



State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
1701 Nimbus Road, Suite A
(916) 358-2900
Rancho Cordova, CA 95667
www.wildlife.ca.gov

EDMUND G. BROWN JR., Governor
CHARLTON H. BONHAM, Director



To: Kevin Thomas
Senior Environmental Scientist, Supervisor

From: Ben Ewing
District Fisheries Biologist
Alpine, Amador, Calaveras, and Lake Counties

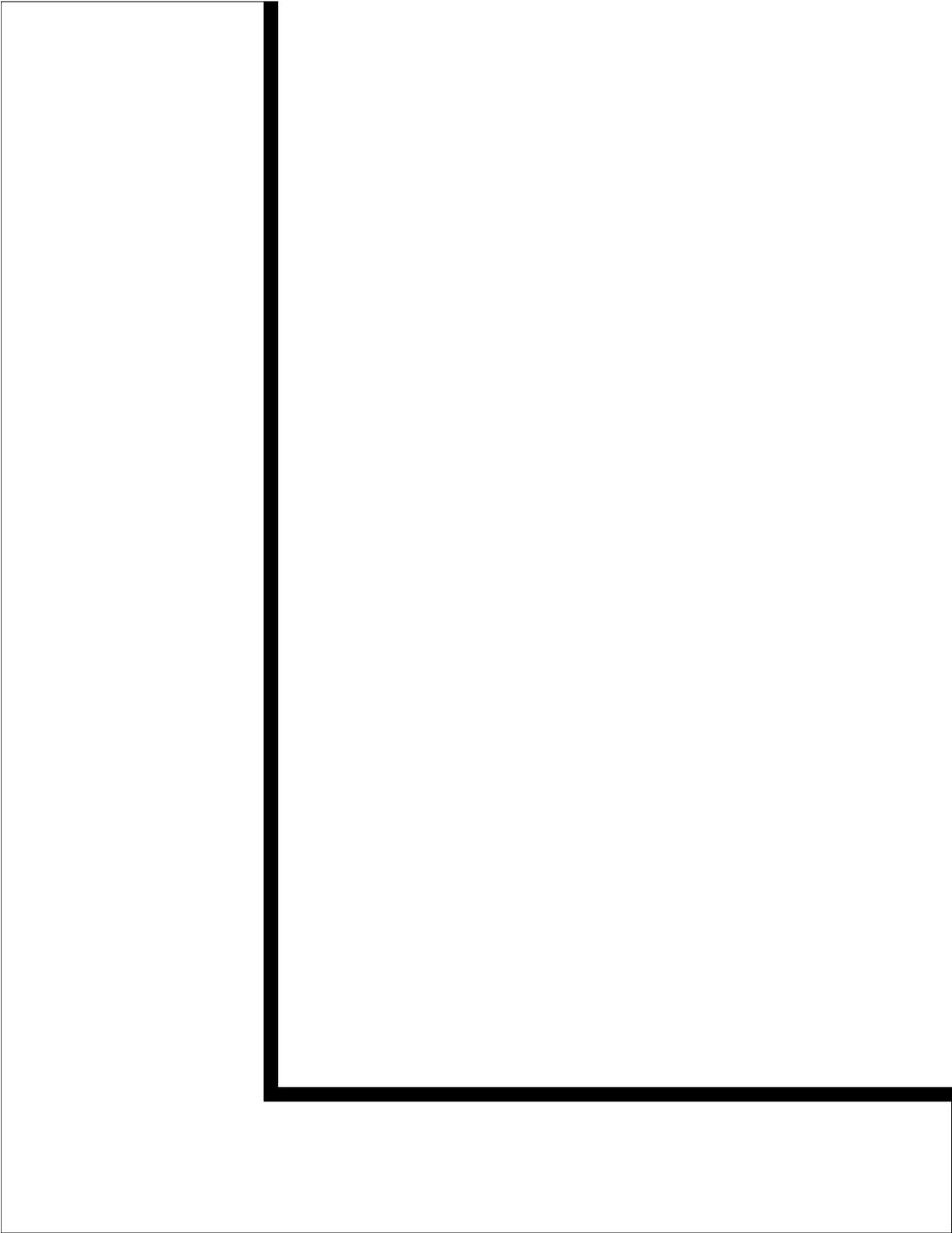
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Frog Lake Fish and Frog Evaluation Survey

On June 5 and 6, 2014, California Department of Fish and Wildlife (Department) completed a fish and frog evaluation at Frog Lake. The purpose of the survey was to determine if there were any trout inhabiting the lake from prior stockings, determine if any Sierra Nevada mountain yellow-legged frog (*Rana sierra*) were present, and to assess if the lake could be added to the Department fish stocking list.

Frog Lake is a small six acre lake in Alpine County located at 38° 41' 16.06 N 119 59' 10.03 W situated at 8,865 feet above mean sea level. The shoreline is a mix of rocks, sand, and conifer forest. The lake bottom appears mostly mud and various sized rock substrate. Maximum depth of the lake at the time of the survey was 21.7 ft. At the time of the survey the lake looked approximately 4 feet down from the high water mark. When Frog Lake spills, water drains into nearby Red Lake. The lake receives water from rain and snowmelt runoff from the immediate area. The lake historically has received fingerling stockings of brook trout (*Salvelinus fontinalis*), rainbow trout (*Oncorhynchus mykiss*), and Lahontan cutthroat trout (*Oncorhynchus clarki henshawi*) with the last recorded plant of rainbow trout in 1999.

A 100 foot long variable mesh size gillnet was set at 14:54 on June 5, on the eastern part of the lake's shoreline extending towards the middle of the lake (Figure 1). The gillnet was pulled at 08:15 on June 6. No fish were recovered in the net.



Department personnel conducted the Fellers Freel 1995 Visual Encounter Survey (VES) Protocol as modified by the Department to conduct the amphibian survey at Frog Lake. The VES began at 14:04 and ended at 14:29 on June 5 where the entire lake shoreline was surveyed. One Pacific tree frog (*Pseudacris regilla*) was observed during the survey (Figure 2). In 2001 during a High Mountain Lakes survey at the lake, no amphibians were observed (CDFW HML Database 2014). Based on the results of the evaluations completed, a pre-stocking evaluation will be written to add Frog Lake to the Department fish stocking list.



Figure 2. Pacific tree frog collected during V.E.S. at Frog Lake, Alpine Co. (B.Ewing, 6/5/2014).

