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95814

REPORT OF THE 1965 GAME TAKE HUNTER SURVEY

Hunter game take questionnaires were mailed to 10,440 hunting licensees on January 13, 1966, after the close of the 1965-66 general waterfowl season. This was a sample of about one and one-half percent of the hunting licensees and was selected randomly.

A total of 4,803 usable questionnaires was returned and represented a hunter response of 46 percent.

It is of importance to realize that, due to the statistical bias inherent in surveys of this type, the principal value of the total bag figures included in this report is in their indication of game bag trends - how does this season compare with last season and with long-range trends?

The estimated total hunting license sales divided by the number of questionnaires returned provided the projection factor for calculating total figures. The projection factor used for the 1965-66 hunting season calculations was  $698,000 \div 4,803 = 145.3$ .

<u>HUNTING LICENSE SALES</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Hunting Licenses	698,000	688,009	+ 1%
Deer Tags	417,000	407,323	+ 2%
Pheasant Tags	195,000	200,280	- 3%
Bear Tags	30,200	27,403	+ 10%
Duck Stamps	Not Available	135,291	

HUNTING REGULATION CHANGES

1. PHEASANTS

- A. In Merced, Madera, Fresno, Kings, Tulare and Kern counties the pheasant season was opened three weeks later than the remainder of the state, running from December 11 through December 26.

2. QUAIL

- A. The season in northeastern California opened on October 9, 1965, three weeks earlier than in 1964.
- B. Plumas County was removed from the northeastern California season and placed in the later general quail season.

- C. The counties of Marin, Sonoma, Mendocino, Lake, Humboldt, Del Norte, Trinity and portions of Napa, Solano, Yolo, Colusa, Glenn, Tehama, Shasta and Siskiyou had a season October 9, 1965 through January 2, 1966, with the balance of the state opening October 30, 1965, and closing January 2, 1966.

3. CHUKAR PARTRIDGE

- A. Portions of Lassen, Plumas and Sierra counties opened on October 9, 1965, three weeks earlier than 1964.
- B. Portions of Lassen and Plumas counties were placed in the late opening season, October 30, 1965 through January 2, 1966.
- C. Portions of the counties of Solano, Yolo, Colusa, Glenn, Tehama and Shasta were placed in an additional season which ran from October 9, 1965 through January 2, 1966.

4. DOVES

- A. A split season was put in effect for 1965, September 1 through 30 and December 10 through 19, except in the counties of Los Angeles, Orange and San Diego; and portions of Imperial, Riverside, San Bernardino and Ventura where the seasons were September 4 through October 3 and December 10 through 19.

5. TREE SQUIRRELS

- A. Plumas County was removed from the early season and placed in the October 30, 1965 through January 2, 1966 season.

6. RABBITS (BRUSH/COTTONTAIL)

- A. Plumas County and a portion of Lassen County were withdrawn from the short northeastern California season and placed in the season which ran from September 1, 1965 through January 2, 1966.

7. DEER

- A. All of Los Angeles County was removed from the early season and placed in the late season.
- B. The late season in the counties of Del Norte, Trinity, and portions of Siskiyou, Shasta, Tehama, Glenn and Humboldt was September 18 through October 31; the late season in District 1 3/4 was September 18 through October 10. The balance of the late season was September 18 through November 7.

The following tables are appended to this report.

- 1. Summary of Statewide Game Bag - 1965.
- 2. Ten Leading Counties in Bag of Pheasants, Quail, Doves, Band-tailed Pigeons, Jackrabbits, Cottontail/Brush Rabbits, Ducks and Geese.

3. Regional Major Game Species Bag - 1964-65.
4. Preferred Game Species as Reported by Questionnaire Respondents - 1965.
5. Hunter Success Summary - 1954-1965.
6. Mailing and Return of Questionnaires by County Residence - 1965.

#### BAG BY SPECIES

##### UPLAND GAME

<u>PHEASANTS</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	665,900	783,500	- 15%
Hunters Reported	216,500	227,800	- 5%
Average Seasonal Bag	3.1	3.4	- 0.3
Total Days Hunted	695,100	773,000	- 10%
Average Days Hunted	3.2	3.3	- 0.1

The 1965 pheasant season featured a decline of 15 percent in the hunter bag accompanied by a 5 percent drop in hunter participation below 1964 pheasant season results.

Pheasant populations statewide were reported as being generally about the same as were present in 1964.

Though the drop in the pheasant take was generally of a statewide nature, the principal decline, 42 percent below 1964 totals, was apparent in the San Joaquin Valley area in which the experimental December 11 - 26 season was in effect as opposed to the general statewide season of November 20 - December 5. Rains, which delayed the harvest of many crops, contributed to the closure of much of the agricultural land which would otherwise have been open to public hunting. This same area, which had produced about 24 percent of the statewide bag in 1964, accounts for only about 16 percent of the kill in 1965.

<u>QUAIL</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	2,314,300	2,747,700	- 16%
Hunters Reported	204,900	205,500	- 0.3%
Average Seasonal Bag	11.3	13.4	- 2.1
Total Days Hunted	799,900	No Data	--
Average Days Hunted	3.9	No Data	--

In 1965 with approximately the same hunter participation that was reported in 1964, the hunter bag dropped 16 percent from the bag reported in 1964.

According to field reports, quail populations in 1965 were comparable with those which were present in 1964. An abundance of water and green feed tended to disperse quail concentrations and it is felt this dispersion of birds contributed to the drop in the quail bag.

<u>DOVES</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	4,451,300	4,911,800	- 9%
Hunters Reported	232,500	249,100	- 7%
Average Seasonal Bag	19.1	19.7	- 0.6
Total Days Hunted	896,100	882,400	+ 2%
Average Days Hunted	3.9	3.5	+ 0.4

The dove population in 1965 was estimated to be about equal to the population reported for 1964. An abundance of doves was reported in desert locations which sustain lighter hunting pressure than the agricultural lands where large concentrations of doves are more accessible to hunters.

The country south of the Tehachapi Mountains showed the greatest drop in the 1965 dove kill compared with 1964 records. Imperial County, the perennial leader in the dove bag statewide, recorded a 23 percent drop from the kill reported in 1964.

More days hunted by fewer hunters (in 1965) indicate higher hunter effort and generally lower hunter success than was recorded in 1964.

The split dove season in 1965 was the first such season in California since 1954. The 1954 season had two parts of 20 days each; they were September 1 - 20 and October 12 - 31. In 1965 the September portion was 30 days in length, September 1 - 30 in most of the state and September 4 - October 3 in the southern area. The December season was of 10 day's duration, December 10-19, statewide. Comparison of the proportions of the statewide dove bag taken during the parts of the split seasons of 1954 and 1965 follows:

	<u>1965</u>	<u>1954</u>	
September	94%	89%	
October	-	11%	
December	6%	-	
	100%	100%	
<u>BAND-TAILED PIGEONS</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	206,600	242,500	- 15%
Hunters Reported	28,800	36,700	- 22%
Average Seasonal Bag	7.2	6.6	+ 0.6
Total Days Hunted	84,700	82,000	+ 3%
Average Days Hunted	2.9	2.2	+ 0.7

The 15 percent drop in the band-tailed pigeon bag during the 1965 season from the harvest figures recorded in 1964 was apparent in some of the areas of past abundance. Monterey County, with about 28 percent of the statewide pigeon bag, was again the leader but a shift of pigeon concentrations from some of the traditional pigeon habitat in the coastal counties to the foothill regions on the west side of the Sierra Nevada was evident according to survey respondents and field reports.

<u>CHUKAR PARTRIDGE</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	55,200	61,500	- 10%
Hunters Reported	22,800	22,000	+ 4%
Average Seasonal Bag	2.4	2.8	- 0.4
Total Days Hunted	62,300	No Data	--
Average Days Hunted	2.7	No Data	--
<u>SAGE GROUSE</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	7,400	10,400	- 29%
Hunters Reported <i>2 days/bird</i>	7,100	8,100	- 12%
Average Seasonal Bag	1.1	1.3	- 0.2
<u>SIERRA/RUFFED GROUSE</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag <i>2 day/bird</i>	1,900 <i>600</i>	2,600	- 27%
<u>JACKRABBITS</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	2,211,500	3,232,500	- 32%
Hunters Reported	136,400	163,700	- 17%
Average Seasonal Bag	16.2	19.7	- 3.5
Total Days Hunted	1,147,400	No Data	--
Average Days Hunted	8.4	No Data	--

The drop in the 1965 jackrabbit bag was most evident in traditional areas of past abundance in the southern San Joaquin Valley.

Fluctuation in the size of jackrabbit populations and in their concentration or dispersion are cyclic conditions which occur frequently and it is felt contributed to the 32 percent decline in 1965 bag figures compared with the record kill of 1964.

<u>COTTONTAIL/BRUSH RABBITS</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	797,100	1,231,900	- 35%
Hunters Reported	110,900	138,200	- 20%
Average Seasonal Bag	7.2	8.9	- 1.2
Total Days Hunted	553,400	592,700	- 7%
Average Days Hunted	5.0	4.3	+ 0.7

The San Joaquin Valley and southern California, which have traditionally produced the major part of the cottontail bag statewide, reported the most significant decrease in the 1965 bag below 1964 totals.

<u>TREE SQUIRRELS</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	152,700	119,000	+ 28%
Hunters Reported	45,000	37,500	+ 20%
Average Seasonal Bag	3.4	3.2	+ 0.2
Total Days Hunted	156,000	No Data	--
Average Days Hunted	3.5	No Data	--

Field reports had indicated an increase in tree squirrel populations. Apparently this fact and the increased hunter pressure were contributing factors to the 28 percent higher squirrel kill reported in 1965.

#### WATERFOWL

<u>DUCKS</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	2,475,000	2,359,900	+ 5%
Hunters Reported	159,500	169,400	- 6%
Average Seasonal Bag	15.5	13.9	+ 1.6
Total Days Hunted	1,049,900	1,158,000	- 9%
Average Days Hunted	6.6	6.8	- 0.2

The 5 percent increase in the 1965 duck bag over 1964 figures was accompanied by a decrease in the number of hunters afield during 1965 compared with 1964.

Hunting conditions were more favorable in 1965 than the flood-dominated season of 1964. Duck numbers were about the same last season as were present in 1964, but with no flooding the birds remained on their regular habitat and were more available to hunters throughout the season.

The duck kill on State waterfowl management areas and Federal waterfowl refuges in 1965 showed an increase of 27 percent over the bag on the same areas in 1964.

Duck hunters on private and commercial gun clubs accounted for about 41 percent of the statewide duck kill.

<u>GEESE</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	247,000	387,000	- 36%
Hunters Reported	71,800	84,400	- 15%
Average Seasonal Bag	3.4	4.6	- 1.2

#### BIG GAME

<u>DEER (Survey)</u>	<u>1965</u>	<u>1964</u>	<u>Change From 1964</u>
Statewide Bag	128,200	138,700	- 8%
Hunters Reported	424,000	438,700	- 3%
Total Days Hunted	3,288,900	3,524,500	- 7%
Average Days Hunted	7.8	8.0	- 0.2

In 1965 survey respondents reported a deer kill of 128,200, eight percent lower than the 138,700 buck deer reported taken in 1964.

The buck kill as determined from returned deer tags has consistently been about half the figure obtained by the questionnaire. In 1965 the tag count was 61,224 or 48 percent of the questionnaire figure. In 1964 the tag count was 66,584, also 48 percent of the questionnaire figure.

#### Deer Hunting in Relation to Landownership

In 1953 hunter survey participants were asked to indicate the man-days of deer hunting effort they had expended on (1) National Forest Lands, (2) Other Government Lands, and (3) Private Property; in 1965 the same request was made and comparative results are presented here:

	<u>1965</u>	<u>1953</u>
National Forest Lands	53%	50%
Other Government Lands	12%	12%
Private Property	35%	38%
	100%	100%

Data tabulated indicated that 20 percent of the successful deer hunters took two deer.

A total of 28,500 hunters reported archery deer hunting effort

TABLE I

## SUMMARY OF STATEWIDE GAME BAG - 1965

<u>Species</u>	<u>Yearly Avg. 1952-63</u>	<u>1964</u>	<u>1965</u>	<u>% Change From 1964</u>
Pheasants	673,500	783,500	665,900	- 15
Quail	1,939,300	2,747,700	2,314,300	- 16
Doves	4,229,700	4,911,800	4,451,300	- 9
Chukar Partridge	41,700	61,500	55,200	- 10
Sierra & Ruffed Grouse	4,800*	2,600	1,900	- 27
Sage Grouse	8,900**	10,400	7,400	- 29
Band-tailed Pigeons	257,300	242,500	206,600	- 15
Jackrabbits	1,374,500	3,232,500	2,211,500	- 32
Cottontail/Brush Rabbits	545,500	1,231,900	797,100	- 35
Tree Squirrels	82,700	119,000	152,700	+ 28
Ducks	2,155,400	2,359,900	2,475,000	+ 5
Geese	324,500	387,000	247,000	- 36
Jacksnipes	42,800	57,400	40,700	- 29
Coots	254,300	341,500	331,600	- 3
Buck Deer (Hunter Survey)	123,500	138,700	128,200	- 8
Buck Deer (Tag Count)	65,982	66,584	61,224	- 8
Bears (Hunter Survey)	1,900	2,200	4,100	+ 86
Bears (Tag County)	812	670	1,281	+ 91
European Wild Pig	4,000***	7,300	13,000	+ 78

\* 3-year average, no season 1961-62

\*\* 2-year average, no season 1960-61-62

\*\*\* 1959 Monterey only



TABLE II  
GAME BAG - 1965  
(TEN LEADING COUNTIES)

<u>PHEASANTS</u>	<u>% OF STATE TOTAL</u>	<u>POSITION 1964</u>	<u>JACKRABBITS</u>	<u>% OF STATE TOTAL</u>	<u>POSITION 1964</u>
1. BUTTE	10.0	5	1. KERN	15.0	1
2. YOLO	9.8	7	2. SAN BERNARDINO	8.7	6
3. COLUSA	8.2	2	3. LOS ANGELES	6.1	8
4. SAN JOAQUIN	6.8	8	4. RIVERSIDE	5.6	7
5. STANISLAUS	6.2	9	5. FRESNO	5.1	2
6. SUTTER	6.2	3	6. VENTURA	4.5	16
7. FRESNO	5.7	1	7. KINGS	4.4	12
8. SACRAMENTO	5.5	4	8. MERCED	3.4	5
9. MERCED	5.2	6	9. STANISLAUS	3.2	27
10. GLENN	4.0	10	10. SAN DIEGO	3.1	10
ALL OTHERS	32.4		ALL OTHERS	40.9	
TOTAL	100.0		TOTAL	100.0	
<u>QUAIL</u>			<u>RABBITS (COTTONTAIL AND BRUSH)</u>		
1. KERN	13.0	1	1. RIVERSIDE	14.8	1
2. RIVERSIDE	8.9	2	2. SAN DIEGO	14.2	3
3. SAN DIEGO	6.2	3	3. SAN BERNARDINO	11.4	2
4. FRESNO	5.8	4	4. KERN	11.1	4
5. TULARE	4.9	6	5. LOS ANGELES	9.1	6
6. LOS ANGELES	4.3	5	6. VENTURA	3.8	5
7. SAN BERNARDINO	4.3	7	7. MONTEREY	3.3	14
8. MADERA	4.0	14	8. FRESNO	2.7	7
9. SANTA BARBARA	3.7	9	9. IMPERIAL	2.4	12
10. VENTURA	2.7	8	10. SAN LUIS OBISPO	2.4	16
ALL OTHERS	42.2		ALL OTHERS	24.8	
TOTAL	100.0		TOTAL	100.0	
<u>DOVES</u>			<u>DUCKS</u>		
1. IMPERIAL	10.5	1	1. MERCED	18.5	1
2. FRESNO	9.1	2	2. COLUSA	12.5	2
3. TULARE	8.3	3	3. SOLANO	5.3	3
4. KERN	7.4	5	4. IMPERIAL	5.1	4
5. RIVERSIDE	5.8	4	5. HUMBOLDT	4.5	20
6. SAN DIEGO	5.2	7	6. BUTTE	4.2	5
7. STANISLAUS	4.6	8	7. SUTTER	4.0	8
8. MERCED	3.4	6	8. FRESNO	3.9	7
9. SAN JOAQUIN	3.0	11	9. GLENN	3.4	10
10. SAN BERNARDINO	2.5	9	10. KERN	3.3	14
ALL OTHERS	40.2		ALL OTHERS	35.3	
TOTAL	100.0		TOTAL	100.0	
<u>BAND-TAILED PIGEONS</u>			<u>GEESE</u>		
1. MONTEREY	27.8	1	1. COLUSA	25.7	1
2. SHASTA	7.3	5	2. SISKIYOU	17.9	2
3. MADERA	7.0	15	3. MODOC	10.2	6
4. EL DORADO	5.1	-	4. GLENN	7.2	3
5. MENDOCINO	4.8	6	5. BUTTE	5.9	4
6. TULARE	4.0	18	6. MERCED	5.4	5
7. AMADOR	3.9	23	7. SUTTER	4.2	8
8. RIVERSIDE	3.4	22	8. VENTURA YOLO	3.6	7
9. PLACER	3.2	9	9. SAN JOAQUIN	3.2	11
10. SANTA CRUZ	3.0	3	10. SACRAMENTO	2.1	9
ALL OTHERS	30.5		ALL OTHERS	14.6	
TOTAL	100.0		TOTAL	100.0	

TABLE III

[illegible]

TABLE IV

PREFERRED GAME SPECIES AS REPORTED BY  
QUESTIONNAIRE RESPONDENTS - 1965

Species	Percent			Number		
	Successful Hunters	Unsuccessful Hunters	Total Hunters	Successful Hunters	Unsuccessful Hunters	Total Hunters
Deer	17	50	67	106,800	317,200	424,000
Doves	35	2	37	220,100	12,400	232,500
Pheasants	25	9	34	157,900	58,600	216,500
Quail	27	5	32	172,800	32,100	204,900
Ducks	22	3	25	138,000	21,500	159,500
Jackrabbits	20	2	22	127,300	9,100	136,400
Cottontail/ Brush Rabbits	16	2	18	100,700	10,200	110,900
Geese	8	3	11	53,900	17,900	71,800
Tree Squirrels	6	1	7	37,000	8,000	45,000
Band-tailed Pigeons	4	1	5	22,100	6,700	28,800
Bears	T	4	4	2,600	22,400	25,000
Chukar Partridge	2	2	4	12,300	10,500	22,800
Coots	3	T	3	21,400	300	21,700
Wild Pigs	1	1	2	5,700	7,800	13,500
Sage Grouse	1	T	1	3,600	3,500	7,100
Jacksnipe	1	T	1	6,400	300	6,700
Sierra/Ruffed Grouse	T	T	T	1,200	1,600	2,800

TABLE V  
HUNTER SUCCESS  
-  
As Reported by Hunter Survey Respondents  
(In Percent)

	<u>Did Not Hunt</u>	<u>Hunted Unsuccessfully</u>	<u>Hunted Successfully</u>
1954	7.7	25.6	66.7
1955	10.0	22.9	67.1
1956	11.2	21.9	66.9
1957	12.0	21.6	68.1
1958	8.0	23.0	69.0
1959	7.4	27.3	65.3
1960	7.2	27.9	64.8
1961	8.2	27.7	64.1
1962	8.4	27.7	63.9
1963	8.6	25.0	66.4
1964	7.0	22.7	70.3
1965	9.8	23.5	66.7

TABLE VI

## MAILING AND RETURN OF QUESTIONNAIRES BY COUNTY OF RESIDENCE - 1965 HUNTER SURVEY

COUNTY	QUESTIONNAIRES MAILED	PERCENT OF TOTAL MAILED	NUMBER RETURNED	PERCENT RETURNED
ALAMEDA	500	4.8	231	46.2.
ALPINE	-	-	-	-
AMADOR	27	0.3	14	51.9
BUTTE	209	2.0	113	54.1
CALAVERAS	28	0.3	11	39.3
COLUSA	36	0.4	18	50.0
CONTRA COSTA	368	3.5	158	42.9
DEL NORTE	35	0.3	14	40.0
EL DORADO	78	0.8	29	37.2
FRESNO	409	3.9	191	46.7
GLENN	46	0.4	26	56.5
HUMBOLDT	203	1.9	86	42.4
IMPERIAL	70	0.7	22	31.4
INYO	30	0.3	19	63.3
KERN	345	3.3	158	45.8
KINGS	82	0.8	42	51.2
LAKE	47	0.5	29	61.7
LASSEN	53	0.5	22	41.5
LOS ANGELES	1,910	18.3	873	45.7
MADERA	73	0.7	39	53.4
MARIN	119	1.1	61	51.3
MARIPOSA	5	0.1	2	40.0
MENDOCINO	121	1.2	49	40.5
MERCED	132	1.3	55	41.7
MODOC	24	0.2	15	62.5
MONO	20	0.2	10	50.0
MONTEREY	168	1.6	75	44.6
NAPA	90	0.9	44	48.9
NEVADA	46	0.4	21	45.7
ORANGE	355	3.4	165	46.5
PLACER	92	0.9	50	54.3
PLUMAS	44	0.4	25	56.8
RIVERSIDE	158	1.5	78	49.4
SACRAMENTO	579	5.6	272	47.0
SAN BENITO	26	0.3	15	57.7
SAN BERNARDINO	256	2.5	115	44.9
SAN DIEGO	364	3.5	176	48.4
SAN FRANCISCO	202	1.9	97	48.0
SAN JOAQUIN	283	2.7	135	47.7
SAN LUIS OBISPO	117	1.1	57	48.7
SAN MATEO	280	2.7	142	50.7
SANTA BARBARA	135	1.3	58	43.0
SANTA CLARA	449	4.3	198	44.1
SANTA CRUZ	88	0.8	48	54.5
SHASTA	212	2.0	83	39.2
SIERRA	13	0.1	5	38.5
SISKIYOU	124	1.2	63	50.8
SOLANO	144	1.4	66	45.8
SONOMA	220	2.1	93	42.3
STANISLAUS	242	2.3	105	43.4
SUTTER	71	0.7	29	40.8
TEHAMA	77	0.7	38	49.4
TRINITY	24	0.2	9	37.5
TULARE	218	2.1	86	39.4
TUOLUMNE	46	0.4	17	37.0
VENTURA	143	1.4	57	39.9
YOLO	123	1.2	60	48.8
YUBA	78	0.8	33	42.3
OUT OF STATE	3	T	1	33.3
TOTAL	10,440	100.0	4,803	45.0

1965

COUNTY OF KILL  
BY SPECIES

	Pigeons	Hunters	Jackrabbit	Hunters	Cottontail	Hunters
1 ALAMEDA			27,300	1,300	4,200	1,000
2 ALPINE						
3 AMADOR	8,100	1,000	11,000	700	2,000	600
4 BUTTE	100	300	24,600	2,800	1,600	900
5 CALAVERAS	1,200	300	11,200	900	7,100	1,300
6 COLUSA			11,900	1,900	100	100
7 CONTRA COSTA			15,600	1,700	400	600
8 DEL NORTE	400	100				
9 EL DORADO	10,500	900	5,400	600	1,900	600
10 FRESNO	1,500	900	113,600	7,600	21,100	5,400
11 GLENN	100	100	16,000	1,200		
12 HUMBOLDT	4,100	600	4,500	700	3,300	400
13 IMPERIAL			18,700	2,500	19,300	3,500
14 INYO			11,300	1,900	10,800	2,300
15 KERN	1,500	400	331,000	18,900	88,500	14,400
16 KINGS	1,500	300	96,200	2,900	6,400	1,600
17 LAKE	-	100	24,400	1,300	1,000	300
18 LASSEN			54,200	1,600	5,100	1,000
19 LOS ANGELES		100	134,100	10,800	72,500	10,800
20 MADERA	14,500	1,700	39,400	2,300	7,600	1,500
21 MARIN	900	100	16,100	900	300	100
22 MARIPOSA	1,500	300	700	100		
23 MENDOCINO	10,000	1,700	19,900	1,700	4,200	700
24 MERCED			75,100	5,200	9,700	2,200
25 MODOC			7,600	1,300	1,600	1,000
26 MONO	-	100	1,600	700	3,800	1,300
27 MONTEREY	57,400	5,500	36,600	2,500	26,500	3,500
28 NAPA	600	100	9,000	1,300	400	100
29 NEVADA	-	300	1,600	400	1,700	600
30 ORANGE	2,900	100	15,400	1,500	14,000	2,200
31 PLACER	6,500	1,200	10,800	1,300	4,100	400
32 PLUMAS	3,200	400	10,300	1,200	1,200	300
33 RIVERSIDE	7,000	900	124,500	12,900	118,300	15,500
34 SACRAMENTO			66,400	4,500	7,700	1,900
35 San BENITO			17,200	700	7,300	1,000
36 San BERNARDINO	2,000	600	191,900	15,100	90,500	12,400
37 San DIEGO	4,300	900	69,300	7,300	113,300	11,800
38 San FRANCISCO						
39 San JOAQUIN			46,100	3,800	5,700	1,500
40 San LUIS OBISPO	2,200	300	49,000	2,500	19,000	1,700
41 San MATEO	1,200	100	900	300	5,400	400
42 Santa BARBARA	6,100	700	6,400	1,200	7,900	1,600
43 Santa CLARA	5,800	700	17,300	2,800	9,400	1,700
44 Santa CRUZ	6,200	1,700	10,300	400	6,100	1,300
45 SHASTA	15,000	900	26,700	2,200	600	100
46 SIERRA			2,900	400	100	300
47 SISKIYOU	3,200	400	19,000	300	2,000	600
48 SOLANO			16,700	1,500	300	100
49 SONOMA	2,300	1,300	13,400	1,700	1,300	300
50 STANISLAUS			71,300	3,500	8,600	1,300
51 SUTTER			26,900	2,200		
52 TEHAMA	400	100	22,500	1,500		
53 TRINITY	1,300	300				
54 TULARE	8,300	1,200	61,900	4,900	14,500	3,900
55 TUOLUMNE	5,400	600	4,500	700	1,600	300
56 VENTURA	-	600	100,600	4,600	30,500	5,700
57 YOLO			61,900	4,100	1,600	1,000
58 YUBA		100	7,700	1,300	100	400
NOT GIVEN	9,400	1,000	21,100	2,400	24,900	3,500
TOTAL	206,600		2,211,500		707,100	

1965 Bag COUNTY OF KILL  
BY SPECIES

		04	05	06		
		Chukar	Hunter	Sage Grouse	Hunter	Sierra/ Ruffed Grouse Hunter
1	ALAMEDA	300	100			
2	ALPINE	300	100			300 100
3	AMADOR					
4	BUTTE					
5	CALAVERAS					
6	COLUSA					
7	CONTRA COSTA					
8	DEL NORTE					100 100
9	EL DORADO					300 100
10	FRESNO	5,200	1,300			
11	GLENN					
12	HUMBOLDT					300 100
13	IMPERIAL		100			
14	INYO	6,000	2,300	100	100	100
15	KERN	25,000	11,900			
16	KINGS					
17	LAKE					
18	LASSEN	1,300	1,300	1,500	2,300	300 300
19	LOS ANGELES	1,900	300			
20	MADERA					
21	MARIN	300	100			
22	MARIPOSA					300 100
23	MENDOCINO					
24	MERCED					
25	MODOC			1,700	1,300	300
26	MONO		400	2,600	2,600	300
27	MONTEREY					
28	NAPA					
29	NEVADA					
30	ORANGE					
31	PLACER		100			
32	PLUMAS					600
33	RIVERSIDE	400	300	1,500	100	
34	SACRAMENTO					
35	San BENITO	1,700	600			
36	San BERNARDINO	6,700	2,300			
37	San DIEGO	300	400			
38	San FRANCISCO					
39	San JOAQUIN					
40	San LUIS OBISPO	200	100			
41	San MATEO					
42	Santa BARBARA					
43	Santa CLARA					
44	Santa CRUZ					
45	SHASTA					
46	SIERRA					
47	SISKIYOU			100	300	100 300
48	SOLANO	2,900	100			
49	SONOMA					
50	STANISLAUS	300	100			
51	SUTTER					
52	TEHAMA					
53	TRINITY					100 300
54	TULARE	100	400			300
55	TUOLUMNE					
56	VENTURA	1,700	300			
57	YOLO					
58	YUBA					
	NOT GIVEN	600	600			100 100
	TOTAL	55,200	7,400			1,000

COUNTY OF KILL  
BY SPECIES

1965 Bag

		Squirrel	Hunters	Ducks	Hunters	Geese	Hunters
1	ALAMEDA			27,600	1,600		
2	ALPINE	600	100	300	100		
3	AMADOR	4,100	1,000				
4	BUTTE	8,300	2,500	104,200	8,000	14,500	2,500
5	CALAVERAS	7,000	2,500	100	100		
6	COLUSA			309,300	23,200	63,500	15,700
7	CONTRA COSTA			67,400	3,300	2,200	1,300
8	DEL NORTE	100	300	14,200	1,200	100	100
9	EL DORADO	6,100	2,800	900	300		
10	FRESNO	5,800	2,200	97,200	9,200	300	300
11	GLENN	1,700	600	84,400	7,000	17,900	4,900
12	HUMBOLDT	6,700	1,600	110,400	3,200	1,500	700
13	IMPERIAL			125,700	13,700	3,200	4,400
14	INYO			21,900	2,200	600	600
15	KERN	1,900	400	82,000	6,700	100	700
16	KINGS			9,600	1,600		
17	LAKE	4,200	900	4,900	600		
18	LASSEN			16,700	2,900	3,500	1,900
19	LOS ANGELES	100	100	26,400	1,300	400	300
20	MADERA	4,100	1,700	2,300	400		100
21	MARIN			5,700	700	700	100
22	MARIPOSA	900	900				
23	MENDOCINO	6,100	1,700	6,700	400	400	300
24	MERCED			457,800	20,100	13,400	4,600
25	MODOC	300	100	38,500	6,100	25,300	6,000
26	MONO		100	3,800	1,300	700	400
27	MONTEREY	9,200	2,500	7,300	900		
28	NAPA			32,400	2,500	100	600
29	NEVADA	2,800	1,000				
30	ORANGE			17,700	1,200	600	300
31	PLACER	3,500	1,700	15,600	1,000	600	700
32	PLUMAS	3,500	1,000	6,500	1,500	1,200	700
33	RIVERSIDE			41,900	3,900	3,200	1,500
34	SACRAMENTO			47,700	5,000	5,100	1,700
35	San BENITO			1,500	300		
36	San BERNARDINO			12,600	2,200	1,300	700
37	San DIEGO			25,400	3,100	1,200	400
38	San FRANCISCO						
39	San JOAQUIN			71,900	5,800	7,800	2,800
40	San LUIS OBISPO	4,800	1,000	5,500	900	2,600	400
41	San MATEO	1,400	100	2,500	400		
42	Santa BARBARA	100	100	8,700	400	100	100
43	Santa CLARA	3,500	700	27,800	1,900		
44	Santa CRUZ			700	100		
45	SHASTA	16,900	3,800	18,300	2,000	3,100	1,500
46	SIERRA	1,200	100	300	100		100
47	SISKIYOU	11,300	2,200	79,200	8,600	14,200	8,300
48	SOLANO			130,300	13,500	2,300	1,900
49	SONOMA	1,000	900	12,500	1,500	300	100
50	STANISLAUS	600	100	25,900	2,500	1,900	1,200
51	SUTTER			98,100	8,900	10,300	4,500
52	TEHAMA	4,900	1,600	6,300	900	100	100
53	TRINITY	10,500	2,300				
54	TULARE	4,200	3,100	26,200	1,600	300	100
55	TUOLUMNE	12,800	2,900	1,700	100		
56	VENTURA	100	100	10,900	1,300	8,900	
57	YOLO	100	100	70,000	7,000	8,900	4,100
58	YUBA		100	22,100	2,800		400
	NOT GIVEN	2,300	2,000	29,500	7,100	3,500	1,200
	TOTAL	152,700		2,475,000		247,000	



1965 Bag	COUNTY OF KILL BY SPECIES	Pheasants		Quail		Doves	
		Hunters		Hunters		Hunters	
1	ALAMEDA	6,500	1,600	7,100	1,300	57,100	3,500
2	ALPINE						
3	AMADOR			14,700	1,600	8,600	1,000
4	BUTTE	66,400	17,000	19,500	3,900	66,000	4,900
5	CALAVERAS			27,900	2,200	16,000	1,000
6	COLUSA	54,900	17,400	5,700	1,600	67,400	4,400
7	CONTRA COSTA	11,900	4,200	8,600	1,300	69,200	4,600
8	DEL NORTE			2,200	400		
9	EL DORADO			21,500	2,600	13,800	1,000
10	FRESNO	37,800	17,400	133,100	11,200	403,500	16,900
11	GLENN	26,600	9,900	5,400	1,200	22,200	2,000
12	HUMBOLDT	300	300	27,200	2,900	2,200	300
13	IMPERIAL	21,400	14,100	59,100	7,800	468,000	26,700
14	INYO	7,000	2,800	37,000	4,600	20,200	1,500
15	KERN	5,700	5,800	301,800	23,800	328,400	18,200
16	KINGS	9,200	5,700	8,700	1,500	72,700	3,300
17	LAKE			27,300	2,800	45,000	3,200
18	LASSEN	4,100	1,200	17,000	1,700	36,500	1,900
19	LOS ANGELES	3,800	700	100,100	15,000	85,100	5,500
20	MADERA	9,300	3,800	92,700	4,400	77,900	4,600
21	MARIN	3,200	900	9,900	1,300	11,000	900
22	MARIPOSA			9,700	1,600	3,500	100
23	MENDOCINO	-	100	24,000	3,200	11,900	1,300
24	MERCED	34,900	14,500	10,800	2,200	152,400	6,500
25	MODOC	6,200	3,300	20,500	1,900	20,200	1,000
26	MONO	900	900	2,000	900	6,100	400
27	MONTEREY	700	900	56,200	6,100	68,600	4,200
28	NAPA	100	1,000	15,700	2,000	47,100	2,600
29	NEVADA			30,900	2,600	1,700	300
30	ORANGE	100	400	7,400	1,700	52,400	3,500
31	PLACER	16,400	3,500	9,700	2,200	30,400	2,900
32	PLUMAS	-	100	9,100	1,700	3,600	400
33	RIVERSIDE	6,100	2,600	206,900	20,100	259,400	17,300
34	SACRAMENTO	36,900	16,300	22,500	2,000	64,500	6,000
35	San BENITO	400	700	49,400	2,800	63,200	2,600
36	San BERNARDINO	6,400	1,900	100,000	12,200	112,600	8,000
37	San DIEGO	600	700	144,300	13,100	232,200	10,000
38	San FRANCISCO						
39	San JOAQUIN	45,000	16,600	41,000	4,800	131,200	8,900
40	San LUIS OBISPO	-	100	58,800	4,400	61,300	4,400
41	San MATEO	1,500	400	11,500	1,000	7,000	600
42	Santa BARBARA			85,600	6,000	75,300	3,600
43	Santa CLARA	5,500	2,300	25,000	3,200	63,900	3,900
44	Santa CRUZ	100	100	21,900	2,200	49,300	2,000
45	SHASTA	6,100	2,000	36,000	3,500	63,600	4,500
46	SIERRA					900	100
47	SISKIYOU	8,700	3,500	24,300	2,300	6,400	1,000
48	SOLANO	18,900	8,000	7,000	600	24,800	2,500
49	SONOMA	3,900	2,900	21,800	3,500	28,500	2,200
50	STANISLAUS	41,600	14,800	29,200	4,200	204,700	10,200
51	SUTTER	41,300	13,200	4,100	1,300	59,700	3,500
52	TEHAMA	10,000	2,200	23,000	2,500	72,800	4,400
53	TRINITY			5,100	700	900	100
54	TULARE	12,500	2,800	113,000	8,700	369,900	12,600
55	TUOLUMNE			44,600	3,300	9,900	600
56	VENTURA	1,000	400	61,500	7,700	58,100	4,600
57	YOLO	65,100	18,200	23,200	2,600	84,900	6,700
58	YUBA	16,300	4,100	9,300	1,300	12,500	1,600
	NOT GIVEN	10,600	10,000	22,800	5,200	65,100	5,400
TOTAL		665,900		2,314,300		4,451,300	

1965 Bag		COUNTY OF KILL BY SPECIES		13	14	15	
		Jacksnipes	Hunters	Coots	Hunters	Deer	Hunters
1	ALAMEDA			4,400	100	400	2,500
2	ALPINE					1,900	18,600
3	AMADOR					600	4,400
4	BUTTE	300	300	4,600	300	2,800	10,900
5	CALAVERAS			400	100	1,200	9,400
6	COLUSA	6,500	400	6,700	1,300	600	2,800
7	CONTRA COSTA			6,000	900	300	1,600
8	DEL NORTE	2,300	100	4,600	300	700	1,300
9	EL DORADO			900	100	2,900	15,100
10	FRESNO	700	300	8,700	700	3,500	19,800
11	GLENN	1,000	300	1,500	400	1,700	3,500
12	HUMBOLDT	3,200	900	10,500	700	7,000	12,600
13	IMPERIAL	1,500	300	47,500	2,000	-	1,200
14	INYO			21,800	100	100	7,600
15	KERN	1,300	300	14,700	1,000	3,100	18,500
16	KINGS					-	600
17	LAKE	600	100	-	100	4,100	12,100
18	LASSEN					3,200	17,700
19	LOS ANGELES			7,000	400	1,900	15,300
20	MADERA			3,600	100	1,300	9,600
21	MARIN	1,000	100	400	100	1,200	2,900
22	MARIPOSA					700	3,600
23	MENDOCINO					11,500	23,000
24	MERCED	12,600	1,300	12,700	2,000	900	1,700
25	MODOC	300	100	100	100	3,100	16,900
26	MONO					3,100	26,300
27	MONTEREY			2,200	300	7,400	11,200
28	NAPA			300	100	3,600	6,100
29	NEVADA					2,300	11,900
30	ORANGE			3,600	600	600	2,800
31	PLACER	100	100	1,600	300	1,400	11,500
32	PLUMAS					4,600	23,100
33	RIVERSIDE	1,500	300	9,400	400	600	7,100
34	SACRAMENTO	2,000	400	4,600	1,000	-	100
35	San BENITO			1,700	100	1,000	3,500
36	San BERNARDINO			8,300	400	1,200	12,900
37	San DIEGO			4,400	700	1,400	10,300
38	San FRANCISCO						
39	San JOAQUIN	300	100	9,400	900		
40	San LUIS OBISPO					5,400	8,600
41	San MATEO					300	1,200
42	Santa BARBARA	2,300	100			2,900	7,700
43	Santa CLARA			6,100	400	2,800	4,600
44	Santa CRUZ			3,600	100	-	1,200
45	SHASTA			700	300	3,600	17,300
46	SIERRA			7,300	100	1,400	10,000
47	SISKIYOU			1,200	100	6,500	16,300
48	SOLANO	700	100	3,100	700	300	1,200
49	SONOMA	2,200	100			3,100	7,600
50	STANISLAUS	100	100	17,300	900	1,000	3,100
51	SUTTER			21,800	600	-	100
52	TEHAMA					5,800	15,300
53	TRINITY					3,500	13,900
54	TULARE			19,300	700	2,000	14,800
55	TUOLUMNE					2,000	14,100
56	VENTURA					1,900	10,900
57	YOLO	100	100	38,100	1,500	1,900	3,200
58	YUBA			700	100	900	2,900
	NOT GIVEN	100	100	10,800	400	1,000	74,000
TOTAL		40,700		331,600		128,200	

COUNTY OF RILEY  
BY SPECIES

1965 Bag

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