

California Department of Fish and Game
Resources Building, 1416 Ninth Street
Sacramento, California 95814

REPORT OF THE 1969 GAME TAKE HUNTER SURVEY

Hunter game take questionnaires were mailed to 13,082 hunting licensees on January 8, 1970. This was a sample of 1.7 percent of the estimated hunting licensees and was selected randomly.

A total of 6,378 usable questionnaires was returned, a response of about 49 percent.

Some form of hunting effort was reported in 1969 by about 685,500 hunting licensees who spent some 10,278,400 hunters days in the field.

<u>HUNTING LICENSE SALES</u>	<u>1968</u>	<u>1969*</u>	<u>Change from 1968</u>
Hunting licenses	759,163	761,000	+ 0.2%
Deer Tags	418,369	407,000	- 2.7%
Pheasant Tags	225,972	221,000	- 2.2%
Bear Tags	32,838	34,000	+ 3.5%
Duck Stamps	162,622	Not Available	-

*Estimated

HUNTING REGULATION CHANGES

Pheasants

Daily bag limits were changed to allow the taking of four (4) male pheasants per day after the opening weekend. Seasonal limits continued at 10 per season.

Doves

The December portion of the 1969 dove season was lengthened by one week extending from November 29 through December 14, 1969.

Deer

The one buck portion of the late season west of the Sierra ran one week longer than in 1968. The one buck season in effect east of the Sierra opened September 20 and closed November 2, 1969.

Bear

The seasonal bag limit was reduced to one bear per season in 1969.

Exceptions to the good hunting in the balance of the state were two counties which have been traditional dove bag leaders. Imperial County was down 32 percent from 1968 totals and San Diego County down 34 percent from 1968.

A split dove season was in effect during 1969. The seasons were September 1-30 and November 29 through December 14.

A comparison of the results of the split season is listed below for the years 1965, 1968 and 1969.

SUCCESSFUL DOVE HUNTERS BY SEASON - 1965, 1968-69

	1965		1968		1969	
	Hunters	Bag	Hunters	Bag	Hunters	Bag
September	89%	94%	85%	92%	85%	92%
December	11%	6%	15%	8%	15%	8%
	100%	100%	100%	100%	100%	100%

<u>BAND-TAILED PIGEON</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	307,000	215,900	-30%
Hunters Reported	44,300	42,200	- 5%
Average Seasonal Bag	6.9	5.1	- 1.8
Total Days Hunted	130,300	102,500	-21%
Average Days Hunted	2.9	2.4	- 0.5

A decline in the 1969 band-tailed pigeon bag had been forecast prior to the season opening. Field reports had indicated fair to good acorn mast statewide causing a wide dispersion of band-tails. In many areas of past abundance large concentrations of pigeons were not found in 1969.

South coastal areas such as Monterey and San Luis Obispo Counties have traditionally provided the most consistent leadership in the statewide band-tailed pigeon bag. In 1968 these counties accounted for about 34 percent of the statewide kill. However, in 1969 the kill in these two counties was down about 77 percent and provided only 11 percent of the statewide bag.

<u>CHUKAR PARTRIDGE</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	83,800	91,000	+ 9%
Hunters Reported	32,600	38,900	+19%
Average Seasonal Bag	2.6	2.3	- 0.3
Total Days Hunted	102,200	92,000	-10%
Average Days Hunted	3.1	2.4	- 0.7

TABLE 3

GAME BAG - 1969

(TEN LEADING COUNTIES)

<u>PHEASANTS</u>			<u>JACKRABBITS</u>		
	<u>% OF STATE</u>	<u>POSITION</u>		<u>% OF STATE</u>	<u>POSITION</u>
	<u>TOTAL</u>	<u>1968</u>		<u>TOTAL</u>	<u>1969</u>
1. BUTTE	7.7	1	1. SAN BERNARDINO	14.9	1
2. MERCED	7.2	9	2. KERN	13.0	2
3. YOLO	7.1	5	3. MERCED	5.2	10
4. FRESNO	6.9	4	4. YOLO	5.2	8
5. COLUSA	6.3	10	5. SAN JOAQUIN	4.4	12
6. SUTTER	5.9	6	6. LOS ANGELES	4.3	3
7. SAN JOAQUIN	5.9	2	7. FRESNO	4.1	4
8. STANISLAUS	5.8	8	8. RIVERSIDE	4.0	7
9. SACRAMENTO	5.4	3	9. BUTTE	3.1	13
10. SOLANO	4.7	12	10. MONTEREY	3.0	27
ALL OTHERS	<u>37.1</u>		ALL OTHERS	<u>38.8</u>	
TOTAL	100.0		TOTAL	100.0	
<u>QUAIL</u>			<u>RABBITS (COTTONTAIL/BRUSH)</u>		
1. KERN	8.6	1	1. KERN	14.3	4
2. RIVERSIDE	5.1	3	2. SAN BERNARDINO	11.5	2
3. SAN BERNARDINO	5.1	6	3. RIVERSIDE	10.9	1
4. LOS ANGELES	4.7	5	4. SAN DIEGO	9.6	3
5. FRESNO	4.5	4	5. VENTURA	8.0	6
6. SAN DIEGO	4.5	2	6. LOS ANGELES	7.8	5
7. TULARE	4.1	10	7. MONTEREY	3.4	8
8. SHASTA	3.8	16	8. FRESNO	3.0	7
9. VENTURA	3.7	11	9. SANTA BARBARA	2.3	14
10. MENDOCINO	3.4	12	10. SANTA CRUZ	2.3	17
ALL OTHERS	<u>52.5</u>		ALL OTHERS	<u>26.9</u>	
TOTAL	100.0		TOTAL	100.0	
<u>DOVES</u>			<u>DUCKS</u>		
1. FRESNO	8.1	2	1. MERCED	14.3	1
2. IMPERIAL	8.0	1	2. COLUSA	11.4	2
3. KERN	7.4	4	3. SOLANO	7.9	3
4. TULARE	6.9	3	4. BUTTE	6.0	4
5. RIVERSIDE	4.7	5	5. GLENN	5.3	10
6. MERCED	4.6	7	6. KERN	4.7	5
7. SAN BERNARDINO	3.4	11	7. IMPERIAL	3.8	9
8. BUTTE	3.2	8	8. SISKIYOU	3.5	7
9. STANISLAUS	3.0	10	9. SUTTER	3.5	8
10. SAN JOAQUIN	2.8	13	10. SAN JOAQUIN	2.9	18
ALL OTHERS	<u>47.9</u>		ALL OTHERS	<u>36.7</u>	
TOTAL	100.0		TOTAL	100.0	
<u>BAND-TAILED PIGEONS</u>			<u>GEESE</u>		
1. MENDOCINO	11.7	15	1. COLUSA	18.7	2
2. SHASTA	11.4	3	2. GLENN	15.8	5
3. TULARE	6.1	25	3. SISKIYOU	12.2	1
4. SAN LUIS OBISPO	6.1	2	4. BUTTE	11.9	4
5. SONOMA	6.1	4	5. MODOC	6.2	3
6. SISKIYOU	5.8	6	6. SAN JOAQUIN	5.4	8
7. MONTEREY	5.1	1	7. MERCED	4.9	6
8. SANTA CRUZ	4.9	7	8. SUTTER	3.5	7
9. NEVADA	4.1	-	9. SACRAMENTO	2.6	9
10. MADERA	3.9	18	10. IMPERIAL	2.0	10
ALL OTHERS	<u>34.8</u>		ALL OTHERS	<u>16.8</u>	
TOTAL	100.0		TOTAL	100.0	

Quail

The general quail season was lengthened one week. Siskiyou, Shasta and Trinity Counties were closed for the additional mountain quail season.

Chukar Partridge

A statewide chukar season was inaugurated and opened one week earlier than the 1968 season. The daily bag limit was increased from five (5) chukars a day to six (6) a day.

Sage Grouse

A two day sage grouse season was in effect for Modoc and Lassen Counties. This was the first sage grouse season since 1966.

Wild Turkey

A two-day turkey season in San Luis Obispo County was in effect in 1969. In 1968 it was a one day season.

Tree Squirrel

Extension of the tree squirrel season area included the counties of Modoc, Lassen, Yolo, Solano, Contra Costa, Alameda, San Joaquin, Stanislaus, Kings, Merced, San Benito and the eastern portions of Santa Clara and Kern Counties.

Rabbits, Brush/Cottontail

A July 4 season opening was extended to the counties of northern California.

The following tables are appended to this report:

Table 1 - Mailing and Return of Questionnaires, By County of Residence
1969 Hunter Survey

Table 2 - Summary of Statewide Game Bag - 1969

Table 3 - Game Bag, Ten Leading Counties - 1969 (Pheasants, Quail,
Doves, Band-tailed Pigeons, Jackrabbits, Cottontail/Brush
Rabbits, Ducks and Geese)

Table 4 - Regional Game Bag, Major Species - 1969

Table 5 - Distribution of Hunter Effort, by Game Species - 1969

Table 6 - Hunter Success, Summary 1954-69

Table 7 - Where Metropolitan Area Hunters Bag Their Game - 1969
(Expressed in Percent of Bag in the Counties Hunted)

Summary by Species:	A. Pheasants	D. Ducks
	B. Quail	E. Deer
	C. Doves	

BAG BY SPECIES

UPLAND GAME

<u>PHEASANTS</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	662,200	741,900	+12%
Hunters Reported	246,700	255,700	+ 4%
Average Seasonal Bag	2.7	2.9	+ 0.2
Total Days Hunted	816,800	836,200	+ 2%
Average Days Hunted	3.3	3.3	-

The twelve percent increase recorded for the 1969 pheasant season over the 662,200 pheasants bagged in 1968 was marked by an increased kill in the principal pheasant producing areas of the San Joaquin Valley. Fresno, Merced and Stanislaus Counties, the perennial pheasant bag leaders in the San Joaquin Valley, recorded an increase of about 26 percent over their reported bag in 1968. In comparison the Sacramento Valley area which has consistently recorded the major portion of the state pheasant bag reported an increase of about 9 percent over the reported bag in 1968.

<u>QUAIL</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	2,392,700	2,313,700	- 3%
Hunters Reported	233,200	232,200	-
Average Seasonal Bag	10.3	10.0	- 0.3
Total Days Hunted	995,600	957,100	- 4%
Average Days Hunted	4.3	4.1	- 0.2

A slight decline from 1968 in the statewide quail bag was reported for the 1969 season, however a major drop of about 14 percent in the bag was reported from the principal quail producing areas of the southern San Joaquin Valley and southern California. This quail bag decrease in 1969 was partially offset by an increased bag reported in the foothills of the Sacramento Valley and in the north coastal counties.

<u>DOVES</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	4,461,900	4,680,300	+ 5%
Hunters Reported	263,300	282,700	+ 7%
Average Seasonal Bag	16.9	16.6	- 0.3
Total Days Hunted	1,076,500	1,105,700	+ 3%
Average Days Hunted	4.1	3.9	- 0.2

Favorable nesting conditions, an abundance of doves and generally moderate hunting weather in most of the state were the principal factors which contributed to a good dove hunting season in 1969.

A higher dove kill was reported in 1969 over 1968 totals for northeastern California, most of the central and south coastal areas and in the southern San Joaquin Valley.

<u>SAGE GROUSE</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	No Season	3,200	-
Hunters Reported	No Season	3,100	-
Average Seasonal Bag	No Season	1.0	-
Total Days Hunted	No Season	3,900	-
Average Days Hunted	No Season	1.3	-

<u>SIERRA/RUFFED GROUSE</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	4,500	5,000	+11%
Hunters Reported	4,200	4,600	+10%
Average Seasonal Bag	1.1	1.1	-
Total Days Hunted	5,400	8,000	+48%
Average Days Hunted	1.3	1.7	+ 0.4

<u>JACKRABBITS</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	2,440,700	1,788,300	-27%
Hunters Reported	172,800	161,500	- 7%
Average Seasonal Bag	14.1	11.1	- 3.0
Total Days Hunted	1,590,300	1,134,700	-29%
Average Days Hunted	9.2	7.0	- 2.2

<u>COTTONTAIL/BRUSH RABBITS</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	891,000	628,900	-29%
Hunters Reported	119,200	106,400	-11%
Average Seasonal Bag	7.5	5.9	- 1.6
Total Days Hunted	648,100	568,900	-12%
Average Days Hunted	5.4	5.3	- 0.1

<u>TREE SQUIRRELS</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	240,600	253,400	+ 5%
Hunters Reported	66,400	66,800	+ 0.6%
Average Seasonal Bag	3.6	3.8	+ 0.2
Total Days Hunted	282,000	281,800	-
Average Days Hunted	4.2	4.2	-

WATERFOWL

<u>DUCKS</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	2,566,000	3,612,500	+41%
Hunters Reported	185,800	214,600	+16%
Average Seasonal Bag	13.8	16.8	+ 3.0
Total Days Hunted	1,339,900	1,543,400	+15%
Average Days Hunted	7.2	7.2	-

The successful 1969 duck season reflected the Department's preseason forecast of waterfowl abundance. Good waterfowl breeding ground production resulted in the greatest California wintering duck populations recorded in many years. The abundance of ducks and favorable hunting conditions, it was felt, were the principal factors which contributed to the success of the 1969 duck season.

The 1969 duck bag at state operated public shooting areas increased about 34 percent over 1968 results and was accompanied by an increase of about 7 percent in hunter use.

About 44 percent of the ducks bagged statewide were taken on private or commercial gun clubs by about 32 percent of the state's duck hunters.

<u>GEESE</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	312,900	276,600	+20%
Hunters Reported	85,000	89,300	+ 5%
Average Seasonal Bag	3.7	4.2	+ 0.5

BIG GAME

<u>DEER (Survey)</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	121,000	114,300	- 6%
Hunters Reported	415,700	423,000	+ 2%
Total Days Hunted	3,215,300	3,366,500	+ 5%
Average Days Hunted	7.7	8.0	+ 0.3

The 114,300 deer kill in 1969 was calculated from hunter survey respondents and was 6 percent lower than 1968 results. The 48,288 deer kill report tags received in 1969 represented a drop of 7 percent from the 51,706 tags received in 1968.

In 1969 with self-validation of deer kill report tags still in effect the mailed in tags represented about 42 percent of the deer kill as reported by hunter survey respondents. Under the program of official deer tag validation prior to the 1967 deer season (the first year of self-validation) the deer kill report tag total had been about half the number reported by hunter survey respondents.

Listed below is a comparison between deer kill report tag returns and hunter survey deer kill figures under the two validation systems from 1963 through 1969.

<u>Official Validation</u>	<u>Tags</u>	<u>Hunter Survey</u>	<u>Tag Return Percentage of Survey Results</u>
1963	56,814	117,100	49%
1964	66,584	138,700	48%
1965	61,224	128,200	48%
1966	69,118	135,200	51%

Self-Validation

1967	40,000	98,800	40%
1968	51,706	121,100	43%
1969	48,288	114,300	42%

A total of 35,700 archery deer hunters reported deer hunting effort in 1969.

Hunter questionnaire respondents reported that about 17 percent of the successful buck hunters in California bagged two deer in 1969. This compares with the deer kill report tag return in which two deer were bagged by 19 percent of the successful deer hunters.

Special antlerless deer hunts supplement the regular season buck deer seasonal bag and provide an additional part of the total California deer kill. Special antlerless deer kill figures for 1968 and 1969 are listed below.

	<u>1968</u>	<u>1969</u>
Special Antlerless Hunt Bag (tag count)	3,222	3,754
Special Antlerless Deer Hunt Permit Purchasers (Licenses Section)	10,712	13,816

<u>BEAR (Survey)</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	1,600	3,000	+88%
Hunters Reported	29,900	30,300	+ 1%
Total Days Hunted	169,500	188,400	+11%
Average Days Hunted	5.7	6.2	+ 0.5

<u>BEAR (Tag Count)</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	638	871	+37%

In spite of the 1969 reduction of the bear bag limit from two bears a season to one bear a season an increased kill was reported by both the hunter survey and bear kill report tags.

<u>WILD PIGS</u>	<u>1968</u>	<u>1969</u>	<u>Change from 1968</u>
Statewide Bag	13,200	15,900	+20%
Hunters Reported	19,500	22,300	+14%
Total Days Hunted	92,900	93,300	-
Average Days Hunted	4.8	4.2	- 0.6

TABLE 1

MAILING AND RETURN OF QUESTIONNAIRES BY COUNTY OF RESIDENCE - 1969 HUNTER SURVEY

COUNTY	QUESTIONNAIRES MAILED	PERCENT OF TOTAL MAILED	NUMBER RETURNED	PERCENT RETURNED
ALAMEDA	618	4.7	303	49.0
ALPINE	-	-	-	-
AMADOR	30	0.2	13	43.3
BUTTE	278	2.1	155	55.8
CALA VERAS	41	0.3	19	46.3
COLUSA	55	0.4	17	30.9
CONTRA COSTA	530	4.0	243	45.8
DEL NORTE	54	0.4	30	55.6
EL DORADO	68	0.5	39	57.4
FRESNO	490	3.7	230	46.9
GLENN	79	0.6	37	46.8
HUMBOLDT	311	2.4	142	45.7
IMPERIAL	87	0.7	41	47.1
INYO	46	0.4	25	54.3
KERN	435	3.3	217	49.9
KINGS	99	0.8	43	43.4
LAKE	62	0.5	31	50.0
LASSEN	83	0.6	44	53.0
LOS ANGELES	2,275	17.4	1,057	46.5
MADERA	84	0.6	44	52.4
MARIN	145	1.1	74	51.0
MARIPOSA	15	0.1	8	53.3
MENDOCINO	152	1.2	80	52.6
MERCED	179	1.4	81	45.3
MODOC	30	0.2	18	60.0
MONO	10	0.1	8	80.0
MONTEREY	166	1.3	87	52.4
NAPA	115	0.9	67	58.3
NEVADA	67	0.5	35	52.2
ORANGE	553	4.2	239	43.2
PLACER	159	1.2	91	57.2
PLUMAS	49	0.4	29	59.2
RIVERSIDE	178	1.4	79	44.4
SACRAMENTO	661	5.1	319	48.3
SAN BENITO	28	0.2	17	60.7
SAN BERNARDINO	335	2.6	162	48.4
SAN DIEGO	430	3.3	225	52.3
SAN FRANCISCO	165	1.3	80	48.5
SAN JOAQUIN	387	3.0	195	50.4
SAN LUIS OBISPO	129	1.0	67	51.9
SAN MATEO	341	2.6	163	47.8
SANTA BARBARA	136	1.0	65	47.8
SANTA CLARA	607	4.6	301	49.6
SANTA CRUZ	96	0.7	52	54.2
SHASTA	274	2.1	149	54.4
SIERRA	10	0.1	7	70.0
SISKIYOU	180	1.4	88	48.9
SOLANO	203	1.6	103	50.7
SONOMA	263	2.0	132	50.2
STANISLAUS	305	2.3	141	46.2
SUTTER	120	0.9	66	55.0
TEHAMA	84	0.6	34	40.6
TRINITY	30	0.2	20	66.7
TULARE	249	1.9	107	43.0
TUOLUMNE	64	0.5	36	56.3
VENTURA	164	1.3	79	48.2
YOLO	172	1.3	94	54.7
YUBA	102	0.8	49	48.0
UNKNOWN	4	-	1	25.0
TOTAL	13,082	100.0	6,378	48.8

TABLE 2
SUMMARY OF STATEWIDE GAME BAG - 1969

Species	Yearly Average 1963-67	1968	1969	% Change From 1968
Pheasant	737,000	662,200	741,900	+ 12
Quail	2,464,300	2,392,700	2,313,700	- 3
Dove	4,655,500	4,461,900	4,680,300	+ 5
Chukar Partridge	67,900	83,800	91,000	+ 9
Sage Grouse	-	No Season	3,200	-
Sierra and Ruffed Grouse	3,100	4,500	5,000	+ 11
Band-tailed Pigeon	255,900	307,000	215,900	- 30
Jackrabbit	2,414,600	2,440,700	1,788,300	- 27
Cottontail/Brush Rabbit	938,600	891,000	628,900	- 29
Tree Squirrel	146,100	240,600	253,400	+ 5
Ducks	2,647,100	2,566,000	3,612,500	+ 41
Geese	351,100	312,900	376,600	+ 20
Jacksnipe	56,200	70,600	96,800	+ 37
Coot	365,700	511,900	734,500	+ 43
Buck Deer (Hunter Survey)	123,600	121,100	114,300	- 6
Buck Deer (Tag Count)	58,700	51,706	48,288	- 7
Bears (Hunter Survey)	2,400	1,600	3,000	+ 88
Bears (Tag Count)	919	638	871	+ 37
Wild Pig	9,100	13,200	15,900	+ 20
Wild Turkey	No Season	400	400	-

TABLE 4
 DISTRIBUTION OF MAJOR GAME SPECIES BAG BY REGION - 1968-69
 (Percentage of State Bag)

	<u>Pheasants</u> <u>1968</u> <u>1969</u>	<u>Quail</u> <u>1968</u> <u>1969</u>	<u>Doves</u> <u>1968</u> <u>1969</u>	<u>Jackrabbits</u> <u>1968</u> <u>1969</u>	<u>Cottontail</u> <u>1968</u> <u>1969</u>	<u>Ducks</u> <u>1968</u> <u>1969</u>
Region 1	6 4	8 9	5 6	5 7	3 5	11 9
Region 2	52 52	16 16	20 19	15 21	3 3	42 46
Region 3	6 7	18 20	12 13	9 11	11 12	8 10
Region 4	28 29	26 26	34 35	37 31	21 26	28 25
Region 5	<u>8</u> <u>8</u>	<u>32</u> <u>29</u>	<u>29</u> <u>27</u>	<u>34</u> <u>30</u>	<u>62</u> <u>54</u>	<u>11</u> <u>10</u>
TOTALS	100 100	100 100	100 100	100 100	100 100	100 100

TABLE 6

HUNTER SUCCESS

As Reported by Hunter Survey Respondents

(In Percent)

	<u>Did Not Hunt</u>	<u>Hunted Unsuccessfully</u>	<u>Hunted Successfully</u>
1954	8	26	66
1955	10	23	67
1956	11	22	67
1957	12	22	66
1958	8	23	69
1959	7	27	66
1960	7	28	65
1961	88	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

TABLE 7-A

WHERE METROPOLITAN AREA PHEASANT HUNTERS BAGGED THEIR PHEASANTS - 1969
 EXPRESSED IN PERCENT OF BAG BY METROPOLITAN AREA HUNTERS IN THE COUNTIES THEY HUNTED
 (STATE BAG 741,900)

PERCENTAGE OF STATE BAG	(15%) BAY AREA ALAMEDA S.F. CON. COSTA COUNTIES	(4%) SAN JOSE AREA	(5%) STOCKTON AREA	(8%) SACTO. AREA	(5%) CHICO AREA	(2%) REDDING AREA	(7) EUREKA AREA	(5%) FRESNO AREA	(2%) BKSFLD. AREA	(9%) L. A. AREA	(2%) S. GIEG AREA
	SANTA CLARA COUNTY	SAN JOAQUIN COUNTY	SACRA- MENTO COUNTY	BUTTE COUNTY	SHASTA COUNTY	HUM- BOLDT COUNTY	FRESNO COUNTY	KERN COUNTY	L.A. & ORANGE COUNTIES	SAN DIEGO COUNTY	
ALAMEDA	4	-	-	-	-	-	-	-	-	-	
BUTTE	5	3	-	4	83	5	7	6	2	-	
COLUSA	19	4	-	3	-	8	11	2	-	-	
CONTRA COSTA	9	6	-	-	-	-	-	-	-	-	
FRESNO	-	6	-	-	-	2	-	75	10	20	
GLENN	6	-	-	-	6	7	15	-	-	-	
IMPERIAL	-	-	-	-	-	-	-	-	8	44	
INYO	-	-	-	-	-	-	-	-	3	-	
KERN	-	-	-	-	-	-	4	25	6	-	
KINGS	-	-	-	-	-	-	-	17	5	-	
LASSEN	-	-	-	-	5	-	-	-	-	-	
LOS ANGELES	-	-	-	-	-	-	-	-	2	-	
MADERA	-	-	-	-	-	-	8	-	-	-	
MARIN	3	-	-	-	-	-	-	-	-	-	
MERCED	5	26	-	-	-	-	5	-	6	-	
MODOC	-	-	-	-	-	12	22	-	-	-	
PLACER	-	-	-	6	-	-	-	-	-	-	
RIVERSIDE	-	-	-	-	-	-	-	-	5	-	
SACRAMENTO	4	3	-	38	-	-	-	-	4	-	
SAN BERNARDINO	-	-	-	-	-	-	-	-	11	-	
SAN DIEGO	-	-	-	-	-	-	-	-	-	51	
SAN JOAQUIN	5	5	81	-	-	-	4	2	-	-	
SAN MATEO	-	2	-	-	-	-	-	-	-	-	
SANTA CLARA	-	11	-	-	-	-	-	-	-	-	
SHASTA	-	-	-	-	-	7	-	-	-	2	
SISKIYOU	-	2	-	-	-	17	4	2	-	-	
SOLANO	4	4	-	4	2	9	7	-	-	-	
STANISLAUS	5	10	11	-	-	-	-	-	5	-	
SUTTER	5	3	-	12	8	-	7	-	3	-	
TEHAMA	-	-	-	-	-	26	-	-	-	-	
TULARE	-	-	-	-	-	-	-	3	31	5	
YOLO	15	4	-	28	-	-	-	-	-	-	
YUBA	-	2	-	-	-	-	19	-	-	-	
ALL OTHERS	11	9	8	5	1	2	-	7	5	13	
TOTAL	100	100	100	100	100	100	100	100	100	100	

TABLE 7-B

WHERE METROPOLITAN AREA QUAIL HUNTERS BAGGED THEIR QUAIL - 1969

EXPRESSED IN PERCENT OF BAG BY METROPOLITAN AREA HUNTERS IN THE COUNTIES THEY HUNTED

(STATE BAG 2,313,700)

PERCENTAGE OF STATE BAG	(7%)	(3%)	(2%)	(2%)	(2%)	(3%)	(1%)	(5%)	(7%)	(19%)	(5%)
	BAY AREA	SAN JOSE AREA	STOCKTON AREA	SACTO. AREA	CHICO AREA	REDDING AREA	EUREKA AREA	FRESNO AREA	BKSFLD. AREA	L. A. AREA	S. DIEGO AREA
	ALAMEDA S.F. CON. COSTA COUNTIES	SANTA CLARA COUNTY	SAN JOAQUIN COUNTY	SACRA-MENTO COUNTY	BUTTE COUNTY	SHASTA COUNTY	HUM-BOLDT COUNTY	FRESNO COUNTY	KERN COUNTY	L.A. & ORANGE COUNTIES	SAN DIEGO COUNTY
ALAMEDA	12	7	-	-	-	-	-	-	-	-	-
AMADOR	-	-	4	15	-	-	-	-	-	-	-
BUTTE	15	-	-	-	79	-	-	-	-	-	-
CALAVERAS	3	-	7	-	-	-	-	-	-	-	-
COLUSA	2	-	-	-	-	-	-	-	-	-	-
CONTRA COSTA	4	-	-	-	-	-	-	-	-	-	-
EL DORADO	8	-	2	17	4	-	-	-	-	-	-
FRESNO	-	3	9	-	-	-	-	67	3	-	-
HUMBOLDT	-	-	-	-	-	-	91	-	2	-	-
IMPERIAL	-	-	-	-	-	-	-	-	-	4	8
KERN	-	-	-	-	-	-	3	-	72	18	-
KINGS	3	3	-	-	-	-	-	2	-	-	-
LAKE	7	4	5	-	-	-	6	-	-	-	-
LASSEN	-	-	-	2	-	2	-	-	-	-	-
LOS ANGELES	-	-	-	6	-	-	-	-	-	23	-
MADERA	-	-	6	-	-	-	-	15	-	-	-
MARIPOSA	2	-	-	-	-	-	-	2	-	-	-
MENDOCINO	7	-	-	-	-	-	-	-	-	-	-
MERCED	-	5	-	-	-	-	-	-	-	-	-
MODOC	-	-	-	-	-	3	-	-	-	-	-
MONTEREY	-	13	-	-	-	-	-	-	-	-	-
NAPA	6	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	2	-	-	-	-	-	-
ORANGE	-	-	-	-	-	-	-	-	4	6	-
PLACER	-	-	-	19	-	-	-	-	-	-	-
PLUMAS	-	-	-	-	9	-	-	-	-	-	-
RIVERSIDE	-	2	-	-	-	-	-	-	-	16	4
SACRAMENTO	-	-	-	28	-	-	-	-	-	-	-
SAN BENITO	-	7	-	-	-	-	-	-	-	-	-
SAN BERNARDINO	-	-	-	-	-	-	-	-	3	13	2
SAN DIEGO	4	-	-	-	-	-	-	-	-	3	79
SAN JOAQUIN	2	-	60	4	-	-	-	-	-	-	-
SAN LUIS OBISPO	-	9	-	-	-	-	-	-	5	-	-
SAN MATEO	2	-	-	-	-	-	-	-	-	-	-
SANTA BARBARA	-	-	-	-	-	-	-	-	2	-	-
SANTA CLARA	3	36	-	-	-	-	-	-	-	-	-
SANTA CRUZ	-	3	-	-	-	-	-	-	-	-	-
SHASTA	3	-	-	-	-	92	-	-	-	-	-
SONOMA	3	-	-	-	-	-	-	-	-	-	-
STANISLAUS	-	4	-	-	-	-	-	-	-	-	-
TEHAMA	-	-	-	-	5	2	-	-	-	-	-
TULARE	-	-	-	-	-	-	-	4	3	3	-
TUOLUMNE	-	-	3	-	-	-	-	-	-	-	-
VENTURA	-	-	-	-	-	-	-	-	3	6	-
YOLO	-	-	-	5	-	-	-	-	-	-	-
ALL OTHERS	14	4	4	4	1	1	-	10	3	8	7
TOTAL	100	100	100	100	100	100	100	100	100	100	100

TABLE 7-C

WHERE METROPOLITAN AREA DOVE HUNTERS BAGGED THEIR DOVES - 1969

EXPRESSED IN PERCENT OF BAG BY METROPOLITAN AREA HUNTERS IN THE COUNTIES THEY HUNTED

(STATE BAG 4,680,300)

PERCENTAGE OF STATE BAG	(10%)	(4%)	(3%)	(3%)	(3%)	(1%)	(1)	(8%)	(6%)	(15%)	(5%)
	BAY AREA	SAN JOSE	STOCKTON	SACTO.	CHICO	REDDING	EUREKA	FRESNO	BKSFLD.	L. A.	S. DIEGO
	ALAMEDA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
	S.F.	SANTA	SAN	SACRA-	CHICO	REDDING	EUREKA	FRESNO	BKSFLD.	L. A.	S. DIEGO
	CON. COSTA	CLARA	JOAQUIN	MENTO	BUTTE	SHASTA	HUM-	FRESNO	KERN	ORANGE	DIEGO
	COUNTIES	COUNTY	COUNTY	COUNTY	COUNTY	COUNTY	BOLDT	COUNTY	COUNTY	COUNTIES	COUNTY
ALAMEDA	7	-	-	-	-	-	-	-	-	-	-
AMADOR	-	-	5	-	-	-	-	-	-	-	-
BUTTE	2	-	-	3	84	-	-	-	-	-	-
CALAVERAS	-	-	5	-	-	-	-	-	-	-	-
COLUSA	8	2	-	4	-	-	-	-	-	-	-
CONTRA COSTA	15	-	2	-	-	-	-	-	-	-	-
EL DORADO	-	-	-	2	-	-	-	-	-	-	-
FRESNO	5	3	4	-	-	-	-	81	-	2	-
GLENN	-	-	-	-	12	2	-	-	-	-	-
HUMBOLDT	-	-	-	-	-	-	13	-	-	-	-
IMPERIAL	-	-	-	-	-	-	-	-	-	23	46
INYO	-	-	-	-	-	-	-	-	2	2	-
KERN	3	-	-	-	-	4	68	-	77	11	-
KINGS	-	2	-	-	-	-	-	5	-	-	-
LAKE	8	2	-	-	-	-	14	-	-	-	-
LASSEN	-	-	-	2	2	7	-	-	-	-	-
LOS ANGELES	-	-	-	-	-	-	-	-	-	17	-
MADERA	-	-	2	-	-	-	-	4	-	-	-
MERCED	9	15	-	-	-	-	-	-	-	-	-
MODOC	-	-	-	-	-	4	-	-	-	-	-
MONTEREY	-	5	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	3	-	-	-	-	-	-	-
ORANGE	-	-	-	-	-	-	-	-	-	6	-
PLACER	-	-	-	4	-	-	-	-	-	-	-
RIVERSIDE	-	-	-	-	-	-	-	-	-	16	-
SACRAMENTO	2	2	2	41	-	-	-	-	-	-	-
SAN BENITO	-	3	-	-	-	-	-	-	-	-	-
SAN BERNARDINO	-	-	-	-	-	-	-	-	-	10	-
SAN DIEGO	-	-	-	-	-	-	-	-	-	-	46
SAN JOAQUIN	5	-	70	4	-	-	-	-	-	-	-
SAN LUIS OBISPO	-	2	-	-	-	-	-	-	-	-	-
SAN MATEO	-	6	-	-	-	-	-	-	-	-	-
SANTA CLARA	2	30	-	-	-	-	-	-	-	-	-
SHASTA	-	-	-	-	-	73	-	-	-	-	-
SOLANO	2	-	-	-	-	-	-	-	-	-	-
SONOMA	3	-	-	-	-	-	-	-	-	-	-
STANISLAUS	6	7	2	-	-	-	-	-	-	-	-
SUTTER	-	3	-	5	-	-	-	-	-	-	-
TEHAMA	2	2	-	3	2	5	-	-	-	-	-
TULARE	-	3	-	2	-	-	-	2	13	5	-
VENTURA	-	-	-	-	-	-	-	-	-	-	2
YOLO	3	-	-	16	-	-	-	-	-	-	-
YUBA	-	-	-	3	-	-	-	-	-	-	-
ALL OTHERS	18	13	8	8	-	5	-	8	8	8	6
TOTAL	100	100	100	100	100	100	100	100	100	100	100

TABLE 7-D

WHERE METROPOLITAN AREA DUCK HUNTERS BAGGED THEIR DUCKS - 1969

EXPRESSED IN PERCENT OF BAG BY METROPOLITAN AREA HUNTERS IN THE COUNTIES THEY HUNTED

(STATE BAG 3,612,500)

PERCENTAGE OF STATE BAG	(25%)	(9%)	(4%)	(5%)	(5%)	(2%)	(1%)	(2%)	(2%)	(10%)	(2%)
BAY AREA	SAN JOSE	STOCKTON	SACTO.	CHICO	REDDING	EUREKA	FRESNO	BKSFLD.	L. A.	S. DIEGO	
ALAMEDA	SANTA	SAN	SACRA-	BUTTE	SHASTA	HUM-	FRESNO	KERN	L. A. &	SAN	
S.F.	CLARA	JOAQUIN	MENTO	COUNTY	COUNTY	BOLDT	COUNTY	COUNTY	ORANGE	DIEGO	
CON. COSTA	COUNTY	COUNTY	COUNTY	COUNTY	COUNTY	COUNTY	COUNTY	COUNTY	COUNTIES	COUNTY	
COUNTIES	COUNTY	COUNTY	COUNTY	COUNTY	COUNTY	COUNTY	COUNTY	COUNTY	COUNTIES	COUNTY	
ALAMEDA	7	3	-	-	-	-	-	-	-	-	
BUTTE	3	7	-	6	66	2	-	17	-	-	
COLUSA	24	8	-	23	6	2	-	-	-	-	
CONTRA COSTA	3	-	3	-	-	-	-	-	-	-	
FRESNO	-	3	-	-	-	-	51	-	7	-	
GLENN	10	-	-	6	21	5	-	-	-	-	
HUMBOLDT	-	-	-	-	-	-	77	-	-	-	
IMPERIAL	-	-	-	-	-	-	-	-	23	42	
INYO	-	-	-	-	-	-	-	3	-	-	
KERN	-	-	-	-	-	-	7	51	32	-	
KINGS	-	-	-	-	-	-	-	12	-	-	
LASSEN	-	-	-	-	15	-	-	-	-	-	
LOS ANGELES	-	-	-	-	-	-	-	-	3	-	
MADERA	-	-	-	-	-	-	3	-	-	-	
MERCED	10	46	9	-	-	-	39	-	4	-	
MODOC	-	-	-	2	12	4	-	-	-	-	
NAPA	2	-	2	-	-	-	-	-	-	-	
ORANGE	-	-	-	-	-	-	-	-	3	-	
PLACER	-	-	-	3	-	-	-	-	-	-	
RIVERSIDE	-	-	-	-	-	-	-	-	11	-	
SACRAMENTO	4	-	10	14	-	-	-	-	-	-	
SAN BERNARDINO	-	-	-	-	-	-	-	-	2	-	
SAN DIEGO	-	-	-	-	-	-	-	-	-	42	
SAN JOAQUIN	-	-	65	3	-	-	-	-	-	-	
SAN MATEO	7	-	-	-	-	-	-	-	-	-	
SANTA CLARA	-	5	-	-	-	-	-	-	-	-	
SHASTA	-	-	-	-	38	-	-	-	-	-	
SISKIYOU	-	-	2	-	9	10	-	-	6	10	
SOLANO	17	7	-	-	-	-	-	-	-	-	
STANISLAUS	-	3	-	-	-	-	-	-	-	-	
SUTTER	4	-	-	23	2	-	3	-	-	-	
TEHAMA	-	-	-	-	17	-	-	-	-	-	
TULARE	-	2	-	-	-	-	2	4	-	-	
VENTURA	-	-	-	-	-	-	-	3	-	-	
YOLC	-	-	-	14	-	-	-	-	-	-	
YUBA	-	-	-	4	-	-	-	-	-	-	
ALL OTHERS	9	16	9	4	3	-	2	2	10	6	
TOTAL	100	100	100	100	100	100	100	100	100	100	

TABLE 7-E

WHERE METROPOLITAN AREA DEER HUNTERS BAGGED THEIR DEER - 1969

EXPRESSED IN PERCENT OF BAG BY METROPOLITAN AREA HUNTERS IN THE COUNTIES THEY HUNTED

(STATE BAG 114,300)

PERCENTAGE OF STATE BAG	(11%)	(4%)	(2%)	(4%)	(4%)	(4%)	(6%)	(3%)	(3%)	(5%)	(1%)
	SAN JOSE	STOCKTON	SACTO.	CHICO	REDDING	EUREKA	FRESNO	BKSFLD.	L. A.	S. DIEGO	
	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	
	BAY AREA	SAN JOSE	SAN	SACRA-		HUM-			L.A. &	SAN	
	ALAMEDA	AREA	JOAQUIN	MENTO	BUTTE	BOLDT	FRESNO	KERN	ORANGE	DIEGO	
	S.F.	CLARA	COUNTY	COUNTY	COUNTY	SHASTA	COUNTY	COUNTY	COUNTY	COUNTY	
	CON.COSTA	COUNTY									
	COUNTIES										
ALAMEDA	6	-	-	-	-	-	-	4	-	-	-
ALPINE	2	-	23	8	-	-	-	-	-	-	-
AMADOR	-	-	4	-	-	-	-	-	-	-	-
BUTTE	-	-	-	3	35	-	-	4	-	-	-
CALAVERAS	3	-	18	3	-	-	-	-	-	-	-
COLUSA	3	-	-	-	3	-	-	-	-	-	-
CONTRA COSTA	4	3	-	-	-	-	-	-	-	-	-
EL DORADO	3	-	-	22	3	-	-	-	-	2	-
FRESNO	-	-	-	-	-	-	-	48	-	6	-
GLENN	-	3	-	-	-	-	-	-	-	-	-
HUMBOLDT	-	-	-	5	-	5	67	-	4	10	-
INYO	-	-	-	-	-	-	-	4	4	4	-
KERN	-	-	-	-	-	-	-	-	56	2	-
LAKE	5	5	4	2	-	-	-	-	-	-	-
LASSEN	3	-	-	11	3	2	-	4	-	-	-
LOS ANGELES	-	-	-	-	-	-	-	-	-	22	-
MADERA	-	-	-	-	-	-	-	4	-	2	-
MARIN	4	-	-	-	-	-	-	-	-	-	-
MARIPOSA	-	-	-	-	-	-	-	4	-	-	-
MENDOCINO	24	14	4	5	10	2	7	-	-	2	-
MERCED	-	3	-	-	-	-	-	-	-	-	-
MODOC	3	-	4	-	3	14	-	7	4	-	-
MONO	2	-	-	-	-	-	-	-	-	4	-
MONTEREY	-	8	-	2	-	-	-	-	-	2	-
NAPA	4	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	4	-	-	-	-	-	-	-	7
ORANGE	-	-	-	-	-	-	-	-	-	6	-
PLACER	-	-	-	14	-	-	-	-	-	-	-
PLUMAS	2	-	-	14	5	-	-	-	-	4	-
RIVERSIDE	-	-	-	-	-	-	-	-	-	4	-
SAN BENITO	-	5	-	-	-	-	-	-	-	-	-
SAN BERNARDINO	-	-	-	-	-	-	-	-	-	2	-
SAN DIEGO	-	-	-	-	-	-	-	-	-	-	86
SAN JOAQUIN	-	-	14	-	-	-	-	-	-	2	-
SAN LUIS OBISPO	-	-	-	-	-	-	-	7	20	4	-
SANTA BARBARA	-	-	-	-	-	-	-	4	-	2	-
SANTA CLARA	3	35	-	-	-	-	-	-	-	-	-
SANTA CRUZ	-	3	-	-	-	-	-	-	-	-	-
SHASTA	3	3	4	3	5	48	2	4	-	-	-
SIERRA	2	-	-	3	3	-	-	-	-	-	-
SISKIYOU	3	3	-	-	-	12	2	-	4	-	-
SOLANO	-	-	4	-	-	-	-	-	-	-	-
SONOMA	5	5	-	-	-	-	-	-	-	-	-
STANISLAUS	2	2	-	-	-	-	-	-	-	-	-
TEHAMA	7	2	4	3	27	14	-	-	-	2	-
TRINITY	2	-	4	-	3	2	22	-	-	2	-
TULARE	-	-	-	-	-	-	-	7	4	4	7
TUOLUMNE	-	5	4	-	-	-	-	-	-	-	-
VENTURA	-	-	-	-	-	-	-	-	-	12	-
YOLO	2	-	-	-	-	-	-	-	-	-	-
ALL OTHERS	3	1	5	2	-	1	-	3	-	-	-
TOTAL	100	100	100	100	100	100	100	100	100	100	100

1969 Hunter Survey	Band-tailed Pigeons		Ducks		Geese	
	Bag	Hunters	Bag	Hunters	Bag	Hunters
1 ALAMEDA	600	100	78,700	3,100	100	400
2 ALPINE	-	-	-	-	-	-
3 AMADOR	1,700	100	3,200	600	2,100	500
4 BUTTE	5,100	800	216,100	15,400	44,900	9,400
5 CALAVERAS	500	200	6,400	800	2,700	400
6 COLUSA	600	100	411,900	24,200	70,600	14,300
7 CONTRA COSTA	-	-	45,100	3,900	2,000	1,400
8 DEL NORTE	3,300	200	21,600	1,700	-	-
9 EL DORADO	2,300	500	1,700	500	-	100
10 FRESNO	3,000	1,000	100,500	10,000	700	800
11 GLENN	1,200	200	190,800	12,400	59,300	6,900
12 HUMBOLDT	7,200	1,100	41,000	3,500	1,900	600
13 IMPERIAL	200	200	137,900	17,400	7,600	6,700
14 INYO	-	-	17,400	4,100	500	1,000
15 KERN	6,900	2,700	168,200	12,800	1,400	1,400
16 KINGS	-	-	11,300	1,000	600	400
17 LAKE	1,200	200	7,400	1,300	200	200
18 LASSEN	1,600	200	39,100	6,000	5,000	3,300
19 LOS ANGELES	1,800	700	12,500	1,300	100	200
20 MADERA	8,500	1,200	9,300	1,300	100	200
21 MARIN	800	200	45,000	1,900	4,500	400
22 MARIPOSA	700	400	-	-	-	-
23 MENDOCINO	25,200	2,300	10,000	1,700	-	400
24 MERCED	700	400	518,000	25,900	18,600	6,400
25 MODOC	-	-	43,100	7,300	23,200	5,700
26 MONO	-	-	14,600	1,400	1,700	500
27 MONTEREY	11,000	3,200	9,300	1,700	100	200
28 NAPA	500	500	28,900	2,100	500	200
29 NEVADA	8,900	500	400	100	-	-
30 ORANGE	800	200	12,400	700	-	-
31 PLACER	1,700	800	45,200	2,300	4,200	500
32 PLUMAS	600	100	7,600	1,200	700	600
33 RIVERSIDE	2,500	200	49,300	5,200	1,100	2,100
34 SACRAMENTO	500	100	79,800	5,700	9,900	3,600
35 San BENITO	-	100	2,600	400	-	-
36 San BERNARDINO	2,500	800	25,700	3,700	700	800
37 San DIEGO	2,900	1,200	35,800	4,500	100	100
38 San FRANCISCO	-	-	-	-	-	-
39 San JOAQUIN	1,900	500	106,100	6,700	20,400	4,200
40 San LUIS OBISPO	13,100	2,400	9,500	1,200	100	100
41 San MATEO	3,200	200	67,200	1,400	100	100
42 Santa BARBARA	600	800	2,700	400	100	100
43 Santa CLARA	2,000	1,100	22,100	1,900	100	200
44 Santa CRUZ	10,600	2,500	3,300	400	-	-
45 SHASTA	24,700	3,100	33,200	3,700	4,400	2,000
46 SIERRA	700	100	6,600	200	800	200
47 SISKIYOU	12,500	2,000	127,400	12,600	45,900	11,100
48 SOLANO	700	200	285,300	17,500	5,400	2,400
49 SONOMA	13,100	1,800	21,500	2,300	100	100
50 STANISLAUS	1,200	200	50,000	2,600	5,700	1,300
51 SUTTER	100	100	125,000	10,000	13,100	4,400
52 TEHAMA	1,100	200	22,500	2,000	1,400	700
53 TRINITY	4,600	1,000	1,900	500	-	-
54 TULARE	13,200	3,100	21,200	2,600	100	400
55 TUOLUMNE	100	400	1,100	400	700	100
56 VENTURA	1,100	600	35,400	2,700	500	400
57 YOLO	500	100	84,800	6,200	6,800	2,500
58 YUBA	4,200	700	61,900	3,500	2,700	1,600
UNKNOWN	1,700	2,000	76,000	12,300	3,100	800
	215,900		3,612,500		376,600	

1969 Hunter Survey		Chukar		Sage Grouse		Ruffed Grouse	
		Bag	Hunters	Bag	Hunters	Bag	Hunters
1	ALAMEDA						
2	ALPINE						
3	AMADOR						
4	BUTTE	-	100			-	100
5	CALAVERAS						
6	COLUSA						
7	CONTRA COSTA						
8	DEL NORTE					-	100
9	EL DORADO					200	100
10	FRESNO	1,300	1,100			400	500
11	GLENN						
12	HUMBOLDT					2,200	1,000
13	IMPERIAL						
14	INYO	7,300	3,300			-	100
15	KERN	36,300	15,600			-	100
16	KINGS	500	200				
17	LAKE					600	100
18	LASSEN	17,400	4,200	1,400	1,400	200	200
19	LOS ANGELES	400	700				
20	MADERA	200	100				
21	MARIN						
22	MARIPOSA						
23	MENDOCINO					200	200
24	MERCED	400	100				
25	MODOC	600	200	1,800	1,400	-	100
26	MONO	1,700	800			-	100
27	MONTEREY						
28	NAPA						
29	NEVADA					200	100
30	ORANGE						
31	PLACER						
32	PLUMAS	100	100				
33	RIVERSIDE	1,900	700				
34	SACRAMENTO						
35	San BENITO	-	100				
36	San BERNARDINO	20,600	9,700				
37	San DIEGO	100	100				
38	San FRANCISCO						
39	San JOAQUIN						
40	San LUIS OBISPO	1,200	400				
41	San MATEO						
42	Santa BARBARA	-	100				
43	Santa CLARA						
44	Santa CRUZ						
45	SHASTA	-	100				
46	SIERRA						
47	SISKIYOU					500	600
48	SOLANO						
49	SONOMA						
50	STANISLAUS						
51	SUTTER						
52	TEHAMA					100	100
53	TRINITY					200	400
54	TULARE	100	100			-	200
55	TUOLUMNE						
56	VENTURA						
57	YOLO						
58	YUBA						
	Unknown	900	2,400	-	200	200	600
		91,000		3,200		5,000	

1969		Jackrabbits		Cottontail		Tree Squirrel	
Hunter Survey		Bag	Hunters	Bag	Hunters	Bag	Hunters
1	ALAMEDA	17,500	2,100	5,200	800	-	100
2	ALPINE	1,800	200	400	200	1,200	200
3	AMADOR	2,000	400	600	100	3,600	1,000
4	BUTTE	55,000	4,900	600	200	11,700	3,000
5	CALAVERAS	3,100	800	600	500	4,400	1,700
6	COLUSA	6,800	2,300	-	-	200	100
7	CONTRA COSTA	12,300	2,500	600	200	200	200
8	DEL NORTE	2,400	100	1,800	100	800	200
9	EL DORADO	4,300	1,300	2,300	700	9,100	3,200
10	FRESNO	73,900	7,900	19,000	4,400	10,100	3,300
11	GLENN	12,400	1,400	-	-	8,200	700
12	HUMBOLDT	17,200	2,400	2,900	1,200	19,300	3,100
13	IMPERIAL	14,200	3,000	10,700	3,900	-	-
14	INYO	13,600	2,900	4,400	2,400	100	100
15	KERN	233,600	20,400	90,100	16,500	6,700	3,200
16	KINGS	22,800	2,300	2,300	1,000	500	200
17	LAKE	20,500	2,500	1,100	600	8,700	2,300
18	LASSEN	31,300	2,900	14,000	3,500	2,300	700
19	LOS ANGELES	76,900	11,700	49,100	10,100	100	100
20	MADERA	39,600	2,900	8,300	1,600	4,800	1,800
21	MARIN	2,600	800	1,000	200	-	100
22	MARIPOSA	-	-	2,600	200	8,400	1,800
23	MENDOCINO	7,400	1,700	2,100	600	10,700	2,400
24	MERCED	92,300	6,200	12,400	2,000	100	200
25	MODOC	20,300	1,600	8,900	1,900	100	100
26	MONO	2,900	500	1,700	500	-	-
27	MONTEREY	54,300	2,700	21,500	3,500	9,500	2,000
28	NAPA	12,900	2,300	200	100	2,700	1,100
29	NEVADA	3,500	700	400	200	6,800	2,000
30	ORANGE	5,400	1,200	6,000	1,400	-	-
31	PLACER	17,900	2,900	3,700	1,000	6,000	2,000
32	PLUMAS	-	100	-	-	4,800	1,300
33	RIVERSIDE	72,500	9,800	68,400	11,700	-	-
34	SACRAMENTO	29,900	5,400	3,100	1,000	400	200
35	San BENITO	9,800	1,000	5,000	1,000	-	-
36	San BERNARDINO	265,900	18,000	72,100	13,600	800	400
37	San DIEGO	24,000	5,000	60,500	7,300	100	100
38	San FRANCISCO	-	-	-	-	-	-
39	San JOAQUIN	78,100	7,900	3,500	1,400	1,000	400
40	San LUIS OBISPO	15,400	2,400	9,400	2,300	1,200	500
41	San MATEO	2,900	500	10,500	1,000	100	100
42	Santa BARBARA	21,200	1,300	14,400	1,700	-	-
43	Santa CLARA	11,200	1,600	2,900	1,000	2,900	700
44	Santa CRUZ	1,100	400	14,300	1,600	2,100	700
45	SHASTA	5,500	1,900	1,100	800	18,300	4,900
46	SIERRA	1,000	400	100	100	2,900	400
47	SISKIYOU	22,800	1,900	4,300	1,100	9,800	2,000
48	SOLANO	28,000	3,900	-	-	1,000	400
49	SONOMA	27,400	4,100	700	600	18,100	2,700
50	STANISLAUS	32,900	4,700	11,300	2,000	1,000	400
51	SUTTER	26,100	2,900	1,100	500	1,300	200
52	TEHAMA	17,500	1,900	-	100	9,100	2,100
53	TRINITY	2,700	600	-	-	13,200	3,200
54	TULARE	42,400	3,900	11,900	2,500	10,500	4,400
55	TUOLUMNE	1,700	1,000	2,600	500	12,100	4,100
56	VENTURA	42,500	3,200	50,100	4,500	700	200
57	YOLO	92,300	5,600	1,800	600	500	400
58	YUBA	13,400	1,800	700	200	2,100	1,000
	UNKNOWN	19,400	5,600	4,600	4,300	3,100	3,900
		1,788,300		628,900		253,400	

1969		Jacksnipes		Coots	
Hunter Survey		Bag	Hunters	Bag	Hunters
1	ALAMEDA	-	-	2,500	400
2	ALPINE	-	-	-	-
3	AMADOR	-	-	2,400	100
4	BUTTE	2,300	800	99,000	2,700
5	CALAVERAS	-	-	-	-
6	COLUSA	6,700	1,200	26,200	2,900
7	CONTRA COSTA	1,400	100	2,400	500
8	DEL NORTE	1,300	200	1,000	100
9	EL DORADO	-	-	800	200
10	FRESNO	-	-	17,300	1,800
11	GLENN	1,300	200	14,200	1,000
12	HUMBOLDT	7,400	1,100	15,100	1,600
13	IMPERIAL	400	100	34,200	3,500
14	INYO	500	100	14,000	1,000
15	KERN	11,500	800	81,800	2,500
16	KINGS	1,000	100	3,200	500
17	LAKE	600	200	5,000	500
18	LASSEN	-	100	8,300	600
19	LOS ANGELES	-	-	4,300	400
20	MADERA	800	200	2,600	200
21	MARIN	3,100	200	1,700	200
22	MARIPOSA	-	-	-	-
23	MENDOCINO	200	100	2,300	400
24	MERCED	14,000	1,100	165,300	4,100
25	MODOC	1,800	100	2,300	400
26	MONO	2,400	100	3,500	200
27	MONTEREY	400	400	13,200	700
28	NAPA	2,600	400	3,900	600
29	NEVADA	-	-	-	-
30	ORANGE	-	-	2,500	400
31	PLACER	700	100	2,600	400
32	PLUMAS	500	100	4,100	400
33	RIVERSIDE	600	100	2,900	500
34	SACRAMENTO	1,200	200	13,100	1,700
35	San BENITO	-	-	-	-
36	San BERNARDINO	-	-	2,700	700
37	San DIEGO	-	100	9,700	1,200
38	San FRANCISCO	-	-	-	-
39	San JOAQUIN	3,100	700	11,800	1,700
40	San LUIS OBISPO	-	-	500	100
41	San MATEO	-	-	2,900	500
42	Santa BARBARA	-	-	3,200	200
43	Santa CLARA	800	200	4,100	200
44	Santa CRUZ	-	-	1,100	200
45	SHASTA	2,000	600	10,300	700
46	SIERRA	-	-	-	-
47	SISKIYOU	200	100	4,800	700
48	SOLANO	11,100	1,200	18,500	2,400
49	SONOMA	3,300	400	1,400	200
50	STANISLAUS	3,000	600	9,900	1,200
51	SUTTER	2,300	200	44,600	1,900
52	TEHAMA	500	100	-	-
53	TRINITY	-	-	600	100
54	TULARE	2,100	400	10,900	500
55	TUOLUMNE	-	-	-	-
56	VENTURA	1,200	100	10,500	600
57	YOLO	2,500	400	14,800	1,200
58	YUBA	1,200	100	8,600	1,100
	Unknown	800	200	11,900	1,100
		96,800		734,500	

1969		Pheasants		Quail		Doves	
Hunter Survey		Bag	Hunters	Bag	Hunters	Bag	Hunters
1	ALAMEDA	5,000	2,700	25,800	2,400	32,100	3,200
2	ALPINE	-	-	-	100	-	-
3	AMADOR	1,700	600	20,600	1,900	21,400	1,400
4	BUTTE	57,000	17,200	63,200	6,100	151,100	8,400
5	CALAVERAS	600	100	23,400	2,600	22,800	1,700
6	COLUSA	47,100	15,500	8,100	1,900	87,900	5,200
7	CONTRA COSTA	11,600	4,900	7,500	700	68,700	6,100
8	DEL NORTE	-	-	2,000	500	-	-
9	EL DORADO	-	-	45,300	4,200	14,900	2,000
10	FRESNO	51,200	20,300	105,000	9,400	376,900	18,400
11	GLENN	27,400	9,300	8,900	1,900	62,000	4,200
12	HUMBOLDT	-	-	34,700	3,700	1,700	400
13	IMPERIAL	20,400	13,100	46,300	9,100	372,500	27,900
14	INYO	6,400	2,600	9,900	3,900	45,400	2,500
15	KERN	12,600	6,200	199,400	23,600	346,700	21,100
16	KINGS	14,100	5,100	19,200	2,000	100,300	4,900
17	LAKE	1,200	500	35,300	4,100	54,600	3,100
18	LASSEN	5,600	2,100	22,100	3,700	52,000	4,100
19	LOS ANGELES	1,200	1,000	109,000	15,300	125,900	10,400
20	MADERA	15,500	6,000	66,600	5,100	74,000	4,900
21	MARIN	8,400	1,900	7,500	1,000	20,200	1,400
22	MARIPOSA	-	-	16,600	2,100	5,500	400
23	MENDOCINO	-	-	77,900	6,100	25,400	2,300
24	MERCED	53,300	18,400	27,200	3,900	216,200	9,100
25	MODOC	6,200	3,500	14,900	1,800	17,400	1,700
26	MONO	1,400	200	3,300	500	8,200	700
27	MONTEREY	1,000	1,100	46,900	5,000	88,400	6,200
28	NAPA	1,300	1,200	29,200	2,700	23,700	2,000
29	NEVADA	-	-	30,800	3,500	6,600	1,300
30	ORANGE	500	400	33,900	2,700	45,400	2,900
31	PLACER	16,000	4,400	43,100	5,100	41,900	3,600
32	PLUMAS	-	-	11,300	1,600	3,600	500
33	RIVERSIDE	7,600	2,700	118,500	14,400	219,400	18,500
34	SACRAMENTO	40,300	16,800	16,300	2,600	83,700	7,500
35	San BENITO	1,000	1,000	49,300	2,000	44,000	2,700
36	San BERNARDINO	10,500	1,600	117,600	16,500	159,000	11,600
37	San DIEGO	6,400	1,600	103,600	10,500	121,300	9,100
38	San FRANCISCO	-	-	-	-	-	-
39	San JOAQUIN	43,500	18,700	29,800	4,700	132,100	10,600
40	San LUIS OBISPO	1,300	400	57,500	6,100	72,300	5,200
41	San MATEO	1,600	1,000	8,000	1,300	16,900	1,000
42	Santa BARBARA	-	-	42,900	4,100	45,800	3,000
43	Santa CLARA	4,500	2,100	26,000	3,100	63,600	4,400
44	Santa CRUZ	800	600	33,800	2,300	26,600	2,000
45	SHASTA	1,200	1,400	87,300	8,200	46,900	3,800
46	SIERRA	-	-	3,700	500	3,600	100
47	SISKIYOU	9,800	5,100	15,300	3,200	61,200	3,700
48	SOLANO	34,500	10,500	5,600	1,400	37,100	4,100
49	SONOMA	10,000	4,500	57,000	6,600	61,000	5,100
50	STANISLAUS	43,100	16,000	39,000	5,000	138,300	8,200
51	SUTTER	43,700	14,900	6,700	1,400	75,900	4,200
52	TEHAMA	9,500	5,000	30,700	3,300	77,900	4,300
53	TRINITY	-	-	100	200	-	-
54	TULARE	24,700	9,900	94,100	8,800	321,800	13,600
55	TUOLUMNE	-	-	24,500	2,900	14,000	1,300
56	VENTURA	-	100	85,500	8,100	98,400	4,200
57	YOLO	52,700	17,700	9,900	1,700	91,000	7,400
58	YUBA	15,000	5,500	27,400	2,600	36,300	2,400
	Unknown	13,500	12,400	28,700	8,200	118,800	11,000
	TOTAL	741,900		2,313,700		4,680,300	

1969		Deer		Bear		Boar	
Hunter Survey		Bag	Hunters	Bag	Hunters	Bag	Hunters
1	ALAMEDA	800	2,500	-	-	-	-
2	ALPINE	1,400	13,500	100	600	-	-
3	AMADOR	400	4,900	-	100	-	-
4	BUYTE	2,400	14,100	100	1,200	100	100
5	CALAVERAS	1,300	9,300	-	500	-	-
6	COLUSA	1,300	2,500	-	100	-	-
7	CONTRA COSTA	600	1,300	-	-	-	-
8	DEL NORTE	200	2,000	-	700	-	-
9	EL DORADO	3,100	17,200	100	1,300	-	-
10	FRESNO	2,000	15,500	-	1,700	400	500
11	GLENN	1,200	5,700	-	200	-	-
12	HUMBOLDT	6,600	15,700	500	1,200	200	700
13	IMPERIAL	-	600	-	-	-	-
14	INYO	500	8,100	-	700	-	-
15	KERN	2,500	18,800	-	1,300	-	-
16	KINGS	100	1,000	-	100	-	100
17	LAKE	2,700	13,800	-	200	800	600
18	LASSEN	3,600	24,900	-	200	-	-
19	LOS ANGELES	1,400	15,900	-	-	-	100
20	MADERA	1,600	10,400	-	700	-	-
21	MARIN	2,000	2,700	-	-	-	-
22	MARIPOSA	800	8,000	-	1,000	-	-
23	MENDOCINO	11,700	24,800	-	800	2,300	1,800
24	MERCED	500	1,700	-	100	500	100
25	MODOC	3,100	21,400	-	100	-	-
26	MONO	700	13,500	100	1,200	-	-
27	MONTEREY	4,100	10,700	-	-	2,300	8,000
28	NAPA	2,600	7,200	-	-	-	-
29	NEVADA	1,700	11,800	-	800	-	-
30	ORANGE	400	2,300	-	-	-	-
31	PLACER	1,600	11,700	-	600	-	-
32	PLUMAS	3,300	22,100	100	1,300	-	-
33	RIVERSIDE	200	4,100	-	-	-	-
34	SACRAMENTO	-	200	-	-	-	-
35	San BENITO	2,700	4,700	-	-	800	1,400
36	San BERNARDINO	700	8,800	-	200	-	-
37	San DIEGO	1,700	10,000	-	-	-	-
38	San FRANCISCO	-	-	-	-	-	-
39	San JOAQUIN	500	1,000	-	-	-	-
40	San LUIS OBISPO	3,300	8,100	-	-	1,400	2,000
41	San MATEO	-	200	-	-	-	-
42	Santa BARBARA	2,400	6,700	-	100	1,400	1,400
43	Santa CLARA	2,000	5,100	-	100	400	600
44	Santa CRUZ	400	1,900	-	-	-	400
45	SHASTA	4,100	19,800	400	2,400	-	200
46	SIERRA	1,200	9,800	-	200	-	-
47	SISKIYOU	7,000	20,300	800	3,300	-	100
48	SOLANO	1,000	1,900	-	-	200	100
49	SONOMA	3,500	9,300	-	-	3,800	2,300
50	STANISLAUS	600	5,700	-	200	-	-
51	SUTTER	-	500	-	-	-	-
52	TEHAMA	6,100	20,800	400	1,100	700	500
53	TRINITY	3,800	15,700	200	2,300	100	200
54	TULARE	1,800	14,600	-	2,300	-	-
55	TUOLUMNE	1,300	15,200	-	800	-	-
56	VENTURA	1,200	10,400	-	100	-	100
57	YOLO	1,300	3,300	-	-	-	100
58	YUBA	600	4,100	-	100	-	-
	Unknown	700	62,500	200	4,500	500	1,900
	TOTAL	114,300		3,000		15,900	