



Planning and Resource Management for Our Communities and the Environment

2 April 2002

Scott E. Shewbridge
Senior Engineer - Hydroelectric
El Dorado Irrigation District
2890 Mosquito Road
Placerville, California 95667

Subject: Technical Memorandum Number 4 - Deer Mortality Records for
El Dorado Canal 1983-1998

Dear Mr. Shewbridge:

Attached please find the final deer mortality records associated with the canal requested by the Forest Service for the El Dorado Irrigation District project license application, FERC No. 184. This is a final draft for distribution. The mortality records documented from 1983-1998 were recorded by P.G. & E.

The primary preparers of this report are listed below:

EIP Associates
Roy Leidy
Soraya Romero
Russell Kobayashi, RPF No. 2725

Should you have any questions or wish to discuss this report please contact me.

Sincerely,

A handwritten signature in black ink that reads 'Roy Leidy' in a cursive script.

Roy Leidy
Director, Fisheries and Aquatic Resources

Attachment

EL DORADO IRRIGATION DISTRICT FEDERAL ENERGY REGULATORY COMMISSION PROJECT NUMBER 184

DEER MORTALITY RECORDS FOR EL DORADO CANAL 1983-1998

In order to assess the condition and efficacy of wildlife fences, crossings, and escape structures associated with the El Dorado canal the Forest Service requested a review of historic data on wildlife mortality associated with the canal and the efficacy of existing wildlife escape structures in preventing mortality (page 50, *Forest Service Response to Initial Stage Consultation Package*, 22, September 1998).

The following table documents the deer mortality records for the El Dorado Canal for the years between 1983-1998. Data was obtained from two locations on the canal, Camp 1 (Siphon Alder Creek) and Camp 2 (Plum Creek). A total of 71 dead deer from Camp 1 and 36 dead deer from Camp 2 were found in the canal during the fifteen year period. Dead deer were found at both locations during the years 1984-1992. There were no dead deer found at Camp 2 for the years 1993-1998. There were no dead deer found at Camp 1 for the years 1993-1995 and 1997. It is unclear why deer mortality records differ from year to year.

DEER MORTALITY RECORDS FOR EL DORADO CANAL 1983-1998		
Year	Location	
	Camp 1 Siphon Alder Creek	Camp 2 Plum Creek
1998	1 doe dead	0
1997	0	0
1996	5 does dead	0
1995	0	0
1994	0	0
1993	0	0
1992	1 buck dead 1 doe dead	1 doe alive 1 buck dead 1 does dead
1991	7 does dead 1 buck alive	1 buck alive 1 doe alive 1 does dead
1990	4 does dead 2 yearlings dead	1 buck dead 1 yearling dead
1989	3 does dead	2 yearlings dead 2 fawns dead
1988	2 bucks dead 3 does dead 1 fawn dead	5 yearlings dead
1987	1 buck dead 1 doe dead	2 bucks dead 1 fawn dead 1 does dead 1 ? alive 1 buck alive
1986	1 buck dead 8 does dead	4 yearlings dead 2 does dead 3 yearlings alive 2 ? alive
1985	14 does dead 1 buck dead 1 doe alive	2 does dead 2 bucks dead 1 yearling dead 1 ? dead
1984	6 bucks dead 9 does dead	2 does dead 1 buck dead 3 bucks dead 2 does alive
1983	0	0
Source: PG&E, 1998.		