGION*
 1985

(Percentage of State Bag)

	<u>Pheasants</u>		<u>Quail</u>		<u>Doves</u>		<u>Jack Rabbits</u>		<u>Cottontail</u>		<u>Ducks</u>	
	<u>1984</u>	<u>1985</u>	<u>1984</u>	<u>1985</u>	<u>1984</u>	<u>1985</u>	<u>1984</u>	<u>1985</u>	<u>1984</u>	<u>1985</u>	<u>1984</u>	<u>1985</u>
Region 1	5	6	15	18	6	4	14	12	3	3	10	8
Region 2	65	66	10	6	19	14	14	6	4	4	46	49
Region 3	4	4	18	18	9	10	10	6	8	7	9	6
Region 4	20	17	20	24	35	36	32	35	28	28	23	23
Region 5	5	4	35	32	29	33	27	35	55	53	10	10
Unknown	<u>1</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>3</u>	<u>3</u>	<u>6</u>	<u>2</u>	<u>5</u>	<u>1</u>	<u>4</u>
	100	100	100	100	100	100	100	100	100	100	100	100

*See annual deer report for deer statistics.

TABLE 7
DISTRIBUTION OF HUNTER EFFORT BY GAME SPECIES - 1985

Species	Number of Individual Hunters			Percent of Total Individual Hunters		
	Successful	Unsuccessful	Total	Successful	Unsuccessful	Total
Deer	64,630	258,970	323,600	13	52	65
Bear	1,620	12,790	14,410	0.3	3	3
Wild Pig	16,910	28,220	45,130	3	6	9
Coyote	14,650	11,560	26,210	3	2	5
Bobcat	1,130	1,810	2,940	0.2	0.4	0.6
Crow	7,400	1,370	8,770	2	0.3	2
Pheasant	78,200	37,040	115,240	16	7	23
Chukar Partridge	8,770	7,150	15,920	2	1	3
Quail	96,920	28,570	125,490	19	6	25
Doves	149,300	16,270	165,570	30	3	33
Band-tailed Pigeons	11,420	6,710	18,130	2	1	3
Blue/Ruffed Grouse	4,750	2,210	6,960	1	0.5	2
Jack Rabbits	36,360	6,220	42,580	7	1	8
Tree Squirrels	32,980	7,400	40,380	7	2	9
Cottontail/Brush Rabbits	39,400	7,300	46,700	8	2	10
Wild Turkeys	5,340	10,680	16,020	1	2	3
Ducks	101,330	16,910	118,240	20	3	23
Geese	41,800	19,650	61,450	8	4	12
Jack Snipe	3,140	590	3,730	0.6	0.1	1
Coots	7,200	290	7,490	1	0.1	1

Total Individual Hunters - 501,123

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

TABLE 8
HUNTER SUCCESS 1960-1985
As Reported by Hunter Survey Respondents
(In Percent)

	<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

TABLE 9

STATE-WIDE BAG, HUNTERS, AND HUNTER DAYS - UPLAND GAME

COUNTY	GROW				PHEASANT				QUAIL				CHICKEN PARTRIDGE			
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	
ALABAMA	0	0	0	1,078	637	1,715	6,419	637	2,842	0	0	0	0	0	0	
ALASKA	0	0	0	147	147	588	6,664	833	3,234	0	0	0	0	0	0	
ARIZONA	0	0	0	23,667	7,350	29,057	12,789	2,295	8,134	0	0	0	0	0	0	
CALIFORNIA	784	196	294	49	49	49	11,564	1,421	4,557	0	0	0	0	0	0	
CONNECTICUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
COLORADO	392	196	147	35,182	7,742	34,668	5,243	637	1,764	0	0	0	0	0	0	
DELAWARE	2,323	245	245	7,350	2,058	7,448	3,234	539	2,508	0	0	0	0	0	0	
FLORIDA	2,303	147	1,470	49	49	49	7,948	441	4,802	0	0	0	0	0	0	
GEORGIA	0	0	0	343	49	245	12,544	1,421	6,664	0	0	0	0	0	0	
IDAHO	5,782	686	3,626	7,301	5,341	19,208	27,930	4,312	14,945	499	539	1,078	0	0	0	
ILLINOIS	1,421	294	490	21,707	5,978	24,451	9,408	1,225	5,007	0	0	0	0	0	0	
INDIANA	0	49	98	198	49	147	13,818	1,519	6,506	0	0	0	0	0	0	
IOWA	98	49	98	3,203	2,793	10,829	38,269	4,900	18,571	0	0	0	0	0	0	
KANSAS	0	588	2,254	0	98	343	16,219	2,156	11,564	147	147	196	0	0	0	
KENTUCKY	0	49	49	2,843	1,764	5,929	4,165	4,690	4,775	4,655	4,655	15,484	0	0	0	
LOUISIANA	0	49	49	1,764	98	147	13,132	1,911	9,016	0	0	0	0	0	0	
MAINE	0	245	735	294	147	196	18,081	1,862	9,359	0	0	0	0	0	0	
MARYLAND	1,617	147	490	3,381	1,715	5,782	36,603	5,439	23,530	637	294	1,813	0	0	0	
MASSACHUSETTS	0	0	0	294	147	931	4,263	343	1,470	0	0	0	0	0	0	
MICHIGAN	0	0	0	0	0	0	10,927	882	4,361	0	0	0	0	0	0	
MINNESOTA	637	98	98	245	49	147	24,500	2,793	10,535	147	49	49	0	0	0	
MISSISSIPPI	4,508	539	5,047	13,631	7,301	28,324	5,929	1,127	3,132	294	147	196	0	0	0	
MISSOURI	0	0	0	2,843	1,372	4,018	22,785	1,372	6,125	196	196	519	0	0	0	
MONTANA	0	49	245	0	0	0	6,713	588	4,802	2,499	784	2,450	0	0	0	
NEBRASKA	882	98	98	437	245	686	44,051	4,067	24,059	0	0	0	0	0	0	
NEVADA	0	0	0	294	294	686	5,263	490	1,617	0	0	0	0	0	0	
NEW HAMPSHIRE	0	0	0	196	49	98	6,909	637	4,655	0	0	0	0	0	0	
NEW JERSEY	6,223	98	1,029	1,668	98	1,617	4,116	1,911	9,065	0	0	0	0	0	0	
NEW YORK	0	0	0	8,772	2,107	10,290	11,858	1,911	9,065	0	0	0	0	0	0	
NORTH CAROLINA	0	0	0	0	49	0	11,025	1,715	5,586	0	0	0	0	0	0	
NORTH DAKOTA	7,742	392	3,234	3,969	980	3,381	82,614	8,085	35,525	637	392	588	0	0	0	
OHIO	147	98	49	15,327	6,321	24,206	7,350	980	1,274	0	0	0	0	0	0	
OKLAHOMA	245	98	98	343	196	588	13,867	1,421	15,092	196	196	4,606	0	0	0	
OREGON	1,568	343	1,372	1,421	294	686	65,660	47,581	17,787	14,259	4,655	17,287	0	0	0	
PENNSYLVANIA	392	196	196	245	196	735	38,073	4,606	17,787	147	49	245	0	0	0	
RHODE ISLAND	2,499	588	1,568	19,288	5,085	26,460	4,263	1,323	3,283	490	98	147	0	0	0	
SOUTH CAROLINA	5,929	0	0	294	98	392	49,980	1,421	14,700	0	0	0	0	0	0	
TENNESSEE	1,960	98	392	882	49	0	53,557	3,430	17,052	0	0	0	0	0	0	
TEXAS	147	98	245	0	0	0	11,907	1,323	4,557	1,470	49	980	0	0	0	
UTAH	0	0	0	490	0	0	3,822	294	1,421	0	0	0	0	0	0	
VERMONT	598	49	343	490	392	3,087	30,233	3,087	16,758	0	0	0	0	0	0	
VIRGINIA	0	0	0	0	0	0	245	490	490	0	0	0	0	0	0	
WASHINGTON	196	49	98	8,427	2,940	9,408	26,803	3,528	12,642	0	0	0	0	0	0	
WEST VIRGINIA	0	0	0	19,175	5,831	22,295	5,733	392	2,107	0	0	0	0	0	0	
WISCONSIN	539	0	0	1,813	588	2,793	14,602	1,274	5,488	0	0	0	0	0	0	
WYOMING	4,361	686	3,577	11,882	5,688	22,932	7,056	1,176	3,283	1,862	98	539	0	0	0	
TOTAL	72,520	8,771	54,084	308,837	119,248	447,321	1,110,585	125,489	542,274	50,764	15,925	61,299	0	0	0	

STATE-WIDE BAG, HUNTERS, HUNTER DAYS - UPLAND GAME

COUNTY	DOVES			PHEASANT			BLUE/WOODEN GROUSE			TURKEY		
	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS
ALAMEDA	9,163	882	4,703	49	49	49	0	0	0	0	49	49
ALPINE	98	98	1,67	0	0	0	1,47	0	0	0	49	98
ARABOOK	101,192	931	2,156	686	0	3,63	0	0	0	49	49	98
BUTTE	53,998	3,822	12,887	2,597	3,33	1,478	0	0	0	2,5	784	1,960
CALAVARAS	11,613	833	3,526	1,519	1,078	4,9	4,9	4,9	4,9	4,9	588	2,107
COLUSA	40,719	2,940	9,457	98	4,9	0	0	0	0	0	4,9	98
CONTRA COSTA	18,865	2,303	6,125	4,9	1,47	0	0	0	0	0	4,9	98
DEL NORTE	1,47	4,9	3,43	5,096	1,47	1,47	0	0	0	0	4,9	4,9
EL DORADO	5,341	10,045	2,058	980	2,4	3,343	2,94	0	2,441	0	0	0
FRESNO	176,988	10,490	39,690	1,47	98	5,88	1,96	1,96	4,41	2,45	637	1,764
GLENN	50,029	3,136	11,858	4,90	1,47	9,8	4,9	4,9	4,9	4,9	2,45	3,43
HUMBOLDT	0	0	0	0	1,96	3,92	637	637	2,597	0	4,9	4,9
IMPERIAL	390,579	18,885	57,330	3,92	1,47	0	0	0	0	0	0	0
INYO	22,983	1,470	5,390	0	4,9	4,9	4,9	4,9	4,9	4,9	0	0
KERN	320,460	16,317	62,769	1,568	7,06	1,372	0	0	0	0	1,96	1,96
KINGS	48,167	2,793	10,241	0	0	0	0	0	0	0	0	0
LAKE	10,731	833	2,303	0	4,9	0	0	0	0	0	4,9	2,45
LASSSEN	10,780	1,372	4,116	0	0	0	1,96	1,96	1,176	0	4,9	6,86
LOS ANGELES	33,471	3,920	10,829	3,92	7,84	0	0	0	0	0	0	0
MADERA	71,393	3,479	13,132	3,087	9,8	6,37	0	0	0	0	1,47	1,47
MARIN	1,617	98	3,43	4,41	4,9	9,8	0	0	0	0	0	0
MARIPOSA	5,145	3,43	6,37	0	4,9	4,9	0	0	0	0	0	0
MENDOCINO	3,185	539	2,303	1,470	1,92	1,127	7,84	637	1,764	6,86	1,127	2,548
MERCED	95,942	5,880	26,999	1,617	1,4	8,33	0	0	0	4,41	1,96	7,84
MODOC	8,183	637	2,597	0	0	0	5,88	3,92	1,225	4,9	4,9	9,8
MONTE	4,655	2,94	1,470	0	0	0	1,49	0	5,9	0	0	0
MONTE	29,155	2,695	7,987	14,847	4,9	8,183	0	0	0	4,9	9,8	2,47
MUTTER	8,232	2,940	2,546	0	4,9	9,8	0	0	0	0	2,94	8,33
NAPA	1,176	2,94	4,41	4,90	4,9	4,41	1,47	0	2,45	9,8	2,94	8,33
NEVADA	7,479	5,08	1,519	0	4,9	1,47	9,8	1,47	2,45	6,37	1,029	4,165
ORANGE	28,665	1,882	7,007	1,519	2,94	2,303	1,47	2,45	2,44	1,47	7,37	1,323
PLACER	2,107	1,96	1,176	4,41	1,47	8,33	4,90	2,744	0	0	0	0
PLUMAS	242,011	13,377	47,187	3,92	2,45	5,88	0	0	0	0	0	0
PLUMAS	46,501	2,940	12,642	3,43	4,9	1,46	0	0	0	0	0	0
SACRAMENTO	8,869	9,31	6,223	0	4,9	4,9	0	0	0	2,94	2,45	3,92
SAN BERNARDINO	90,356	6,615	23,128	6,86	3,92	6,86	0	0	0	0	4,9	4,9
SAN DIEGO	38,906	2,695	9,016	4,655	1,078	2,254	0	0	0	0	0	0
SAN JOAQUIN	62,671	6,076	18,326	1,47	1,47	3,92	0	0	0	0	4,9	4,9
SAN JUAN	38,857	2,793	7,203	1,715	7,84	1,764	0	0	0	2,94	6,86	1,421
SAN MATEO	1,96	9,8	2,45	0	0	0	0	0	0	0	0	0
SANTA BARBARA	23,014	1,813	6,468	4,9	1,86	1,86	0	0	0	0	4,9	1,47
SANTA CLARA	15,141	1,421	5,194	5,39	2,45	2,744	0	0	0	1,47	5,39	1,176
SANTA CRUZ	5,788	5,39	2,499	4,606	4,98	2,744	0	0	0	0	0	0
SHASTA	12,397	1,225	8,065	8,330	1,172	5,537	1,47	1,47	1,96	1,127	3,038	11,074
SIERRA	4,9	4,9	4,9	0	0	0	2,45	2,45	7,84	0	0	0
SISKIYOU	13,083	1,421	4,263	4,655	9,13	2,205	0	0	3,626	0	9,8	8,33
SOLIDO	22,736	1,421	7,007	0	0	0	0	0	0	5,88	1,47	2,45
STANISLAUS	15,337	1,078	5,684	2,303	6,17	1,225	0	0	0	4,9	4,9	5,88
STANISLAUS	54,194	3,920	18,767	3,43	1,96	1,96	0	0	0	4,9	4,9	4,9
SUTTER	41,405	3,087	8,967	3,43	5,9	1,47	0	0	0	0	9,8	1,47
TEHAMA	56,497	3,626	13,905	7,35	1,96	7,35	4,9	4,9	9,8	8,33	7,840	2,45
TRINITY	1,225	1,47	3,43	2,156	6,86	1,372	1,372	8,33	3,479	0	1,813	1,47
TULARE	164,150	8,869	37,632	3,038	5,88	5,88	1,47	1,47	4,40	4,9	2,45	1,029
TULARE	10,535	7,84	2,499	3,038	5,88	2,88	9,8	9,8	1,47	0	9,8	9,8
VENTURA	33,712	1,986	7,497	0	4,9	3,92	0	0	0	0	0	0
YUBA	56,252	4,018	17,199	8,33	1,47	3,92	0	0	0	0	4,9	4,9
YUBA	18,914	1,421	6,468	9,8	1,47	1,47	0	0	0	4,90	8,33	5,292
YUBA	86,338	4,263	16,023	2,548	7,35	1,764	1,96	2,94	4,00	5,39	7,35	2,552
TOTAL	2,660,610	165,571	607,502	77,714	18,130	51,546	9,947	6,958	22,932	7,791	16,023	52,871

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CHAPTER III

A-1-14

STATE-WIDE BAG, HUNTERS, AND HUNTER DAYS - BIG GAME/TOTALS-ALL SPECIES

COUNTY	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	BAG	HUNTERS	DAYS	TOTALS		
																BAG	HUNTERS	DAYS
ALABAMA	441	1,225	7,595	0	0	0	196	343	3,675	31,213	5,635	50,519	5	23	128	5,635	50,519	128
ALABAMA	294	4,463	19,049	0	0	0	0	0	0	2,548	5,390	23,128	0	29	567	2,548	5,390	567
ALABAMA	441	3,185	18,914	0	0	0	0	0	0	2,976	6,272	29,567	0	19	757	2,976	6,272	757
ALABAMA	833	5,929	34,790	0	0	0	49	196	539	2,915,524	36,358	190,757	0	0	0	36,358	190,757	0
ALABAMA	1,078	5,980	35,525	0	0	0	0	0	0	3,511,333	41,956	61,985	0	0	0	3,511,333	41,956	61,985
ALABAMA	037	1,617	11,564	0	0	0	343	666	4,361	3,572,967	36,697	263,224	0	0	0	3,572,967	36,697	263,224
ALABAMA	98	588	2,352	0	0	0	0	0	0	81,879	9,261	49,392	0	0	0	81,879	9,261	49,392
ALABAMA	294	1,519	12,691	49	49	2,744	0	0	0	43,169	5,145	53,802	0	0	0	43,169	5,145	53,802
ALABAMA	882	9,996	68,542	49	49	2,744	0	0	0	20,126	16,317	115,395	0	0	0	20,126	16,317	115,395
ALABAMA	882	6,927	38,935	49	49	3,087	0	0	0	305,858	42,287	182,819	0	0	0	305,858	42,287	182,819
ALABAMA	931	3,087	21,413	49	49	3,087	98	2,548	1,372	213,983	26,264	152,341	0	0	0	213,983	26,264	152,341
ALABAMA	2,254	6,517	50,960	147	0	1,960	588	539	2,254	37,485	42,336	90,944	0	0	0	37,485	42,336	90,944
ALABAMA	98	882	4,998	0	0	0	0	0	0	505,631	42,336	156,555	0	0	0	505,631	42,336	156,555
ALABAMA	1,176	6,370	36,603	0	0	1,421	0	0	0	73,794	17,346	131,859	0	0	0	73,794	17,346	131,859
ALABAMA	1,666	9,198	59,945	49	49	2,695	147	490	1,323	673,652	70,805	328,790	0	0	0	673,652	70,805	328,790
ALABAMA	98	392	3,773	0	0	0	147	637	1,421	68,453	8,428	38,661	0	0	0	68,453	8,428	38,661
ALABAMA	1,078	5,880	44,149	0	0	833	147	588	2,597	41,503	12,691	82,222	0	0	0	41,503	12,691	82,222
ALABAMA	3,724	87,857	87,857	98	98	441	98	147	490	103,194	29,572	172,725	0	0	0	103,194	29,572	172,725
ALABAMA	784	8,183	42,140	0	0	1,323	343	343	1,029	104,909	24,892	125,244	0	0	0	104,909	24,892	125,244
ALABAMA	49	2,401	9,102	0	0	1,029	0	0	0	127,155	12,593	81,438	0	0	0	127,155	12,593	81,438
ALABAMA	931	1,568	15,435	0	0	0	98	245	294	15,680	4,018	27,097	0	0	0	15,680	4,018	27,097
ALABAMA	294	3,312	18,427	0	0	0	0	147	1,568	24,794	6,860	53,263	0	0	0	24,794	6,860	53,263
ALABAMA	294	1,029	105,987	147	0	4,508	724	4,165	31,654	52,969	26,950	191,002	0	0	0	52,969	26,950	191,002
ALABAMA	3,871	16,905	110,740	0	0	147	343	637	1,764	83,848	30,937	189,826	0	0	0	83,848	30,937	189,826
ALABAMA	2,548	12,642	63,112	0	0	1,176	0	0	0	30,968	17,640	41,503	0	0	0	30,968	17,640	41,503
ALABAMA	2,695	8,036	42,385	0	0	0	49	147	48,853	118,874	31,507	149,303	0	0	0	118,874	31,507	149,303
ALABAMA	980	2,842	23,961	0	0	0	49	147	784	27,538	7,154	43,904	0	0	0	27,538	7,154	43,904
ALABAMA	735	4,900	28,175	0	0	294	0	0	294	14,259	8,379	43,757	0	0	0	14,259	8,379	43,757
ALABAMA	245	490	2,695	0	0	0	0	0	0	27,440	2,450	41,503	0	0	0	27,440	2,450	41,503
ALABAMA	588	6,076	49,000	0	0	2,793	49	245	882	72,618	17,787	111,769	0	0	0	72,618	17,787	111,769
ALABAMA	2,401	12,642	67,767	196	0	3,528	0	0	0	54,047	19,453	117,012	0	0	0	54,047	19,453	117,012
ALABAMA	294	2,793	15,680	0	0	0	0	49	98	434,924	38,661	191,933	0	0	0	434,924	38,661	191,933
ALABAMA	98	294	1,274	0	0	0	0	0	0	118,531	16,807	77,429	0	0	0	118,531	16,807	77,429
ALABAMA	1,176	2,695	18,865	0	0	0	0	0	0	45,619	12,936	130,781	0	0	0	45,619	12,936	130,781
ALABAMA	784	5,831	39,347	0	0	0	0	147	48,118	310,219	44,884	223,489	0	0	0	310,219	44,884	223,489
ALABAMA	147	4,704	36,701	0	0	0	0	0	196	129,850	22,188	130,291	0	0	0	129,850	22,188	130,291
ALABAMA	2,548	7,742	63,553	0	0	0	196	98	882	122,402	20,736	102,312	0	0	0	122,402	20,736	102,312
ALABAMA	343	588	6,027	0	0	0	0	0	0	6,909	1,764	10,143	0	0	0	6,909	1,764	10,143
ALABAMA	1,372	6,713	45,472	98	0	2,156	0	0	2,401	12,642	115,493	17,983	0	0	0	12,642	115,493	17,983
ALABAMA	1,274	2,401	18,081	0	0	0	784	1,666	11,515	49,392	10,437	53,655	0	0	0	49,392	10,437	53,655
ALABAMA	49	735	64,876	0	0	0	196	343	1,078	17,003	2,891	18,620	0	0	0	17,003	2,891	18,620
ALABAMA	2,401	9,998	25,137	98	0	2,352	0	588	2,205	112,504	27,097	164,738	0	0	0	112,504	27,097	164,738
ALABAMA	784	4,067	25,137	49	0	784	0	0	0	4,851	5,733	30,772	0	0	0	4,851	5,733	30,772
ALABAMA	5,047	19,306	150,136	196	0	1,519	0	49	0	137,367	44,100	271,411	0	0	0	137,367	44,100	271,411
ALABAMA	245	6,037	4,704	0	0	0	343	196	1,764	152,733	17,885	111,083	0	0	0	152,733	17,885	111,083
ALABAMA	1,666	3,773	32,336	0	0	0	3,136	3,377	19,453	52,185	13,524	77,812	0	0	0	19,453	52,185	77,812
ALABAMA	49	392	1,960	0	0	196	343	833	3,479	117,404	20,030	108,090	0	0	0	117,404	20,030	108,090
ALABAMA	3,675	14,994	84,280	98	0	4,459	0	196	6,125	121,569	34,153	174,538	0	0	0	121,569	34,153	174,538
ALABAMA	2,891	11,123	93,443	147	0	6,027	147	1,960	1,666	58,849	19,949	143,766	0	0	0	58,849	19,949	143,766
ALABAMA	931	8,722	53,557	0	0	5,782	539	588	3,381	233,240	37,191	179,438	0	0	0	233,240	37,191	179,438
ALABAMA	1,127	12,397	82,712	0	0	4,459	49	49	49	45,080	14,050	140,630	0	0	0	45,080	14,050	140,630
ALABAMA	980	4,361	31,560	0	0	3,773	49	147	490	112,404	20,531	93,002	0	0	0	112,404	20,531	93,002
ALABAMA	637	1,617	13,720	0	0	0	0	49	98	165,669	23,275	138,817	0	0	0	165,669	23,275	138,817
ALABAMA	147	2,058	10,094	0	0	539	98	147	1,127	77,959	12,838	79,331	0	0	0	77,959	12,838	79,331
ALABAMA	735	10,437	57,967	0	0	2,842	441	833	3,381	250,047	36,358	200,165	0	0	0	250,047	36,358	200,165
TOTAL	235	323,596	2,113,370	1,617	14,606	86,240	34,741	45,129	248,724	7,320,845	1,204,959	6,905,668						

TABLE 10
MAILING AND RETURN OF QUESTIONNAIRES BY COUNTY OF RESIDENCE
1985 HUNTER SURVEY

County	Questionnaires Mailed And Deliverable	Percent of Total Mailed	Number Returned	Percent Returned
ALAMEDA	556	3.5	344	59.0
ALPINE	58	0.4	34	53.1
AMADOR	82	0.5	55	65.5
BUTTE	429	2.7	283	60.7
CALAVERAS	102	0.7	75	70.8
COLUSA	77	0.5	51	63.8
CONTRA COSTA	603	3.8	399	53.3
DEL NORTE	59	0.4	48	77.4
EL DORADO	107	0.7	72	59.0
FRESNO	464	3.0	314	64.5
GLENN	137	0.9	90	65.2
HUMBOLDT	230	1.5	160	66.9
IMPERIAL	111	0.7	65	56.0
INYO	81	0.5	67	79.8
KERN	674	4.3	397	55.4
KINGS	96	0.6	64	62.1
LAKE	76	0.5	50	61.7
LASSEN	108	0.7	84	72.4
LOS ANGELES	1,795	11.4	1,095	57.5
MADERA	100	0.6	62	60.2
MARIN	142	0.9	99	66.9
MARIPOSA	21	0.1	11	45.8
MENDOCINO	189	1.2	138	71.5
MERCED	279	1.8	182	62.3
MODOC	73	0.5	60	80.0
MONO	33	0.2	21	61.8
MONTEREY	200	1.3	128	60.4
NAPA	109	0.7	74	64.3
NEVADA	116	0.7	82	66.3
ORANGE	665	4.2	427	50.9
PLACER	231	1.5	163	57.6
PLUMAS	82	0.5	55	74.7
RIVERSIDE	402	2.6	246	57.2
SACRAMENTO	733	4.7	470	50.3
SAN BENITO	58	0.4	40	69.0
SAN BERNARDINO	506	3.2	337	62.9
SAN DIEGO	566	3.6	365	60.7
SAN FRANCISCO	117	0.7	73	60.3
SAN JOAQUIN	470	3.0	281	57.2
SAN LUIS OBISPO	225	1.4	159	66.8
SAN MATEO	337	2.1	232	66.7
SANTA BARBARA	222	1.4	134	56.1
SANTA CLARA	630	4.0	401	59.9
SANTA CRUZ	134	0.9	90	64.7
SHASTA	281	1.8	192	65.5
SIERRA	10	0.1	6	54.5
SISKIYOU	276	1.8	197	69.1
SOLANO	320	2.0	213	62.3
SONOMA	388	2.5	262	65.7
STANISLAUS	400	2.5	250	58.1
SUTTER	179	1.1	122	64.9
TEHAMA	175	1.1	110	59.1
TRINITY	78	0.5	55	69.6
TULARE	335	2.1	213	60.9
TUOLUMNE	94	0.6	55	56.1
VENTURA	255	1.6	169	63.1
YOLO	245	1.6	149	57.3
YUBA	132	0.8	81	57.4
NONRESIDENT	97	0.6	66	63.0
TOTAL	15,750	100.0	10,227	61.6