

## **Abundance and Run Timing of Adult Salmon in the Tozitna River, Alaska, 2001-2009**

The Tozitna River project was 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 River Basin tributary. A counting tower and partial weir were operated in 2001 and replaced by a floating resistance board weir from 2002 to 2009. The yearly escapement for Chinook salmon ranged from 494 to 2854 with a mean of 1,449. The age composition for all Chinook samples collected was 0.4 % age-3, 33.3 % age-4, 43.5 % age-5, 22.4 % age-6, and 0.3% age-7. The mean sex composition from strata-weighted sample data ranged from 9.0 % to 30.0 % female with a mean of 18.2 %. The escapement for summer chum salmon ranged from 8,470 to 39,700 with a mean of 21,030. The age composition was 1.8 % age-3, 59.0 % age-4, 37.0 % age-5, 2.1 % age-6, and 0.1 % age-7. The sex composition from strata-weighted sample data ranged from 33.9 % to 55.9% female with a mean of 43.2%.

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