

A reassessment of the distribution and taxonomy of the Endangered otter civet *Cynogale bennettii* (Carnivora, Viverridae)

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Appendix

List of known museum specimens of the otter civet, by museum, with catalogue numbers, collectors, dates, countries, localities and coordinates, where known, any relevant specimen details, and the person who has examined the specimens and/or the relevant reference.

Museum ¹	Catalogue no.	Collector	Date	Country	Locality	Coordinates	Specimen ²	Observer / reference
MNHN	CG 1962-170	M. Parzudacki	1842	Malaysia	'Malacca'	2.14 N, 102.14 E	Pelt (mounted skin no. 646) and skull	GV (pers. obs.)
MNHN	A-3484	Diard	1826		'Java or other parts of India'		Mounted skeleton; type of <i>Viverra carcharias</i> Blainville (1837)	GV (pers. obs.)
MNHN	A-2094; 647	M. Eydoux	1838	Indonesia	Sumatra	22.08 N, 105.49 E	Skull & mounted skin	GV (pers. obs.)
BMNH	1927.12.01.093	H. Stevens, J. Delacour, W. Lowe	1927	North Vietnam	Backan; Tinh Bac Can		Juv., skin, T. 1; holotype of <i>Cynogale lowei</i> Pocock (1934)	GV (pers. obs.), Osgood (1932)
BMNH	79.11.21.633 & 486	Dr Cantor		Malaysia	Malacca	2.14 N, 102.14 E	Ad. ticketed F, but M following Pocock (1933); skin & skull	GV (pers. obs.), Pocock (1933)
BMNH	92.10.1.3	C. Hose	1890	Malaysia	Borneo, E Sarawak (S Baram)	3.0 N, 115.0 E	M, skull	GV (pers. obs.), Medway (1977)
BMNH	Not found			Brunei	Borneo, S Seang-seang			Medway (1977)
BMNH	71.3078	A.D. Gardia,	31 Oct. 1962	Malaysia	Borneo, Sabah (12 miles N	4.22 N, 117.29 E	Skull & skin	GV (pers. obs.), Medway (1977)
BMNH	5.9.25.1	J.L. Harrison W. Goodfellow	10 Dec. 1904	Singapore	Kalabakan Forest Reserve, 200 ft.) Singapore Island	1.20 N, 103.5 E	F, skin & skull	GV (pers. obs.), Pocock (1933)
BMNH	1907.01.01.192	Stamford Raffles	? 1836	Indonesia	Sumatra		Skull; type of <i>Cynogale bennettii</i> Gray (1837)	GV (pers. obs.), Gray (1837a)
BMNH	No number	Mrs Tate		Indonesia	Sumatra		F, skin	GV (pers. obs.), Pocock (1933)
BMNH	No number	Mrs Tate		Indonesia	Sumatra		Young, skin	GV (pers. obs.), Pocock (1933)
BMNH	No number	Mrs Tate		Indonesia	Sumatra		Young, skin	GV (pers. obs.), Pocock (1933)
BMNH	98.11.10.2	J. Waterstraat		Malaysia	Borneo, Sarawak, Mt Mulu	4.02 N, 114.54 E	F ad., skull, stuffed skin	GV (pers. obs.), Pocock (1933)
BMNH	Not found	A. Everett		Malaysia	NW Borneo		In alcohol	Pocock (1915)
BMNH	Not found	A. Everett		Malaysia	NW Borneo		In alcohol	Pocock (1915)
BMNH	Not found	A. Everett		Malaysia	NW Borneo		In alcohol	Pocock (1915)
BMNH	8.7.17.15	C. Hose	Nov. 1894	Malaysia	N Borneo (Entoyat River)		F, skull & skin	GV (pers. obs.), Pocock (1933)

Museum ¹	Catalogue no.	Collector	Date	Country	Locality	Coordinates	Specimen ²	Observer / reference
BMNH	99.12.9.27	C. Hose	4 Oct. 1896	Malaysia	N Borneo (Sarawak, Mt Dulit, Baram district, 4000 ft.) Borneo	3.15 N, 114.15 E	F, skin & skull	GV (pers. obs.), Pocock (1933)
BMNH	173a	Major Honeywood					M. ad., skin & skull	GV (pers. obs.), Pocock (1933)
BMNH	50.10.24.17				Borneo		F ad., skin & skull	GV (pers. obs.), Pocock (1933)
BMNH	46.3.5.2				Borneo		F ad., skull (& stuffed specimen?)	GV (pers. obs.), Pocock (1933)
BMNH	7.1.1.193	Tomes		Indonesia	Sumatra		Juv., skull	GV (pers. obs.)
BMNH	150b	Zool. Soc.			Borneo		Juv., skull	GV (pers. obs.)
BMNH	50.10.24.16			Indonesia	Sumatra		F, skull	GV (pers. obs.)
BMNH	48b	W.J.C. Frost			Borneo, Sarawak (Mukah)		F, skin & skull	GV (pers. obs.)
SM	0184/3		Sep. 1906	Malaysia				Medway (1977), Kool & Nawi (1995)
SM	0184/1		May 1893	Malaysia	Borneo, Sarawak (Ulu Rejang River)	2.56 N, 112.02 E		Medway (1977), Kool & Nawi (1995)
SM	0184/2	Hose	June 1891	Malaysia	Borneo, Sarawak (S Baram)	2.45 N, 113.46 E		Medway (1977), Kool & Nawi (1995)
SM	0184/5	E. Hose	June 1891	Malaysia	Borneo, Sarawak (Baram)	3.0 N, 115.0 E	F	Kool & Nawi (1995)
SM	0184/4		18 June 1895	Malaysia	Borneo, Sarawak, Kabong	3.0 N, 115.0 E	M	Kool & Nawi (1995)
USNM	197240	H.C. Raven	Sep. 1913	Indonesia	Borneo, Kalimantan (E, Sungai Menganne)	1.47 N, 111.5 E	Skull	C. Ludwig (pers. comm.), Medway (1977), Deignan (1959)
USNM	143621	W.L. Abbott	20 Dec. 1905	Indonesia	Sumatra (Aru Bay)	0.49 N, 117.57 E	F, skin, skull & skeleton	C. Ludwig (pers. comm.), Lyon (1908)
USNM	144122	W.L. Abbott	10 Dec. 1906	Indonesia	Sumatra (Siak River, near mouth of Gasip river)	4.0 N, 98.0 E	M, skin, skull & skeleton	C. Ludwig (pers. comm.), Lyon (1908)
USNM	153848	W.L. Abbott	4 Sep. 1908	Indonesia	Borneo, Kalimantan (Kendawangan River, Lanchut)	1.0 N, 102.0 E	M, skin & skull	C. Ludwig (pers. comm.), Lyon (1911)
USNM	145587	W.L. Abbott	21 June 1907	Indonesia	Borneo, Kalimantan (Sempang River)	2.32 S, 110.13 E	F, skin, skull & skeleton, embryos in alcohol	C. Ludwig (pers. comm.), Lyon (1911)
USNM	145588	W.L. Abbott	22 June 1907	Indonesia	Borneo, Kalimantan (Sempang River)	1.3 S, 110.5 E	F, skin & skull	C. Ludwig (pers. comm.), Lyon (1911), Van Peenen <i>et al.</i> (1969)
USNM	145589	W.L. Abbott	18 July 1907	Indonesia	Borneo, Kalimantan (Sempang River)	110.5 E	F, skin, skull & skeleton	C. Ludwig (pers. comm.), Lyon (1911)
USNM	145590	W.L. Abbott	6 July 1907	Indonesia	Borneo, Kalimantan (Semandang River)	1.3 S, 110.5 E	Skull	C. Ludwig (pers. comm.), Lyon (1911)
USNM	153847	W.L. Abbott	18 Aug. 1908	Indonesia	Borneo, Kalimantan (Kendawangan River, Lanchut)	0.33 N, 109.22 E	F, skin, skull & skeleton	C. Ludwig (pers. comm.), Lyon (1911)
USNM	AOO49975	W.L. Abbott	31 July 1907	Indonesia	Borneo, Kalimantan (Sempang River)	2.32 S, 110.13 E	Skull & skeleton	C. Ludwig (pers. comm.)
USNM	145647	W.L. Abbott	22 June 1907	Indonesia	Borneo, Kalimantan (Sempang River)	1.3 S, 110.5 E	Young of 14558, in fluid	C. Ludwig (pers. comm.)
USNM	145648	W.L. Abbott	22 June 1907	Indonesia	Borneo, Kalimantan (Sempang River)	1.3 S, 110.5 E	Young of 14558, in fluid	C. Ludwig (pers. comm.)

Museum ¹	Catalogue no.	Collector	Date	Country	Locality	Coordinates	Specimen ²	Observer / reference
USNM	145649	W.L. Abbott	15 July 1907	Indonesia	Borneo, Kalimantan (Sempang River)	1.3 S, 110.5 E	F, in fluid	C. Ludwig (pers. comm.)
USNM	145650	W.L. Abbott	18 July 1907	Indonesia	Borneo, Kalimantan (Sempang River)	1.3 S, 110.5 E	Young of 14559, in fluid	C. Ludwig (pers. comm.)
USNM	145661	W.L. Abbott	18 July 1907	Indonesia	Borneo, Kalimantan (Sempang River)	1.3 S, 110.5 E	Young of 14559, in fluid	C. Ludwig (pers. comm.)
USNM	143622	W.L. Abbott	21 Dec. 1905	Indonesia	Sumatra (Aru Bay)	4.0 N, 98.0 E	Young, in fluid	C. Ludwig (pers. comm.)
USNM	143623	W.L. Abbott	21 Dec. 1905	Indonesia	Sumatra (Aru Bay)	4.0 N, 98.0 E	Young, in fluid	C. Ludwig (pers. comm.)
USNM	396178	unknown	6 Jan. 1971	?			F, in fluid	C. Ludwig (pers. comm.)
AMNH	103993	Baron von Plessen	20 Aug. 1935	Indonesia	Borneo, Kalimantan (Timur, Sungai Kajaj)	2.34 N, 116.22 E	M, skin, skull	C.A. Norris (pers. comm.)
AMNH	173509		1 Jan. 1901	Borneo			Skull	C.A. Norris (pers. comm.)
RMNH	34678	J. Büttikofer	15 Apr. 1894	Indonesia	Central Borneo, Kalimantan (Nanga Raun, S Kapua)	0.39 N, 113.12 E	Skin (203 a)	PG (pers. obs.), Jentink (1897)
RMNH	33967	A.J.V. Sody	24 July 1930	Indonesia	Perlak, Ajah, N Sumatra	4.47 N, 97.52 E	Skull & skin (F65)	PG (pers. obs.)
RMNH	34460	S. Müller	before 1838	Indonesia	Borneo, Kalimantan (Banjarmasin, Nandaweij, S Mendaweij)	3.17 S, 113.21 E	Skin & skeleton, M ad.; type of <i>Potamophilus barbatus</i> Müller 1838	Müller (1838), Medway (1977)
RMNH	34461	B. Hagen	1888	Indonesia	Deli, Sumatra	7.0 S, 105.31 E	M ad., mounted skin, skull, post-cranial skeleton	PG (pers. obs.)
RMNH	34677	B. Hagen	8 Apr. 1885	Indonesia	Deli, Sumatra	7.0 S, 105.31 E	Ad., skull, post-cranial skeleton	PG (pers. obs.)
RMNH	33707	H.J.V. Sody (F.A. th. H. Verbrück)	18 Apr. 1931	Indonesia	Moesi Estate, 26 km beyond Palembang, Sumatra	2.55 S, 104.45 E	M?, ad., skull, tanned skin	PG (pers. obs.)
RMNH	34462	B. Hagen	1882	Indonesia	Tandjong, Morawa, Deli, 'NO' Sumatra	7.0 S, 105.31 E	Subadult, skull	PG (pers. obs.)
IRSNB	9,323; 974	Frank	Dec. 1935		Borneo		F, mounted skin & skull	PG (pers. obs.)
IRSNB	9,323, 974 b	Parzudaki	Dec. 1935		Sumatra (?)		Skin	PG (pers. obs.)
FMNH	146420						Endocranial cast, L.B.	L. Heaney (pers. comm.)
FMNH	146421						Radinsky 603	L. Heaney (pers. comm.)
FMNH	146422						Endocranial cast, L.B.	L. Heaney (pers. comm.)
FMNH	146423						Radinsky 647	L. Heaney (pers. comm.)
FMNH	146424						Endocranial cast, L.B.	L. Heaney (pers. comm.)
FMNH	146419						Radinsky 647	L. Heaney (pers. comm.)
FMNH	89446	J.R. Hendrickson	Feb. 1958	Malaysia	Johor, Hok Mau	2.00 N, 103.30 E	Endocranial cast, L.B. Radinsky 603 M, skin, skull & skeleton, endocast 616 (L.B. Radinski)	L. Heaney (pers. comm.) L. Heaney (pers. comm.) L. Heaney (pers. comm.)

Museum ¹	Catalogue no.	Collector	Date	Country	Locality	Coordinates	Specimen ²	Observer / reference
FMNH	Not found	Menage Scientific Expedition	1890–1893	Malaysia	Borneo, Sarawak		Sold to FMNH	Timm & Birney (1980)
FMNH	Not found	Menage Scientific Expedition	1890–1893	Malaysia	Borneo, Sarawak		? Destroyed	Timm & Birney (1980)
FMNH	Not found	Menage Scientific Expedition	1890–1893	Malaysia	Borneo, Sarawak		? Destroyed	Timm & Birney (1980)
MC	6952	H.A. Ward	1882	Borneo	Borneo		Mounted skeleton	M. Rutzmoser (pers. comm.)
MC	6173	H.A. Ward	June 1880	Malaysia	Borneo, Sarawak (Sadong)	1.23.19 N, 110.44.04 E	M, mounted skin	M. Rutzmoser (pers. comm.)
MC	34281	King Chapman	26 May 1936	Borneo	Borneo, Tinkain River		Assorted bones	M. Rutzmoser (pers. comm.)
ZMB	1173	Salmin		Indonesia	Sumatra		Skin & skull	PG (pers. obs.)
ZMB	83199	Schüller	28 July 1905	Indonesia	Sumatra, Telok Betong	5.27 S, 105.16 E	Skin	PG (pers. obs.)
ZMB	14300; 14301	Waterstradt-Rolle		Malaysia	N Borneo		Skin & skull	PG (pers. obs.)
ZMB	5470	A.B. Meyer		Malaysia	Malaka	2.12 N, 102.15 E	Skull	PG (pers. obs.)
ZMB	83041	Dr. Pagel	5 Feb. 1901	Malaysia	N Borneo		Skull	PG (pers. obs.)
ZMB	83040	Rupert		Borneo	Borneo		Skull	PG (pers. obs.)
MV	C.1912	J.G. Altman		Malaysia	N Borneo		Skin	N.W. Longmore (pers. comm.)
UGZM	50172							GBIF (2005)
NRM	A612446	Gerrard	1910	Borneo	Borneo		Ad., mounted skin	PG (pers. obs.)
NRM	A582008	Darmstadt Museum					Ad., skull	PG (pers. obs.)
NRM	A582488	C. Hose	12 Dec. 1895	Malaysia	Borneo, Sarawak, Baram district		Ad., mounted skeleton	PG (pers. obs.)
NMW	60		Apr. 1847	Borneo	Borneo		Ad., mounted skin, skull	PG (pers. obs.)

¹AMNH, American Museum Natural History, USA; BMNH, British Museum (Natural History), UK; FMNH, Field Museum, Chicago, USA; IRSNB, Muséum Royal d'Histoire Naturelle de Belgique, Belgium; MC, Museum of Comparative Zoology, Cambridge, UK; MNHN, Muséum National d'Histoire Naturelle, France; MV, Museum Victoria, Melbourne, Australia; NMW, Naturhistorisches Museum, Wien, Austria; NRM, Swedish Museum of Natural History, Stockholm, Sweden; RMNH, Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands; SM, Sarawak Museum, Malaysia; UGZM, University Ghent Zoology Museum, Belgium; USNM, United State National Museum, USA; ZMB, Zoologisches Museum Berlin, Berlin, Germany

²F, female; M, male; Juv., juvenile; Ad., adult