

Abundance and Run Timing of Adult Pacific Salmon in the East Fork Andreafsky River, Yukon Delta National Wildlife Refuge, Alaska, 2007

Abstract

A resistance board weir was used to collect abundance, run timing, and biological data from salmon returning to the East Fork Andreafsky River, a tributary to the lower Yukon River, between June 19 and July 30, 2007. In 2007, an estimated 4,504 Chinook salmon *Oncorhynchus tshawytscha* migrated through the weir. Four age groups were identified from 689 Chinook salmon sampled, with age 1.2 (44%) dominating. The sex composition was 35% female. An estimated 69,642 summer chum salmon *O. keta* migrated through the weir. Four age groups were identified from 914 summer chum salmon sampled, with age 0.3 (71%) dominating. The sex composition was 47% female. An estimated 10,092 pink salmon *O. gorbuscha*, 141 sockeye salmon *O. nerka*, and 9 coho salmon *O. kisutch* migrated through the weir. Other species counted through the weir during 2007 included 2,559 whitefish (Coregoninae), and 49 northern pike *Esox lucius*.