

Supplementary Material to Carbot-Chanona, G., Eng-Ponce, J., Gómez-Pérez, L.E. (2020), Description of the *Neochoerus* specimens from the late Pleistocene (Rancholabrean) of Chiapas, and comments on the taxonomic identity of the fossil capybaras from other Mexican localities. Boletín de la Sociedad Geológica Mexicana, 72 (1), A021019. <http://dx.doi.org/10.18268/BSGM2020v72n1a021019>

Appendix 1. Dental measurements of *Neochoerus* and *Hydrochoerus* species.

Taxon	Collection number	p4 width (mm)	p4 length (mm)	m1 width (mm)	m1 length (mm)	m2 width (mm)	m2 length (mm)	m3 width (mm)	m3 length (mm)	Source	Notes
<i>Neochoerus aesopi</i>	IHNFG-4866	12.91	30.98	12.27	24.4	16.65	24.7	20.63	30.98	this work	Right tooth row
<i>Neochoerus aesopi</i>	IHNFG-4866	14.02	30.1	13.01	23.57	17.65	23.26	21.51	28.25	this work	Left tooth row
<i>Neochoerus aesopi</i>	IHNFG-4875	9.2	20.21	10.09	17.16	-	-	-	-	this work	Juvenile specimen
<i>Neochoerus aesopi</i>	Without number	12.03	26.38	12.95	24.82	20.33	24.52	17.2	29.15	Mones (1991)	Mean
<i>Neochoerus aesopi</i>	99	7.26	16.57	-	-	-	-	-	-	INAH Mexico City	
<i>Neochoerus aesopi</i>	100	8.55	17.92	-	-	-	-	-	-	INAH Mexico City	
<i>Neochoerus aesopi</i>	101	12.77	31.54	-	-	-	-	-	-	INAH Mexico City	
<i>Neochoerus aesopi</i>	102	11.42	31.14	-	-	-	-	-	-	INAH Mexico City	
<i>Neochoerus aesopi</i>	103	10.7	27.32	-	-	-	-	-	-	INAH Mexico City	
<i>Neochoerus aesopi</i>	105	11.95	26.13	-	-	-	-	-	-	INAH Mexico City	
<i>Neochoerus aesopi</i>	249	-	-	-	-	-	-	18.24	26.29	INAH Mexico City	
<i>Neochoerus aesopi</i>	259	-	-	-	-	-	-	19.39	26.95	INAH Mexico City	
<i>Neochoerus aesopi</i>	273	-	-	-	-	-	-	18.73	28.67	INAH Mexico City	
<i>Neochoerus aesopi</i>	PN-08	-	-	-	-	-	-	17.47	23.79	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-09	11.27	23.59	11.8	21.13	15.95	23.25	18.93	28.85	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-10	10.86	23.91	11.66	21.96	15.62	22.92	17.65	24.5	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-11	11.54	25.65	12.11	21.49	18	24.21	20.84	27.14	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-12	10.23	27.66	10.97	23.07	15.09	22.01	17.71	26.8	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-13	10.81	22.69	11.46	20.69	15.13	22.08	18.19	-	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-14	9.75	22.28	10.78	17.7	13.59	20.65	16.77	23.54	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-15	8.87	23.99	12.04	21.06	-	-	-	-	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-16	10.07	20.62	-	-	-	-	-	-	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-17	10.92	23.55	11.91	19.75	11.72	-	-	-	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-18	10.42	23.06	10.84	18.61	14.07	20.05	16.12	25.39	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-19	5.76	12.02	6.64	11.32	-	-	-	-	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-20	4.72	10.36	-	-	-	-	-	-	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-21	5.49	15.41	-	-	-	-	-	-	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus aesopi</i>	PN-22	6.04	13.37	-	-	-	-	-	-	INAH Mexico City	Not catalogued, PN = provisional number
<i>Neochoerus pinckneyi</i>	941 DP	-	-	-	-	16	24.2	-	-	INAH Mexico City	DP= Departamento de Prehistoria (Prehistory Department; Álvarez, 1969)
<i>Neochoerus tarijensis</i>	Without number	-	23.56	-	21.86	-	22.9	-	32.9	Mones (1991)	Mean
<i>Neochoerus sulcidens</i>	Without number	12	25.87	13.4	21.3	17.5	25	21.4	30.5	Mones (1991)	Mean
<i>Neochoerus occidentalis</i>	MPGJ 2968	10	21	11	19	-	-	-	-	Carranza-Castañeda (2016)	
<i>Neochoerus occidentalis</i>	AWC 20369	13.2	26.9	14.1	23.1	16.5	23.6	-	-	Carranza-Castañeda (2016)	
<i>Neochoerus cordobai</i>	IGM 5836	14*	28*	13	26	14	28	22	30	Carranza-Castañeda and Miller (1988)	
<i>Neochoerus cordobai</i>	IGCU 5658	-	-	12	21	13	23	17	26	Carranza-Castañeda and Miller (1988)	
<i>Hydrochoerus hydrochaeris</i>	MCPU-PV-047	11.5	20.5	11	17.5	18.5	20	15	24	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCPU-M-041	11	22	12	20	15	20	16	23	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-PV 9573	10.5	20.5	11.5	18.5	13	20	16	24.5	Kerver and Ribiero (2011)	Fossil specimen
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2727	12	23.5	13	20	15	20	16	24	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3221	12	21	12.5	19	13.5	20	15.5	24	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2830	12	23	12	20	16.5	22	17.5	23	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2652	10	22	11	18.5	15	22.2	17	26.5	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2721	10	21	11	19	12	20	15	24	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 1691	10	20.5	11	20	14	18	15	22	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3222	12	24	25	21	16	22.5	18	26	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2812	10	19	11	17	13	18	14	22	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 1639	12	20	12.5	16.5	12.5	17	14	19	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3207	10	19.5	11.5	17.5	14	19	15.5	24	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3217	11	19	22	16.19	22	18.5	15	21	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2679	10	21	11	19	12	20	15	24	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3205	11	21	12	19	14	17	15	23	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3206	10.5	20	10	16	11	17.5	15	23.5	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3234	10.5	20	10	16	13.5	18	15	23	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3223	12	23	12.5	20.5	15	21.5	17	25	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3026	11	18.8	11	17	12.5	18	19	19	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3208	9	15	10	14.5	12	15	12	17	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3219	9	16	10	13.5	12	14	12	17	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2320	8	15.5	10	14	11	14	11	17.5	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3218	7.5	15	9	13	9.5	12	10	16	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 1766	6	12	6	10	7	11	8	14	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-D-0350	11.5	21	14	18.5	20	22.5	15	22	Kerver and Ribiero (2011)	

Appendix 2. Mandibular measurements of *Nechoerus* and *Hydrochoerus* species.

Taxon	Collection number	p4-m3 length (mm)	Diastema length (mm)	Source	Notes
<i>Nechoerus aesopi</i>	IHNFG-4866 (right)	110	90.05	this work	Right tooth row
<i>Nechoerus aesopi</i>	IHNFG-4866 (left)	100.5	90.05	this work	Left tooth row
<i>Nechoerus aesopi</i>	78 (INAH Jalisco)	99.26	71.97	Carranza-Castañeda (2016)	Measurements obtained with ImageJ
<i>Nechoerus aesopi</i>	126 (INAH Jalisco)	89.87	40.3	Carranza-Castañeda (2016)	Measurements obtained with ImageJ
<i>Nechoerus pinckneyi</i>	-	110	-	Carranza-Castañeda y Miller (1988)	
<i>Nechoerus cordobai</i>	IGM 5836	112	-	Carranza-Castañeda y Miller (1988)	
<i>Nechoerus occidentalis</i>	MPGJ 2968	-	69.98	Carranza-Castañeda (2016)	
<i>Nechoerus occidentalis</i>	AWC 20369	-	60.19	Carranza-Castañeda (2016)	Approximate measurement because the diastema is incomplete
<i>Hydrochoerus isthmius</i>	-	65.18	38.55	Mones (1991)	Mean
<i>Hydrochoerus hydrochaeris</i>	-	80.85	44.52	Mones (1991)	Mean
<i>Hydrochoerus hydrochaeris</i>	MCN-PV 9573	86	-	Kerver and Ribiero (2011)	Fossil specimen
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2727	86	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3221	79	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCPU-047	80.5	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2830	90	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2652	89	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2721	78	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 1691	80	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3222	90	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2812	75	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCPU-041	84	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 1639	75.9	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3207	76.5	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3217	76	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2679	78	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3205	78	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-D-0350	80	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3206	75	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3234	75	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3223	84.5	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3026	72	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3208	61	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3219	61	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 2320	59.8	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 3218	54	-	Kerver and Ribiero (2011)	
<i>Hydrochoerus hydrochaeris</i>	MCN-M 1766	48.5	-	Kerver and Ribiero (2011)	