

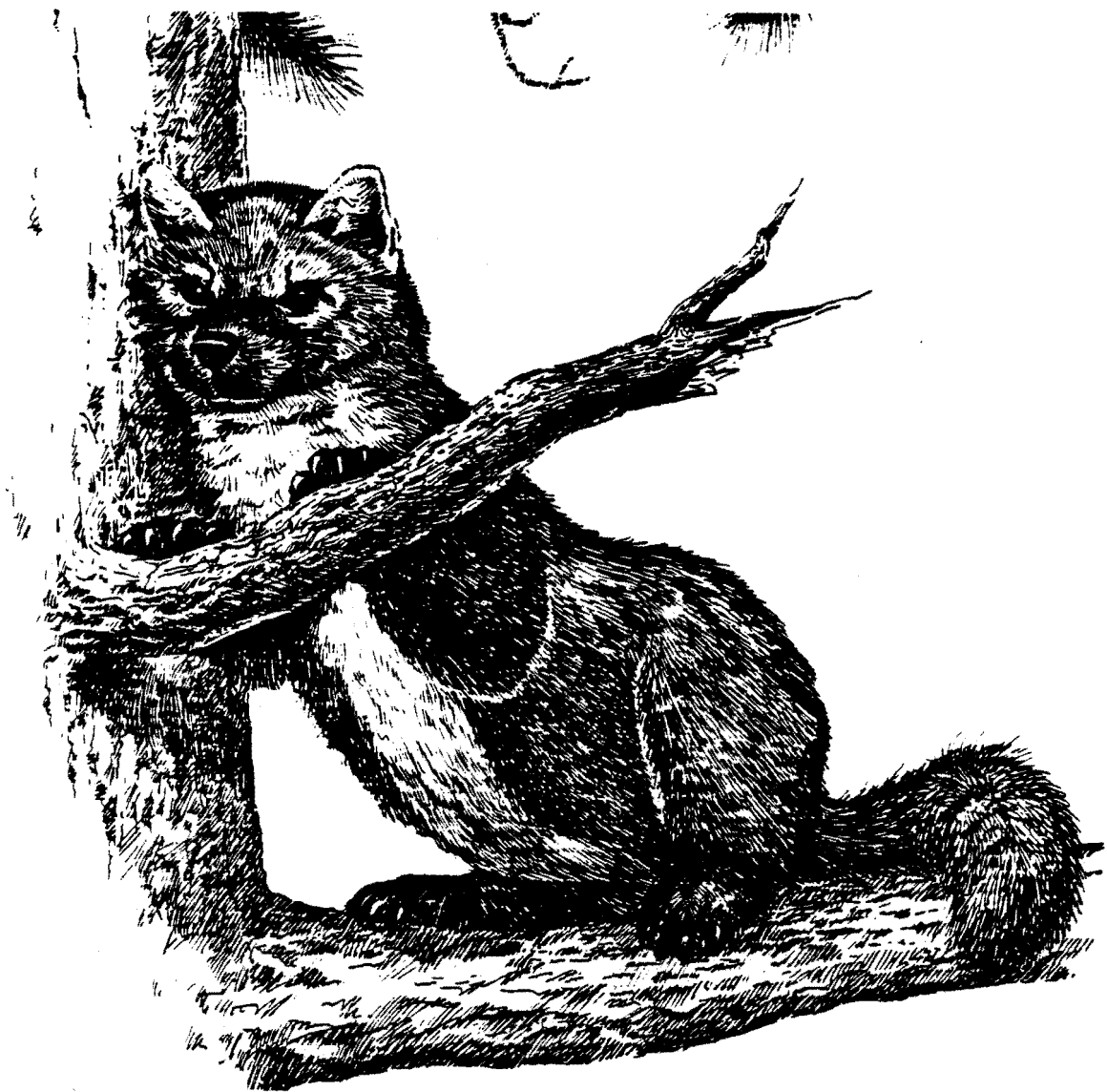
### 23. KENAI PENINSULA BLACK BEAR STUDIES

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Movements of 19 radio-collared black bears from 1978 to 1980 are presented and discussed. The average home range for all females was  $2055 \pm 1242$  ha, varying from  $1150 \pm 742$  for females with cubs,  $3077 \pm 1468$  for females with yearlings, and  $2217 \pm 1156$  for juvenile females. Home ranges for adult males ( $127.4 \pm 50.6$  km<sup>2</sup>) were significantly ( $P > 0.05$ ) larger than those females. Bear movements in relation to the Moose River moose calving area and areas rehabilitated with LeTorneau tree crushers are presented and discussed. Black bears resident within the study area did not make extensive trips to the calving ground during the calving season, but remained within their home ranges. Black bears appeared to avoid areas crushed for moose browse rehabilitation and reasons for this behavior are discussed. Preliminary estimates indicated black bear occur at a density of 1 bear per 430.5 ha. Methods used to estimate density are given.

**ABSTRACTS**  
**2nd**  
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