

ABSTRACT

From 8-July through 25-September, the 2007 sockeye salmon (*Onchorhynchus nerka*) escapement into Klag Lake was estimated by means of weir counts and subsistence and sport harvest was estimated by means of creel surveys. The weir count resulted in a total escapement estimate of 9,194 sockeye salmon. The most abundant age class in 2007 was 1.3 comprising 54.6% of the samples aged. The second largest age class was 1.2 comprising 29.4% of the total sample. The overall escapement was down from 17,695 in 2006 while the subsistence harvest was up from 2,127 to 3,011 sockeye salmon. Subsistence users were primarily responsible for the sockeye salmon harvest with 2,986 of the overall harvest being for subsistence use. Sport anglers reported taking only 25 sockeye salmon. The exploitation rate by sport and subsistence users was approximately 25% of the terminal area abundance.

Key words: Sockeye salmon, *Onchorhynchus nerka*, subsistence, Chichagof Isand, Klag Lake, Sitka, escapement, mark-recapture, weir, harvest survey.