

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
926 "J" Street
Sacramento 14, California

May 18, 1955

TO: Chief, Game Management Branch
FROM: C. M. Ferrel, Game Biologist
SUBJECT: Report of the 1954 Game Take Hunter Questionnaire.

A new self-addressed questionnaire form was devised resulting in a marked increase in returns. 47.5 percent of those mailed were returned, compared to an average of 37 percent for the six previous years' questionnaires. The 1954 form had the statement "Please return this form whether or not you hunted or bagged any game this season" in large lettering on the back. It was felt that ease of mailing plus the above mentioned statement drew a larger return from hunters who did not hunt, and from unsuccessful, and low success individuals than has been the case in the past. Evidence supporting this was the fact that the percent of hunters which reported they did not hunt rose from 5.7 percent in 1953 to 7.7 percent in 1954. Also, unsuccessful hunters increased from 20.8 percent in 1953 to 25.6 percent in 1954. The increased reporting of these individuals tends to decrease the exaggeration factor inherent in questionnaire sampling. Further, experience of other agencies using questionnaires has indicated that any change in the form used tends to alter results making it impossible to compare from year to year with any degree of reliability. It has been decided then to use the 1954 results as a new base without comparing the figures with 1953 and to follow up in future years with a questionnaire identical with the one used in 1954.

The sampling procedure used in 1954 was the same as that used in the past. An approximate 2 percent random sample of the hunting license buyers was mailed a questionnaire shortly after January 10, which was the closing date of the regular waterfowl season. Complete data on the mailing and return of questionnaires by county is given in Table 16.

Hunting License Sales

Estimated sales were set at 630,700 hunting licenses, a 3 percent increase over the 612,386 sold in 1953.

Results

The following tables are included in this report:

1. Summary of Statewide Game Bag - 1954.
2. Quail, Chukars, Pheasants, estimated bag by county - 1954.
3. Doves, Pigeons, estimated bag by county - 1954.
4. Ducks, Geese, estimated bag by county - 1954.
5. Coots, Jack Snipes, estimated bag by county - 1954.
6. Jack Rabbits, Rabbits (cottontail, brush), and Tree Squirrels, estimated bag by county - 1954.

7. Ten leading counties in the bag of Quail, Pheasants, Doves, Pigeons, Ducks, Geese, Jack Rabbits and Rabbits - 1954.
8. Where Bay Area Hunters bag their game - 1954.
9. Where Los Angeles Area Hunters bag their game - 1954.
10. Where San Diego Area Hunters bag their game - 1954.
11. Where Bakersfield Area Hunters bag their game - 1954.
12. Where Fresno Area Hunters bag their game - 1954.
13. Where Sacramento Area Hunters bag their game - 1954.
14. Where Chico Area Hunters bag their game - 1954.
15. Where Stockton Area Hunters bag their game - 1954.
16. Mailing and Return by County of 1954 Hunter Questionnaires.

QUAIL - 1954 Bag, 1,483,800.

Field reports indicated an average season. Kern, Fresno and Riverside counties were the leading quail producers.

Quail hunters reported spending an average of 3.5 days in the field in pursuit of their sport.

CHUKAR PARTRIDGE - 1954 Bag 2,100.

This was the first season in California. The birds proved elusive and difficult to hunt in the rugged terrain they inhabit. Field reports indicated that the hunters bagged only a very small percentage of the available supply of birds.

Kills were reported from Inyo, Mono, San Bernardino and Kern counties. There were small numbers of birds taken in other counties in the open area which were missed by the questionnaire sample.

PHEASANTS - 1954 Bag 564,800.

Although there was an excellent population of birds in the fields the concensus was that fewer birds were taken than in 1953. There was a heavy ground fog in the Central Valley area which persisted through the first six or seven days of the season. This factor made hunting conditions difficult.

SAGE HEENS - 1954 Bag 3,400.

An open season was held in Modoc and Lassen counties after a closure in 1953. Modoc bag, 1,000; Lassen, 2,400.

DOVES - 1954 Bag 2,460,200.

The 1954 dove season was split into two parts of twenty days each; September 1 - 20 and October 12 - 31. The September season produced 89.2 percent of the total bag and the October season 10.8 percent.

Dove hunters indicated spending an average of 3.7 days hunting doves.

PIGEONS - 1954 Bag 120,500.

Pigeons were concentrated in two main areas in 1954; the Mt. Abel, Frazier Mt. district of Kern County and in Monterey County. Northern California, the west slope of the Sierras and San Diego County which sometimes produce good kills were relatively poor in 1954.

Pigeon hunters hunted an average of 2.7 days.

DUCKS - 1954 Bag 3,461,600.

Because of the weather, hunting conditions were considered poor during 1954 and field reports indicated a somewhat lower kill than in 1953. There was a split season. In the Central Valley and mid-coastal regions the first half of the season was mild and dry. The second season was cold with ground fogs much of the time in the Central Valley. The second half was poor in northeastern California due to freezing weather which moved the birds south. Winter inventories showed populations of both ducks and geese to be close to 1953 figures.

Twenty-seven percent of the duck hunters indicated that they hunted on private or commercial clubs, and they bagged 51 percent of the birds.

GEESE - 1954 Bag 428,200.

Above remarks on hunting conditions for ducks apply to geese.

GOOTS - 1954 Bag 368,800.

The above figure is an estimate of the regular season and does not include birds taken during the period covered by the Depredation Order.

JACKSNIPES - 1954 Bag 14,500.

BEARS - 1954 Bag 4,900.

Bears were reported from seventeen counties of which Trinity, Alpine, Plumas and Siskiyou were the leading producers.

Bear hunters spent an average of 4.8 days pursuing their sport.

JACKRABBITS - 1954 Bag 1,200,600.

Jackrabbits are taken primarily in southern California where a large population with limited game available finds shooting rabbits a considerable source of recreation. In northern California the species is taken more or less incidentally while hunting other game.

An average of 5.9 days was spent hunting jackrabbits by each hunter.

RABBITS (Cottontail and Brush) - 1954 Bag 506,000.

Field reports indicated that rabbit hunting was not as good as in 1953. A noticeable drop in the population was observed in many areas. Rabbit hunting is also centered in the southern part of the State.

Average number of days spent hunting rabbits was 4.8.

TREE SQUIRRELS - 1954 Bag 40,300.

An examination of Table 6 reveals a number of squirrels reported from counties where there is no open season. Reporting ground squirrels is probably the main reason for this.

DEER - 1954 Bag 146,200.

The 1954 tag count was 75,602. Questionnaire results exceeded this figure by 93 percent.

Seventeen percent of the successful deer hunters bagged two deer.

WATERFOWL MANAGEMENT AREA RESULTS

Waterfowl Management Area known bag..... 72,683
Questionnaire results..... 130,100

Exaggeration 57,417 or 79 percent

Hunter days use on areas (known)..... 32,601
Number of individual Hunters estimated at 75% of
32,601 or 24,450.
Questionnaire results..... 26,300

Exaggeration 1,850 or 7.5 percent.

The above figures indicate that the principle source of exaggeration is in the reporting of the kill by the hunters.

TABLE 1

SUMMARY OF STATEWIDE GAME BAG 1954

<u>Species</u>	<u>Bag</u>
Quail	1,483,800
Chukars	2,100
Pheasants	564,800
Sage Hens	3,400
Doves	2,460,200
Pigeons	120,500
Ducks	3,461,600
Geese	428,200
Coots	368,800
Jacksnipes	14,500
Bears	4,900 *
Jackrabbits	1,200,600
Rabbits (Brush-Cottontail)	506,000
Tree Squirrels	40,300
Deer (Questionnaire)	146,200
Deer (Tag count)	75,602

TABLE 2
1954 HUNTER QUESTIONNAIRE -- CALCULATED BAG BY COUNTY

County	Quail	Chukar	Pheasants
Alameda	9,000	-	3,300
Alpine	None reported	-	None reported
Amador	10,700	-	None reported
Butte	23,300	-	39,200
Calaveras	29,500	-	400
Colusa	6,900	-	42,700
Contra Costa	10,000	-	8,800
Del Norte	1,500	-	None reported
Eldorado	27,400	-	None reported
Fresno	91,400	-	15,100
Glenn	10,400	-	36,500
Humboldt	24,500	-	None reported
Imperial	39,400	-	9,500
Inyo	16,900	700	2,800
Kern	125,500	600	4,300
Kings	14,600	-	2,200
Lake	20,600	-	None reported
Lassen	21,200	-	5,400
Los Angeles	69,700	-	4,900
Madera	29,900	-	4,300
Marin	8,500	-	None reported
Mariposa	15,900	-	None reported
Mendocino	53,500	-	None reported
Merced	13,100	-	26,400
Modoc	18,700	-	6,200
Mono	3,300	200	100
Monterey	80,000	-	1,400
Napa	13,500	-	3,100
Nevada	8,800	-	None reported
Orange	8,100	-	600
Placer	32,500	-	14,400
Plumas	3,400	-	None reported
Riverside	88,600	-	4,000
Sacramento	17,200	-	58,100
San Benito	19,700	-	600
San Bernardino	53,100	600	6,300
San Diego	61,600	-	4,600
San Joaquin	18,000	-	39,300
San Luis Obispo	41,500	-	1,000
San Mateo	6,000	-	100
Santa Barbara	39,800	-	400
Santa Clara	15,400	-	400
Santa Cruz	8,600	-	None reported
Shasta	36,700	-	6,400
Sierra	1,100	-	None reported
Siskiyou	14,000	-	13,400
Solano	1,700	-	18,200
Sonoma	45,700	-	6,900
Stanislaus	26,500	-	42,200
Sutter	3,700	-	44,100
Tehama	7,600	-	7,800
Trinity	1,300	-	None reported
Tulare	62,800	-	3,600
Tuolumne	17,200	-	200
Ventura	25,400	-	200
Yolo	7,200	-	54,500
Yuba	18,900	-	18,500
Not Given	2,700	-	2,400
TOTALS	1,483,800	2,100	564,800

TABLE 3
1954 HUNTER QUESTIONNAIRE - CALCULATED BAG BY COUNTY

<u>County</u>	<u>Doves</u>	<u>Pigeons</u>
Alameda	13,300	None reported
Alpine	None reported	None reported
Amador	9,500	None reported
Butte	49,200	800
Calaveras	6,000	None reported
Colusa	47,500	None reported
Contra Costa	29,300	100
Del Norte	None reported	1,000
Eldorado	20,500	None reported
Fresno	185,200	1,600
Glenn	32,700	400
Humboldt	None reported	400
Imperial	333,700	None reported
Inyo	23,200	None reported
Kern	109,600	29,300
Kings	62,800	None reported
Lake	22,700	None reported
Lassen	18,700	None reported
Los Angeles	76,300	4,000
Madera	32,800	None reported
Marin	2,200	None reported
Mariposa	13,900	None reported
Mendocino	1,100	6,000
Merced	59,600	None reported
Modoc	8,400	None reported
Mono	None reported	None reported
Monterey	41,400	28,800
Napa	34,500	None reported
Nevada	1,800	1,800
Orange	52,200	1,700
Placer	28,000	None reported
Plumas	3,700	100
Riverside	165,300	1,100
Sacramento	53,300	None reported
San Benito	21,900	None reported
San Bernardino	78,500	600
San Diego	91,200	1,400
San Joaquin	52,100	200
San Luis Obispo	47,000	10,700
San Mateo	1,400	None reported
Santa Barbara	14,200	2,200
Santa Clara	18,700	1,000
Santa Cruz	8,700	6,200
Shasta	36,900	1,700
Sierra	400	None reported
Siskiyou	11,100	None reported
Solano	28,600	1,400
Sonoma	33,500	3,400
Stanislaus	83,600	400
Sutter	27,100	700
Tehama	26,000	None reported
Trinity	2,400	1,600
Tulare	241,600	2,300
Tuolumne	4,600	1,300
Ventura	31,500	5,500
Yolo	42,000	2,700
Yuba	10,000	100
Not Given	8,800	-
TOTALS	<u>2,460,200</u>	<u>120,500</u>

TABLE 4
1954 HUNTER QUESTIONNAIRE - CALCULATED BAG BY COUNTY

County	Ducks	Geese
Alameda	68,400	None Reported
Alpine	None Reported	None Reported
Amador	800	200
Butte	191,900	28,000
Calaveras	1,000	4,700
Colusa	322,400	60,200
Contra Costa	43,400	1,600
Del Norte	10,600	None Reported
Eldorado	4,800	400
Fresno	93,300	5,300
Glenn	130,700	29,100
Humboldt	61,300	5,700
Imperial	111,300	15,600
Inyo	9,300	400
Kern	108,200	1,200
Kings	22,000	1,400
Lake	5,800	1,200
Lassen	41,100	8,900
Los Angeles	52,600	500
Madera	60,500	5,700
Marin	33,900	2,900
Mariposa	400	None Reported
Mendocino	1,900	None Reported
Merced	449,000	40,900
Modoc	46,900	41,700
Mono	1,300	1,100
Monterey	25,600	None Reported
Napa	36,800	1,000
Nevada	800	None Reported
Orange	25,200	500
Placer	24,800	500
Plumas	11,600	1,900
Riverside	30,200	1,100
Sacramento	127,500	11,200
San Benito	200	None Reported
San Bernardino	39,100	100
San Diego	45,900	None Reported
San Joaquin	129,100	8,000
San Luis Obispo	29,500	3,400
San Mateo	27,300	None Reported
Santa Barbara	15,900	400
Santa Clara	42,700	100
Santa Cruz	3,000	200
Shasta	23,600	3,400
Sierra	200	100
Siskiyou	107,500	60,300
Solano	308,000	12,200
Sonoma	50,300	700
Stanislaus	52,800	3,300
Sutter	139,800	21,100
Tehama	8,600	5,800
Trinity	1,000	None Reported
Tulare	7,400	800
Tuolumne	None Reported	None Reported
Ventura	32,700	100
Yolo	140,100	26,700
Yuba	62,500	8,200
Not Given	39,100	400
TOTALS	3,461,600	428,200

TABLE 5
1954 HUNTER QUESTIONNAIRE - CALCULATED BAG BY COUNTY

<u>County</u>	<u>Coots</u>	<u>Jack Snipes</u>
Alameda	4,600	400
Alpine	None Reported	None Reported
Amador	None Reported	None Reported
Butte	9,500	None Reported
Calaveras	None Reported	None Reported
Colusa	26,800	1,200
Contra Costa	3,500	500
Del Norte	12,900	None Reported
Eldorado	None Reported	None Reported
Fresno	14,600	200
Glenn	12,100	200
Humboldt	29,700	2,700
Imperial	14,100	1,000
Inyo	600	100
Kern	23,000	100
Kings	5,900	None Reported
Lake	2,500	None Reported
Lassen	1,300	None Reported
Los Angeles	2,300	None Reported
Madera	8,600	100
Marin	4,100	600
Mariposa	None Reported	None Reported
Mendocino	None Reported	None Reported
Merced	6,300	500
Modoc	1,800	None Reported
Mono	None Reported	None Reported
Monterey	4,000	None Reported
Napa	1,200	None Reported
Nevada	None Reported	None Reported
Orange	800	None Reported
Placer	3,000	100
Plumas	2,800	None Reported
Riverside	6,500	None Reported
Sacramento	18,100	2,500
San Benito	None Reported	None Reported
San Bernardino	18,300	None Reported
San Diego	16,000	400
San Joaquin	15,800	800
San Luis Obispo	None Reported	None Reported
San Mateo	800	None Reported
Santa Barbara	None Reported	600
Santa Clara	2,400	None Reported
Santa Cruz	1,400	None Reported
Shasta	3,600	800
Sierra	None Reported	None Reported
Siskiyou	3,400	None Reported
Solano	8,300	1,000
Sonoma	13,900	None Reported
Stanislaus	10,000	400
Sutter	20,500	200
Tehama	None Reported	None Reported
Trinity	None Reported	None Reported
Tulare	2,400	None Reported
Tuolumne	100	None Reported
Ventura	20,000	None Reported
Yolo	10,700	100
Yuba	600	None Reported
TOTALS	368,800	14,500

TABLE 6
1954 HUNTER QUESTIONNAIRE -- CALCULATED BAG BY COUNTY

County	Rabbits		Tree Squirrels
	(Brush & Cottontail)	Jack Rabbits	
Alameda	100	3,900	-
Alpine	None reported	None reported	None reported
Amador	None reported	600	2,900
Butte	2,500	12,300	4,100
Calaveras	2,100	2,300	4,100
Colusa	500	5,500	100
Contra Costa	500	5,900	None reported
Del Norte	None reported	None reported	None reported
Eldorado	200	1,300	3,000
Fresno	8,000	58,100	500
Glenn	1,300	3,400	-
Humboldt	1,400	1,000	100
Imperial	13,600	2,700	-
Inyo	10,700	4,000	-
Kern	57,300	288,700	200
Kings	5,300	17,800	200
Lake	None reported	12,200	1,900
Lassen	3,900	17,800	None reported
Los Angeles	82,500	238,600	-
Madera	2,500	26,800	-
Marin	1,000	3,100	500
Mariposa	1,700	200	1,100
Mendocino	1,400	6,500	-
Merced	2,900	22,700	-
Modoc	1,800	8,600	-
Mono	None reported	400	-
Monterey	21,100	18,100	-
Napa	None reported	3,900	-
Nevada	None reported	1,700	1,400
Orange	4,600	20,300	100
Placer	1,200	2,800	3,400
Plumas	500	500	-
Riverside	78,900	47,900	-
Sacramento	3,100	20,700	600
San Benito	1,800	1,000	-
San Bernardino	61,700	107,200	-
San Diego	63,900	36,100	-
San Joaquin	2,500	26,700	-
San Luis Obispo	8,000	2,700	-
San Mateo	4,000	100	600
Santa Barbara	1,800	500	-
Santa Clara	2,300	5,800	800
Santa Cruz	5,700	2,800	400
Shasta	200	1,600	4,000
Sierra	400	None reported	200
Siskiyou	1,800	19,500	100
Solano	None reported	11,700	-
Sonoma	4,200	15,900	200
Stanislaus	4,300	20,900	-
Sutter	200	9,200	-
Tehama	100	3,900	2,100
Trinity	100	400	1,900
Tulare	8,300	38,600	-
Tuolumne	None reported	3,000	4,100
Ventura	23,000	11,200	1,500
Yolo	500	14,600	-
Yuba	None reported	3,600	200
Not Given	600	3,300	-
TOTALS	506,000	1,200,600	40,300

TABLE 7
 GAME BAG - 1954
 (TEN LEADING COUNTIES)

	<u>% of State</u> <u>Total</u>	<u>Region</u> <u>No.</u>		<u>% of State</u> <u>Total</u>	<u>Region</u> <u>No.</u>
<u>Quail</u>			<u>Pheasants</u>		
1. Kern	8.5	4	1. Sacramento	10.3	2
2. Fresno	6.2	4	2. Yolo	9.7	2
3. Riverside	6.0	5	3. Sutter	7.8	2
4. Monterey	5.4	3	4. Colusa	7.6	2
5. Los Angeles	4.7	5	5. Stanislaus	7.5	4
6. Tulare	4.2	4	6. San Joaquin	7.0	2
7. San Diego	4.1	5	7. Butte	6.9	2
8. Mendocino	3.6	3	8. Glenn	6.5	2
9. San Bernardino	3.5	5	9. Merced	4.7	4
10. Sonoma	3.1	3	10. Yuba	3.3	2
11. All others	50.7		11. All others	28.7	
<u>Doves</u>			<u>Pigeons</u>		
1. Imperial	13.6	5	1. Kern	24.3	4
2. Tulare	9.8	4	2. Monterey	23.9	3
3. Fresno	7.5	4	3. San Luis Obispo	8.9	3
4. Riverside	6.7	5	4. Santa Cruz	5.2	3
5. Kern	4.5	4	5. Mendocino	5.0	3
6. San Diego	3.7	5	6. Ventura	4.6	5
7. Stanislaus	3.4	4	7. Los Angeles	3.3	5
8. San Bernardino	3.2	5	8. Sonoma	2.8	3
9. Los Angeles	3.1	5	9. Yolo	2.2	2
10. Kings	2.6	4	10. Tulare	1.9	4
11. All others	41.9		11. All others	17.9	
<u>Ducks</u>			<u>Geese</u>		
1. Merced	13.0	4	1. Siskiyou	14.1	1
2. Colusa	9.3	2	2. Colusa	14.0	2
3. Solano	8.9	2	3. Modoc	9.7	1
4. Butte	5.5	2	4. Merced	9.6	4
5. Yolo	4.1	2	5. Glenn	6.8	2
6. Sutter	4.0	2	6. Butte	6.5	2
7. Glenn	3.8	2	7. Yolo	6.2	2
8. San Joaquin	3.7	2	8. Sutter	4.9	2
9. Sacramento	3.6	2	9. Imperial	3.6	5
10. Imperial	3.2	5	10. Solano	2.9	2
11. All others	40.9		11. All others	21.7	
<u>Jack Rabbits</u>			<u>Rabbits (Cottontail, Brush)</u>		
1. Kern	24.1	4	1. Los Angeles	16.3	5
2. Los Angeles	19.9	5	2. Riverside	15.6	5
3. San Bernardino	8.9	5	3. San Diego	12.6	5
4. Fresno	4.8	4	4. San Bernardino	12.2	5
5. Riverside	4.0	5	5. Kern	11.3	4
6. Tulare	3.2	4	6. Ventura	4.6	5
7. San Diego	3.0	5	7. Monterey	4.2	3
8. Madera	2.2	4	8. Imperial	3.7	5
9. San Joaquin	2.1	2	9. Inyo	2.1	5
10. Merced	1.9	4	10. Tulare	1.6	4
11. All others	25.9		11. All others	15.8	

TABLE 8
 WHERE BAY AREA (S.F., ALAMEDA, CONTRA COSTA COUNTIES) HUNTERS BAG THEIR
 GAME. EXPRESSED IN PERCENT OF BAG IN THE COUNTIES HUNTED. 1954 SEASON

<u>County</u>	<u>Deer</u>	<u>Pheasants</u>	<u>Ducks</u>	<u>Doves</u>	<u>Quail</u>
Alameda	8	4	10	9	17
Alpine	2				
Butte		7	2		
Colusa		21	21	9	
Contra Costa	4	10	6	21	20
Eldorado	2				
Fresno				5	8
Glenn	2	7	7	6	
Humboldt					2
Kings				3	
Lake	8			6	18
Lassen	3			2	
Madera					4
Mendocino	14				
Merced			10	5	4
Modoc	2				
Monterey				4	12
Napa	4			6	2
Nevada	6				
Placer	2				
Plumas	8				
Sacramento		9	3	3	
San Benito					3
San Joaquin		8	2	2	
Santa Clara	2		2		
Sierra	4				
Solano		4	25		
Sonoma					2
Stanislaus		5		4	
Sutter		4			
Tehama	9			3	
Tulare				3	
Yolo	4	15	5	3	3
Yuba	2	2			
All Others	14	4	7	6	5
TOTALS	100	100	100	100	100

TABLE 9
 WHERE LOS ANGELES AREA (L.A., ORANGE COUNTIES) HUNTERS BAG THEIR GAME.
 EXPRESSED IN PERCENT OF BAG IN THE COUNTIES HUNTED. 1954 SEASON

<u>County</u>	<u>Deer</u>	<u>Pheasants</u>	<u>Ducks</u>	<u>Doves</u>	<u>Quail</u>
Butte		5			
Colusa		8			
Fresno	7		2		
Glenn		8			
Imperial		7	21	30	8
Inyo	6	3			3
Kern	6	3	12	4	18
Kings				2	
Los Angeles	15	12	14	16	21
Merced			2		
Modoc			4		
Monoc	20				
Monterey	2				
Nevada	2				
Orange	2	2	7	13	3
Placer		2			
Plumas	2				
Riverside	2	6	5	22	24
Sacramento			5		
San Bernardino	4	11	7	4	9
San Diego	3	4	2	2	3
San Joaquin		4			
San Luis Obispo	3				3
Santa Barbara	2		2		
Shasta	2				
Siskiyou	3	2	8		
Stanislaus		8			
Sutter		4			
Tehama		2			
Tulare	7			2	
Ventura	3		2		4
Yolo				3	
Yuba		5			
All Others	9	4	7	2	4
TOTALS	100	100	100	100	100

TABLE 10
 WHERE SAN DIEGO AREA (SAN DIEGO COUNTY) HUNTERS BAG THEIR GAME.
 EXPRESSED IN PERCENT OF BAG OF THE COUNTIES HUNTED. 1954 SEASON

<u>County</u>	<u>Deer</u>	<u>Pheasants</u>	<u>Ducks</u>	<u>Doves</u>	<u>Quail</u>
Imperial		32	23	41	11
Kern			4		
Lassen			4		
San Bernardino			5		2
San Diego	55	66	56	56	85
Santa Barbara	14				
Siskiyou			4		
All Others	31	2	4	3	2
TOTALS	100	100	100	100	100

TABLE 11
 WHERE BAKERSFIELD AREA (KERN COUNTY) HUNTERS BAG THEIR GAME.
 EXPRESSED IN PERCENT OF BAG IN THE COUNTIES HUNTED. 1954 SEASON

<u>County</u>	<u>Deer</u>	<u>Pheasants</u>	<u>Ducks</u>	<u>Doves</u>	<u>Quail</u>
Fresno	12				2
Glenn		22			
Inyo		7	5		2
Kern	54	46	71	71	77
Los Angeles		14	14		
San Luis Obispo	12				
Santa Barbara					8
Tulare	15	8	5	21	
All Others	7	3	5	8	11
TOTALS	100	100	100	100	100

TABLE 12
 WHERE FRESNO AREA (FRESNO COUNTY) HUNTERS BAG THEIR GAME.
 EXPRESSED IN PERCENT OF BAG IN THE COUNTIES HUNTED. 1954 SEASON

<u>County</u>	<u>Deer</u>	<u>Pheasants</u>	<u>Ducks</u>	<u>Doves</u>	<u>Quail</u>
Butte		7			
Fresno	77	62	47	36	86
Madera	6	7	29	7	8
Merced		8	18		
San Luis Obispo	6				
Stanislaus		8			
Tulare				5	
All Others	11	8	6	2	6
TOTALS	100	100	100	100	100

TABLE 13
 WHERE SACRAMENTO AREA (SACRAMENTO COUNTY) HUNTERS BAG THEIR GAME.
 EXPRESSED IN PERCENT OF BAG IN THE COUNTIES HUNTED. 1954 SEASON

<u>County</u>	<u>Deer</u>	<u>Pheasants</u>	<u>Ducks</u>	<u>Doves</u>	<u>Quail</u>
Alpine	6				
Amador	4				4
Butte			5		
Colusa	4	2	8	6	3
Eldorado	13			14	20
Glenn	4	2			
Mendocino	4				
Nevada	17				
Placer	10	7	8	8	13
Plumas	6				
Sacramento		53	35	50	41
San Joaquin		2	3		3
Sierra	12				
Siskiyou	4				
Solano			2		
Sutter		16	12		
Tehama	4			2	
Yolo	4	15	23	15	4
Yuba					10
All Others	8	3	4	5	2
TOTALS	100	100	100	100	100

TABLE 14
 WHERE CHICO AREA (BUTTE COUNTY) HUNTERS BAG THEIR GAME
 EXPRESSED IN PERCENT OF BAG IN THE COUNTIES HUNTED. 1954 SEASON

<u>County</u>	<u>Deer</u>	<u>Pheasants</u>	<u>Ducks</u>	<u>Doves</u>	<u>Quail</u>
Butte	29	90	84	94	87
Glenn	4	7	5	6	
Lassen	6				
Plumas	10				13
Sutter			5		
Tehama	42				
All Others	9	3	6	0	0
TOTALS	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>

TABLE 15
 WHERE STOCKTON AREA (SAN JOAQUIN COUNTY) HUNTERS BAG THEIR GAME.
 EXPRESSED IN PERCENT OF BAG IN THE COUNTIES HUNTED. 1954 SEASON

<u>County</u>	<u>Deer</u>	<u>Pheasants</u>	<u>Ducks</u>	<u>Doves</u>	<u>Quail</u>
Alpine	24				
Amador	18				
Calaveras	6				40
Colusa			4		
Contra Costa			2		
Lake	12				
Merced			15	5	
Modoc	6				
Monterey				5	
Sacramento		4			
San Joaquin		82	62	62	57
San Mateo			5		
Solano			2		
Stanislaus		7	8	8	
Tulare				13	
Tuolumne	9				
All Others	25	7	2	7	3
TOTALS	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>

TABLE 16
MAILING AND RETURN BY COUNTY OF 1954 HUNTER QUESTIONNAIRES

County	Questionnaires Mailed	Percent of Total Mailed	Questionnaires Returned	Percent Returned
Alameda	586	5.3	286	48.8
Alpine	1	Trace	1	100.0
Amador	25	0.2	16	64.0
Butte	243	2.2	106	43.6
Calaveras	37	0.3	20	54.1
Colusa	45	0.4	15	33.3
Contra Costa	410	3.7	218	53.2
Del Norte	31	0.3	14	45.2
Eldorado	71	0.6	33	46.5
Fresno	438	4.0	206	47.0
Glenn	69	0.6	27	39.1
Humboldt	277	2.5	121	43.7
Imperial	104	0.9	50	48.1
Inyo	45	0.4	20	44.4
Kern	395	3.6	167	42.3
Kings	80	0.7	31	38.8
Lake	51	0.5	24	47.1
Lassen	80	0.7	38	47.5
Los Angeles	1934	17.6	947	49.0
Madera	57	0.5	25	43.9
Marin	109	1.0	53	48.6
Mariposa	13	0.1	7	53.8
Mendocino	158	1.4	76	48.1
Merced	175	1.6	86	49.1
Modoc	47	0.4	18	38.3
Mono	3	Trace	2	66.7
Monterey	184	1.7	92	50.0
Napa	84	0.8	49	58.3
Nevada	72	0.7	33	45.8
Orange	150	1.4	66	44.0
Placer	119	1.1	55	46.2
Plumas	75	0.7	40	53.3
Riverside	163	1.5	72	44.2
Sacramento	563	5.1	291	51.7
San Benito	36	0.3	14	38.9
San Bernardino	246	2.2	118	48.0
San Diego	386	3.5	194	50.3
San Francisco	319	2.9	152	47.6
San Joaquin	353	3.2	165	46.7
San Luis Obispo	123	1.1	58	47.2
San Mateo	219	2.0	104	47.5
Santa Barbara	107	1.0	50	46.7
Santa Clara	345	3.1	181	52.5
Santa Cruz	101	0.9	44	43.6
Shasta	194	1.8	90	46.4
Sierra	15	0.1	8	53.3
Siskiyou	168	1.5	65	38.7
Solano	193	1.8	85	44.0
Sonoma	207	1.9	107	51.7
Stanislaus	272	2.5	136	50.0
Sutter	100	0.9	43	43.0
Tehama	87	0.8	37	42.5
Trinity	30	0.3	15	50.0
Tulare	228	2.1	99	43.4
Tuolumne	48	0.4	17	35.4
Ventura	119	1.1	47	39.5
Yolo	127	1.2	59	46.5
Yuba	77	0.7	28	36.4
Out of state	17	0.2	10	58.8
TOTALS	11,011	100.0	5,231	47.5