

Estimating density of large mammals in Devrekani Region

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Abstract: It is crucially important to monitor and conserve the populations of wild animals, for assessing the successful management of wildlife. Monitoring dynamics of wildlife helps to understand ecological processes better. Estimating the population size and density of animals is also fundamental to understand the status, distribution and encounter rate of animal species and their management. Transect sampling is a practical and efficient way to estimate biological populations by using on indirect and direct methods. In this study density of large mammals in Devrekani region, which is located in Kastamonu, were estimated by using line transect method. Study was executed between the period of January 2017 – July 2017. Camera trapping method was also used to determine the existing animals in the area.

Keywords: Line transect method, Animal density, Wildlife, Devrekani, Kastamonu