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REPORT OF THE 1980 GAME TAKE HUNTER SURVEY

Hunter game take questionnaires were mailed to 17,347 hunting licensees in February 1981. Two follow-up mailings were made to nonrespondents; the first approximately eight weeks and the second approximately twelve weeks after the initial mailing. One thousand three hundred fourteen questionnaires were returned undelivered making a total possible response of 16,033. This was a randomly selected sample of 3.0 percent of the estimated 532,850 hunting license purchasers in 1980.

Twelve thousand three hundred twenty-one usable questionnaires were returned, a response of 77 percent. The survey indicated that there was hunting effort by about 473,950 hunting licensees who spent about 7,256,680 days in the field.

For the past several years, follow-up mailings to nonrespondents have significantly increased response percentage. The increase in response reduces nonresponse bias, the phenomenon of more successful individuals (e.g. hunters) being more inclined to return a questionnaire than unsuccessful or nonparticipating individuals. Nonresponse bias is one of the principal causes of inflated bag and hunter use figures in surveys of this type. However, statistical analysis of survey data indicates high validity for species pursued by large numbers of hunters.

HUNTERS FROM LICENSE SALES*	1979	1980	Change from 1979
Hunting Licenses	522,400	532,850	+ 10%
Deer Hunters	283,900	294,400	+ 4%
Deer Tags	361,500	377,300	+ 4%
Bear Tags	21,800	27,800	+ 28%
Federal Duck Stamps	121,000	108,753	- 10%
State Duck Stamps	123,170	112,000	- 9%

*Estimates

HUNTING REGULATION CHANGES

Quail

The possession limit for quail was doubled to 20.

Band-tailed Pigeons

Alpine County was moved from the late season to the early season.

Chukar Partridge

The possession limit for chukar partridge was doubled to 12.

Turkeys

The fall turkey season was lengthened one week, to close the first Sunday in December.

Deer

Zone A - Zones A-1 and A-2 (Lake and Napa counties) were combined into a single Zone A. The northeastern corner of Mendocino County was removed from Zone A and added to Zone B-1.

Zone B-1 - This zone was increased to include the northeastern corner of Mendocino County.

Zones D-2b, D-7, D-8 and D-9 - The season in these zones was shortened one week, closing October 26, 1980.

Special Hunts - The Gray Lodge hunt was changed from an either sex archery hunt to an archery buck hunt.

The Ventana Wilderness buck hunt was held for the first time this year.

Geese

The goose limit was reduced from six to two per day in most of the state.

The following tables are appended to this report:

- . Table 1 - Summary of Statewide Bag - 1980
- . Table 2 - Reported Hunting License and Tag Sales, Hunter Harvest and Effort, 1965-1980
- . Table 3 - Game Bag, Ten Leading Counties - 1980 (Pheasants, Quail, Doves, Band-tailed Pigeons, Jackrabbits, Cottontail/Brush Rabbits, Ducks and Geese)
- . Table 4 - Regional Game Bag, Major Species - 1980
- . Table 5 - Distribution of Hunter Effort by Game Species - 1980
- . Table 6 - Hunter Success Summary - 1956-1980
- . Table 7 - Where Metropolitan Area Hunters Bag Their Game - 1980
(expressed in percent of bag in the counties hunted)

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

It is important to note that statistical biases are inherent in this survey and that the principal value of its bag figures is trend indication. Total respondents represent only about 3.1 percent of all hunting license buyers; consequently, those species of game which attract smaller numbers of hunters can be greatly affected by sampling bias. For all species, the use of this survey should be limited to determining long-range trends in most cases.

The estimated total hunting license sales divided by the number of questionnaires returned provides the projection factor for calculating total figures. The projection factor used for the 1980 hunter survey calculations was $532,850 \div 12,321 = 43$.

BAG AND HUNTER EFFORT BY SPECIES

UPLAND GAME

<u>PHEASANTS</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	562,600	586,650	+ 4.1%
Hunters Reported	163,300	164,430	+ 0.7%
Average Seasonal Bag	3.4	3.6	+ 0.2
Total Days Hunted	676,300	641,990	- 5.1%
Average Days Hunted	4.1	3.9	- 0.2

<u>QUAIL</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	2,021,900	2,030,760	+ 0.4%
Hunters Reported	170,200	174,670	+ 2.6%
Average Seasonal Bag	11.9	11.6	- 0.3
Total Days Hunted	823,800	763,160	- 7.4%
Average Days Hunted	4.8	4.4	- 0.4

<u>DOVES</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	3,369,400	3,262,410	- 3.2%
Hunters Reported	203,400	205,670	+ 1.1%
Average Seasonal Bag	16.6	15.9	- 0.7
Total Days Hunted	854,600	794,000	- 1.0%
Average Days Hunted	4.2	3.9	- 0.3

<u>BAND-TAILED PIGEONS</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	183,300	132,830	- 27.5%
Hunters Reported	26,600	25,370	- 4.6%
Average Seasonal Bag	6.9	5.2	- 1.7
Total Days Hunted	87,200	75,210	- 13.8%
Average Days Hunted	3.3	3.0	- 0.3

<u>CHUKAR PARTRIDGE</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	136,300	111,540	- 18.2%
Hunters Reported	28,700	28,980	+ 0.9%
Average Seasonal Bag	4.7	3.8	- 0.9
Total Days Hunted	107,600	95,460	- 11.3%
Average Days Hunted	3.7	3.3	- 0.4

<u>SAGE GROUSE</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	5,000	6,280	+ 20.4%
Hunters Reported	5,100	5,850	+ 12.8%
Average Seasonal Bag	1.0	1.1	+ 0.1
Total Days Hunted	8,400	9,760	+ 13.9%
Average Days Hunted	1.6	1.7	+ 0.1
<u>SIERRA/RUFFED GROUSE</u>			
Statewide Bag	9,300	10,020	+ 7.2%
Hunters Reported	6,900	7,530	+ 8.4%
Average Seasonal Bag	1.3	1.3	NONE
Total Days Hunted	19,600	18,320	- 6.5%
Average Days Hunted	2.8	2.4	- 0.4
<u>JACKRABBITS</u>			
Statewide Bag	956,300	901,750	- 5.7%
Hunters Reported	92,000	90,170	- 2.0%
Average Seasonal Bag	10.4	10.0	- 0.4
Total Days Hunted	696,400	580,460	- 16.6%
Average Days Hunted	7.6	6.4	- 1.2
<u>COTTONTAIL/BRUSH RABBITS</u>			
Statewide Bag	621,300	636,740	+ 2.4%
Hunters Reported	87,500	90,260	+ 3.1%
Average Seasonal Bag	7.1	7.1	NONE
Total Days Hunted	504,900	474,720	- 6.0%
Average Days Hunted	5.8	5.3	- 0.5
<u>TREE SQUIRRELS</u>			
Statewide Bag	191,300	167,360	- 12.5%
Hunters Reported	47,100	46,780	- 0.7%
Average Seasonal Bag	4.1	3.6	- 0.5
Total Days Hunted	250,100	212,120	- 15.2%
Average Days Hunted	5.3	4.5	- 0.8
<u>WILD TURKEY</u>			
Statewide Bag	1,600	4,090	+ 60.9%
Hunters Reported	6,500	10,840	+ 40.0%
Average Seasonal Bag	0.2	0.4	+ 0.2
Total Days Hunted	23,100	32,980	+ 30.0%
Average Days Hunted	3.6	3.0	- 0.6

WATERFOWL

<u>DUCKS</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	2,376,800	2,038,850	- 14.2%
Hunters Reported	157,500	144,570	- 8.2%
Average Seasonal Bag	15.1	14.1	- 1.0
Total Days Hunted	1,051,200	915,300	- 12.9%
Average Days Hunted	6.7	6.3	- 0.4
<u>GESE</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	115,700	108,830	- 5.9%
Hunters Reported	55,600	55,990	+ 0.7%
Average Seasonal Bag	2.1	1.9	- 0.2

BIG GAME

<u>DEER (Hunter Survey)</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	70,100	61,060	- 12.9%
Hunters Reported	330,700	348,210	+ 5.0%
Total Days Hunted	1,663,100	2,053,980	+ 19.0%
Average Days Hunted	5.0	5.9	+ 0.9
<u>DEER (Tag Returns)</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	36,400	32,400	- 11.0%
Deer Tag Sales	361,500	377,300	+ 4.2%

The statewide deer take is estimated both by tag returns and by the Hunter Survey Questionnaire. Actual kill should fall between the two estimates. Both surveys indicate an increase in the 1979 bag and a slight decrease in hunting pressure.

<u>BEAR (Hunter Survey)</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	2,800	2,970	+ 5.7%
Hunters Reported	21,300	23,350	+ 8.8%
Total Days Hunted	112,100	110,810	- 1.2%
Average Days Hunted	5.3	4.7	- 0.6
<u>BEAR (Tag Returns)</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	731	655	- 10.4%
Bear Tag Sales	22,600	27,800	+ 18.7%
<u>WILD PIGS</u>	<u>1979</u>	<u>1980</u>	<u>Change from 1979</u>
Statewide Bag	21,200	29,710	+ 28.6%
Hunters Reported	25,800	30,230	+ 14.7%
Total Days Hunted	142,800	175,910	+ 18.8%
Average Days Hunted	5.5	5.8	+ 0.3

TABLE 1
SUMMARY OF STATEWIDE BAG - 1980

<u>Species</u>	<u>Yearly Average</u>			<u>% Change From 1979</u>
	<u>1973-1977</u>	<u>1979</u>	<u>1980</u>	
Pheasant	590,300	562,600	586,650	+ 4
Quail	1,842,600	2,021,900	2,030,760	<+ 1
Dove	3,871,500	3,369,400	3,262,410	- 3
Chukar Partridge	69,700	136,300	111,540	- 2
Sage Grouse	3,800	5,000	6,280	+ 20
Sierra/Ruffed Grouse	9,800	9,300	10,020	+ 7
Band-Tailed Pigeons	166,900	183,300	132,830	- 33
Wild Turkeys	2,500	1,600	4,085	+ 61
Jackrabbits	837,700	956,300	901,750	- 6
Cottontail/Brush Rabbits	636,700	621,300	636,740	+ 2
Tree Squirrels	241,900	191,300	167,360	- 13
Ducks	2,969,600	2,376,800	2,038,850	- 14
Geese	278,200	115,700	108,830	- 6
Jacksnipe	86,200	61,000	50,700	- 17
Coots	425,500	322,000	251,420	- 22
Buck Deer (Hunter Survey)	75,800	70,100	61,060	- 13
Buck Deer (Tag Returns)	29,500	36,200	32,400	- 11
Bear (Hunter Survey)	1,900	2,800	2,970	+ 5
Bear (Tag Returns)	600	731	655	- 10
Wild Pigs	22,000	21,200	29,700	+ 29

TABLE 2

REPORDED HUNTING LICENSE AND TAG SALES; HUNTER HARVEST AND EFFORT - 1965-1980

*1978 - This was the first year that the deer tag option was established.

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TABLE 3
MAJOR SPECIES GAME BAG - 1980

(TEN LEADING COUNTIES)

<u>PHEASANTS</u>	<u>% OF STATE TOTAL</u>	<u>POSITION 1979</u>	<u>JACKRABBITS</u>	<u>% OF STATE TOTAL</u>	<u>POSITION 1979</u>
1. Sclano	8.8	3	1. Kern	16.1	1
2. Butte	8.2	1	2. San Bernardino	14.6	2
3. Yolo	8.0	2	3. Lassen	8.3	3
4. Sutter	7.5	4	4. San Joaquin	4.1	9
5. Sacramento	6.6	7	5. Modoc	3.7	24
6. San Joaquin	6.5	6	6. Inyo	3.7	6
7. Colusa	5.8	8	7. Riverside	3.5	7
8. Stanislaus	5.4	5	8. Monterey	3.3	13
9. Merced	4.4	9	9. Los Angeles	3.2	8
10. Yuba	3.3	13	10. Merced	3.1	10
ALL OTHERS	35.5		ALL OTHERS	36.4	
TOTAL	100.0		TOTAL	100.0	
<u>QUAIL</u>					
1. Kern	11.9	1	1. Kern	17.1	2
2. San Bernardino	8.8	3	2. San Bernardino	13.5	1
3. Riverside	5.8	2	3. Riverside	7.0	3
4. Monterey	5.3	5	4. Monterey	6.4	8
5. Fresno	4.6	6	5. San Diego	6.2	4
6. Santa Barbara	3.7	12	6. Ventura	4.4	14
7. San Luis Obispo	3.6	8	7. Imperial	4.2	10
8. San Diego	3.5	4	8. Los Angeles	4.0	9
9. Imperial	3.3	9	9. Santa Barbara	3.4	5
10. Shasta	3.2	10	10. Merced	2.9	6
ALL OTHERS	46.3		ALL OTHERS	30.9	
TOTAL	100.0		TOTAL	100.0	
<u>DOVES</u>					
1. Imperial	10.7	2	1. Colusa	13.3	2
2. Kern	10.6	1	2. Merced	13.3	1
3. Fresno	8.0	4	3. Solano	8.3	3
4. Riverside	7.5	3	4. Butte	8.1	4
5. Merced	3.6	7	5. Sutter	4.2	9
6. San Bernardino	3.1	6	6. Fresno	3.7	7
7. San Diego	2.6	10	7. Imperial	3.7	6
8. San Joaquin	2.6	8	8. Siskiyou	3.6	5
9. Madera	2.2	12	9. San Joaquin	3.5	10
10. Butte	2.2	11	10. Yolo	3.0	8
ALL OTHERS	46.9		ALL OTHERS	35.3	
TOTAL	100.0		TOTAL	100.0	
<u>BAND-TAILED PIGEONS</u>					
1. Shasta	9.4	4	1. Colusa	17.5	2
2. Monterey	8.2	1	2. Siskiyou	11.1	1
3. Tuolumne	6.3	19	3. Modoc	10.9	3
4. Siskiyou	6.2	20	4. Butte	8.3	4
5. Calaveras	5.5	10	5. Glenn	5.9	5
6. Trinity	5.1	15	6. Lassen	4.8	10
7. El Dorado	5.0	7	7. Merced	4.6	6
8. Butte	4.8	18	8. Imperial	4.5	7
9. Mendocino	3.4	13	9. San Joaquin	3.5	8
10. Tulare	3.0	25	10. Sutter	3.1	13
ALL OTHERS	43.1		ALL OTHERS	25.8	
TOTAL	100.0		TOTAL	100.0	
<u>DUCKS</u>					
1. Kern	17.1	1	1. Colusa	13.3	2
2. San Bernardino	13.5	3	2. Merced	13.3	1
3. Riverside	7.0	5	3. Solano	8.3	3
4. Monterey	6.4	8	4. Butte	8.1	4
5. San Diego	6.2	6	5. Sutter	4.2	9
6. Ventura	4.4	12	6. Fresno	3.7	7
7. Imperial	4.2	9	7. Imperial	3.7	6
8. Los Angeles	4.0	10	8. Siskiyou	3.6	5
9. Santa Barbara	3.4	11	9. San Joaquin	3.5	10
10. Merced	2.9	13	10. Yolo	3.0	8
ALL OTHERS	30.9		ALL OTHERS	35.3	
TOTAL	100.0		TOTAL	100.0	
<u>GEESE</u>					
1. Colusa	17.5	2	1. Colusa	17.5	2
2. Siskiyou	11.1	1	2. Siskiyou	11.1	1
3. Modoc	10.9	3	3. Modoc	10.9	3
4. Butte	8.3	4	4. Butte	8.3	4
5. Glenn	5.9	5	5. Glenn	5.9	5
6. Lassen	4.8	10	6. Lassen	4.8	10
7. Merced	4.6	6	7. Merced	4.6	6
8. Imperial	4.5	7	8. Imperial	4.5	7
9. San Joaquin	3.5	8	9. San Joaquin	3.5	8
10. Sutter	3.1	13	10. Sutter	3.1	13
ALL OTHERS	25.8		ALL OTHERS	25.8	
TOTAL	100.0		TOTAL	100.0	

TABLE 4

DISTRIBUTION OF MAJOR GAME SPECIES BY ADMINISTRATIVE REGION*1979-80

(Percentage of State Bag)

	Pheasants		Quail		Doves		Jackrabbits		Cottontails		Ducks	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
Region 1	6	6	12	12	5	8	19	17	5	4	12	13
Region 2	60	61	13	11	18	17	15	13	6	5	44	48
Region 3	6	7	17	19	10	10	8	12	10	14	6	8
Region 4	24	21	23	26	37	35	27	28	28	30	27	22
Region 5	4	5	35	32	30	30	31	30	51	47	11	9
TOTALS	100	100	100	100	100	100	100	100	100	100	100	100

*See annual deer report for deer statistics.

TABLE 5
DISTRIBUTION OF HUNTER EFFORT BY GAME SPECIES - 1980

<u>Species</u>	Number of Individual Hunters			Percent of Total Individual Hunters		
	<u>Successful</u>	<u>Unsuccessful</u>	<u>Total</u>	<u>Successful</u>	<u>Unsuccessful</u>	<u>Total</u>
Deer	54,350	250,600	304,950	11	53	64
Doves	174,710	14,320	189,030	37	3	40
Pheasants	105,780	40,980	146,760	22	9	31
Ducks	97,350	17,240	114,590	20	4	24
Quail	128,610	21,970	150,580	27	5	32
Jackrabbits	73,400	5,980	79,380	16	1	17
Cottontail/ Brush Rabbits	71,720	8,260	79,980	15	2	17
Geese	30,190	18,700	48,890	6	4	10
Tree Squirrels	35,090	8,600	43,690	7	2	9
Band-tailed Pigeons	17,800	6,710	24,510	4	1	5
Coots	16,980	560	17,540	4	<0.5	4
Wild Pigs	10,490	17,410	27,900	<0.5	4	4
Bear	2,190	18,620	20,810	2	4	6
Chukar						
Partridges	15,480	11,440	26,920	3	3	6
Jacksnipe	6,410	1,160	7,570	2	<0.5	2
Wild Turkeys	2,540	7,700	10,240	<0.5	2	2
Sierra/Ruffed Grouse	4,130	2,920	7,050	<0.5	<0.5	1
Sage Grouse	3,650	2,020	5,670	<0.5	<0.5	1

Total Individual Hunters - 473,950

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

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>
1956	11	22	67
1957	12	22	66
1958	8	23	69
1959	7	27	66
1960	7	28	65
1961	8	28	64
1962	8	28	64
1963	9	25	66
1964	7	23	70
1965	10	24	67
1966	11	23	66
1967	10	22	68
1968	10	22	68
1969	10	21	69
1970	11	22	67
1971	13	23	64
1972	12	23	65
1973	10	25	65
1974	10	22	68
1975	12	23	65
1976	11	25	64
1977	11	25	64
1978	14	24	62
1979	14	22	63
1980	11	26	64

TABLE 7-A

WHERE METROPOLITAN AREA PHEASANT HUNTERS BAGGED THEIR PHEASANTS - 1980

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

(STATEWIDE BAG 586,650)

EXPRESSED IN PERCENT OF BAG BY METROPOLITAN AREA HUNTERS IN THE COUNTIES THEY HUNTED
(STATEWIDE BAG 2,030,760)

PERCENTAGE OF STATE BAG	(3%) BAY AREA	(1%) CHICO AREA	(4%) FRESNO AREA	(2%) EUREKA AREA	(9%) BKSFLD. AREA	(16%) L.A. AREA	(2%) SACTO. AREA	(4%) S.DIEGO AREA	(1%) STOCKTON AREA	(3%) SAN JOSE AREA	(3%) REDDING AREA
	ALAMEDA S.F. CON.COSTA COUNTIES	BUTTE COUNTY	FRESNO COUNTY	HUM-BOLDT COUNTY	KERN COUNTY	L.A. ORGE. COUNTY	SACRA-MENTO COUNTY	SAN DIEGO COUNTY	SAN JOAQUIN COUNTY	SANTA CLARA COUNTY	SHASTA COUNTY
ALAMEDA	23	-	-	-	-	-	-	-	-	-	-
ALPINE	-	-	-	-	-	-	-	-	-	-	-
AMADOR	3	-	-	-	-	-	16	-	23	-	-
BUTTE	-	59	-	-	-	-	2	-	-	-	-
CALAVERAS	2	-	-	-	-	-	2	-	12	-	-
COLUSA	3	-	-	-	-	-	4	-	-	-	-
CONTRA COSTA	5	-	-	-	-	-	1	-	-	-	-
EL DORADO	2	-	-	-	-	-	20	-	5	-	-
FRESNO	-	-	70	-	1	1	-	-	-	3	-
GLENN	1	-	-	-	-	-	2	-	-	-	-
HUMBOLDT	-	-	-	63	-	-	2	-	-	1	-
IMPERIAL	-	-	-	-	-	8	-	20	-	-	-
INYO	-	-	1	-	-	1	-	1	-	-	-
KERN	-	-	-	-	84	20	-	-	-	2	-
KINGS	-	-	-	3	-	-	-	-	-	2	-
LAKE	7	-	-	-	-	-	1	-	-	1	-
LASSEN	2	2	-	-	-	-	1	-	-	-	6
LOS ANGELES	-	-	1	-	-	-	2	-	-	-	-
MADERA	2	4	13	-	-	-	-	-	-	2	-
MARIN	2	-	-	2	-	-	-	-	-	-	-
MARIPOSA	1	-	-	-	-	-	-	-	-	-	-
MENDOCINO	7	-	-	-	-	-	-	-	-	4	-
MERCED	-	-	-	-	-	-	-	-	-	-	-
MODOC	-	-	-	-	-	-	-	-	-	-	-
MONO	-	-	-	-	-	-	-	-	-	24	-
MONTEREY	14	-	-	-	-	-	-	-	-	-	-
NAPA	2	-	-	-	-	-	-	-	-	-	-
NEVADA	-	-	-	-	-	-	-	-	-	-	-
ORANGE	-	-	2	-	-	-	-	-	-	-	-
PLACER	-	-	8	-	-	-	-	-	-	-	-
PLUMAS	1	-	-	-	-	-	-	-	-	-	-
RIVERSIDE	-	-	-	-	-	-	-	-	-	-	-
SACRAMENTO	-	-	-	-	-	-	-	-	-	-	-
SAN BENITO	-	-	-	2	-	-	-	-	-	5	-
SAN BERNARDINO	-	-	-	-	-	-	24	-	2	-	-
SAN DIEGO	-	-	-	-	-	-	2	-	69	-	-
SAN JOAQUIN	2	-	-	-	-	-	-	-	47	-	-
SAN LUIS OBISPO	1	-	-	1	-	2	3	-	-	-	-
SAN MATEO	1	-	-	-	-	-	-	-	-	-	-
SANTA BARBARA	1	-	-	-	-	4	1	-	-	-	-
SANTA CLARA	2	-	-	-	-	-	-	-	-	4	41
SANTA CRUZ	-	-	-	-	-	-	-	-	-	5	84
SHASTA	1	2	-	-	1	-	-	-	-	3	-
SISKIYOU	1	-	-	-	1	-	-	-	-	1	-
SONOMA	-	-	-	-	-	-	-	-	-	-	-
STANISLAUS	2	-	-	-	-	-	-	-	-	5	-
SUTTER	-	-	-	-	-	-	-	-	-	-	-
TEHAMA	5	21	-	-	32	-	-	-	2	-	8
TRINITY	-	-	-	-	-	-	-	-	-	-	1
TULARE	2	-	-	8	1	5	2	-	-	-	-
TUOLOMNE	2	-	-	-	-	-	-	-	2	-	-
VENTURA	1	-	1	-	-	-	5	-	-	-	-
YOLO	-	-	-	-	-	-	4	-	-	-	-
YUBA	-	-	-	-	-	-	-	-	-	-	-
ALL OTHERS	-	-	-	-	-	-	-	-	-	-	-
TOTAL	100	100	100	100	100	100	100	100	100	100	100

TABLE 7-C

WHERE METROPOLITAN AREA DOVE HUNTERS BAGGED THEIR DOVES - 1980
 EXPRESSED IN PERCENT OF BAG BY METROPOLITAN AREA HUNTERS IN THE COUNTIES THEY HUNTED
 (STATEWIDE BAG 3,262,410)

PERCENTAGE OF STATE BAG	(6%) BAY AREA	(2%) CHICO AREA	(8%) FRESNO AREA	(1%) EUREKA AREA	(9%) BKSFLD. AREA	(14%) L.A. AREA	(4%) SACTO. AREA	(6%) S.DIEGO AREA	(2%) STOCKTON AREA	(2%) SAN JOSE AREA	(2%) REDDI ARE/
ALAMEDA S.F. CON.COSTA COUNTIES											
ALAMEDA	9	-	-	-	-	-	-	-	-	1	-
AMADOR	2	-	-	-	-	-	3	-	-	1	-
BUTTE	-	77	-	23	-	-	2	-	-	1	-
CALAVERAS	-	-	-	-	-	-	1	-	-	-	-
CONTRA COSTA	15	-	-	-	-	-	3	-	-	1	-
EL DORADO	-	-	-	-	-	1	3	-	-	2	-
FRESNO	7	5	79	-	1	2	1	1	-	5	-
GLENN	2	5	-	-	-	-	-	-	-	2	-
HUMBOLDT	1	-	-	54	-	-	-	-	-	-	-
IMPERIAL	-	-	-	-	1	29	1	54	-	-	-
INYO	-	-	-	-	2	2	-	-	-	-	-
KERN	1	-	1	-	88	12	-	-	-	8	-
KINGS	-	-	4	-	1	2	-	-	-	-	-
LAKE	2	-	-	-	-	-	-	-	-	1	-
LASSEN	-	1	-	-	-	-	1	-	-	3	-
LOS ANGELES	-	-	-	-	-	-	9	-	-	-	-
MADERA	5	1	8	-	-	-	-	-	-	4	-
MARIN	-	-	-	-	-	-	-	-	-	-	-
MENDOCINO	-	-	-	9	-	-	-	-	-	-	-
MERCED	10	-	2	-	-	-	-	-	-	9	-
MODOC	-	-	-	-	-	-	-	-	-	-	4
MONTEREY	3	-	-	-	-	-	-	-	-	11	-
NAPA	1	-	-	-	-	-	-	-	-	-	-
ORANGE	-	-	-	-	-	-	2	-	-	-	-
PLACER	-	-	-	-	-	-	8	-	-	1	-
RIVERSIDE	1	-	-	-	-	-	23	-	-	1	-
SACRAMENTO	5	-	-	-	-	-	39	-	-	2	-
SAN BENITO	1	-	-	-	-	-	9	-	-	6	-
SAN BERNARDINO	-	-	-	-	-	-	2	-	-	-	-
SAN DIEGO	1	-	-	-	-	-	1	38	-	-	-
SAN JOAQUIN	3	-	-	-	-	-	1	-	-	86	-
SAN LUIS OBISPO	4	-	-	-	-	-	2	-	-	3	-
SAN MATEO	-	-	-	-	-	-	-	-	-	2	-
SANTA CLARA	1	-	-	-	-	-	-	-	-	40	-
SANTA CRUZ	-	-	-	-	-	-	-	-	-	2	-
SHASTA	1	-	-	-	-	-	-	1	-	1	74
SISKIYOU	-	-	-	-	14	-	-	-	-	-	-
SOLANO	2	-	-	-	-	-	-	2	-	-	-
SONOMA	-	-	-	-	-	-	-	-	-	1	-
STANISLAUS	2	-	-	-	-	-	-	-	-	1	-
SUTTER	1	2	-	-	-	-	-	8	-	2	-
TEHAMA	2	9	-	-	-	-	1	-	-	1	-
TRINITY	-	-	-	-	-	-	-	-	-	1	15
TULARE	2	1	5	-	6	2	2	1	-	-	-
YOLO	3	-	-	-	-	-	14	-	-	1	-
YUBA	1	-	-	-	-	-	1	-	-	-	1
ALL OTHERS	12	4	1	-	1	5	5	1	3	1	-
TOTAL	100	100	100	100	100	100	100	100	100	100	100

WHERE METROPOLITAN AREA DUCK HUNTERS BAGGED THEIR DUCKS - 1980

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

(STATEWIDE BAG 2,038,850)

PERCENTAGE OF STATE BAG	(18%) BAY AREA	(5%) CHICO AREA	(5%) FRESNO AREA	(2%) EUREKA AREA	(1%) BKSFLD. AREA	(7%) L.A. AREA	(8%) SACTO. AREA	(2%) S.DIEGO AREA	(4%) STOCKTON AREA	(6%) SAN JOSE AREA	(2%) REDDING AREA
	ALAMEDA S.F. CON.COSTA COUNTIES	BUTTE COUNTY	FRESNO COUNTY	HUM- BOLDT COUNTY	KERN COUNTY	L.A. ORGE. COUN.	SACRA- MENTO COUNTY	SAN DIEGO COUNTY	SAN JOAQUIN COUNTY	SANTA CLARA COUNTY	SHASTA COUNTY
ALAMEDA	4	-	-	-	-	-	-	-	-	2	-
BUTTE	3	79	12	-	-	1	21	-	-	1	-
CALAVERAS	-	-	-	-	-	-	-	-	-	2	-
COLUSA	21	7	-	4	-	-	26	3	2	11	6
CONTRA COSTA	9	-	-	-	-	-	-	-	-	1	-
DEL NORTE	-	1	-	8	-	-	-	-	-	-	-
EL DORADO	-	-	-	-	-	-	-	-	-	-	-
FRESNO	1	-	56	-	2	7	-	-	-	4	-
GLENN	2	7	-	1	-	-	1	-	-	-	2
HUMBOLDT	1	-	-	68	-	1	-	-	36	-	-
IMPERIAL	-	-	-	-	-	25	-	-	-	-	-
INYO	-	-	-	-	3	1	-	-	-	-	-
KERN	-	-	-	-	58	26	-	-	-	-	-
KINGS	-	-	-	1	28	-	-	-	-	-	-
LASSEN	-	-	-	-	2	1	-	-	-	-	16
LOS ANGELES	-	-	-	-	-	4	-	-	-	-	-
MADERA	-	-	7	-	-	-	-	-	-	-	-
MERCED	13	1	22	-	1	3	2	-	-	6	-
MODOC	1	3	-	4	-	2	-	-	3	-	16
MONO	-	-	-	-	-	-	-	-	-	-	-
PLUMAS	-	-	-	-	-	-	-	-	-	-	-
RIVERSIDE	-	-	-	-	-	-	-	-	-	-	-
SACRAMENTO	-	-	-	-	-	-	-	-	-	-	-
SAN BENITO	-	-	-	-	-	-	-	-	-	8	-
SAN BERNARDINO	-	-	-	-	-	-	-	-	-	-	-
SAN DIEGO	-	-	-	-	-	-	-	-	52	-	-
SAN JOAQUIN	-	-	-	-	-	-	-	1	-	71	-
SAN MATEO	-	-	-	-	-	-	-	-	-	-	-
SANTA CLARA	-	-	-	-	-	-	-	-	-	13	-
SHASTA	-	-	-	-	-	-	-	-	-	4	43
SISKIYOU	-	-	-	-	-	-	-	-	-	2	10
SOLANO	27	-	-	8	-	-	-	2	-	2	-
STANISLAUS	-	-	-	-	-	-	-	-	-	1	-
SUTTER	3	-	-	-	-	-	-	18	-	-	5
TEHAMA	-	-	1	-	-	-	-	-	-	-	2
TRINITY	-	-	-	1	-	-	-	-	-	-	-
TULARE	-	-	-	-	4	-	-	1	-	-	-
VENTURA	-	-	-	-	1	7	-	-	-	-	-
YOLO	2	-	-	2	-	-	-	9	-	1	-
YUBA	2	-	-	-	-	-	-	1	-	-	-
ALL OTHER	2	1	-	1	2	2	9	-	1	9	-
TOTAL	100	100	100	100	100	100	100	100	100	100	100

TABLE 7-E

WHERE METROPOLITAN AREA DEER HUNTERS BAGGED THEIR DEER - 1980
 EXPRESSED IN PERCENT OF BAG BY METROPOLITAN AREA HUNTERS IN THE COUNTIES THEY HUNTED
 (STATEWIDE BAG 61,060)

PERCENTAGE OF STATE BAG	(6%) BAY AREA	(3%) CHICO AREA	(3%) FRESNO AREA	(6%) EUREKA AREA	(2%) BKSFLD. AREA	(5%) L.A. AREA	(4%) SACTO. AREA	(1%) S.DIEGO AREA	(2%) STOCKTON AREA	(4%) SAN JOSE AREA	(5%) REDDING AREA
ALAMEDA S.F. CON.COSTA COUNTIES											
ALAMEDA	6	-	-	-	-	-	-	-	-	2	-
ALPINE	2	-	-	-	-	-	2	6	14	3	-
AMADOR	1	-	-	-	-	-	2	-	-	-	-
BUTTE	4	45	-	-	-	-	1	2	-	-	-
CALAVERAS	2	-	-	-	-	-	-	-	11	-	-
COLUSA	1	-	-	-	-	-	7	-	7	-	-
CONTRA COSTA	-	-	-	-	-	-	-	-	-	-	-
EL DORADO	2	-	-	-	-	-	15	-	-	2	-
FRESNO	-	-	71	-	-	3	14	-	-	3	-
GLENN	1	-	-	-	-	1	-	-	-	8	-
HUMBOLDT	7	2	-	76	-	3	1	7	-	1	-
INYO	-	-	-	-	-	3	1	-	6	-	-
KERN	-	-	-	3	-	63	13	-	-	-	-
LAKE	4	-	-	-	-	-	1	2	-	-	-
LASSEN	4	5	6	-	1	-	4	7	-	-	7
LOS ANGELES	1	-	-	-	-	-	14	-	-	-	-
MADERA	-	-	-	3	-	-	-	-	-	2	-
MARIPOSA	-	-	-	-	-	-	-	-	-	1	-
MENDOCINO	13	5	2	-	2	-	-	-	-	2	-
MODOC	9	2	-	-	-	-	14	5	-	2	-
MONO	-	3	-	-	-	-	14	4	-	2	-
MONTEREY	2	-	-	7	-	-	14	5	-	3	-
NAPA	1	1	-	-	-	-	14	2	-	-	-
NEVADA	-	2	-	-	-	-	14	2	-	-	-
ORANGE	-	-	-	-	-	-	14	2	-	-	-
PLACER	-	-	-	-	-	-	13	-	-	-	-
PLUMAS	4	-	13	-	-	-	-	-	-	3	-
RIVERSIDE	-	-	-	-	-	-	-	-	-	-	-
SACRAMENTO	-	-	-	-	-	-	-	-	-	-	-
SAN BENITO	1	-	-	-	-	-	-	-	-	2	-
SAN BERNARDINO	-	-	-	-	-	-	-	-	-	-	-
SAN DIEGO	-	-	-	-	-	-	-	56	-	-	-
SAN JOAQUIN	-	-	-	-	-	-	-	-	7	-	-
SAN LUIS OBISPO	-	-	-	2	-	-	-	11	-	2	-
SAN MATEO	1	-	-	-	-	-	-	-	-	3	-
SANTA BARBARA	-	-	-	-	-	3	-	-	-	-	-
SANTA CLARA	-	-	-	-	-	1	1	-	-	33	-
SHASTA	-	5	4	-	-	1	4	-	-	-	53
SIERRA	-	1	3	2	-	-	3	-	-	7	-
SISKIYOU	1	-	3	2	-	-	3	-	-	12	-
SONOMA	5	-	3	-	-	-	-	1	-	3	-
STANISLAUS	-	-	-	-	-	-	-	-	-	7	-
TEHAMA	7	-	16	2	19	6	3	1	-	3	10
TRINITY	5	-	3	-	-	3	3	-	-	3	8
TULARE	-	-	-	-	-	2	1	-	-	-	-
TUOLUMNE	3	-	-	-	-	-	-	-	14	7	-
VENTURA	-	-	-	-	-	-	-	-	-	-	-
YOLO	1	-	-	-	-	-	-	-	-	-	-
YUBA	-	-	-	-	-	-	-	-	-	-	-
ALL OTHERS	1	-	-	2	-	-	1	4	-	2	-
TOTAL	100	100	100	100	100	100	100	100	100	100	100

		PHEASANTS		QUAIL		DOVE	
		BAG	HUNTERS	BAG	HUNTERS	BAG	HUNTERS
1	Alameda	2,451	645	16,211	1,204	17,286	1,376
2	Alpine	-	-	258	129	-	-
3	Amador	4,558	516	28,165	1,806	20,855	1,290
4	Butte	48,246	10,234	20,339	3,440	72,197	4,816
5	Calaveras	1,075	172	22,403	1,720	15,910	1,075
6	Colusa	34,271	9,073	12,255	1,333	47,300	3,397
7	Contra Costa	19,049	3,440	4,988	817	30,616	2,365
8	Del Norte	-	-	5,805	430	258	43
9	El Dorado	43	86	21,758	2,494	13,029	1,118
10	Fresno	19,221	8,901	93,697	7,052	260,881	12,470
11	Glenn	15,867	4,730	5,547	903	34,701	2,107
12	Humboldt	172	43	25,800	3,139	1,935	430
13	Imperial	6,063	3,354	67,424	6,579	350,321	22,188
14	Inyo	430	645	27,305	2,838	60,587	2,838
15	Kern	14,147	6,450	241,832	15,867	345,548	17,028
16	Kings	5,418	3,053	9,460	860	69,015	3,698
17	Lake	215	215	35,217	2,365	29,369	1,806
18	Lassen	3,956	1,806	35,647	3,483	44,634	3,225
19	Los Angeles	602	344	60,200	6,493	46,397	3,741
20	Madera	6,923	2,666	30,272	2,408	72,842	3,870
21	Marin	1,161	473	3,440	258	2,580	516
22	Mariposa	-	-	16,684	1,204	5,547	430
23	Mendocino	1,677	215	39,818	3,354	6,407	860
24	Merced	25,800	8,815	18,361	1,849	119,024	6,407
25	Modoc	7,353	1,806	22,403	1,634	15,351	1,075
26	Mono	301	215	4,171	817	7,439	602
27	Monterey	1,032	516	108,231	6,450	57,362	3,784
28	Napa	2,924	516	14,362	1,634	35,518	1,849
29	Nevada	215	43	13,158	989	5,590	516
30	Orange	1,634	430	3,612	688	11,180	774
31	Placer	8,127	2,236	21,414	2,666	24,897	2,537
32	Plumas	-	-	12,685	1,720	4,902	430
33	Riverside	16,168	2,236	117,046	10,836	246,003	16,168
34	Sacramento	38,743	10,664	8,557	1,204	61,619	5,375
35	San Benito	430	387	25,585	1,548	21,844	903
36	San Bernardino	4,128	1,462	178,192	13,158	100,362	8,385
37	San Diego	1,634	258	71,423	6,708	86,258	4,687
38	SONOMA COUNTY	-	-	-	-	-	-
39	San Joaquin	38,270	10,621	16,168	2,838	85,613	6,708
40	San Luis Obispo	559	129	73,487	4,386	47,257	2,881
41	San Mateo	301	43	645	86	344	86
42	Santa Barbara	-	-	74,476	4,472	30,358	2,322
43	Santa Clara	2,666	860	26,359	1,677	31,347	1,978
44	Santa Cruz	-	86	9,030	903	7,568	516
45	Shasta	2,580	1,333	65,403	5,719	54,782	3,827
46	Sierra	-	-	2,365	430	86	86
47	Siskiyou	10,578	4,429	26,144	2,838	26,789	2,193
48	Solano	51,858	10,535	4,515	645	32,250	2,236
49	Sonoma	8,858	1,419	19,909	1,892	23,650	2,064
50	Stanislaus	31,820	8,342	29,197	2,451	74,132	5,375
51	Sutter	44,290	9,718	6,063	1,032	48,762	3,268
52	Tehama	8,729	2,752	38,055	3,870	69,402	4,429
53	Trinity	-	43	18,103	2,322	645	172
54	Tulare	17,501	8,471	60,716	5,031	200,380	9,804
55	Tuolumne	43	43	26,832	2,236	7,783	946
56	Ventura	172	43	54,395	4,171	46,354	2,752
57	Yolo	46,827	11,997	8,514	1,462	59,297	4,945
58	Yuba	19,565	3,053	13,803	1,290	19,092	1,505
	Unknown	7,998	3,870	12,857	2,838	50,955	3,397
	Total	586,649	164,432	2,030,761	174,666	3,262,410	205,669

1980 HUNTER SURVEY - BAG AND HUNTERS

CHUKAR

SAGE GROUSE

SIERRA & RUFFED GROUSE

		Bag	Hunters	Bag	Hunters	Bag	Hunters
1	Alameda	-	-	-	-	-	-
2	Alpine	172	43	-	-	258	172
3	Amador	2,838	258	-	-	43	43
4	Butte	-	-	-	-	-	-
5	Calaveras	-	-	-	-	-	-
6	Colusa	-	-	-	-	-	-
7	Contra Costa	-	-	-	-	-	-
8	Del Norte	430	43	172	43	258	86
9	El Dorado	-	-	-	-	817	129
10	Fresno	2,752	1,204	43	86	559	387
11	Glenn	-	-	-	-	172	43
12	Humboldt	-	-	215	215	1,376	946
13	Imperial	1,075	86	-	-	-	-
14	Inyo	7,697	2,924	215	301	86	215
15	Kern	25,972	7,697	86	86	129	86
16	Kings	129	86	-	-	86	43
17	Lake	43	86	-	-	903	43
18	Lassen	31,863	4,042	1,505	1,806	430	516
19	Los Angeles	387	344	-	-	-	-
20	Madera	-	-	-	-	86	43
21	Marin	-	-	-	-	-	-
22	Mariposa	-	-	-	-	-	-
23	Mendocino	-	43	43	86	645	387
24	Merced	645	172	43	43	-	-
25	Modoc	1,935	430	602	645	86	86
26	Mono	1,806	989	1,978	1,849	430	344
27	Monterey	-	-	-	-	-	-
28	Napa	-	43	-	-	-	-
29	Nevada	301	129	-	-	258	387
30	Orange	-	-	-	-	-	43
31	Placer	-	43	-	-	43	215
32	Plumas	172	215	215	129	344	645
33	Riverside	4,515	559	-	-	-	-
34	Sacramento	-	-	-	-	-	-
35	San Benito	258	387	-	-	-	-
36	San Bernardino	16,555	6,622	-	-	-	-
37	San Diego	1,548	215	-	-	-	-
38	SAN FRANCISCO	-	-	-	-	-	-
39	San Joaquin	946	86	172	43	86	43
40	San Luis Obispo	1,935	387	-	-	-	-
41	San Mateo	-	-	-	-	-	-
42	Santa Barbara	1,376	172	-	-	-	-
43	Santa Clara	-	-	-	-	-	-
44	Santa Cruz	-	-	-	-	-	-
45	Shasta	-	-	172	86	-	129
46	Sierra	172	129	-	-	387	215
47	Siskiyou	-	-	559	215	1,462	1,290
48	Solano	344	86	-	-	-	-
49	Sonoma	645	43	-	-	129	43
50	Stanislaus	172	86	43	43	-	-
51	Sutter	-	-	-	-	-	43
52	Tehama	-	-	-	-	86	43
53	Trinity	86	43	-	-	688	473
54	Tulare	-	129	-	43	86	129
55	Tuolumne	344	43	86	43	86	172
56	Ventura	301	129	-	-	-	-
57	Yolo	-	43	-	-	-	43
58	Yuba	-	43	-	-	-	43
	Unknown	4,128	903	129	86	-	-
	Total	111,542	28,982	6,278	5,848	10,019	7,525

1980 Hunter Survey - Bag and Hunters

Cottontail &
Brush Rabbits

		Pigeons		Jackrabbits		Cottontail & Brush Rabbits	
		Bag	Hunters	Bag	Hunters	Bag	Hunters
1	Alameda	989	215	10,191	860	2,494	731
2	Alpine	-	43	258	43	731	215
3	Amador	3,397	774	3,096	645	2,924	387
4	Butte	6,364	1,075	8,170	1,763	1,634	473
5	Calaveras	7,267	645	817	172	602	172
6	Colusa	903	86	4,429	946	1,032	258
7	Contra Costa	129	43	5,375	860	129	43
8	Del Norte	989	387	-	-	-	-
9	El Dorado	6,622	903	1,634	301	1,505	344
10	Fresno	1,548	387	21,113	2,537	17,243	3,526
11	Glenn	1,462	301	5,117	731	946	129
12	Humboldt	2,580	774	2,838	688	2,494	731
13	Imperial	215	129	11,481	2,408	26,746	4,042
14	Inyo	-	-	33,540	2,236	14,878	2,365
15	Kern	3,784	1,591	144,996	11,223	109,349	12,427
16	Kings	860	43	6,708	731	4,386	774
17	Lake	215	43	10,621	1,376	1,419	516
18	Lassen	-	-	75,035	3,354	11,481	3,053
19	Los Angeles	731	387	28,810	3,311	25,714	3,698
20	Madera	516	258	9,589	946	7,912	1,118
21	Marin	258	43	602	215	86	86
22	Mariposa	86	43	86	43	817	215
23	Mendocino	4,472	903	11,524	1,204	5,031	430
24	Merced	215	43	27,864	1,892	18,619	2,193
25	Modoc	215	86	33,626	1,204	5,332	1,075
26	Mono	-	-	6,665	817	4,773	731
27	Monterey	10,922	2,494	29,369	2,064	40,506	3,870
28	Napa	430	129	5,461	645	172	86
29	Nevada	2,494	387	1,075	301	43	43
30	Orange	-	-	774	215	3,655	559
31	Placer	2,838	645	3,354	989	1,935	473
32	Plumas	3,311	344	1,376	258	1,204	602
33	Riverside	1,634	344	31,433	5,117	44,634	6,622
34	Sacramento	-	-	19,952	1,591	3,483	817
35	San Benito	-	-	2,924	430	8,342	946
36	San Bernardino	1,548	387	132,010	10,105	86,129	11,008
37	San Diego	3,655	1,161	9,460	2,107	39,517	4,429
38	SAN FRANCISCO						
39	San Joaquin	516	129	37,023	3,010	9,761	1,505
40	San Luis Obispo	1,634	430	14,964	1,161	17,200	2,580
41	San Mateo	-	-	344	86	1,075	172
42	Santa Barbara	1,333	516	12,814	1,118	21,930	2,021
43	Santa Clara	1,247	258	10,793	602	3,096	559
44	Santa Cruz	1,505	430	2,236	172	1,505	430
45	Shasta	12,470	1,892	9,159	1,720	1,763	774
46	Sierra	1,591	387	1,161	172	774	258
47	Siskiyou	8,256	903	12,298	1,591	4,300	731
48	Solano	-	-	8,772	1,548	559	129
49	Sonoma	3,741	688	6,020	1,333	473	215
50	Stanislaus	946	258	23,908	2,107	16,727	1,978
51	Sutter	860	129	5,504	1,118	1,118	387
52	Tehama	2,451	387	8,213	1,505	516	258
53	Trinity	6,837	946	645	215	301	172
54	Tulare	3,956	688	13,029	2,365	16,082	2,709
55	Tuolumne	8,385	903	172	258	903	301
56	Ventura	1,075	344	6,364	1,247	27,907	2,881
57	Yolo	1,118	172	12,642	2,107	1,634	559
58	Yuba	3,182	430	3,354	602	817	344
	Unknown	1,075	387	10,965	1,806	10,406	2,107
	Total	132,827	25,370	901,753	90,171	636,744	90,257

1980 HUNTER SURVEY - BAG AND HUNTERS

4

		Squirrels		Turkeys	
		Bag	Hunters	Bag	Hunters
1	Alameda	129	43	-	43
2	Alpine	172	172	-	-
3	Amador	3,053	774	-	129
4	Butte	7,052	2,107	43	688
5	Calaveras	4,257	1,247	129	559
6	Colusa	645	387	43	129
7	Contra Costa	215	43	-	-
8	Del Norte	731	215	-	-
9	El Dorado	6,278	1,935	86	731
10	Fresno	4,558	1,849	-	43
11	Glenn	1,505	516	-	-
12	Humboldt	6,192	1,548	-	43
13	Imperial	-	43	301	43
14	Inyo	-	-	-	-
15	Kern	16,813	3,311	-	129
16	Kings	86	43	-	-
17	Lake	3,010	1,161	43	86
18	Lassen	1,548	774	-	43
19	Los Angeles	1,032	172	-	-
20	Madera	2,193	817	86	129
21	Marin	86	43	-	-
22	Mariposa	2,666	946	-	-
23	Mendocino	4,730	1,634	387	258
24	Merced	-	43	-	-
25	Modoc	1,505	559	-	-
26	Mono	43	86	-	-
27	Monterey	2,408	860	-	215
28	Napa	1,118	516	43	129
29	Nevada	2,752	817	344	860
30	Orange	258	43	-	-
31	Placer	3,526	1,204	129	430
32	Plumas	3,139	1,204	86	43
33	Riverside	-	-	-	43
34	Sacramento	559	215	-	172
35	San Benito	-	-	-	-
36	San Bernardino	387	129	-	-
37	San Diego	1,505	43	-	43
38	San Francisco	-	-	-	-
39	San Joaquin	602	215	-	-
40	San Luis Obispo	172	86	602	559
41	San Mateo	86	43	-	-
42	Santa Barbara	731	86	-	172
43	Santa Clara	645	215	-	129
44	Santa Cruz	516	129	-	-
45	Shasta	18,920	3,913	731	1,935
46	Sierra	946	344	-	43
47	Siskiyou	16,512	2,709	-	129
48	Solano	430	172	-	129
49	Sonoma	2,150	645	43	43
50	Stanislaus	774	301	-	-
51	Sutter	473	215	86	172
52	Tehama	10,750	2,322	731	1,161
53	Trinity	8,041	2,537	-	43
54	Tulare	8,213	2,795	-	43
55	Tuolumne	7,267	2,150	-	129
56	Ventura	473	215	-	-
57	Yolo	473	129	-	86
58	Yuba	2,494	516	86	774
	Unknown	2,537	1,548	86	301
	Total	167,356	46,784	4,085	10,836

Jacksnipe

Coots

		Bag	Hunters	Bag	Hunters
1	Alameda	-	-	215	129
2	Alpine	-	-	-	-
3	Amador	-	-	215	86
4	Butte	3,526	774	11,438	1,333
5	Calaveras	-	-	43	43
6	Colusa	5,246	645	23,736	1,634
7	Contra Costa	1,290	172	1,591	301
8	Del Norte	43	86	5,375	172
9	El Dorado	86	43	645	43
10	Fresno	1,505	344	8,170	860
11	Glenn	215	43	8,471	602
12	Humboldt	3,784	344	12,040	387
13	Imperial	1,204	86	9,417	1,032
14	Inyo	-	86	946	129
15	Kern	2,150	129	20,554	903
16	Kings	258	43	-	-
17	Lake	-	-	1,075	129
18	Lassen	-	43	43	43
19	Los Angeles	-	-	430	86
20	Madera	-	-	903	129
21	Marin	-	-	-	-
22	Mariposa	-	-	-	-
23	Mendocino	1,032	86	2,322	129
24	Merced	7,826	1,075	27,133	1,806
25	Modoc	43	129	7,955	344
26	Mono	-	43	2,408	129
27	Monterey	1,075	86	3,827	344
28	Napa	215	129	946	172
29	Nevada	-	-	645	43
30	Orange	258	43	1,247	86
31	Placer	129	86	473	86
32	Plumas	-	-	1,419	301
33	Riverside	-	-	1,462	301
34	Sacramento	2,967	387	2,623	473
35	San Benito	43	43	-	-
36	San Bernardino	860	43	11,954	473
37	San Diego	43	43	4,042	301
38	San Francisco	-	-	-	-
39	San Joaquin	6,020	473	16,297	989
40	San Luis Obispo	1,290	86	129	43
41	San Mateo	172	43	-	43
42	Santa Barbara	860	43	817	43
43	Santa Clara	-	-	516	129
44	Santa Cruz	43	43	774	86
45	Shasta	344	86	8,428	387
46	Sierra	-	-	43	43
47	Siskiyou	301	86	1,806	215
48	Solano	1,075	301	7,267	817
49	Sonoma	1,892	301	3,612	172
50	Stanislaus	989	344	6,751	645
51	Sutter	817	473	8,127	1,032
52	Tehama	-	86	1,591	129
53	Trinity	-	-	-	-
54	Tulare	-	-	559	86
55	Tuolumne	-	-	215	43
56	Ventura	-	-	3,440	172
57	Yolo	645	129	8,643	516
58	Yuba	688	215	1,247	129
	Unknown	1,763	559	7,396	602
	Total	50,697	8,299	251,421	19,350

1980 HUNTER SURVEY - BAG AND HUNTERS

Ducks

Geese

		Bag	Hunters	Bag	Hunters
1	Alameda	17,544	903	172	129
2	Alpine	-	-	-	-
3	Amador	4,343	473	473	258
4	Butte	164,217	8,471	9,030	3,612
5	Calaveras	4,128	258	645	172
6	Colusa	272,061	14,491	19,049	7,138
7	Contra Costa	42,957	1,892	258	258
8	Del Norte	14,276	1,032	86	86
9	El Dorado	1,720	172	-	-
10	Fresno	75,465	5,418	1,462	1,032
11	Glenn	47,128	3,526	6,407	1,677
12	Humboldt	33,669	2,279	731	301
13	Imperial	74,519	8,428	4,902	4,171
14	Inyo	9,073	1,505	559	602
15	Kern	60,716	6,278	1,333	1,075
16	Kings	11,180	602	2,451	387
17	Lake	3,010	473	129	129
18	Lassen	33,282	3,139	5,246	2,322
19	Los Angeles	5,891	473	129	258
20	Madera	9,804	688	602	258
21	Marin	7,052	688	43	43
22	Mariposa	215	43	129	43
23	Mendocino	3,440	516	-	43
24	Merced	270,212	14,061	5,031	3,612
25	Modoc	44,634	4,128	11,825	4,128
26	Mono	3,569	774	344	430
27	Monterey	6,708	731	215	129
28	Napa	19,823	1,376	473	473
29	Nevada	2,838	430	43	215
30	Orange	645	172	86	129
31	Placer	9,632	1,204	215	301
32	Plumas	13,330	1,634	1,591	817
33	Riverside	20,511	2,967	1,204	1,118
34	Sacramento	40,463	3,956	2,881	1,806
35	San Benito	10,664	301	43	86
36	San Bernardino	15,867	2,193	946	774
37	San Diego	20,769	1,978	1,290	946
38	San Francisco				
39	San Joaquin	72,025	4,128	3,827	1,376
40	San Luis Obispo	9,761	1,204	86	129
41	San Mateo	3,096	344	-	-
42	Santa Barbara	6,923	516	387	258
43	Santa Clara	16,856	817	86	86
44	Santa Cruz	2,881	172	86	43
45	Shasta	20,855	2,365	1,118	1,032
46	Sierra	1,806	258	301	129
47	Siskiyou	73,487	6,493	12,083	4,515
48	Solano	169,033	9,288	1,591	1,978
49	Sonoma	13,029	1,333	258	258
50	Stanislaus	17,200	1,935	172	258
51	Sutter	85,441	5,805	3,354	2,623
52	Tehama	9,116	1,247	1,118	645
53	Trinity	1,849	258	86	86
54	Tulare	7,009	946	344	430
55	Tuolumne	1,247	344	43	129
56	Ventura	21,371	860	86	43
57	Yolo	60,587	4,429	1,763	1,591
58	Yuba	45,666	2,193	559	688
	Unknown	24,252	1,978	1,462	731
	Total	2,038,845	144,566	108,833	55,986

1980 HUNTER SURVEY - BAG AND HUNTERS

		Deer		Bear		Boar	
		Bag	Hunters	Bag	Hunters	Bag	Hunters
1	Alameda	301	1,161	-	86	-	43
2	Alpine	860	6,020	-	172	-	-
3	Amador	344	3,225	43	172	-	-
4	Butte	1,075	7,869	43	946	43	172
5	Calaveras	559	5,203	43	344	-	-
6	Colusa	602	1,634	-	43	-	-
7	Contra Costa	43	430	-	-	-	-
8	Del Norte	215	1,290	86	430	-	-
9	El Dorado	1,247	12,728	43	903	-	43
10	Fresno	1,634	11,223	43	1,333	344	946
11	Glenn	1,032	3,311	43	215	-	129
12	Humboldt	3,827	9,804	43	645	602	817
13	Imperial	86	817	-	-	-	-
14	Inyo	688	5,160	-	129	-	-
15	Kern	1,591	10,707	-	1,161	-	129
16	Kings	43	344	-	-	430	516
17	Lake	989	4,902	43	344	172	559
18	Lassen	2,838	14,663	-	215	-	86
19	Los Angeles	559	6,235	-	516	516	602
20	Madera	430	4,128	-	387	-	43
21	Marin	688	1,075	-	-	-	-
22	Mariposa	172	2,752	43	344	-	-
23	Mendocino	3,784	12,169	387	860	4,558	2,967
24	Merced	430	1,290	-	86	860	774
25	Modoc	2,193	13,588	-	43	-	-
26	Mono	1,677	9,632	-	215	-	-
27	Monterey	2,623	7,181	-	-	6,880	7,009
28	Napa	989	2,064	-	-	43	43
29	Nevada	860	5,676	43	387	430	86
30	Orange	86	731	-	-	-	-
31	Placer	258	5,676	43	688	-	129
32	Plumas	2,494	16,082	129	1,075	-	-
33	Riverside	387	3,526	-	129	-	-
34	Sacramento	43	344	-	-	-	-
35	San Benito	989	2,752	-	-	3,999	2,967
36	San Bernardino	473	8,342	-	989	43	43
37	San Diego	473	7,181	-	-	43	43
38	SEXYEXAMINOS						
39	San Joaquin	86	387	-	-	43	86
40	San Luis Obispo	1,548	6,235	-	-	860	1,720
41	San Mateo	129	301	-	-	-	-
42	Santa Barbara	1,720	4,988	-	86	2,236	1,591
43	Santa Clara	1,075	2,494	-	-	1,204	989
44	Santa Cruz	129	387	-	-	129	215
45	Shasta	2,580	15,609	602	1,333	-	86
46	Sierra	1,118	5,246	43	430	-	-
47	Siskiyou	3,569	17,200	215	1,376	-	-
48	Solano	86	301	-	-	-	-
49	Sonoma	1,290	4,214	-	43	4,386	2,709
50	Stanislaus	473	2,193	-	86	344	172
51	Sutter	86	344	-	-	-	43
52	Tehama	3,139	12,384	129	817	645	1,806
53	Trinity	2,967	14,448	731	1,419	172	172
54	Tulare	602	8,170	-	1,806	172	258
55	Tuolumne	1,204	11,868	86	1,204	-	-
56	Ventura	516	3,655	-	387	301	301
57	Yolo	215	1,290	-	86	-	43
58	Yuba	172	2,150	-	129	-	43
	Unknown	774	23,435	86	1,290	258	1,806
	Total	61,060	348,214	2,967	23,349	29,713	30,229

1980 HUNTER SURVEY - BAG AND HUNTERS

Coyote

Bobcat

		Bag	Hunters	Bag	Hunters
1	Alameda	215	344	43	43
2	Alpine	86	86	-	-
3	Amador	1,892	387	-	86
4	Butte	215	258	-	43
5	Calaveras	2,021	559	-	43
6	Colusa	129	172	-	43
7	Contra Costa	43	43	-	-
8	Del Norte	-	-	-	43
9	El Dorado	602	559	172	215
10	Fresno	1,591	1,075	129	129
11	Glenn	129	258	-	-
12	Humboldt	473	473	172	301
13	Imperial	2,623	602	215	172
14	Inyo	903	516	-	-
15	Kern	3,225	1,677	688	301
16	Kings	258	258	-	-
17	Lake	1,032	860	-	86
18	Lassen	1,591	1,505	43	86
19	Los Angeles	2,322	1,333	-	86
20	Madera	1,333	602	43	43
21	Marin	-	-	-	-
22	Mariposa	301	258	43	86
23	Mendocino	1,849	817	301	344
24	Merced	172	344	-	86
25	Modoc	4,171	1,333	-	215
26	Mono	903	473	-	43
27	Monterey	301	387	129	172
28	Napa	1,032	344	-	-
29	Nevada	559	301	-	43
30	Orange	473	215	43	43
31	Placer	344	387	-	129
32	Plumas	731	645	-	-
33	Riverside	2,408	1,032	43	129
34	Sacramento	-	-	-	-
35	San Benito	344	215	43	43
36	San Bernardino	4,429	2,365	129	344
37	San Diego	3,096	1,677	86	258
38	San Francisco	-	-	-	-
39	San Joaquin	559	215	-	-
40	San Luis Obispo	344	301	43	129
41	San Mateo	172	129	-	-
42	Santa Barbara	2,623	645	172	215
43	Santa Clara	946	387	86	86
44	Santa Cruz	129	86	-	-
45	Shasta	1,032	946	-	129
46	Sierra	473	301	-	-
47	Siskiyou	1,892	1,247	172	86
48	Solano	129	172	-	-
49	Sonoma	817	387	-	86
50	Stanislaus	817	516	-	-
51	Sutter	129	86	-	-
52	Tehama	1,505	1,419	-	86
53	Trinity	473	473	-	86
54	Tulare	903	473	86	86
55	Tuolumne	1,118	559	430	129
56	Ventura	1,763	731	129	215
57	Yolo	473	258	-	43
58	Yuba	86	215	-	-
	Unknown	903	903	-	301
	Total	59,082	32,809	3,440	5,332