

Estimation of sockeye salmon escapement into McLees Lake, Unalaska Island, Alaska, 2005

Abstract: The King Salmon Fish and Wildlife Field Office operated a fixed picket weir at the outlet of McLees Lake on Unalaska Island from 29 May to 26 July 2005. Three species of salmon were counted through the weir including 12,097 sockeye *Oncorhynchus nerka*, 1 chum *O. keta*, and 3 pink *O. gorbuscha* salmon. Peak daily passage occurred on 13 June when 919 sockeye salmon were counted through the weir, and peak weekly passage occurred from 19 June to 25 June when 3,727 sockeye salmon were counted. Six hundred and seventy-six sockeye salmon were sampled for age, sex, and length analysis. Of this sample, 89 (13%) scales were unreadable. Five age classes were identified from the 587 readable scales obtained from sockeye salmon sampled at the weir. Age class 1.3 was the most abundant, accounting for 88 % of the sample. Females comprised an estimated 38 % of sockeye salmon sampled in 2005.

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