

### Survey by Car Method

Another wildlife research method conducted within the NGR area is survey by car methods. This method was conducted to identify the active wildlife during night time. Before starting the survey, suitable access road as the main road for the night survey need to be identify first. The survey distance has been assigned as far as 12 km for each main road. As for this method, surveys were conducted 3 times for each quarter and starting at 8 pm until finished.

Five (5) routes or main roads were identified within the NGR area are suitable for wildlife survey by car. Each main road will be conducted through night survey as far as 12 km starting at 8 pm until finished. The overall night survey distance for the whole year of 2019 is approximately 72 km. The below table shows the wildlife data index recorded through night survey method.

(a) Wildlife index (Index= $N \frac{\text{Number of wildlife detected}}{\text{Distance survey}} \times 100$ )

Distance survey

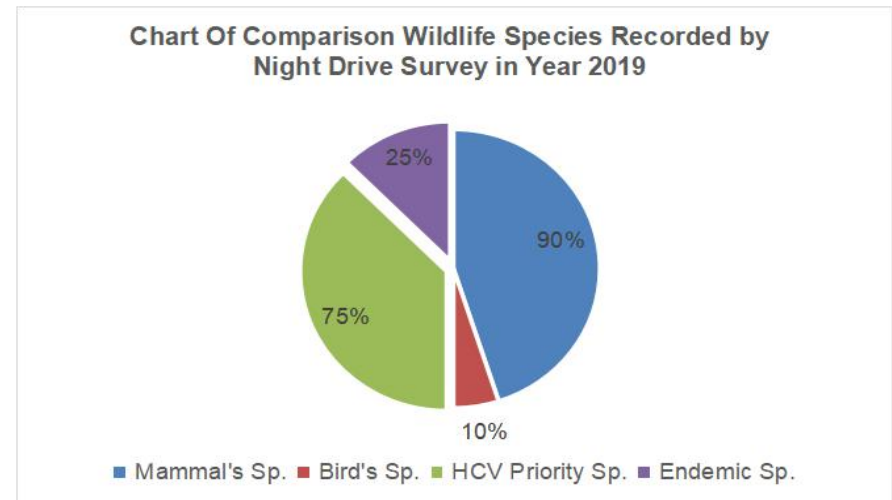
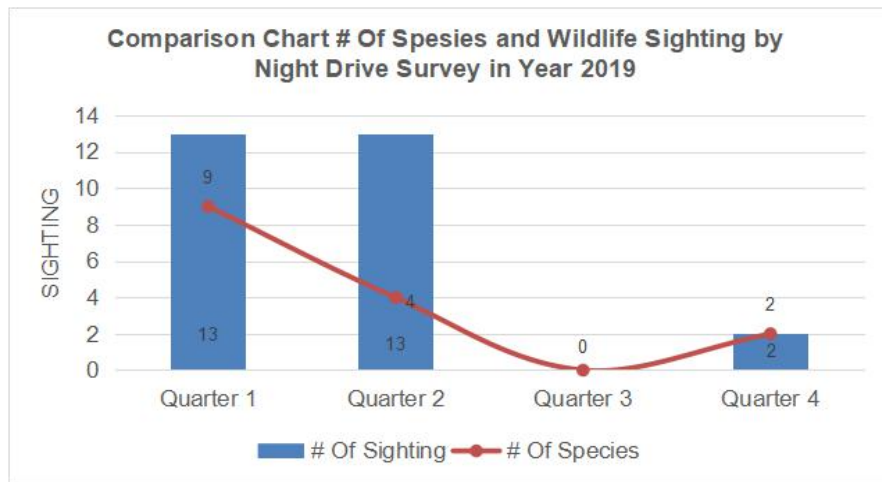
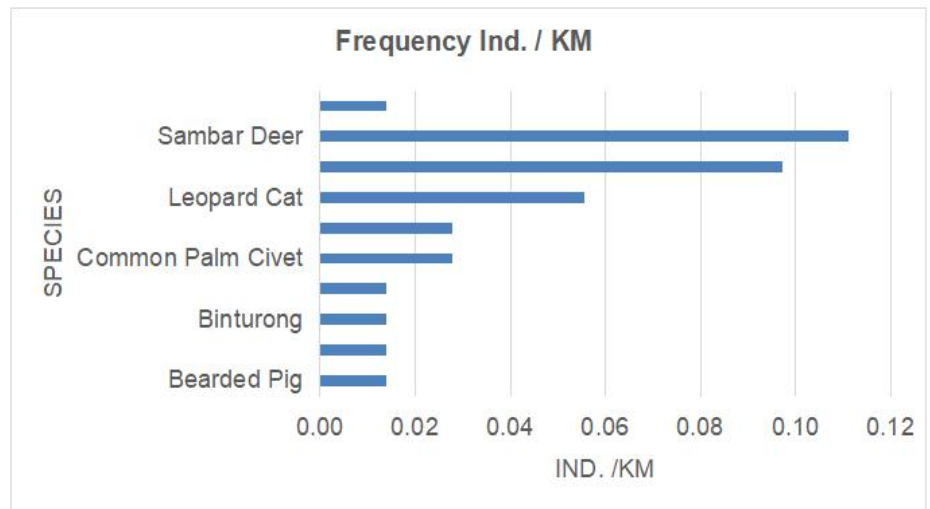
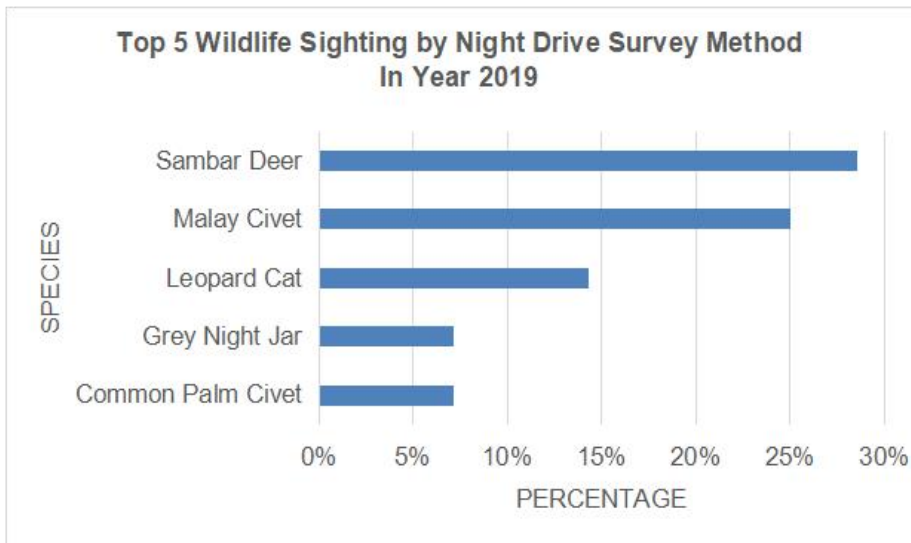
(b) Wildlife index (Index= $N \frac{\text{Number of wildlife detected}}{\text{Total detection of all species}} \times 100$ )

Total detection of all species

Table 1. Wildlife Data recorded through “night survey by car methods” in the year 2019

No	Scientific Name	Common name	Batu Timbang	Imbok	Jumlah jarak	Index =N/Distance	Total	%	HCV	IUCN
1	<i>Sus Barbatus</i>	Bearded Pig	1	0	72	0.01	1	4%	√	VU
2	<i>Prionodon linsang</i>	Banded Linsang	1	0	72	0.01	1	4%		LC
3	<i>Arctictis binturong</i>	Binturong	1	0	72	0.01	1	4%		VU
4	<i>Elephas maximus borneensis</i>	Bornean Pygmy Elephant	1	0	72	0.01	1	4%	√	EN
5	<i>Paradoxurus philippinensis</i>	Common Palm Civet (Island Palm Civet)	1	1	72	0.03	2	7%		LC
6	<i>Caprimulgus jotaka</i>	Grey Night Jar	0	2	72	0.03	2	7%		LC
7	<i>Prionailurus bengalensis</i>	Leopard Cat	2	2	72	0.06	4	14%		LC
8	<i>Viverra zangara</i>	Malay Civet	2	5	72	0.10	7	25%		LC
9	<i>Cervus unicolor</i>	Sambar Deer	1	7	72	0.11	8	29%	√	VU
10	<i>Mydaus javanensis</i>	Sunda Skunk/Teludu	0	1	72	0.01	1	4%		LC
<b>GRAND TOTAL</b>			<b>10</b>	<b>18</b>	<b>72</b>	<b>0.39</b>	<b>28</b>	<b>100%</b>	<b>3</b>	

Figure 1: Graph and Wildlife Chart by 'NIGHT DRIVE SURVEY' Method



## Summary

Based on the data acquired, the active wildlife species recorded within NGR consists of ***Sambar deer (29 %), Malay Civet (25 %) and Leopard Cat (14 %)***. Among ten recorded wildlife species, one of it is a bird species. Three HCV Priority Species were recorded consists of ***Bornean Pygmy Elephant, Bearded Pig dan Sambar Deer***. The survey by car method was done 6 times in 5 permanent routes within Mt. Magdalena FR and Northern Gunung Rara FR with a total distance of 72 Km.