APPENDIX 3K	
Poster displayed at the IUCN International Cat Conference	



in Sabah, Malaysian Borneo

Felid abundance, activity and habitat use in a tropical forest

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Results

Introduction

Bornean tropical forest contains five little known felids. One is endangered, three threatened, and their presumed primary habitat is rapidly being lost and/or altered in the region. needed to facilitate the development of conservation our camera trapping efforts in Sabah. Malaysian Borneo, which is part of a long-term study of Bornean felid ecology

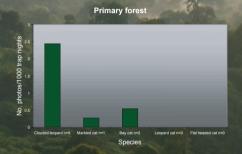
Methods

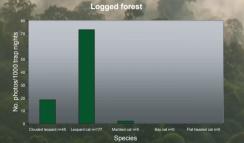
From November 2006 to September 2007 camera traps were deployed in the Danum Valley Conservation Area (primary Dipterocarp forest) and the adjacent Ulu Segama Forest Reserve (selectively logged Dipterocarp forest). Sabah. Cameras were located so as to maximise felid photo-capture probability. Photo-captures of wild cats were used to investigate felid relative abundances, activity patterns and habitat use. A capture-recapture sampling design was used to estimate clouded leopard abundance in the selectively logged forest.

Study area, Sabah, Malaysian Borneo.

Knowledge regarding the ecology of these felids is urgently management strategies. Here we present the initial results of

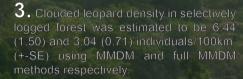
1 . A sampling effort of 3685 (primary) and 2425 (logged) camera-trap-nights revealed the presence of four felid species; flat-headed cats were not recorded. Photo-capture





2. Activity patterns derived from camera trap data suggest that clouded leopards and leopard cats exhibit primarily nocturnal activity, whereas marbled cats appear to be

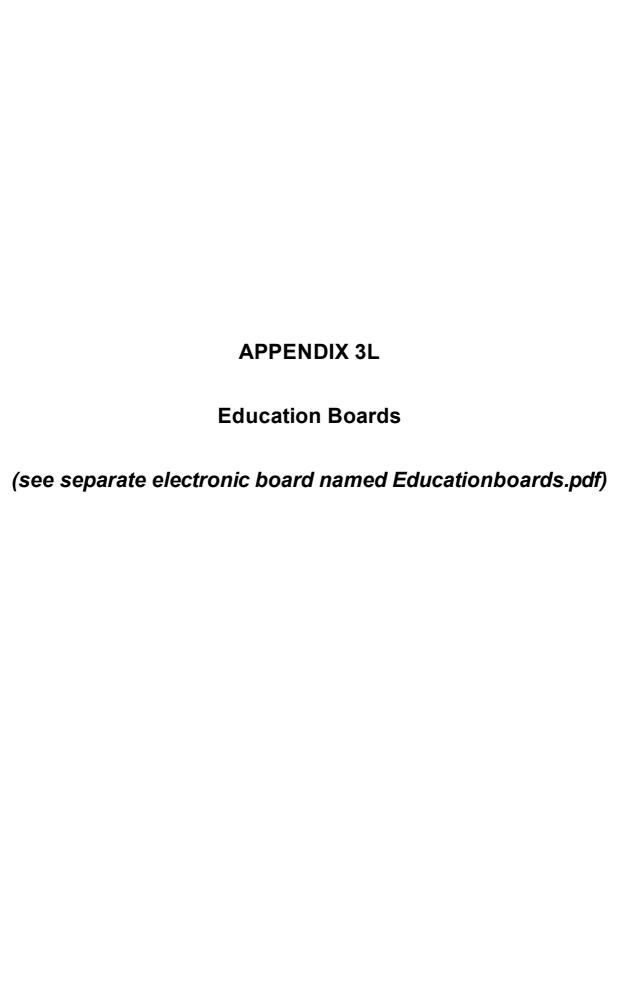




Capture probability ^a	Population ^b (+- SE)	95% Confidence interval	Method used to estimate buffer and density	Buffer size (km)	Area ^d (km²)	Density (+-SE) (ind/100km²)
0.24	12 (2.8)	12-28	1/2 MMDM ^c	3.327	186.45	6.44 (1.50)
			MMDM ^e	6.654	394.55	3.04 (0.71)

Conclusion

This study provides the first robust density estimate for clouded leopards based on camera trap capture-recapture methodology. It also provides some of the first data





The Wild Cats of Borneo **Kucing Liar Borneo**





The tropical rainforests of Borneo are home to five species of wild cat: flat-headed cat (*Prionailurus planiceps*), marbled cat (*Pardofelis marmorata*), leopard cat (*Prionailurus bengalensis*), the endemic bay cat (*Catopuma badia*) and the enigmatic clouded leopard (*Neofelis*

These species are currently threatened due to habitat degradation and fragmentation. Despite their threatened status the behaviour and ecology of the Bornean wild cats remains poorly understood. Hutan hujan tropika Borneo merupakan habitat utama untuk lima spesis kucing liar: Kucing Hutan (*Prionailurus planiceps*), Kucing Dahan (*Pardofelis marmorata*), Kucing Batu (*Prionailurus bengalensis*), Kucing Merah (*Catopuma badia*), dan Harimau Dahan (*Neofelis diardi*).

Kemusnahan dan pembahagian hutan disebabkan oleh aktiviti pembalakan yang berleluasa dan pertanian menyebabkan spesis kucing liar ini semakin terancam. Walaupun demikian, ekologi dan tingkah laku kucing liar ini masih lagi kurang diketahui.

cloud-like coat pattern; recent research suggests this is a distinct species, separate from those on the mainland. This is the largest felid on Borneo weighing up to 25 kg. This cat takes larger mammal prey such as monkeys and muntjacs.



Diberikan nama sempena dengan corak tompok hitam menawan seperti awan. Berdasarkan hasil penyelidikan terkini, spesis kucing ini didapati berbeza dari spesis yang terdapat di tanah besar. Merupakan spesis kucing terbesar di kepulauan Borneo, ianya boleh men-capai berat sehingga 25 kg. Hasil buruan adalah seperti monyet dan kijang



This small cat, weighing around 2 kg is an aquatic specialist and is found along small streams, rivers and wetland areas where it catches its principal prey of fish and frogs.

Saiz kucing yang kecil ini hanya seberat sekitar 2 kg, merupakan pakar akuatik dan sering dijumpai di sepanjang anak sungai, serta kawasan sungai di mana ianya memburu ikan dan katak.



Like a smaller version of the clouded leopard, this wild cat has a beautiful marbled coat. Little is known about this felid, but it is thought to be arboreal and rare.

Serupa dengan Harimau Dahan tetapi bersaiz lebih kecil, spesis ini mempunyai corak tompok menarik seperti jubin. Tidak banyak maklumat yang diketahui mengenai kucing ini, hanya dipercayai bersifat arboreal dan



Borneo's least threatened wild cat. Similar in size to a domestic cat, this felid can often be seen at the forest edge along the road sides at night. This cat hunts small mammals such as rats and mice.

Merupakan spesis kucing liar yang kurang terancam, mempunyai saiz lebih kurang sama dengan kucing peliharaan. Seringkali dilihat di tepi jalan kawasan hutan pada sebelah malam dan memburu mamalia kecil seperti tikus untuk makanan.



Perhaps the least known of all the world's cats, this elusive felid is rarely seen. It is found only on Borneo and is typically reddish in colour. This photo is only the 5th ever of this species in the

Dipercayai spesis kucing liar paling kurang diketahui dalam dunia kucing, ianya jarang dijumpai dan hanya didapati di kepulauan Borneo dan berwarna perang kemerahan. Foto Kucing Merah ini merupakan yang kelima pernah diambil di hutan liar.

nservation of Borneo's cats: The 'Bornean Wild Cat & Clouded Project' is a new initiative by the obal Canopy Programme and the University Malaysia Sabah, which is investigating the ology of these little known cats. The photographs in this poster were taken in the Danum ley by remote camera traps, as part of this project. For more information email earn_ehotmail.com or jross_@hotmail.com or see waw.globalcanopy.org. Funding for this oject is being provided primarily by the Darwin Initiative, U.K. Department for Environment od and Rural Affairs.

Pemuliharaan spesis kucing liar Borneo ini: Projek 'Bornean Wild Cat & Clouded Leopard' adalah hasil inis oleh 'Global Canopy Programme' dan Universiti Malaysia Sabah, yang bertujuan untuk menyelidik eko spesis kucing liar ini. Foto- foto yang terdapat pada poster ini telah diambil di kawasan hutan Lembah Dar dengan menggunakan kamera perangkap yang merupakan sebahagian daripada projek ini. Ur mendapatkan lebih maklumat, sila berhubung melalui email dengan ajhearn_@hotmail.com ross_@hotmail.com atau www.globalcanopy.org . Projek ini dibiayai oleh Darwin Initiative, United Kingd labatan Alam Sekitar, Pemakanan dan Hal Ehwal Pedalaman.





