

Appendix

Appendix Table 1

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) upper premolars from Upper Pleistocene cave localities in Poland

Locality	LP ²		WP ²		LP ³		WP ³		LP ⁴		WP ⁴	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
Oblazowa Cave	12.34	-	10.66	-	15.22	14.76	12.41	11.25	15.98	15.79	13.89	11.63
Nietoperzowa Cave	13.77	-	12.53	-								
Łokietka Cave					13.02	-	12.52	-	14.89	-	14.14	-
Jasna Strzegowska Cave					16.89	16.43	14.46	10.34			11.09	-
Cave IV in Birów Hill	13.6	10.98	13.35	6.9	16.1	11.06	15.95	6.82	17.07	14.87	15.95	11.09
Cave in Dziadowa Skała	13.48	13.48	14.82	14.82	14.37	14.37	13.37	13.37	17.07	15.83	17.03	14.09
Deszczowa Cave	16.07	13.38	16.81	11.03	14.41	14.41	8.04	8.04	16.37	16.16	14.33	13.63
Shelter III in Sokole Hills	13.85	-	15.01	-								
Komarowa Cave	16.47	9.93	13.78	6.95	16.4	12.48	12.96	7.66	16.13	12.86	17.82	13.9
Stajnia Cave	14.76	13.69	12.85	9.61	15.26	14.71	14.63	13.96	15.83	9.63	16.48	11.2
Raj Cave	12.39	12.39	9.26	9.26	16.79	14.27	16.04	13.39	15.76	12.92	13.76	12.63

L – length at biting surface, W – width at the biting surface

Appendix Table 2

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) upper molars, from Upper Pleistocene cave localities in Poland

Locality	LM ¹		WM ¹		LM ²		WM ²		LM ³		WM ³	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
Oblazowa Cave					20.34		14.79		19.36		15.09	
Nietoperzowa Cave	18	17.16	15.88	13.35	18.18	18.18	14.46	14.46	21.17	17.98	16.35	13.66
Łokietka Cave	16.39	-	13.62	-	19.22	-	15.31	-				
Jasna Strzegowska Cave	19.68	-	12.24	-								
Cave IV in Birów Hill	19.95	13.88	18.3	9.96	20.4	17.02	17.43	10.88	21.33	16.9	17.26	10.52
Cave in Dziadowa Skała	22.44	16.9	16.92	14.06					20.53	16.13	15.58	15.42
Deszczowa Cave	18.94	17.31	15.14	13.25	20.04	20.04	16.81	16.81	21.63	16.62	16.92	13.93
Shelter III in Sokole Hills									19.41	-	14.44	-
Komarowa Cave	19.27	13.99	16.45	13.26	20.54	17.3	16.49	9.15	22.72	15.75	17.06	10.18
Stajnia Cave	21.43	19.01	15.43	10.16	19.9	16.9	17.02	9.36	20.23	16.03	16.65	7.01
Raj Cave	16.42	16.29	13.4	13.4	18.53	17.76	18.4	18.4	20.6	16.92	18.15	10.83
Łysa z Bramą Rock Shelter	15.91	-										

L – length at biting surface, W – width at the biting surface

Appendix Table 3

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) lower premolars, 1758,
from Upper Pleistocene cave localities in Poland

Locality	LP ₂		WP ₂		LP ₃		WP ₃		LP ₄		WP ₄	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
Oblazowa Cave	10.83	-	7.12	-					18.64	16.23	12.29	10.41
Deszczowa Cave	12.65	10.34	10.2	7.29	15.33	11.91	10.44	8.16	16.02		11.76	
Jasna Strzegowska Cave									17.43	-	12.35	-
Cave IV in Birów Hill	13.44	9.68	8.66	6.84	15.43	14.09	11.51	9.92	17.05	12.93	12.13	8.51
Zegar Cave					11	-	5.12	-				
Cave in Dziadowa Skała									20.12	-	12.23	-
Shelter III in Sokole Hills					13.96	-	6.81	-				
Komarowa Cave	12.65	9.66	9.43	7.89	18.1	15.19	11.25	7.72	16.78	-	10.51	-
Stajnia Cave	12.25	16.6	7.96	6.59	17.84	15.98	13.03	8.69	16.15	13.97	16.38	9.45
Raj Cave	19.1	16.98	14.46	9.98	13.75	-	10.33	-	17.38	14.53	17.38	9.66
Łysa z Bramą Rock Shelter					12.77	-	9.8	-	15.97	-	13.47	-
Północna Duża Cave	12	-	7.9	-	11	-	5.12	-	16.7	-	10.4	-

L – length at biting surface, W – width at the biting surface

Appendix Table 4

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) lower molars,
from Upper Pleistocene cave localities in Poland

Locality	LM ₁		WM ₁		HM ₁		LM ₂		WM ₂		LM ₃		WM ₃	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
Oblazowa Cave	21.2	17.81	12.37	10.62	-		20.7	18.52	10.92	10.62	25.63	24.05	11.44	9.51
Nietoperzowa Cave							19.6		9.78	-	24.83	-	10.19	-
Łokietka Cave	22.3	-	10.34	-										
Jasna Strzegowska Cave											22.16	-	11.02	-
Cave IV in Birów Hill	20.14	13.23	15.47	7.74	9.5	2.37	21.41	16.55	11.68	9.76	26.31	21.88	11.56	8.79
Zegar Cave							18.22	-	10.07	-	21.82	-	8.87	-
Deszczowa Cave	21.41	18.9	10.37	9.53	13.41	9.13	21.09	20.52	10.33	9.64	24.49	23.51	10.9	10.34
Komarowa Cave	20.66	15.25	11.65	9.75	9.66	3.87	21.01	16.52	17.27	9.61	23.58	20.66	10.86	9.21
Stajnia Cave	19.96	13.78	14.84	9.62	11.06	2.53	19.88	16.08	15.18	10.57	24.08	22.11	11.88	9.43
Raj Cave	19.96	13.78	19.14	12.29	10.08	7.3	10.8	3.15	26.75	15.98	16.21	11.17	23.79	23.69
Łysa z Bramą Rock Shelter	20.81	-	15.79	-										
Północna Duża Cave											23	-	9.6	-

L – length at biting surface, W – width at the biting surface

Appendix Table 5

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) scapula, from Upper Pleistocene cave localities in Poland

Locality	BG	GLP	LG
Cave IV in Birów Hill	26.59	34.36	27.69
Dziadowa Skała Cave	18.94		23.42
Raj Cave	30.81		34.97

BG – width of glenoid cavity, GLP – Greatest length of processus articularis, LG – length of glenoid cavity

Appendix Table 6

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) humerus, from Upper Pleistocene cave localities in Poland

Locality	GLC	GL	Bp	SD	Bd	BT
Nietoperzowa Cave					40.93	
Koziarnia Cave	234.54			26.61	48.36	47.33
Jasna Strzegowska Cave					43.41	38.54
					50.42	45.81
Cave IV in Birów Hill		217.81		25.15	48.91	
				24.7	48.84	
					42.28	
					48.3	
					49.23	
					43.59	
				46.09		
Stajnia Cave			44.7			42.82
Łysa z Bramą Rock Shelter				27.41		

GLC – greatest length of lateral part, GL – greatest length, Bp – width of proximal end, SD – smallest width of diaphysis, Bd – width of distal end, BT – width of trochlea

Appendix Table 7

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) radius, from Upper Pleistocene cave localities in Poland

Locality	GL	Bp	BFp	CD	Bd	BFd	Dp
Jasna Strzegowska Cave					39.73	24.01	
				54.00			
Cave IV in Birów Hill				45.12	26.98		
				42.07	25.89		
		42.85				42.85	
Wschodnia Rock Shelter		48.57					
					40.48	24.51	
Mrocza Cave		43.38					
Jasna Smoleńska Cave	257.07	43.96	25.91	78	41.31	29.49	
Komarowa Cave		44.1	29.44				
					41.04	25.96	
Stajnia Cave					44.31		
		36.53	35.57				
		41.37					
					43.29	26.78	
Raj Cave					45.19	40.61	
					42.22	37.43	
		46.99	45.89				
		48.26					27.06
					49.07		

GL – greatest length, Bp – width of proximal end, BFp – width of facies articularis proximalis, CD – circumference of diaphysis, SD – smallest width of diaphysis, Bd – width of distal end, BFd – width of facies articularis distalis

Appendix Table 8

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) metacarpals, from Upper Pleistocene cave localities in Poland

Locality	GL	Bp	Dp	SD	Bd	Dd
Zbójecka Cave	198	37.4		25.0	45.5	
Łabajowa Cave	200.99	36.64	25.83	25.15	45.37	21.7
Cave IV in Birów Hill		32.15	23.91	17.54	39.95	20.83
					39.67	
					37.78	
		29.48				
Deszczowa Cave	184	32.82	24.03	19.51	41.32	20.58
Rock Shelter III in Sokole Mts					44.09	21.37
Komarowa Cave					44.76	
					45.75	
Stajnia Cave		33.81	24.36			
					38.05	
		34.35				
		36.07				
				41.23	19.78	

GL – greatest length, Bp – width of proximal end, Dp – depth of proximal end, SD – smallest width of diaphysis. Bd – width of distal end, Dd – depth of distal end

Appendix Table 9

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) femur, from Upper Pleistocene cave localities in Poland

Locality	Dc	Bp	SD	Bd
Jasna Strzegowska Cave				45.89
		52.84	20.5	
Cave IV in Birów Hill	29.71			
	29.12			
	30.04			
	27.46			
	28.51			
Stajnia Cave	29.57			
	30.35			
	30.06			
	27.19			
	29.46			
Raj Cave	25.97			
	30.45			
	28.72			

Dc – depth of caput femoris, Bp – width of proximal end, SD – smallest width of diaphysis Bd- width of distal end

Appendix Table 10

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) pelvis, from Upper Pleistocene cave localities in Poland

Locality	LA	LAR	SH	SB	SC
Cave IV in Birów Hill	38.87	30.55	22.54	10.78	60
	43.56	33.16	30.45		89
	42.44	33.95			
Deszczowa Cave	44.94	34.57			
		40.49	32.8	23.87	11.6

LA – length of acetabulum including lip, LAR – length of acetabulum on rim, SH – smallest height of shaft of ilium, SB – smallest width of shaft of ilium, SC – smallest circumference of shaft of ilium

Appendix Table 11

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) calcaneus, from Upper Pleistocene cave localities in Poland

Locality	GL	GB
Stajnia Cave		32.67
Jasna Strzegowska Cave	88.71	27.2
	83.08	24.88
		30.6
	86.55	31.54
	91.62	31.39
		33.27
Cave IV in Birów Hill	91.02	28.25
		28.61
		31.07
		25.57
		31.01
		30.57
		24.04
		28.11
		28.32
		22.32
	24.52	
	26.07	
	33.72	
Cave in Dziadowa Skala		27.07
Deszczowa Cave		30.79
		37.66
		31.03
		30.79
Komarowa Cave	75.14	28.13
		30.67
	76.99	28.84
		26.19
		29.61

GL – greatest length, GB – greatest width

Appendix Table 12

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) tibia, from Upper Pleistocene cave localities in Poland

Locality	GL	Bp	SD	Bd	Dd
Łokietka Cave				38.08	
				40.43	
Jasna Strzegowska Cave				38.92	31.1
				42.27	
				51.49	
				65.51	
Wschodnie Rock Shelter				41.14	
				40.87	
				37.53	
Mrocza Cave				48.87	
				47.34	
Cave IV in Birów Hill	244.82	64.25	24.41	50.34	
		67.78			
				41.06	
				38.64	
				44.97	
				38.99	
				43.07	
				36.83	
				38.09	
				36.56	
				38.75	
Deszczowa Cave				41.93	33.17
				37.64	30.1
				40.32	33.01
				35.68	31.18
Komarowa Cave				45.91	37.24
				41.39	32.27
				42.99	32.12
			30.74	38.02	
Stajnia Cave				30.67	43.05
				37.42	31.76
Raj Cave				40.17	
			25.68	37.86	33.28
				37.35	32.24
				36.13	42.16
Łysa z Bramą Rock Shelter				30.11	36.55
				41.07	

GL – greatest length, Bp – width of proximal end, SD – smallest width of diaphysis, Bd – width of distal end, Dd – depth of distal end

Appendix Table 13

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) astragalus, from Upper Pleistocene cave localities in Poland

Locality	GLI	GLm	DLI	DLm	Bd
Łokietka Cave		44.59		24.45	
	43.86	41.12	23.75	24.79	27.37
	46.73	42.99	25.32	26.66	29.1
Jasna Strzegowska Cave	45.65	42.31	25.71	26.43	29.63
	47.85	21.82	19.44	16.63	47.85
	45.97	21.24	14.89	17.8	45.97
				15.47	
Cave IV in Birów Hill	44.01	40.2	23.78	24.89	27.11
	48.33	45.26	28.65	26.21	29.14
	39.31	42.96	24.91	25.76	27.88
	47	44.43	26.33	27.88	29.73
	47.03	42.66	26.14	27.21	29.3
	48.92	44.76	26.89	27.04	30.67
	46.39	42.26	27.34	26.11	29.95
	51.15	47.29	27.97	28.67	31.04
	42.31	40.76	23.07	24.57	25.91
	45.95	42.28	25.67	26.77	28.59
	40.83	43.42	25.58	24.52	26.61
	40.13				
	42.12				
Cave in Dziadowa Skała	46.73	43.28	25.4	26.28	28.53
	44.9	42.09	24.15	24.85	26.91
Deszczowa Cave	44.46	41.44	24.61	25.38	27.28
	42.31	38.92	23.03	24.32	27.12
	51.22	47.01	27.77	29.5	32.46
	46.01	44.18	25.34	26.18	30.18
	45.79	41.98	24.29	27.06	29.22
	46.61	42.49	25.23	27.25	27.75
	44.73	42.42	24.67	26.15	29.26
46.13	43.12	25.48	26.85	29.71	
Komarowa Cave	50.6	46.98	27.49	29.74	31.4
	45.99	42.42	25.75	26.48	29.38
	47.56	44.35	26.24	27.69	29.33
	49.63	45.57	27.35	26.75	26.82
	46.15	42.81	27.06	25.06	27.79
		23.67			
Stajnia Cave					27.12
	43.31	45.11	29.21	25.52	29.93
		45.47	25.15		29.28
	45.49				
	45.11	43.05			
	48.23	43.89			27.45
	44.54	42.35			26.78
	45.93	43.41			28.23
48.94	45.44			29.11	
	42.78				
Naciekowa Cave	44.91	42.6	24.79	25.83	26.72
Raj Cave	44.02	42.89	24.1	25.59	28.38
	45.53	43.21	26.28	27.1	26.73
	49.41	45.61	26.47	27.8	30.2
	45.54	43.32	24.7	23.05	25.48
			20.65	23.59	

GLI – greatest length of lateral half, GLm – greatest length of medial half, DI – depth of lateral half, Dm – depth of medial half, Bd – width of distal end

Appendix Table 14

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) metatarsals, 1758, from Upper Pleistocene cave localities in Poland

Locality	GL	Bp	Dp	SD	CD	Bd	Dd
Cave IV in Birów Hill						41.79	
		27.66	28.65				
Deszczowa Cave	189.1	27.31	29.31	15.41	62	36.01	21.76
Komarowa Cave				12.58	49	28.38	18.13
		33.86	28.3				
						42.01	24.99
Stajnia Cave				15.12		32.04	

GL – greatest length, Bp – width of proximal end, Dp – depth of proximal end, SD – smallest width of diaphysis, CD – circumference of diaphysis, Bd – width of distal end, Dd – depth of distal end

Appendix Table 15

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) phalanx I, from Upper Pleistocene cave localities in Poland

Locality	GLpe	Bp	SD	Bd
Oblazowa Cave	40.81	15.87	14.42	19.89
		18.64		
		22.09		
				17.34
Nietoperzowa Cave				16.82
	49.45	22.77	14.9	19.13
	43.8	20.25	13.77	14.74
	46.22	19.99	13.47	17.03
				18.55
				19.17
Jasna Strzegowska Cave	39.2	17.32	14.09	14.09
	50.47	20.16	14.53	18.09
Cave IV in Birów Hill				16.86
				17.24
			13.99	17.37
			13.85	16.98
			13.54	16.26
			15.2	18.03
	47.88	20.8	15.09	17.48
	49.66	19.75	13.96	16.76
	17.01	19.61	13.28	17.24
	40.26	17.46	12.47	16.9
	49.84	22.83	16	19.58
	48.41	19.87	12.68	16.21
	54.4	20.13	13.94	16.84

Locality	GLpe	Bp	SD	Bd
Cave IV in Birów Hill	49.89	20.61	14.51	17.05
	49.28	19.69	12.97	14.8
	50.2	22.38	14.98	18.81
	47.1	20.22	13.87	17.34
	52.89	19.41	13.02	
				19.5
				18.28
				17.52
				19.07
				18.07
Cave in Dziadowa Skala				19.38
	51.73	22.36	16.44	18.31
		19.17		
		19.6		
				16.38
			20.68	
Deszczowa Cave			11.85	
	38.89	18.52	13.64	16.86
	53.18	21.93	14.65	19.33
	47.28	20.94	15.95	17.87
	44.49	19.89	14.28	16.66
	49.69	20.86	13.31	18.43
Shelter III in Sokole Hills	45.63	20.57	13.88	16.63
				15.88
	52.84	21.15	16.68	18.01
	50.94	21.96	14.43	18.44
Komarowa Cave				17.9
	49.76	21.67	14.87	18.37
	45.88	27.73	13.44	14.43
	49.66	21.37	14.26	19.86
	53.93	23.3	16.58	19.43
	48.42	22.2	15.04	18.4
	47.9	20.36	15.01	18.37
		22.98		
		21.96		
		18.53		
		22.21		
				17.14
				17.79
				18.73
				17.74
				17.5
				18.27
			19.06	
			17.11	
			16.39	
			20.89	
			17.51	
			18.72	
			15.41	

Locality	GLpe	Bp	SD	Bd	
Komarowa Cave				16.91	
		22.71			
		20.51			
		15.22			
Stajnia Cave	48.99	18.97	12.34	16.34	
				19.1	
		16.57			
	40.12	18.87	13.67	15.12	
	32.69	17.21	13.09	15.73	
	52.05	21.19	15.12	18.78	
	40.02	19.24	13.32	15.05	
	51.15	20.99	14.81	19.12	
				14.78	
				17.01	
				15.47	
				13.38	
		21.53			
		15.51			
		19.72			
		17.53			
		20.87			
		33.43	17.01	12.87	14.23
		36.73	18.95	14.45	18.08
			18.04		
			19.72		
			20.15		
					16.86
					17.4
					18.16
					16.67
					17.33
					17.88
					17.05
					17.27
					17.23
					16.69
				16.99	
				19.08	
	49.03	17.61	13.55		
			11.7		
		19.54			
		21.75			
		20.73			
		20.46			
		19.3			
		19.68			
Raj Cave	51.55	21.56	14.67	18.02	
				15.84	
				18.16	
				18.81	

Locality	GLpe	Bp	SD	Bd
Raj Cave		16.82		
		19.3		
	49.5	23.39	14.96	19.06
		21.94		
	47.63	20.77	14.29	16.44
		20.86		
Łysa z Bramą Rock Shelter		19.79		
		22.11		
Łysa z Bramą Rock Shelter	37.75	20.76	13.47	18.44

GLpe – greatest length of peripheral half, Bp – width of proximal end, SD – smallest width of diaphysis, Bd – width of distal end

Appendix Table 16

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) phalanx II, from Upper Pleistocene cave localities in Poland

Locality	GLpe	Bp	SD	Bd
Oblazowa Cave	35.65	18.27	13.54	17.38
Nietoperzowa Cave	33.51	15.96	11.68	13.42
	38.78	18.76	13.11	14.78
	35.81	16.43	11.01	14.35
	28.85	15.14	10.91	12.97
		18.61		
Cave IV in Birów Hill		18.37		
	37.73	18.06	13.08	15.46
	32.07	17.57	13.47	15.91
	35.76	18.47	13.93	15.4
	37.58	17.61	13.55	14.61
	39.29	18.83	13.98	16.99
	35.84	16.79	13.76	13.79
	37.08	17.99	13.67	16.84
	35.11	17.7	12.75	14.97
		19.48		
		21.6		
		18.39		
				17.14
		17.73		
				18.44
		19.25		
		17.05		
			16.64	
			16.33	
Cave in Dziadowa Skala	36.57	18.45	13.68	16.88
	33.45	15.74	12.74	13.27
		17.36		
Deszczowa Cave		18.85		
	33.46	17.83	12.66	15.49
	31.3	14.7	11.68	13.9

Locality	GLpe	Bp	SD	Bd
Deszczowa Cave	31.35	16.67	10.72	
				19.28
		15.71		
		17.89		
		16.91		
		14.69		
	36.56	16.46	12.95	
		17.06		
				15.49
		17.36		
Komarowa Cave	30.53	16.18	11.66	13.74
	28.71	15.1	11.14	13.6
	35.2	16.13	12.22	14.62
	35.07	18.92	14.43	16.82
	38.67	19.66	14.24	17.94
	34.15	15.91	11.6	13.12
	42.01	19.69	13.69	16.79
	38.77	18.88	13.37	15.9
	39.21	19.44	14.65	17.15
	38.45	20.02	15.35	17.79
	38.58	18.42	14.01	16.22
	33.95	17.77	12.64	15.7
	37.69	19.35	14.58	17.08
		19.09		
				14.45
		16.18		
		17.85		
				14.96
				14.29
				17.83
	14.71			
			18.74	
	18.27			
			17.11	
Stajnia Cave	36.38	18.85	13.09	15.47
	31.61	17.1	13.2	16.04
		21.33		
	35.45	16.9	12.96	15.18
	33.04	17.12	12.98	15.9
			18.25	
Raj Cave	36.47	18.29	12.89	17.31
		18.76		

GLpe – greatest length of peripheral half, Bp – width of proximal end, SD – smallest width of diaphysis, Bd – width of distal end

Appendix Table 17

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) phalanx III, from Upper Pleistocene cave localities in Poland

Locality	DLS	Ld	MBS
Cave IV in Birów Hill	37.2	36.85	8.4
	36.45	33.98	8.48
Deszczowa Cave	35.83	34.32	
	39.47	38.78	
Komarowa Cave	38.38	34.63	
	43.87	43.05	
	44	45.92	
	38.14	40.41	

DLS – diagonal length of sole, Ld – length of dorsal surface, MBS – middle width of sole

Appendix Table 18

Measurements of reindeer (*Rangifer tarandus* Linnaeus, 1758) antlers, from Upper Pleistocene cave localities in Poland

Locality	AP		LM	
	Max.	Min.	Max.	Min
Nietoperzowa Cave	43.33	29.41	39.92	25.12
Jasna Strzegowska Cave	24.33	17.06	21.9	15.27
Cave IV in Birów Hill	48.46	8.72	42.87	7.24
Zegar Cave	38.69	-	32.38	-
Cave in Dziadowa Skala	39.03	-	30.67	-
Deszczowa Cave	52.25	11.2	36.29	11.38
Komarowa Cave	25.26	18.45	18.01	11.57
Stajnia Cave	39.97	14.78	36.82	11.21
Raj Cave	44.96	13.56	60.54	12.04

AP – stem width above coronet, LM – stem thickness above coronet