

## **Seasonal movements and length composition of northern pike in the Dall River, 1999-2001**

**Abstract:** Radiotelemetry was used to examine site fidelity and movement of northern pike in the Dall River area of the Yukon Flats during the spawning season. A fixed remote data logging station was used at the mouth of the Dall River to detect movement into and out of the drainage. Location and fate data were captured by the use of tracking antennae mounted on boats and aircraft. Locations of northern pike in this area were examined from early summer 1999 to fall 2001. A total of 42 radiotelemetry tags were implanted in June 1999. A total of 15 tags were believed to have failed during the 1999 season, so an additional 20 tags were implanted in 2000. Tag locations and fates were documented during tracking events from 1999 through fall 2001. Proportions of live fish with radio-implants within the Dall River during the summer season (June-September) ranged from .60 to .94. (SE = .08, .001) during the three years of radio-tracking.

Length composition of northern pike  $\geq 450$  mm FL was estimated in 1999 and 2000. The proportion of northern pike larger than 720 mm FL was 0.24 (SE= 0.03) and in 2000 0.31 (SE=0.02).

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