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DEPARTMENT OF FISH AND GAME

P.O. Box 1480
Redding, CA 96001
(916) 246-6511

April 17, 1978

Mr. Al Denniston
Lassen National Park
Mineral, CA 96063

Dear Al:

Enclosed are the highway 44 deer kill data and East Tehama deer composition figures that we discussed. I have also included a map showing fawn road kills from 1973 thru 1976. The spots indicate a fawn kill during the months of July, August and September. Since new fawns (1-4 months old) would not likely move much from their birthplace, the clusters of road kills should provide a reasonable indication of fawning areas. Two concentration areas are obvious. One occurs from approximately Viola to the park entrance. The other from Derch Ranch to Old Station.

I also have included a summary of deer kill (all ages and both bucks and does) per mile on a year around basis. This indicates a significant concentration area between mile posts 43 and 51.

Buck kills and herd composition data for the East Tehama Deer Herd are attached. We do not have many composition counts for the Whitmore area (Cow Creek Deer Herd). What little we have indicates similar trends with East Tehama.

If I can provide you with any other information please call.

Very truly yours,

A handwritten signature in blue ink that reads 'D.O. Smith' with a stylized 'st' at the bottom right.

D.O. Smith
Assistant Wildlife Manager-Biologist
Region 1

Enclosures

DOS:pb

Highway Deer Kill in Manzanita
Chutes Area-Mile Post 43-51

Deer Kill per mile in Manzanita Chutes Area compared to Highway 44 from
Redding to Shasta-Lassen County line.

	<u>Manzanita</u>	<u>Chutes</u>	<u>All of Hwy. 44</u>
1973	2.1	- Mile	1.6 - Mile
1974	3.5	- Mile	1.4 - Mile
1975	4.7	- Mile	1.3 - Mile
1976	3.0	- Mile	1.4 - Mile
4 Yr. Average	3.3	- Mile	1.4 - Mile

The annual deer kill per mile from 1973 thru 1976 in the Manzanita Chutes area
was 2.5 times higher than the kill per mile on Highway 44 in Shasta County.

East Tehama Deer Herd Composition
And Kill Data

<u>Year</u>	<u>Buck Kill</u>	<u>Bucks/100 does</u> <u>Fall (Dec)</u>	<u>Fawns/100 does</u> <u>Fall (Dec)</u>	<u>Spring (April)</u>
1977	1,543	16	37	36
1976	1,353	14	59	53
1975	1,246	12	64	41
1974	905	9	52	46
1973	1,032	9	56	10
1972	1,639	10	21	17
1971	2,542	18	38	29
1970	1,721	14	39	38
1969	2,482	19	64	43
1968	1,506	14	59	34
1967	1,040	13	52	29
1966	2,415	11	38	24
1965	2,408	16	43	43
1964	1,467	15	54	33
1963	1,487	13	69	62
1962	1,042	21	66	--
1961	1,831	14	43	--

Note: Spring fawn ratio is what remains of the previous years fall count.

Example: Of 64 fawns/100 does in fall of 1975, 53 per/100 does were left in Spring of 1976.