

ESTIMATING DENSITY AND POPULATION SIZE OF SOUTHERN YELLOW-CHEEKED GIBBON (*Nomascus gabriellea*) IN NAM CAT TIEN SECTOR, CAT TIEN NATIONAL PARK

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Summary

Gibbons are some of the most endangered species due to rapid decline in the population. Therefore, the need for monitoring these species is very high. Study on determining the density and population size of Southern yellow-cheeked crested gibbon (*Nomascus gabriellae*) was conducted at Nam Cat Tien Subzone, Cat Tien National Park, from July to October 2016. Surveys based on vocal were used to determine the population density and population size of gibbons in the study area. The results of surveys recorded 44 groups of Southern yellow-cheeked crested gibbon. 90% of gibbon groups were recorded in evergreen broad-leaved forest and 10% in mixed wood-bamboo forest. Estimates of the number of gibbons found in the entire area of Nam Cat Tien are 195 groups. The gibbon density in the Eastern part is higher than that in the Western part. The main impact on gibbon populations in the study area is hunting.

Keywords: *Cat Tien, Nomascus gabriellae, population density, yellow-cheeked gibbon.*