

Supplemental Tables

Sup. Table 1. List of nine forest blocks surveyed in the Rungan-Kahayan landscape with the area of each site in square kilometers, the land use status, and the total number of camera traps deployed in each site; CTN = trapping effort (*i.e.* the number of functional camera nights); IE = Independent capture events; community forests (*hutan desa*); customary forests (*hutan adat*).

Location	Area (km ²)	Land status	Dominant Habitat	Survey dates	Number of Camera Traps	CTN	No. of species	IE	Species Capture Rate
Site 1	8.11	Hutan Desa (2019)	Mixed-swamp	29 Apr 2022 - 9 Aug 2022	10	712	6	28	3.45
Site 2	8.24	Hutan Desa (2019)	Mixed-swamp	7 May 2022 - 24 Aug 2022	8	775	9	22	2.67
Site 3	5.62	Hutan Desa (2016)	Low-pole swamp	18 May 2022 - 31 Aug 2022	8	697	11	50	8.90
Site 4	8.46	Hutan Desa (2016)	Low-pole swamp	17 Sep 2022 - 30 Jan 2023	12	1286	13	75	8.87
Site 5	5.44	Hutan Desa (2023)	Low-pole swamp	28 Sep 2022- 18 Jan 2023	8	676	9	27	4.97
Site 6	7.61	Hutan Desa (2019)	Mixed-swamp	5 Oct 2022 - 8 Feb 2023	12	1138	7	103	13.53
Site 7	49.78	Education and Research Forest (2016)	Low-pole swamp, Mixed-kerangas	04 Mar 2023 - 04 Jul 2023	20	1894	19	357	7.17
Site 8	7.29	Hutan Adat (2023)	Mixed-kerangas	08 Jul 2023 - 12 Oct 2023	12	1039	14	164	22.50
Site 9	13.90	Hutan Desa (2019)	Mixed-swamp, low-pole swamp	20 Jul 2023 - 23 Oct 2023	11	833	14	110	7.91
Total	114.44				101	9050		936	79.98

Sup. Table 2. List of species captured on camera traps with their common names, * indicates species endemic to Borneo; IUCN (International Union for Conservation of Nature) Red List Status: CR = Critical Endangered, EN = Endangered, NT = Near Threatened, VU = Vulnerable, LC = Least Concern; National Protected Species List of Indonesia under the Regulation of The Minister Of Environment And Forestry Republic of Indonesia (NOMOR P.92/MENLHK/SETJEN/KUM.1/8/2018); CITES (Convention on International Trade in Endangered Species of Wild Fauna and Flora), I = Appendix I, II = Appendix II, III = Appendix III; Body sizes classified as Medium (M) and Large (L); IE = Independent Event (number of images captured with a 60 min interval); RAI = Relative Abundance Index (abundance relative to sampling effort).

Species	Common Name	Conservation Status			Body Size class	IE	RAI	Survey Effort	Naïve Occupancy
		IUCN Red List	National Protection (2018)	CITES					
Order: Artiodactyla									
Family: Cervidae									
<i>Muntiacus atherodes</i> (Groves & Grub, 1982)	Bornean yellow muntjac*	NT	Protected		L	52	0.57	174.04	0.28
<i>Rusa unicolor</i> (Kerr, 1792)	Sambar deer	VU	Protected		L	1	0.01	9050.00	0.01
Family: Suidae									
<i>Sus barbatus</i> (Müller, 1838)	Bearded pig	VU			L	7	0.08	1292.86	0.06
Family: Tragulidae									
<i>Tragulus kanchil</i> (Raffles, 1821)	Lesser mouse deer	LC	Protected		M	547	6.04	16.54	0.57
<i>Tragulus napu</i> (F. Cuvier, 1822)	Greater mouse deer	LC	Protected		M	33	0.36	274.24	0.06
Order: Carnivora									
Family: Felidae									
<i>Neofelis diardi</i> (Wilting & Buckley et al., 2007)	Clouded leopard	EN	Protected	I	L	2	0.02	4525.00	0.02
<i>Pardofelis marmorata</i> (Martin, 1837)	Marbled cat	NT	Protected	I	L	3	0.03	3016.67	0.02
<i>Prionailurus javanensis</i> (Desmarest, 1816)	Leopard cat	LC	Protected	II	M	4	0.04	2262.50	0.02
Family: Herpestidae									
<i>Herpestes brachyurus</i> (Gray, 1837)	Short-tailed mongoose	NT			M	10	0.11	905.00	0.08
Family: Mustelidae									
<i>Martes flavigula</i> (Boddaert, 1785)	Yellow-throated marten	LC		III	M	12	0.13	754.17	0.09
<i>Mustela nudipes</i> (Desmarest, 1822)	Malay weasel	LC			M	3	0.03	3016.67	0.09
Family: Prionodontidae									
<i>Prionodon linsang</i> (Hardwicke, 1821)	Banded linsang	LC	Protected	II	M	12	0.13	754.17	0.09
Family: Ursinae									
<i>Helarctos malayanus</i> (Raffles, 1821)	Sun bear	VU	Protected	I	L	70	0.77	129.29	0.48
Family: Viverridae									
<i>Arctogalidia trivirgata</i> (Gray, 1832)	Small-toothed palm civet	LC			M	2	0.02	4525.00	0.01

<i>Cynogale bennettii</i> (Gray, 1837)	Otter-civet	EN	Protected	II	M	4	0.04	2262.50	0.03
<i>Hemigalus derbyanus</i> (Gray, 1837)	Banded palm civet	NT		II	M	3	0.03	3016.67	0.03
<i>Viverra zangalunga</i> (Gray, 1832)	Malayan civet	LC			M	11	0.12	822.73	0.10
Order: Eulipotyphla									
Family: Erinaceidae									
<i>Echinosorex gymnura</i> (Raffles, 1822)	Moonrat	LC			M	26	0.29	348.08	0.14
Order: Pholidota									
Family: Manidae									
<i>Manis javanica</i> (Desmarest, 1822)	Sunda pangolin	CR	Protected	I	M	12	0.13	754.17	0.09
Order: Primates									
Family: Cercopithecidae									
<i>Macaca nemestrina</i> (Linnaeus, 1766)	Southern pig-tailed macaque	EN		II	L	54	0.60	167.59	0.34
<i>Presbytis rubicunda</i> (Müller, 1838)	Red langur*	VU	Protected	II	L	11	0.12	822.73	0.09
Family: Hominidae									
<i>Pongo pygmaeus</i> (Linnaeus, 1760)	Bornean orangutan*	CR	Protected	I	L	39	0.43	232.05	0.28
Order: Rodentia									
Family: Hystricidae									
<i>Hystrix brachyura</i> (Linnaeus, 1758)	Malayan porcupine	LC			L	7	0.08	1292.86	0.05
<i>Trichys fasciculata</i> (Shaw, 1801)	Long-tailed porcupine	LC			M	11	0.12	822.73	0.07
TOTAL						936			

Sup. Table 3. List of habitat types where camera traps were deployed, area of each trapping site, number of cameras deployed in each site, number of individual species captured in each habitat type, total number of independent captures of all species in each habitat, and the rate of capture (Total number of IE/Total area of habitat in km². BS is shaded grey as we did not have any cameras in this habitat type.

Habitats	Area (km ²)	No. of CT locations	No. of species	Total no. of IE	Rate of Capture in each Habitat
Clearing/Forest gap	0.54	2	9	43	79.25
Flat-stunted kerangas	7.19	9	13	136	7.19
Mixed-kerangas	17.96	19	19	298	16.59
Mixed-swamp/Riverine	34.90	38	19	358	10.26
Low pole swamp	43.73	11	12	71	1.62
Scrub/Grassland	2.43	1	3	3	1.23
Secondary/Disturbed	5.26	6	10	27	5.14
Bare soil (BS)	2.42	0	0	0	0
Total	114.44	86		936	121.27

Sup. Table 4. List of publications based on camera trapping with the number of medium-large scale mammal species (mostly terrestrial with some arboreal species that spend a proportion of their active period on the ground).

Authors	Number of medium-large mammal species	Number of Camera Traps	Research Sites	Habitat
Mohd-Azlan & Engkamat (2006)	18	6	Lambir Hills, Sarawak, Malaysia	Mixed dipterocarp and kerangas
Rustam et al. (2012)	24	20	Bukit Suharto and Sungai Wain, Kalimantan Timur, Indonesia	Lowland dipterocarp forest
Bernard et al. (2013)	26	80	Imbak Canyon Conservation Area, Sabah, Malaysia	Lowland dipterocarp forest and upper montane forest
Mohd-Azlan & Engkamat (2013)	21	27	Lanjak Entimau Wildlife Sanctuary, Sarawak, Malaysia	Lowland and hill dipterocarp forest and riverine forest
Cheyne et al. (2016)	31	360	8 locations across East and West Kalimantan (combined mongoose species)	Peat swamps, kerangas, lowland dipterocarp, hill dipterocarp forests
Wahyudi et al. (2017)	12	13	Suwi Lake, Kalimantan Timur, Indonesia	Fresh water swamp/Riverine
Mohd-Azlan et al. (2018)	16	10	Tanjung Datu National Park, Sarawak, Malaysia	Mixed dipterocarp and beach
Mohd-Azlan et al. (2018)	19	20	Kubah National Park, Sarawak, Malaysia	Mixed dipterocarp and kerangas
Mohd-Azlan et al. (2019)	27	15	Baleh National Park, Sarawak, Malaysia	Riverine forest
Bernard et al. (2022)	9	5	Kuala Abai, Sabah, Malaysia	Mangrove forest
Haysom et al. (2023)	32	50	SAFE Project Sabah, Malaysia	Lowland Ddipterocarp (logged and un-logged)
Leo et al. (2024)	26	13	Gunung Palung National Park, Kalimantan Barat, Indonesia	Lowland and peat swamp forest