

UNIVERZITA KARLOVA

Filozofická fakulta

Ústav pro klasickou archeologii

Diplomová práce



Kristina Doležalová

## **O vulkanických horninách.**

**Mlecí kameny a jejich operační řetězec z období**

**2. tisíciletí př. n. l. v západní Anatónii**

**Část 2: KATALOG**

prof. PhDr. Peter Pavúk, Ph.D.

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CHARLES UNIVERSITY

Faculty of Arts

Institute of Classical Archaeology

Master thesis



Kristina Doležalová

## **The tale of volcanic rocks.**

**Assessing the grinding stones and their chaîne  
opératoire in 2<sup>nd</sup> Millennium BC Western Anatolia**

**Part 2: CATALOGUE**

prof. PhDr. Peter Pavúk, Ph.D.

Prague 2023

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## **Kaymakçı morphometric database**

- **ID and E.N.CN.SN**

The Kaymakçı finds have the identification number based on the EA and context, where they were found (Easting of EA/ Northing of EA/Context Number/Sample Number= E.N.CN.SN).

- **Category**

The artifacts were divided into the categories: grinding stone, mortar, drilled GS, hollowed GS (hollowed mortar), torus stone, drilled disc, socket stone.

- **Type**

The GSs if possible were divided into lower and upper.

- **Degree of wholeness = DoW**

Gives an estimate of the percentage of preservation of the object.

- **Part** (Fig. 1)

Indicates which part of the artefact has survived: whole, mostly whole, half, middle part, part of edge, fragment (indeterminable piece).

- **Shapes** (Fig. 2, 3)

The shape of GSs is described in the front view (**SF**), longitudinal (**SL**) and transverse cross section (**ST**).

- **Dimensions** (Fig. 4)

Following dimensions were measured on the artifacts: maximal length in cm (**L**), maximal width in cm (**W**), maximal thickness in cm (**ThA**), minimal thickness in cm if applicable (**ThI**), weight in g (**M**), depth of concavity in mm (**DC**) and diameter of hollow in mm (**D**).

- **Working surface**

The development of the working surface (concave, convex, straight) in the longitudinal (**LWS**) and transverse cross section (**TWS**) and its development across the tool was observed for the GSs (**WS**, Fig. 2,3). It was also estimated how long (unused, shortly used, used, heavily used) the tool was used (**U**).

- **Ergonomic adjustments** (**H**, Fig. 2)

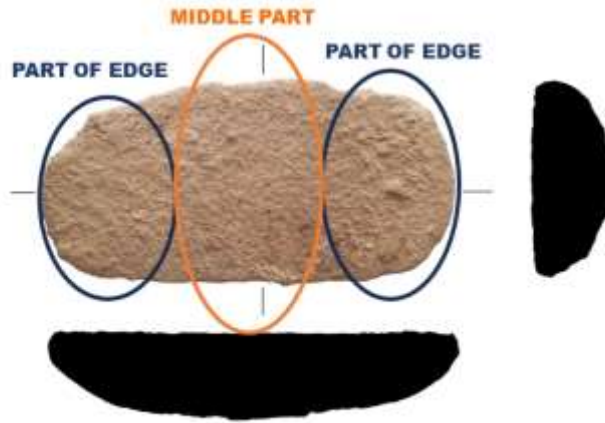


Fig. 1. Marked preserved parts of GS.

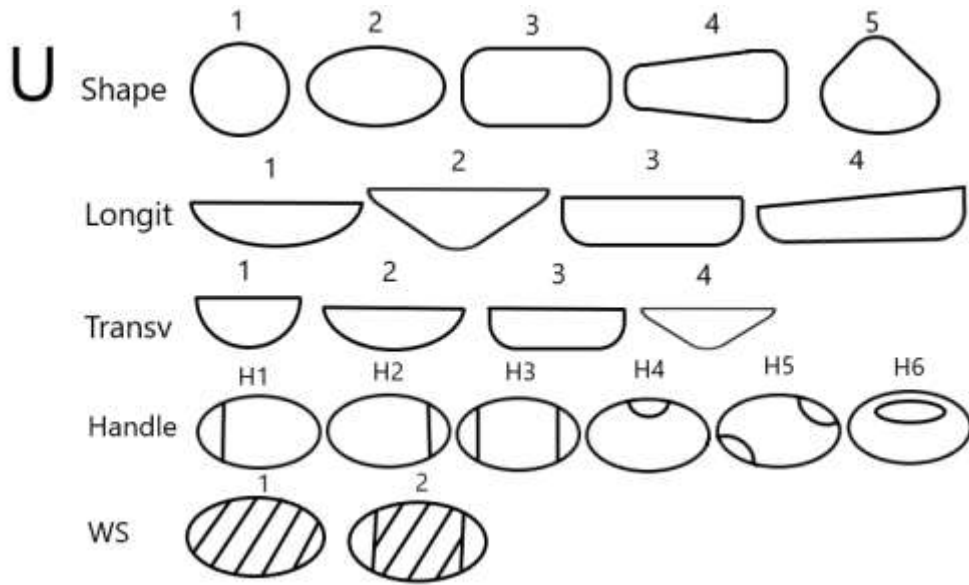


Fig. 2. The shapes of UGSs, types of ergonomic adjustments and extension of working surface.

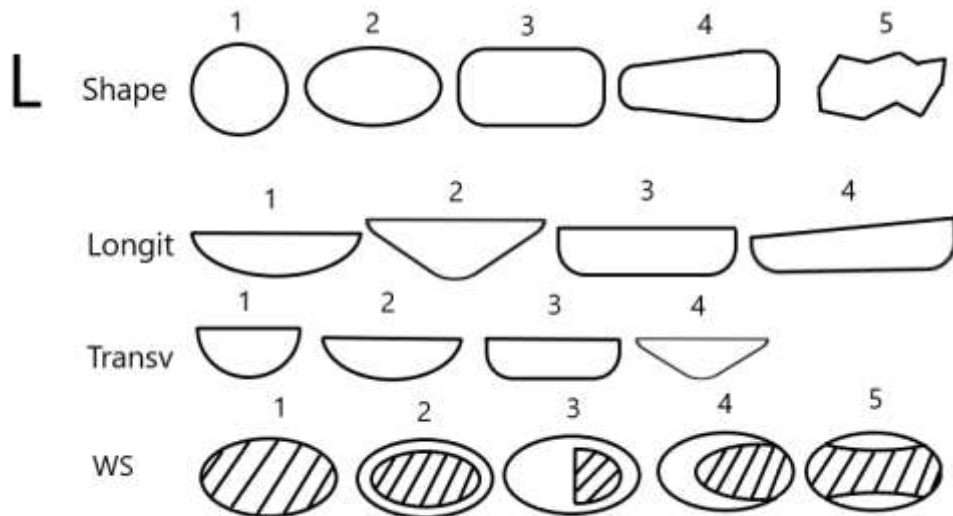
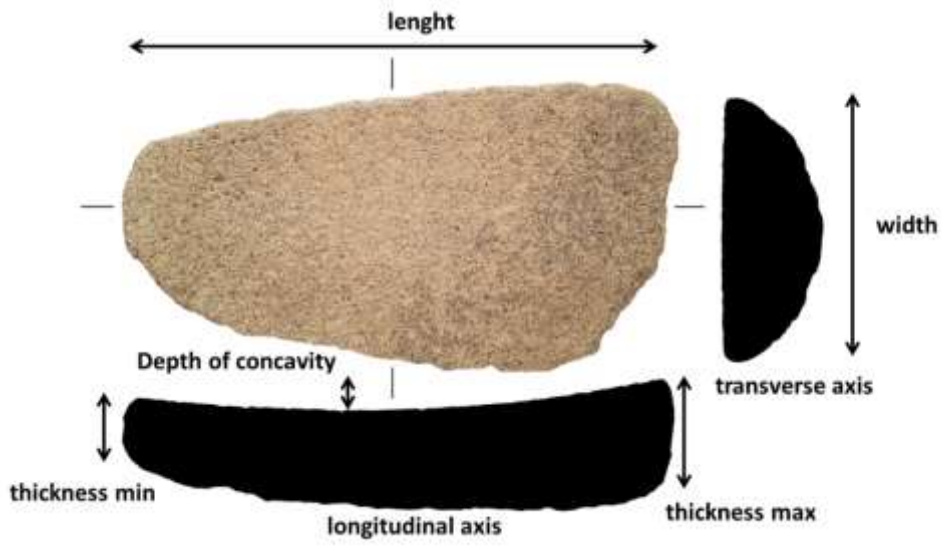


Fig. 3. The shapes of UGSs, types of ergonomic adjustments and extension of working surface.



**Fig. 4.** Location of measured dimensions.

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab	
1	81	551	4	4	grinding stone	lower	30 %	middle part			2	19,0	13,5	5,5		1 840	concave	concave	2			1	shortly used	1	
2	81	551	4	6	grinding stone			fragment				11,7	4,7	3,5		230	straight	straight							1
3	81	551	10	3	grinding stone	lower	20 %	fragment			1	15,5	14,0	9,0		3 080	concave	straight					used	1	
4	93	545	1	33	drilled disc		100 %	whole				24,5	23,0	4,2		3 147			4	60					2
5	93	545	5	1	grinding stone	upper	40 %	part of edge	2	1	2	14,0	16,5	6,2		2 480	straight	convex					unused	2	
6	93	545	40	1	grinding stone	upper	40 %	half	2	1	1	17,0	17,3	6,2		2 500	straight	convex							2
7	93	545	56	1	grinding stone		60 %	half	2	1	2	19,5	16,0	5,7		2 840	concave	convex	2				used	2	
8	93	545	66	1	grinding stone	upper	30 %	part of edge	2	1	1	17,0	13,5	7,0		2 400	straight	straight							2
9	93	545	90	1	grinding stone		60 %	half	2	1	2	16,0	16,5	6,3		2 780	straight	convex					used	2	
10	93	545	91	1	grinding stone	lower	20 %	part of edge	2		1	10,5	16,5	7,8		2 020	straight	convex				1	used	3	
11	93	545	97	1	grinding stone	upper	30 %	part of edge		3	2	11,7	17,5	6,0		1 860	straight	straight					shortly used	3	
12	93	545	101	1	grinding stone	lower	10 %	fragment			3	13,4	11,0	9,5		1 860	concave	straight	2						3
13	93	545	111	1	grinding stone	upper	20 %	part of edge		1	2	17,0	18,0	7,5		2 480	convex	convex					used	3	
14	93	545	168	1	grinding stone	upper	100 %	whole	2a	1	2	27,0	15,0	4,2		3 180	concave	convex					used	3	
15	93	545	178	1	grinding stone	upper	90 %	mostly whole	2	1	2	26,5	17,5	6,2		3 920	convex	convex					shortly used	4	
16	93	545	189	5	grinding stone	lower	20 %	middle part			2	10,0	18,0	5,5		2 020	straight	straight							4
17	93	545	219	6	grinding stone	upper	100 %	whole	2b	1	2	33,0	18,0	4,9		4 520	concave	straight	6			1			4
18	93	545	222	2	grinding stone	upper	5 %	fragment				13,0	5,7	6,5		410									4
19	93	545	232	5	grinding stone	upper	60 %	half	2	1	2	15,6	15,0	5,3		1 751	concave	straight	3				unused	4	
20	93	545	232	146	grinding stone	upper	30 %	part of edge	2	1	2	19,0	14,5	4,4		1 821	concave	convex	9				heavily used	4	
21	93	545	233	5	grinding stone		20 %	fragment			1	17,2	10,8	6,5		1 220	convex	straight					used	5	
22	93	545	249	8	grinding stone	upper	70 %	half	2	1	1	14,0	12,5	7,0		1 660	straight	straight							5
23	93	545	253	5	grinding stone	lower	20 %	fragment		3	3	13,5	13,0	5,9		1 940	straight	straight		25					5
24	93	545	291	317	grinding stone	upper	100 %	whole	2a	3	3	21,2	14,7	5,3		2 680	convex	straight					used	5	

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab
25	93	545	291	318	grinding stone	lower	20 %	middle part			2	31,0	16,5	10,5		6 120	concave	concave	25			1		5
26	93	545	298	5	grinding stone		10 %	fragment				12,5	7,5	4,7		644	straight	straight						6
27	93	545	330	6	grinding stone	lower	10 %	fragment			1	18,0	10,0	10,5	7,7	2 040	concave	concave				2		6
28	93	545	341	1	grinding stone	lower	40 %	part of edge	2	1	1	17,5	19,0	6,0		2 240	concave	straight	2			1	shortly used	6
29	93	545	352	1	drilled GS		25 %	fragment				10,3	6,5	5,9		468	straight	straight						6
30	95	555	3	1	drilled GS		40 %	half		1	2	17,0	9,5	6,1		1 320	straight	straight		53				7
31	95	555	7	1	grinding stone	lower	20 %	part of edge	2	1	2	14,0	20,5	7,4		2 380	straight	straight					used	7
32	95	555	12	1	grinding stone	lower	20 %	fragment				16,0	10,5	7,9		1 720	convex	straight					used	7
33	95	555	18	1	grinding stone	upper	40 %	part of edge	2	1	1	12,5	17,0	7,1		1 460	straight	straight						7
34	95	555	60	12	grinding stone	upper	15 %	fragment				12,5	7,0	6,2		520	straight	straight					used	7
35	95	555	63	10	grinding stone	upper	70 %	mostly whole	1	3	4	19,0	16,0	8,4	4,5	2 780	straight	straight					used	7
36	95	555	65	1	grinding stone	upper	70 %	mostly whole	2	1	2	20,0	12,5	4,0		1 640	straight	straight					used	8
37	95	555	104	1	grinding stone	upper	100 %	whole	3	1	3	27,5	16,2	7,1	4,9	4 640	straight	convex					shortly used	8
38	95	555	109	10	grinding stone		5 %	fragment				8,9	6,0	4,7		300							used	8
39	95	555	110	1	grinding stone	upper	70 %	mostly whole	2	1	1	17,0	17,2	5,8		2 640	straight	convex			2		used	8
40	95	555	111	1	grinding stone		60 %	half	3/4	4	3	22,0	20,0	7,0	6	4 400	straight	convex					used	8
41	95	555	127	1	grinding stone	upper	100 %	whole	2a	1	2	28,3	17,0	5,9		3 860	straight	convex					used	9
42	95	555	144	1	grinding stone		40 %	half	2	1	4	20,0	17,0	7,0		3 580	straight	convex						9
43	95	555	152	1	grinding stone	upper	30 %	part of edge	2	1	2	10,0	17,0	6,5		1 370	straight	convex						9
44	95	555	174	1	grinding stone	upper	30 %	part of edge	2	1	1	14,0	13,8	6,5		1 680	concave	convex	2		2			9
45	95	555	198	3	grinding stone	lower	40 %	fragment	5	4	3	28,0	33,0	16,0		11 420	concave	concave	20			2		10
46	95	555	215	242	grinding stone	upper	30 %	part of edge		1	1	7,1	13,3	5,8		67	straight	straight				1	used	10
47	95	555	220	1	grinding stone	upper	100 %	whole	1a	1	2	27,3	19,7	5,4		3 680	straight	convex				1	heavily used	10
48	95	555	251	1	grinding stone	lower	10 %	fragment				17,0	14,0	6,5		2 080	concave	concave	5			2		10



ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab
49	95	555	259	2	grinding stone			fragment				8,3	8,0	5,5		479	convex	convex					used	10
50	95	555	279	1	grinding stone	lower	30 %	part of edge	2	1	1	21,5	19,5	8,5		4 920	straight	convex				1		11
51	95	555	305	7	grinding stone	upper	70 %	middle part	2	1	1	17,8	17,0	6,6		3 500	straight	convex					used	11
52	97	541	2	20	grinding stone	upper	85 %	mostly whole	5	1	1	17,5	16,5	6,2		2 480	concave	straight	7					12
53	97	541	5	1	grinding stone	upper	100 %	whole	2d	1	1	31,5	16,5	5,7		4 460	concave	straight	10					12
54	97	541	12	1	grinding stone		40 %	half	3	3	3	16,3	17,0	7,5		2 980	straight	straight				1		12
55	97	541	19	1	grinding stone	upper	30 %	part of edge	2	1	2	13,2	17,7	5,6		1 600	straight	convex					used	12
56	97	541	41	1	drilled GS		50 %	half	2	3	2	10,0	16,0	6,0		1 210	straight	straight	27	57				13
57	97	541	57	1	grinding stone	upper	50 %	half	2	1	1	18,0	10,0	6,5		1 600	straight	straight					shortly used	13
58	97	541	69	1	hollowed GS	lower	20 %	fragment				13,5	11,5	7,2		2 300	straight	straight		40			used	13
59	97	541	71	1	drilled GS	upper	50 %	half	2	1	1	10,5	15,0	6,5		1 500	straight	straight	35	53				13
60	97	541	86	1	grinding stone	lower	30 %	fragment		1	2	18,2	14,0	6,3		2 280	straight	straight					used	13
61	97	541	90	1	grinding stone	upper	100 %	whole	1b	3	3	23,0	18,5	4,3		3 180	straight	convex				1	used	14
62	97	541	99	1	torus stone		100 %	whole				18,0	18,0	6,2		2 540			40	56				14
63	97	541	114	1	grinding stone	upper	20 %	part of edge		1	2	16,0	8,5	5,1		920	straight	straight						14
64	97	541	124	1	grinding stone	lower	30 %	part of edge		1	1	22,0	14,0	8,5		3 420	concave	concave	18			1	used	14
65	97	541	130	1	grinding stone	upper	100 %	whole	2a	1	2	30,5	17,5	5,0		4 160	straight	convex						14
66	97	541	132	1	grinding stone	upper	60 %	part of edge	3	3	2	17,2	20,0	5,9		2 740	concave	convex	4		1			15
67	97	541	134	1	hollowed GS	lower	40 %	part of edge	2	1	2	18,5	21,0	5,0		2 860	concave	concave	6	55		1		15
68	97	541	135	2	grinding stone	upper	50 %	half	2	1	3	12,5	9,4	3,3		590	concave	convex	2				used	15
69	97	541	136	1	grinding stone	lower	20 %	part of edge	2	1	2	22,0	16,0	6,2		3 360	concave	concave	9			1	heavily used	15
70	97	541	176	1	grinding stone	upper	20 %	fragment			2	10,7	18,5	5,5		1 640	convex	convex						15
71	97	541	179	1	grinding stone	upper	70 %	mostly whole	2	1	1	26,0	17,0	6,7		4 320	concave	convex	9			2	used	15
72	97	541	179	2	grinding stone	upper	30 %	part of edge		1	1	18,0	14,5	5,4		1 640	straight	convex						16

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab	
73	97	541	200	1	drilled GS	upper	50 %	half				14,0	9,5	5,6		1 000				42					16
74	97	541	209	1	grinding stone	lower	40 %	part of edge	2	3	3	21,0	11,5	7,5		3 860	straight	straight					unused	16	
75	97	541	212	281	grinding stone		10 %	fragment				9,5	9,0	6,5		720	straight	straight						16	
76	97	541	218	6	grinding stone	upper	60 %	half	2	1	1	21,0	17,5	6,5		2 940	concave	convex	5					16	
77	97	541	236	2	grinding stone	upper	20 %	middle part			2	8,0	16,0	3,6		840	straight	convex						16	
78	97	541	239	1	grinding stone	upper	30 %	part of edge			1	14,2	10,0	6,3		1 180	straight	convex					used	17	
79	97	541	245	1	grinding stone	lower	100 %	whole	3	1	1	45,0	24,0	10,0		19 800	straight	straight				1		17	
80	97	541	249	1	grinding stone		20 %	fragment				21,5	13,4	5,9		2 280	straight	straight				1		18	
81	97	541	250	1	grinding stone	upper	20 %	fragment				10,5	16,0	5,4		940	straight	convex						18	
82	97	541	253	1	grinding stone		10 %	fragment				13,2	7,6	6,5		1 040	straight	straight						18	
83	97	541	257	1	grinding stone	upper	20 %	part of edge		1		20,5	7,0	6,0		1 080	straight	straight						18	
84	97	541	267	1	grinding stone	upper	20 %	part of edge		1	2	7,5	13,5	4,9		740	straight	convex						18	
85	97	541	273	1	grinding stone	lower	10 %	fragment				14,0	11,0	5,5	5	1 180	concave	straight	4					-	
86	97	541	275	1	grinding stone	upper	50 %	half	2	1	2	16,5	15,3	5,3		2 040	straight	convex						18	
87	97	541	278	74	grinding stone	lower	20 %	fragment				19,0	6,0	8,8		1 400	straight	straight				1		19	
88	97	541	286	1	grinding stone	upper	100 %	whole	2d	1	1	22,5	16,5	6,5		2 820	convex	convex			5			19	
89	97	541	287	1	grinding stone	upper	90 %	mostly whole	2	1	2	24,5	16,0	5,7		3 040	concave	convex	2		3			19	
90	97	541	288	1	grinding stone	upper	100 %	whole	4a	1	4	36,0	16,5	6,5		4 480	concave	straight	8					19	
91	97	541	289	8	grinding stone	lower	20 %	part of edge			2	12,0	20,2	6,1		2 490	straight	convex				1		20	
92	97	541	289	103	grinding stone	upper	20 %	fragment				16,3	11,0	4,4		1 079	straight	straight					heavily used	20	
93	97	541	302	1	grinding stone		50 %	half		1	1	14,7	11,7	6,4		1 860	concave	straight	3					20	
94	97	541	307	1	grinding stone	upper	100 %	whole	4b	2	4	25,3	19,7	6,7		5 180	straight	convex						20	
95	97	541	308	1	grinding stone	lower	60 %	half	2	3	1	21,5	15,7	8,2		4 540	straight	straight						21	
96	97	541	315	1	grinding stone	lower	20 %	part of edge				17,0	16,0	7,5		3 220	straight	straight						21	

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab	
97	97	541	328	1	grinding stone	lower		fragment				13,0	11,0	8,3		1 640	straight	straight							21
98	97	541	331	1	drilled GS	upper	50 %	half	2	1	1	17,5	10,3	6,5		1 420	straight	straight		57					21
99	97	541	336	1	grinding stone	upper	30 %	half		1	2	18,5	17,2	5,8		2 525	concave	straight	11						21
100	97	541	339	11	grinding stone		10 %	fragment				10,0	8,0	4,5		484	concave	straight							21
101	97	541	350	1	grinding stone	lower	30 %	middle part				26,5	13,2	6,2	3,4	2 580	concave	straight	7						22
102	97	541	375	1	grinding stone	upper	90 %	mostly whole	4	2	4	25,0	20,5	6,7		4 320	convex	convex						used	22
103	97	541	396	1	grinding stone	lower	40 %	part of edge		1	2	17,2	21,8	5,5	3,8	2 840	concave	straight	2			1	heavily used	22	
104	97	541	410	1	grinding stone	lower	20 %	fragment		4		16,5	15,0	8,1	5	2 860	concave	concave	4			2	used	22	
105	97	541	413	1	grinding stone	upper	80 %	mostly whole	3	3	3	21,5	17,0	4,9		3 280	convex	convex				6		22	
106	97	541	421	1	grinding stone	upper	100 %	whole	3	3	1	26,0	15,0	4,6		3 540	straight	convex				1		23	
107	97	541	422	1	grinding stone	lower	30 %	fragment				22,0	14,5	6,0		2 340	straight	straight				2	heavily used	23	
108	97	541	501	11	grinding stone	lower	20 %	part of edge				28,5	12,5	6,5		2 720	concave		15			2		23	
109	97	541	501	66	grinding stone	lower	20 %	fragment				18,0	17,5	5,0		2 480	straight	straight				1		23	
110	97	541	503	7	drilled disc		100 %	whole				16,5	16,0	3,5		1 400				58			used	23	
111	97	541	509	1	grinding stone	upper	40 %	part of edge	2	1	1	14,3	12,6	6,4		1 980	concave	straight	2					23	
112	97	541	526	1	grinding stone			fragment				19,7	15,0	6,0		2 740	straight	straight						used	24
113	97	541	537	1	grinding stone	lower	100 %	whole	1	2	4	28,3	22,8	6,5		5 540	concave	straight	2			1	used	24	
114	97	541	538	1	grinding stone	upper	100 %	whole	2a	1	2	28,5	17,5	6,5		3 980	straight	convex						24	
115	97	541	542	1	grinding stone	lower	30 %	fragment	4	2	1	23,0	15,0	8,5		3 860	convex	convex				3	heavily used	25	
116	97	541	550	1	grinding stone	lower	40 %	fragment	2	1	1	22,5	16,5	9,5		4 180	straight	straight		56		1	used	25	
117	97	541	559	1	grinding stone		20 %	fragment		3	1	15,8	11,0	7,5		1 980	straight	straight						used	25
118	97	541	575	1	grinding stone	lower	100 %	whole	2	1	1	27,0	16,0	9,3		5 940	convex	straight						used	25
119	97	541	596	1	grinding stone	lower	40 %	part of edge	3	3	2	27,0	20,5	6,5		4 000	concave	concave	9			1	used	26	
120	97	541	656	1	grinding stone	upper	10 %	fragment				12,0	9,0	4,5		670	straight	straight						26	

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab
121	97	541	660	1	grinding stone			fragment				14,0	12,0	5,0		1 380	convex	convex						-
122	97	541	676	1	grinding stone	upper	20 %	part of edge			2	15,5	11,0	4,7		1 060	straight	straight						26
123	97	541	678	1	grinding stone	lower	100 %	whole	2	1	1	34,5	15,8	5,2		4 700	concave	straight	30		3			26
124	97	541	693	1	grinding stone			fragment				14,5	9,0	5,5		1 300	concave	straight	8					-
125	97	541	696	1	grinding stone	lower	10 %	fragment				11,5	9,0	5,4		780	concave	concave	3					27
126	97	541	697	1	grinding stone			fragment				18,6	13,0	6,3		2 120	concave	convex	2					-
127	97	541	726	1	grinding stone	lower	70 %	mostly whole	2	1	2	30,8	18,8	7,8		5 540	concave	convex	16					27
128	97	541	728	7	grinding stone			fragment				9,1	4,8	4,3		325							used	-
129	97	541	731	1	grinding stone			fragment				11,1	8,1	4,9		708								-
130	97	541	736	1	grinding stone	lower	20 %	part of edge	2	4	3	14,5	17,5	8,2		2 560	convex	convex					heavily used	27
131	97	541	742	1	grinding stone	upper	70 %	mostly whole	2	1	2	19,2	14,0	7,0		2 520	concave	straight	5				used	-
132	97	541	749	1	grinding stone	upper	90 %	mostly whole	2	1	3	24,5	16,5	5,0		2 760	straight	convex			4		used	27
133	97	541	750	1	grinding stone	upper	100 %	whole	2d	1	2	25,5	17,0	5,2		2 920	straight	convex						27
134	97	541	761	1	grinding stone	lower	20 %	fragment				22,0	16,5	9,4		5 340	concave	straight	4					28
135	98	531	3	2	socket stone		100 %	whole				22,0	21,0	6,5		4 040				6				29
136	98	531	3	126	grinding stone	upper	30 %	part of edge	2	3	3	20,0	15,0	5,6		2 560	convex	convex			1			29
137	98	531	6	11	grinding stone	upper	90 %	mostly whole	2	1	2	21,5	15,0	7,0		2 600	straight	straight						29
138	98	531	8	9	grinding stone	upper	80 %	mostly whole	1	1	2	15,0	16,5	5,0		1 640	straight	convex				1	used	29
139	98	531	10	3	grinding stone	upper	50 %	half	2	1	2	22,0	15,0	6,0		3 206	concave	convex				1	used	29
140	98	531	21	4	grinding stone	upper	30 %	part of edge	2	3	1	12,0	14,0	6,2		1 500	straight	convex					used	29
141	98	531	21	42	grinding stone	upper	50 %	half	2	1	2	20,5	16,5	5,8		2 324	straight	straight						30
142	98	531	36	8	grinding stone	upper	20 %	part of edge	2	1	1	16,0	12,0	8,0		1 640	straight	straight					used	30
143	98	531	37	5	grinding stone	upper	40 %	half	2	1	1	18,5	16,5	7,0		2 320	straight	straight			1			30
144	98	531	64	6	grinding stone	upper	60 %	half	2	1	1	21,0	14,5	7,4		3 120	straight	straight			4			30

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab	
145	98	531	78	20	grinding stone	upper	100 %	whole	2d	1	2	29,0	15,5	5,0		3 100	straight	straight					shortly used	30	
146	98	531	87	11	mortar	basin	30 %	part of edge	6	3	3	12,0	16,5	5,2	3,2	1 302	concave	concave	20	11					30
147	98	531	97	6	grinding stone	lower	70 %	mostly whole	2	3	3	23,0	20,0	5,2		4 089	straight	straight							31
148	99	526	1	20	grinding stone	upper	70 %	mostly whole	2	1	1	18,0	13,0	6,5		2 198	straight	straight			1	2	used		32
149	99	526	1	36	grinding stone	lower	90 %	mostly whole	2	1	1	29,0	18,5	13,0		12 500	straight	convex					unused		32
150	99	526	1	42	grinding stone	upper	30 %	middle part		1	2	13,0	18,0	4,5		1 397	straight	convex					used		32
151	99	526	12	10	grinding stone	upper	20 %	part of edge	2	1	2	17,5	9,5	3,6		860	convex	straight							32
152	99	526	24	4	grinding stone	upper	100 %	whole	2a	2	4	25,0	14,5	8,7	5,2	4 180	straight	straight							33
153	99	526	35	4	grinding stone		15 %	middle part			2	15,5	9,0	5,2		980	straight	straight							33
154	99	526	54	6	grinding stone	upper	100 %	whole	2a	1	2	27,5	15,5	5,0		2 820	convex	convex							33
155	99	526	54	7	grinding stone	upper	100 %	whole	2a	1	2	27,7	17,7	4,0		3 500	concave	convex	4		2	1	heavily used		33
156	99	526	63	1	grinding stone	lower	40 %	half	3	4	3	23,5	25,0	16,0	3,4	9 890	concave	straight	16						34
157	99	526	68	9	grinding stone	upper	100 %	whole	2b	1	1	35,0	15,0	5,1		3 900	concave	straight	6						34
158	99	526	68	10	grinding stone	lower	20 %	fragment				16,0	12,0	3,5		1 100	concave	straight	11				heavily used		34
159	99	526	68	13	grinding stone	upper	80 %	mostly whole	5	1	1	26,0	17,0	6,9		2 680	concave	straight	2			1			34
160	99	526	73	10	grinding stone	upper	70 %	half	2	1	2	25,0	17,0	5,5		3 000	concave	convex	2		1				35
161	99	526	73	18	grinding stone	upper	95 %	whole	2d	1	1	30,0	15,5	5,8		4 040	concave	straight	10				shortly used		35
162	99	526	73	19	grinding stone	upper	100 %	whole	2c	3	2	33,0	18,5	5,1		4 780	concave	convex	7		2				35
163	99	526	76	8	grinding stone	lower	30 %	part of edge		3	3	21,0	20,2	8,2		5 420	concave	concave	12			2			36
164	99	526	76	9	grinding stone		60 %	half	2	3	3	19,0	15,5	6,0		2 540	straight	convex							36
165	99	526	76	10	grinding stone	upper	70 %	half	2	1	1	18,5	18,0	6,4		2 680	straight	convex							36
166	99	526	76	12	grinding stone	upper	20 %	part of edge			2	9,0	12,9	5,4		680	straight	straight							36
167	99	526	110	1	grinding stone	upper	100 %	whole	2d	1	1	28,0	15,5	5,4		2 620	concave	convex	2		2	1			36
168	99	526	129	1	hollowed GS	lower	60 %	half	2	1	2	31,0	27,5	11,0	5,1	6 820	concave	concave	40	118		1			37

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab	
169	99	526	135	1	grinding stone	lower	30 %	middle part		1	2	18,0	16,5	5,5		3 340	straight	convex							37
170	99	526	152	1	grinding stone		30 %	part of edge	3	3	1	17,5	21,5	7,2		3 140	straight	straight					shortly used		37
171	99	526	153	1	grinding stone	upper	100 %	whole	2c	2	4	27,0	16,0	7,8		4 180	straight	straight							37
172	99	526	188	1	grinding stone	upper	40 %	part of edge	2	1	3	15,5	17,0	6,9		2 480	concave	straight	2			2	used		38
173	99	526	225	1	drilled GS	upper	20 %	part of edge		1	4	13,0	21,0	6,7		2 340	straight	convex		43					38
174	99	526	233	1	grinding stone	upper	20 %	part of edge			1	11,5	17,3	6,0		1 420	straight	straight				1			38
175	99	526	237	1	grinding stone			fragment				16,5	14,0	4,4		1 620	concave	concave	6						38
176	99	526	240	1	grinding stone	lower	20 %	part of edge		2	3	11,5	17,3	6,0		1 420	straight	straight							38
177	99	526	241	1	grinding stone	lower	30 %	fragment		1	2	17,3	11,0	6,2		1 600	concave	concave	20			2			38
178	99	526	333	1	grinding stone	upper	30 %	part of edge	2	1	1	9,2	14,0	5,8		980	straight	straight					used		39
179	99	526	337	1	grinding stone	upper	100 %	whole	2a	1	2	28,0	17,5	5,0		3 860	straight	straight					used		39
180	99	526	337	2	grinding stone	lower	10 %	fragment				16,0	11,0	5,2		1 186	concave	straight	4						39
181	99	526	370	1	grinding stone	upper	30 %	part of edge	2	1	4	11,0	16,0	7,1		1 240	straight	straight							39
182	99	526	373	1	mortar	lower	90 %	mostly whole				26,0	25,0	6,0		5 940	concave	concave	32	165					39
183	99	526	392	1	grinding stone	upper	30 %	fragment		1	2	13,0	12,0	5,3		1 220	convex	convex							39
184	99	526	412	1	grinding stone	lower	30 %	part of edge		3	3	19,8	19,0	7,0		4 200	straight	convex					used		40
185	99	526	515	4	grinding stone	lower	15 %	fragment				24,5	17,5	7,0		3 200	concave	concave	7				heavily used		40
186	99	526	609	7	grinding stone	upper	100 %	whole	2a	2	1	22,5	16,0	4,3		2 528	concave	straight	4				used		40
187	99	526	626	1	grinding stone	upper	100 %	whole	4a	3	3	33,5	19,0	5,5	4,9	4 880	straight	convex				3	2	used	40
188	99	526	661	1	grinding stone	lower	20 %	part of edge				12,0	19,0	10,2		2 942	straight	straight				1			41
189	99	526	694	1	grinding stone	upper	50 %	middle part	2	1	2	15,2	14,0	4,6		1 725	straight	convex							41
190	108	522	3	5	grinding stone	upper	15 %	fragment		1	3	15,5	8,0	5,2		939	straight	straight							42
191	108	522	8	5	grinding stone		10 %	fragment				11,5	10,5	5,9		780	straight	straight							42
192	108	522	11	6	grinding stone	lower	15 %	fragment				17,8	15,5	6,2		2 340	straight	straight					shortly used		42

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab	
193	108	522	18	7	grinding stone	upper	5 %	fragment				9,5	7,5	4,7		433	straight	straight							42
194	108	522	34	6	grinding stone	upper	30 %	part of edge			1	9,3	16,5	6,5		1 240	straight	straight							42
195	108	522	42	8	grinding stone	upper	70 %	mostly whole	2	1	3	12,0	9,7	3,1		540	straight	straight							42
196	108	522	47	1	drilled disc		95 %	mostly whole				28,5	24,5	5,0		5 660				30					43
197	108	522	53	3	grinding stone	upper	40 %	half		3	3	14,2	9,5	4,0		940	straight	straight						heavily used	43
198	108	522	60	5	grinding stone		20 %	fragment				15,0	10,5	4,7		1 220	convex	straight							43
199	108	522	72	5	grinding stone	lower	20 %	fragment			2	22,5	11,0	7,2		2 260	straight	straight				2	used	43	
200	108	522	73	5	grinding stone	upper	60 %	half	2	1	1	16,0	15,0	6,0		1 821	concave	straight	3				used	43	
201	109	523	3	4	grinding stone	upper	30 %	part of edge	2	1	1	17,5	15,0	5,2		2 090	concave	convex	5		2	2	used	44	
202	109	523	3	83	grinding stone	upper	100 %	whole	2c	1	2	27,5	17,0	5,8		3 691	straight	straight	2						44
203	109	523	4	7	grinding stone		5 %	fragment				8,7	7,3	3,7		200	straight	straight							44
204	109	523	4	10	drilled GS		50 %	half				18,0	10,5	6,6		1 540				61					44
205	109	523	4	424	grinding stone	upper	10 %	fragment				10,0	9,0	6,3		627	straight	straight							44
206	109	523	4	425	grinding stone	upper	20 %	part of edge				9,0	11,5	7,0		655	straight	convex					unused	45	
207	109	523	4	426	grinding stone	lower	20 %	fragment				12,0	7,5	6,9		952	straight	straight					unused	45	
208	109	523	4	427	grinding stone	lower	20 %	part of edge		1	2	8,0	19,0	6,5		1 153	concave	straight	3		1		unused	45	
209	109	523	4	429	grinding stone	upper	30 %	fragment		2	1	15,5	7,7	4,3		740	straight	straight							45
210	109	523	4	430	grinding stone	lower	5 %	fragment				15,0	10,0	5,0		1 145	straight	straight				1	used	45	
211	109	523	15	1	grinding stone	upper	100 %	whole	2a	1	2	30,7	21,0	7,1		6 240	straight	convex				1			45
212	109	523	16	1	grinding stone	upper	95 %	mostly whole	2	3	1	25,5	16,5	6,3		3 800	straight	convex					used	46	
213	109	523	17	1	grinding stone	lower	15 %	fragment			1	13,8	10,5	7,7		1 800	straight	straight					used	46	
214	109	523	18	1	grinding stone	upper	20 %	fragment		3	3	16,2	10,2	4,0		1 040	straight	straight					used	46	
215	109	523	19	1	grinding stone	upper	100 %	whole	2b	1	1	23,0	11,7	7,2		2 960	convex	convex							46
216	109	523	20	1	grinding stone	upper	20 %	part of edge		1	4	8,5	15,5	4,6		740	straight	straight					used	46	

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab
217	109	523	22	1	grinding stone	lower	40 %	half	3	3	2	26,0	27,5	10,0	5,9	9 680	concave	convex	22					47
218	109	523	24	1	grinding stone	lower	10 %	part of edge		1	2	23,0	10,0	6,0		1 900	convex	convex					used	47
219	109	523	26	1	grinding stone	lower	15 %	fragment		3	3	15,5	10,5	4,4		880	straight	straight						47
220	109	523	28	1	grinding stone	lower	30 %	part of edge				13,5	22,0	9,5	6	4 120	concave	concave	10				used	47
221	109	523	29	1	grinding stone	lower	10 %	fragment				15,0	8,5	11,0		1 928							unused	47
222	109	523	30	1	grinding stone	lower	30 %	part of edge		3	3	21,5	13,0	5,7		1 960	straight	straight					unused	48
223	109	523	34	1	grinding stone	lower	25 %	part of edge	3	1	2	19,5	24,0	7,9		5 380	concave	convex	10					48
224	109	523	35	1	drilled disc		100 %	whole				27,0	26,0	7,0		5 200				40				48
225	109	523	36	1	grinding stone		60 %	half	2	1	1	21,0	16,5	7,2		2 480	concave	convex	3				used	48
226	109	523	37	1	grinding stone	upper	25 %	part of edge		1	4	10,5	15,7	7,6		1 500	straight	straight					used	48
227	109	523	38	1	grinding stone	upper	80 %	mostly whole	1	1	1	15,5	15,5	6,7		2 300	convex	convex					used	49
228	109	523	40	1	grinding stone	upper	100 %	whole	2c	1	1	23,0	14,0	6,5		2 940	concave	straight	11				used	49
229	109	523	42	1	grinding stone	upper	85 %	mostly whole	2	1	2	28,0	19,5	7,9		6 720	straight	convex						49
230	109	523	43	1	grinding stone	upper	95 %	mostly whole	2	1	2	23,5	18,5	5,0		2 900	convex	convex					used	49
231	109	523	44	1	grinding stone	upper	30 %	part of edge	2	1	1	13,5	14,5	7,0		1 460	convex	convex					used	49
232	109	523	46	1	grinding stone		10 %	fragment				18,0	6,5	6,0		740							used	50
233	109	523	88	1	grinding stone	upper	100 %	whole	1b	1	2	10,0	8,0											-
234	109	523	92	1	grinding stone	upper	100 %	whole	2b	1	2	33,0	16,0	4,3		3 940	concave	straight	7				shortly used	50
235	109	523	101	1	grinding stone	upper	40 %	part of edge	2	1	1	19,5	16,0	8,0		3 080	straight	convex			2		used	50
236	109	523	103	1	grinding stone	upper	20 %	middle part				13,0	13,0	5,7		1 701							unused	50
237	109	523	112	1	grinding stone	upper	40 %	half	2	1	4	15,0	15,5	5,5		1 426	straight	straight						50
238	109	523	116	1	grinding stone		30 %	part of edge	2	1	2	9,7	19,5	7,0		1 940	straight	convex						50
239	109	523	117	1	grinding stone	upper	100 %	whole	1a	1	2	27,0	19,0	5,5		4 364	straight	straight		40	3			51
240	109	523	117	2	grinding stone	upper	70 %	middle part	2	1	1	16,5	17,5	6,1		2 936	straight	convex						51



ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab
241	109	523	117	3	grinding stone	upper	40 %	part of edge	2	1	1	20,0	16,0	6,1		2 455	concave	straight	2					51
242	109	523	132	1	grinding stone		60 %	half	2	1	3	19,0	19,0	6,3		3 220	straight	convex					unused	51
243	109	523	133	1	grinding stone	lower	30 %	part of edge		1	2	26,0	20,0	6,5		5 020	concave	concave	12			1		51
244	109	523	146	1	drilled GS	lower	40 %	half	2	1	1	19,0	21,0	8,9		3 960	straight	convex		49				52
245	109	523	152	1	grinding stone	upper	100 %	whole	4a	1	2	27,0	16,0	5,4		2 880	concave	convex	6	30	1			52
246	109	523	153	1	grinding stone	upper	20 %	fragment				11,7	10,2	5,0		940	straight	straight					used	52
247	109	523	158	1	grinding stone		60 %	half	2	1	2	18,5	20,0	6,3		3 600	convex	convex						52
248	109	523	159	1	grinding stone		20 %	fragment				21,0	11,0	7,5		1 822	concave	straight	2					52
249	109	523	160	1	grinding stone	lower	20 %	part of edge			1	14,5	25,0	11,0	7	4 680	straight	straight				2	used	53
250	109	523	167	1	grinding stone	lower	40 %	half	3	3	1	19,0	20,5	7,7		4 580	straight	straight						53
251	109	523	193	1	grinding stone	lower	20 %	part of edge	2	1	2	17,5	23,5	6,7		4 000	concave	straight	5				used	53
252	109	523	194	1	grinding stone	lower	20 %	fragment				14,0	11,0	6,6		1 700	concave	concave	4				used	53
253	109	523	260	8	torus stone		50 %					16,0	6,8	5,6		863				46				54
254	109	523	279	1	grinding stone	upper	95 %	whole	2b	1	2	32,5	16,5	5,1		3 622	straight	convex				1		54
255	109	523	280	1	grinding stone	upper	100 %	whole	2a	1	1	25,0	18,0	6,2		4 082	concave	straight	2		1	1		54
256	109	523	287	1	drilled GS		90 %	mostly whole				17,0	14,3	5,8		1 893	convex	straight	20	40				54
257	109	523	310	1	grinding stone	upper	100 %	whole	2b	1	1	34,0	18,5	7,5		6 680	straight	convex			2			54
258	109	523	311	1	grinding stone	upper	100 %	whole	4b	1	2	27,5	20,0	7,2		5 320	straight	convex			1			55
259	109	523	361	1	grinding stone	lower	60 %	half	2	3	1	30,0	17,5	10,8		9 180	straight	straight						55
260	109	523	364	1	grinding stone	upper	40 %	part of edge	2	1	2	6,0	7,0	6,0		2 220	straight	straight			1			55
261	109	523	365	1	grinding stone	lower	50 %	half	2	1	2	29,4	19,5	6,5		4 780	concave	convex	7					56
262	109	523	366	1	grinding stone	upper	100 %	whole	2c	1	1	26,4	17,0	5,6		3 540	straight	convex						56
263	109	523	372	1	grinding stone	upper	100 %	whole	1a	1	1	22,0	16,0	6,5		3 160	straight	straight			3			56
264	109	523	379	1	grinding stone	upper	20 %	part of edge	2	1	2	13,0	18,0	7,0		2 100	straight	straight						56

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab
265	109	523	380	1	grinding stone	upper	100 %	whole	2a	1	1	27,0	21,0	7,2		5 500	concave	straight	5				used	57
266	109	523	381	1	grinding stone	upper	100 %	whole	4b	1	2	24,0	17,0	6,0		2 820	straight	convex			2			57
267	109	523	383	1	grinding stone	lower	30 %	part of edge	2	3	3	13,8	19,0	3,5		1 560	straight	convex					used	57
268	109	523	400	1	grinding stone	lower	95 %	whole	2	1	2	38,0	18,7	10,0		5 620	concave	convex	26					57
269	109	523	401	1	grinding stone	upper	60 %	half	2	1	2	19,0	17,0	6,5		2 380	convex	straight			1			58
270	109	523	402	1	grinding stone	upper	100 %	whole	2b	1	2	27,2	17,5	6,0		3 400	concave	straight	3		1			58
271	109	523	405	1	grinding stone			fragment				26,0	13,0	7,7		4 180	concave	concave	2					58
272	109	523	406	1	grinding stone	lower	40 %	half	4	4	3	24,1	26,2	9,5		9 520	concave	straight	10					58
273	109	523	407	1	grinding stone	lower	70 %	mostly whole	2	3	3	26,0	18,2	4,8		3 960	concave	convex	5					59
274	109	523	408	1	grinding stone	lower	10 %	fragment				20,0	10,0	6,0		1 300								59
275	109	523	419	1	grinding stone	lower	40 %	half		1	1	19,0	14,8	7,0		3 260	concave	straight	3					59
276	109	523	430	1	grinding stone	lower	50 %	half	2	1	2	21,8	18,2	5,5		3 720	concave	convex	2				unused	59
277	109	523	445	1	grinding stone	upper	70 %	mostly whole	2	1	1	24,5	15,2	5,1		3 800	concave	straight	9					60
278	109	523	448	1	grinding stone	upper	100 %	whole	2d	1	1	27,5	17,2	7,7		4 420	concave	convex	12		1			60
279	109	523	451	1	grinding stone	upper	100 %	whole	2b	1	2	31,2	15,7	5,9		4 400	concave	convex	2					60
280	109	523	455	1	grinding stone	lower	80 %	mostly whole	2	1	2	33,0	17,0	7,0		5 540	concave	convex	15			3		61
281	109	523	456	1	grinding stone	upper	100 %	whole	4a	1	1	32,1	17,4	6,7		4 740	concave	straight	7		2			61
282	109	523	461	1	grinding stone	lower	70 %	mostly whole	2	3	2	28,6	21,1	4,8		4 180	concave	straight	2				used	61
283	109	523	478	1	grinding stone	upper	50 %	half	2	1	1	18,4	15,3	6,1		3 080	concave	convex	2					62
284	109	523	523	1	grinding stone	upper	30 %	part of edge	2	1	2	14,0	16,5	5,2		1 400	straight	straight			2			62
285	109	523	526	1	drilled disc		100 %	whole				17,0	17,0	5,5		1 660				50				62
286	109	523	531	1	torus stone		100 %	whole				14,5	14,5	4,7		1 320				38				62
287	109	523	532	1	grinding stone	upper	100 %	whole	2a	1	3	28,2	16,0	4,8		4 060	straight	convex					heavily used	62
288	109	523	541	1	grinding stone	upper	50 %	half	2	1	1	17,5	17,0	6,5		2 160	straight	straight						63

ID ML	AN	AE	CN	SN	Category	Type	DoW	Part	SF	SL	ST	L	W	ThA	ThI	M	LWS	TWS	DC	D	H	WS	U	Tab
289	109	523	545	1	grinding stone	upper	100 %	whole	4a	1	1	32,0	16,5	6,2		4 580	concave	straight	14			1		63
290	109	523	550	1	grinding stone	lower	80 %	mostly whole	2	1	2	30,0	16,7	5,2		3 360	concave	straight	9					63

## Kaymakçı catalogue

The artifacts are ordered according to EA, context numbers and sample numbers in ascending order. Almost all of them have a photo, and the profiles (cross section) were preferably made for diagnostic finds, so the fragments usually do not have the profile. The photos of UGSs were preferably taken in the position of function (the down side of UGS, this means the lower part of the image, was closer to the user during grinding).

Content:

81.551 = table 1, page 21

93.545 = table 2–6, page 22–26

95.555 = table 7–11, page 27–31

97.541 = table 12–28, page 32–48

98.531 = table 29–31, page 49–51

99.526 = table 32–41, page 52–61

108.522/109.523 = table 42–63, page 62–83

**1**

81.551.4.4

**2**

81.551.4.6



**3**

81.551.10.3



Tab. 1

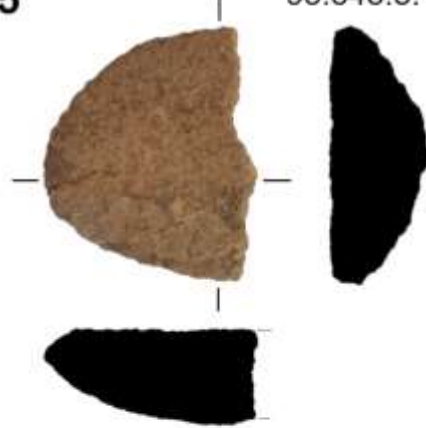
4

93.545.1.33



5

93.545.5.1



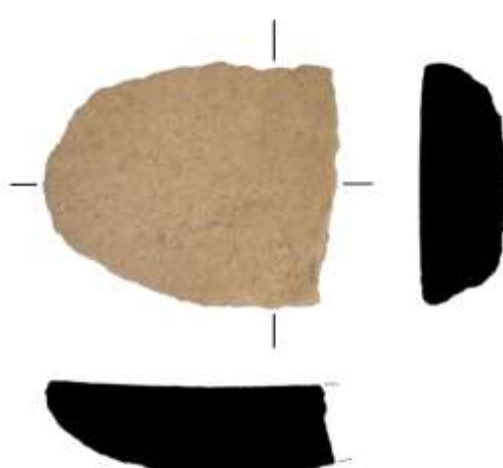
6

93.545.40.1



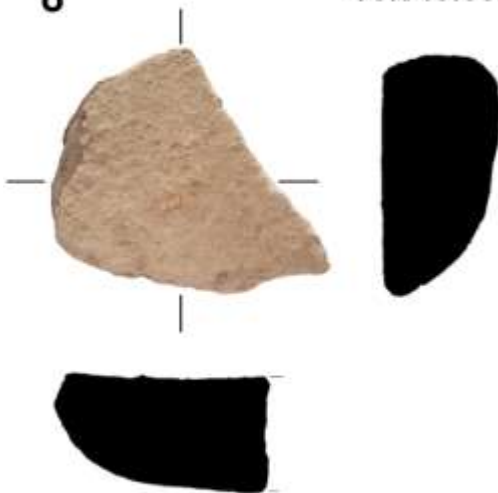
7

93.545.56.1



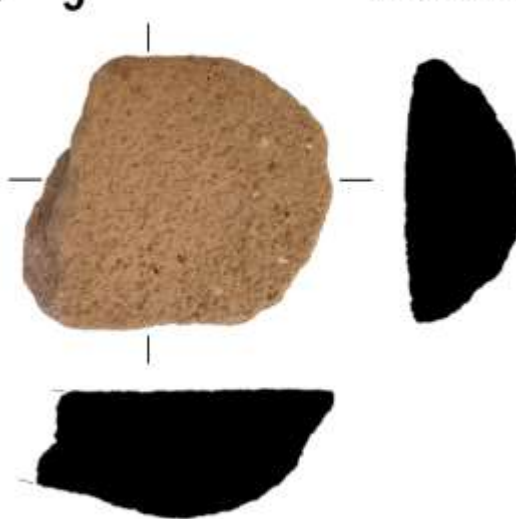
8

93.545.66.1



9

93.545.90.1



Tab. 2

10

93.545.91.1

11

93.545.97.1



12

93.545.101.1

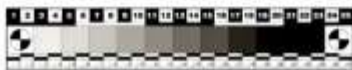
13

93.545.111.1

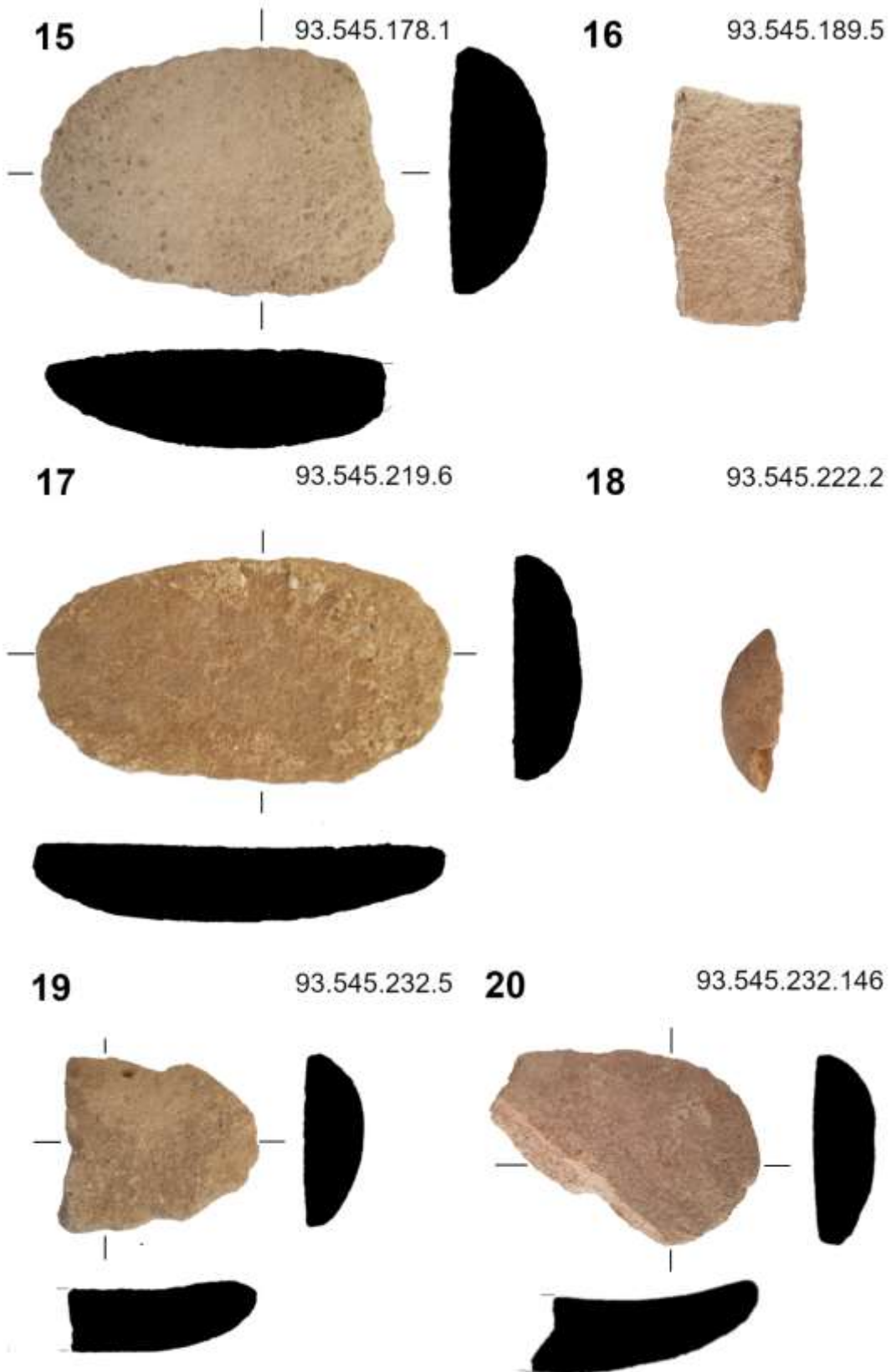


14

93.545.168.1



Tab. 3



Tab. 4

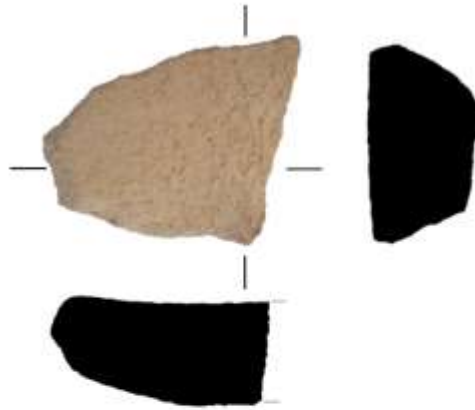


21

93.545.233.5

22

93.545.249.8



23

93.545.253.5

24

93.545.291.317



25

93.545.291.318



Tab. 5

26

93.545.298.5

27

93.545.330.6

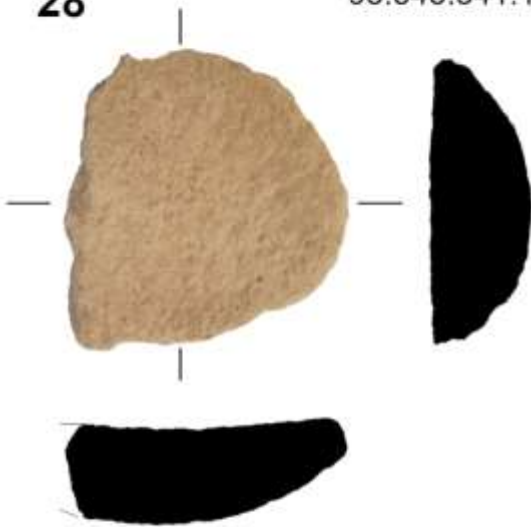


28

93.545.341.1

29

93.545.352.1



Tab. 6

30

95.555.3.1



31

95.555.7.1



32

95.555.12.1



33

95.555.18.1



34

95.555.60.12



35

95.555.63.10



Tab. 7

36

95.555.65.1

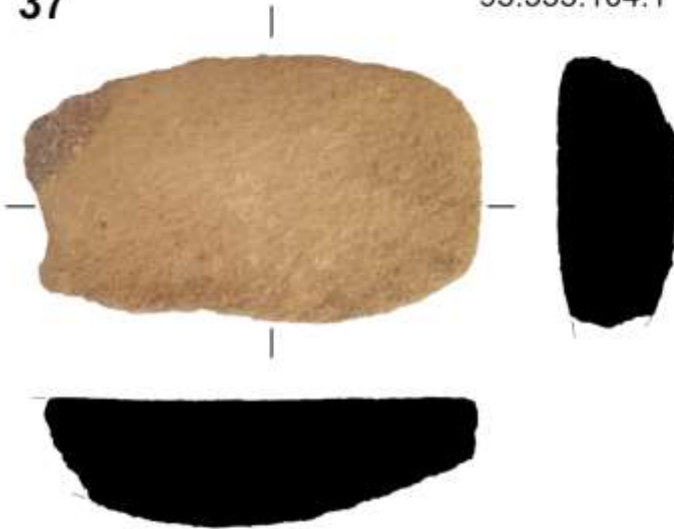


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95.555.104.1

38

95.555.109.10

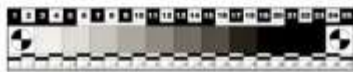
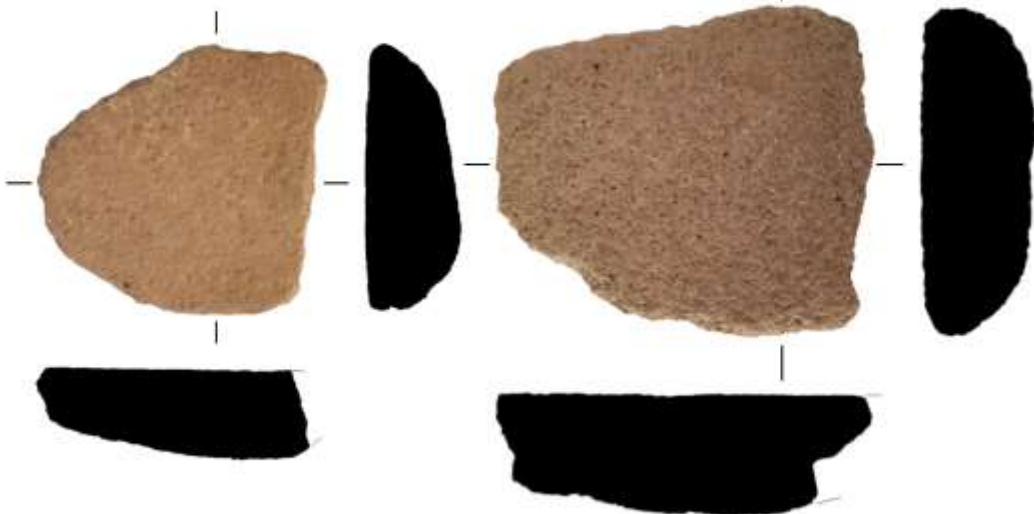


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95.555.110.1

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95.555.111.1



Tab. 8

41

95.555.127.1

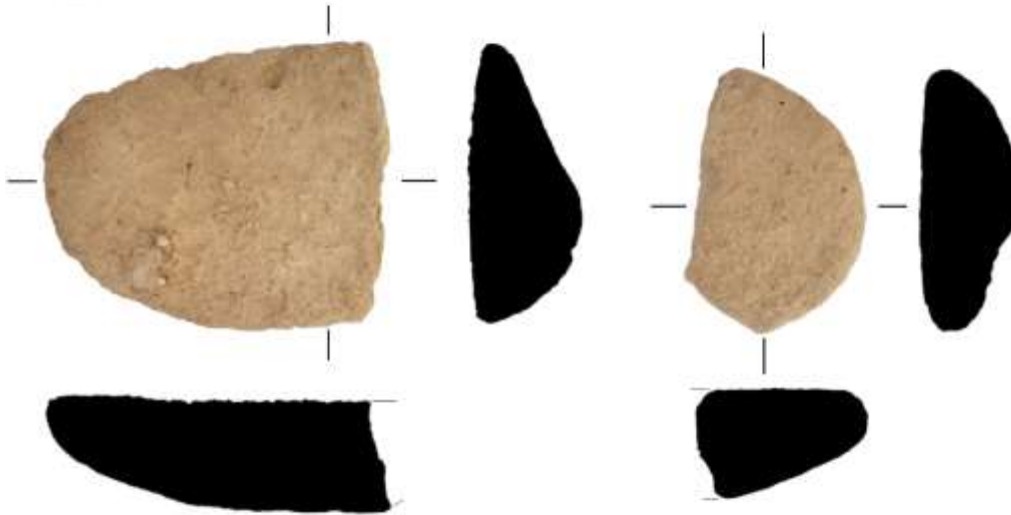


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95.555.144.1

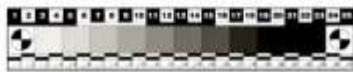
43

95.555.152.1



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95.555.174.1



Tab. 9

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95.555.198.3

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95.555.215.242



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95.555.220.1

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95.555.251.1



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95.555.259.2



Tab. 10

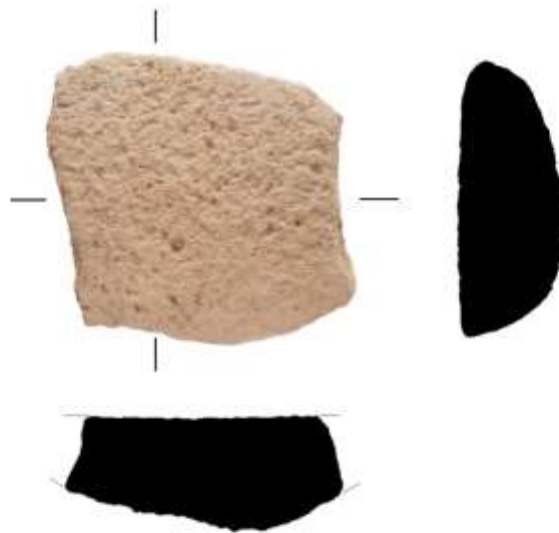
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95.555.279.1



51

95.555.305.7



Tab. 11

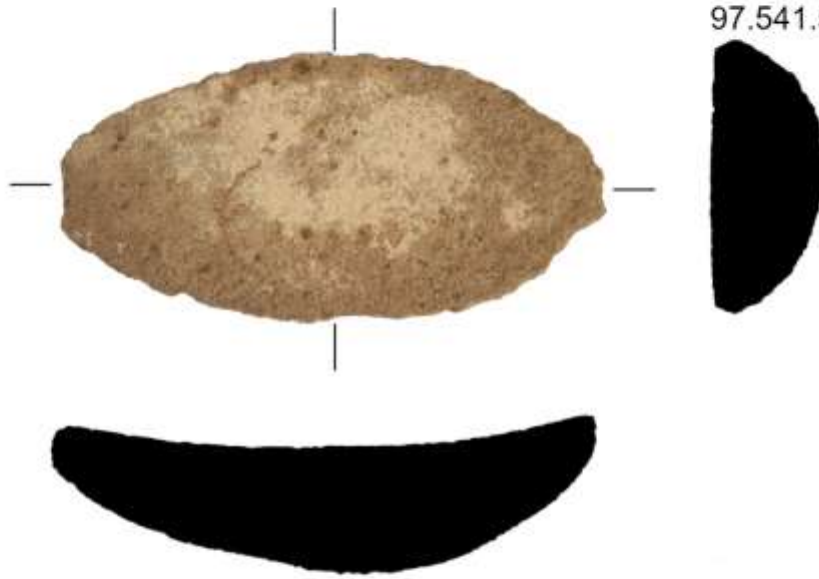
52

97.541.2.20



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97.541.5.1

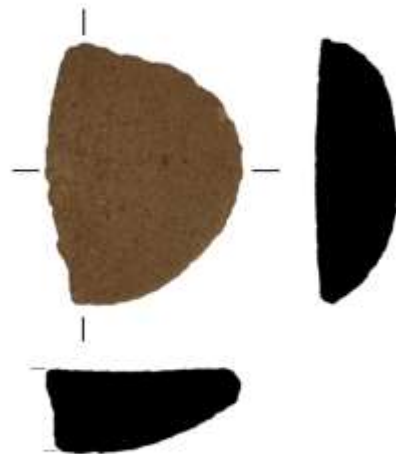


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97.541.12.1

55

97.541.19.1



Tab. 12



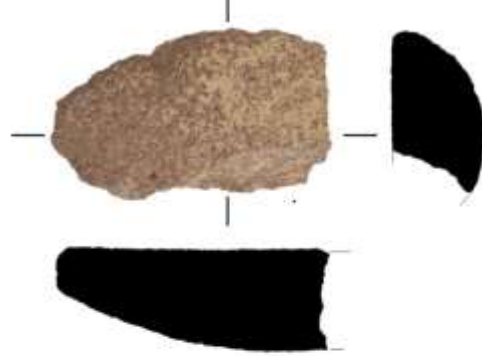
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97.541.41.1



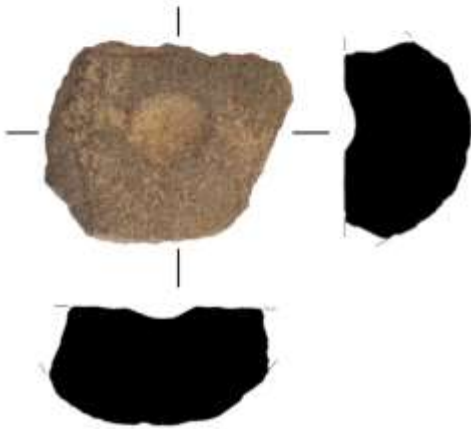
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97.541.57.1



58

97.541.69.1



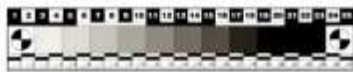
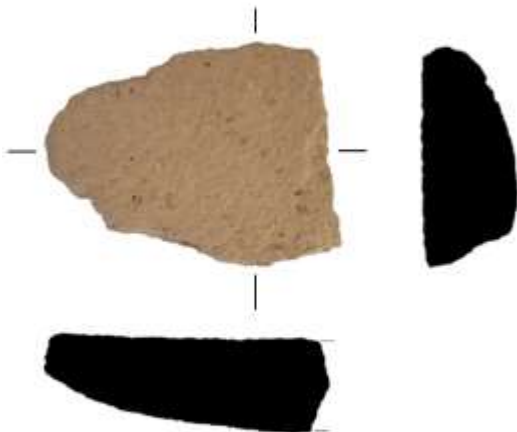
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97.541.71.1



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97.541.86.1



Tab. 13

61

97.541.90.1

62

97.541.99.1



63

97.541.114.1

64

97.541.124.1



65

97.541.130.1



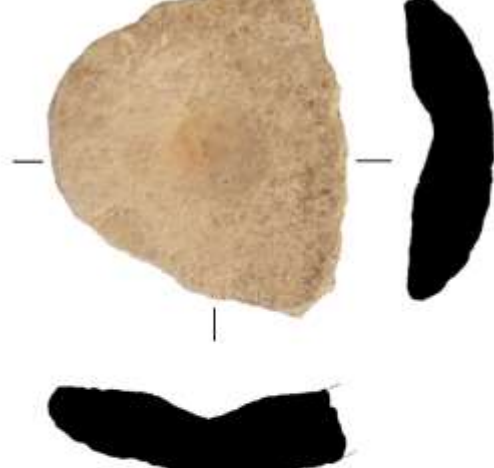
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97.541.132.1

67

97.541.134.1

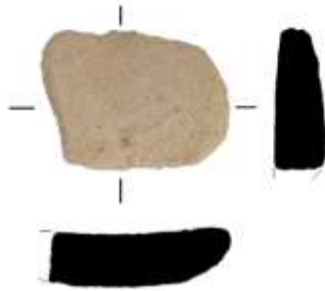


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97.541.135.2

69

97.541.136.1

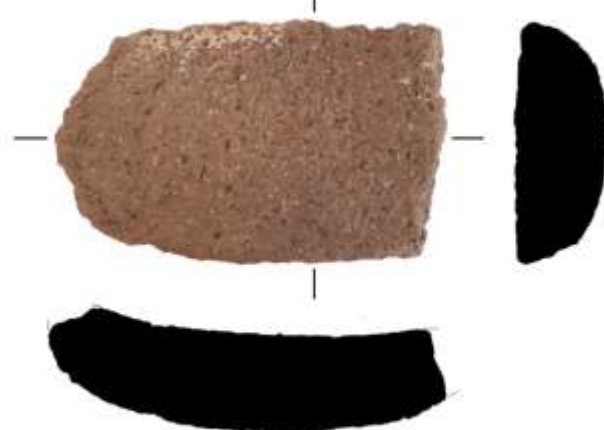


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97.541.179.1



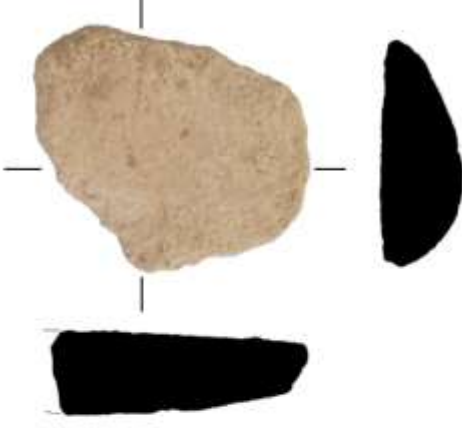
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97.541.179.2

73

97.541.200.1

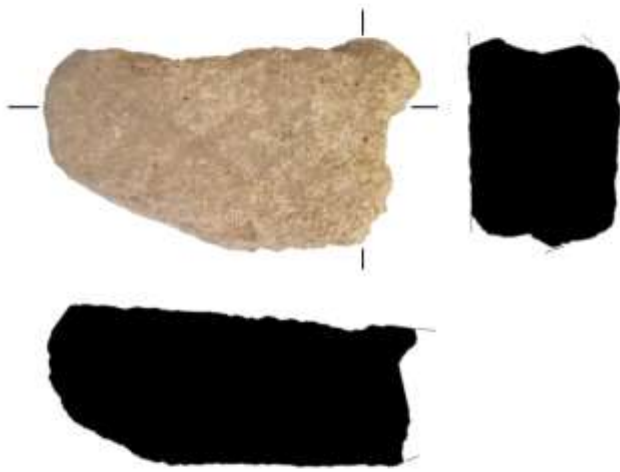


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97.541.209.1

75

97.541.212.281

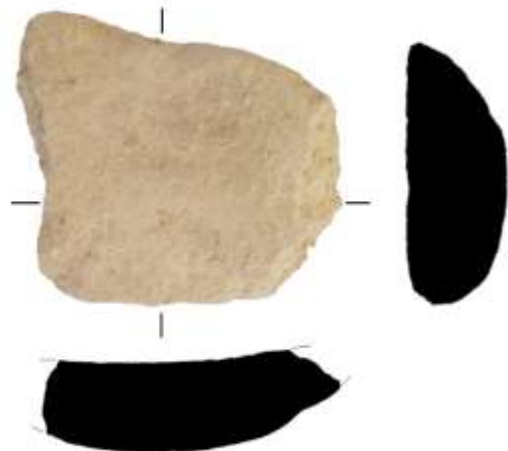


76

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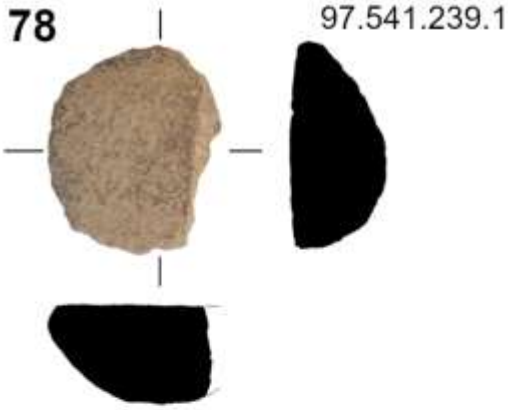
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97.541.236.2



Tab. 16

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97.541.239.1

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97.541.245.1



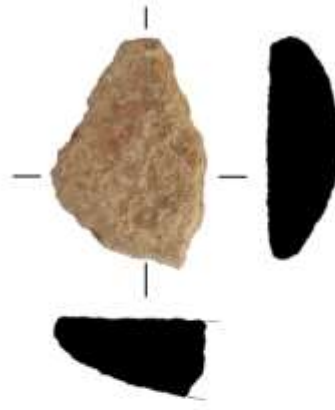
Tab. 17

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97.541.249.1

81

97.541.250.1



82

97.541.253.1

83

97.541.257.1

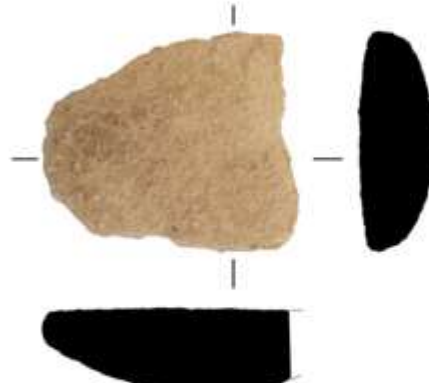


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97.541.267.1

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97.541.275.1

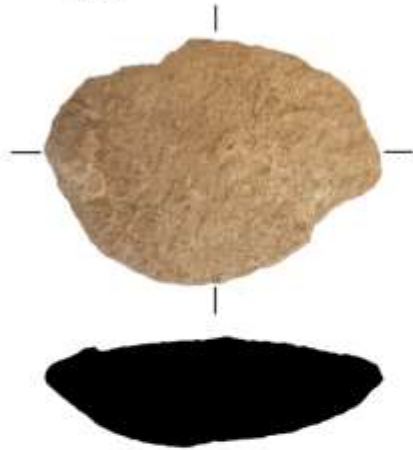


Tab. 18

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97.541.278.74 89



97.541.286.1



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97.541.287.1



91



97.541.288.1



Tab. 19

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97.541.289.8

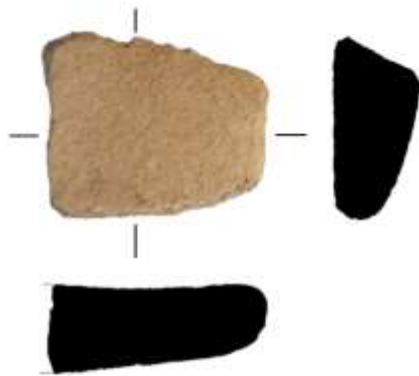
92

97.541.289.103



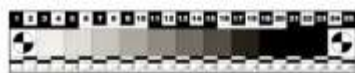
93

97.541.302.1



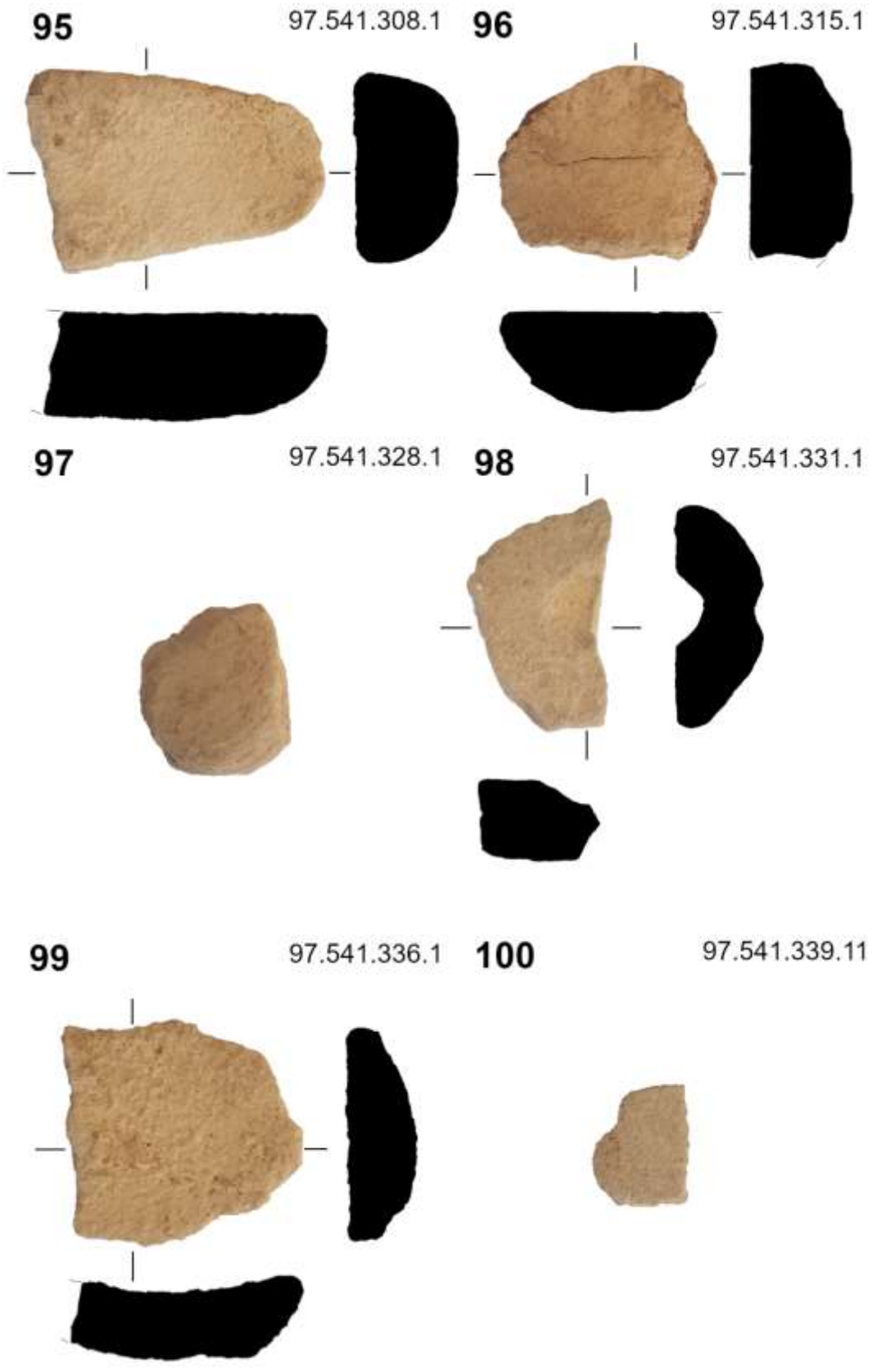
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97.541.307.1



Tab. 20





Tab. 21

101



97.541.350.1

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97.541.375.1



103

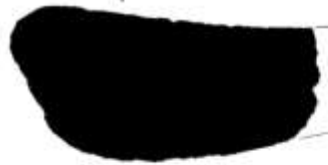


97.541.396.1

104



97.541.410.1



105



97.541.413.1



Tab. 22

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97.541.421.1

107

97.541.422.1



108

97.541.501.11

109

97.541.501.66

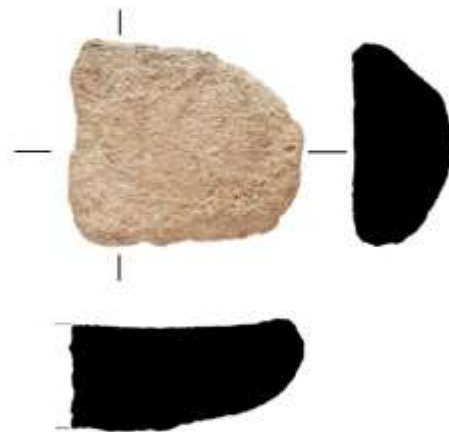


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97.541.503.7

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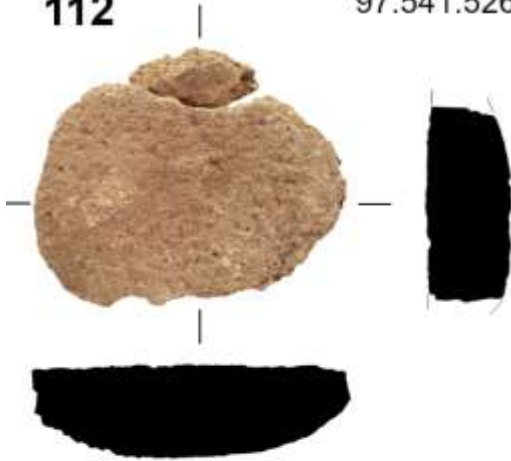
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Tab. 23

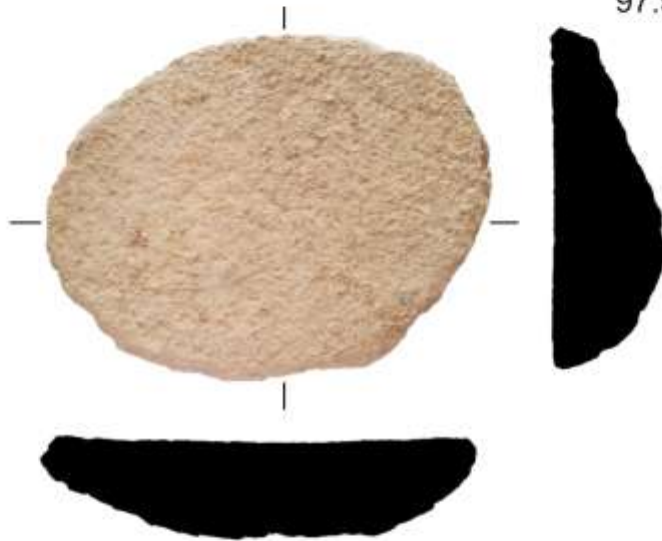
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97.541.526.1



113

97.541.537.1



114

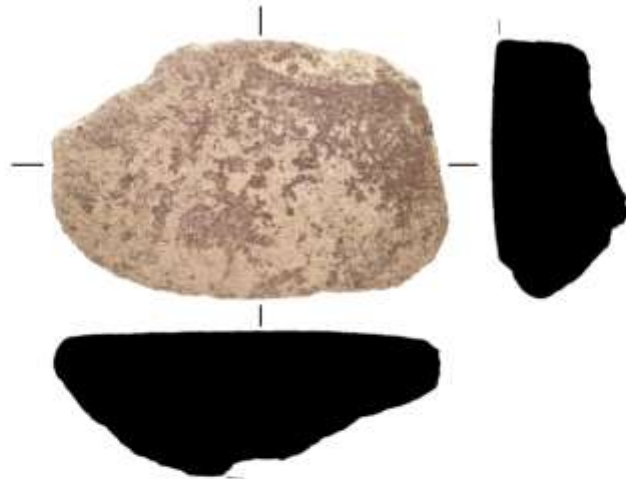
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Tab. 24

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97.541.542.1



116

97.541.550.1

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97.541.559.1



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97.541.575.1



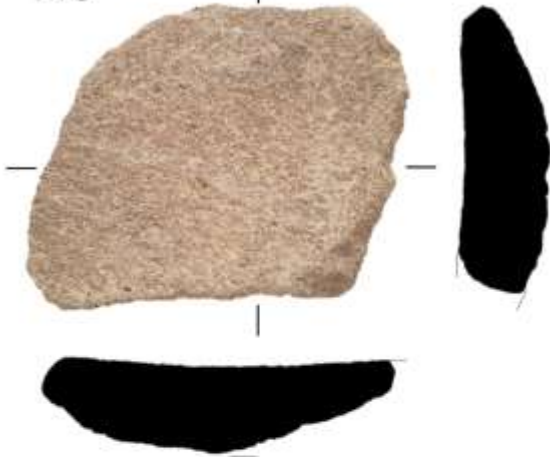
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97.541.596.1

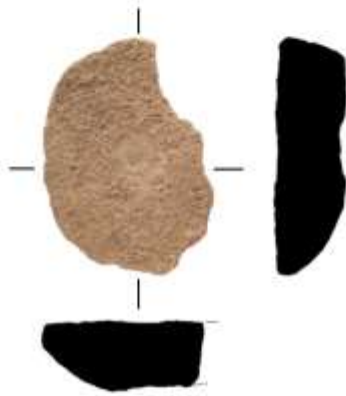
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97.541.656.1



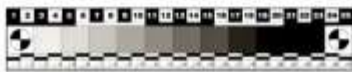
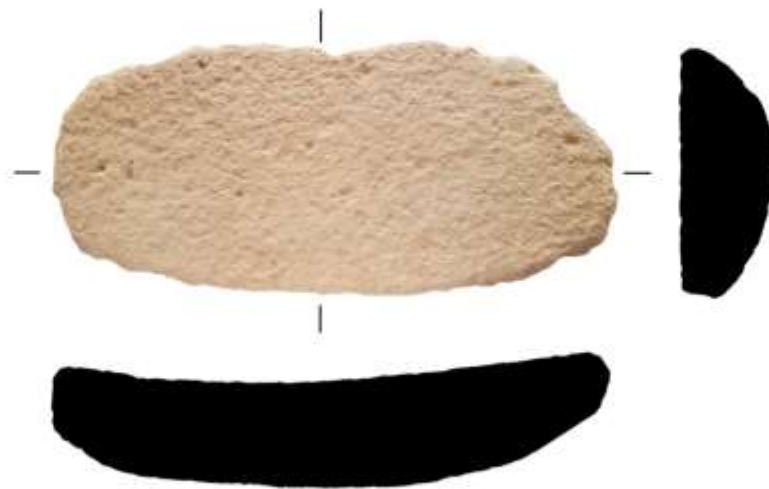
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97.541.676.1

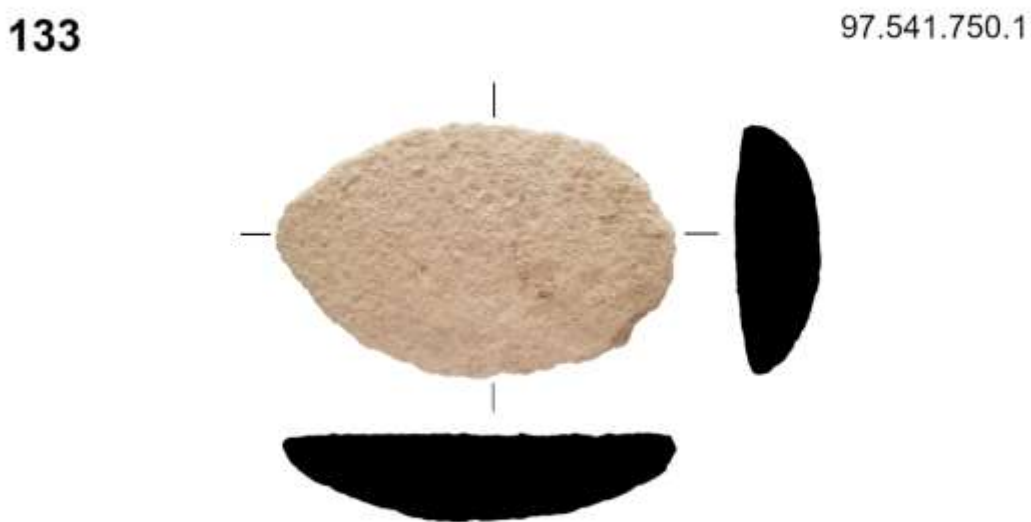
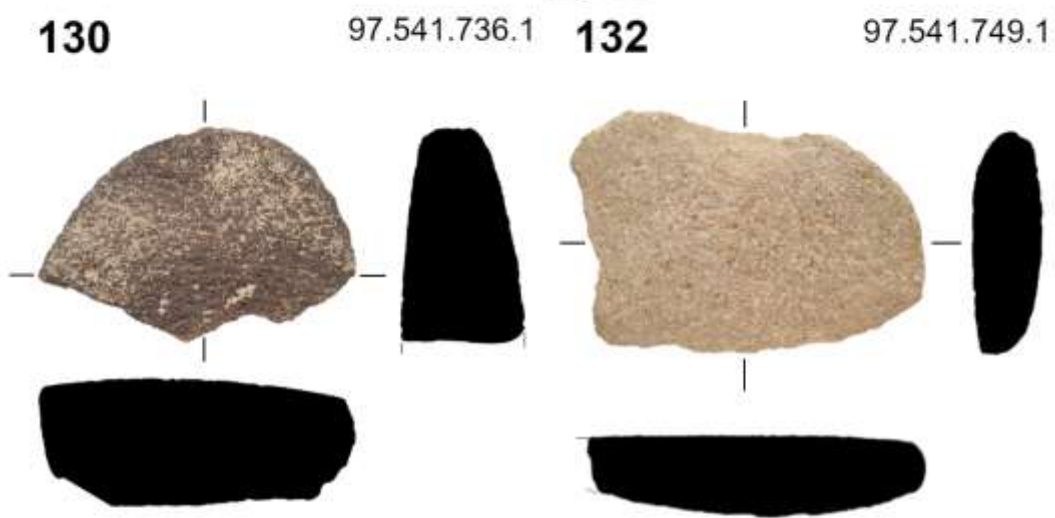


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97.541.678.1

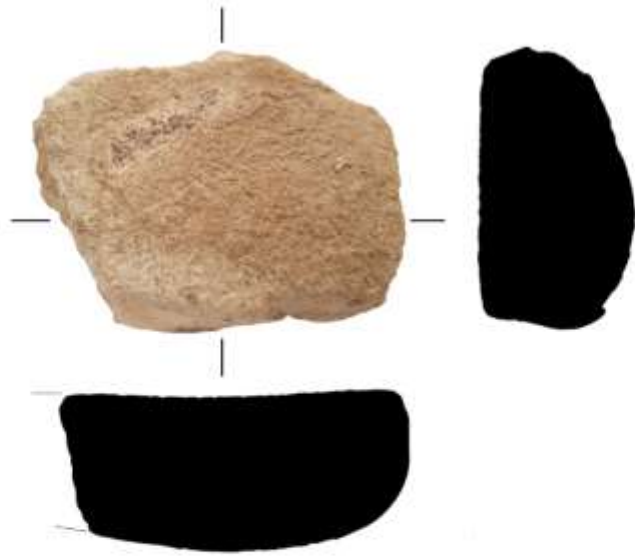


Tab. 26



Tab. 27

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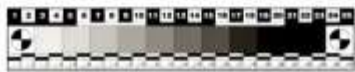
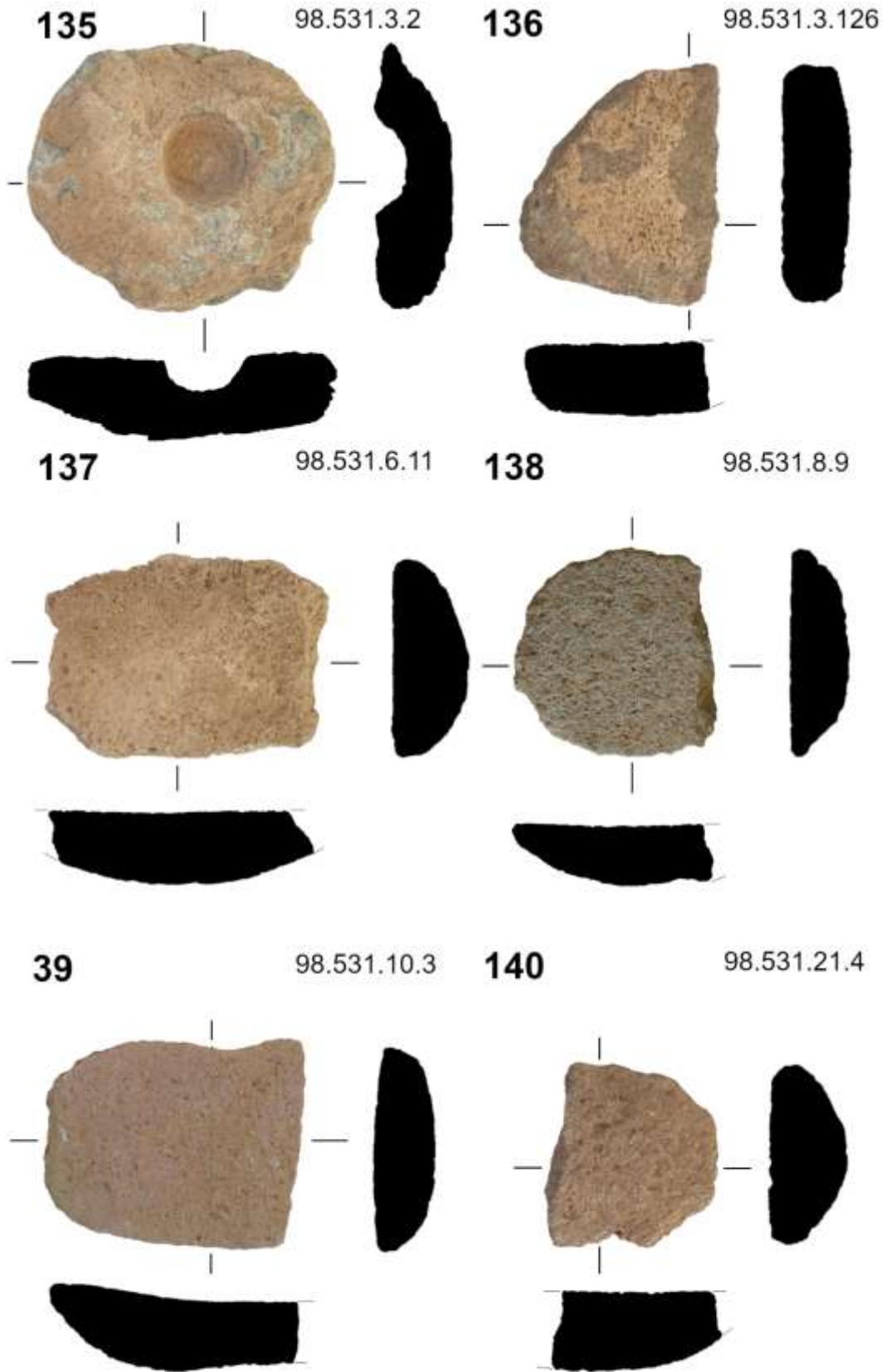


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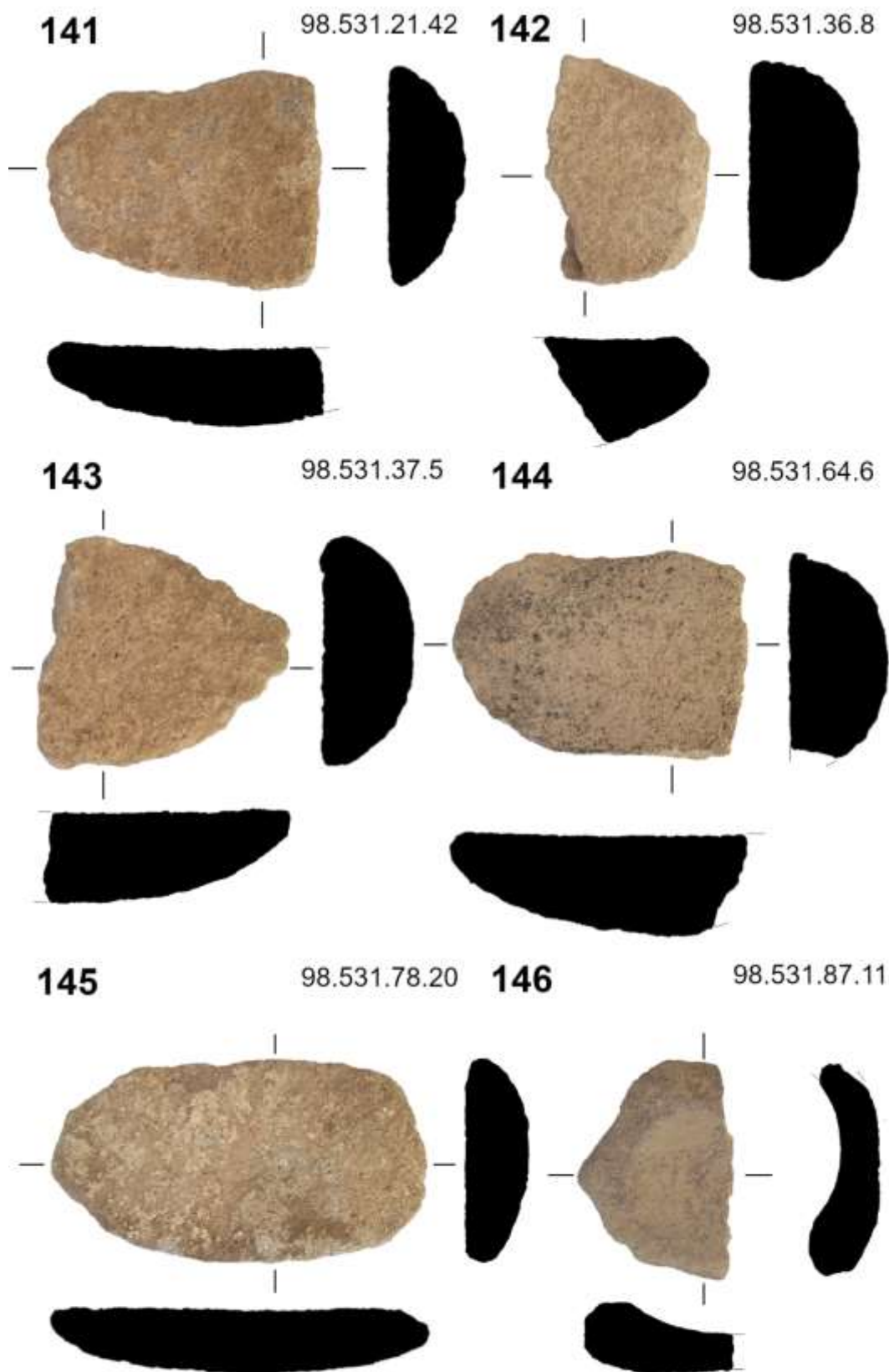


Tab. 28





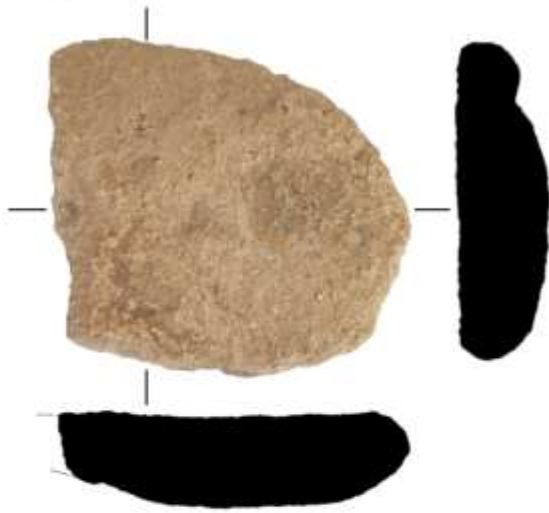
Tab. 29



Tab. 30

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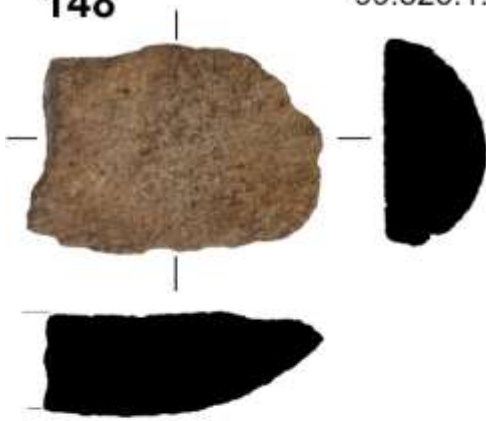
98.531.97.6



Tab. 31

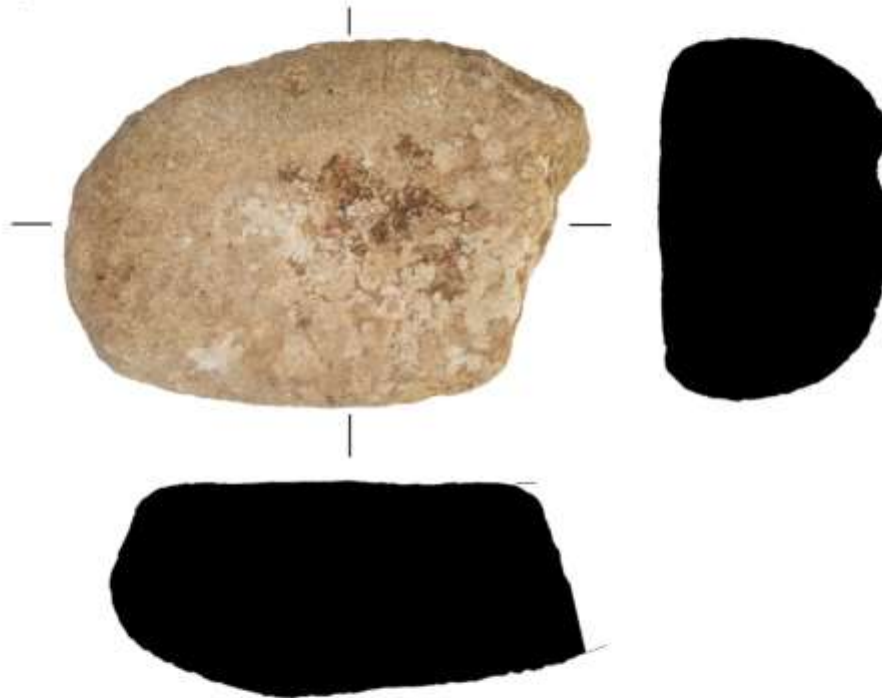
148

99.526.1.20



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99.526.1.36



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99.526.1.42



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99.526.12.10



Tab. 32

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99.526.24.4

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99.526.35.4



154

99.526.54.6



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99.526.54.7



Tab. 33

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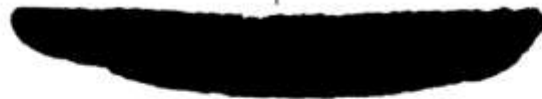
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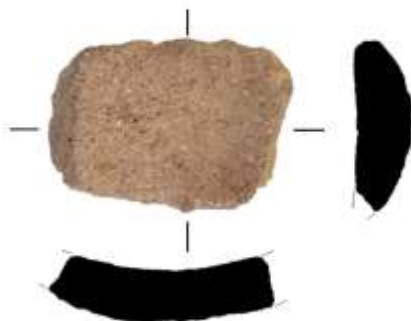


99.526.68.9



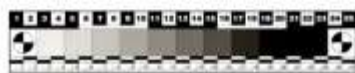
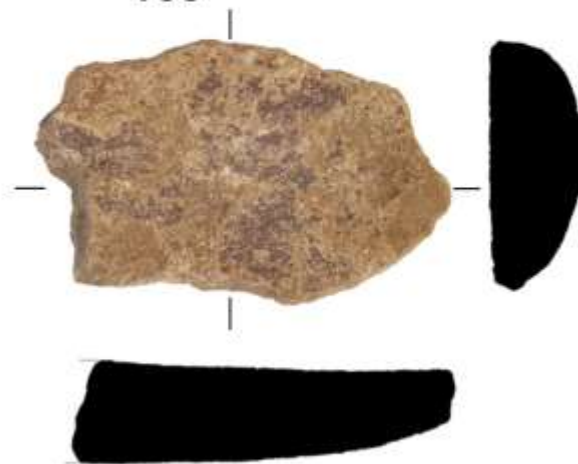
158

99.526.68.10



159

99.526.68.13



Tab. 34

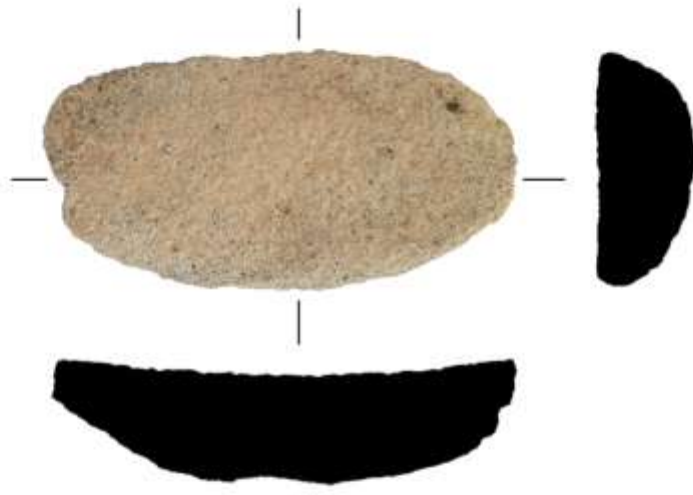
160

99.526.73.10



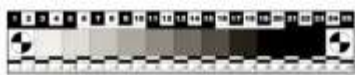
161

99.526.73.18

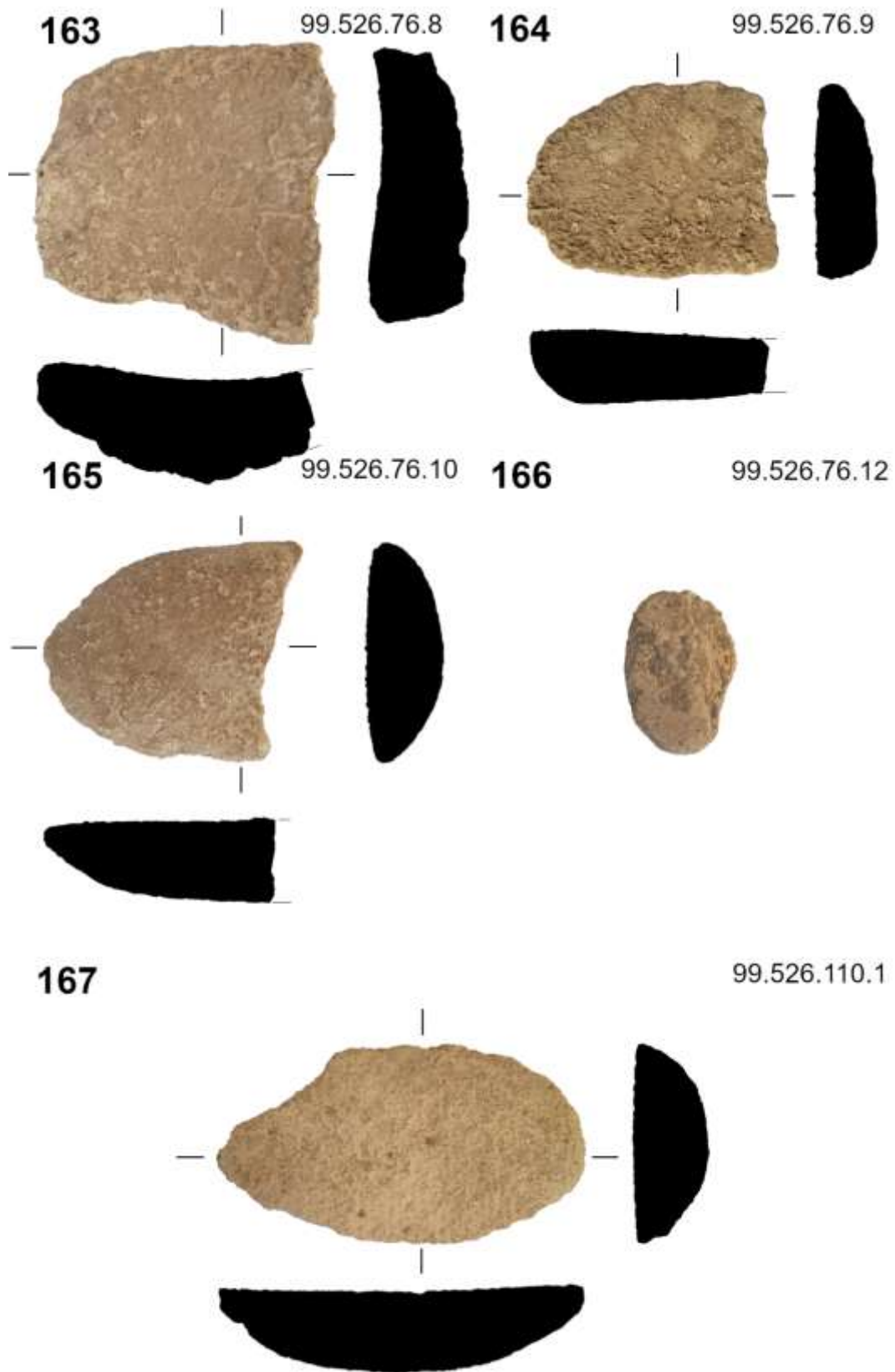


162

99.526.73.19



Tab. 35



Tab. 36



168



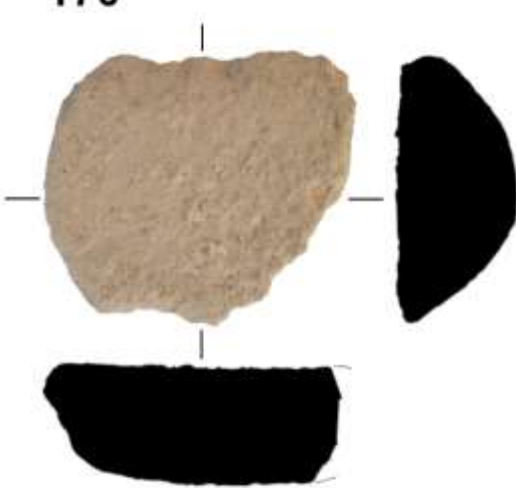
99.526.129.1

169



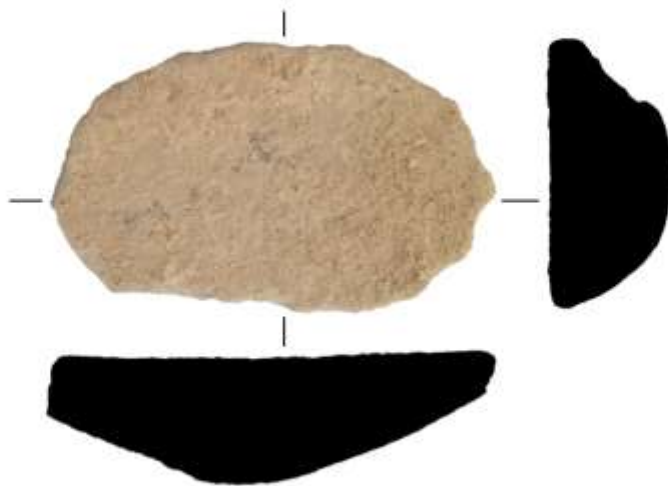
99.526.135.1

170



99.526.152.1

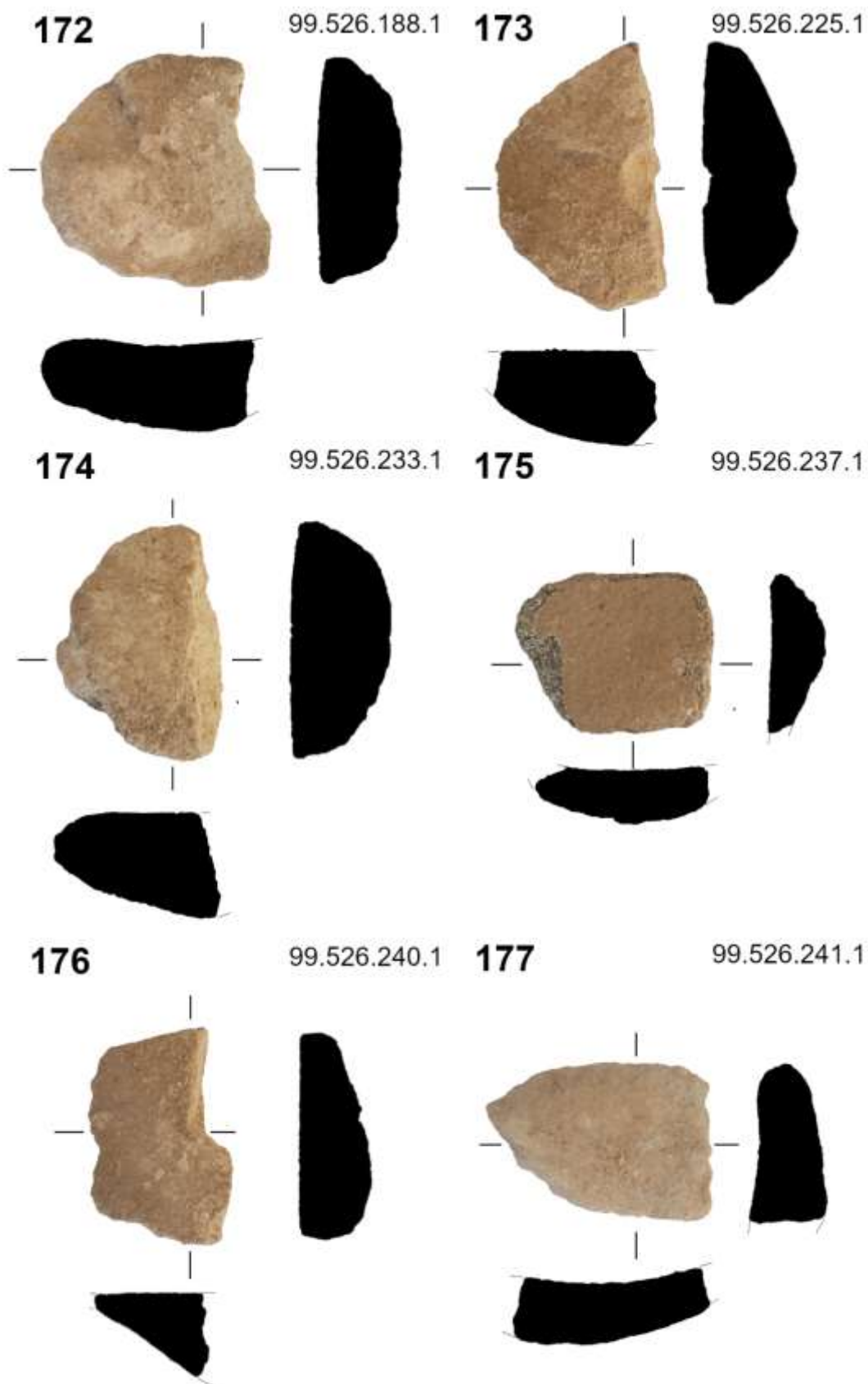
171



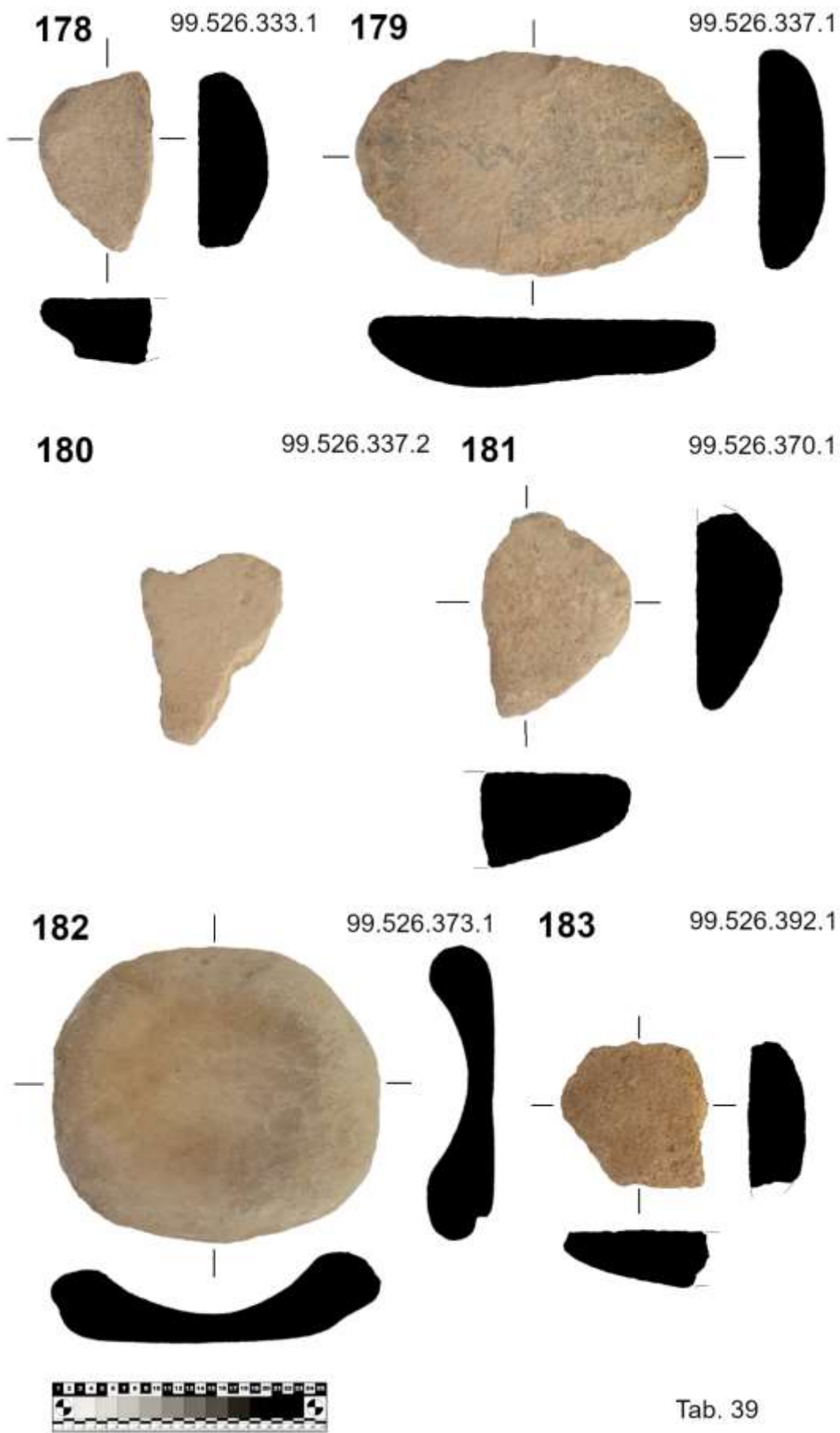
99.526.153.1



Tab. 37



Tab. 38



184



99.526.412.1

185



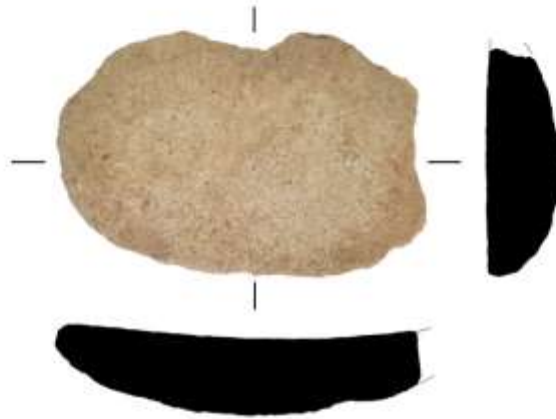
99.526.515.4



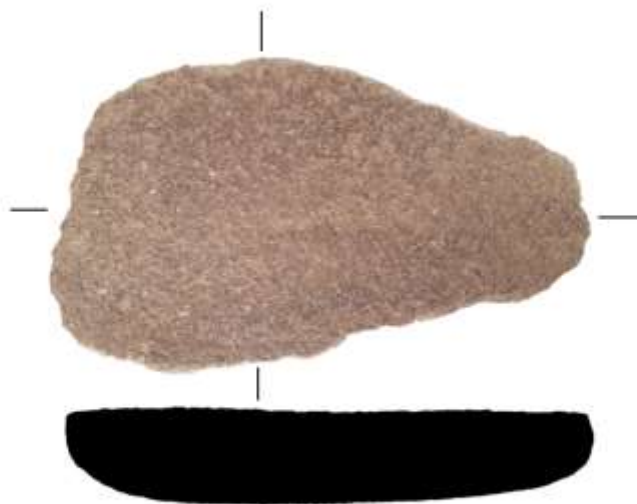
186



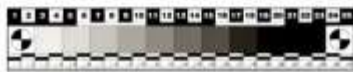
99.526.609.1



187



99.526.626.1



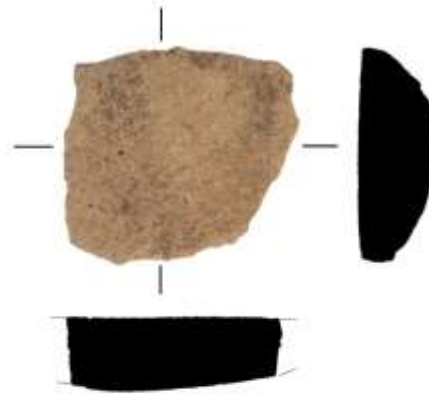
Tab. 40

188



99.526.661.1

189



99.526.694.1



Tab. 41

190

108.522.3.5

191

108.522.8.5

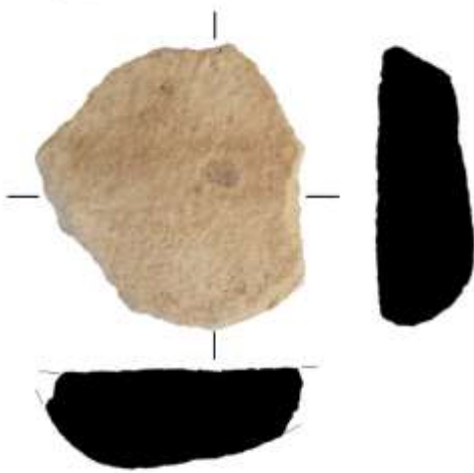


192

108.522.11.6

193

108.522.18.7

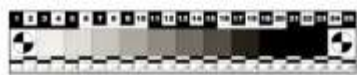
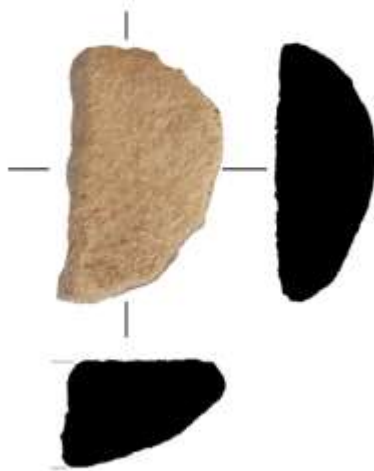


194

108.522.34.6

195

108.522.42.8



Tab. 42

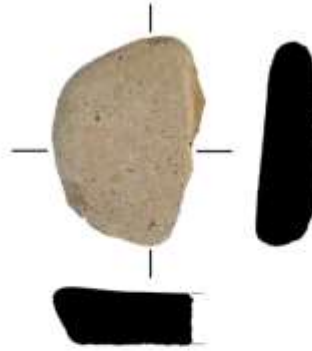
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108.522.47.1



197

108.522.53.3



198

108.522.60.5



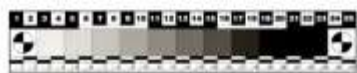
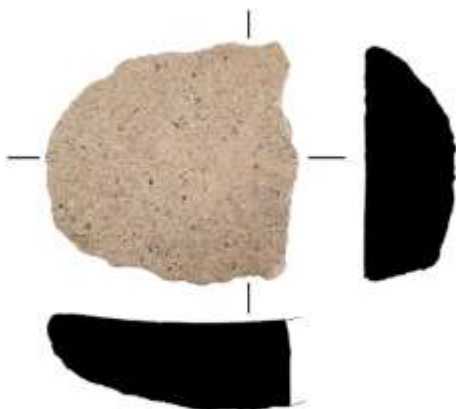
199

108.522.72.5



200

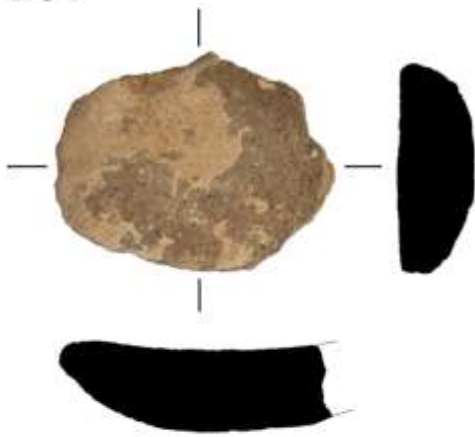
108.522.73.5



Tab. 43

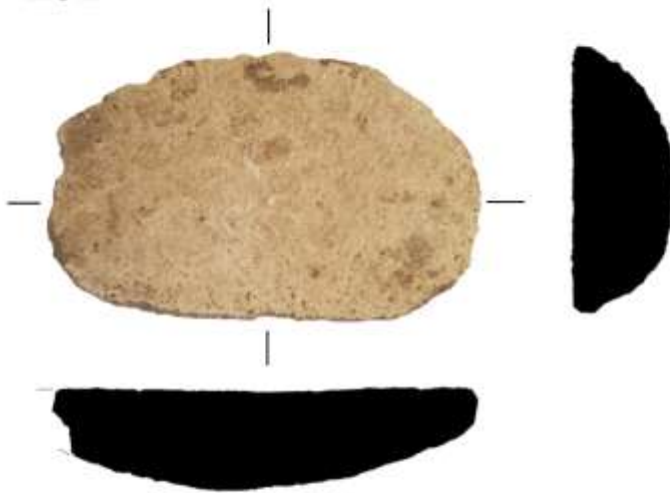
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109.523.3.4



202

109.523.3.83



203

109.523.4.7

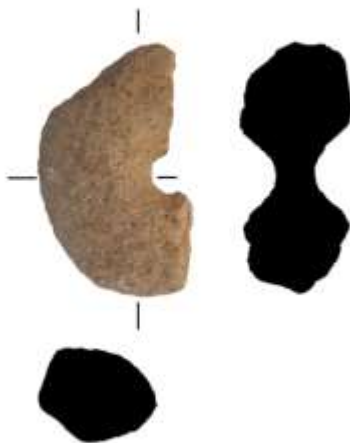


204

109.523.4.10

205

109.523.4.424



Tab. 44



206

109.523.4.425 207

109.523.4.426



208

109.523.4.427 209

109.523.4.429



210

109.523.4.430

211

109.523.15.1



Tab. 45

212



109.523.16.1

213



109.523.17.1



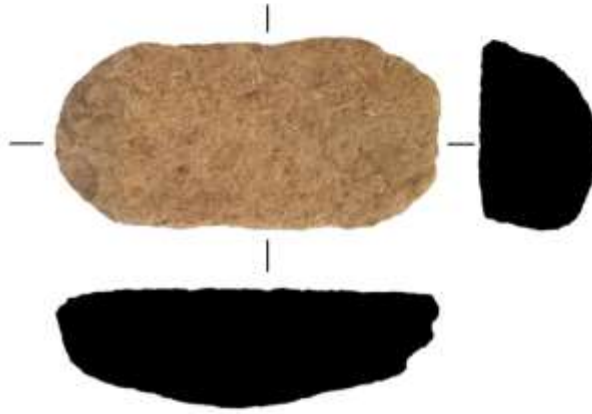
214

109.523.18.1



215

109.523.19.1



216

109.523.20.1



Tab. 46

217

109.523.22.1

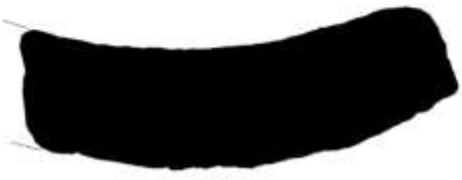
218

109.523.24.1



219

109.523.26.1



220

109.523.28.1

221

109.523.29.1



Tab. 47

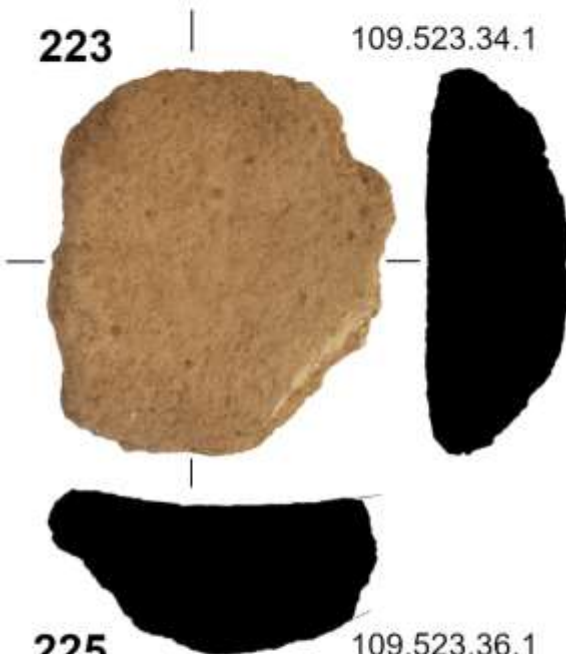
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109.523.30.1



223

109.523.34.1



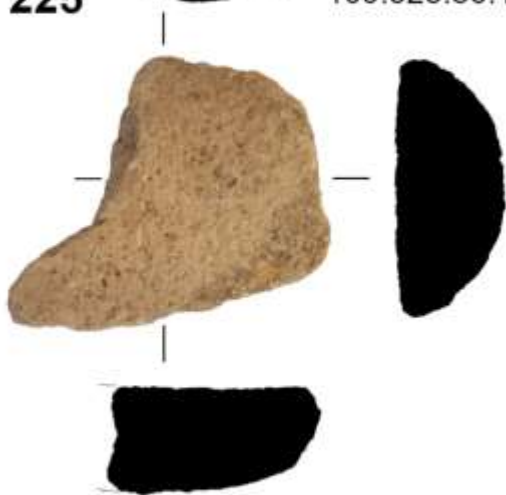
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109.523.35.1



225

109.523.36.1

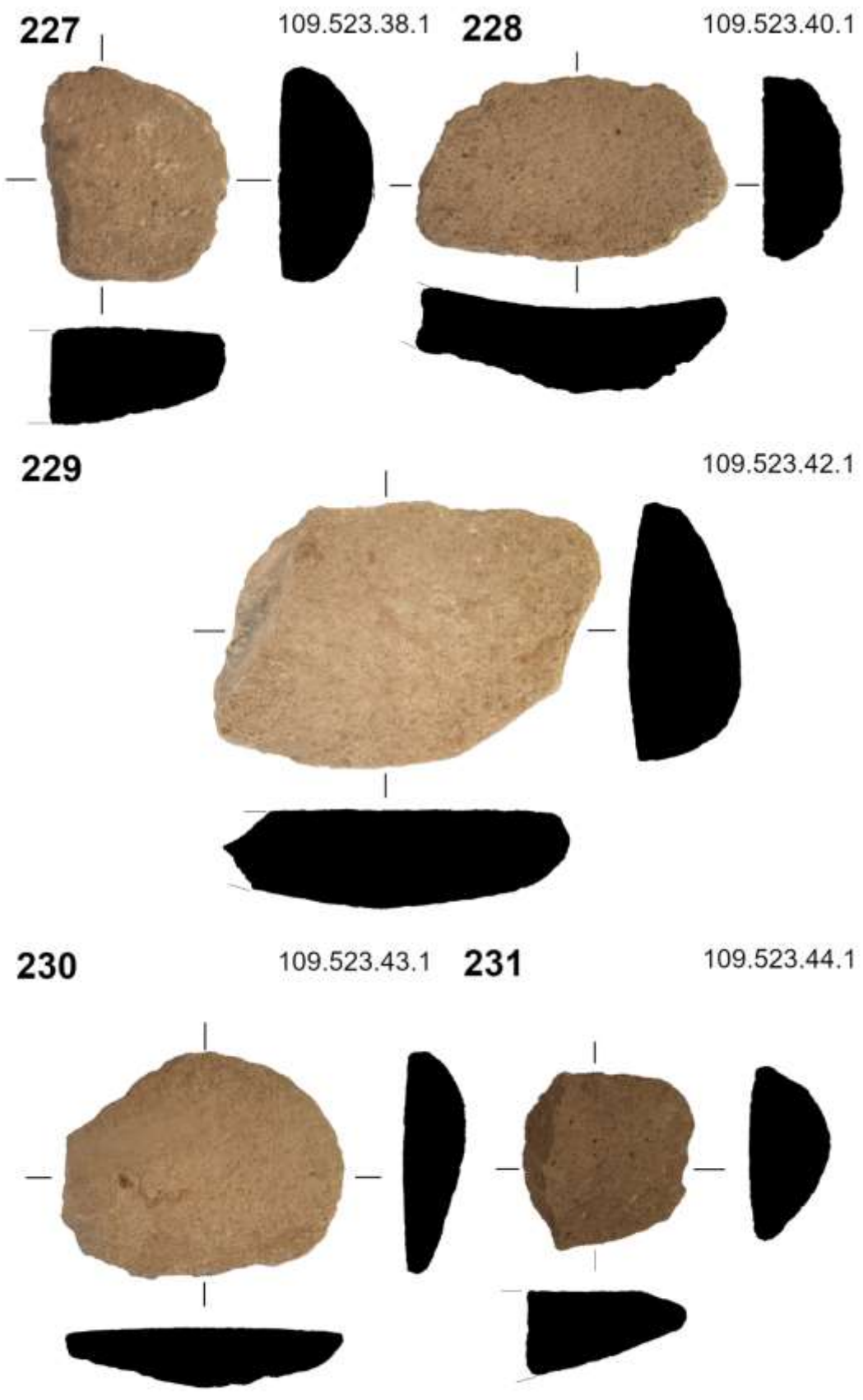


226

109.523.37.1



Tab. 48



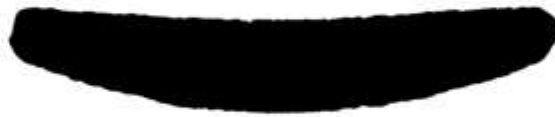
Tab. 49

232

109.523.46.1

234

109.523.92.1



235

109.523.101.1

236

109.523.103.1



237

109.523.112.1

238

109.523.116.1



Tab. 50

239

109.523.117.1

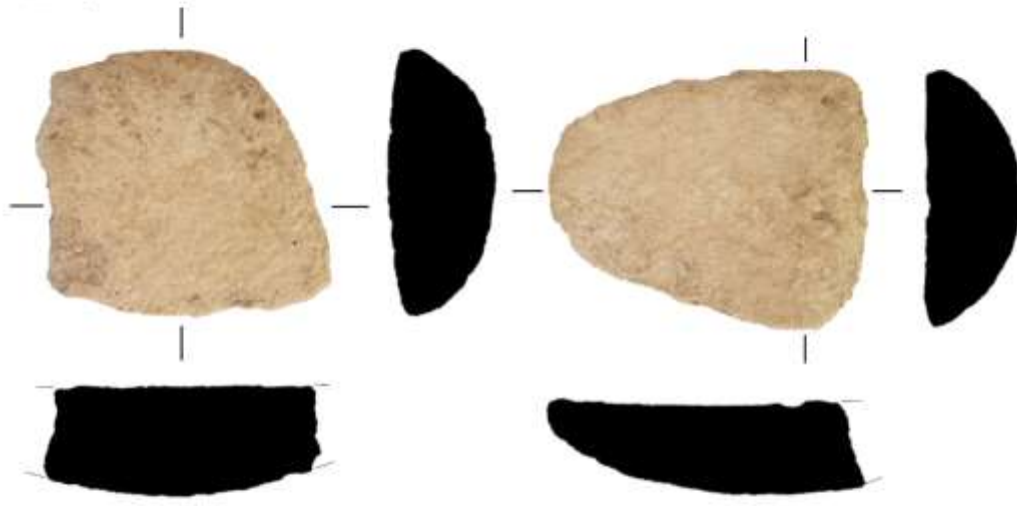


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109.523.117.2

241

109.523.117.3

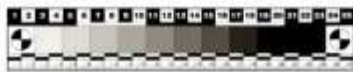


242

109.523.132.1

243

109.523.133.1



Tab. 51

244

109.523.146.1

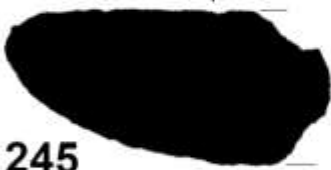


245

109.523.152.1

246

109.523.153.1



247

109.523.158.1

248

109.523.159.1



Tab. 52



249



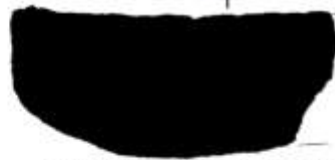
109.523.160.1



250



109.523.167.1



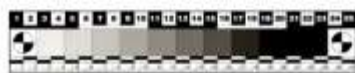
251



109.523.193.1

252

109.523.194.1



Tab. 53

253 109.523.260.8 254

109.523.279.1



255 109.523.280.1 256

109.523.287.1



257

109.523.310.1



Tab. 54

258



109.523.311.1



259



109.523.361.1



260

109.523.364.1



Tab. 55

261



109.523.365.1

262



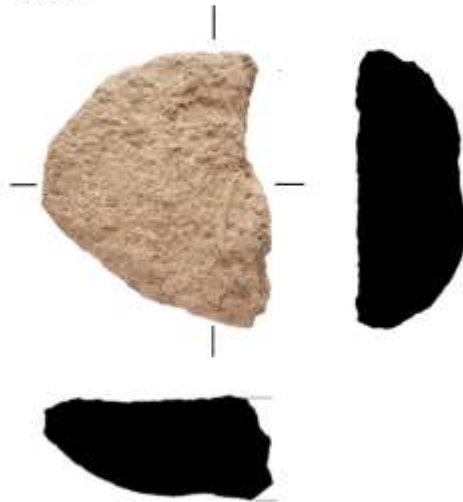
109.523.366.1

263

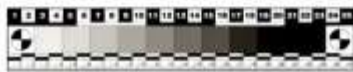


109.523.372.1

264

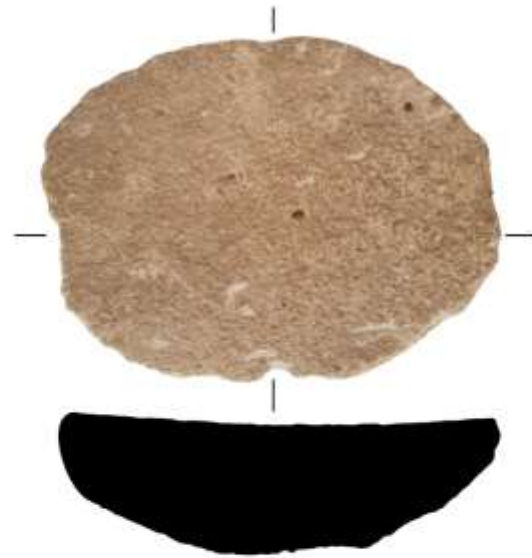


109.523.379.5

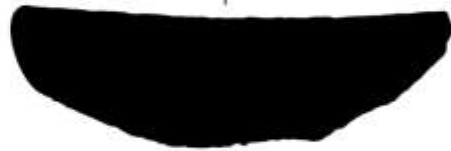


Tab. 56

265



109.523.380.1



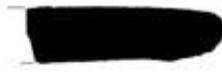
266



109.523.381.1

267

109.523.383.1



268



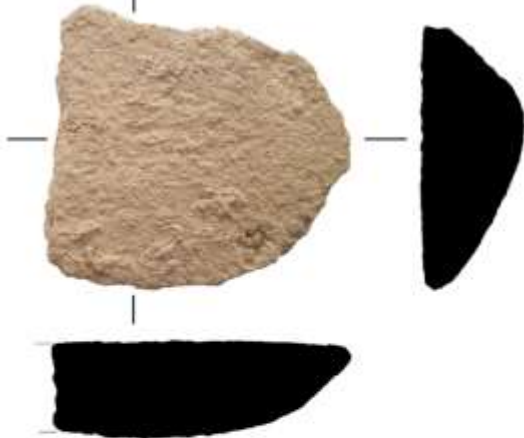
109.523.400.1



Tab. 57

269

109.523.401.1

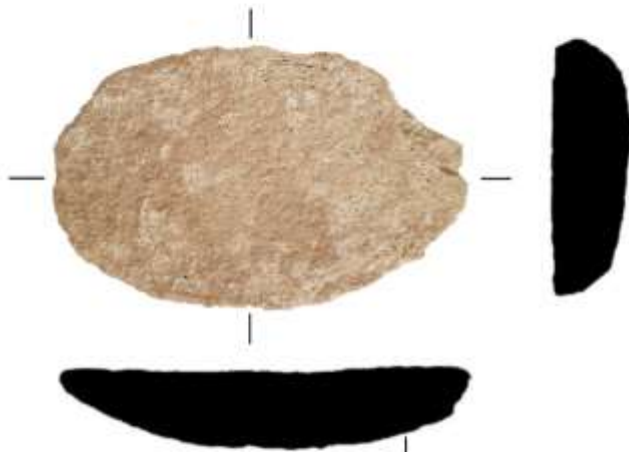


270

109.523.402.1

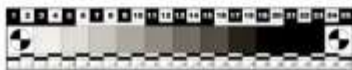
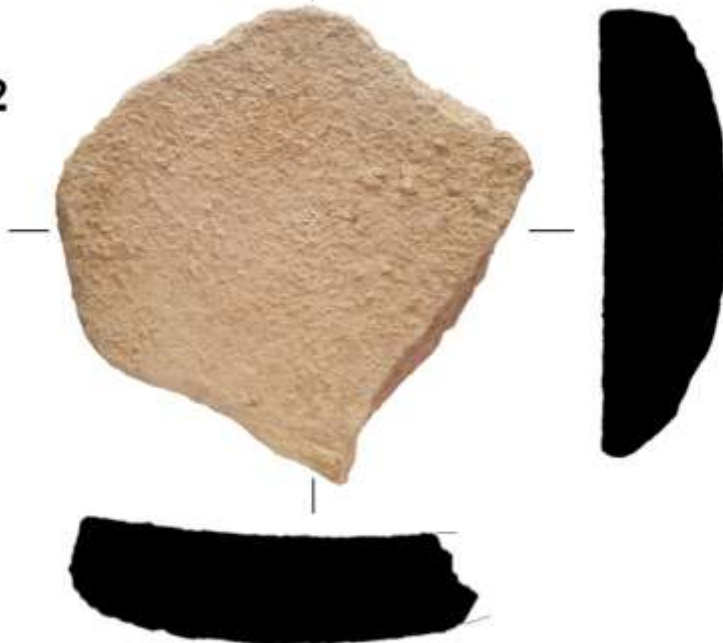
271

109.523.405.1



272

109.523.406.1



Tab. 58

273

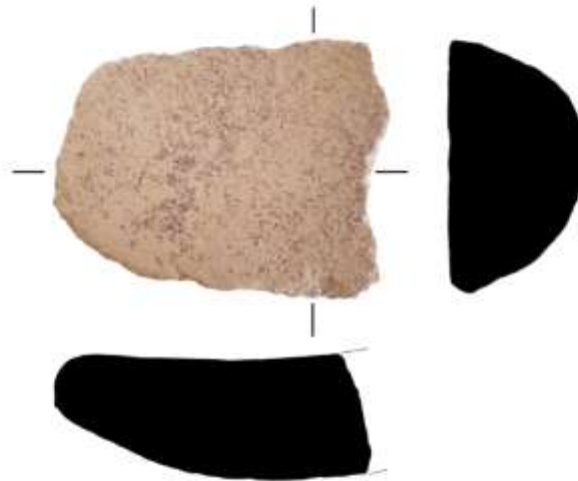
109.523.407.1 274

109.523.408.1



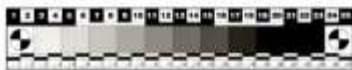
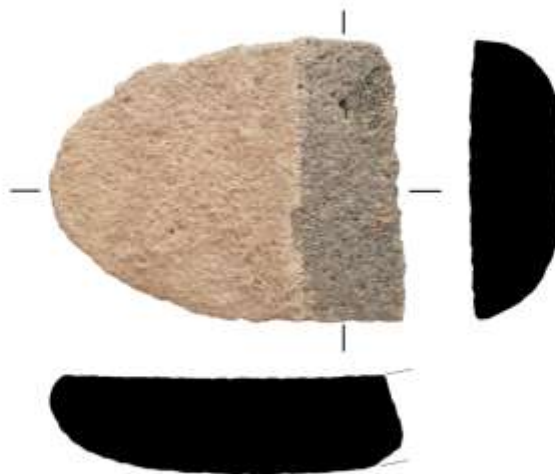
275

109.523.419.1



276

109.523.430.1



Tab. 59

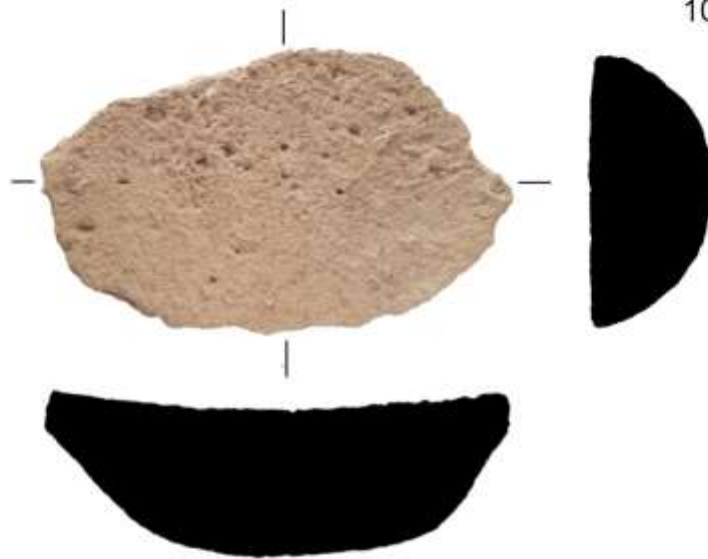
277

109.523.445.1



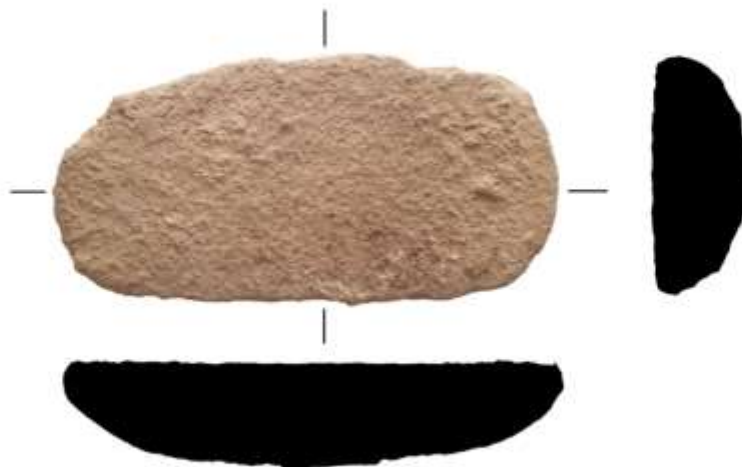
278

109.523.448.1



279

109.523.451.1



Tab. 60



280

109.523.455.1



281

109.523.456.1



282

109.523.461.1



Tab. 61

283

109.523.478.1

284

109.523.523.1



285

109.523.526.1

286

109.523.531.1



287

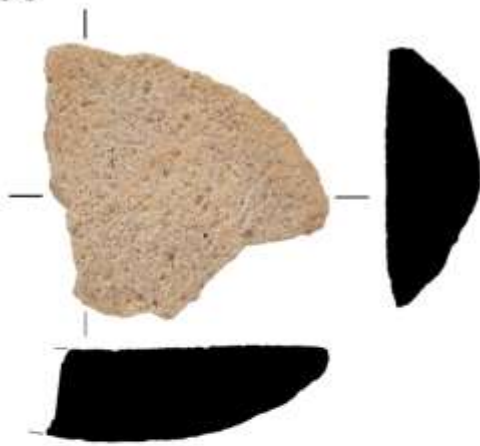
109.523.532.1



Tab. 62

288

109.523.541.1



289

109.523.545.1



290

109.523.550.1



Tab. 63

## **Kaymakçı geological database**

The raw material was described based on the standard geological description and terminology (granularity, texture, structure and mineralogy). In addition, porosity (**Por**) and cohesion (**Coh**) of the rock was observed. Magnetic susceptibility (**MaSus**) was measured at three different locations of the rock and is noted in  $10^{-6}$  SI.

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
1	81	551	4	4	igneous	volcanic	tuff	1710	1 960,00	1300	medium grained	vesicular	porphyritic	1	1
2	81	551	4	6	igneous	volcanic		537	3 340,00	2880	medium grained	compact	porphyritic	1	1
3	81	551	10	3	igneous	volcanic		750	520,00	510	medium grained	compact	porphyritic	1	0
4	93	545	1	33	metamorphic		muscovite schist					paralel	foliation	0	0
5	93	545	5	1	igneous	volcanic	?	560	1 120,00	1120	fine grained	compact	aphanitic	1	1
6	93	545	40	1	igneous	volcanic	basalt	14450	10 340,00	10280	fine grained	compact	aphanitic	1	0
7	93	545	56	1	igneous	volcanic	rhyolite	4260	5 070,00	3720	medium grained	compact	porphyritic	1	0
8	93	545	66	1	sedimentary		sandstone	39	43,00	0	fine grained		psamitic	1	0
9	93	545	90	1	igneous	volcanic	rhyolite	530	1 190,00	290	medium grained	compact	porphyritic	1	1
10	93	545	91	1	igneous	volcanic	rhyolite	570	590,00	540	medium grained	compact	porphyritic	1	0
11	93	545	97	1	igneous	volcanic	rhyolite	2480	2 200,00	2480	medium grained	compact	porphyritic	1	0
12	93	545	101	1	igneous	volcanic	dacite	3620	3 940,00	2740	fine grained	compact	porphyritic	1	0
13	93	545	111	1	igneous	volcanic	tuffit	101	108,00	102	medium grained	vesicular	porphyritic	0	1
14	93	545	168	1	igneous	volcanic		6990	12 840,00	9720	medium grained	vesicular	porphyritic	1	0
15	93	545	178	1	igneous	volcanic	dacite	250	100,00	290	fine grained	compact	porphyritic	1	0
16	93	545	189	5	igneous	volcanic	andesite ?	9750	9 720,00	9720	fine grained	compact	porphyritic	1	0
17	93	545	219	6	igneous	volcanic	rhyolite	700	720,00	930	medium grained	compact	porphyritic	1	0
18	93	545	222	2	sedimentary		conglomerate				coarse grained		psefitic	0	0
19	93	545	232	5	igneous	volcanic	dacite	8300	5 440,00	8390	medium grained	compact	porphyritic	1	0
20	93	545	232	146	igneous	volcanic	dacite	2750	2 280,00	2580	medium grained	compact	porphyritic	1	0
21	93	545	233	5	igneous	volcanic	basalt	12000	11 600,00	12000	fine grained	vesicular		1	0
22	93	545	249	8	igneous	volcanic	rhyolite	370	760,00	390	fine grained	compact	porphyritic	1	0
23	93	545	253	5	metamorphic							paralel	foliation	0	0
24	93	545	291	317	sedimentary		conglomerate	0	0,00	0	coarse grained		psefitic	1	0

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
25	93	545	291	318	igneous	volcanic	andesite	3370	3 450,00	3220	fine grained	compact	aphanitic	1	0
26	93	545	298	5	igneous	volcanic	basalt	9390	9 700,00	5200	fine grained	compact	aphanitic	1	0
27	93	545	330	6	igneous	volcanic	dacite	30	20,00	10	medium grained	compact	porphyritic	1	0
28	93	545	341	1	igneous			1130	1 050,00	870	medium grained	compact	porphyritic	1	1
29	93	545	352	1	igneous	volcanic	basalt	17270	21 670,00	16660	fine grained	vesicular	aphanitic	1	1
30	95	555	3	1	igneous	volcanic	dacite ?	40	30,00	40	medium grained	compact	aphanitic	1	0
31	95	555	7	1	igneous	volcanic	dacite	150			medium grained	compact	aphanitic	1	0
32	95	555	12	1	igneous	plutonic	granite	200	140,00	180	medium grained	compact	aphanitic	0	0
33	95	555	18	1	igneous	volcanic	?	5720	7 060,00	4960	medium grained	compact	aphanitic	1	0
34	95	555	60	12	igneous	volcanic	dacite	140	70,00	220	fine grained	compact	porphyritic	1	0
35	95	555	63	10	igneous	volcanic	dacite ?	3400	1 920,00	4510	medium grained	compact	porphyritic	1	0
36	95	555	65	1	igneous	volcanic	dacite	1500	170,00	450	medium grained	compact	porphyritic	1	0
37	95	555	104	1	igneous	volcanic	rhyolite	1660	2 030,00	2710	medium grained	compact	porphyritic	1	0
38	95	555	109	10	igneous	volcanic	dacite	810	640,00	910	medium grained	compact	porphyritic	1	1
39	95	555	110	1	metamorphic		gneiss	100	270,00	160	medium grained	paralel	foliation	1	0
40	95	555	111	1	igneous	volcanic	dacite	2310	1 380,00	370	fine grained	vesicular	aphanitic	1	1
41	95	555	127	1	igneous	volcanic	rhyolite	1350	1 400,00	1450	medium grained	compact	porphyritic	1	0
42	95	555	144	1	metamorphic			1150	1 110,00	940	fine grained			0	0
43	95	555	152	1	sedimentary		conglomerate				coarse grained		psefitic	0	0
44	95	555	174	1	igneous	volcanic	andesite	5110	3 570,00	5010	fine grained	vesicular	porphyritic	1	1
45	95	555	198	3				79	141,00	136				0	0
46	95	555	215	242	igneous	volcanic	dacite	360	340,00	450	fine grained	compact	porphyritic	1	0
47	95	555	220	1	igneous	volcanic	dacite	1580	1 560,00	1610	fine grained	compact	porphyritic	1	0
48	95	555	251	1	igneous	volcanic	andesite	8260	4 950,00	7800	medium grained	compact	porphyritic	1	0

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
49	95	555	259	2	sedimentary		limestone	0	0,00	0	fine grained			1	0
50	95	555	279	1	igneous	volcanic	rhyolite	2180	1 870,00	1920	medium grained	compact	porphyritic	1	0
51	95	555	305	7	igneous	volcanic	andesite	5070	5 780,00	5240	fine grained	vesicular	aphanitic	1	1
52	97	541	2	20	igneous	volcanic	dacite	20	90,00	60	medium grained	compact	porphyritic	0	0
53	97	541	5	1	igneous	volcanic	dacite	1750	1 910,00	2020	medium grained	compact	porphyritic	1	0
54	97	541	12	1	igneous	volcanic	rhyolite	230	340,00	390	medium grained	compact	porphyritic	1	0
55	97	541	19	1	igneous	volcanic	rhyolite	1038	1 090,00	1064	medium grained	compact	porphyritic	1	0
56	97	541	41	1	igneous	volcanic	basalt	2420	4 800,00	5120	fine grained	vesicular	aphanitic	1	1
57	97	541	57	1	igneous	volcanic	rhyolite	3960	2 450,00	3400	medium grained	compact	porphyritic	1	0
58	97	541	69	1	igneous	volcanic	dacite	4310	3 820,00	4180	medium grained	compact	porphyritic	1	0
59	97	541	71	1	igneous	volcanic	rhyolite	2120	3 050,00	1710	fine grained	compact	porphyritic	1	0
60	97	541	86	1	igneous	volcanic	rhyolite	3640	4 180,00	3180	medium grained	compact	porphyritic	1	0
61	97	541	90	1	igneous	plutonic	granite	60	60,00	10	medium grained	compact	aphanitic	1	0
62	97	541	99	1	igneous	volcanic		9900	12 560,00	9350	medium grained	compact	porphyritic	1	0
63	97	541	114	1	igneous	volcanic	rhyolite	220	360,00	340	medium grained	compact	porphyritic	1	0
64	97	541	124	1	metamorphic		gneiss	40	170,00	10	medium grained	paralel	foliation	1	0
65	97	541	130	1	igneous	plutonic	granite	110	200,00	150	medium grained	compact	porphyritic	1	0
66	97	541	132	1	igneous	volcanic	dacite	147	150,00	156	medium grained	compact	porphyritic	1	1
67	97	541	134	1	igneous	volcanic	dacite	5980	2 690,00	2370	fine grained	compact	porphyritic	0	0
68	97	541	135	2	igneous	volcanic	andesite ?	5820	10 180,00	5380	medium grained	compact	porphyritic	1	0
69	97	541	136	1	igneous	volcanic	andesite ?	2950	1 840,00	4550	fine grained	compact	porphyritic	1	0
70	97	541	176	1	igneous	volcanic		270	440,00	60	fine grained	compact	porphyritic	1	1
71	97	541	179	1	igneous	volcanic	andesite	2040	2 780,00	2730	fine grained	compact	porphyritic	1	0
72	97	541	179	2	igneous	volcanic	andesite	6370	5 710,00	7530	medium grained	vesicular	porphyritic	1	1

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
73	97	541	200	1	sedimentary		conglomerate				coarse grained		pselitit	0	0
74	97	541	209	1	sedimentary		conglomerate				coarse grained		pselitit	1	1
75	97	541	212	281	igneous	volcanic	andesite	7880	6 270,00	4110	medium grained	compact	porphyritic	1	0
76	97	541	218	6	igneous	volcanic	dacite	940	780,00	710	fine grained	compact	porphyritic	1	0
77	97	541	236	2	igneous	volcanic	dacite	3280	2 750,00	3230	fine grained	compact	porphyritic	1	0
78	97	541	239	1	igneous	volcanic	dacite	3280	3 730,00	2790	fine grained	compact	porphyritic	1	0
79	97	541	245	1	igneous	volcanic	andesite	2150	2 560,00	2230	fine grained	compact	aphanitic	1	0
80	97	541	249	1	igneous	volcanic	andesite	9880	9 150,00	7600	fine grained	compact	porphyritic	1	0
81	97	541	250	1	igneous	volcanic	dacite	3850	2 380,00	4060	fine grained	compact	porphyritic	1	0
82	97	541	253	1	igneous	volcanic	rhyolite	860	1 070,00	860	medium grained	compact	porphyritic	1	0
83	97	541	257	1	sedimentary		conglomerate				coarse grained		pselitit	0	0
84	97	541	267	1	igneous	volcanic	rhyolite	3500	2 340,00	3210	medium grained	compact	porphyritic	1	0
86	97	541	275	1	sedimentary		conglomerate				coarse grained		pselitit	1	0
87	97	541	278	74	igneous	volcanic	basalt	2850	2 970,00	2930	fine grained	compact	aphanitic	1	0
88	97	541	286	1	igneous	volcanic	dacite	1650	1 450,00	1340	medium grained	compact	porphyritic	1	0
89	97	541	287	1	metamorphic			12550	17 760,00	10920	medium grained	compact	aphanitic	0	0
90	97	541	288	1	igneous	volcanic	rhyolite	3380	3 060,00	4280	fine grained	compact	porphyritic	1	0
91	97	541	289	8	igneous	volcanic	dacite ?	4960	5 710,00	7190	medium grained	compact	porphyritic	1	0
92	97	541	289	103	igneous	volcanic	dacite	3370	2 646,00	3060	medium grained	compact	porphyritic	1	0
93	97	541	302	1	igneous	plutonic	granite	30	100,00	110	medium grained	compact	aphanitic	1	0
94	97	541	307	1	igneous	plutonic	granite	101	98,00	123	medium grained	compact	porphyritic	1	0
95	97	541	308	1	igneous	volcanic	rhyolite	3560	4 050,00	4400	medium grained	compact	porphyritic	1	0
96	97	541	315	1	sedimentary		sandstone				coarse grained		pselitit	0	0
97	97	541	328	1	sedimentary		sandstone				medium grained	banded	psamitic	0	0



ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
98	97	541	331	1	igneous	volcanic	rhyolite	1580	1 370,00	1310	medium grained	compact	porphyritic	1	0
99	97	541	336	1	igneous	volcanic	dacite	1660	1 320,00	1150	medium grained	compact	porphyritic	1	0
100	97	541	339	11	igneous	volcanic	dacite	2210	2 230,00	1490	medium grained	compact	porphyritic	1	0
101	97	541	350	1	igneous	volcanic	rhyolite	2330	1 780,00	1650	fine grained	compact	porphyritic	1	0
102	97	541	375	1	igneous	volcanic	andesite	8110	5 600,00	4700	fine grained	compact	porphyritic	1	0
103	97	541	396	1	igneous	volcanic	dacite	740	1 240,00	780	medium grained	compact	porphyritic	1	0
104	97	541	410	1	igneous	volcanic	rhyolite	750	770,00	920	medium grained	compact	porphyritic	1	0
105	97	541	413	1	igneous	volcanic	rhyolite ?	4580	6 020,00	5310	medium grained	compact	porphyritic	1	0
106	97	541	421	1	igneous	volcanic	andesite	1220	1 420,00	1340	fine grained	compact	aphanitic	1	0
107	97	541	422	1	igneous	volcanic	rhyolite	3400	2 940,00	3850	medium grained	compact	porphyritic	1	0
108	97	541	501	11	igneous	volcanic	rhyolite	1220	1 320,00	1110	medium grained	compact	porphyritic	1	0
109	97	541	501	66	igneous	volcanic	rhyolite	1290	1 370,00	1330	medium grained	compact	porphyritic	1	0
110	97	541	503	7	sedimentary		limestone	0	0,00	0	fine grained			1	0
111	97	541	509	1	igneous	volcanic	andesite	4430	3 790,00	4450	medium grained	compact	porphyritic	1	0
112	97	541	526	1	igneous	volcanic	dacite	225	141,00	180	medium grained	compact	porphyritic	0	1
113	97	541	537	1	igneous	plutonic	granite	121	122,00	125	medium grained	compact	porphyritic	1	0
114	97	541	538	1	igneous	volcanic	dacite	1910	1 930,00	1980	medium grained	compact	porphyritic	1	0
115	97	541	542	1	igneous	volcanic	andesite	12700	12 300,00	13300	medium grained	compact	aphanitic	1	0
116	97	541	550	1				0	0,00	0				0	0
117	97	541	559	1	igneous	volcanic	andesite	6740	6 690,00	6410	medium grained	compact	porphyritic	1	0
118	97	541	575	1	igneous	volcanic	andesite	5450	5 440,00	5250	medium grained	compact	porphyritic	1	0
119	97	541	596	1			dacite ?	3550	5 480,00	4410	medium grained	compact	porphyritic	1	0
120	97	541	656	1	igneous	volcanic	andesite ?	12800	12 400,00	12700	fine grained	compact	aphanitic	1	0
121	97	541	660	1	sedimentary		sandstone	83	79,00	74	fine grained		psamitic	0	0

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
122	97	541	676	1	igneous	volcanic	andesite ?	4000	4 120,00	3870	fine grained	compact	aphanitic	1	0
123	97	541	678	1	igneous	volcanic	dacite	1010	1 010,00	1240	medium grained	vesicular	aphanitic	1	1
124	97	541	693	1	igneous	volcanic	rhyolite	2100	1 640,00	1850	fine grained	compact	aphanitic	1	0
125	97	541	696	1	igneous	volcanic	rhyolite	4000	4 270,00	4240	fine grained	compact	aphanitic	1	0
126	97	541	697	1	metamorphic		schist	165	83,00	119	fine grained	paralel	foliation	1	0
127	97	541	726	1	igneous	volcanic	rhyolite/ andesite	1840	2 070,00	2320	fine grained	compact	aphanitic	1	0
128	97	541	728	7	igneous	pyroclast	pumice	11200	9 650,00	10800	medium grained	vesicular		0	0
129	97	541	731	1	sedimentary		limestone	0	0,00	0	fine grained			1	0
130	97	541	736	1	igneous	volcanic	dacite	676	840,00	606	medium grained	compact	aphanitic	1	0
131	97	541	742	1	igneous	volcanic	dacite	1620	1 340,00	2280	medium grained	compact	aphanitic	1	0
132	97	541	749	1	sedimentary		conglomerate	87	86,00	82	fine grained	compact	psfeitic	1	0
133	97	541	750	1	igneous	volcanic	rhyolite	2320	2 710,00	2490	medium grained	compact	aphanitic	0	0
134	97	541	761	1	igneous	volcanic		4590	3 100,00	4180	fine grained	compact	aphanitic	1	0
135	98	531	3	2	metamorphic		chlorite schist				fine grained	paralel	foliation	0	0
136	98	531	3	126	igneous	volcanic	dacite	750	710,00	710	medium grained	compact	porphyritic	1	0
137	98	531	6	11	igneous	volcanic	dacite	2350	2 420,00	2570	medium grained	compact	porphyritic	1	1
138	98	531	8	9	igneous	volcanic	dacite	18570	17 660,00	11100	fine grained	compact	porphyritic	1	0
139	98	531	10	3	igneous	volcanic	rhyolite	2010	1 720,00	1900	fine grained	vesicular	porphyritic	1	1
140	98	531	21	4	igneous	volcanic	andesite	5000	3 460,00	3610	medium grained	compact	porphyritic	1	1
141	98	531	21	42	igneous	volcanic	andesite	5790	7 520,00	5720	fine grained	compact	porphyritic	1	0
142	98	531	36	8	igneous	volcanic	dacite	2040	1 880,00	1480	medium grained	compact	porphyritic	1	0
143	98	531	37	5	igneous	volcanic	dacite ?	110	50,00	100	fine grained	compact	porphyritic	1	0
144	98	531	64	6	igneous	volcanic	dacite	1420	420,00	700	medium grained	compact	porphyritic	1	0
145	98	531	78	20	igneous	volcanic	dacite	430	500,00	450	medium grained	compact	porphyritic	1	0

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
146	98	531	87	11	igneous	volcanic	rhyolite	3730	2 200,00	4160	medium grained	compact	porphyritic	1	0
147	98	531	97	6	igneous	volcanic	dacite	540	990,00	830	medium grained	compact	porphyritic	1	0
148	99	526	1	20	igneous	volcanic	andesite	6940	7 000,00	6640	medium grained	compact	porphyritic	1	0
149	99	526	1	36	sedimentary		conglomerate				coarse grained		psefitic	1	0
150	99	526	1	42	igneous	volcanic	dacite	1540	1 260,00	1320	medium grained	compact	porphyritic	1	0
151	99	526	12	10	igneous	volcanic	andesite ?	7490	3 270,00	4730	fine grained	compact	porphyritic	1	0
152	99	526	24	4	sedimentary		conglomerate				coarse grained		psefitic	1	1
153	99	526	35	4	igneous	volcanic	andesite ?	2358	2 377,00	2172	medium grained	compact	porphyritic	0	0
154	99	526	54	6	igneous	volcanic	dacite	5010	3 370,00	3490	medium grained	compact	porphyritic	1	0
155	99	526	54	7	metamorphic		chlorite schist	90	170,00	150	medium grained	paralel	foliation	1	0
156	99	526	63	1	igneous	volcanic	dacite	1030	1 090,00	540	medium grained	compact	porphyritic	1	0
157	99	526	68	9	igneous	volcanic	dacite	1345	1 272,00	1339	medium grained	compact	porphyritic	1	0
158	99	526	68	10	igneous	volcanic	rhyolite	410	170,00	960	medium grained	compact	porphyritic	1	0
159	99	526	68	13	igneous	volcanic	andesite ?	2358	2 377,00	2172	medium grained	compact	porphyritic	1	0
160	99	526	73	10	igneous	volcanic	dacite	690	636,00	611	medium grained	compact	porphyritic	1	0
161	99	526	73	18	igneous	volcanic	dacite	599	604,00	602	medium grained	compact	porphyritic	1	0
162	99	526	73	19	igneous	volcanic	andesite	9830	9 870,00	10140	fine grained	compact	porphyritic	1	0
163	99	526	76	8	sedimentary		conglomerate				coarse grained		psefitic	1	1
164	99	526	76	9	igneous	volcanic	dacite	1055	961,00	972	medium grained	compact	porphyritic	1	0
165	99	526	76	10	igneous	volcanic	dacite	1341	1 137,00	1252	medium grained	compact	porphyritic	1	0
166	99	526	76	12	igneous	volcanic	dacite ?	720	820,00	610	fine grained	compact	porphyritic	1	0
167	99	526	110	1	igneous	volcanic	dacite	850	1 060,00	1360	fine grained	compact	porphyritic	1	0
168	99	526	129	1	igneous	volcanic	andesite ?	11300	15 430,00	19050	medium grained	compact	porphyritic	1	0
169	99	526	135	1	sedimentary		conglomerate				coarse grained		psefitic	0	0

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
170	99	526	152	1	igneous	volcanic	dacite	60	30,00	150	fine grained	compact	porphyritic	1	0
171	99	526	153	1	igneous	volcanic	rhyolite	2110	2 880,00	2100	medium grained	compact	porphyritic	1	0
172	99	526	188	1	igneous	volcanic	dacite	260	410,00	140	medium grained	compact	porphyritic	0	0
173	99	526	225	1	igneous	volcanic	dacite	4050	3 530,00	1950	fine grained	compact	porphyritic	0	0
174	99	526	233	1	igneous	volcanic	dacite	810	760,00	610	medium grained	compact	porphyritic	1	0
175	99	526	237	1	igneous	plutonic	granite	20	80,00	150	medium grained	compact	aphanitic	0	0
176	99	526	240	1	sedimentary		sandstone	90	80,00	150	medium grained		psefitic	1	0
177	99	526	241	1	igneous	volcanic	andesite	9240	6 340,00	10640	fine grained	compact	porphyritic	1	1
178	99	526	333	1	igneous	volcanic	andesite	4460	4 260,00	4610	fine grained	compact	porphyritic	1	0
179	99	526	337	1	igneous	volcanic	andesite	7950	9 250,00	9230	fine grained	compact	porphyritic	1	1
180	99	526	337	2	igneous	volcanic	andesite	5390	5 170,00	9170	fine grained	compact	porphyritic	1	0
181	99	526	370	1	igneous	volcanic	andesite	4460	4 260,00	4610	fine grained	compact	porphyritic	1	0
182	99	526	373	1	sedimentary		limestone							0	0
183	99	526	392	1	igneous	volcanic	andesite	11240	10 020,00	10040	coarse grained	compact	porphyritic	1	0
184	99	526	412	1	igneous	volcanic	dacite	1090	750,00	190	medium grained	compact	porphyritic	1	0
185	99	526	515	4	igneous	volcanic	andesite	17420	11 160,00	16010	medium grained	compact	porphyritic	1	0
186	99	526	609	7	sedimentary		sandstone	133	98,00	176	medium grained	compact	psamitic	0	0
187	99	526	626	1	igneous	volcanic	rhyolite	4429	4 472,00	4618	medium grained	compact	porphyritic	1	0
188	99	526	661	1	igneous	volcanic	dacite	3700	3 380,00	3070	medium grained	compact	porphyritic	1	0
189	99	526	694	1	sedimentary		conglomerate	121	98,00	335	coarse grained	compact	psefitic	1	0
190	108	522	3	5	igneous	volcanic	andesite	15180	9 480,00	10980	medium grained	compact	porphyritic	1	0
191	108	522	8	5	igneous	volcanic	rhyolite	406	438,00	409	medium grained	compact	porphyritic	1	0
192	108	522	11	6	igneous	volcanic	rhyolite	1867	1 674,00	1567	fine grained	compact	porphyritic	1	0
193	108	522	18	7	igneous	volcanic	andesite ?	2280	1 530,00	1230	fine grained	compact	porphyritic	1	0

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
194	108	522	34	6	igneous	volcanic	basalt	2480	2 600,00	2150	fine grained	compact	aphanitic	1	0
195	108	522	42	8	igneous	volcanic	dacite	7539	8 256,00	8022	fine grained	compact	porphyritic	1	0
196	108	522	47	1	metamorphic		chlorite schist				fine grained	paralel	foliation	0	0
197	108	522	53	3	igneous	volcanic	dacite	271	256,00	267	medium grained	compact	porphyritic	1	0
198	108	522	60	5	igneous	volcanic	dacite	350	310,00	190	medium grained	compact	porphyritic	1	0
199	108	522	72	5	igneous	volcanic	andesite	5880	5 850,00	4240	fine grained	compact	porphyritic	1	0
200	108	522	73	5	igneous	volcanic	dacite	4889	4 857,00	4626	medium grained	compact	porphyritic	1	0
201	109	523	3	4	igneous	volcanic	dacite	1080	840,00	740	medium grained	compact	porphyritic	1	0
202	109	523	3	83	igneous	volcanic	dacite	1310	490,00	610	medium grained	compact	porphyritic	1	0
203	109	523	4	7	igneous	volcanic	basalt	3890	3 980,00	4180	fine grained	vesicular	aphanitic	1	1
204	109	523	4	10	igneous	volcanic	andesite ?	10980	8 500,00	10770	medium grained	compact	porphyritic	1	0
205	109	523	4	424	igneous	volcanic	rhyolite	280	470,00	580	medium grained	compact	porphyritic	1	1
206	109	523	4	425	sedimentary		conglomerate				coarse grained		psefitic	1	0
207	109	523	4	426	igneous	volcanic	rhyolite ?	3290	2 460,00	4740	medium grained	compact	porphyritic	1	0
208	109	523	4	427	igneous	volcanic	dacite ?	5620	6 410,00	4120	medium grained	compact	porphyritic	1	0
209	109	523	4	429	igneous	volcanic	rhyolite	1200	1 440,00	1490	medium grained	vesicular	porphyritic	1	1
210	109	523	4	430	igneous	volcanic	andesite	8660	11 410,00	13030	medium grained	compact	porphyritic	1	0
211	109	523	15	1	igneous	volcanic	basalt	16160	19 770,00	13850	medium grained	compact	porphyritic	1	0
212	109	523	16	1	igneous	volcanic	basalt	11450	11 490,00	1096	fine grained	vesicular	aphanitic	1	1
213	109	523	17	1	igneous	volcanic	andesite ?	11740	9 960,00	11340	medium grained	compact	porphyritic	1	0
214	109	523	18	1	igneous	volcanic	andesite	20230	20 850,00	20890	fine grained	compact	porphyritic	1	0
215	109	523	19	1	metamorphic		gneiss	10	50,00	30	medium grained	paralel	foliation	1	0
216	109	523	20	1	igneous	volcanic	rhyolite	4940	4 223,00	4799	medium grained	compact	porphyritic	1	0
217	109	523	22	1	igneous	plutonic	granite	174	200,00	223	coarse grained	compact	aphanitic	0	0

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
218	109	523	24	1	igneous	volcanic	rhyolite	4683	4 746,00	4754	fine grained	compact	porphyritic	1	0
219	109	523	26	1	igneous	volcanic	rhyolite	363	362,00	232	fine grained	compact	porphyritic	1	0
220	109	523	28	1	sedimentary		conglomerate				coarse grained		psefitic	0	1
221	109	523	29	1	sedimentary		conglomerate				coarse grained		psefitic	1	1
222	109	523	30	1	igneous	volcanic	?	1290	890,00	1380	medium grained	vesicular	porphyritic	1	1
223	109	523	34	1	igneous	volcanic	rhyolite	680	650,00	610	medium grained	compact	porphyritic	1	0
224	109	523	35	1	metamorphic		muscovite schist					paralel	foliation	0	0
225	109	523	36	1	igneous	volcanic	rhyolite	60	60,00	120	medium grained	compact	porphyritic	1	0
226	109	523	37	1	igneous	volcanic	dacite	1030	1 700,00	3070	medium grained	compact	porphyritic	1	0
227	109	523	38	1	sedimentary		conglomerate				coarse grained		psefitic	1	1
228	109	523	40	1	igneous	volcanic	rhyolite ?	540	930,00	630	medium grained	compact	porphyritic	1	0
229	109	523	42	1	metamorphic		gneiss	30	80,00	130	medium grained	compact	aphanitic	1	0
230	109	523	43	1	metamorphic		green schist ?	3390	5 900,00	5610	medium grained	paralel	foliation	0	0
231	109	523	44	1	igneous	volcanic	dacite	145	26,00	102	medium grained	compact	porphyritic	1	0
232	109	523	46	1	igneous	volcanic	dacite ?	1875	1 820,00	1808	medium grained	compact	porphyritic	0	0
234	109	523	92	1	igneous	volcanic	dacite	370	480,00	190	fine grained	compact	porphyritic	1	0
235	109	523	101	1	igneous	plutonic	diorite ?	270	170,00	140	medium grained	compact	aphanitic	1	0
236	109	523	103	1				520	590,00	310	fine grained	compact	aphanitic	1	0
237	109	523	112	1	sedimentary		conglomerate				coarse grained		psefitic	0	0
238	109	523	116	1	igneous	volcanic	andesite	10170	13 180,00	6720	fine grained	compact	porphyritic	1	0
239	109	523	117	1	igneous	volcanic	andesite	15680	16 480,00	17010	fine grained	compact	porphyritic	1	0
240	109	523	117	2	igneous	volcanic	dacite	3280	2 470,00	2800	medium grained	compact	porphyritic	1	1
241	109	523	117	3	igneous	volcanic	dacite	1470	1 650,00	1620	medium grained	compact	porphyritic	1	0
242	109	523	132	1	igneous	volcanic	rhyolite	940	830,00	740	medium grained	compact	porphyritic	1	1

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
243	109	523	133	1	igneous	volcanic	andesite	14500	12 160,00	8820	medium grained	compact	porphyritic	1	0
244	109	523	146	1	igneous	volcanic	dacite	1300	1 220,00	780	medium grained	compact	porphyritic	1	0
245	109	523	152	1	igneous	volcanic	rhyolite	2450	2 470,00	2320	medium grained	compact	porphyritic	1	0
246	109	523	153	1	igneous	volcanic	basalt	6170	4 470,00	6190	fine grained	compact	aphanitic	1	0
247	109	523	158	1	igneous	volcanic	andesite	6020	6 560,00	7080	fine grained	compact	aphanitic	1	0
248	109	523	159	1	igneous	volcanic	andesite	9850	9 870,00	12840	medium grained	compact	porphyritic	1	0
249	109	523	160	1	igneous	volcanic	dacite	1150	2 210,00	610	medium grained	compact	porphyritic	1	0
250	109	523	167	1	igneous	volcanic	rhyolite	710	1 980,00	1000	fine grained	compact	porphyritic	1	0
251	109	523	193	1	igneous	volcanic	rhyolite	430	280,00	270	medium grained	vesicular	porphyritic	1	1
252	109	523	194	1	igneous	volcanic	andesite ?	7930	7 750,00	4380	fine grained	compact	porphyritic	0	0
253	109	523	260	8	igneous	volcanic	rhyolite	12	15,00	8	medium grained	compact	aphanitic	1	0
254	109	523	279	1	igneous	volcanic	rhyolite	1045	1 171,00	1197	medium grained	compact	porphyritic	1	0
255	109	523	280	1	igneous	volcanic	dacite	950	510,00	340	medium grained	compact	porphyritic	1	0
256	109	523	287	1	igneous	volcanic	dacite	583	452,00	401	medium grained	compact	porphyritic	1	0
257	109	523	310	1	igneous	volcanic	rhyolite	6572	7 231,00	6959	medium grained	compact	porphyritic	1	0
258	109	523	311	1	igneous	volcanic	rhyolite	3150	3 104,00	3098	medium grained	compact	porphyritic	1	0
259	109	523	361	1	igneous	volcanic	dacite	850	340,00	820	medium grained	compact	aphanitic	1	0
260	109	523	364	1	igneous	volcanic	andesite	9640	8 660,00	8770	medium grained	compact	porphyritic	1	0
261	109	523	365	1	igneous	volcanic	rhyolite/granite	1360	830,00	1600	medium grained	compact	aphanitic	1	0
262	109	523	366	1	igneous	volcanic	andesite	5760	5 960,00	5830	fine grained	compact	aphanitic	1	0
263	109	523	372	1	igneous	volcanic	andesite	9030	8 720,00	6300	medium grained	compact	porphyritic	1	0
264	109	523	379	1	igneous	volcanic		2870	2 530,00	2740	medium grained	compact	glassy	1	0
265	109	523	380	1	sedimentary		sandstone	98	101,00	102	medium grained	compact	psamitic	1	1
266	109	523	381	1	igneous	volcanic	rhyolite	1510	1 380,00	1570	medium grained	compact	porphyritic	1	0

ID ML	AN	AE	CN	SN	Rock category	Specification	Rock type	MaSus 1	MaSus 2	MaSus 3	Granularity	Texture	Structure	Coh	Por
267	109	523	383	1	igneous			11200	11 200,00	10600	medium grained	compact	porphyritic	1	0
268	109	523	400	1	igneous	volcanic	rhyolite	4590	4 610,00	4050	medium grained	compact	porphyritic	1	0
269	109	523	401	1	igneous	volcanic	andesite	8860	12 200,00	12200	fine grained	compact	aphanitic	1	0
270	109	523	402	1	igneous	volcanic	dacite	2000	1 920,00	1760	fine grained	compact	porphyritic	1	0
271	109	523	405	1	igneous	plutonic	granite	173	178,00	123	medium grained	compact	aphanitic	1	0
272	109	523	406	1	igneous	volcanic	rhyolite	3490	3 480,00	3700	medium grained	compact	porphyritic	1	0
273	109	523	407	1	igneous	volcanic	dacite	249	231,00	207	medium grained	compact	porphyritic	1	0
274	109	523	408	1	igneous	volcanic	dacite	930	990,00	900	medium grained	compact	porphyritic	1	0
275	109	523	419	1	igneous	volcanic	rhyolite	2450	2 890,00	2380	medium grained	compact	porphyritic	1	0
276	109	523	430	1	igneous	volcanic	andesite	11800	11 500,00	12200	medium grained	compact	porphyritic	1	0
277	109	523	445	1	igneous	volcanic	andesite	5960	6 300,00	5800	medium grained	compact	porphyritic	1	0
278	109	523	448	1	sedimentary		conglomerate	38	19,00	39	medium grained	compact	psefitic	1	1
279	109	523	451	1	igneous	volcanic	rhyolite	2530	2 540,00	2570	fine grained	compact	aphanitic	1	0
280	109	523	455	1	igneous	volcanic	andesite ?	5080	5 070,00	4750	medium grained	compact	porphyritic	1	0
281	109	523	456	1	igneous	volcanic	andesite	6610	6 740,00	6380	medium grained	compact	porphyritic	1	0
282	109	523	461	1	igneous	volcanic	dacite	206	187,00	207	fine grained	compact	aphanitic	1	0
283	109	523	478	1	igneous	volcanic	andesite	5960	5 300,00	5090	fine grained	compact	porphyritic	1	0
284	109	523	523	1	igneous	volcanic	dacite	2580	2 930,00	2730	fine grained	compact	aphanitic	1	0
285	109	523	526	1	metamorphic		mica schist	0	0,00	0	fine grained	paralel	foliation	1	0
286	109	523	531	1	igneous	volcanic		3470	4 000,00	4240	medium grained	compact	porphyritic	1	0
287	109	523	532	1	igneous	volcanic	andesite	12600	13 200,00	11200	medium grained	compact	porphyritic	1	0
288	109	523	541	1	igneous	volcanic	dacite	615	594,00	502	medium grained	compact	porphyritic	1	0
289	109	523	545	1	igneous	volcanic	dacite	1280	1 290,00	1360	medium grained	compact	aphanitic	1	0
290	109	523	550	1	igneous	volcanic	dacite	1640	1 610,00	1540	fine grained	compact	porphyritic	1	0



## **Kaymakçı contextual database**

The contexts of the finds are recorded in this catalogue. The phases of the contexts in the EAs are also noted. So far, the chronology of stratigraphy of the individual EAs is in the process of being settled. All the finds date to the 2<sup>nd</sup> Millennium BC, predominantly the LBA.

ID	ML	AN	AE	CN	SN	Context	Location	Phase
1	81	551	4	4	stone collapse			
2	81	551	4	6	stone collapse			
3	81	551	10	3	wall collapse	interior		
4	93	545	1	33	cleaning			
5	93	545	5	1	topsoil			
6	93	545	40	1	fill of a circular feature			
7	93	545	56	1	fill of a pit			
8	93	545	66	1	circular feature, mudbricks		2	
9	93	545	90	1	fill of a circular feature			
10	93	545	91	1	fill of a circular feature			
11	93	545	97	1	fill of a pit with large ceramic			
12	93	545	101	1	fill near a wall and circular feature			
13	93	545	111	1	fill near a wall and circular feature			
14	93	545	168	1	fill between pits			
15	93	545	178	1	fill deposit in NW area			
16	93	545	189	5	fill of a circular feature			
17	93	545	219	6	pebble layer in a circular feature			
18	93	545	222	2	pebble layer in a circular feature			
19	93	545	232	5	stone collapse			
20	93	545	232	146	stone collapse			
21	93	545	233	5	removal of white fill near a wall collapse		2	
22	93	545	249	8	white fill			
23	93	545	253	5	fill			
24	93	545	291	317	fill of a pass			

ID	ML	AN	AE	CN	SN	Context	Location	Phase
25	93	545	291	318	fill of a pass			
26	93	545	298	5	fill in N part			
27	93	545	330	6	fill near a niche			
28	93	545	341	1	stone collapse			
29	93	545	352	1	cleaning context			
30	95	555	3	1	topsoil			0
31	95	555	7	1	topsoil			0
32	95	555	12	1	topsoil			0
33	95	555	18	1	topsoil			0
34	95	555	60	12	fill		exterior	1
35	95	555	63	10	fill		exterior	1
36	95	555	65	1	fill		exterior	1
37	95	555	104	1	fill created by walls		interior	1
38	95	555	109	10	fill in SE area		interior	1
39	95	555	110	1	fill between walls		interior	1
40	95	555	111	1	fill between walls		interior	1
41	95	555	127	1	fill in SE area		interior	1
42	95	555	144	1	fill		interior	1
43	95	555	152	1	fill		interior	1
44	95	555	174	1	cleaning		interior	1
45	95	555	198	3	rock pile		interior	1
46	95	555	215	242	fill near fortification wall		exterior	1
47	95	555	220	1	fill near fortification wall		interior	1
48	95	555	251	1	fill near fortification wall		exterior	1

ID	ML	AN	AE	CN	SN	Context	Location	Phase
49	95	555	259	2	fill between walls, stones and debris of mudbricks	interior	1	
50	95	555	279	1	part of fortification collapse	interior	2	
51	95	555	305	7	fill near fortification wall	interior	2	
52	97	541	2	20	topsoil		0	
53	97	541	5	1	topsoil		0	
54	97	541	12	1	topsoil		0	
55	97	541	19	1	topsoil		0	
56	97	541	41	1	modern stone pile		0	
57	97	541	57	1	fill of the eastern building	interior	1	
58	97	541	69	1	fill of a pit		4b	
59	97	541	71	1	fill of a pit near small room, fill in a pithos	exterior	1	
60	97	541	86	1	fill of a pit near small room, fill in a pithos	exterior	1	
61	97	541	90	1	fill outside of the small room	exterior	1	
62	97	541	99	1	fill of pit near the small room, fill in a pithos	exterior	1	
63	97	541	114	1	fill in the S area	exterior	1	
64	97	541	124	1	fill of a courtyard, (large building)	exterior	1	
65	97	541	130	1	fill of a corridor, maybe collapse	exterior	1	
66	97	541	132	1	fill of a corridor, maybe collapse	exterior	1	
67	97	541	134	1	fill of a corridor, maybe collapse	exterior	1	
68	97	541	135	2	fill of a corridor, maybe collapse	exterior	1	
69	97	541	136	1	fill of a corridor, maybe collapse	exterior	1	
70	97	541	176	1	rocky fill of drain	exterior	4b	
71	97	541	179	1	rock pile from the trench, it was found after the excavation was closed		0	
72	97	541	179	2	rock pile from the trench, it was found after the excavation was closed		0	

ID	ML	AN	AE	CN	SN	Context	Location	Phase
73	97	541	200	1	cleaning			
74	97	541	209	1	rubble, possibly of substructure of pavement	exterior	2a	
75	97	541	212	281	fill of the S open area	exterior	2a	
76	97	541	218	6	fill of the small room	interior	1	
77	97	541	236	2	cleaning			
78	97	541	239	1	fill of a S open area	exterior	2a	
79	97	541	245	1	stone collapse between walls 50 and 55 (corridor)	exterior	2a	
80	97	541	249	1	fill of the open area between buildings, above the bedrock, pits and drain carved into it	exterior	2a	
81	97	541	250	1	fill of the open area between buildings, above the bedrock, pits and drain carved into it	exterior	2a	
82	97	541	253	1	fill of the open area between buildings, above the bedrock, pits and drain carved into it	exterior	2a	
83	97	541	257	1	fill of the open area between buildings, above the bedrock, pits and drain carved into it	exterior	2a	
84	97	541	267	1	fill of the open area between buildings, above the bedrock, pits and drain carved into it	exterior	2a	
85	97	541	273	1	fill in the niche above possible pit, also stone collapse	interior	2a	
86	97	541	275	1	fill in the niche above possible pit, also stone collapse	interior	2a	
87	97	541	278	74	fill of pit, includes faunal remains and ceramic	interior	1	
88	97	541	286	1	fill with special finds near wall, outside the small building	exterior	2a	
89	97	541	287	1	fill with special finds near wall, outside the small building	exterior	2a	
90	97	541	288	1	fill with special finds near wall, outside the small building	exterior	2a	
91	97	541	289	8	pit carved into bedrock	exterior	4a	
92	97	541	289	103	pit carved into bedrock	exterior	4a	
93	97	541	302	1	collapse of the circular feature	exterior	2a	
94	97	541	307	1	wall collapse in the small building	interior	1	
95	97	541	308	1	wall collapse in the small building	interior	1	
96	97	541	315	1	fill of a room near wall collapse in the small building	interior	1	

ID	ML	AN	AE	CN	SN	Context	Location	Phase
97	97	541	328	1	stone collapse	exterior	2a	
98	97	541	331	1	fill of a corridor	exterior	1	
99	97	541	336	1	fill of a corridor	exterior	1	
100	97	541	339	11	fill	exterior	2a	
101	97	541	350	1	fill	exterior	2a	
102	97	541	375	1	fill of a room, in situ vessels and hearth (burning)	interior	1	
103	97	541	396	1	fill of a pit	exterior	4a	
104	97	541	410	1	fill of a pit carved into bedrock, probably collapsed superstructure	exterior	4b	
105	97	541	413	1	floor with plaster surface	interior	2a	
106	97	541	421	1	fill of small room with white plaster	interior	2a	
107	97	541	422	1	fill of small room with white plaster	interior	2a	
108	97	541	501	11	part of collapsed wall, near a schist box	exterior	2b	
109	97	541	501	66	part of collapsed wall, near a schist box	exterior	2b	
110	97	541	503	7	fill of a small niche between 3 walls, around ceramic and metal objects	interior	2b	
111	97	541	509	1	fill of a small niche between 3 walls, around ceramic and metal objects	interior	2b	
112	97	541	526	1	fill of a pithos	interior	3	
113	97	541	537	1	fill of an area between 2 walls and baulk (NW building)	interior	2a	
114	97	541	538	1	part of a collapsed wall, near a schist box	exterior	2b	
115	97	541	542	1	part of a collapsed wall, near a schist box	exterior	2b	
116	97	541	550	1	part of a collapsed wall	interior	2b	
117	97	541	559	1	fill of possible pavement	interior	2b	
118	97	541	575	1	fill between walls, in situ ceramic, bones (NW building)	interior	2a	
119	97	541	596	1	fill between walls, in situ ceramic, bones (NW building)	interior	2a	
120	97	541	656	1	fill of "corridor" (open space in SE area), near lithic industry and special species of stones probably for making pigment	exterior	3	

ID	ML	AN	AE	CN	SN	Context	Location	Phase
121	97	541	660	1	fill of "corridor" (open space in SE area), near lithic industry and special species of stones probably for making pigment	exterior	3	
122	97	541	676	1	part of a wall	interior	3 e	
123	97	541	678	1	fill of "corridor" (open space in SE area), near lithic industry and special species of stones probably for making pigment	exterior	3	
124	97	541	693	1	fill in the cist, around bones		3	
125	97	541	696	1	fill in the cist, around bones		3	
126	97	541	697	1	fill in the cist, around bones		3	
127	97	541	726	1	fill with stone collapse and pithoi		1	
128	97	541	728	7	fill of a bedrock cut feature (figure 8), rich in finds (ceramic, small finds)	exterior	3	
129	97	541	731	1	fill of a bedrock cut feature (figure 8), rich in finds (ceramic, small finds)	exterior	3	
130	97	541	736	1	rubble, part of stone line	exterior	4b	
131	97	541	742	1	fill between 2 walls, near firing installation	interior	3	
132	97	541	749	1	stone collapse, included also pithos sherds		3	
133	97	541	750	1	part of collapsed stone		3	
134	97	541	761	1	wall with sediment pedestal	interior	3	
135	98	531	3	2	modern rock pile	exterior	0	
136	98	531	3	126	modern rock pile	exterior	0	
137	98	531	6	11	rock pile probably from robber trench		1	
138	98	531	8	9	loose deposit, evidence of burning		2	
139	98	531	10	3	deposit with rubble and broken pithoi, some in situ pithoi		1	
140	98	531	21	4	rocky deposit with pithoi - oven feature	interior	1	
141	98	531	21	42	rocky deposit with pithoi - oven feature	interior	1	
142	98	531	36	8	pebbly fill with sherds		2	
143	98	531	37	5	rubble deposit, in situ pot, burned sediments	interior	1	
144	98	531	64	6	filled pit, fragment of pithoi		1	

ID	ML	AN	AE	CN	SN	Context	Location	Phase
145	98	531	78	20	friable deposit within the room, evidence of burning	interior	2	
146	98	531	87	11	deposit near the wall 62		3	
147	98	531	97	6	deposit between walls		2	
148	99	526	1	20	topsoil		0	
149	99	526	1	36	topsoil		0	
150	99	526	1	42	topsoil		0	
151	99	526	12	10	exterior fill by a wall	exterior	1	
152	99	526	24	4	wall	interior	1	
153	99	526	35	4	fill of a circular feature	exterior	2	
154	99	526	54	6	fill between walls with pithos sherds	interior	1	
155	99	526	54	7	fill between walls with pithos sherds	interior	1	
156	99	526	63	1	deposit near a circular feature	exterior	2	
157	99	526	68	9	deposit between the walls	interior	1	
158	99	526	68	10	deposit between the walls	interior	1	
159	99	526	68	13	deposit between the walls	interior	1	
160	99	526	73	10	deposit under oven/hearth	interior	1	
161	99	526	73	18	deposit under oven/hearth	interior	1	
162	99	526	73	19	deposit under oven/hearth	interior	1	
163	99	526	76	8	deposit near circular feature	exterior	2	
164	99	526	76	9	deposit near circular feature	exterior	2	
165	99	526	76	10	deposit near circular feature	exterior	2	
166	99	526	76	12	deposit near circular feature	exterior	2	
167	99	526	110	1	fill between walls, fragments of pithoi and mudbricks, above oven	interior	1	
168	99	526	129	1	fill in a small pass	interior	2	



ID	ML	AN	AE	CN	SN	Context	Location	Phase
169	99	526	135	1	fill between walls, fragments of pithoi and mudbricks, above oven	interior	1	
170	99	526	152	1	fill	interior	1	
171	99	526	153	1	fill	interior	1	
172	99	526	188	1	fill	interior	2	
173	99	526	225	1	cleaning			
174	99	526	233	1	deposit near circular feature	exterior	2	
175	99	526	237	1	stone collapse	interior	3	
176	99	526	240	1	stone collapse	interior	3	
177	99	526	241	1	stone collapse	interior	3	
178	99	526	333	1	collapse	interior	3	
179	99	526	337	1	collapse	interior	3	
180	99	526	337	2	collapse	interior	3	
181	99	526	370	1	fill of a wall	interior	3	
182	99	526	373	1	collapsed wall	interior	3	
183	99	526	392	1	stone collapse	interior	3	
184	99	526	412	1	fill of a mudbrick pit	interior	3	
185	99	526	515	4	fill of a pit	interior	3	
186	99	526	609	7	fill of the room 220	interior	4	
187	99	526	626	1	collapsed stones	interior	4	
188	99	526	661	1	fill of a pit, mudbrick fragments	interior	4	
189	99	526	694	1	fill of a pit	interior	4	
190	108	522	3	5	topsoil	exterior	0	
191	108	522	8	5	fill		0	
192	108	522	11	6	fill		1	

ID	ML	AN	AE	CN	SN	Context	Location	Phase
193	108	522	18	7	road		exterior	2 1
194	108	522	34	6	fill of circular feature			1
195	108	522	42	8	fill			1
196	108	522	47	1	rubble near wall			1
197	108	522	53	3	fill of a circular feature on a large vessel			1
198	108	522	60	5	fill of a circular feature			1
199	108	522	72	5	fill in large vessel			1
200	108	522	73	5	rubble near a circular feature			1
201	109	523	3	4	cleaning of topsoil			0
202	109	523	3	83	cleaning of topsoil			0
203	109	523	4	7	topsoil			0
204	109	523	4	10	topsoil			0
205	109	523	4	424	topsoil			0
206	109	523	4	425	topsoil			0
207	109	523	4	426	topsoil			0
208	109	523	4	427	topsoil			0
209	109	523	4	429	topsoil			0
210	109	523	4	430	topsoil			0
211	109	523	15	1	modern rock pile			0
212	109	523	16	1	modern rock pile			0
213	109	523	17	1	modern rock pile			0
214	109	523	18	1	modern rock pile			0
215	109	523	19	1	modern rock pile			0
216	109	523	20	1	modern rock pile			0

ID	ML	AN	AE	CN	SN	Context	Location	Phase
217	109	523	22	1	modern rock pile		0	
218	109	523	24	1	modern rock pile		0	
219	109	523	26	1	modern rock pile		0	
220	109	523	28	1	modern rock pile		0	
221	109	523	29	1	modern rock pile		0	
222	109	523	30	1	modern rock pile		0	
223	109	523	34	1	rock pile		0	
224	109	523	35	1	rock pile		0	
225	109	523	36	1	rock pile		0	
226	109	523	37	1	rock pile		0	
227	109	523	38	1	rock pile		0	
228	109	523	40	1	rock pile		0	
229	109	523	42	1	rock pile		0	
230	109	523	43	1	rock pile		0	
231	109	523	44	1	rock pile		0	
232	109	523	46	1	rock pile		0	
233	109	523	88	1	rubble in circular feature		1	
234	109	523	92	1	fill between walls 54 and 56, lying near wall	interior	1	
235	109	523	101	1	fill in the south part, bellow topsoil	interior	1	
236	109	523	103	1	fill in the south part, bellow topsoil	interior	1	
237	109	523	112	1	fill in the south part, bellow topsoil	interior	1	
238	109	523	116	1	fill in the south part, bellow topsoil	interior	1	
239	109	523	117	1	fill in the south part, bellow topsoil	interior	1	
240	109	523	117	2	fill in the south part, bellow topsoil	interior	1	

ID	ML	AN	AE	CN	SN	Context	Location	Phase
241	109	523	117	3	fill in the south part, bellow topsoil	interior	1	
242	109	523	132	1	fill of a room	interior	1	
243	109	523	133	1	fill of a room	interior	1	
244	109	523	146	1	fill around large broken vessel	exterior	1	
245	109	523	152	1	fill between walls, trash corridor	exterior	1	
246	109	523	153	1	fill between walls, trash corridor	exterior	1	
247	109	523	158	1	rubble between walls, trash corridor	exterior	1	
248	109	523	159	1	rubble between walls, trash corridor	exterior	1	
249	109	523	160	1	rubble between walls, trash corridor	exterior	1	
250	109	523	167	1	rubble from a room	interior	1	
251	109	523	193	1	rubble by a wall	interior	1	
252	109	523	194	1	rubble by a wall	interior	1	
253	109	523	260	8	fill of outdoor area in the SW corner	exterior	3	
254	109	523	279	1	interior of the corridor in the central building	interior	3	
255	109	523	280	1	interior of the central building, near a pithos	interior	0	
256	109	523	287	1	rubble in the corner	interior	1	
257	109	523	310	1	fill of the building 226, near a circular mudbrick feature	interior	3	
258	109	523	311	1	fill of the building 226, near a circular mudbrick feature	interior	3	
259	109	523	361	1	fill of rubble, around cooking vessels and bones of fishes	interior	2 e	
260	109	523	364	1	part of collapsed wall	interior	2 e	
261	109	523	365	1	part of collapsed wall	interior	2 e	
262	109	523	366	1	rubber in corner, around ceramic and bones	interior	2 e	
263	109	523	372	1	support of a circular feature	exterior	2	
264	109	523	379	1	part of a collapsed wall in the building 227	interior	2 e	

ID	ML	AN	AE	CN	SN	Context	Location	Phase
265	109	523	380	1	part of a collapsed wall in the building 227	interior	2 e	
266	109	523	381	1	part of a collapsed wall in the building 227	interior	2 e	
267	109	523	383	1	removal of a wall	interior	2 e -3 l	
268	109	523	400	1	fill of the building 227 with firing installation, probably devoted to processing food	interior	3 l - e	
269	109	523	401	1	fill of the building 227 with firing installation, probably devoted to processing food	interior	3 l - e	
270	109	523	402	1	fill of the building 227 with firing installation, probably devoted to processing food	interior	3 l - e	
271	109	523	405	1	fill of the building 227 with firing installation, probably devoted to processing food	interior	3 l - e	
272	109	523	406	1	fill of the building 227 with firing installation, probably devoted to processing food	interior	3 l - e	
273	109	523	407	1	fill of the building 227 with firing installation, probably devoted to processing food	interior	3 l - e	
274	109	523	408	1	fill of the building 227 with firing installation, probably devoted to processing food	interior	3 l - e	
275	109	523	419	1	fill of a corridor 236, around chipped industry	exterior	3 l	
276	109	523	430	1	fill of the S part of building 227	interior	3 e	
277	109	523	445	1	floor deposit in the main room 227, near firing installation, probably food processing	interior	3	
278	109	523	448	1	floor deposit in the main room 227, near firing installation, probably food processing	interior	3	
279	109	523	451	1	floor deposit in the main room 227, near firing installation, probably food processing	interior	3	
280	109	523	455	1	floor deposit in the main room 227, near firing installation, probably food processing	interior	3	
281	109	523	456	1	floor deposit in the main room 227, near firing installation, probably food processing	interior	3	
282	109	523	461	1	floor deposit in the main room 227, near firing installation, probably food processing	interior	3	
283	109	523	478	1	floor deposit in the building 226, near a fired earthen feature	interior	3 e	
284	109	523	523	1	part of a wall collapse	interior	3	
285	109	523	526	1	fill in the antechamber	interior	3	
286	109	523	531	1	part of a wall collapse	interior	3	
287	109	523	532	1	part of a wall collapse	interior	3	
288	109	523	541	1	part of a collapsed wall	interior	3 e	

<b>ID ML</b>	<b>AN</b>	<b>AE</b>	<b>CN</b>	<b>SN</b>	<b>Context</b>	<b>Location</b>	<b>Phase</b>
289	109	523	545	1	fill between walls	interior	4
290	109	523	550	1	fill between walls	interior	4

## **Aphrodisias database**

Data for the database was collected from the publication Joukowsky 1986a (text) and 1986b b (catalogue). The dimensions of the artifacts are in cm: maximal length (**L**), maximal width (**W**), maximal thickness (**ThA**).

ID	Cat Nr	Trench	Complex	Context	Dating	Group	Category	Raw material	Part	L	W	ThA	Photo
1	485.9	Acropolis 5	C		MBA	grinding tools		serpentinite		12	10	8	0
2	670v	Acropolis 7	D		MBA	grinding tools		schist		27	18	10	0
3	682.19	Acropolis 7	D		MBA	grinding tools		serpentinite	fragment	10	9	5	1
4	682.20	Acropolis 7	D		MBA	grinding tools		serpentinite	fragment	11	7	6	1
5	682bb	Acropolis 7	D		MBA	grinding tools	grinding stone	conglomerate	fragment	20	21	7	473.52
6	682cc	Acropolis 7	D		MBA	grinding tools	grinding stone	conglomerate	fragment	20	21	7	473.68
7	698.12	Acropolis 7	D		MBA	grinding tools		serpentinite	fragment	14	9	10	1
8	699.5	Acropolis 7	D		MBA	grinding tools		serpentinite	fragment	12	8	9	1
9	699dd	Acropolis 7	D		MBA	grinding tools		serpentinite		13	9	9	0
10	699z	Acropolis 7	D		MBA	grinding tools	grinding stone	garnet schist	whole	26	15	5	473.56
11	700aa	Acropolis 7	D		MBA	grinding tools	grinding stone	schist	whole	40	13	6	473.63
12	700ff	Acropolis 7	D		MBA	grinding tools	grinding stone	basalt	whole	29		5	473.62
13	701.13	Acropolis 7	D		MBA	grinding tools		garnet schist		18	14	2	0
14	703.15	Acropolis 7	D		MBA	grinding tools		schist		28	9	4	0
15	704gg	Acropolis 7	D	near wall A	MBA	grinding tools	lower grinding stone	garnet schist	whole	43	19	13	473.58
16	704hh	Acropolis 7	D	near wall A	MBA	grinding tools	lower grinding stone	schist		54	3	9	473.60
17	706dd	Acropolis 7	D		MBA	grinding tools	grinding stone	basalt	whole	23	13	4	473.53
18	706a ee	Acropolis 7	D		MBA	grinding tools		marble	fragment	28	29	11	473.65
19	713.11	Acropolis 7	D		MBA	grinding tools	grinding stone	serpentinite	fragment	18	14	4	473.57
20	714jj	Acropolis 7	D		MBA	grinding tools	lower grinding stone	garnet schist	fragment	43	9	13	473.66
21	721kk	Acropolis 7	D	pit	MBA	grinding tools	grinding stone	basalt	fragment	29	21	5	473.61
22	730.11	Acropolis 7	D	pit	MBA	grinding tools		serpentinite	fragment	11	7	6	474.5
23	735nn	Acropolis 7	D		MBA	grinding tools	grinding stone	garnet schist	whole	35	21	10	473.67
24	737mm	Acropolis 7	D		MBA	grinding tools	grinding stone	basalt	fragment	24	14	6	473.54



ID	Cat Nr	Trench	Complex	Context	Dating	Group	Category	Raw material	Part	L	W	ThA	Photo
25	737mn	Acropolis 7	D		MBA	grinding tools	grinding stone	basalt	fragment	23	15	5	473.51
26	739oo	Acropolis 7	D		MBA	grinding tools	grinding stone	basalt	fragment	23	4	4	473.59
27	620i	Acropolis 7	B'		MBA	grinding tools	grinding stone	quartzite	fragment	31	18	8	484.20
28	622j	Acropolis 7	B		MBA	grinding tools	grinding stone	schist	fragment	23	12	62	484.19
29	627cc	Acropolis 7	B	near wall D	MBA	grinding tools		serpentinite	fragment	12	10	6	481.36
30	627ee	Acropolis 7	B	near wall D	MBA	grinding tools		schist	fragment	12	8	4	481.40
31	627l	Acropolis 7	B	near wall D	MBA	socket stone	socket stone	marble	whole	33	19	21	481.41
32	627x	Acropolis 7	B	near wall D	MBA	grinding tools	grinding stone	basalt	fragment	32	29	5	484.7
33	628k	Acropolis 7	B'		MBA	socket stone	socket stone	marble	whole	30	21	9	481.8
34	648m	Acropolis 7	B	near wall D	MBA	grinding tools	grinding stone	conglomerate	whole	42	30	8	481.38
35	648n	Acropolis 7	B	near wall D	MBA	grinding tools	grinding stone	schist	fragment	28	16	3	481.35
36	648o	Acropolis 7	B	near wall D	MBA	socket stone	socket stone	schist	whole	27	22	12	481.45
37	653q	Acropolis 7	C	between walls G and E	MBA	socket stone	socket stone	marble	whole	19	23	9	481.50
38	654s	Acropolis 7	C		MBA	socket stone	socket stone	marble	whole	19	22	8	481.46
39	662u	Acropolis 7	C		MBA	grinding tools	grinding stone		fragment	38	15	8	481.43
40	670v	Acropolis 7	C		MBA	socket stone	socket stone		whole				1
41	671w	Acropolis 7	B		MBA	socket stone	socket stone	marble	whole	25	19	8	1
42	672x	Acropolis 7	C	near pithos outside megaron	MBA	grinding tools	grinding stone	basalt	fragment	29	32	50	250.3
43	695y	Acropolis 7	C		MBA	grinding tools	grinding stone	schist	fragment	48			481.31
44	715ii	Acropolis 7	B		MBA	grinding tools		schist		16	10	2	0
45	657p	Acropolis 7	C, C', B, B'		MBA	socket stone	socket stone	schist	whole	4	36	8	1
46	552.2	Acropolis 7	A-4 to A-1		MBA	grinding tools		basalt		10	8	4	0
47	575.10	Acropolis 7	A-4 to A-1		MBA	grinding tools		garnet schist	fragment	14	13	5	0
48	575.107	Acropolis 7	A-4 to A-1		MBA	grinding tools		marble	fragment	15	6	4	0

ID	Cat Nr	Trench	Complex	Context	Dating	Group	Category	Raw material	Part	L	W	ThA	Photo
49	2182A.1	Acropolis 8	A4 phase III		LBA	grinding tools	mortar	marble	fragment	12	8	5	0

## Troy database

Data for the database were collected from the chapter about grinding tools (Pieniążek 2020, 871–881) in the monograph about the Troy in the Late MBA and LBA (Pernicka *et al.* 2020). The dimensions of the artifacts are in cm: maximal length (**L**), maximal width (**W**), maximal thickness (**ThA**); and g: weight (**M**). The development of the working surface (concave, convex, straight) in the longitudinal (**LWS**) and transverse cross section (**TWS**) was sometimes also noted.

I D	Cat Nr	Group	Category	Context	Area	Phases	Dating	Description	Raw material	Part	LWS	TWS	L	W	Th A	M
1	A07.1464	grinding tools	grinding stone	A07.1460	A07	VI a	MBA	destruction layer		fragment	concave	convex	16,3	18,5	5,5	2400
2	A08.1284	grinding tools	grinding stone	A08.1290	A08	VI (Middle)	LBA1	pit		fragment		straight	18,5	14,4	8,3	3000
3	A08.1335	grinding tools	grinding stone	A08.1329	A08	VI (Middle)	LBA1	house	basalt	whole		straight	20,9	16,3	5,7	3000
4	A08.1387	grinding tools	grinding stone	A08.1381	A08	VIb	LBA1	pit	granite	fragment			12,5	8,5	4,7	770
5	D08.0526	grinding tools	grinding stone	D08.0520	D08	VI (E-M)	LBA1	filling layer		half	concave		20			
6	D08.1641	grinding tools	grinding stone	D08.1635	D08	VI e/f	LBA1	filling layer		whole	concave		25,5	17,8	10,9	6000
7	E08.0353	grinding tools	grinding stone	E08.0351	E08	VIIb2	LBA3	older floor with fire remains in the room G		whole		straight	28	8,5	4,4	2000
8	E08.0514	grinding tools	grinding stone	E08.509	E08	VIIb	LBA3	small wall in storage room I		fragment						
9	E09.0963	grinding tools	mortar ?	E09.0961	E09	VIIb	LBA3	filling of pit and wall 15369	conglomerate	whole			13,4	13,3	6,5	1285
10	E09.1141	grinding tools	grinding stone	E09.1141	E09	VIIa (L)	LBA2	burned layer	conglomerate	whole	convex		21,5	18,9	5,4	3000
11	E09.1190	grinding tools	grinding stone	E09.1190	E09	VIIa (L)	LBA2	destruction on the floor in the room B		whole	concave	concave	33			9500
12	E09.1202	grinding tools	grinding stone	E09.1203	E09	VIIb1	LBA3	destruction in the room B	limestone		concave		57			
13	E09.1249	grinding tools	grinding stone	E09.1245	E09	VIIa	LBA2	filling layer near the citadel			concave		51			
14	EF10.601	grinding tools	grinding stone	EF10.0599	EF10	LBA (VI M-L)	LBA	filling layer under stone pavement	limestone	half		convex	19	18,5	5,3	
15	EF10.602	grinding tools	mortar	EF10.0599	EF10	LBA (VI M-L)	LBA	filling layer under stone pavement	limestone				14,7	13,9	6,2	2600
16	EF10.603	grinding tools	mortar	EF10.0599	EF10	LBA (VI M-L)	LBA	filling layer under stone pavement		whole			12,1	10,6	3,5	500
17	EF10.604	grinding tools	grinding stone	EF10.0599	EF10	LBA (VI M-L)	LBA	filling layer under stone pavement	limestone		concave	convex	17,5	15,3	3,2	1300

I D	Cat Nr	Group	Category	Context	Area	Phases	Dating	Description	Raw material	Part	LWS	TWS	L	W	Th A	M
18	EF10.608	grinding tools	mortar	EF10.0606	EF10	LBA (VI M-L)	LBA	destruction layer		whole			19,7	17,5	10	3160
19	I08.0024	grinding tools	mortar	I08.0021	I08	VI M-L	LBA	filling layer	conglomerate	half			17,5	15,4	6,2	
20	I08.0084	grinding tools	mortar ?	I08.0081	I08	VI M-L	LBA	settlement layer					21,8	17,3	7,9	
21	I08.0106	grinding tools	grinding stone	I08.0103	I08	VI L - VIIa	LBA2	filling layer			concave	concave	13,4	9,1	5,1	780
22	K04.0583	grinding tools	grinding stone	K04.0579	K04	LBA (VIIa-VIIb)	LBA	destruction in room 12				convex	25,1	19,5	9,4	6000
23	K04.0584	grinding tools	grinding stone	K04.0579	K04	LBA (VIIa-VIIb)	LBA	destruction in room 12				convex	24,5	18,3	11,5	1000
24	K04.0925	grinding tools	grinding stone	K04.0921	K04	VIIb	LBA3	fill of well		fragment	straight	straight	8,8	3,6	1,3	83
25	K04.0936	grinding tools	grinding stone	K04.0934	K04	VIIb	LBA3	fill of well in NE Bastion		fragment			12,1	9	4,9	700
26	K04.085	grinding tools	grinding stone	K04.1080	K04	VI L (h)	LBA2	fill of NE bastion	andesite	fragment			14,7	11	8,3	2000
27	K17.1439.02	grinding tools	grinding stone	K17.1437	K17	VI L (h)	LBA2	stone pavement		fragment			7,8	4,7	1,3	123
28	KL16/17.0601	grinding tools	grinding stone	KL16/17.0601	K16/17	VI-VII	LBA	filling layer and pit	basalt	fragment	concave		27,4	13,4	7,7	2600
29	KL16/17.0658.02	grinding tools	grinding stone	KL16/17.0656	K16/17	VI M	LBA1	stone pavement in lower town	trachyte	fragment			4,7	3,8	1,2	37
30	KL16/17.1086	grinding tools	mortar ?	KL16/17.1083	K16/17	VIIa	LBA2	pit near wall	limestone	whole			12	10	3	680
31	y07.0778	grinding tools	mortar	y07.0775	y07	LBA (VI M)	LBA	pithos pit with sandy earth		whole			27	18,5	10,3	5500
32	y07.0924	grinding tools	mortar ?	y07.0921	y07	VI L -VIIa	LBA2	stone pavement		whole			14,9	12,9	5,6	1400
33	y07.0925	grinding tools	grinding stone	y07.0921	y07	VI L -VIIa	LBA2	stone pavement		fragment			13,5	11,2	4,4	900
34	z07.1287	grinding tools	grinding stone	z07.1284	z07	VIIa	LBA2	fill			concave		54			

<b>I D</b>	<b>Cat Nr</b>	<b>Group</b>	<b>Category</b>	<b>Context</b>	<b>Area</b>	<b>Phases</b>	<b>Dating</b>	<b>Description</b>	<b>Raw material</b>	<b>Part</b>	<b>LWS</b>	<b>TWS</b>	<b>L</b>	<b>W</b>	<b>Th A</b>	<b>M</b>
3 5	z07.1313	grinding tools	grinding stone	z07.1313	z07	VI M-L	LBA	fill outside the citadel		half		straight	18,3	17,8	6,4	3010
3 6	z07.1538. 20	grinding tools	grinding stone	z07.1538	z07	VIIa	LBA2	floor		half		straight	17	16,7	5,2	1766
3 7	z07.2291	grinding tools	grinding stone	z07.xxxx	z07	VIIa	LBA2	fill of pit in terrace house	basalt	whole		convex	20	19,5	5,3	3500
3 8	z07.2341	grinding tools	grinding stone	z07.2337	z07	VIIa	LBA2	fill in terrace house		half		straight	12,2	10,3	5,3	1200
3 9	z08.1043	grinding tools	container	z08.1040	z08	VIIa	LBA2	burned layer	limestone	fragment			22,9	14	4,7	2252
4 0	z08.1879	grinding tools	grinding stone	z08.1875	z08	VI L	LBA2	fill in pithos from long house		fragment	concave		11,1	10,3	5,5	
4 6	y07.0752	grinding tools	grinding stone	y07.0743	y07	VI L - VIIa	LBA2	settlement layer		whole		convex	18,7	17,9	6,1	2100