

Abundance and run timing of adult salmon in Tozitna River.

Abstract: The Tozitna River project is a multi-agency study to determine escapement, run timing, and age-sex-length (ASL) composition of adult Chinook and summer chum salmon in a middle Yukon Basin tributary. A resistance board weir was operated from 23 June to 12 August 2003. High stream discharge from the periods of 2 to 6 July and 26 July to 12 August prevented counting and biological sampling; no interpolation was made for these periods. Comparison of run timing to 2002 and to other tributaries with similar run timing suggests the majority of the Chinook salmon run was counted. The escapement for Chinook salmon was 1,819 (18% female). Age groups 1.2 and 1.3 accounted for 28 and 52% of the escapement, respectively. The escapement for summer chum salmon was 8,487 (34% female). The majority of the summer chum salmon escapement was not counted and ASL composition were determined with partial escapement data. Age 0.3 comprised 86% of the chum escapement.

Sundlov, T.J., C. F. Kretsinger and B. Karlen. 2003. Abundance and Run Timing of Adult Salmon in the Tozitna River, Alaska, 2003. Subsistence Management, Fisheries Resource Monitoring Program, Final Report (Study No. 03-009) U.S. Department of Interior, Bureau of Land Management, Northern Field Office, Tanana Tribal Council