

ABSTRACT

From 14-July through 16-September, the 2008 sockeye salmon (*Onchorhynchus nerka*) escapement into Klag Lake was estimated by means of weir counts and subsistence and sport harvest was estimated by using creel surveys. The weir count resulted in a total escapement estimate of 4,213 sockeye. The peak of the run occurred on 14-August when 744 sockeye passed through the weir. The most abundant age class in 2008 was 1.2 comprising 43.5% of the samples aged. The second largest age class was 1.3 comprising 35.6% of the total sample. Age 1.2 sockeye ranged from 440 mm – 555 mm and age 1.3 ranged from 540 mm – 600 mm. The overall escapement was down from 9,194 in 2007 and the sport and subsistence harvest of 3,011 sockeye was almost identical to the 2007 harvest of 3,011. Subsistence harvesters were primarily responsible for the harvest taking 2,988 sockeye and sport anglers reporting only 25. The exploitation rate on terminal area sockeye abundance was approximately 41%.

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