Abundance and Run Timing of Adult Pacific Salmon in the East Fork Andreafsky River, Yukon Delta National Wildlife Refuge, Alaska, 2006

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 28 and July 27, 2006. In 2006, an estimated 6,463 Chinook salmon *Oncorhynchus tshawytscha* migrated through the weir. Three age groups were identified from 522 Chinook salmon sampled with age 1.3 (55%) dominating. The sex composition was 44% female. An estimated 102,260 chum salmon *O. keta* migrated through the weir. Four age groups were identified from 727 summer chum salmon sampled, with age 0.4 (72%) dominating. The sex composition was 48% female. An estimated 220,735 pink salmon *O. gorbuscha*, 426 sockeye salmon *O. nerka,* and 23 coho salmon *O. kisutch* migrated through the weir. Other species counted through the weir during 2006 included 5,829 whitefish (Coregoninae), four Arctic grayling *Thymallus arcticus*, 51 northern pike *Esox lucius*, and two Dolly Varden *Salvelinus malma*.

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