

Ecological notes on the Cát Bà gecko *Goniurosaurus catbaensis*, a species endemic to the limestone karst islands of northern Vietnam

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Table S1. List of the reptile species found during the fieldwork on Cát Bà island and their IUCN (2020) red list status

Scientific name	English name	IUCN (2020)
SQUAMATA		
Sauria	Lizards	
Agamidae		
<i>Acanthosaura lepidogaster</i>	Brown pricklenape (scale-bellied tree lizard)	LC
Eublepharidae		
<i>Goniurosaurus catbaensis</i>	Cát Bà gecko	EN
Gekkonidae		
<i>Gekko reevesii</i>	Reeves' tokay gecko	
<i>Gekko chinensis</i>	Chinese narrow-disked gecko	
<i>Hemidactylus frenatus</i>	Common house gecko	LC
<i>Hemidactylus platyurus</i>	Flat-tailed house gecko	
<i>Gehyra mutilata</i>	Common four-clawed gecko	
Scincidae		
<i>Eutropis longicaudatus</i>	Long-tailed sun skink	
<i>Eutropis multifasciatus</i>	Javan sun skink (common sun skink)	
<i>Tropidophorus baviensis</i>	Bavay's keeld skink	
Serpentes	Snakes	
Colubridae		
<i>Boiga guangxiensis</i> *	Guangxi cat snake	LC
<i>Boiga multomaculata</i>	Many-spotted cat snake	
<i>Coelognathus radiatus</i>	Copperhead rat snake	LC
<i>Gonyosoma boulengeri</i> *	Rhino rat snake	LC

<i>Lycodon futsingensis</i> *	Formosa wolf snake	
<i>Lycodon meridionalis</i> *	Southern big-tooth snake	
<i>Oligodon chinensis</i>	Chinese kukri snake	LC
<i>Ptyas korros</i>	Indo-Chinese rat snake	
Lamprophiidae		
<i>Psammodynastes pulverulentus</i> *	Common mock viper	
Natricidae		
<i>Xenochrophis flavipunctatus</i>	Yellow-spotted keelback	LC
Elapidae		
<i>Bungarus multicinctus</i>	Many-banded krait	LC
<i>Ophiophagus hannah</i>	King cobra	VU
<i>Sinomicrurus macclellandi</i> *	MacClelland's coral snake	
TESTUDINES		
Turtles		
Geoemydidae		
<i>Cuora mouhotii</i>	Keeled box turtle	EN

Table S2. Morphometric data collected from Cát Bà geckos at the study area. Symbols: SVL = snout-vent-length; TL = tail length; HL = head length; HW = head width

Sex	stage	SVL (mm)	TL (mm)	HL (mm)	HW (mm)	Weight (g)
Female	adult	100.63	87.11	28.26	19.89	-
Female	adult	100.85	69.68	26.10	18.69	15.20
Female	adult	100.99	91.10	26.38	18.44	15.80
Female	adult	101.81	75.47	28.26	21.42	-
Female	adult	102.88	84.08	27.95	21.40	19.10
Female	adult	103.00	81.90	28.30	18.90	17.8
Female	adult	103.29	82.70	27.21	21.18	20.10
Female	adult	103.52	68.75	27.46	21.04	19.40
Female	adult	104.19	90.28	29.11	21.28	-

Female	adult	104.89	65.95	28.02	19.38	17.00
Female	adult	104.94	43.64	30.32	20.91	17.10
Female	adult	105.04	93.12	28.06	21.03	20.30
Female	adult	105.28	88.52	28.68	20.06	18.80
Female	adult	105.50	88.81	28.11	21.26	15.40
Female	adult	105.82	71.52	29.19	22.62	21.60
Female	adult	106.06	90.02	27.35	20.77	19.10
Female	adult	106.90	71.96	30.68	23.16	23.80
Female	adult	107.13	88.82	28.13	21.46	21.30
Female	adult	107.20	75.56	29.00	20.95	18.10
Female	adult	107.59	70.98	28.98	22.40	21.20
Female	adult	107.62	73.80	28.32	19.96	20.70
Female	adult	107.96	87.86	30.85	20.33	16.70
Female	adult	108.08	89.44	28.22	20.60	21.50
Female	adult	108.08	103.30	31.15	23.32	22.60
Female	adult	108.10	87.70	29.80	20.20	17.5
Female	adult	108.28	98.93	28.25	21.21	19.50
Female	adult	108.36	72.48	29.01	21.56	19.70
Female	adult	108.42	73.79	27.79	20.83	11.80
Female	adult	108.60	78.18	28.47	22.99	23.30
Female	adult	108.85	93.20	29.78	22.10	21.50
Female	adult	108.99	75.72	29.36	21.68	23.10
Female	adult	109.37	94.47	29.48	22.35	19.50
Female	adult	110.03	73.73	29.60	21.36	19.50
Female	adult	110.10	93.84	29.52	21.96	23.60
Female	adult	110.10	88.19	30.10	20.96	23.10
Female	adult	110.15	64.99	28.99	21.36	20.10
Female	adult	110.25	72.56	27.50	22.61	-
Female	adult	110.37	81.71	30.36	20.55	21.40
Female	adult	110.45	60.45	29.98	21.87	18.50
Female	adult	110.50	81.20	29.80	21.70	21.9
Female	adult	110.62	67.79	29.64	21.40	22.50
Female	adult	110.65	72.43	32.32	21.38	21.30
Female	adult	110.65	95.28	28.36	20.95	21.00
Female	adult	110.71	88.27	27.47	21.41	-
Female	adult	110.73	86.90	27.58	21.13	17.30
Female	adult	110.75	93.73	28.36	20.68	22.30

Female	adult	111.37	94.74	28.10	19.95	20.30
Female	adult	111.63	55.63	29.65	21.14	-
Female	adult	111.70	82.11	28.78	21.24	22.50
Female	adult	112.31	85.56	30.05	20.64	23.60
Female	adult	112.45	68.71	28.38	20.81	23.10
Female	adult	113.06	71.89	29.14	20.36	25.50
Female	adult	113.10	76.25	28.92	21.65	22.40
Female	adult	113.13	73.03	31.00	22.42	25.30
Female	adult	113.97	76.59	31.34	21.76	24.40
Female	adult	114.31	80.56	30.45	20.57	24.00
Female	adult	114.56	69.38	30.73	22.68	25.40
Female	adult	115.03	78.28	31.51	22.75	23.30
Female	adult	115.20	93.19	28.04	21.17	-
Female	adult	116.24	71.25	33.18	21.79	20.10
Female	adult	116.30	83.30	29.40	21.50	23.4
Female	adult	116.87	80.32	29.03	23.04	21.10
Female	adult	116.94	56.70	29.24	21.63	21.00
Female	adult	117.09	23.41	31.85	20.90	21.90
Female	adult	117.12	72.03	32.46	33.05	24.30
Female	adult	117.57	70.27	33.58	22.63	22.80
Female	adult	118.73	68.58	30.88	22.53	25.80
Female	adult	119.11	91.90	30.32	21.93	24.00
Female	adult	119.60	93.80	29.98	20.60	22.60
Female	adult	80.67	63.85	22.15	14.68	6.70
Female	adult	89.80	52.00	23.40	17.30	9.6
Female	adult	92.21	77.50	21.98	20.05	-
Female	adult	93.16	78.63	23.34	16.92	10.80
Female	adult	95.20	79.82	25.05	16.87	12.20
Female	adult	95.36	83.75	28.34	20.66	13.70
Female	adult	96.23	79.58	25.13	17.49	12.20
Female	adult	96.73	84.41	27.28	20.23	16.10
Female	adult	99.22	74.54	25.89	18.66	11.60
Female	adult	99.87	71.35	27.75	20.18	22.40
Female	juvenile	70.43	58.42	19.32	13.85	-
Female	juvenile	75.86	64.15	22.01	15.78	7.30
Female	juvenile	78.99	68.82	22.76	16.80	9.80

Female	juvenile	80.37	69.29	22.02	15.35	8.30
Female	juvenile	83.21	72.16	24.34	17.05	9.40
Female	juvenile	83.42	80.13	22.97	17.82	10.60
Female	juvenile	83.84	72.00	22.68	15.18	9.70
Female	juvenile	84.75	70.93	24.33	16.04	8.80
Female	juvenile	86.67	67.46	24.48	16.11	9.30
Female	juvenile	88.79	78.98	23.41	17.64	10.30
Female	juvenile	-	-	-	-	4.90
Male	adult	100.35	91.31	27.60	20.95	19.30
Male	adult	102.28	68.56	28.94	19.68	17.10
Male	adult	102.42	87.47	19.49	11.46	19.30
Male	adult	103.10	54.12	27.31	20.75	13.80
Male	adult	103.16	83.78	27.62	20.16	-
Male	adult	103.41	68.13	28.50	19.65	16.50
Male	adult	104.08	91.39	28.19	22.06	15.20
Male	adult	104.88	66.13	28.36	21.13	20.50
Male	adult	105.18	54.14	25.70	19.89	12.70
Male	adult	106.04	86.06	28.84	20.03	-
Male	adult	106.30	69.77	30.36	22.29	20.00
Male	adult	106.48	67.39	29.32	19.77	19.50
Male	adult	106.67	88.88	28.28	21.07	19.30
Male	adult	106.71	81.76	29.77	21.77	21.70
Male	adult	106.99	75.11	29.60	20.39	23.10
Male	adult	107.32	94.68	29.24	21.52	19.80
Male	adult	107.58	93.84	27.97	20.16	20.50
Male	adult	107.83	94.84	28.40	20.34	20.10
Male	adult	109.00	96.00	30.18	22.12	-
Male	adult	109.18	79.79	31.25	22.06	20.80
Male	adult	109.31	95.41	29.73	22.26	20.80
Male	adult	109.40	70.30	28.20	20.80	18.8
Male	adult	109.47	87.76	28.36	21.16	19.30
Male	adult	109.67	76.25	30.27	22.91	21.40
Male	adult	109.89	97.98	29.66	21.12	21.50
Male	adult	110.06	50.92	29.68	21.31	-
Male	adult	110.21	73.62	29.15	20.62	15.50
Male	adult	110.40	94.04	29.58	21.86	21.00

Male	adult	110.50	75.36	29.39	22.21	18.70
Male	adult	110.59	86.04	29.78	21.10	23.10
Male	adult	110.69	96.10	29.14	23.50	20.30
Male	adult	110.76	71.41	29.55	21.22	22.70
Male	adult	110.81	63.97	30.81	21.46	20.50
Male	adult	111.14	94.99	32.19	22.64	22.10
Male	adult	111.64	73.50	28.51	20.25	22.30
Male	adult	112.10	91.02	26.89	27.56	18.60
Male	adult	112.23	71.92	23.75	21.50	-
Male	adult	112.26	72.77	31.64	20.81	21.50
Male	adult	112.29	87.66	31.60	21.58	18.10
Male	adult	112.30	82.40	30.50	21.40	22.1
Male	adult	112.56	79.19	30.37	22.42	-
Male	adult	112.70	69.90	31.58	22.51	-
Male	adult	113.08	72.04	30.44	20.50	24.40
Male	adult	113.52	103.25	30.09	24.60	-
Male	adult	113.87	75.97	30.38	22.34	23.10
Male	adult	114.69	77.62	30.28	19.79	21.90
Male	adult	114.74	74.97	31.67	22.77	22.10
Male	adult	114.75	69.04	28.85	20.13	19.80
Male	adult	115.30	79.15	32.23	23.15	23.00
Male	adult	116.31	68.77	30.10	23.48	27.80
Male	adult	117.50	75.64	32.08	23.85	23.30
Male	adult	117.70	87.60	32.20	22.20	22.2
Male	adult	121.55	67.99	30.67	22.91	25.00
Male	adult	90.60	86.00	25.90	19.30	13.3
Male	adult	96.71	78.66	26.88	19.08	-
Male	adult	99.20	89.60	28.06	18.32	-
Male	juvenile	61.50	49.10	16.09	12.84	3.60
Male	juvenile	66.63	50.28	18.08	12.93	5.00
Male	juvenile	66.92	56.27	19.49	13.59	-
Male	juvenile	72.48	65.47	21.06	15.50	7.40
Male	juvenile	74.25	61.03	19.79	12.84	7.20
Male	juvenile	78.18	67.54	21.60	15.47	7.70
Male	juvenile	82.04	70.32	21.60	14.76	8.90
Male	juvenile	82.91	73.86	21.93	15.92	9.30

Male	juvenile	85.83	67.78	22.75	16.28	9.50
Male	juvenile	86.09	74.29	23.68	18.52	10.20
Male	juvenile	88.22	66.79	22.31	18.27	8.80
Male	juvenile	88.71	82.34	25.31	19.12	12.50
Male	juvenile	91.81	85.36	26.93	21.58	17.60
Unknown	juvenile	52.83	39.88	14.32	10.71	2.70
Unknown	juvenile	54.70	42.99	15.62	6.96	3.10
Unknown	juvenile	54.82	44.66	15.60	12.12	3.10
Unknown	juvenile	55.10	45.60	15.83	11.08	3.10
Unknown	juvenile	57.34	48.40	16.14	12.51	3.10
Unknown	juvenile	58.24	49.58	16.83	11.99	3.10
Unknown	juvenile	60.63	49.02	6.05	7.86	3.60
Unknown	juvenile	60.80	46.80	11.58	12.20	-
Unknown	juvenile	61.11	48.01	17.38	12.14	4.30
Unknown	juvenile	62.43	49.31	16.44	11.80	3.90
Unknown	juvenile	64.89	49.48	18.04	12.25	-
Unknown	juvenile	66.38	54.64	18.83	12.58	-
Unknown	juvenile	66.96	53.70	18.98	14.23	5.30
Unknown	juvenile	67.40	56.10	18.10	14.20	4.6
Unknown	juvenile	80.95	67.84	21.08	15.08	9.50
