

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
San Francisco 11, California

January 27, 1953

TO: Chief, Game Management Branch

FROM: Game Management Branch - San Francisco

SUBJECT: Report of the 1951 Game Take Post Card Survey

The same procedure that has been followed since 1948 was again followed for the 1951 survey, namely, that a two percent random sample of hunting license buyers was drawn, and each hunter that was selected was mailed a double post card questionnaire. A total of 9,667 post cards were mailed shortly after the first of the year. Of the cards mailed, 4,123 or 42.7% were answered and returned. Table I shows the post card mailing and return for each county.

The hunting license sale in California for the 1951 season was as follows:

Resident Citizen	494,506
Junior Citizen	39,035
Veterans Wives	14
Non-Resident Citizen	1,038
Alien	91
TOTAL HUNTING LICENSES	534,684
 Archery Permit Citizen	 1,318
Archery Permit, Non-Resident	11
TOTAL	1,329
 Deer Tags -	
Resident	342,245
Non-Resident	655
TOTAL	342,900
 Pheasant Tags	 188,765

The total hunting license sale figure divided by number of post cards answered provides the correction factor in calculating the total kill figures for each game species. Tables X through XX show the total game kill by county of kill for each game species. The ten most important counties in the kill of each species are marked with the order of importance; 1 to 10. In addition to the game kill, information was obtained to determine to which counties hunters travelled from the State's large population centers to bag their deer, pheasants, ducks, and geese. Tables II through IX show the percent of their total kill for each county in which these hunters bagged game.

The following, listed for comparison, are the statewide game kill figures for the years 1948 - 1951:

	<u>1948</u>	<u>1949</u>	<u>1950</u>	<u>1951</u>
Deer	100,800	94,500	106,400	125,100
Pheasants	586,100	388,700	398,100	533,700
Ducks	3,077,000	2,282,800	1,966,300	2,871,700
Geese	356,000	254,900	229,400	400,500
Quail	1,714,391	1,132,800	1,129,100	1,432,100
Doves	2,572,400	1,886,300	1,756,200	2,370,000
Band-tailed Pigeons	314,800	88,300	178,400	87,100
Bear	2,112	2,950	5,700	2,300
Cottontail and Brush Rabbits	597,300	357,900	304,400	515,800
Jackrabbits	875,400	573,900	683,200	743,600
Tree Squirrels	74,200	21,100	45,000	51,500

All game species except band-tailed pigeons and bear show an increase in kill the 1951 season over 1950. In 1951 the deer and goose kill show highest harvest of any of the four years sampled by the post card method. The high deer kill of 1951 is in agreement with results obtained from the deer tag count which showed a record season for 1951. The low pigeon kill as reported in the survey reflects the 1951 field reports of poor shooting for this species.

Hunters were asked to record on the questionnaires whether or not they had hunted sagehens. Results obtained indicated that approximately 4,000 hunters took 4,800 birds during the two day Mono County season.

Some 8.5% of the license buyers indicated that they did not hunt during the 1951 season.

Carol M. Ferrel

Daly Gilsenan

TABLE 1
MAILING AND RETURN BY COUNTY OF 1951 POST CARD QUESTIONNAIRES

	CARDS MAILED	USABLE CARDS RE- TURNED TO S. F. OFFICE	PERCENT RETURN OF MAILED CARDS	PERCENT OF TOTAL CARDS RETURNED
ALAMEDA	563	260	46.2	6.3
AMADOR	26	8	30.8	0.2
BUTTE	256	121	47.3	2.9
CALAVERAS	31	13	41.9	0.3
COLUSA	47	22	46.8	0.5
CONTRA COSTA	384	182	47.4	4.4
DEL NORTE	35	18	51.4	0.4
EL DORADO	72	25	34.7	0.6
FRESNO	334	133	39.8	3.2
GLENN	77	35	45.5	0.8
HUMBOLDT	220	90	40.9	2.2
IMPERIAL	128	38	29.7	0.9
INYO	49	31	63.3	0.8
KERN	299	128	42.8	3.1
KINGS	69	32	46.4	0.8
LAKE	57	31	54.4	0.8
LASSEN	74	35	47.3	0.8
LOS ANGELES	1,325	645	48.7	15.7
MADERA	66	28	42.4	0.7
MARIN	125	53	42.4	1.3
MARIPOSA	9	5	55.6	0.1
MENDOCINO	145	42	29.0	1.0
MERCED	161	51	31.7	1.2
MODOC	28	12	42.9	0.3
MONO	11	5	45.5	0.1
MONTEREY	172	60	34.9	1.5
NAPA	98	37	37.8	0.9
NEVADA	85	22	25.9	0.5
ORANGE	140	65	46.4	1.6
PLACER	128	47	36.7	1.1
PLUMAS	63	30	47.6	0.7
RIVERSIDE	169	59	34.9	1.4
SACRAMENTO	505	226	44.8	5.5
SAN BENITO	26	11	42.3	0.3
SAN BERNARDINO	187	89	47.6	2.2
SAN DIEGO	367	179	48.8	4.3
SAN FRANCISCO	320	162	50.6	3.9
SAN JOAQUIN	286	114	39.9	2.8
SAN LUIS OBISPO	119	44	37.0	1.1
SAN MATEO	228	107	46.9	2.6
SANTA BARBARA	120	40	33.3	1.0
SANTA CLARA	293	117	39.9	2.8
SANTA CRUZ	88	33	37.5	0.8
SHASTA	167	60	35.9	1.5
SIERRA	14	4	28.6	0.1
SISKIYOU	113	40	35.4	1.0
SOLANO	181	83	45.9	2.0
SONOMA	215	91	42.3	2.2
STANISLAUS	247	90	36.4	2.2
SUTTER	80	32	40.0	0.8
TEHAMA	72	20	27.8	0.5
TRINITY	21	13	61.9	0.3
TULARE	193	69	35.8	1.7
TUOLUMNE	51	15	29.4	0.4
VENTURA	124	47	37.9	1.1
YOLO	114	40	35.1	1.0
YUBA	80	29	36.3	0.7
OUT OF STATE	10	5	50.0	0.1
TOTAL	9,667	4,123	42.7	100.0

TABLE II

MIGRATION OF SUCCESSFUL HUNTERS FROM THE SAN FRANCISCO BAY AREA
 (SAN FRANCISCO, ALAMEDA, CONTRA COSTA COUNTIES) 1951 HUNTING SEASON
 (PERCENT OF KILL IN EACH COUNTY)

	<u>DEER</u>	<u>PHEASANTS</u>	<u>DUCKS</u>	<u>GEESE</u>
ALAMEDA	6	2	12	-
ALPINE	5	-	1	-
AMADOR	-	-	2	-
BUTTE	-	7	2	2
COLUSA	-	22	12	29
CONTRA COSTA	4	15	20	2
EL DORADO	-	1	-	-
GLENN	2	11	11	35
HUMBOLDT	2	-	-	-
LAKE	5	-	-	-
LASSEN	12	-	-	-
MARIN	-	-	2	-
MENDOCINO	12	1	-	1
MERCED	-	1	3	1
MODOC	17	-	-	3
NAPA	7	-	-	-
NEVADA	3	-	-	-
PLUMAS	6	-	-	-
SACRAMENTO	-	8	2	2
SAN BENITO	1	-	-	-
SAN JOAQUIN	-	4	2	-
SANTA CLARA	-	-	1	-
SHASTA	3	-	-	-
SISKIYOU	4	1	2	5
SOLANO	-	4	13	6
SONOMA	3	-	1	-
STANISLAUS	-	3	1	6
SUTTER	-	7	-	3
TRINITY	2	-	-	-
TUOLUMNE	3	-	-	-
YOLO	-	11	2	3
YUBA	-	1	-	-
ALL OTHER COUNTIES	<u>3</u>	<u>1</u>	<u>6</u>	<u>2</u>
	100.0	100.0	100.0	100.0

TABLE III
MIGRATION OF SUCCESSFUL HUNTERS FROM THE LOS ANGELES AREA
(LOS ANGELES, ORANGE COUNTIES) 1951 HUNTING SEASON
(PERCENT OF KILL IN EACH COUNTY)

	<u>DEER</u>	<u>PHEASANTS</u>	<u>DUCKS</u>	<u>GEESE</u>
ALAMEDA	-	-	1	-
BUTTE	-	6	-	1
COLUSA	-	-	1	3
FRESNO	4	5	-	-
GLENN	-	4	-	1
IMPERIAL	-	5	27	3
INYO	8	4	1	-
KERN	7	6	20	-
LASSEN	7	-	-	4
LOS ANGELES	13	16	7	2
MENDOCINO	2	-	-	-
MERCED	-	3	2	2
MODOC	4	2	5	25
MONO	18	-	-	-
MONTEREY	2	-	-	-
ORANGE	4	1	8	-
PLUMAS	-	-	1	-
RIVERSIDE	2	5	5	4
SACRAMENTO	-	7	1	-
SAN BENITO	2	-	-	-
SAN BERNARDINO	2	6	4	1
SAN DIEGO	-	-	1	-
SAN JOAQUIN	-	4	-	1
SAN LUIS OBISPO	-	-	1	2
SANTA BARBARA	5	-	-	-
SISKIYOU	-	5	6	50
SUTTER	-	7	-	-
TEHAMA	2	3	-	-
TULARE	5	4	1	-
VENTURA	4	-	3	-
YOLO	-	2	1	1
YUBA	-	5	-	-
ALL OTHER COUNTIES	9	-	4	-
	100.0	100.0	100.0	100.0

TABLE IV

MIGRATION OF SUCCESSFUL HUNTERS FROM THE SAN DIEGO AREA
 (SAN DIEGO COUNTY) 1951 HUNTING SEASON
 (PERCENT OF KILL IN EACH COUNTY)

	<u>DEER</u>	<u>PHEASANTS</u>	<u>DUCKS</u>	<u>GEESE</u>
COLUSA	-	-	1	-
IMPERIAL	-	33	46	40
KERN	7	-	-	-
LASSEN	7	-	-	-
LOS ANGELES	7	-	-	-
MODOC	-	-	4	56
MONO	7	-	-	-
MONTEREY	7	-	-	-
PLACER	7	-	-	-
RIVERSIDE	15	-	-	-
SAN DIEGO	<u>43</u>	<u>67</u>	<u>49</u>	<u>4</u>
	100.0	100.0	100.0	100.0

TABLE V

MIGRATION OF SUCCESSFUL HUNTERS FROM THE BAKERSFIELD AREA
 (KERN COUNTY) 1951 HUNTING SEASON
 (PERCENT OF KILL IN EACH COUNTY)

	<u>DEER</u>	<u>PHEASANTS</u>	<u>DUCKS</u>	<u>GEESE</u>
COLUSA	-	5	-	"
FRESNO	11	-	5	"
GLENN	-	4	-	"
HUMBOLDT	-	-	1	"
INYO	21	-	-	"
KERN	11	27	68	18
KINGS	-	2	1	"
LASSEN	-	7	-	"
LOS ANGELES	-	5	-	"
MERCED	-	-	2	"
MODOC	-	5	1	29
SACRAMENTO	-	2	-	"
SAN BERNARDINO	-	-	2	7
SAN JOAQUIN	-	5	5	"
SAN LUIS OBISPO	11	-	-	"
SANTA BARBARA	11	-	-	"
SISKIYOU	-	-	9	43
TULARE	21	-	-	"
YOLO	-	12	6	"
YUBA	-	23	-	"
ALL OTHER COUNTIES	<u>14</u>	<u>3</u>	<u>-</u>	<u>3</u>
	100.0	100.0	100.0	100.0

TABLE VI

MIGRATION OF SUCCESSFUL HUNTERS FROM THE FRESNO AREA
(FRESNO COUNTY) 1951 HUNTING SEASON
(PERCENT OF KILL IN EACH COUNTY)

	<u>DEER</u>	<u>PHEASANTS</u>	<u>DUCKS</u>	<u>GEESE</u>
ALPINE	10	-	-	-
BUTTE	-	17	-	-
COLUSA	-	3	-	-
FRESNO	45	68	66	73
KINGS	-	-	2	-
LASSEN	6	-	1	4
MADERA	-	6	18	11
MERCED	-	-	5	-
MODOC	10	-	2	-
SAN BENITO	6	-	-	-
SAN JOAQUIN	-	4	6	-
TULARE	6	-	-	-
ALL OTHER COUNTIES	<u>17</u>	<u>2</u>	<u>-</u>	<u>12</u>
	100.0	100.0	100.0	100.0

TABLE VII

MIGRATION OF SUCCESSFUL HUNTERS FROM THE SACRAMENTO AREA
(SACRAMENTO COUNTY) 1951 HUNTING SEASON
(PERCENT OF KILL IN EACH COUNTY)

	<u>DEER</u>	<u>PHEASANTS</u>	<u>DUCKS</u>	<u>GEESE</u>
ALPINE	6	-	-	-
BUTTE	-	2	2	8
COLUSA	4	2	12	21
EL DORADO	15	-	-	-
GLENN	-	2	-	-
LAKE	6	-	-	-
LASSEN	6	-	-	-
MODOC	9	-	-	3
NEVADA	4	-	-	-
PLACER	4	-	-	-
PLUMAS	11	-	-	-
SACRAMENTO	-	54	42	20
SAN JOAQUIN	-	-	2	-
SIERRA	6	-	-	-
SISKIYOU	13	-	2	9
SOLANO	-	3	3	6
SUTTER	-	9	13	15
TEHAMA	11	-	-	-
YOLO	-	24	22	15
YUBA	-	4	2	-
ALL OTHER COUNTIES	<u>5</u>	<u>-</u>	<u>-</u>	<u>3</u>
	100.0	100.0	100.0	100.0

TABLE VIII

MIGRATION OF SUCCESSFUL HUNTERS FROM THE CHICO AREA
(BUTTE COUNTY) 1951 HUNTING SEASON
(PERCENT OF KILL IN EACH COUNTY)

	<u>DEER</u>	<u>PHEASANTS</u>	<u>DUCKS</u>	<u>GEESE</u>
BUTTE	25	87	87	86
COLUSA	"	"	2	2
GLENN	"	5	5	2
LASSEN	11	"	"	"
MODOC	11	"	"	"
SISKIYOU	"	"	2	4
SUTTER	"	7	1	6
TEHAMA	39	"	"	"
YUBA	"	"	2	"
ALL OTHER COUNTIES	<u>14</u>	<u>1</u>	<u>1</u>	<u>"</u>
	100.0	100.0	100.0	100.0

TABLE IX

MIGRATION OF SUCCESSFUL HUNTERS FROM THE STOCKTON AREA
(SAN JOAQUIN COUNTY) 1951 HUNTING SEASON
(PERCENT OF KILL IN EACH COUNTY)

	<u>DEER</u>	<u>PHEASANTS</u>	<u>DUCKS</u>	<u>GEESE</u>
ALPINE	26	"	"	"
CALAVERAS	11	"	"	"
CONTRA COSTA	"	"	3	3
GLENN	"	"	1	9
LASSEN	11	"	"	"
MODOC	11	"	"	"
MONO	11	"	"	"
SACRAMENTO	"	"	1	"
SAN JOAQUIN	"	95	92	80
SISKIYOU	"	"	1	8
SOLANO	"	"	1	"
STANISLAUS	"	3	1	"
ALL OTHER COUNTIES	<u>30</u>	<u>2</u>	<u>"</u>	<u>"</u>
	100.0	100.0	100.0	100.0

TABLE X

1951 DEER KILL BY COUNTY

1951 POST CARD GAME TAKE SURVEY

		<u>REPORTED TAKE</u>	<u>CALCULATED TAKE</u>
	ALAMEDA	11	1,400
7	ALPINE	35	4,500
	AMADOR	2	.300
	BUTTE	12	1,500
	CAL AVERAS	9	1,200
	COLUSA	9	1,200
	CONTRA COSTA	6	.800
	EL DORADO	12	1,500
	FRESNO	27	3,500
	GLENN	11	1,400
8	HUMBOLDT	34	4,400
	INYO	17	2,200
	KERN	12	1,500
	KINGS	2	.250
10	LAKE	32	4,100
2	LASSEN	80	10,300
	LOS ANGELES	16	2,100
	MADERA	2	.300
	MARIN	3	.400
	MARIPOSA	1	.100
3	MENDOCINO	51	6,600
	MERCED	3	.400
1	MODOC	106	13,700
6	MONO	38	4,900
	MONTEREY	22	2,900
	NAPA	16	2,100
	NEVADA	22	2,900
	ORANGE	4	.500
	PLACER	7	.900
9	PLUMAS	32	4,100
	RIVERSIDE	9	1,200
	SAN BENITO	21	2,700
	SAN BERNARDINO	7	.900
	SAN DIEGO	8	1,000
	SAN JOAQUIN	1	.100
	SAN LUIS OBISPO	15	1,900
	SAN MATEO	2	.300
	SANTA BARBARA	20	2,600
	SANTA CLARA	16	2,100
	SANTA CRUZ	1	.100
	SHASTA	30	3,900
	SIERRA	10	1,200
4	SISKIYOU	48	6,200
	SONOMA	28	3,600
	STANISLAUS	5	.600
5	TEHAMA	45	5,800
	TRINITY	19	2,500
	TULARE	17	2,200
	TUOLUMNE	15	1,900
	VENTURA	11	1,400
	YOLO	3	.400
	YUBA	4	.500
		<u>969</u>	<u>125,050</u>

TABLE XI

1951 PHEASANT KILL BY COUNTY		1951 POST CARD GAME TAKE SURVEY
<u>REPORTED TAKE</u>		<u>CALCULATED TAKE</u>
	ALAMEDA	1,800
	AMADOR	400
4	BUTTE	46,700
1	COLUSA	54,100
	CONTRA COSTA	15,000
	DEL NORTE	400
	EL DORADO	800
	FRESNO	14,100
5	GLENN	42,900
	HUMBOLDT	400
	IMPERIAL	8,300
	INYO	6,300
	KERN	5,100
	KINGS	900
	LAKE	2,600
	LASSEN	4,900
	LOS ANGELES	5,700
	MADERA	5,800
	MENDOCINO	2,300
	MERCED	14,400
	MODOC	6,400
	MONO	400
	MONTEREY	800
	NAPA	1,800
	NEVADA	300
	ORANGE	400
	PLACER	4,100
	RIVERSIDE	2,900
2	SACRAMENTO	52,400
	SAN BENITO	2,200
	SAN BERANRDINO	2,600
	SAN DIEGO	3,900
7	SAN JOAQUIN	33,700
	SANTA BARBARA	800
	SANTA CLARA	4,900
	SANTA CRUZ	100
	SHASTA	2,600
	SIERRA	100
	SISKIYOU	10,200
10	SOLANO	18,400
	SONOMA	4,000
8	STANISLAUS	26,800
6	SUTTER	36,400
	TEHAMA	4,900
	TULARE	4,400
	TUOLUMNE	1,300
	VENTURA	400
3	YOLO	52,400
9	YUBA	20,000
	NOT GIVEN	1,200
<u>4,117</u>		<u>533,700</u>

TABLE XII

1951 DUCK KILL BY COUNTY

1951 POST CARD GAME TAKE SURVEY

		<u>REPORTED TAKE</u>	<u>CALCULATED TAKE</u>
10	ALAMEDA	756	98,000
	ALPINE	12	1,600
	AMADOR	12	1,600
4	BUTTE	1,210	156,900
	CALAVERAS	6	800
3	COLUSA	1,710	221,800
6	CONTRA COSTA	976	126,600
	DEL NORTE	139	18,000
	EL DORADO	21	2,700
	FRESNO	411	53,300
5	GLENN	1,082	140,300
	HUMBOLDT	528	68,500
7	IMPERIAL	946	122,700
	INYO	158	20,500
	KERN	595	77,200
	KINGS	128	16,600
	LAKE	255	33,100
	LASSEN	271	35,100
	LOS ANGELES	100	13,000
	MADERA	296	38,400
	MARIN	297	38,500
	MENDOCINO	104	13,500
2	MERCED	2,130	276,200
	MODOC	415	53,800
	MONO	104	13,500
	MONTEREY	101	13,100
	NAPA	91	11,800
	NEVADA	30	3,900
	ORANGE	112	14,500
	PLACER	22	2,800
	PLUMAS	83	10,800
	RIVERSIDE	242	31,400
	SACRAMENTO	538	69,800
	SAN BENITO	16	2,100
	SAN BERNARDINO	220	28,500
	SAN DIEGO	313	40,600
	SAN FRANCISCO	5	600
8	SAN JOAQUIN	891	115,500
	SAN LUIS OBISPO	192	24,900
	SAN MATEO	228	29,600
	SANTA BARBARA	27	3,500
	SANTA CLARA	553	71,700
	SANTA CRUZ	18	2,300
	SHASTA	193	25,000
	SIERRA	74	9,600
9	SISKIYOU	786	101,900
1	SOLANO	2,143	277,900
	SONOMA	165	21,400
	STANISLAUS	390	50,600
	SUTTER	531	68,900
	TEHAMA	53	6,900
	TULARE	34	4,400
	TUOLUMNE	1	100
	VENTURA	308	39,900
	YOLO	624	80,900
	YUBA	410	53,200
	NOT GIVEN	88	11,400
		<u>22,144</u>	<u>2,871,700</u>

TABLE XIII

1951 GOOSE KILL BY COUNTY

1951 POST CARD GAME TAKE SURVEY

	REPORTED TAKE	CALCULATED TAKE
	ALAMEDA	100
	AMADOR	300
4	BUTTE	32,400
5	COLUSA	32,400
	CONTRA COSTA	2,600
	DEL NORTE	300
	EL DORADO	100
	FRESNO	4,300
1	GLENN	67,000
	HUMBOLDT	7,100
	IMPERIAL	5,400
	INYO	400
	KERN	600
	KINGS	500
	LAKE	1,300
9	LASSEN	12,100
	LOS ANGELES	900
	MADERA	3,400
	MARIN	300
	MENDOCINO	1,200
6	MERCED	20,000
3	MODOC	52,300
	MONO	3,000
	MONTEREY	100
	NAPA	100
	NEVADA	500
	PLACER	100
	PLUMAS	2,700
	RIVERSIDE	1,900
	SACRAMENTO	5,800
	SAN BENITO	900
	SAN BERNARDINO	900
	SAN DIEGO	300
	SAN JOAQUIN	8,000
	SAN LUIS OBISPO	4,100
	SAN MATEO	400
	SANTA CLARA	1,000
	SANTA CRUZ	300
	SHASTA	7,800
	SIERRA	300
2	SISKIYOU	58,700
10	SOLANO	11,700
	STANISLAUS	11,300
7	SUTTER	15,200
	TEHAMA	900
	TULARE	100
	VENTURA	800
3	YOLO	12,600
	YUBA	4,100
	NOT GIVEN	1,900
	<u>3,090</u>	<u>400,500</u>

TABLE XV

1951 DOVE KILL BY COUNTY

1951 POST CARD GAME TAKE SURVEY

	<u>REPORTED TAKE</u>	<u>CALCULATED TAKE</u>
	ALAMEDA	20,500
	AMADOR	12,300
	BUTTE	47,700
	CALAVERAS	8,600
	COLUSA	35,500
	CONTRA COSTA	39,900
	EL DORADO	24,600
3	FRESNO	195,600
	GLENN	32,400
1	IMPERIAL	303,500
	INYO	41,400
4	KERN	147,300
	KINGS	45,100
	LAKE	40,500
	LASSEN	18,000
8	LOS ANGELES	77,300
10	MADERA	64,800
	MARIN	500
	MARIPOSA	9,000
	MENDOCINO	1,000
	MERCED	56,800
	MODOC	14,900
	MONO	6,600
	MONTEREY	29,200
	NAPA	22,700
	NEVADA	1,000
	ORANGE	23,600
	PLACER	33,200
	PLUMAS	4,300
5	RIVERSIDE	132,800
	SACRAMENTO	34,500
	SAN BENITO	11,900
	SAN BERNARDINO	42,000
6	SAN DIEGO	83,000
9	SAN JOAQUIN	75,700
	SAN LUIS OBISPO	41,000
	SAN MATEO	3,100
	SANTA BARBARA	31,900
	SANTA CLARA	17,900
	SANTA CRUZ	3,200
	SHASTA	18,000
	SIERRA	3,600
	SISKIYOU	14,300
	SOLANO	40,100
	SONOMA	13,400
7	STANISLAUS	82,000
	SUTTER	16,500
	TEHAMA	18,900
2	TULARE	197,100
	TUOLUMNE	19,500
	VENTURA	40,300
	YOLO	43,100
	YUBA	22,600
	NOT GIVEN	5,800
	<u>18,277</u>	<u>2,370,000</u>

TABLE XVI

1951 PIGEON KILL BY COUNTY

1951 POST CARD GAME TAKE SURVEY

		<u>REPORTED TAKE</u>	<u>CALCULATED TAKE</u>
	ALAMEDA	14	1,815
9	AMADOR	24	3,100
	BUTTE	19	2,500
	DEL NORTE	6	800
	EL DORADO	21	2,700
	FRESNO	7	900
4	GLENN	45	5,800
	HUMBOLDT	2	300
	KERN	15	1,900
	LAKE	3	400
	LASSEN	4	500
7	LOS ANGELES	27	3,500
	MENDOCINO	10	1,300
	MERCED	4	500
1	MONTEREY	112	14,500
	NEVADA	8	1,000
	RIVERSIDE	15	1,900
8	SAN BERNARDINO	27	3,500
3	SAN DIEGO	60	7,800
	SAN JOAQUIN	14	1,800
2	SAN LUIS OBISPO	65	8,400
	SANTA BARBARA	6	800
10	SANTA CRUZ	24	3,100
6	SHASTA	42	5,400
	SONOMA	12	1,600
	STANISLAUS	1	100
	SUTTER	2	300
	TULARE	22	2,900
	TUOLUMNE	4	500
5	VENTURA	44	5,700
	YOLO	1	100
	YUBA	12	1,600
	NOT GIVEN	1	100
		<u>673</u>	<u>87,115</u>

TABLE XVII

1951 BEAR KILL BY COUNTY

1951 POST CARD GAME TAKE SURVEY

	<u>REPORTED TAKE</u>	<u>CALCULATED TAKE</u>
DEL NORTE	1	100
EL DORADO	1	100
FRESNO	1	100
GLENN	1	100
1 HUMBOLDT	5	600
LASSEN	1	100
MENDOCINO	1	100
NEVADA	1	100
PLUMAS	1	100
SAN BENITO	1	100
2 SHASTA	3	400
TEHAMA	1	100
TRINITY	1	100
TULARE	1	100
TUOLUMNE	1	100
	<u>21</u>	<u>2,300</u>

TABLE XVIII

1951 BRUSH & COTTONTAIL RABBIT
KILL BY COUNTY

1951 POST CARD GAME TAKE SURVEY

	REPORTED TAKE	CALCULATED TAKE
ALAMEDA	28	3,600
BUTTE	8	1,000
CALAVERAS	8	1,000
COLUSA	28	3,600
CONTRA COSTA	46	6,000
DEL NORTE	1	100
EL DORADO	6	800
FRESNO	97	12,600
GLENN	22	2,900
HUMBOLDT	7	900
7 IMPERIAL	196	25,400
10 INYO	115	14,900
3 KERN	350	45,400
KINGS	38	4,900
LAKE	1	100
LASSEN	30	3,900
4 LOS ANGELES	331	42,900
MADERA	49	6,400
MERCED	48	6,200
MODOC	13	1,700
MONO	21	2,700
6 MONTEREY	225	29,200
NAPA	7	900
NEVADA	3	400
9 ORANGE	139	18,000
PLACER	17	2,200
PLUMAS	1	100
2 RIVERSIDE	433	56,200
SACRAMENTO	55	7,100
SAN BENITO	68	8,800
5 SAN BERNARDINO	258	33,500
1 SAN DIEGO	597	77,400
SAN JOAQUIN	52	6,700
SAN LUIS OBISPO	104	13,500
SAN MATEO	94	12,200
SANTA BARBARA	54	7,000
SANTA CLARA	64	8,300
SANTA CRUZ	81	10,500
SHASTA	2	300
SIERRA	4	500
SOLANO	1	100
SONOMA	6	800
STANISLAUS	52	6,700
SUTTER	10	1,300
TULARE	19	2,500
TUOLUMNE	2	300
8 VENTURA	166	21,500
YOLO	15	1,900
NOT GIVEN	7	900
	<u>3,979</u>	<u>515,800</u>

TABLE XIV

1951 QUAIL KILL BY COUNTY		1951 POST CARD GAME TAKE SURVEY
		<u>CALCULATED TAKE</u>
	<u>REPORTED TAKE</u>	
	ALAMEDA	120
	AMADOR	143
	BUTTE	233
	CALAVERAS	255
	COLUSA	47
	CONTRA COSTA	157
	DEL NORTE	14
5	EL DORADO	424
3	FRESNO	510
	GLENN	54
	HUMBOLDT	56
	IMPERIAL	225
9	INYO	339
1	KERN	1,219
	KINGS	22
	LAKE	241
	LASSEN	89
8	LOS ANGELES	341
	MADERA	246
	MARIN	113
	MARIPOSA	92
4	MENDOCINO	446
	MERCED	110
	MODOC	188
	MONO	10
	MONTEREY	305
	NAPA	115
	NEVADA	78
	ORANGE	89
	PLACER	173
	PLUMAS	12
6	RIVERSIDE	422
	SACRAMENTO	154
	SAN BENITO	214
	SAN BERNARDINO	117
2	SAN DIEGO	787
	SAN JOAQUIN	191
10	SAN LUIS OBISPO	334
	SAN MATEO	67
	SANTA BARBARA	232
	SANTA CLARA	168
	SANTA CRUZ	124
	SHASTA	159
	SIERRA	9
	SISKIYOU	65
	SOLANO	55
	SONOMA	165
	STANISLAUS	77
	SUTTER	17
	TEHAMA	106
	TRINITY	11
7	TULARE	369
	TUOLUMNE	193
	VENTURA	290
	YOLO	53
	YUBA	176
	NOT GIVEN	19
		<u>11,040</u>
		15,600
		18,500
		30,200
		33,100
		6,100
		20,400
		1,800
		55,000
		66,100
		7,000
		7,300
		29,200
		44,000
		158,100
		2,900
		31,300
		11,500
		44,200
		31,900
		14,700
		11,900
		57,800
		14,300
		24,400
		1,300
		39,600
		14,900
		10,100
		11,500
		22,400
		1,600
		54,700
		20,000
		27,800
		15,200
		102,100
		24,800
		43,300
		8,700
		30,100
		21,800
		16,100
		20,600
		1,200
		8,400
		7,100
		21,400
		10,000
		2,200
		13,800
		1,400
		47,900
		25,000
		37,600
		6,900
		22,800
		2,500
		<u>1,432,100</u>

TABLE XIX
1951 JACKRABBIT KILL BY COUNTY

1951 POST CARD GAME TAKE SURVEY

		REPORTED TAKE	CALCULATED TAKE
	ALAMEDA	102	13,200
	AMADOR	3	400
	BUTTE	93	12,100
	CAL AVERAS	10	1,300
	COLUSA	152	19,700
	CONTRA COSTA	113	14,700
	DEL NORTE	1	100
	EL DORADO	71	9,200
6	FRESNO	264	34,200
	GLENN	112	14,500
	HUMBOLDT	4	500
	IMPERIAL	75	9,700
	INYO	105	13,600
1	KERN	585	75,900
	KINGS	42	5,400
	LAKE	153	19,800
	LASSEN	89	11,500
5	LOS ANGELES	286	37,100
	MADERA	39	5,100
	MARIN	4	500
	MENDOCINO	88	11,400
8	MERCED	184	23,900
2	MODOC	422	54,700
	MONO	14	1,800
	MONTEREY	58	7,500
	NAPA	24	3,100
	NEVADA	19	2,500
	ORANGE	68	8,800
	PLACER	44	5,700
	PLUMAS	28	3,600
9	RIVERSIDE	169	21,900
7	SACRAMENTO	191	24,800
	SAN BENITO	22	2,900
3	SAN BERNARDINO	324	42,000
	SAN DIEGO	122	15,800
	SAN JOAQUIN	140	18,200
	SAN LUIS OBISPO	143	18,500
	SAN MATEO	9	1,200
	SANTA BARBARA	75	9,700
	SANTA CLARA	63	8,200
	SANTA CRUZ	47	6,100
	SHASTA	26	3,400
4	SIERRA	310	40,200
	SISKIYOU	59	7,700
	SOLANO	55	7,100
	SONOMA	119	15,400
10	STANISLAUS	167	21,700
	SUTTER	99	12,800
	TEHAMA	31	4,000
	TRINITY	2	300
	TULARE	41	5,300
	TUOLUMNE	4	500
	VENTURA	66	8,600
	YOLO	167	21,700
	YUBA	24	3,100
	NOT GIVEN	8	1,000
		5,735	743,600

TABLE XX

1951 TREE SQUIRREL KILL BY COUNTY

1951 POST CARD GAME TAKE SURVEY

		<u>REPORTED TAKE</u>	<u>CALCULATED TAKE</u>
6	AMADOR	22	2,900
2	BUTTE	40	5,200
7	CALAVERAS	17	2,200
	CONTRA COSTA	4	500
3	EL DORADO	36	4,700
	FRESNO	3	400
	GLENN	9	1,200
	HUMBOLDT	3	400
5	KERN	23	3,000
	LASSEN	8	1,000
	LOS ANGELES	7	900
	MARIPOSA	4	500
	MENDOCINO	4	500
	MODOC	3	400
	NAPA	10	1,300
	NEVADA	5	600
	PLACER	4	500
	PLUMAS	2	300
	SACRAMENTO	5	600
	SAN DIEGO	1	100
	SAN JOAQUIN	10	1,300
	SAN LUIS OBISPO	1	100
9	SAN MATEO	13	1,700
	SANTA BARBARA	4	500
8	SANTA CLARA	16	2,100
4	SANTA CRUZ	33	4,300
1	SHASTA	57	7,400
	SONOMA	11	1,400
10	TEHAMA	13	1,700
	TRINITY	1	100
	TUOLUMNE	13	1,700
	VENTURA	10	1,300
	YOLO	3	400
	YUBA	2	300
		<u>397</u>	<u>51,500</u>