

# Natural history observations on the Endangered turtle *Geoemyda spengleri* in Tay Yen Tu Nature Reserve (Vietnam), with notes on other sympatric species

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## ONLINE APPENDICES

**Appendix 1.** Summary of the number of interviewees, divided by their commune of residence and by declared profession

Communes	Hunters	Traders	Traditional medicine collectors	Other	Total
Thanh Son Town	4	2	2	8	16
Tuan Mau	3	2	2	4	11
Tuan Dao	1	1	1	5	8
An Chau town	0	0	1	4	5
An Lac	1	0	3	3	7
Thanh Luan	1	1	4	3	9
An Lap	0	0	1	2	3
Long Son	0	0	1	3	4
Truong Son	1	0	0	2	3
Nghia Phuong	1	0	0	2	3
Vo Tranh	0	0	1	2	3
Total <i>n</i>	12	6	16	38	72

**Appendix 2.** Summary of the places where turtle individuals were observed during the interview surveys

Species	Trader's house	Hunter's house	Confiscated by rangers
<i>Geoemyda spengleri</i>	5	4	1
<i>Cuora mouhotii</i>	8	2	4
<i>C. cyclornata</i>		1	
<i>C. galbinifrons</i>	1	6	
<i>Indotestudo elongata</i>			1
<i>Palea steindachneri</i>	5		
<i>Pelodiscus sinensis</i>	1	1	
Total	20	14	6

**Appendix 3.** Summary of body measurements (mean  $\pm$  standard deviation) taken from both wild-caught and traded turtle individuals at the study area. Abbreviations: n = sample size; CP = carapace

Species	origin	n	CP length (mm)	CP width (mm)	Shell height (mm)	weight (g)
<i>Geoemyda spengleri</i>	wild	7	89.7 $\pm$ 38.3	55.4 $\pm$ 29.3	32.4 $\pm$ 15.8	127.4 $\pm$ 169.8
<i>G. spengleri</i>	traded	10	78.1 $\pm$ 21.4	47.7 $\pm$ 21.3	29.1 $\pm$ 13.7	68.7 $\pm$ 39.3
<i>Cuora cyclornata</i>	traded	1	136	91	not measured	63
<i>C. galbinifrons</i>	traded	7	157.2 $\pm$ 24.3	110.8 $\pm$ 17.2	not measured	154.0 $\pm$ 95.9
<i>C. mouhotii</i>	wild	1	171	109	56	538
<i>C. mouhotii</i>	traded	14	136.7 $\pm$ 31.0	98.1 $\pm$ 17.9	60.2 $\pm$ 9.1	352.3 $\pm$ 239.3
<i>Indotestudo elongata</i>	traded	1	not measured	not measured	not measured	not measured
<i>Palea steindachneri</i>	traded	5	252.3 $\pm$ 7.5	215.0 $\pm$ 5.0	not measured	2433.3 $\pm$ 288.7
<i>Pelodiscus sinensis</i>	traded	2	112	105	35	204

**Appendix 4.** Summary of the raw data concerning the wild turtle individuals that were observed during the present study in Tay Yen Tu NR. Precise geographic coordinates are not reported for conservation reasons, but are available on request from the authors. T = ground temperature, Alt = elevation (m a.s.l.).

Date	Time	T (°C)	Species name	Alt (m)	Gender	Age classify	Habitat type	Slope	Forest cover	Type of search
25-July-18	12:35	29.00	<i>Cuora mouhotii mouhotii</i>	607	M	Adult	Herb bush	5	50	Dog
24-July-18	13:45	26.00	<i>Geoemyda spengleri</i>	725	unk	hatching	Bamboo forest	45	90	people
24-July-18	11:20	25.00	<i>G. spengleri</i>	724	F	Adult	Rocky cave	10	70	people
24-July-18	11:44	25.00	<i>G. spengleri</i>	724	M	Sub-adult	Rocky cave	7	70	people
24-July-18	11:07	26.00	<i>G. spengleri</i>	710	F	Adult	Bamboo forest	5	75	Dog
24-July-18	13:20	26.00	<i>G. spengleri</i>	705	F	Juvenile	Rocky cave	45	80	people
22-July-18	10:47	27.00	<i>G. spengleri</i>	651	M	Adult	Bamboo forest	25	80	people
22-July-18	12:30	30.00	<i>G. spengleri</i>	659	F	Adult	Bamboo forest	35	70	people