

MEASURING SEASONAL MOVEMENTS OF A MALE DALL SHEEP BY SATELLITE TELEMTRY

MICHAEL C. HANSEN, Alaska Cooperative Wildlife Research Unit, University of Alaska, Fairbanks, AK., 99775

Abstract: We used satellite radio telemetry to measure the seasonal movements of an adult male Dall sheep from October 1986 to October 1987. The transmitter package, weighing approximately 2 kg, provided three locations per day for one year. Average error of the locations was approximately 2 km. The sheep exhibited distinct summer and winter ranges that were approximately 40 km apart. Spring migration occurred in early June, and winter migration occurred in November. Additional information from a mercury-switch activity sensor in the transmitter may be useful for monitoring intensity of local movements.