

170:5	488	N1285	Phoenician jug, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, pink to yellow slip. Comment: possibly a local copy of a Phoenician-type jug.	173:3	452	N1273	Storage jar, hard-fired, light brown fabric, multicoloured inclusions, self slip.
170:6	493	-1	Phoenician jug, shoulder sherd, hard-fired, light red fabric, light grey core, fine, pinkish-yellow slip, bichrome decoration in red and black. Comment: possibly same vessel, cf. next figure.	173:4	473	-2	Storage jar, hard-fired, light brown fabric, medium-fine, self slip, brown wash.
170:7	473	-1	Phoenician jug, shoulder sherd, hard-fired, light red fabric, light grey core, fine, pinkish-yellow slip, bichrome decoration in red and black. Comment: see previous figure.	173:5	469	-5	Storage jar, medium-hard-fired, light red fabric exterior, light grey fabric interior, medium-fine, light brownish-orange slip; neck ridge.
170:8	432	-3	Phoenician jug, shoulder sherd, hard-fired, light brown fabric, thick grey core, medium-fine, light yellow slip, bichrome decoration in red and black.	173:6	439	-6	Storage jar, medium-hard-fired, light brown fabric, coarse, black inclusions, light yellowish-brown slip; neck ridge.
170:9	452	N1272	"Pilgrim flask"/globular jug, wheel-made/hand-made, medium-hard-fired, light brownish-yellow fabric, medium-coarse, mainly white inclusions, self slip; decoration in the shape of incised concentric circles in three groups.	173:7	439	-4	Storage jar, hard-fired, yellowish-brown fabric, coarse, multicoloured inclusions, orange slip.
				173:8	502	-2	Storage jar, medium-hard-fired, light brown fabric, coarse, mainly black inclusions, yellowish-brown slip, red wash.
				173:9	500	-5	Storage jar, very hard-fired, grey fabric, medium-coarse, mainly white inclusions, self slip; neck ridge.
				173:10	54	-3	Storage jar, medium-hard-fired, orangish-brown fabric, coarse, grey inclusions, self slip.
				173:11	103	-1	Storage jar, hard-fired, yellowish-brown fabric, yellowish-brown core, medium-coarse, grey and white inclusions, self slip.
				173:12	W183	-1	Storage jar, medium-hard-fired, yellowish-brown fabric, medium-coarse, light brown slip; neck ridge.
				173:13	506	-5	Storage jar, hard-fired, yellowish-brown fabric, coarse, mainly grey and white inclusions, brownish-yellow slip; neck ridge.

Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus	No.	Description
173:1	194	N1114	Storage jar, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip; neck ridge.
173:2	38	-1	Storage jar, hard-fired, brown fabric, dark brown core, coarse, grey and black inclusions, pinkish-orange slip.



Fig. 171 Jug from Phase XIII, Area 7 (N1285, see also Fig. 170:5)



Fig. 172 "Pilgrim flask"/globular jug from Phase XIII, Area 7 (N1272, see also Fig. 170:9)

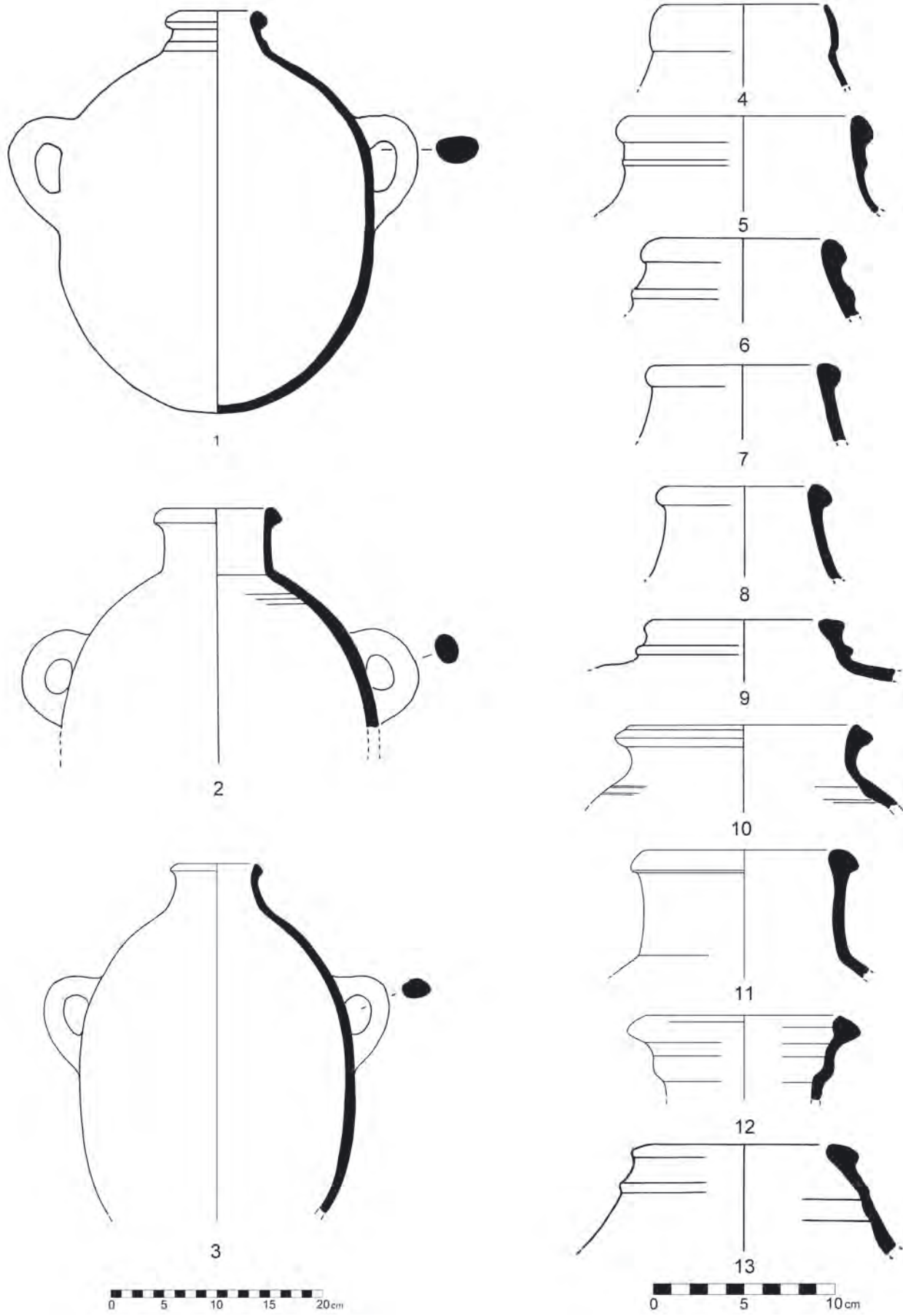


Fig. 173 Pottery from Phase XIII, Area 7

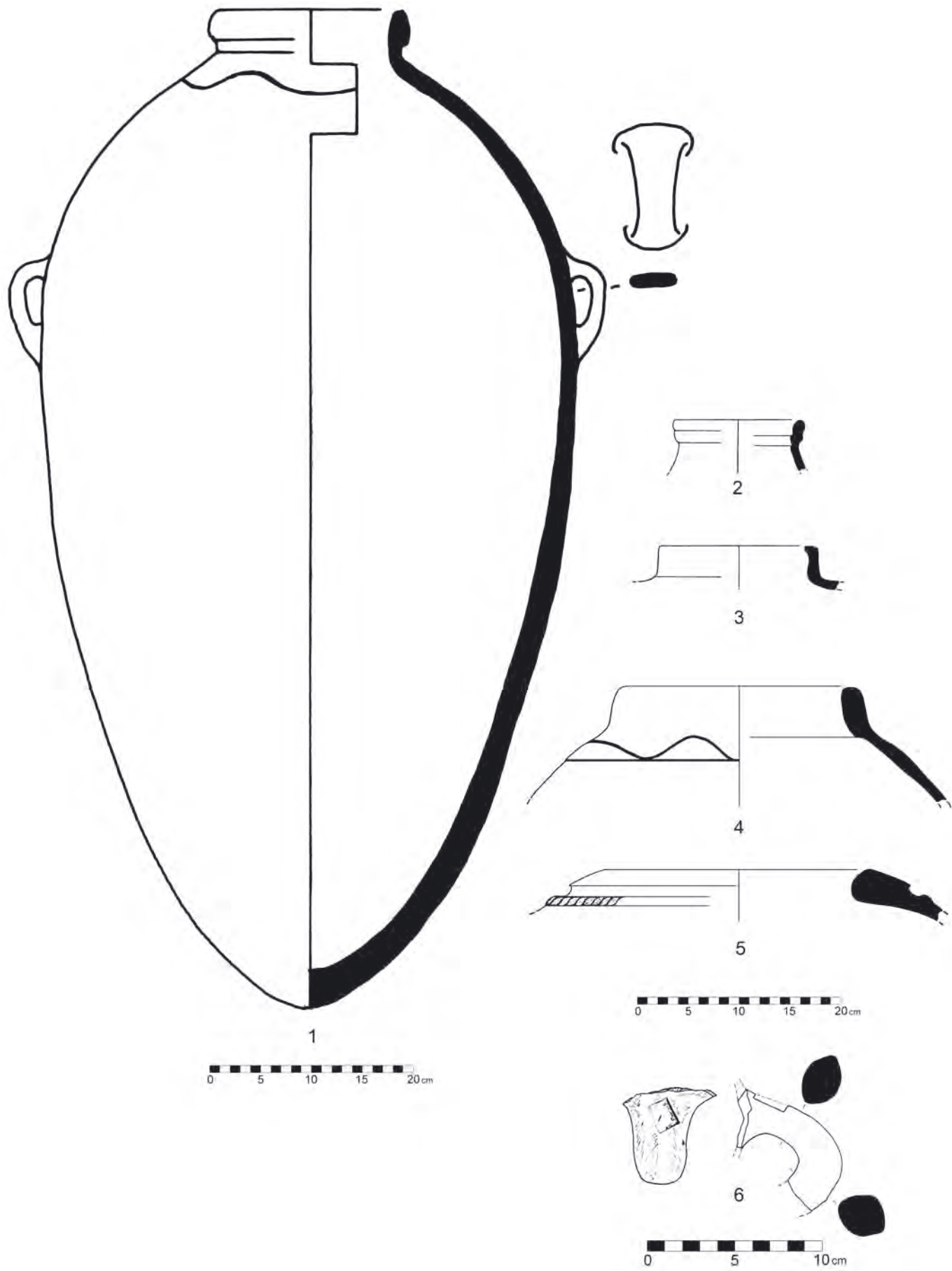


Fig. 174 Pottery from Phase XIII, Area 7

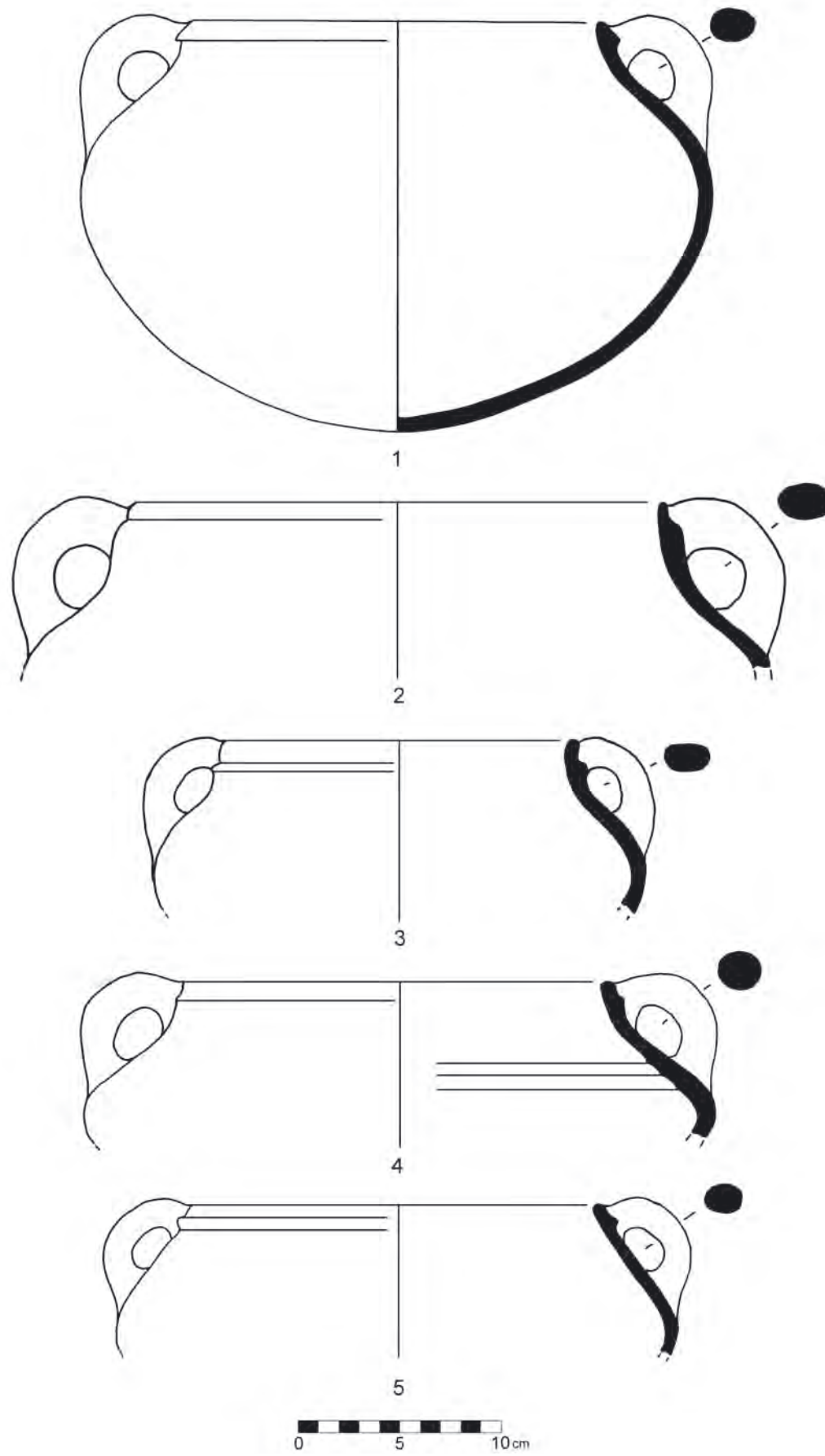


Fig. 175 Pottery from Phase XIII, Area 7

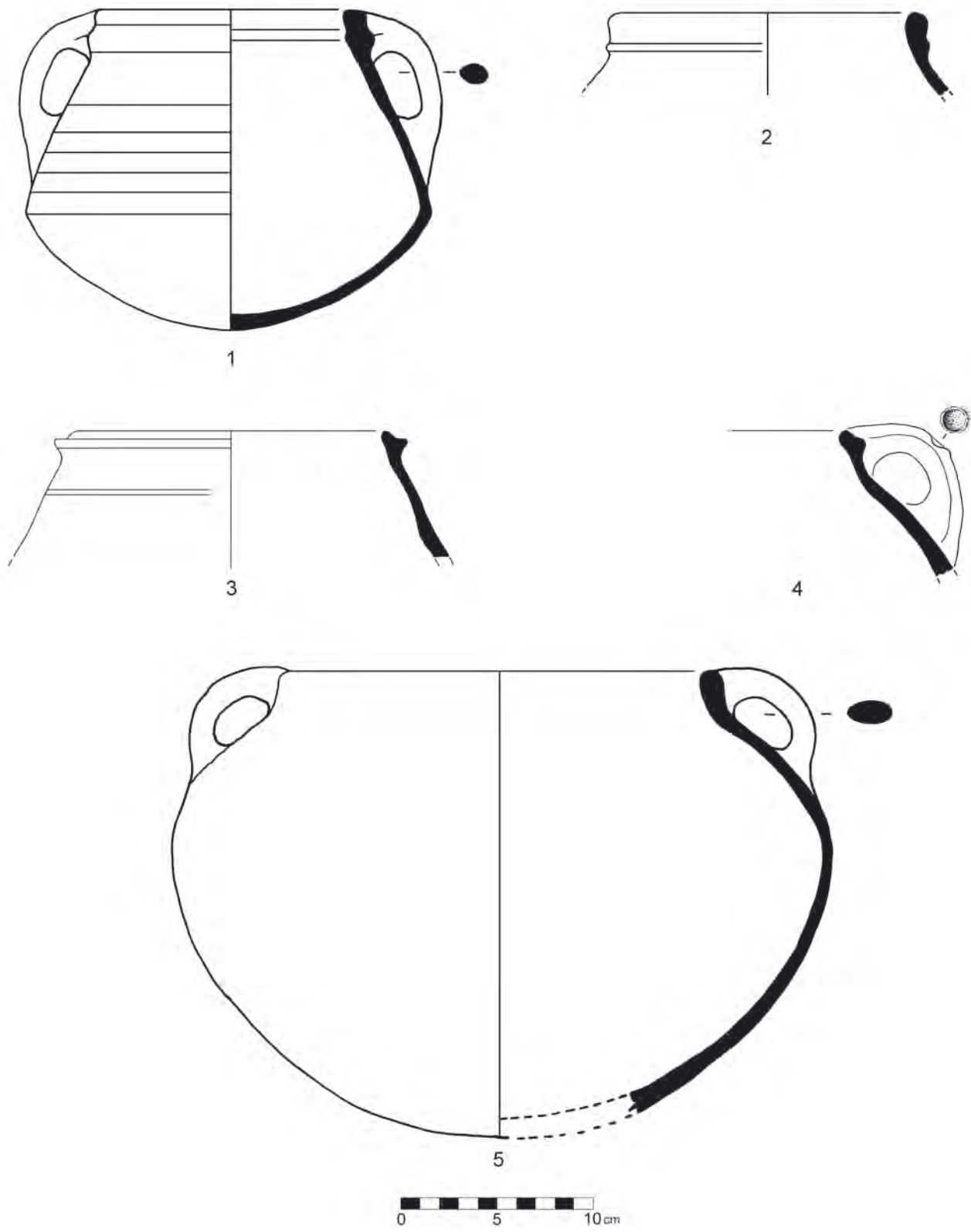


Fig. 176 Pottery from Phase XIII, Area 7

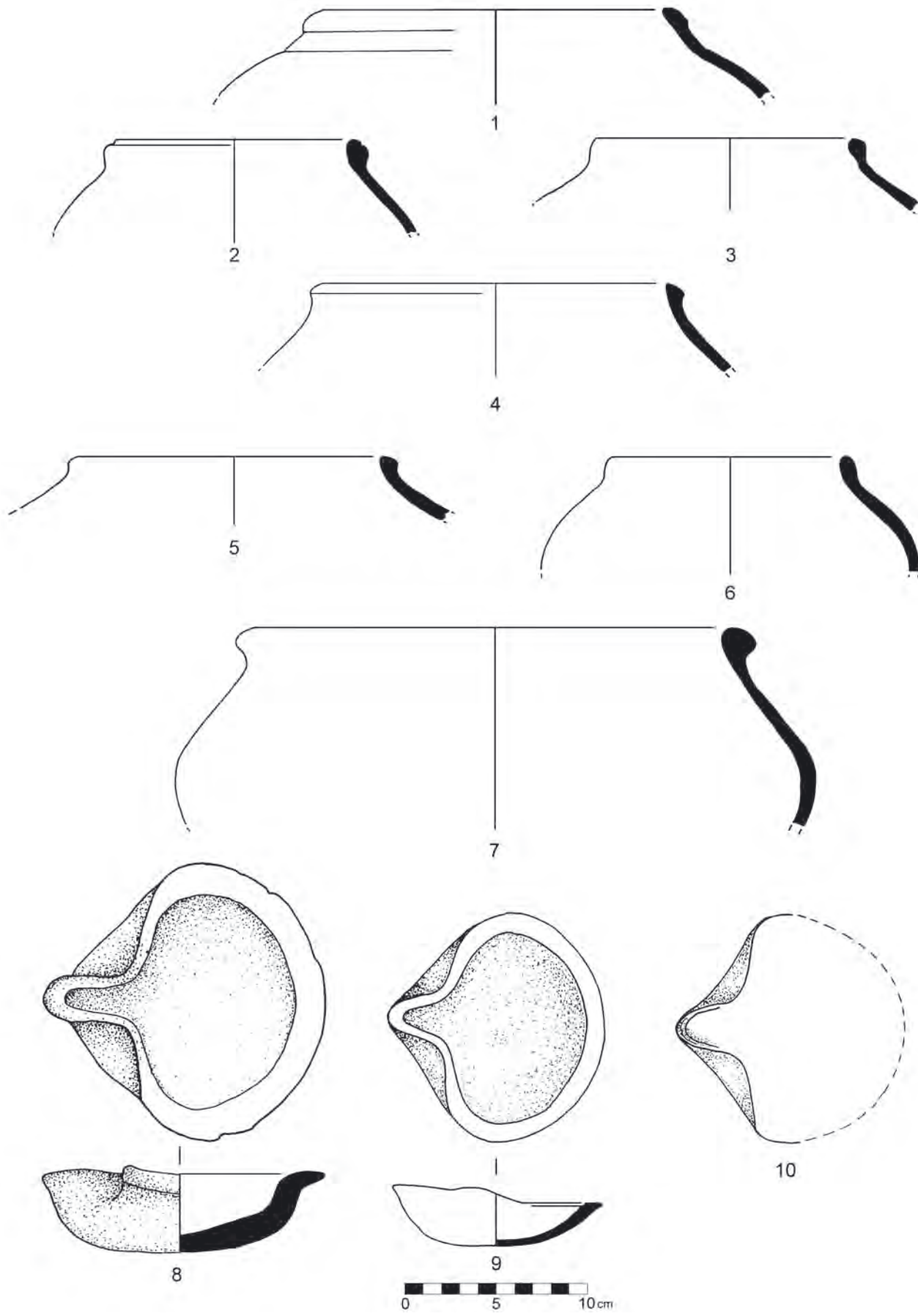


Fig. 177 Pottery from Phase XIII, Area 7

## Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus No.	Description
174:1	515 N1306	Storage jar, hard-fired, light red fabric exterior, grey fabric interior, coarse, mainly white inclusions, self slip; wavy line incision on shoulder.
174:2	499 -1	Storage jar, hard-fired, light brown fabric, medium-fine, a few large grey inclusions, light yellowish-brown slip.
174:3	488 -3	Storage jar, medium hard-fired, grey fabric, medium-coarse, crushed pottery inclusions, light yellowish-red slip; neck ridge.
174:4	515 -1	Storage jar, hard-fired, light reddish-brown fabric, coarse, mainly white inclusions, self slip, remains of a thick white substance; wavy line impression on neck.
174:5	516 -1	Storage jar, hard-fired, light brown fabric, grey core, coarse, multicoloured inclusions, greyish-yellow slip; plastic rope decoration below rim.
174:6	516 -6	Storage jar, handle with seal impression (see Egger and Keel 2006: 278:3, 279:3; see also Fig. 466:5 and Appendix 4)

## Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus No.	Description
175:1	469 N1276	Cooking pot, medium-hard-fired, light reddish-brown fabric, grey core, coarse, mainly white inclusions, self slip.
175:2	500 -6	Cooking pot, hard-fired, red fabric, thick grey core, coarse, mainly white inclusions, self slip.
175:3	446 -1	Cooking pot, medium hard-fired, light greyish-brown fabric, coarse, multicoloured inclusions, self slip.
175:4	492 -1	Cooking pot, soft-fired, light brown fabric, coarse, grey inclusions, reddish-yellow slip.
175:5	488 -1	Cooking pot, medium-hard-fired, greyish brown fabric exterior, dark grey fabric interior, coarse, mainly white inclusions, red slip.

## Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus No.	Description
176:1	194 N1122	Cooking pot, hard-fired, brown fabric, white inclusions, self slip.
176:2	469 -4	Cooking pot, medium-hard-fired, brownish-red fabric, medium-coarse, mainly white inclusions, self slip.
176:3	54 -1	Cooking pot, medium-soft fired, dark brown fabric, coarse, mainly white inclusions, self slip.
176:4	103 -5	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, medium-coarse, white inclusions, self slip.

176:5	169 -1	Cooking pot, hard-fired, reddish-brown fabric, coarse, mainly white inclusions, self slip.
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## Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus No.	Description
177:1	439 -2	Cooking pot, medium-hard-fired, brownish-red fabric, thick grey core, coarse, mainly white and black inclusions, self slip.
177:2	506 -4	Cooking pot, soft-fired, brownish-red fabric, dark grey core, coarse, multicoloured inclusions, self slip.
177:3	507 -1	Cooking pot, hard-fired, brownish-red fabric, coarse, white inclusions, self slip.
177:4	516 -5	Cooking pot, hard-fired, brown fabric, coarse, quartz inclusions, self slip.
177:5	492 -2	Cooking pot, hard-fired, brownish-red fabric, thick dark grey core, coarse, mainly white inclusions, self slip.
177:6	507 -3	Cooking pot, hard-fired, brown fabric, coarse, white inclusions, self slip.
177:7	515 -3	Cooking pot, hard-fired, brown fabric, thick grey core, coarse, white inclusions, self slip.
177:8	194 N1116	Lamp, hard-fired, light brown fabric, medium-coarse, a few large grey inclusions, self slip.
177:9	515 N1317	Lamp, very hard-fired, pinkish-brown fabric, medium-coarse, mainly white inclusions, self slip.
177:10	465 -1	Lamp, very hard-fired, pink fabric, thick light grey core, medium-fine, self slip, traces of soot.



Fig. 178 Lamp from Phase XIII, Area 7 (N1116, see also Fig. 177:8)

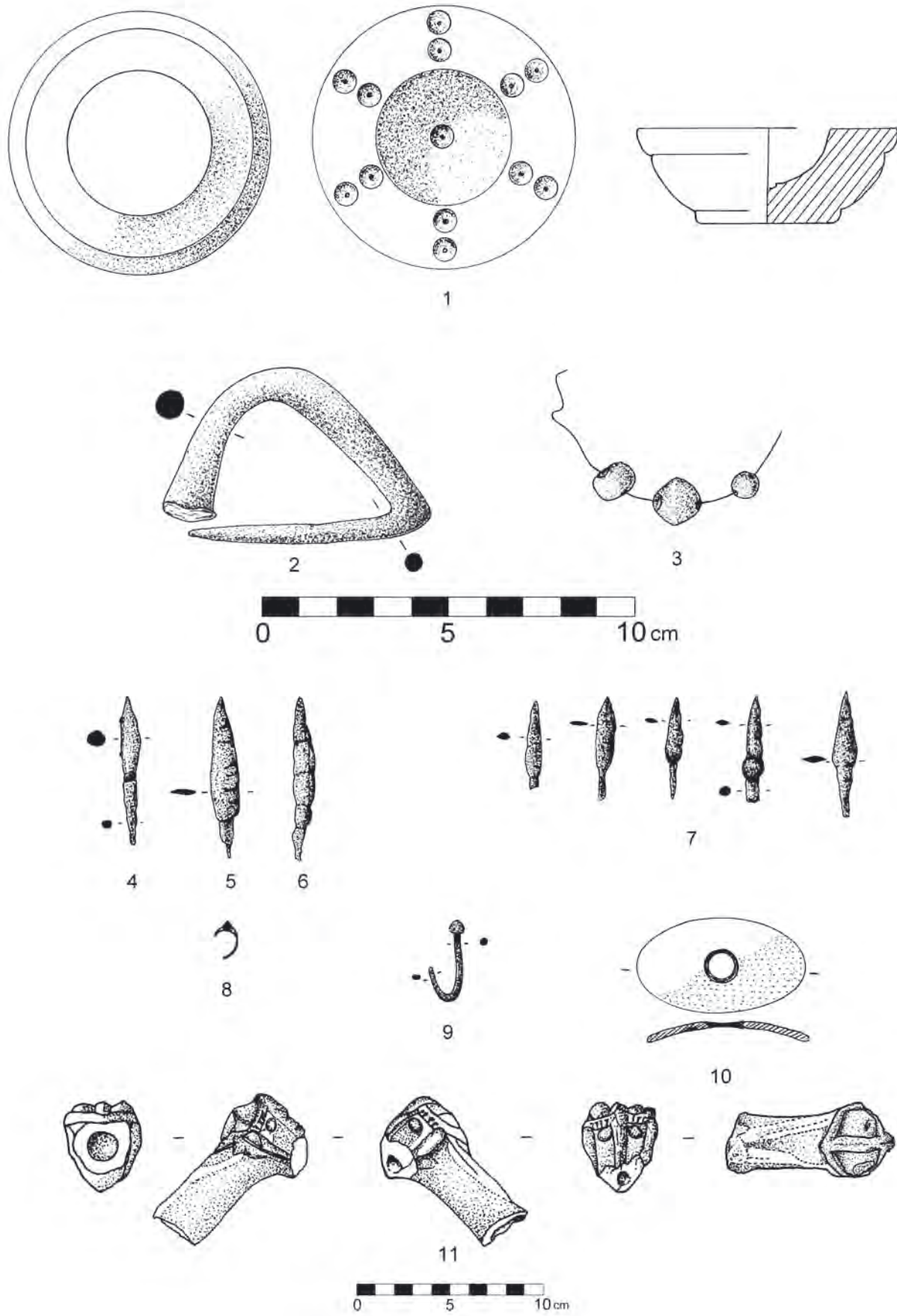


Fig. 179 Finds from Phase XIII, Area 7



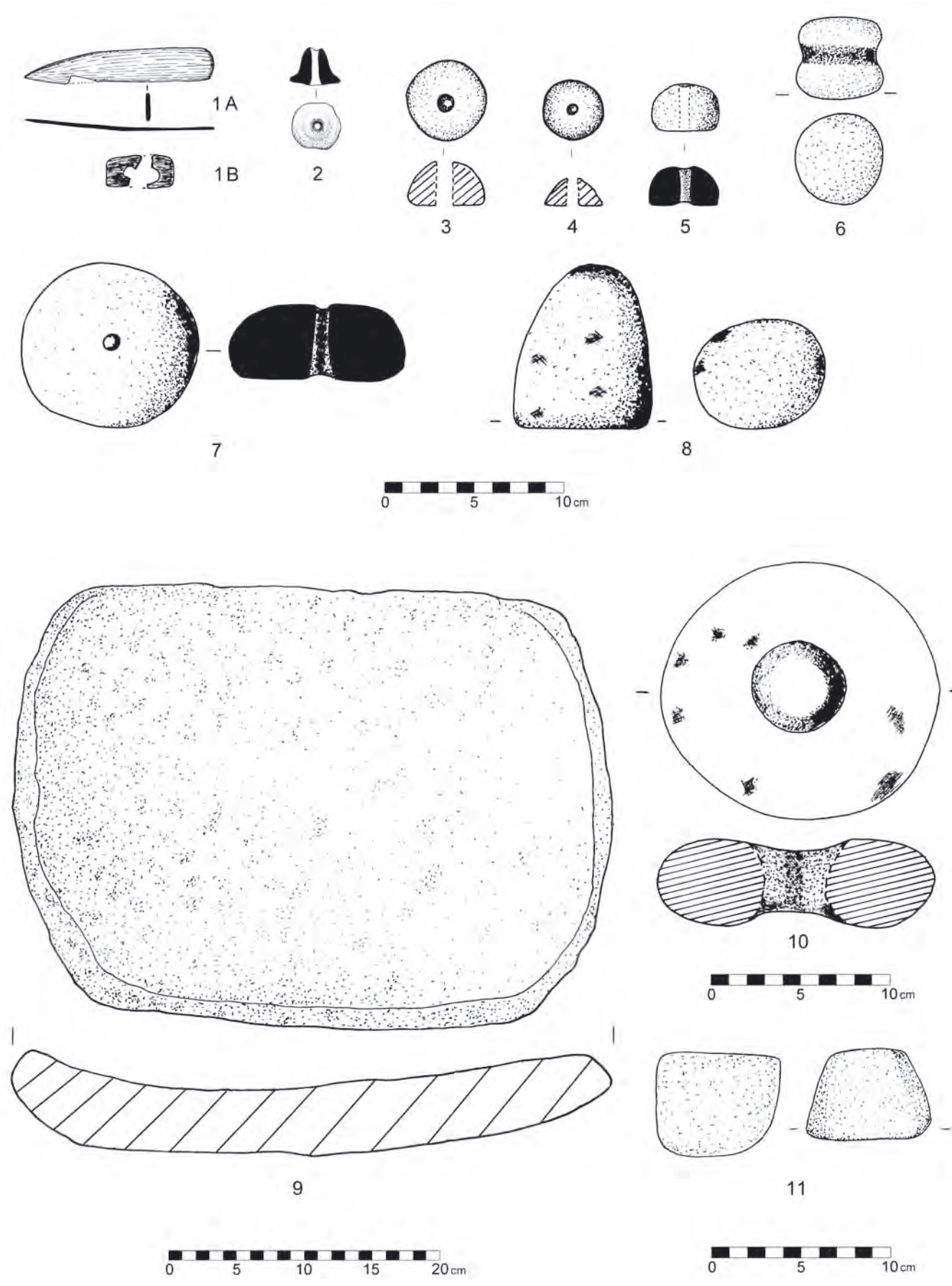


Fig. 180 Finds from Phase XIII, Area 7

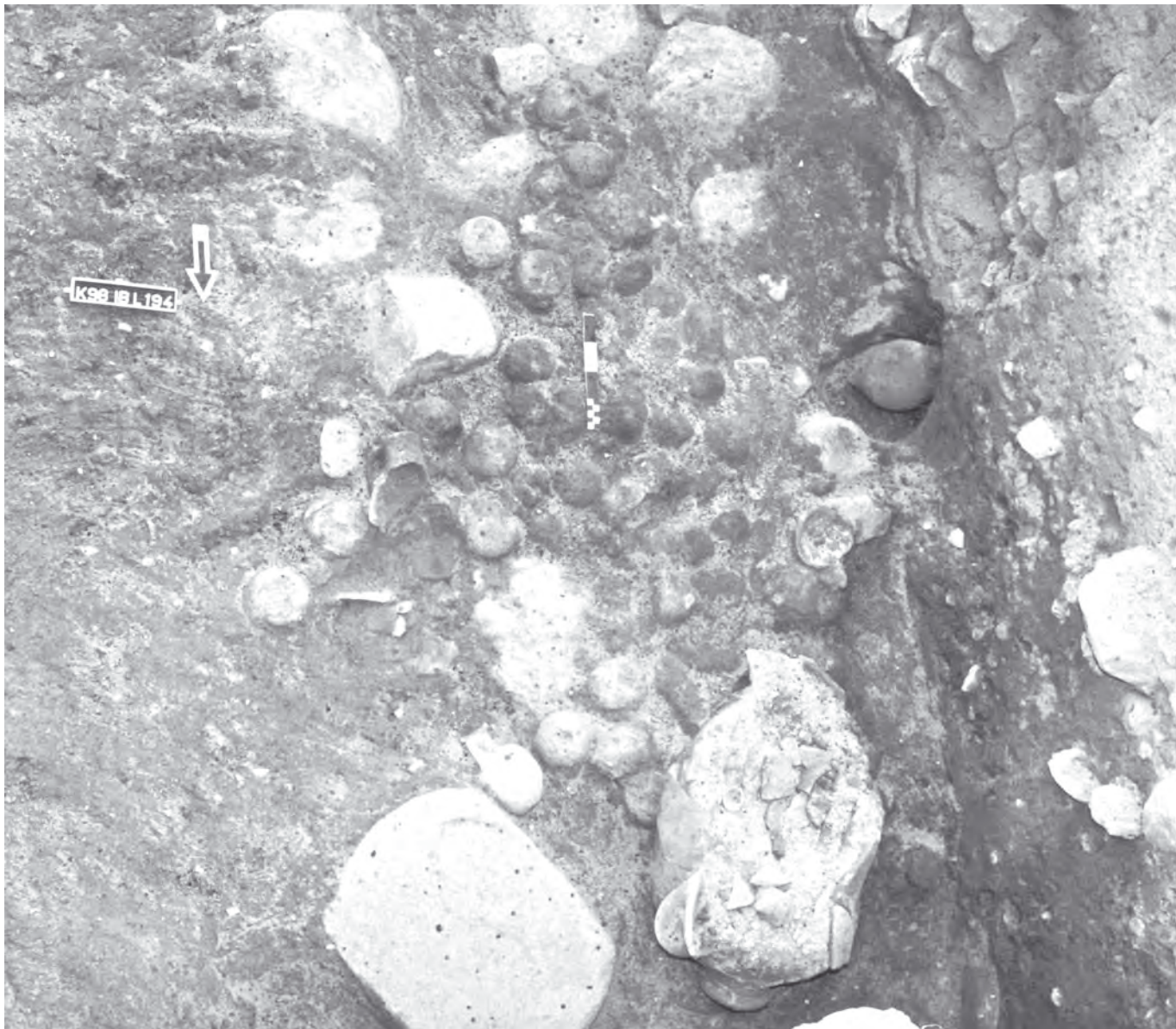


Fig. 181 L194-1: 110 unfired clay loom weights, Phase XIII, Area 7

Legend for the illustrated finds from Phase XIII,  
Area 7

Fig.	Locus	No.	Description
179:1	513	N1314	Cosmetic palette, alabaster, complete but worn, remains of two types of pigments: one of dark red colour in centre, the other of intensive light blue colour in peripheral incisions (see also Figs. 453:9 and 465:2 and Appendix 3).
179:2	432	N1268	Fibula, iron, very corroded, made in one piece.
179:3	447	N1269	Beads, three; from left to right: 1. carnelian, 2. glass, 3. carnelian.
179:4	492	N1291	Arrowhead, iron, complete, corroded.
179:5	516	N1313	Arrowhead, iron, complete, corroded.
179:6	513	N1310	Arrowhead, iron, complete, corroded.
179:7	515	N1320	Arrowheads (5), iron, complete, corroded.
179:8	513	N1305	Earring with knob/crown, broken, copper-base.
179:9	515	N1303	Fishing hook, copper-base.
179:10	493	-2	Tool with centred hole, reused sherd, medium hard-fired, light brown fabric, coarse, mainly grey inclusions, yellow to pink slip, red paint.
179:11	163'	N1093	Rhyton, camel with bridle, wheel-made/hand-made, hard-fired, light brown fabric, grey core, medium-fine, red slip and white paint (see also Figs. 453:1 and 463:1 and Appendix 1).

## Legend for the illustrated finds from Phase XIII, Area 7

Fig.	Locus	No.	Description
180:1A	34	N700	Shuttle, bone, polished due to wear.
180:1B	507	N1300	Tool, bone; textile production related?
180:2	34	-1	Spindle whorl, fired clay, hand-made, greyish-brown fabric, medium-fine, self slip, Wt 14 g.
180:3	194	N1121	Spindle whorl, limestone, polished, Wt 35 g.
180:4	194	N1120	Spindle whorl, limestone, polished, Wt 25 g.
180:5	513	N1302	Spindle whorl, fired clay, hand-made, medium-hard-fired, yellowish-brown fabric, medium-coarse, multicoloured inclusions, self slip, Wt 20 g.
180:6	513	N1301	Loom weight, basalt, Wt 223 g.
180:7	492	N1289	Loom weight, fired clay, hand-made, Wt 586 g.
180:8	514	N1307	Pestle, basalt.
180:9	194	N1113	Millstone, basalt.
180:10	513	N1304	Weight, basalt.
180:11	507	N1315	Polisher, porous basalt.

## Additional finds from Phase XIII, Area 7 (listed, not illustrated)

Locus	No.	Description
34'	N705	Spindle whorl, basalt, d. 4.3, d. of hole 1.1, H 1.8 cm, Wt 47 g.
38	N751	Jug, Phoenician-type, hard-fired, yellowish-brown fabric, darker core, medium-fine, multicoloured inclusions, pinkish-red slip, red and black decoration.
39	N750	Loom weight, unfired clay, d. 7.9, H 6.2, d. of hole 1.4 cm, Wt 280 g.
103	N890	Bowl, rudely hand-made, irregular shape, d. 3.8, H 1.6 cm.
167	N1095	Arrowhead, iron, leaf-shaped, very corroded, L 8, W 1.5 cm.
167	N1096	Nail, iron, very corroded, two pieces, L 5, W 0.5 cm.
439	N1290	Carinated bowl, incomplete, hard-fired, dark red fabric, medium-fine, a few grey inclusions, thick light orangish-red slip, d. 13, H 4.1 cm.
478	N1283	Fibula, bronze/iron, with one bead, <sup>41</sup> L 5, W 2.6, Th 0.6 cm.
488	N1288	Tool, stone, almost spherical, d. 5.5 × 6.2 cm, Wt 339 g.
500	N1292	Pestle, basalt, pyramidal shape, W 5.4, H 5.5 cm, Wt 213 g.
500	N1294	Shuttle, split rib bone, broken, polished due to wear, L 4.2, W 2.8, Th 0.3 cm.
506	N1296	Potter's wheel, lower part (matrix), steatite, traces of wear (polished), L 25, W 17, H 12, d. of hole 7.8, d. of polished part 11.8 cm.
507	N1299	Spindle whorl (?), limestone, disk-shaped, d. 4.1, H 1 cm, Wt 32 g.

<sup>41</sup> Bead-like decoration on bow.

507	N1316	Loom weight, unfired clay, d. 6.4, H 4.6 cm, Wt 171 g.
513	N1308	Pestle/polisher, basalt, cylindrical shape, d. bottom 3.7, d. top 3, H 3.5 cm.
515	N1318	Loom weight, unfired clay, d. 7.5, H 5, d. of hole 2 cm, Wt 265 g.
515	N1319	Pestle, basalt, slightly pyramidal shape, d. bottom 5.8, H 6.6 cm.

**PHASE XIV (Figs. 182–229)****General remarks**

Although many structures were taken over almost unchanged from Phase XIII the principal use of Area 7 shifted in this phase. There are five domestic structures, and a workshop for the production of iron and bronze objects in the easternmost part of what has so far been exposed (Fig. 182). The five domestic buildings to the west of the workshop contained numerous intact or complete objects fairly close to the present surface. The two eastern houses west of the workshop are fairly intact. West of these are two houses which suffered to a considerable extent from erosion: the northern halves of these houses and the city wall have fallen down the steep slope and the present edge of the plateau is now approximately in the mid-part of the preserved structures. The most westerly house is again better preserved. Ash and collapsed parts of the ceilings were found everywhere in the houses, which were apparently destroyed by fire. The find complexes in all the buildings are very rich and many well-preserved and complete objects, a few of them imported, could be retrieved.

**Architecture and features**

The compound east of the five houses is bounded to the north by the stone foundations of a 1.6 m wide wall (W574/575). The date of this wall and the perpendicularly built W573 is problematic: it was certainly used during this period and earlier Iron Age phases but at least W574/575 might date back to the Late Bronze Age as part of the earlier excavated casemate system from various areas (cf. e.g. FISCHER 2006a: 211, fig. 251). The ceramic evidence strengthens this hypothesis: although sherds from the second half of the Iron Age dominate there are sherds from earlier phases of the Iron Age, and from the Late Bronze Age.

W562/576 represents the southern limit of the casemate walls and functions as the northern border of a building complex. The western casemate room is bordered by W574, 573 and 576 (only partly exposed;

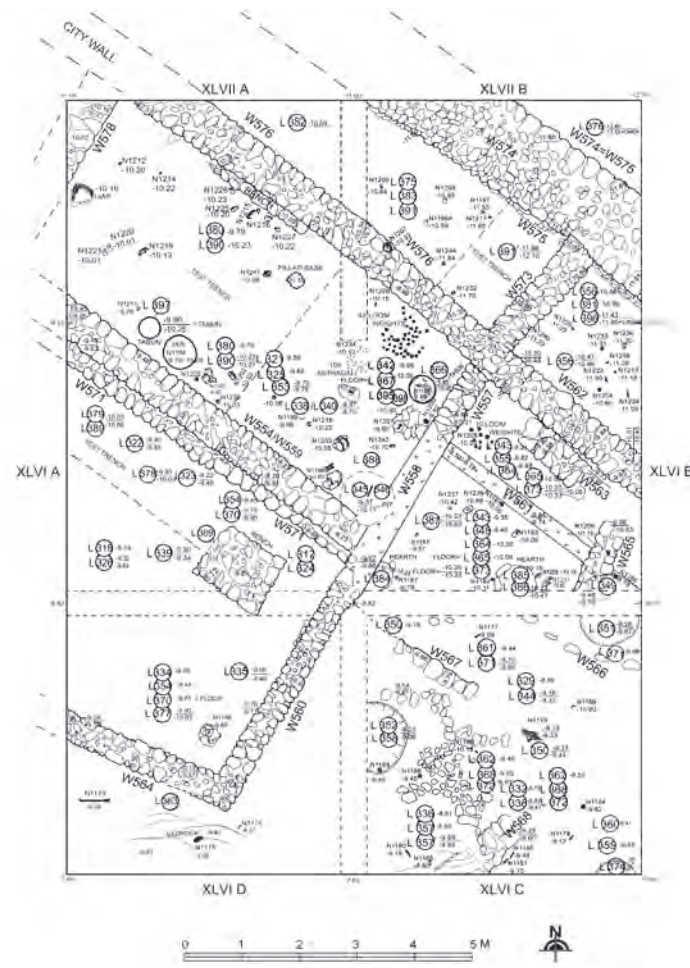


Fig. 182B Plan of Phase XIV, Area 7, Workshop

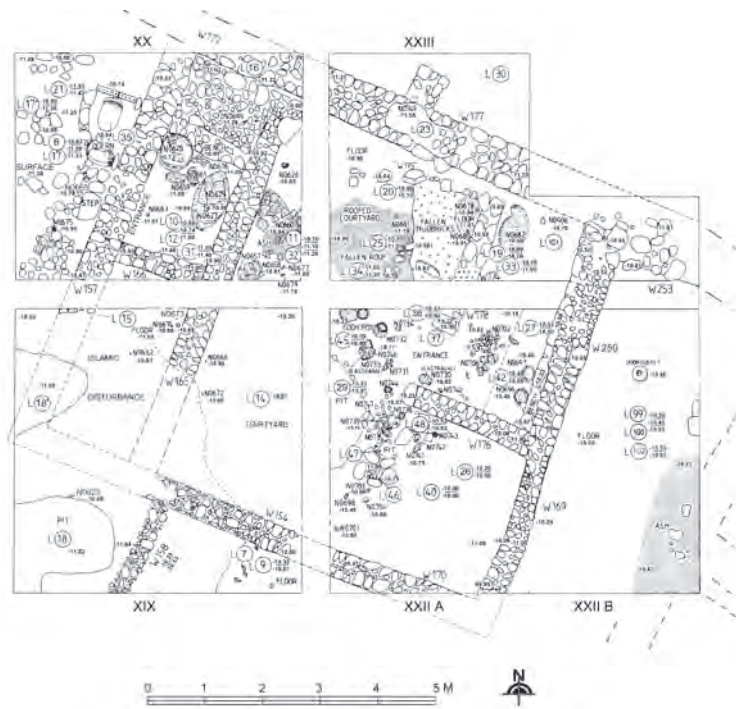


Fig. 182C Plan of Phase XIV, Area 7, House 1

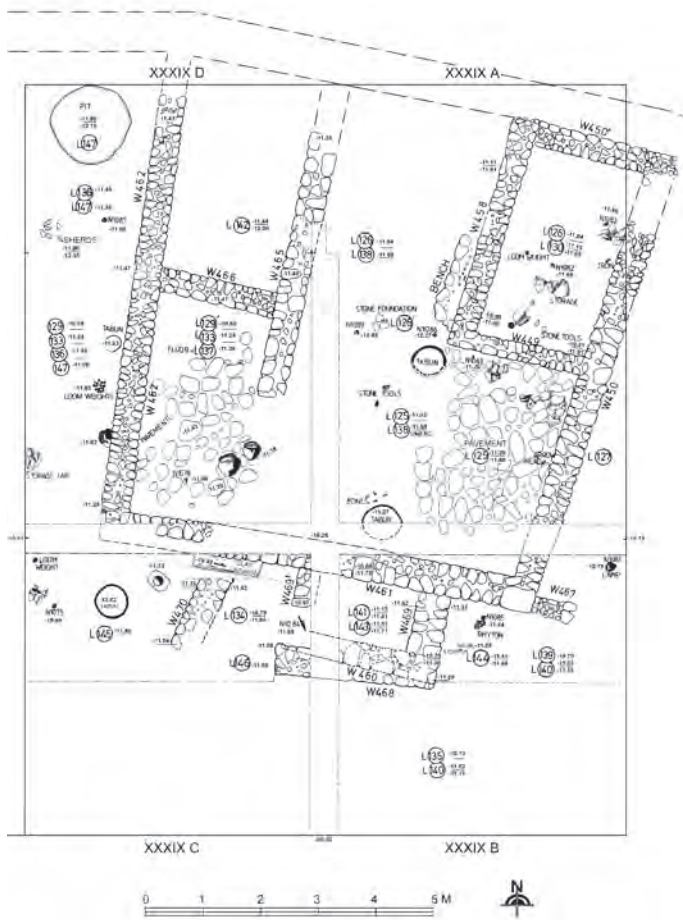


Fig. 182D Plan of Phase XIV, Area 7, House 2

L375, 382, 383, 391) and contained, in addition to textile-production-related tools, two juglets (N1208, N1196A), an earring of bronze (N1197) and a limestone pendant (N1232). The eastern casemate room, which is exposed to a very limited extent, is bordered by W574, 573 and 562 (L356, 381, 396). It contained amongst other finds textile production tools (N1204, N1233, N1224) and a juglet (N1236). There are two roofed spaces in the western part: One is a room to the north-west which is bordered by W578, 576, 557 and 554/559 (L380, 390, 321, 325, 353, 338, 340, 342, 367, 395, 398, 388). It is 7.5 m × 3.5 m in size and crowded with complete vessels and various textile-production-related tools (the latter include N1212, N1218, N1222, N1230, and N1228A comprising 25 loom weights of unfired clay). Amongst the other finds are a krater (N1215), cooking pots (N1216, N1241), a Phoenician juglet with five pseudo-rivets imitating a metal vessel (N1226; Figs. 219:1 and 453:7), three other juglets (N1202, N1220, N1221), a jug (N1227), a lamp (N1190) and a basalt tripod bowl (N1219). A concentration of 108 *astragals* close to the loom weights should be mentioned (N1234). There is a *tabun* which

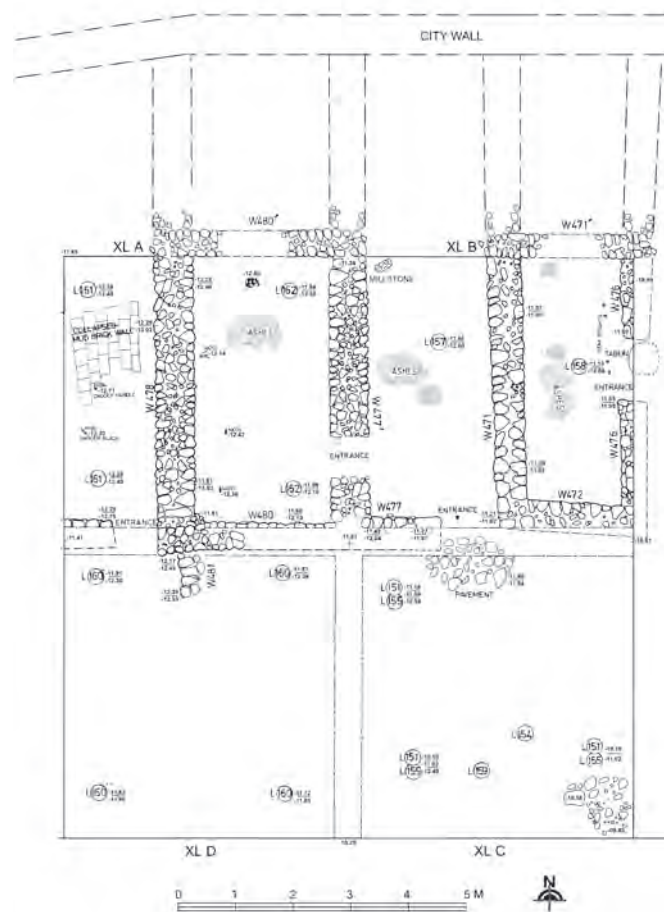


Fig. 182E Plan of Phase XIV, Area 7, House 3

is built against W554 (L397) and another one to the east close to W557 (L366). To the south of the former room is a roofed space of 7.5 m × 5 m (reconstructed), which is bordered by W554/559, 560, 564, 571 (L322, 323, 354, 317, 324, 318, 326, 339, 334, 335, 354, 370, 377; and the loci from the test trench L378, 379, 389). It contains a stone structure approximately one metre square close to its north-eastern corner (L369), maybe a working table reused from the remains of an earlier wall. A krater should be mentioned (N1198).

To the south-east of these two rooms is a partly excavated area which was roofed in its northern part. It is limited by W567, 558/557, 562 and contains a small mudbrick-built dividing wall (W561) which divides the space into two portions: one to the north-east (L355, 364, 365, 373) and one to the south-west (L348, 364, 365, 373, 387). The function of the remains of two additional walls (W563, 565, 566) is not clear. The north-eastern room once more contained 12 loom weights (e.g. N1188, N1205, N1206). The south-western room produced, in addition to more loom weights (N1187, N1191, N1192, N1229), a door socket

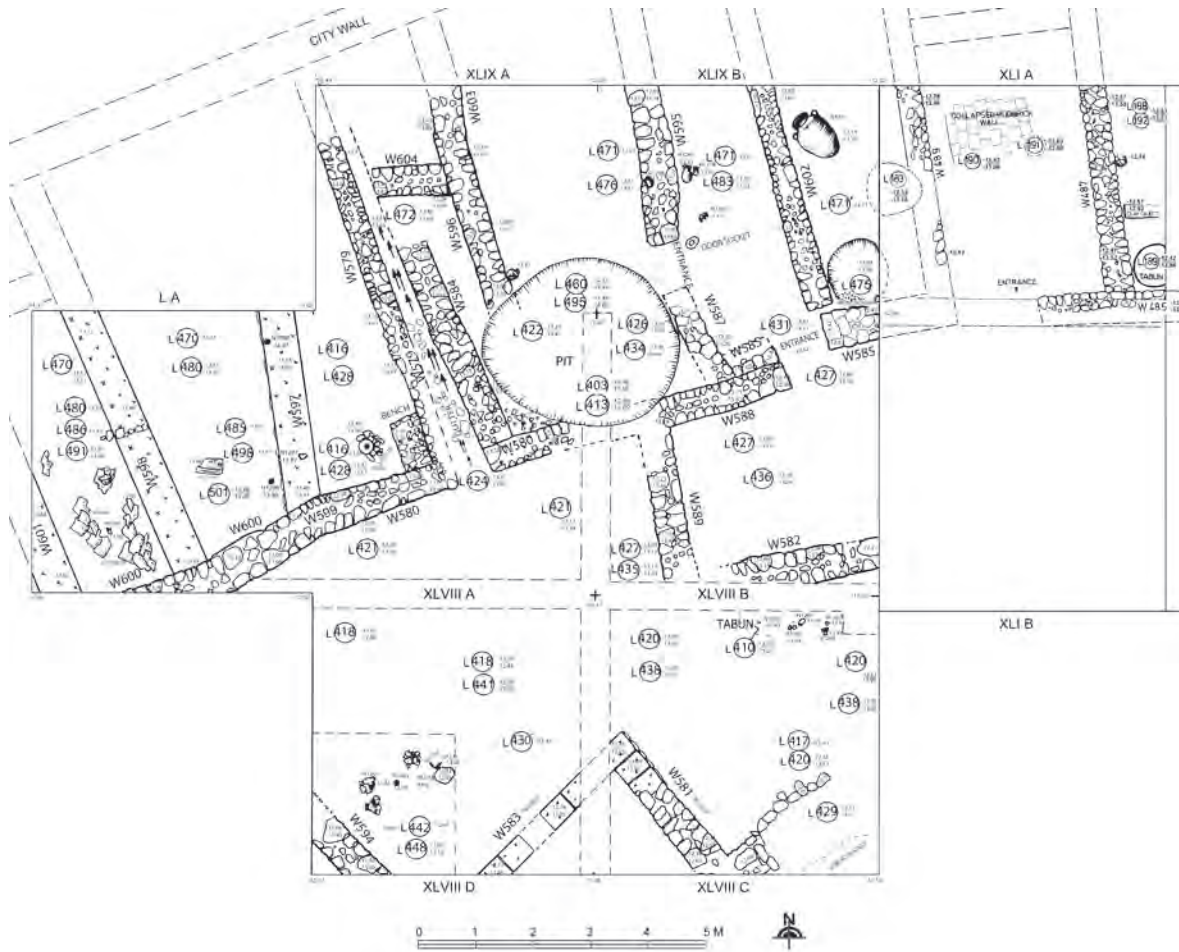


Fig. 182F Plan of Phase XIV, Area 7, Houses 4 and 5

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
154/170	0.5	1.0+	4+			
156	1.0	0.3	1-2			stone filling, pavement
157	0.6	0.6	3-4			rests on soil above W179
158	0.3	0.2	1-2			wall attached to house, annex
164/165	0.5	0.5	3			
166	0.4	0.2	2			
169/250	0.4/0.7	0.95	5			
176	0.4	0.95	4			
177/253	0.8	0.5-07	3			city wall
174/178	0.4	0.7-0.8	3	1		
449	0.4	0.7	3-4			
450	0.6	0.8	4			
450'	0.5	0.8	4			
458	0.5	0.7	3			
460	0.4	0.3	1			wall attached to house, annex

Table 51 Description of the walls of Phase XIV, Area 7

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
461	0.6	1.0	4-5			
462	0.5	0.2	1-2			
465	0.5	0.6	3			
466	0.5	0.6	3			
467	0.3-0.4	0.3	1			wall attached to house, annex
468	0.6	0.3	1			wall attached to house, annex
469	0.6	0.3	1			wall attached to house, annex
469'	0.4	0.3	1			wall attached to house, annex
470	0.5	0.2	1			wall attached to house, annex
471	0.5-0.6	0.6	2-3			
471'	0.4	0.4	2			
472	0.6	0.3	1-2			
476	0.5	0.7	3			
477/480	0.5	0.5-0.7	3			
477'	0.7	0.7	3			
478	0.7-0.8	0.9-1.2	4-5	6	average 0.13 high	reused from previous phase; fallen mudbrick wall
480'	0.5	0.4	2			
481	0.4	0.2	1			
485	?	1.1	5			reused from previous phase
487	0.5	1.0-1.1	5	8	average 0.14 high	reused from previous phase; fallen mudbrick wall
489	0.4	0.3	1			
554/559	0.6	0.4-0.6	3			
557	0.6	0.6	3			
558	0.6	0.6	3	3		mudbrick repair of W557
560	0.4-0.5	1.0-1.1	5			
561	0.3	0.3	1-2	2	0.50 x 0.35 x 0.12	mudbrick dividing wall
562	0.7	0.4	2			
563	0.5	0.2-0.3	1			
564	0.5	0.3-0.4	1-2			
565	0.4	0.2-0.3	1-2			
566	?	0.2	1			
567	?	0.3	1			
568	0.5-0.6	0.3-0.4	2			
571	0.3	0.3	1-2			bench; or remains of earlier wall
573	0.6	0.3-0.4	1-2			

Table 51 continued Description of the walls of Phase XIV, Area 7

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
574/575	1.4	0.5	3			
576	0.7-0.8	0.4-0.5	2			
578	0.7	0.3	1-2			
579	0.4	0.3	3			built of small stones
580	0.5	0.9	4-5			built of large stones
581	0.5	0.3	1-2			reused from LB
582	0.5-0.7	0.5	3			reused
583	0.4	0.3	0.3		0.57 x 0.40	mudbrick wall
584	0.6	0.6	3			
585	0.7	0.3	1			
587	0.5	0.3	1			
588	0.5	0.5	2-3			
589	0.6	0.3	1-2			
594	0.6	0.6	3			reused
595	0.6-0.7	0.8	3			reused
596/603	0.5	0.4	2			
597	0.6	0.6	?			mudbrick wall
598	0.7	0.5	?			mudbrick wall, reused
600	0.6-0.8	0.8	6			reused
601	0.7	0.6	?			mudbrick wall, reused
602	0.5	1.0	4			
604	0.6	0.4	2			

Table 51 continued Description of the walls of Phase XIV, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
6	working area west of house, upper layer, hard, o.d.	6	N665 j, N675 bjl, -1 k, -2 b, -3 k, -4 ep, 1 b, 4 k, 1 j, 1 ja, 1 ep, 1 l, 112 ud			
7	fill above hard surface south of house, o.d. (see L9)			X		disturbed, Islamic
9	hard surface south of house, floor, tabun remains (see L7)	1	1 k, 1 ja, 34 ud			
10	floor, upper layer, ash, o.d.	4	N626 bjl, N627 jl, N628 ja, N629 sj, N657 j, 1 b, 1 cb, 44 ud	2		
11	floor, upper layer, ash, o.d.	3	N658 ep, N660 ja, -1 b, -2 ja, 2 k, 2 j, 3 sj, 1 ep, 86 ud			
12	floor, lower layer, o.d.	5	N659 j, N661 ja, N676 ep, 1 b, 1 k, 3 jl, 5 ja, 3 ep, 1 dec bs, 89 ud		N663	
13	surface south of house, o.d.		1 cb, 1 jl, 1 sj, 13 ud			
14	courtyard surface, disturbed, o.d.	3	2 b, 1 jl, 1 j, 1 ep, 12 ud	X	N666, N672	disturbed, Islamic
15	disturbed surface, o.d.		-1 ic	X	N673, N674	disturbed, Islamic
16	platform-floor, hard, o.d.		-1 ep, 2 ja, 3 ud			

Table 52 Description of the loci of Phase XIV, Area 7



Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
17	working area west of house, lower layer, loose, o.d.	2	3 b, 2 k, 54 ud			
17'	posthole filled with loose, fine soil					
18	pit, d. irregular (c. 2)	7	30 ud	X		disturbed, Islamic
18'	pit, d. irregular (c. 2)	4	1 sj, 1 cp, 12 ud	X		disturbed, Islamic
19	fill above floor L33		1 k, 1 ja, 1 sj, 10 ud	2		
20	above courtyard surface	3	3 b, 1 tri, 1 sj, 20 ud	6		
21	area next to posthole L17', ash, o.d.					
23	pit in wall, d. (1.5 x 0.5)	14	1 k, 1 sj, 1 cp, 61 ud			
25	beaten courtyard surface	31	1 b, 3 sj, 1 cp, 70 ud		N678, N680, N681	
26	mudbricks, hard light brown clay		1 cp, 1 sj, 19 ud			
27	mudbricks, hard light brown clay		3 sj	1		
29	pit, d. irregular (c. 2)	6	2 k, 1 sj	7		disturbed, Islamic
30	dump outside city wall					mainly soil, ash
31	below floor L12, fill, o.d.	8	5 b, 3 cb, 1 jl, 40 ud			
32	below floor L11, fill, o.d.		N679 j, -1 cb, -2 k, 2 b, 3 k, 1 ja, 47 ud		N677	
33	beaten earth floor, o.d. (see L19)		N682 ja			
34 upper	below beaten courtyard surface L25, upper part	60	2 b, 6 k, 3 j, 1 jl, 7 sj, 5 cp	1		
34 lower	below beaten courtyard surface L25, lower part	8	3 b, 1 cp, 16 ud			
35	working table for grinding	3	- 1 b, 3 b, 4 j, 1 jl, 2 ja, 2 sj, 1 cp, 49 ud			
36	beaten earth floor, o.d.	9	2 j, 1 sj, 33 ud			
37	entrance, floor, hard, o.d.					
40	beaten earth floor, o.d.	11	N698 jl, N738 l, N741 jl, N742 jl, N744 ic, -1 b, 3 b, 1 j, 1 jl, 2 cp, 2 sj, 123 ud		N701, N703, N704, N735, N739, N743	
42	beaten earth floor, o.d.		N696 cp, N697 b, N706 ja, N730 j, N740 jl		N702	
45	beaten earth floor, o.d.	6	N731 j-dt, N732 cp, N733 sj, N734 l, N909 j-dt, -1 j, 1 b, 1 j, 24 ud		N746, N747	
46	posthole, stone-lined, o.d.					
47	posthole, stone-lined, o.d.					
48	stone table					
99	hard surface east of house, upper o.d.	2	-1 cp, -2 b, 8 b, 3 k, 1 j, 5 ja, 8 sj, 4 cp, 1 l, 248 ud			
100	hard surface east of house, lower o.d.	1	-1 b, -2 b, 9 b, 5 k, 1 j, 1 dt, 15 sj, 3 cp, 198 ud			

Table 52 continued Description of the loci of Phase XIV, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
101	beaten earth floor, o.d.		N906 bjl, 1 cp, 8 ud			
102	east of tower, upper layer, o.d.		-1 cp, 5 b, 1 cp, 3 sj, 107 ud			
125/125'	fill above floor and pavement, roofed, ash, o.d.	1	N1063 jl, N1080 k, -1 cp, -2 cp, 6 b, 4 k, 2 j, 3 jl, 1 tri, 33 sj, 389 ud			
126	fill above floor of roofed courtyard, ash, o.d.	6	-1 k, 1 b, 1 j, 4 sj, 1 cp, 42 ud	1		
126'	stone foundation for roof support					
127	area east of house, o.d.		11 ud			
129	area west of house, fill, ash, o.d.	-5	N1078 j-dt, 1 j, 1 sj, 1 cp, 38 ud			
129'	fill above floor, ash, o.d.	-10	2 sj, 12 ud			
130	floor, ash, o.d.	10	N1082 jl, N1083 jl, -1/1 ja, -1/2 ja, 9 b, 2 k, 3 j, 2 jl, 18 sj, 3 cp, 406 ud		N1086	
133	fill just above floor L137, much ash		1 b, 1 k, 1 sj, 2 cp, 29 ud			
134	floor of annex south of house, sewer, o.d.	11	-1 ja, -2 k, -3 b, 34 b, 6 k, 18 j, 30 sj, 1 tri, 3 l, 24 cp, 34 h, 919 ud		N1075, N1084	
135	upper fill south-east of house, o.d.		1 b, 1 k, 2 j, 1 sj, 5 cp, 32 ud			
136	surface, hard, ash, o.d.		2 b, 2 k, 1 j, 2 jl, 1 ja, 3 sj, 4 cp, 26 ud			
137	floor level, pavement, ash, o.d.		-1 cp, -2 cp, 2 b, 2 k, 1 cp, 29 ud			
138	floor, o.d.	5	N1089 b, 8 b, 6 k, 5 j, 4 sj, 7 cp, 2 l, 260 ud			
139	upper fill south-east of house, o.d.		N1081 l, 2 b, 2 k, 1 j, 10 sj			
140	lower fill south-east of house, o.d.		1 b, 2 k, 5 j, 4 sj, 35 ud			
141	fill in annex south of house	1	2 b, 1 k, 2 j, 4 sj, 30 ud		N1085 zoomorphic rhyton	
142	floor level, ash, o.d.		-1 k, 3 b, 3 g, 3 sj, 1 cp, 43 ud			
143	fill in annex south of house	X				
144	floor between annex and house, o.d.	47	2 b, 1 k, 2 j, 13 sj, 80 ud		N1088	
145	tabun area south-west of house, ash, o.d.	4	-1 k, 2 b, 1 k, 1 jl, 5 h, 59 ud			
146	fill in annex south of house		1 b, 3 j, 2 cp, 7 h, 60 ud			
147	fill below surface, o.d.		-1 sj, -3 cp, 1 b, 2 k, 3 sj, 1 cp, 275 ud		N1087	
147'	garbage pit west of house, d. 1.5, o.d.		13 ud			
151	area south of annex, o.d.		-1 j, -2 cp, -3 cp, 1 b, 2 k, 4 j, 1 jl, 4 sj, 1 cp, 1 dec			
154	area south of annex, o.d.					
155	area south of annex, o.d.	-2, 23	-1 j-dt, 17 b, 19 k, 9 j, 2 jl, 26 sj, 10 cp, 1 l, 353 ud			

Table 52 continued Description of the loci of Phase XIV, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
157	courtyard area o.d.	1	1 k, 1 sj, 3 cp, 49 ud			
158	floor inside room, ash, o.d.		1 j, 4 sj, 1 cp, 133 ud			
159	area south of annex, o.d.	6	2 b, 4 k, 1 j, 2 cp, 1 sj, 138 ud			
160	disturbed area	15	-1 k, 14 b, 5 k, 1 g, 10 j, 11 cp, 14 sj, 344 ud			
160'	disturbed area					
160"	disturbed area					
161	backyard between houses, collapsed mudbrick wall		1b, 1 k, 1 sj, 29 ud		N1091, N1094	
162	floor inside room, ash, o.d.				N1092	
183	pit, d. 1.0, o.d.	1	1 j, 1 cp, 6 ud	1		
188	fill above floor, o.d.		1 b, 9 ud			
189	tabun on floor L192, ash; cf. L161		-1 cp, 1 b, 2 sj, 1 cp, 30 ud			
190	floor, very hard, o.d.	22	13 b, 1 k, 2 j, 1 sj, 3 cp, 107 ud			
191	pit, d. 0.35, cut into L190, well-defined, loose soil, o.d.					
192	floor, ash, o.d.					
317	destruction fill, o.d.		2 cp			
318	destruction fill, o.d.		1 j, 8 sj, 1 ud			
321	destruction fill, o.d.		6 ud			
322	destruction fill, o.d.					
323	destruction fill, o.d.	5	1 b, 2 k, 3 j, 4 sj, 1 l, 3 cp, 83 ud	6		
324	destruction fill, o.d.	1	1 rb, 9 ud			
325	destruction fill, o.d.					
326	destruction fill, o.d.		1 k, 1 j, 1 sj, 1 cp, 19 ud			
329	destruction fill, o.d.	2	1 b, 1 cb, 1 k, 1 j, 1 ja, 8 sj, 1 cp, 68 ud		N1177	
332	pit, upper part, ash, o.d.	3	7 b, 2 cb, 3 k, 3 j, 1 ja, 3 sj, 58 ud		N1178	
334	destruction fill, o.d.	15	N1175 jl, -2 b, 2 b, 4 k, 5 j, 9 sj, 157 ud		N1173, N1176, -1	
335	destruction fill, o.d.	11	-1 cp, -2 cb, -3 j-dt, -4 k, -5 cp, 2 b, 1 cb, 7 k, 2 j, 1 jl, 4 sj, 85 ud			
336	pit, d. c. 1.5, upper part, ash, o.d.	16	N1183 jl, -1 l, -2 k, -3 Ass cb, -4 b, -5 ja, -6 b, -7 b, -8 b, 1 b, 3 k, 7 j, 1 jl, 14 sj, 5 cp, 1 fig, 182 ud		N1168, N1180, N1181, N1184... N1186	
338	hard fill, o.d.	1	1 b, 1 sj, 15 ud			
339	destruction fill, intermediate part, o.d.					
340	hard fill, o.d., see L338		2 ud			
342	fill above floor, hard		-1 sj, 1 k, 1 sj, 12 ud			
343	fill above floor, hard		5 b, 5 k, 1 j, 1 jl, 2 sj, 14 ud			
344	fill, ash, o.d., lower part of L329				N1179	
345	pit, d. c. 1, o.d., upper part		1 cb, 1 sj	30		

Table 52 continued Description of the loci of Phase XIV, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
346	pit, d. c. 1, o.d., lower part		15 ud	31		
348	fill above floor, hard	10	-2 ja, -3 k, 2 b, 3 k, 2 j, 1 jl, 7 sj, 1 cp, 54 ud		N1187, N1188, -1	
349	pit, d. c. 1.3, loose, o.d. (see L351)					Islamic disturbance
350	furnace, ash, mudbrick, o.d.					
351	pit, d. c. 1.3, loose, o.d. (see L349)					Islamic disturbance
352	pit, d. c. 1.3, ash, upper part of L358		-1 cp			
353	fill above floor, o.d.	5	N1190 l, N1194 sj, N1195 ja, N1202 jl, N1203 cp, -1 k, -2 ja, -4 b, 3 b, 1 cb, 4 k, 3 j, 2 ja, 8 sj, 1 cp, 130 ud		-3	
354	fill above floor, o.d.	2	-1 k, -2 b, -3 jl, 3 b, 4 cb, 7 k, 6 j, 9 sj, 2 cp, 156 ud	1		
355	soft fill with pebbles, o.d.	2	1 k, 15 ud			
356	fill, o.d.	4	-1 sj, 1 k, 4 j, 2 sj, 1 fig, 20 ud		N1204	1 ostrakon (sj)
357	pit, d. c. 1.5, lower part, loose soil	3	1 j, 1 sj, 5 ud			
357'	pit, lowest part, loose soil above bedrock		4 ud			
358	pit, d. c. 1.3, fill with pebbles, o.d.					
359	fired mudbrick, iron slag, parts of tuyère	7	1 cb, 3 k, 6 j, 7 sj, 1 cp, 20 ud			
360	loose soil, ash	15	-1 j, -2 ja, -3 cp, -4 sj, -5 ja, -6 ja, 9 b, 12 k, 13 j, 2 jl, 2 ja, 14 sj, 5 cp, 175 ud		N1189	
361	hard fill	5	-1 b, -2 ja, -3 jl, -4 ja, 2 k, 4 sj, 40 ud			
362	stone platform					
363	soil above bedrock, o.d.	12	1 jl, 28 ud			
364	hard surface, o.d.	3	-1 sj, -2 cp, -3 b, 2 sj			
365	floor, hard, o.d.	7	N1193 sj, -1 l, 1 b, 1 cb, 1 k, 4 j, 1 sj, 30 ud		N1191, N1192	
366	tabun, d. c. 0.5		N1201 sj		N1200	
367	floor, below L342, o.d.					
368	soil below platform L362	14	2 k, 1 jl, 5 sj, 3 cp, 18 ud			
369	stone bench					
370	floor, o.d.	18	N1198 k, -1 cp, -2 b, 6 b, 2 cb, 8 k, 7 j, 1 jl, 5 sj, 1 l, 9 cp, 244 ud		-3	
371	fill with charcoal		-1 k, -2 k, -3 cb, 1 j, 16 ud			
372	hard layer of mudbrick below L368	7	6 ud		N1199	
373	floor, hard, o.d.	26	1 b, 1 k, 1 sj, 1 cp, 29 ud		N1205, N1206	
374	pit with burnt material, d. c. 0.8					
375	fill, o.d.	3	N1196A jl, N1207 j, N1208 jl, 65 sj	1	N1196B, N1209	

Table 52 continued Description of the loci of Phase XIV, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
376	dump outside city wall, o.d.		1 cp, 12 ud			
377	fill below floor L370, just above bedrock	-1, 3	1 b, 1 k, 2 j, 2 jl, 8 sj, 11 cp, 345 ud			
378	fill, o.d.		22 ud			
379	test trench, o.d.	5	3 b, 12 k, 6 j, 7 sj, 224 ud			
380	fill above floor L390	1	N1215 k, N1216 cp, N1220 jl, N1221 jl, N1225 k, N1226 jl, N1227 j, N1241 cp, -1 ja, 3 b, 1 k, 2 j, 2 sj, 3 cp, 47 ud		N1211, N1212, N1214, N1219, N1222, N1228A-B, N1230, N1234	
381	fill, o.d., see L356	121	N1236 jl, -1 jl, -2 k, -3 k, -4 k, -5 ja, -6 ja, -7 cp, -8 CG III jl, -9 jl, -10 cb, -11 k, 3 b, 1 cb, 5 k, 11 j, 2 jl, 1 ja, 1 l, 9 sj, 1 cp, 35 ud		N1213, N1223, N1224, N1233, N1235, N1238, N1240	
382	fill, o.d.					
383	fill below L375	4	1 b, 6 j, 2 jl, 1 ja, 4 sj, 52 ud		N1197	
384	hearth, associated with L373					
385	stone-lined hearth, upper level					
386	stone-lined hearth, lower level		1 sj, 11 ud		N1229, N1231	
387	fill, loose soil, o.d.	5	1 b, 1 j, 2 sj, 1 cp, 32 ud		N1237, N1239	
388	area outside pit L345/346, o.d.					
389	test trench, see L379					
390	floor, o.d.	3	-3 b, -4 hm/k, -5 cp, 1 k, 2 j, 10 sj, 9 ud		N1218, -1, -2	
391	fill below L383	13	-2 ja, 1 b, 1 cb, 1 k, 1 jl, 8 sj, 58 ud		N1217, N1232, N1244	
395	test trench, o.d.	2	3 b, 1 cb, 2 k, 8 j, 2 jl, 3 sj, 3 cp, 147 ud		N1243	
396	test trench below L381, o.d.	-1, 15	-2 cb, -3 b, 1 b, 2 j, 4 sj, 1 cp, 136 ud			
397	small tabun, d. c. 0.3					
398	test trench below L395		3 k, 3 j, 1 cp, 109 ud			
403	upper part of pit		-1 BoR I jl			
410	pit, d. 0.7, ash				N1250	
413	southern part of pit					
416	fill, o.d.		-1 k, 3 k, 3 j, 1 sj, 1 cp, 15 ud			
417	fill, o.d.		-5 k			
418	courtyard surface, varying texture, o.d.	8	N1255 jl, -1 k, -2 ja, -3 ja, -4 cb, -5 ja, -6 k, -7 ja, -8 jl, -9 j, 7 b, 1 cb, 7 k, 3 j, 4 jl, 1 sj, 1 cp, 447 ud		N1254	

Table 52 continued Description of the loci of Phase XIV, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
420	loose fill with hard spots, o.d.	-2, 28	N1264 jl, -1 ja, -3 cp, 1 b, 1 cb, 4 k, 7 j, 1 jl, 3 sj, 1 ep, 247 ud	2	N1265	
421	courtyard surface, hard, o.d.	2	-1 cp, 4 b, 6 k, 8 j, 2 jl, 8 sj, 3 ja, 8 cp, 142 ud	1		
422	pit, western part, d. c. 3.5	2	-1 k, 1 b, 1 cb, 10 k, 3j, 1 jl, 16 sj, 3 ep, 23 ud	-2		later disturbance
424	gutter, loose soil, o.d.	1	3 cb, 8 j, 1 jl, 1 k, 7 sj, 3 ep, 70 ud			
426	pit, eastern part, d. c. 3.5		-1 dt, 1 c, 2 sj, 14 ud			later disturbance
427	medium-hard fill, od.	20	-1 cp, -2 k, -3 k, -4 c, -5 ja, -6 cb, 9 b, 2 cb, 12 k, 29 j, 7 jl, 2 ja, 29 sj, 1 l, 2 ep, 389 ud			
428	floor level, o.d.	1	1 b, 2 cb, 1 k, 6 j, 1 jl, 2 sj, 29 ud			
429	loose fill with small pebbles	-1, -2, 177				
430'	originally LB disturbed during this phase, surface, o.d.	27	-1 cb, 19 b, 9 k, 18 j, 3 jl, 7 sj, 6 cp, 582 ud			
431	entrance area of room		-1/1 k, -1/2 k			
434	pit, see L426		2 sj, 1 ep, 11 ud	1		later disturbance
435	courtyard surface, hard, o.d.		1 k, 1 j, 1 ja, 4 sj, 1 ep, 50 ud			
436	surface, medium-hard, o.d.	72	-1 b, -2 k, -3 b, -4 cb, -5 bjl, -6 hm, 7 cb, 8 k, 18 j, 5 jl, 13 ja, 34 sj, 451 ud			
438	loose fill with hard spots, o.d.	28	-1 k, 1 b, 1 k, 1 j, 1 jl, 2 sj, 1 l, 153 ud		N1266, N1267	
441	courtyard surface, hard, o.d.		-1 k, -2 b/k			
442	fill with stones					
448	fill with stones, o.d.	1	-1 b, -2 ep, -3 k, 1 b, 1 k, 2 j, 1 jl, 3 sj, 4 ep, 167 ud		N1270, N1271	
460	pit, see L426		1 k, 1 j, 2 ep, 9 ud	1		later disturbance
470	hard surface, pebbles, o.d.	2	1 k, 3 j, 3 sj, 46 ud			
471	soft fill, some small stones, ash, o.d.	3	N1278 jl, N1280 tri, N1282 jl, -1 zoomorphic rhyton, -2 sj, -3 cb, 1 b, 2 cb, 8 k, 8 j, 3 jl, 5 sj, 1 ep, 254 ud			
471'	surface, o.d.		N1281 sj, 54 ud			
472	fill, o.d.	1	-1 cp, -2 zoomorphic rhyton, -3 k, -4 k, 2 cb, 5 k, 2 j, 1 sj, 3 ep, 31 ud			
475	pit, d. c. 1.4, loose dark soil, no stones	1	1 k, 19 ud			
476	loose fill, pebbles					
480	hard fill, mudbricks, o.d.		17 ud	1		
483	floor, pebbles, ash, o.d.		-1 cp, -2 k, -3 k, -4 j?, -5 ep, 1 cb, 4 k, 1 j, 1 ja, 3 sj, 1 ep			
485	beaten earth floor, mudbricks	4	4 j, 2 ja, 71 ud			
486	fill just above floor, quite soft texture, pebbles					
491	floor, quite soft texture		N1293 bjl, -1 sj, -2 k, 3 k, 1 j, 1 dec, 1 jl, 2 ja, 19 sj, 1 ep, 672 ud		-3	

Table 52 continued Description of the loci of Phase XIV, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
495	pit, see L426	2	1 b, 2 cb, 11 k, 4 j, 3 jl, 6 ja, 2 sj, 3 ep, 105 ud			later disturbance
498	fill with some large stones		5 sj			
501	fill with pebbles	2	-1 ep, -2 c, -3 ep, 1 b, 2 j, 8 sj, 165 ud		N1295, N1297, N1298	
in W156	stone foundation of wall	4	-1 k, 2 b, 40 ud		N699	pottery in wall
in W157	stone foundation of wall		2 b, 1 ep			pottery in wall
in W164	stone foundation of wall	1	-1 j-dt, 1 b, 8 ud			pottery in wall
in W166	stone foundation of wall	4	-1 b, 2 b, 40 ud			pottery in wall
in W177	stone foundation of wall	10	1 ep		N749	pottery in wall
in W471	stone foundation of wall	2	2 b, 1 k, 3 j, 2 ep, 44 ud			
in W487	stone foundation of wall		3 sj, 27 ud			
in W562	stone foundation of wall	3	-1 ep, -2 j, 3 j, 3 sj, 25 ud		-3	
in W579	stone foundation of wall		-1 k, -2 ep, -3 ep, -4 k, 1 b, 6 k, 2 j, 1 jl, 4 sj, 4 ep, 82 ud			
in W581	stone foundation of wall	-1, 28				
in W596	stone foundation of wall	1	1 b, 1 k, 1 j, 2 ja, 1 sj, 1 ep, 186 ud			
in W597	stone foundation of wall		1 tri, 1 j, 1 ep, 28 ud			
in W598	stone foundation of wall		2 k, 1 j, 19 ud			
in W604	stone foundation of wall		1 b, 6 k, 2 j, 1 sj, 2 ep, 35 ud			

Table 52 continued Description of the loci of Phase XIV, Area 7

(N1239), obviously moved from its original position, a storage jar (N1193) and a red-painted, collared cylinder seal of steatite of Neo-Assyrian origin (N1161; Figs. 229, 453:6 and 467:1; see also discussion below and Appendix 4). Two finds of metal should be mentioned: an iron arrowhead (N1177) and the melted remains of a possible fibula (N1189). Two stone-built hearths, one is L384 and the other is L385/386, and a pit (L349/351) belong to this room.

The south-eastern corner of the exposed area, with the destroyed remains of two walls (W567, 568), is covered by thick layers of ash and contains some pits. Numerous arrowheads of iron (N1180, N1181 and N1185; Fig. 227), an iron sickle (N1168) and some items of bronze (e.g. dagger N1178) were found in L329, 332, 336, 344 and 350. In L344 there is an accumulation of arrowheads (N1179; Fig. 227), bundled together. Other finds are a red-painted juglet (N1183), a limestone disk (N1184), an alabaster spindle whorl (N1186) and an unfinished (?) pendant/bead/seal of limestone (N1199). The majority of the loci of this space are of yellowish-red to reddish-brown loose soil intermixed with quite substantial layers of ash and slag. Pieces of hard-fired mudbrick were also present. There are also two pits: L352/358 and L374.

There are five houses to the west of the former compound and built along the former edge of the upper plateau of the tell against the city wall. The city wall is partly preserved in the easternmost and westernmost parts but demolished in the remaining part of the area due to erosion. The ground plans of four of the houses, the exception being the most westerly, are similar and all of them comprise four rooms and partly roofed courtyards. The necessary adaptation to the curving edge of the tell influenced their general shape: whereas the easternmost house is almost square, being 8.5 m × 9 m (N/S × E/W), the next one to the west is more trapezoidal in shape, being 9 m × 8/9 m, the next is square again (9 m × 8.5 m as reconstructed). Too little is preserved/excavated of the two westernmost houses for it to be possible to report their dimensions. The easternmost three houses show annex structures built against the southern façade of the houses. There are also walls between the houses, creating protected working spaces.

*House 1:* The best-preserved house is on the easternmost part of the terrace (see the selected collection of finds from this house in Figs. 187A and B). The floors of the four rooms and the courtyard are all of beaten



Fig. 183 North-western room of House 1, Phase XIV, Area 7

earth. In the north-west part of this house lies a small room measuring 1.5 m × 2.4 m (interior dimensions) with a hard-packed clay floor (W157, 177, 164, 166; L10, 16, 12, 31; Fig. 183). In its northern part there is a bench, approx. 0.15 m high and 0.4 m deep. There is a stone filling about 1 m wide between the bench and the reused city wall to support the older wall (“W156”). The entrance to the room is from the west via a step built of stone slabs (L35; Fig. 183). The threshold is part of the western outer wall. The room contains a variety of vessels including two pithoi leaning against the north-west and north-east corners (N628, N629), a two-handled ovoid jar (N661), two one-handled jugs with trefoil mouths, one of them with a rounded base and the other with a ring-base (N659), and a cooking pot (N676).

The room to the south-west is separated from the former by a wall (W166; the other walls are W165, 154, 157; and L15). It measures 1.5 m × 3.2 m (reconstructed). It contains among other finds a loom weight (N674). Its southern part has been destroyed during Islamic times (see above). The Islamic pit contained a

glass bottle (N662). Other Islamic pits in the south-west are L18 and 18’.

The room in the south-east corner of the building (W176, 169, 154/170; L26, 40, 46) is open (to the north-west) to the central courtyard (Figs. 184 and 185). It measures 2.4 m × 2.8 m. Two postholes surrounded by stones with a bottom stone for a wooden roof support were found in the centre of the opening (L46, 47). In the north-west corner of this room there is a table built of flat stones (L48). A number of finds had fallen down from the table or once been put around it. A complete tripod basalt bowl (N739) and fifteen iron arrowheads with parts of the wooden shafts preserved were among them (N743). It is very likely that the arrows were deposited in a container, maybe a quiver, which has not been preserved. A number of vessels were found around the table: a bowl, one-handled jugs with rounded bases of which two have an ovoid (N742) and one a long cylindrical body shape (N741), and a lamp (N738). Many unfired clay loom weights were found just outside the room, suggesting the position of a loom.<sup>42</sup> Close to them was an

<sup>42</sup> Ash and charcoal are present and may stem from a burnt down loom.





Fig. 184 South-eastern room of House 1, Phase XIV, Area 7



Fig. 185 North-eastern and south-eastern room of House 1, Phase XIV, Area 7. "Astragal" jug N730 to the north (to the right of) the dividing wall



Fig. 186 Jar N706 with 40 unfired clay loom weights (N702)

incense cup in the shape of a carinated and perforated bowl on three stump legs (N744; Figs. 193:1 and 194 right).

The neighbouring room to the north-east is 2.0 m × 3.8 m (reconstructed; W174/178, 177, 169/250, 176; L19, 27, 33, 42, 101). The 1 m wide entrance is from the south-west (L37). The eastern foundation wall of the tower from the preceding period was reused as a bench in the eastern part of the room. A cooking pot (N696) and a large rudely hand-made bowl (N697) were found next to the bench. A juglet and a one-handled jug with a trefoil mouth and ring-base were found close to the entrance (see the jug in N730; Figs. 187B, 200:2 and 458:4). The jug contained 41 *astragals*. A broken jar (N706) in the southern part has contained about forty unfired clay loom weights (N702; Fig. 186). A large jar was found in the north-west corner close to the city wall (N682).

The area between the eastern and western pair of rooms, a courtyard, was obviously partly roofed. Remains of the roof construction in the shape of collapsed ceiling were found in the northern part (L25). The courtyard has a floor of beaten earth measuring 3.5 m × 7 m (L11, 14, 20, 25, 32, 34, 36, 45; and the pit L29). In the north-western part a jar (N660), a jar

with a cup-like spout (N679), two jugs (one is N657), a Black Juglet (N626) and a cooking pot (N658) were excavated. The majority of the other courtyard finds were discovered outside the room last described and near its entrance: three cooking pots (one is N732), a seven-spouted lamp (N734; see photograph in Fig. 212 left), a decanter jug (N731; see Figs. 198:9, 199 right and 458:2) and a jar (N733) with ten *astragals*. The lamp N734 was once attached to a raised base which is not preserved. Many iron arrowheads, spindle whorls, weights and stone tools including flints were found in the courtyard and elsewhere in the rooms. The southern part of the courtyard was partly affected by Islamic disturbances (see above).

The area west of House 1, viz. between the eastern two houses, is partly stone-paved (L6, 17, 17', 21; Fig. 188). In this area north of the steps leading via an entrance to the north-western room two basalt querns were found on top of a 0.5 m high, 1.5 m long and 1 m wide stone bench (L35). A Black Juglet (N675) and sherd of a Black-on-Red vessel were found nearby. There is a partly exposed "annex" which was built against the southern façade of the house (W158; L7, 9).



Fig. 187A Collection of finds from House 1, Phase XIV, Area 7

*House 2:* The second house to the west of the former is slightly trapezoidal in the design of the plan thereby following the conditions provided by the curving edge of the tell. There is a pair of rooms to the west. The northern one measures approximately 2 m × 3.5 m (W462, 466, 465; L142). The entrance from the courtyard was from the southern part of this room via W465. The south-western room, 2 m × 4 m in size (W465, 461, 462, 466; L129', 133, 137), is stone-paved and only partly separated from the courtyard by the extension of W465. In the opening towards the courtyard there might once have been wooden roof supports. Cooking pots and a jug-decanter (N1078) are amongst the pottery. The eastern pair of rooms is correspondingly constructed: a walled room to the north, 2 m × 3.3 m in size (W458, 450', 450, 449; L126, 130), with an entrance from the courtyard in the centre of W458. The southern room, 2.3 m × 3.8 m, is stone-paved and open towards the courtyard (W449, 450, 461; L125'). Also in these rooms were a number of earthenware vessels, amongst them a globular juglet (N1063), various stone tools and an arrowhead. The courtyard between the pair of rooms is of beaten earth (L125, 126, 138) and has a stone bench in its northern part alongside W458. There are also two *tawabeen*, approximately 2 m apart, at the opening of the south-eastern room. The southern one is surrounded by



Fig. 187B Jug N730 with 41 *astragals* (see also Fig. 458:4)



Fig. 188 Working area west of House 1, Phase XIV, Area 7

bones. In the centre of the courtyard is a stone setting to support a wooden beam and the roof which obviously only covered the northern part of the courtyard. Stone tools, a hemispherical bowl (N1089) and a spindle whorl of alabaster (N1086) are amongst the finds.

There is an “annex” alongside the southern façade which reveals two building phases close in time, both with openings in the western part. The first, smaller and older one, is 1.0 m × 1.7 m in size (inner diameter) and enclosed by W469', 461, 469, 460 (L141, 143). There was a bronze dagger with a bone or ivory handle at the entrance of the annex (N1084). The annex was later rebuilt and enlarged, now covering 1.3 m × 3.3 m and enclosed by W470, 461, 469, 468 (L134, 146). Just east of the annex was an elaborate rhyton depicting an equid carrying two open vessels (N1085; see Figs. 223:1, 224, 453:2A/B and 462:3; see also Appendix 1), and to the west there is another *tabun*. Remains of a drainage system in the shape of a fired-clay sewer were found alongside W461 (Fig. 189). There is a small wall (W467), which extends W461 eastwards. Many objects were found in front of the house and between this and the houses to the east and west (L129, 133, 136, 145, 147, 135, 140, 144, 139, 127). Amongst these are a lamp (N1081), a cooking pot, a storage jar and numerous unfired loom weights.

*House 3:* Of the third, squarer, house to the west only the foundation walls of its southern half are preserved. It measures 9 m × 8.5 m as reconstructed. Much ash was found inside the three exposed spaces. The south-western room measures 4.5 m × 2.4 m (W478, 480', 477', 480; L162). Arrowheads (N1095, N1096) and an awl (N1092), all of iron, are amongst the finds from this room. The south-eastern room, 4.3 m × 1.6 m, is enclosed by W471, 471', 476 and 472 (L158). There is a 1 m wide entrance in the east where a *tabun* is placed. Several unfired clay loom weights were in this room. The courtyard which is flanked by the two rooms is 9 m × 2.2 m (reconstructed) with one entrance from the south-eastern corner where a stone pavement was laid (W477', 471, 477; L157). There is another entrance towards the western room in W477'. A millstone belongs to the inventory of the courtyard. This house, too, seems to have had an annex of which only a partly preserved wall is left (W481; L160). Not much can be said about the partly disturbed area south of the house (L154, 160, 160', 160", 151, 154, 155, 159). It may be that the cistern from the previous phase was reused.

*House 4:* The next house measures in its southern part, 7.5 m (east-west) by approximately 7.5 m (north-



Fig. 189 Sewer along the southern wall of House 2, Phase XIV, Area 7

south; reconstructed). It was taken over almost unchanged from the previous Phase 3. The outer walls, 0.5–0.6 m wide, are W595/587, 585, 485 and 487. Two dividing walls, W602 and 489, created three spaces of which the central space is a courtyard. The western space, 1.7 m wide (L471, 483, 431), could be entered from the west via an approximately 0.8 m wide entrance where a door socket was found, and from the south through a 0.9 m wide, stone-reinforced, entrance. Finds from this room include a one-handled jug with trefoil mouth (N1282), a juglet (N1278) and a tripod bowl of fired clay (N1280). The next, trapezoidal space (L471'), in which a large storage vessel (N1281) was found, is 2–3 m wide. There are two pits: one is from the occupational phase (L475) and the other is a later disturbance (L183). Numerous pieces of raw iron were found in the uppermost part of pit L475 (see Fig. 228). The next space (L190), approximately 2.5 m wide, has a 2 m wide entrance in W485 from the south. A centrally placed small pit (L191)

and the fairly well-preserved remains of a collapsed wall of unfired mudbricks were found here. There is a walled space between this house and the next to the east where again the remains of a collapsed mudbrick wall were exposed (L161, 188, 192). It was entered from the south through via a 0.7 m wide opening in W485. Features from this “backyard” are a *tabun* (L189) and close to it a rectangular clay trough. Other finds include a dagger handle (N1094), a dagger blade (N1091) and raw iron (“iron scrap”, see Fig. 228).

There is a 2.6 m wide “annex” to the south of House 4, of which W589 and 582 are preserved (L427, 436). This annex is much larger than the corresponding annexes in the eastern part of the area. To the north-west is a pit which starts just below modern surface (L403, 413, 422, 426, 434, 460, 495). A Cypro-Geometric juglet comes from the area surrounding the pit (L403-1; Fig. 218:7). The southern part of the exposed area revealed the northern ends of additional structures (W594, 583 and 581; 0.4–0.6 m wide). Between these two compounds there seems to have been a street running west-south-west to east-north-east.

Between House 4 and 5 is a stone-paved gutter (L424), 0.3–0.6 m wide, the purpose of which is to drain rainwater from the upper part of the tell down the slope. Three walls were found close to the gutter: the parallel north-south W584 and 596/603 and the transverse short W604, all them 0.5 m wide. Their functions are speculative. It might be that they represent the eastern limits of a walled external yard and, at the same time, functioned as stabilizers of the soil and the walls along the gutter. The narrow space between the two parallel walls might have been used as a storage facility, although there are no finds to confirm this theory.

*House 5:* The dimensions of this house are difficult to assess because it is only partly excavated. Parts of the mudbrick superstructure of some of the approximately 0.6 m wide, stone-foundation, walls are still in a good state of preservation (W601, 598 and 597). The uncovered walls of the westernmost house so far exposed are W601, 600/599/580 and 579. There are two well-preserved dividing walls inside the building (W598, 597), of which W597 takes a different direction, thus not fitting into the fairly rectangular system of the structure; this wall might represent a later addition. The space to the west is 1.6 m wide (lower loci L486, 491) and that to the east 4.3 m (lower loci L428, 485, 498, 501; the later addition, W597, is not taken into consideration). In the south-eastern corner of the eastern space there is a stone bench measuring 0.9 m × 0.5 m. Finds from the western room include a

Black Juglet (N1293). The middle room contains a millstone and the eastern room a stone mortar surrounded and supported by small stones. South of a possible road the northern limits of another compound were partly exposed (W594, 583; L418, 430', 442, 448). Amongst the finds from the area north of the southerly compound are a loom weight (N1254) and a vessel with a spout resembling the head of a bird (N1255). Other finds are a complete arrowhead of iron (N1270) and a flint blade (N1271), together with the stone support for a roof structure. A bronze fibula with the iron needle still attached (N1250; Figs. 225:12 and 458:7) was found inside a *tabun* (L410): its position is somewhat problematic because it lies higher than the surroundings. Close to the *tabun* area a juglet (N1264) and loom weights (N1265) were discovered.

**Interpretation of the material evidence** (see reconstruction in Figs. 190 and 452:1)

Ash and collapsed parts of the structures' ceilings and roofs were found everywhere in the houses and in the workshop, all of which were apparently destroyed by fire. It does not seem conceivable that the structures were destroyed by an earthquake, since the foundation walls were found quite intact. It is, however, evident that the inhabitants did not return after the catastrophe to retrieve their belongings, the position of which must have been known to them. There are, except for later Islamic pits, no disturbances to suggest a search through the rubble of the collapsed structures: we were able to expose numerous intact

ceramics and other objects of bone, stone and metal very close to today's colluvial soil. It is also evident that this particular area was abandoned until Islamic times.<sup>43</sup> It is very possible that the domestic structures had two storeys. Due to the find situation, the interpretation of the functions of the various rooms in each house is limited to the ground floor of which the stone foundations are intact.

*Workshop:* The structure to the extreme east contains, to the west, a living space and, to the south-east, the workshop for the production of iron and bronze objects, of which many were found. A very plausible hypothesis is that the workshop once contained a furnace, which was destroyed or dismantled. This theory is supported by finds of parts of a possible tuyère of fired clay/sherds leading to a small pit surrounded by pebbles. In addition, there is another partly excavated small pit with pebbles (L374) which unfortunately continues into the southern section. It contains loose, ashy, material, with a hard bottom of a greyish-white texture: this might have been used as a small casting installation or it contained the remnants of a blacksmith's activities. Amongst the finds are a well-preserved long fire rake (Figs. 225:1, 226 and 458:8) which has a good parallel at Tell Keisan (BRIEND and HUMBERT 1980: pl 99:5). There are also numerous arrowheads of iron (Fig. 227). It is somewhat surprising to find evidence of textile production in the shape of spindle whorls and loom weights in the close vicinity of the metal workshop. However, the workshop is separated from the domestic area to the north and west

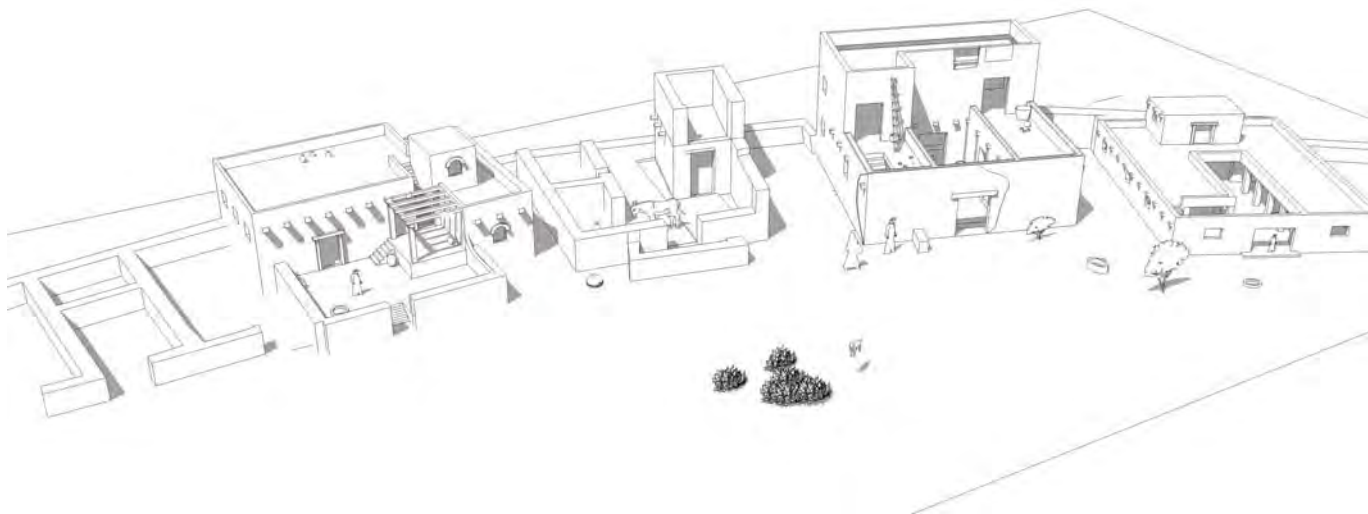


Fig. 190 Reconstruction of Phase XIV structures, Area 7

<sup>43</sup> There are, for example, Roman/Byzantine remains in Area 10 which is just to the south of Area 7.

by a small, much damaged, wall (W567). The location of the workshop in the north-eastern corner of the settled plateau is well chosen because at Tell Abu al-Kharaz the wind blows mainly from the west and south. Therefore, the population was less affected by the smoke and smell caused by the workshop.

Amongst the typical pottery from the second half of the Iron Age from this phase are imports from Cyprus (Black-on-Red pottery from the Cypro-Geometric III period), Phoenicia and Assyria. The Phoenician juglet with its inwardly folded rim, the double handle and the plastic decorations (knobs), one above and four below the handle, is unique to Tell Abu al-Kharaz (N1226; Figs. 219:1 and 453:7). The knobs are pseudo-rivets, and the whole appearance of the juglet gives the impression that the producer intended to imitate a counterpart in metal. The import from Assyria is a red-painted Neo-Assyrian cylinder seal of steatite/enstatite with the representation of a bearded male with a foot-long decorated dress aiming a bow and arrow at an ungulate heading towards a tree (N1161; Figs. 229, 453:6 and 467:1; see also Appendix 4). There are two symbols above the animal: one is a double-wedge which resembles the Greek letter “pi”<sup>44</sup> and the other a half-moon. We also discovered an ostrakon of a storage jar in L356 (Figs. 219:3 and 467:3; see Appendix 4). The partly preserved inscription is in Aramaic. There are three letters “R”, “Q” and most likely “Y”. The interpretation is speculative but it could be read as a name/owner (most likely), a measure or information about the contents (cf. RICHELLE 2010: 247–249).

*House 1:* This domestic space to the north-west was obviously used for storage of liquids and food. The space to the south-west, which was partly disturbed during Islamic (Abbasid) times, must have had the same function as the former room. That the space to the north-east was used for the production of textiles can be deduced from the numerous loom weights. The fourth room to the south-east, which has a posthole for a roof support at its entrance to the west, produced only a limited amount of finds: it seems that it was used as a living/resting room. The partly or completely roofed courtyard between the two pairs of rooms was crowded with finds, including several cooking pots, storage vessels, lamps, table wares, a possible quiver with many arrowheads and a jug with numerous *astragals*. This space was used for the preparation

of food, storage and other activities of daily life. There are two additional installations attached to the outer walls of the house: one along the western façade and the other attached to the southern façade. The latter consists of a partly exposed small space which may have been used to hold small animals, for instance domesticated birds. The former is a structure just to the north of the steps leading to the entrance of the house: a stone-built structure on which two millstones of basalt were placed. The position of the millstones suggests that they could be used simultaneously by two persons lying on their knees to grind grain.

*House 2* is almost identical with House 1 in plan and in the arrangement of the internal rooms. This and the find repertoire including jugs, juglets, cooking pots and storage jars point to similar if not identical use. There is however one difference: whereas House 1 had a beaten earth floor the two southern rooms of House 2 were stone-paved. The two *tawabeen* indicate that the central room where they were placed was not roofed. The equid rhyton with the attached two miniature vessels, the bronze knife with the bone handle and a lamp – all found outside the house or inside or outside the annex – might point to religious activities taking place outside the house or in the annex. The annex was maybe a kind of room for praying and/or offering (see also Appendix 1).

*House 3* reminds of the houses previously described but yielded fewer finds.

*Houses 4 and 5:* These two structures are only partly excavated and preserved but the functions of the rooms are clearly domestic judging from the rich finds. Amongst these are millstones, mortars, flint blades, loom weights of unfired clay, arrowheads of iron and raw iron. The pottery belonging to the typical Iron Age II repertoire of the site includes rounded and carinated bowls, juglets, both plain, shaved and burnished together with the characteristic Black Juglets, jugs, cooking pots and storage jars, one of which once contained more than 100 litres of fluid. There is also a clay pot with three stump legs, obviously an imitation of the more elaborate and expensive tripod bowls of basalt, of which there are several from our Iron Age contexts.

From what has been said above it is evident that the northern part of the tell, the most difficult to access from the plain below but from where essential

<sup>44</sup> There is some resemblance between these double wedges, and the incised or raised potmarks from Early Bronze Age Tell Abu al-Kharaz Phase I (FELDBACHER and FISCHER

2008: 395, 35), Phase II (*idem* 396, 26) and “unstratified” (*idem* 397, 17; see also the chronological discussion in FISCHER 2008a: 371–382).

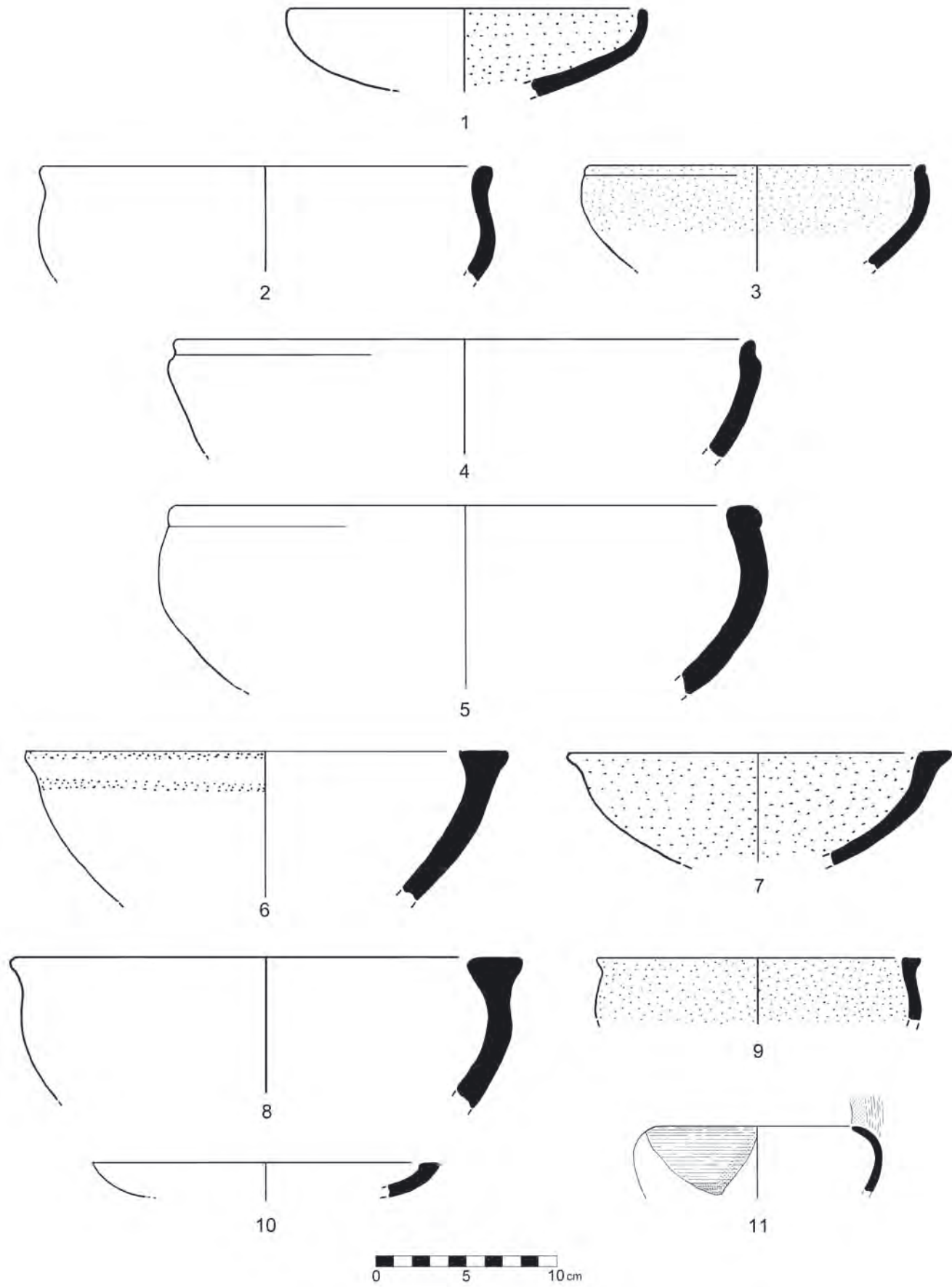


Fig. 191 Pottery from Phase XIV, Area 7



parts of the Jordan and Jezreel Valleys could be controlled, was used during an intensive period of occupation in the second half of the Iron Age. An effect of the intensive construction activities during this period has been the removal of architectural remains from older occupation, sometimes even down to bedrock (see Area 7 in the most easterly part). Nevertheless, islands of undisturbed remains from the Middle/Late Bronze and Early Bronze Ages could be secured and investigated, demonstrating that this area, too, was used during all three main periods of prehistoric occupation (see FISCHER 2006a, b; 2008a).

#### Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
191:1	354	-2	Bowl, hard-fired, greyish-brown fabric, medium-fine, self slip, red paint on interior, reused as lamp because of soot.
191:2	353	-4	S-bowl, medium-hard-fired, light brown fabric, medium-fine, light yellowish-brown slip.
191:3	336	-4	Bowl, medium-hard-fired, light greyish-brown fabric, medium-coarse, multicoloured inclusions, light greyish-yellow slip, upper part exterior and interior red-painted.
191:4	336	-6	Bowl, hard-fired, light reddish-brown fabric, thick greyish-brown core, coarse, multicoloured inclusions, brownish-red slip.
191:5	336	-8	Bowl, hard-fired, light red fabric, thick grey core, multicoloured inclusions, self slip, red wash.
191:6	334	-2	Bowl, medium-hard-fired, light greyish-brown fabric, coarse, mainly black inclusions, light yellowish-brown fabric and slip, red paint on rim and below rim exterior.
191:7	364	-3	Bowl, medium-hard-fired, yellowish-grey fabric, multicoloured inclusions, self slip, red paint on rim and interior, splashes of paint on exterior.
191:8	336	-7	Bowl, medium-hard-fired, yellowish-grey fabric, coarse, multicoloured inclusions, yellowish-grey slip.
191:9	361	-1	S-bowl, medium-hard-fired, light greyish-brown fabric, coarse, multicoloured inclusions, light yellow slip, red paint on rim and interior.
191:10	436	-1	Bowl, medium-hard-fired, light red fabric, light brown core, medium-coarse, mainly grey inclusions, self slip.
191:11	99	-2	Bowl, very hard-fired, light red fabric, light grey core, very fine, light yellowish-green slip with bright red spots, wheel-burnished to a high lustre; import.

#### Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
192:1	448	-1	Bowl, medium-hard-fired, light brown fabric, greyish-brown core, medium-coarse, multicoloured inclusions, light yellowish-brown slip.
192:2	35	-1	Bowl, hard-fired, pinkish-orange fabric, very fine, light brown slip on rim, red paint.
192:3	100	-1	Bowl, hard-fired, reddish-brown fabric, greyish-brown core, medium-fine, some grey inclusions, red slip.
192:4	32	-1	Carinated bowl, hard-fired, brown fabric, orange core, medium-coarse, mainly grey inclusions, self slip exterior, red paint on rim and interior.
192:5	418	-4	Carinated bowl, medium-hard-fired, light yellowish-red fabric exterior, dark grey fabric interior, medium-coarse, multicoloured inclusions, yellowish-red slip; ribbed on exterior.
192:6	335	-2	Carinated bowl, hard-fired, yellowish-brown fabric, medium-coarse, multicoloured inclusions, light yellowish-brown slip.
192:7	427	-6	Carinated bowl, soft-fired, light grey fabric, medium-fine, red slip.
192:8	396	-2	Carinated bowl, hard-fired, light yellowish-brown fabric, medium-coarse, multicoloured inclusions, yellow and red slip, burnished.
192:9	396	-3	Bowl, hard-fired, light reddish-brown fabric, medium-coarse, multicoloured inclusions, red and brown slip, burnished.
192:10	390	-3	Bowl, hard-fired, light greyish-brown fabric, medium-coarse, multicoloured inclusions, light yellowish-brown slip, red paint on rim.
192:11	11	-1	Bowl, hard-fired, reddish-brown fabric, greyish-brown core, medium-coarse, multicoloured inclusions, creamy-white slip.
192:12	441	-2	Small bowl/krater with two lug handles, medium-hard-fired, light brown fabric, thin dark grey core, medium-fine, light brownish-yellow slip.
192:13	501	-2	Chalice, soft-fired, light brownish-red fabric, medium-fine, light yellowish-red slip, yellowish-red paint on rim.

#### Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
193:1	40	N744	Incense cup with three legs and handle, medium-hard-fired, yellowish-brown fabric, coarse, mainly white inclusions, self slip (see also Fig. 194 right).

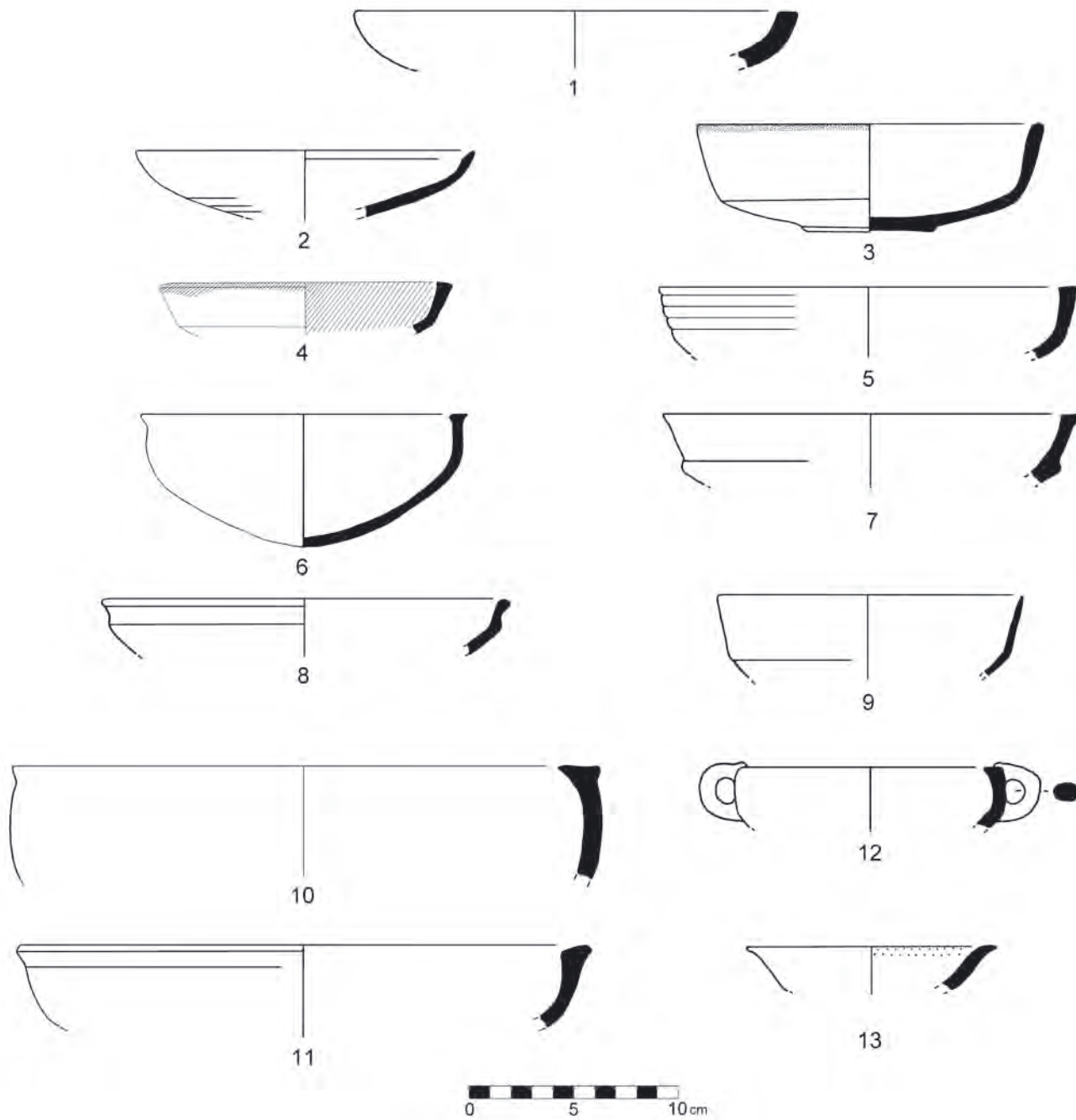


Fig. 192 Pottery from Phase XIV, Area 7

- |   |  |
|---|--|
| <p>193:2 15 -1 Incense cup with three legs (handle?), medium-hard-fired, light brown fabric, coarse, mainly white inclusions, self slip (see also Fig. 194 left).</p> <p>193:3 471 N1280 Tripod bowl, wheel/hand-made, very hard-fired, lilac fabric, thick grey core, coarse, mainly white inclusions, yellowish-green slip.</p> | <p>193:4 142 -1 Krater, hard-fired, light brown fabric, grey core, medium-coarse, multicoloured inclusions, yellow slip.</p> <p>193:5 125 N1080 Krater with four handles, hard-fired, greyish-brown fabric, light grey core, medium-coarse, mainly white inclusions, light brown slip.</p> |
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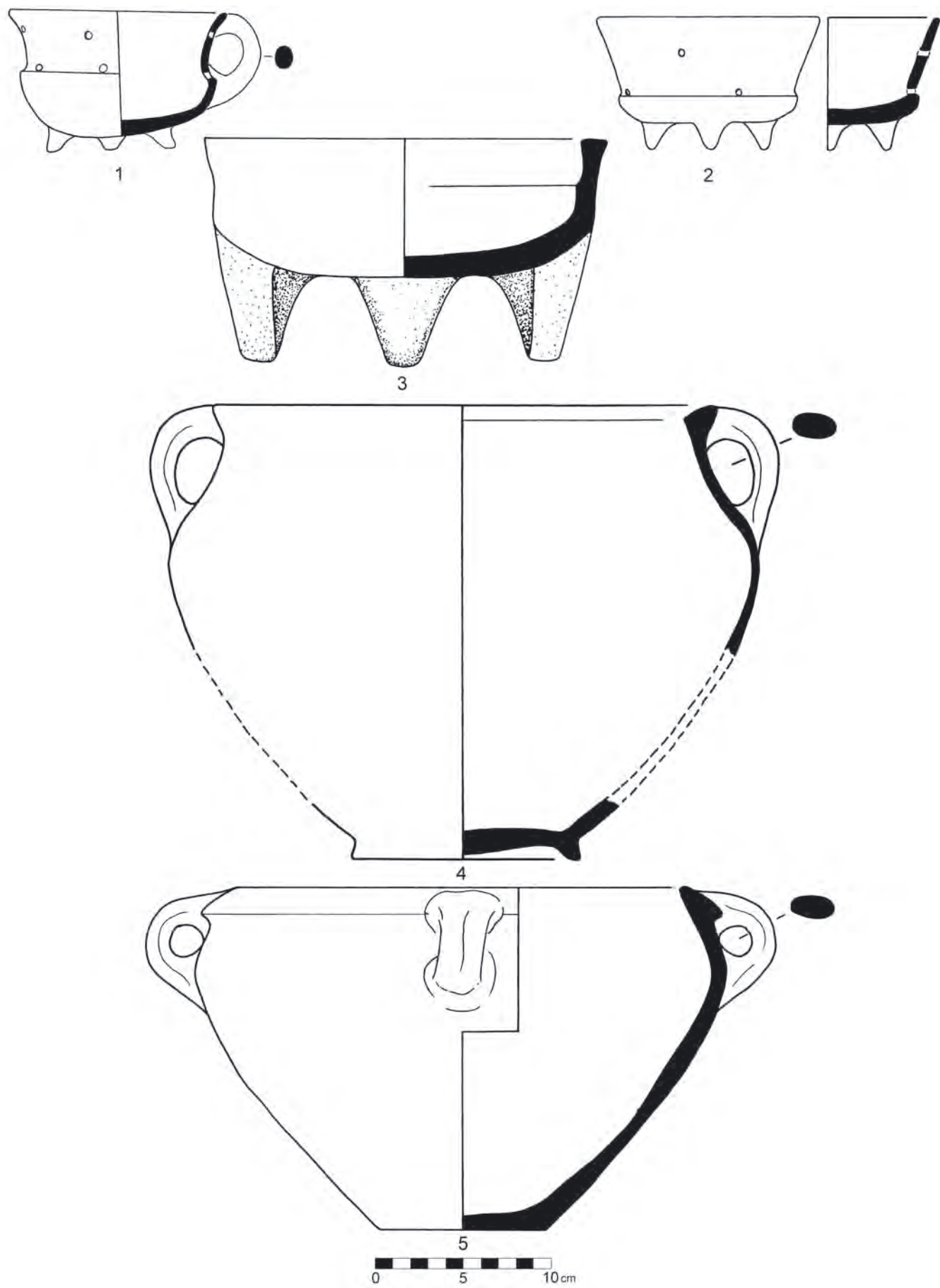


Fig. 193 Pottery from Phase XIV, Area 7

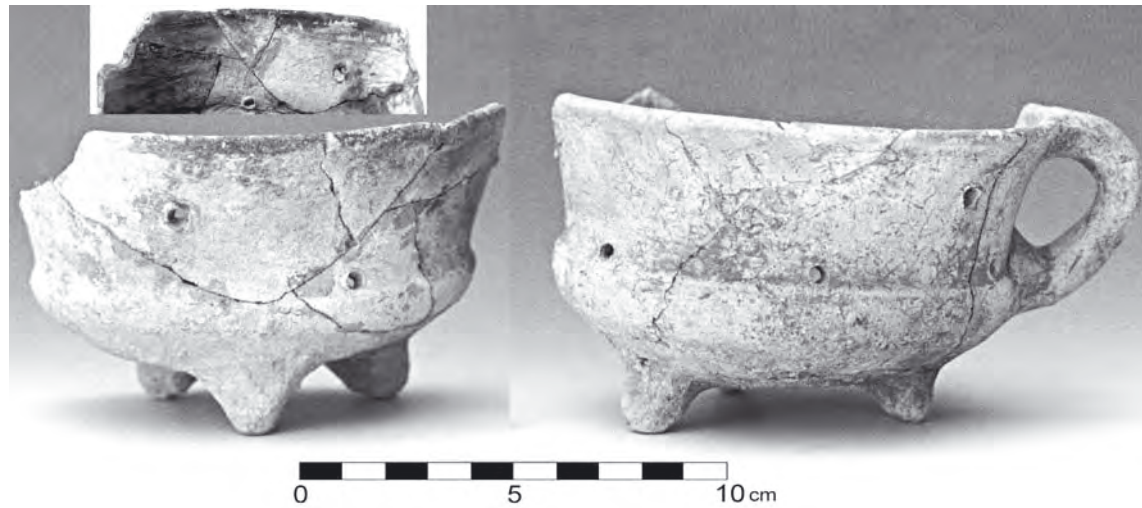


Fig. 194 Incense cups L15-1 and N744 from Phase XIV, Area 7

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
195:1	380	N1215	Krater, medium-hard-fired, light brown fabric, coarse, multicoloured inclusions, orange slip.
195:2	380	N1225	Krater, hard-fired, light brown fabric, coarse, multicoloured inclusions, light yellowish-brown slip.
195:3	370	N1198	Krater, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, orangish-yellow slip.
195:4	418	-6	Krater, soft-fired, light brown fabric, coarse, multicoloured inclusions, self slip.
195:5	417	-5	Krater, hard-fired, greyish-brown fabric, coarse, mainly black inclusions, light brownish-yellow slip, neck ridge.
195:6	416	-1	Krater, medium-hard-fired, greyish-brown fabric, medium-fine, orangish-red slip.
195:7	381	-2	Krater, medium-hard-fired, light brown fabric, coarse, mainly dark inclusions, light brown slip.
195:8	422	-1	Krater, very hard-fired, light brown fabric, medium-fine, light yellowish-brown slip.
195:9	431	-1/1	Krater, hard-fired, light brown fabric, coarse, mainly grey inclusions, light reddish-yellow slip.
195:10	353	-1	Krater, medium-hard-fired, greyish-brown fabric, black core, medium-coarse, multicoloured inclusions, red to reddish-brown paint.
195:11	354	-1	Krater, medium-hard-fired, light brown fabric, grey core, coarse, multicoloured inclusions, pinkish-yellow slip, red paint on rim and handle.

195:12	381	-11	Krater, medium-hard-fired, brownish-red fabric, coarse, multicoloured inclusions, light brownish-red slip.
195:13	126	-1	Krater, very hard-fired, light brown fabric, medium-fine, light yellowish-brown slip; marked step on neck.
195:14	6	-1	Krater, hard-fired, orangish-brown fabric, grey core, medium-coarse, grey inclusions, thin orange slip, red paint on rim and thin red painted line on shoulder; marked step on neck.

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
196:1	W579	-4	Krater/hole-mouth jar, hard-fired, light reddish-brown fabric, light grey core, medium-coarse, a few white inclusions, light yellow slip.
196:2	390	-4	Krater/hole-mouth jar, hard-fired, light reddish-brown fabric, grey core, medium-fine, light yellowish-brown slip.
196:3	145	-1	Krater/hole-mouth jar, hard-fired, light brown fabric, grey core, medium-fine, some white inclusions, yellow slip.
196:4	381	-4	Krater, hard-fired, light brown fabric, grey core, coarse, multicoloured inclusions, yellow slip.
196:5	348	-3	Krater, medium-hard-fired, light reddish-brown fabric, coarse, multicoloured inclusions, light reddish-brown slip.
196:6	381	-3	Krater, hard-fired, light brown fabric, coarse, white inclusions, yellow slip.
196:7	335	-4	Krater, hard-fired, light brown fabric, coarse, dark grey inclusions, light yellowish-brown slip, red paint on rim.

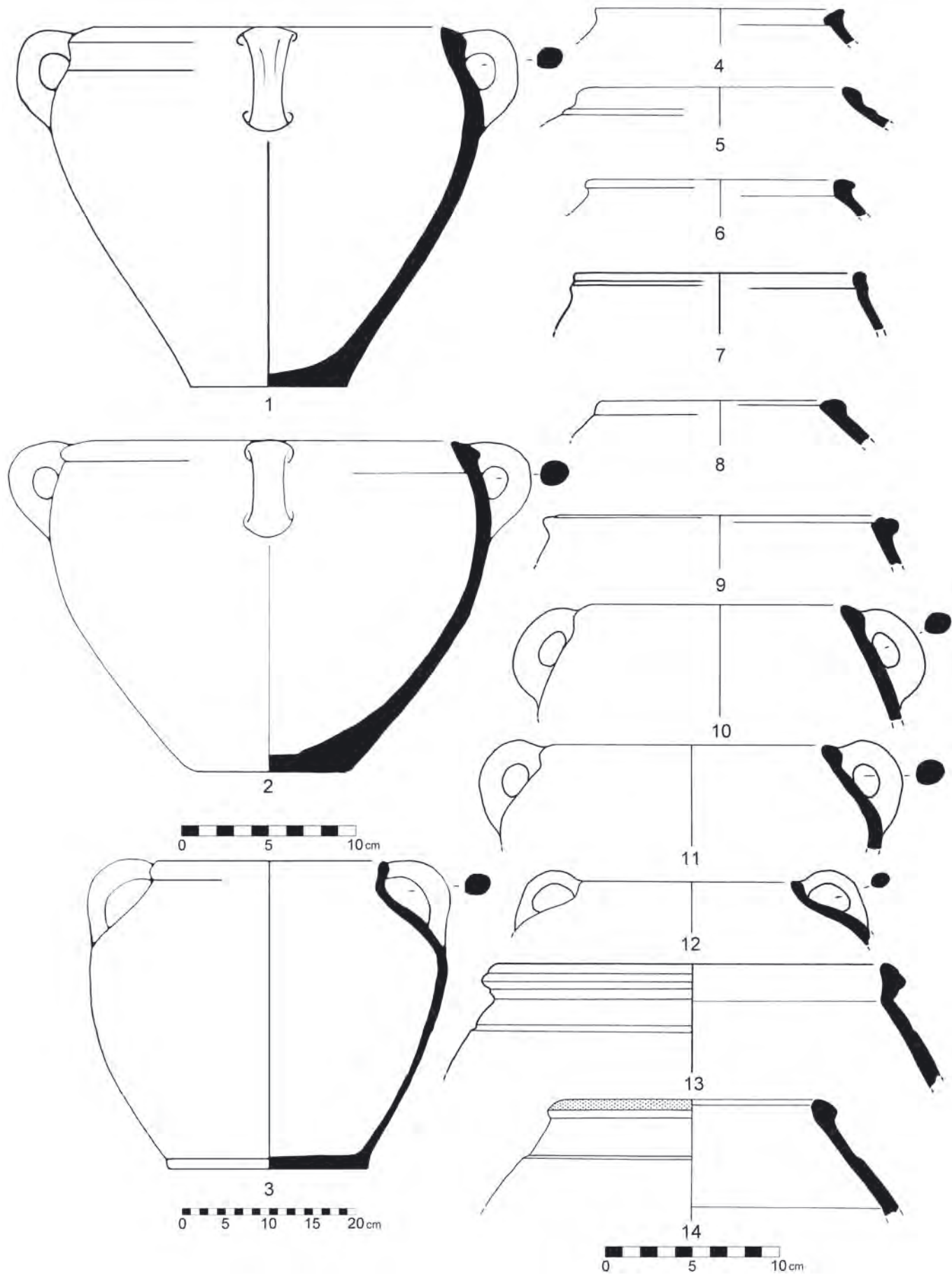


Fig. 195 Pottery from Phase XIV, Area 7

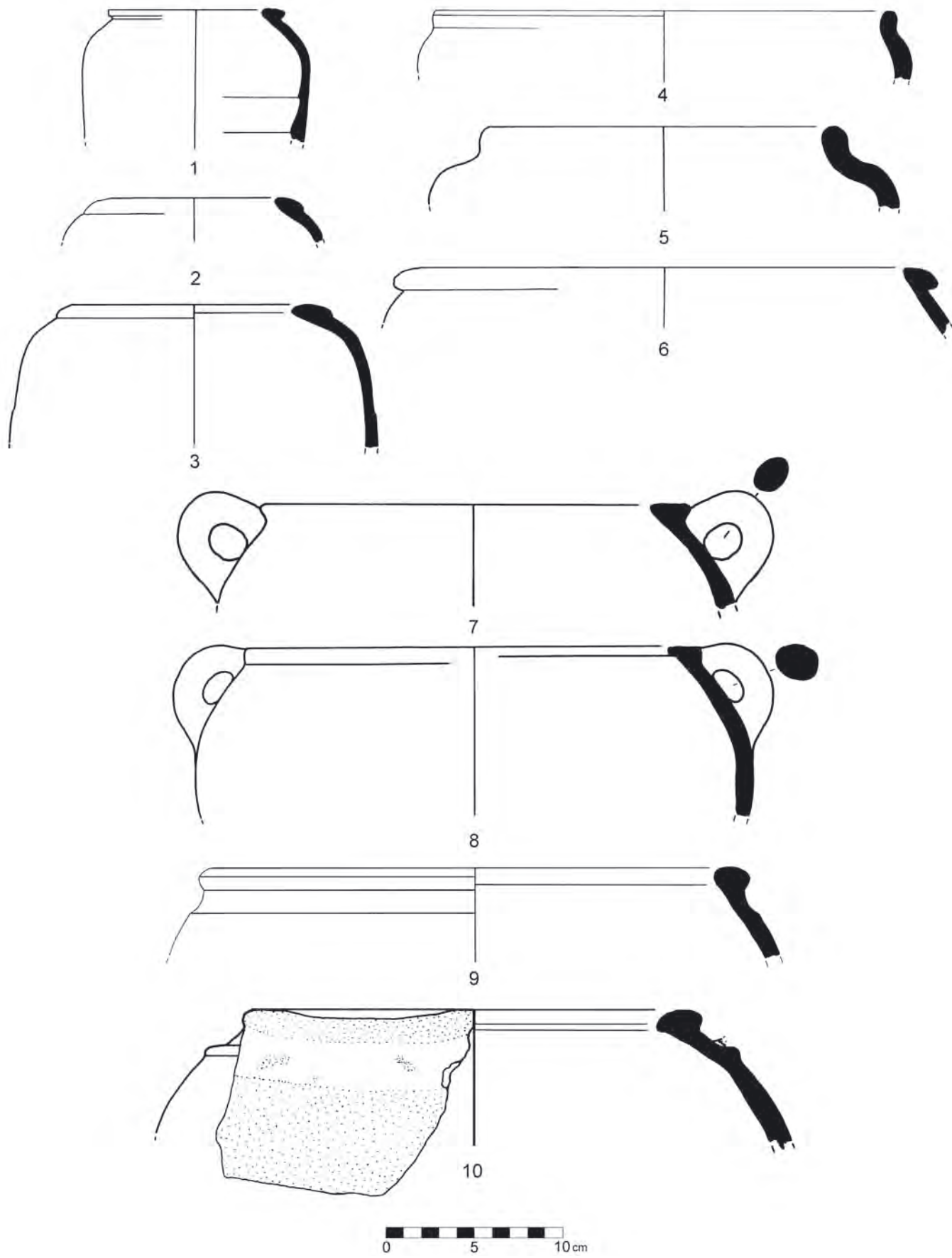


Fig. 196 Pottery from Phase XIV, Area 7

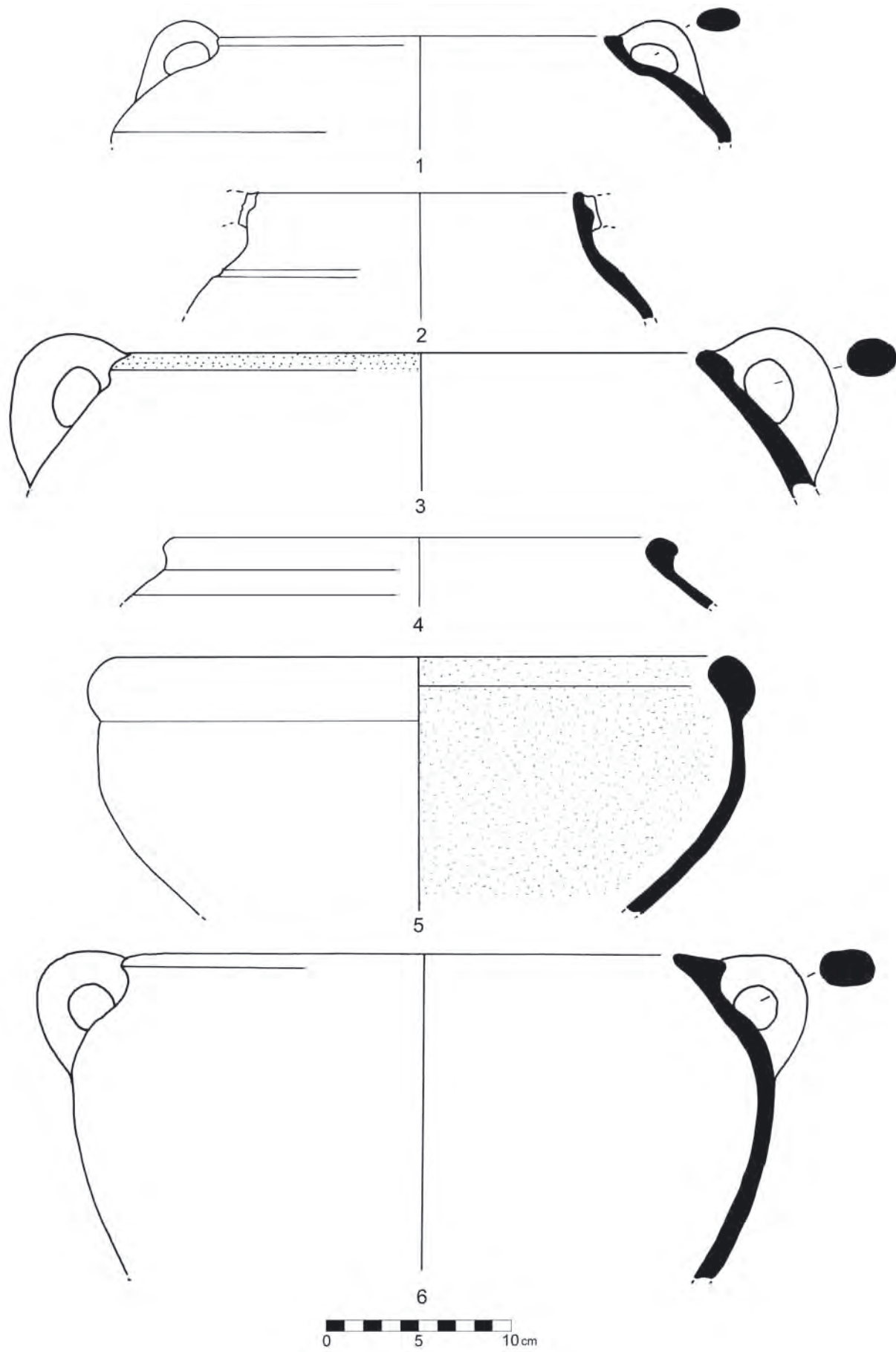


Fig. 197 Pottery from Phase XIV, Area 7

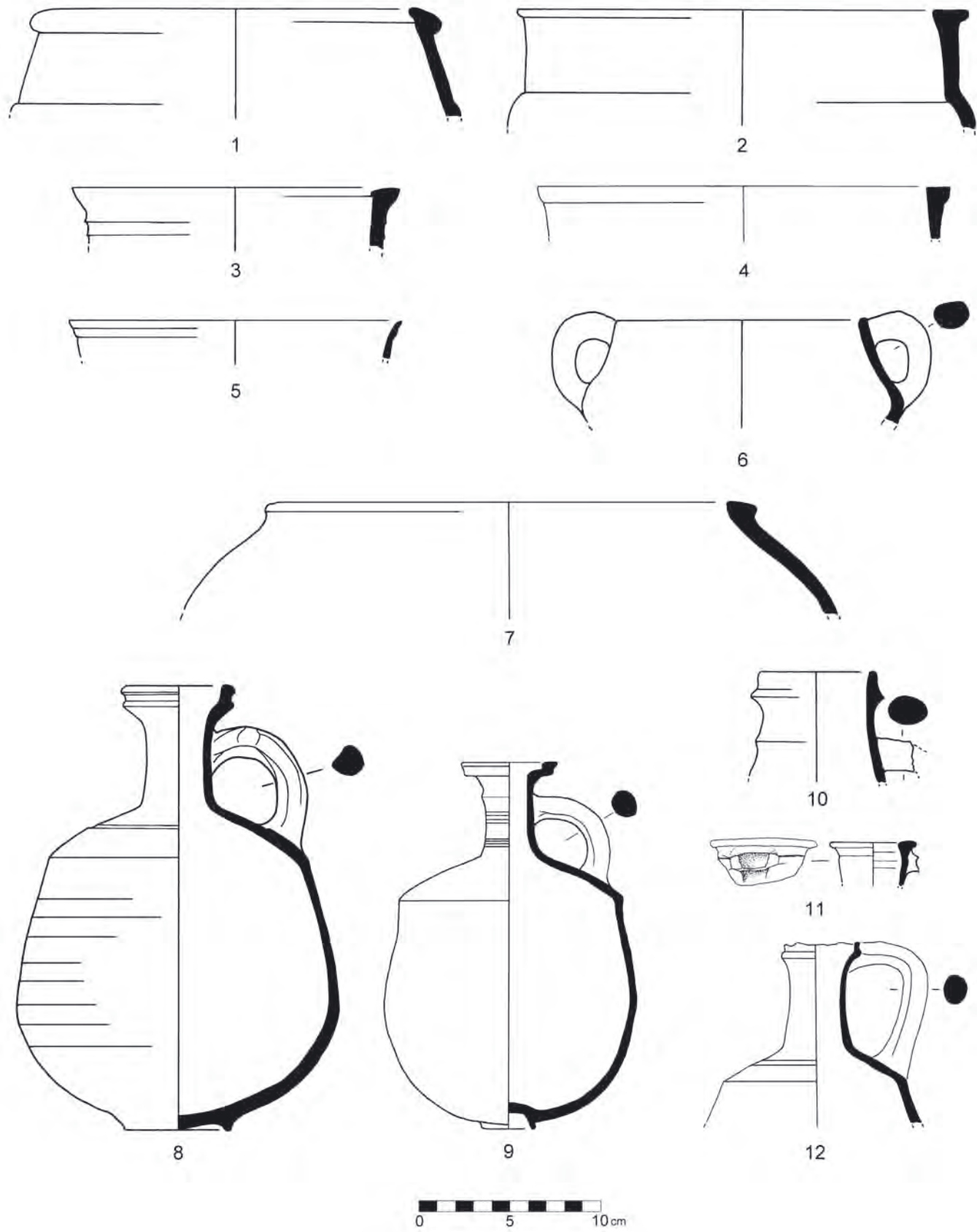


Fig. 198 Pottery from Phase XIV, Area 7



196:8	371	-1	Krater, medium-hard-fired, light brown fabric, light grey core, fine with a few coarse inclusions, light yellowish-brown slip.
196:9	32	-2	Krater, medium-hard-fired, light brown fabric, brown core, medium-coarse, mainly grey and black inclusions, orangish-brown slip; small neck ridge.
196:10	160	-1	Krater, medium-hard-fired, light brown fabric, light brown core, medium-coarse, mainly grey and black inclusions, orangish-brown slip, traces of red wash; neck ridge.

Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
197:1	431	-1/2	Krater, hard-fired, light brown fabric, grey core, coarse, multicoloured inclusions, yellow slip.
197:2	483	-3	Krater, hard-fired, light-brownish-red fabric, thick dark grey core, medium-coarse, mainly white inclusions, self slip; incision on neck.
197:3	W579	-1	Krater, hard-fired, light brown fabric, medium-coarse, mainly black and white inclusions, yellow slip, traces of red paint on rim exterior.
197:4	472	-3	Krater, medium-hard-fired, light-greyish-brown fabric, grey core, coarse, mainly black inclusions, yellow slip, red paint on rim.

197:5	134	-2	Krater, hard-fired, greyish-brown fabric, medium-coarse, mainly white inclusions, yellow slip, traces of burnish interior.
197:6	441	-1	Krater, hard-fired, brownish-red fabric, medium-coarse, multicoloured inclusions, self slip.

Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
198:1	427	-2	Krater, hard-fired, light brownish-red fabric, grey core, medium-coarse, mainly black inclusions, light yellowish-red slip.
198:2	438	-1	Krater, medium-hard-fired, light red fabric, thick grey core, medium-coarse, multicoloured inclusions, light orangish-red slip.
198:3	427	-3	Krater, hard-fired, light brown fabric, grey core, medium-fine, yellow slip, red wash on exterior.
198:4	418	-1	Krater, hard-fired, light reddish-brown fabric, light brown core, medium-fine, a few large inclusions, light orangish-yellow slip, traces of red paint on rim.
198:5	448	-3	Krater (or large bowl), medium-hard-fired, dark grey fabric exterior, brownish-red fabric interior, medium-fine, light reddish-brown slip.
198:6	483	-2	Krater, hard-fired, brown fabric, medium-fine, light brown slip, red paint on rim and parts on exterior.



Fig. 199 Jugs/decanter N1078 (left) and N731, Phase XIV, Area 7

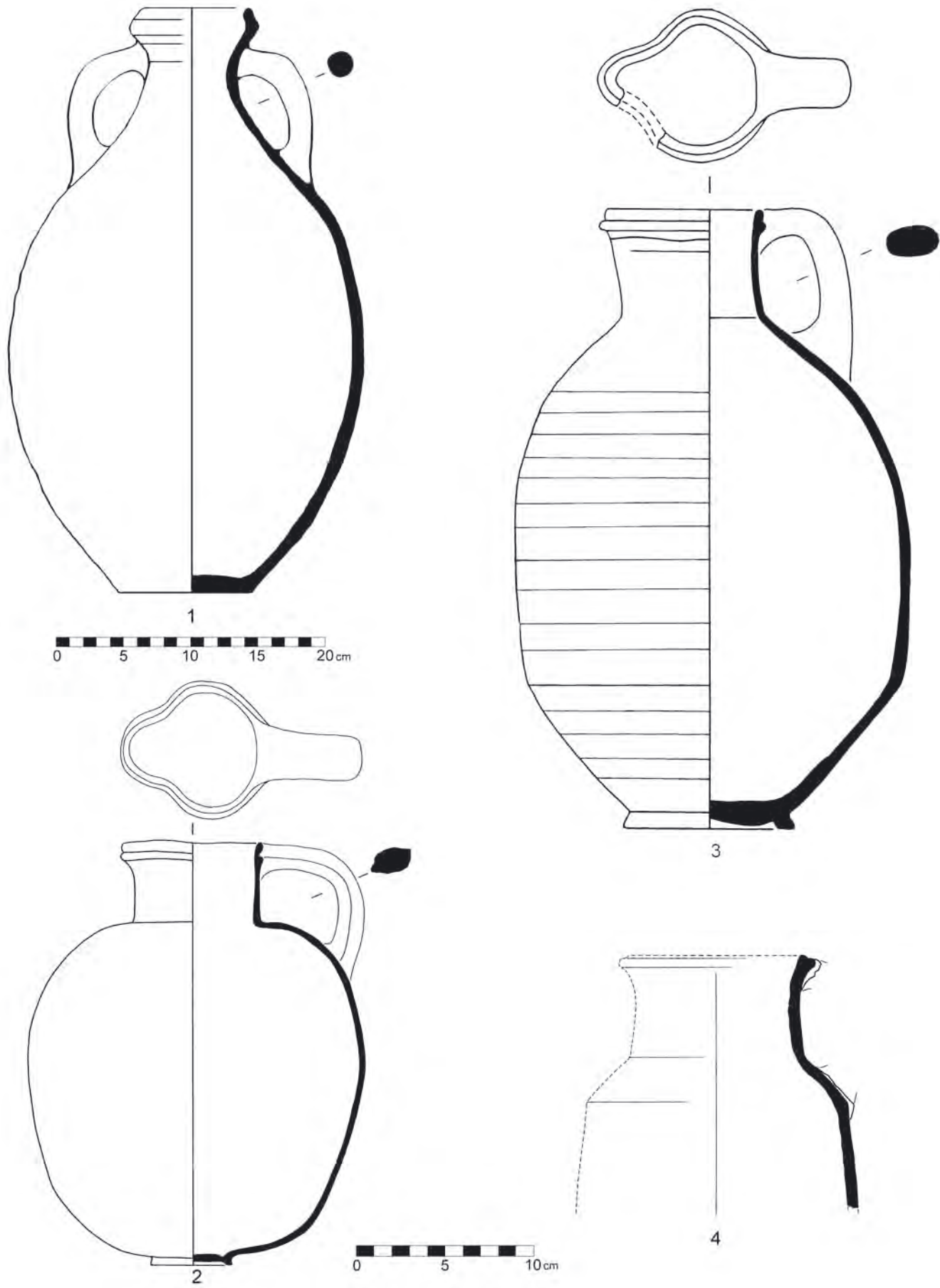


Fig. 200 Pottery from Phase XIV, Area 7

198:7	491	-2	Krater, hard-fired, greyish-brown fabric, coarse, mainly grey inclusions, self slip.
198:8	129	N1078	Jug-decanter, hard-fired, grey fabric, brown core, medium-fine, mainly white inclusions, self slip; incisions on shoulder (see Fig. 199 left).
198:9	45	N731	Jug-decanter, hard-fired, light greyish-brown fabric, medium-fine, brownish-red slip; incisions on neck (see Figs. 199 right and 458:2).
198:10	335	-3	Jug-decanter, hard-fired, light greyish-brown fabric, medium-coarse, multicoloured inclusions, yellow slip; neck ridge.
198:11	155	-1	Jug-decanter, hard-fired, light brownish-red fabric, medium-coarse, mainly white inclusions, light brown slip.
198:12	W164	-1	Jug-decanter, hard-fired, dark orangish-red fabric, light grey core, very fine, light brown slip; incisions on shoulder.

#### Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
200:1	375	N1207	Jug with two handles, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, light red slip (see Fig. 201).
200:2	42	N730	Jug, hard-fired, reddish-brown fabric, grey core, medium-fine, pinkish-yellow slip; jug contained 41 <i>astragals</i> (see also Figs. 187B and 458:4).
200:3	12	N659	Jug with trefoil mouth and one handle, hard-fired, dark orangish-brown fabric, coarse, thick light orangish-brown slip (see Fig. 202).
200:4	45	N909	Jug-decanter with wide neck and mouth, hard-fired, reddish-brown fabric, medium-coarse, multicoloured inclusions, orangish-brown slip.



Fig. 201 Jug N1207 from Phase XIV, Area 7

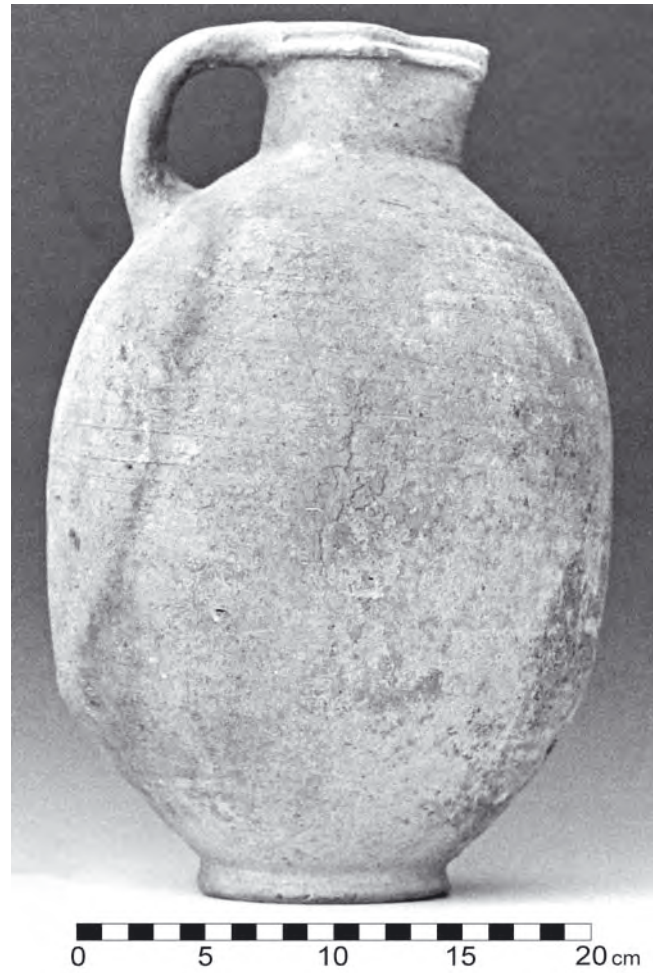


Fig. 202 Jug N659 from Phase XIV, Area 7

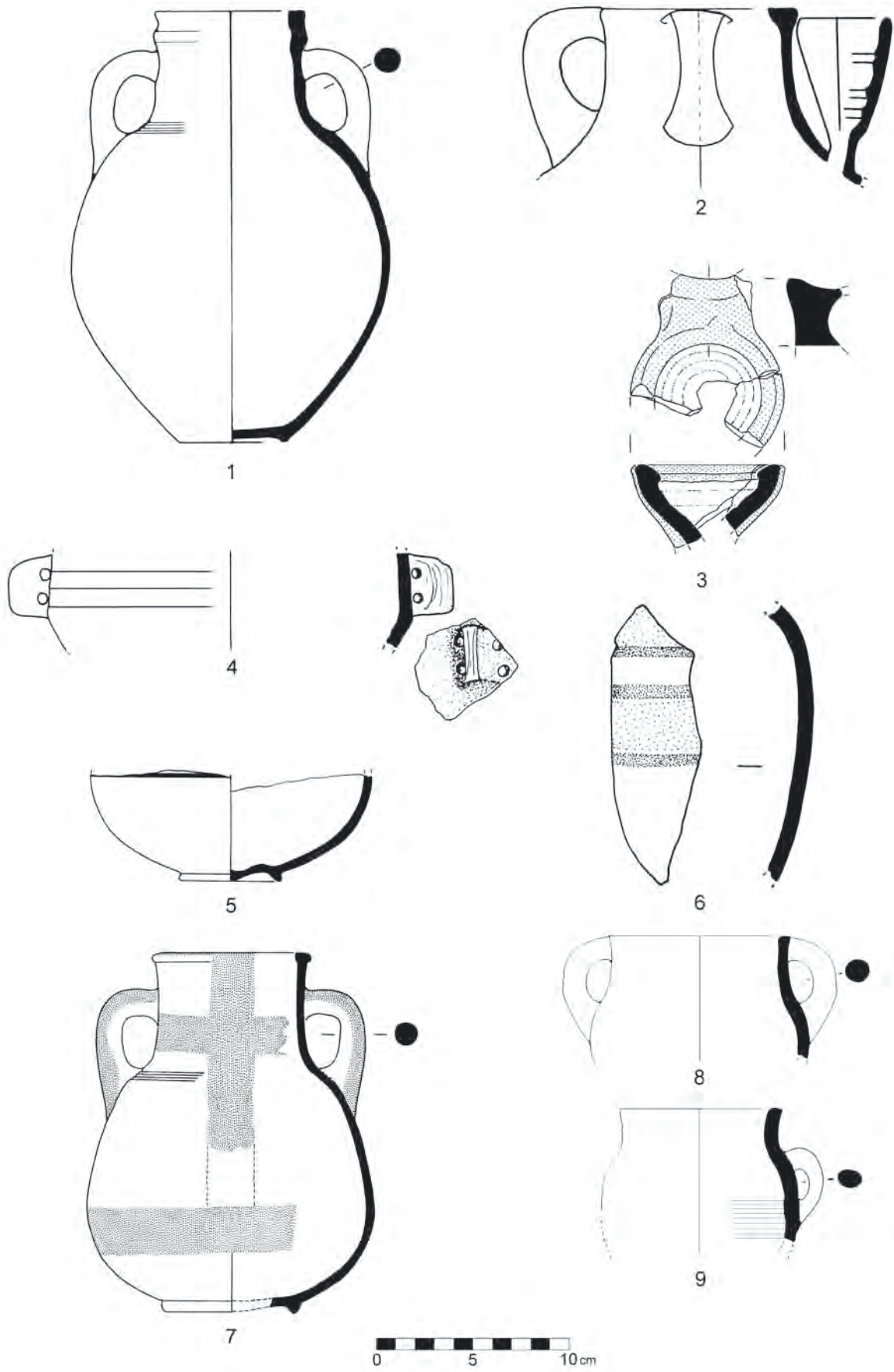


Fig. 203 Pottery from Phase XIV, Area 7

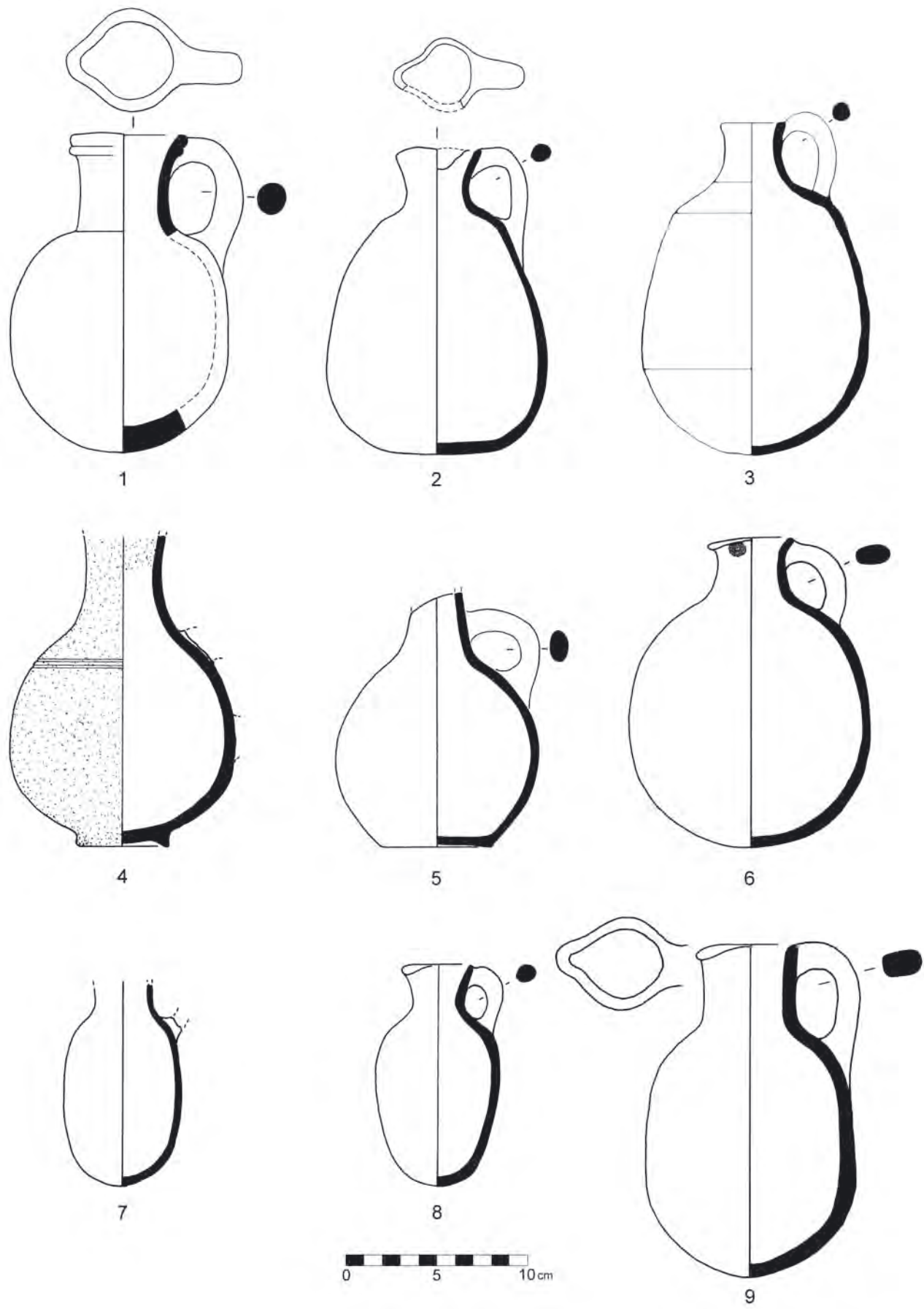


Fig. 204 Pottery from Phase XIV, Area 7

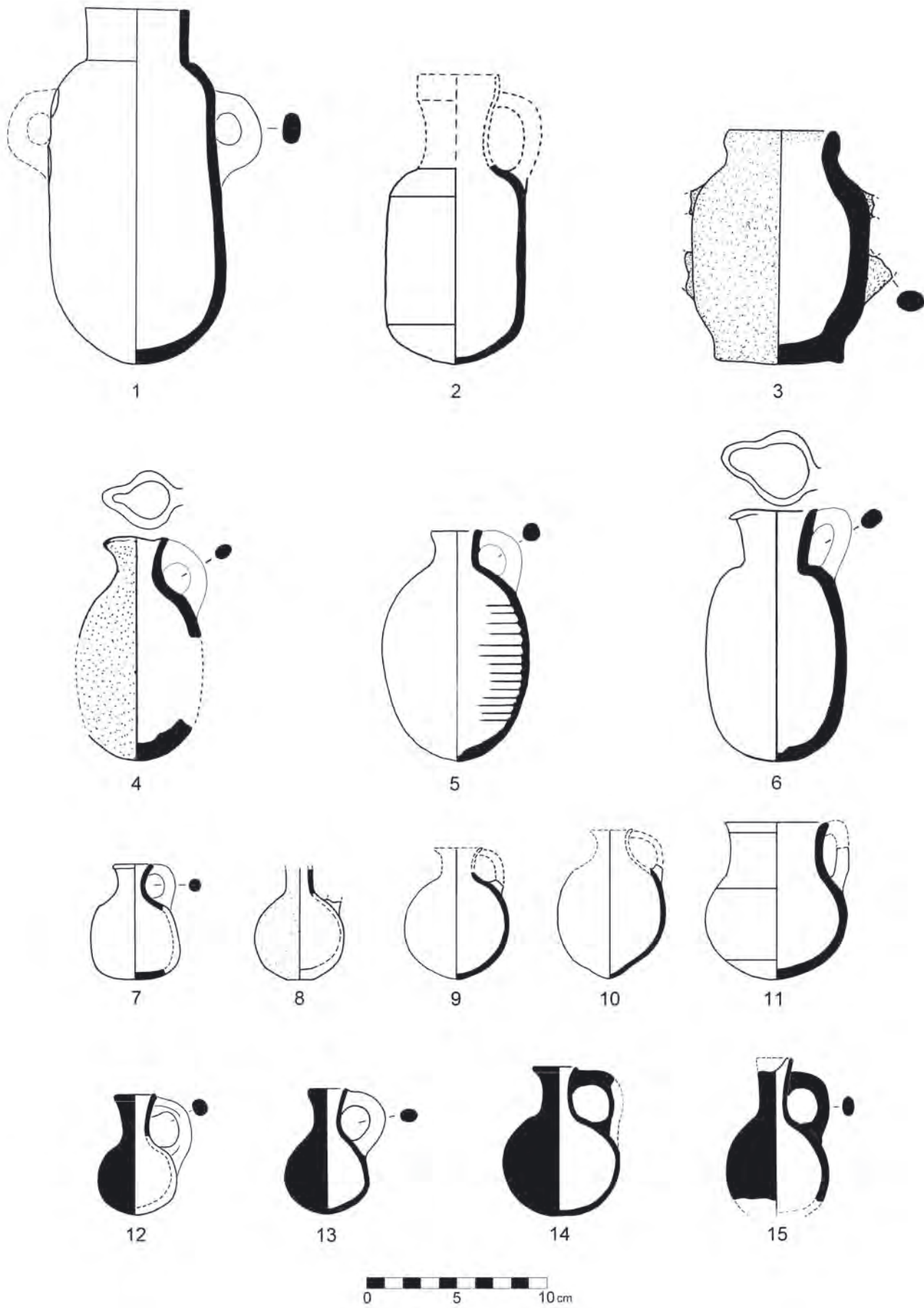


Fig. 205 Pottery from Phase XIV, Area 7

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
203:1	380	N1227	Jug, hard-fired, dark grey fabric, medium-coarse, mainly white inclusions, self slip.
203:2	360	-1	Jug with attached spout, hard-fired, light brownish-red fabric, light red core, medium-fine, light greyish-yellow slip, traces of burnish.
203:3	32	N679	Jug, spout, hard-fired, orange fabric, greyish-brown core, coarse, grey and black inclusions, self slip, red paint on lip and exterior.
203:4	483	-4	Jug(?), wheel-made/hand-made, light brown fabric exterior, grey fabric interior, medium-fine, light red slip; double-pierced handles.
203:5	45	-1	Jug, hard-fired, reddish-brown fabric, coarse, mainly white inclusions, self slip, burnished to a high lustre; Phoenician import.
203:6	151	-1	Jug, hard-fired, yellowish-brown fabric, grey core, medium-coarse, mainly black inclusions, light yellow slip, light brown and dark brown decoration.
203:7	6	N665	Jug with two handles, medium-hard-fired, light red fabric, medium-fine, some grey inclusions, thin orange slip, brown decoration; incisions on shoulder; copy of Phoenician jug (import?).
203:8	354	-3	Juglet, hard-fired, light brown fabric, medium-fine, light greyish-orange slip.
203:9	381	-1	Juglet, medium-hard-fired, light brown fabric, coarse, mainly grey inclusions, yellowish-brown slip.

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
204:1	40	N742	Juglet with trefoil mouth, medium-hard-fired, greyish-brown fabric, coarse, white inclusions, self slip; possible traces of black paint (see Fig. 206).
204:2	10	N627	Juglet with trefoil mouth, hard-fired, light brown fabric, medium-coarse, thin yellowish-brown slip (see Fig. 207).
204:3	353	N1202	Juglet, hard-fired, light brown fabric, coarse, mainly white inclusions, pinkish-yellow slip.
204:4	130	N1082	Juglet, medium-hard-fired, light brown fabric, fine, yellow slip, red paint; incisions on shoulder.
204:5	40	N698	Juglet, medium-hard-fired, yellowish-grey fabric, medium-fine, traces of red slip.
204:6	418	N1255	Juglet, hard-fired, light brown fabric, medium-fine, yellow slip, impressed decoration in the shape of an eye.
204:7	420	N1264	Juglet (shaved), hard-fired, light brown fabric, grey core, medium-coarse, mainly white inclusions, self slip, vertically burnished.

204:8	471	N1278	Juglet, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip.
204:9	471	N1282	Juglet, medium-hard-fired, light greyish-brown fabric, coarse, mainly white inclusions, self slip (see Fig. 207).

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
205:1	40	N741	Juglet with two handles, hard-fired, light yellowish-brown fabric, coarse, white inclusions, light brown slip (see Fig. 206).
205:2	375	N1208	Juglet, medium-soft-fired, light brown fabric, coarse, multicoloured inclusions, light orangish-brown slip.
205:3	130	N1083	Juglet with two handles, hard-fired, brown fabric, fine, self slip, red paint.
205:4	361	-3	Juglet, medium-hard-fired, light brown fabric, medium-fine with a few coarse inclusions, self slip, red paint on exterior and on interior of rim.
205:5	334	N1175	Juglet, hard-fired, brownish-yellow fabric, fine, self slip, vertically hand-burnished.
205:6	336	N1183	Juglet, medium-hard-fired, brownish-grey fabric, grey core, medium-coarse, multicoloured inclusions, yellow slip, red paint.
205:7	42	N740	Juglet, medium-hard-fired, greyish-brown fabric, medium-fine inclusions, self slip, red wash (Fig. 207).
205:8	125	N1063	Juglet, hand-made, medium-hard-fired, yellowish-brown fabric, fine, yellowish-brown slip, hand-burnished.
205:9	381	N1236	Juglet, medium-hard-fired, light pinkish-brown fabric, fine, yellowish-pink slip, traces of red paint on handle and body.
205:10	380	N1221	Juglet, hard-fired, reddish-grey fabric, fine, yellowish-grey slip.
205:11	380	N1220	Juglet, medium-hard-fired, light reddish-brown fabric, medium-coarse, multicoloured inclusions, reddish-brown slip.
205:12	101	N906	Black Juglet, hard-fired, greyish-brown fabric, medium-fine, thick black slip, vertically burnished (see also Fig. 249 right).
205:13	491	N1293	Black Juglet, hard-fired, dark grey fabric, medium-fine, multicoloured inclusions, black slip, randomly hand-burnished.
205:14	10	N626	Black Juglet, medium-hard-fired, greyish-black fabric, light grey core, medium-fine, some white inclusions, black slip, vertically burnished (see Fig. 206).
205:15	6	N675	Black Juglet, medium-hard-fired, greyish-black fabric, medium-fine, black slip, vertically burnished (see Fig. 206).



Fig. 206 Juglets from Phase XIV, Area 7; from left: N626, N675, N741 and N742



Fig. 207 Juglets from Phase XIV, Area 7, left upper: N740; left lower: N627 and right: N1282.



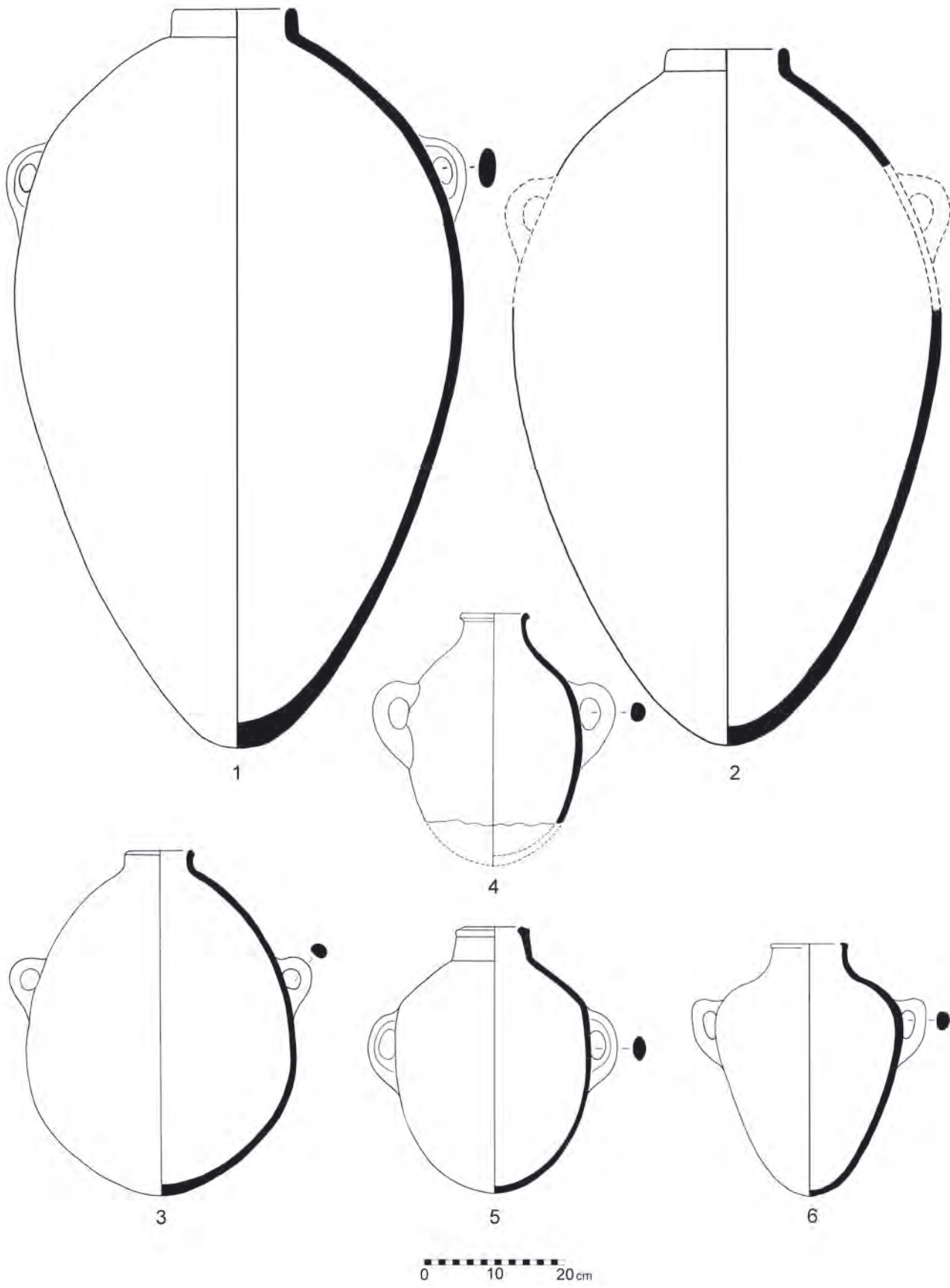


Fig. 208 Pottery from Phase XIV, Area 7

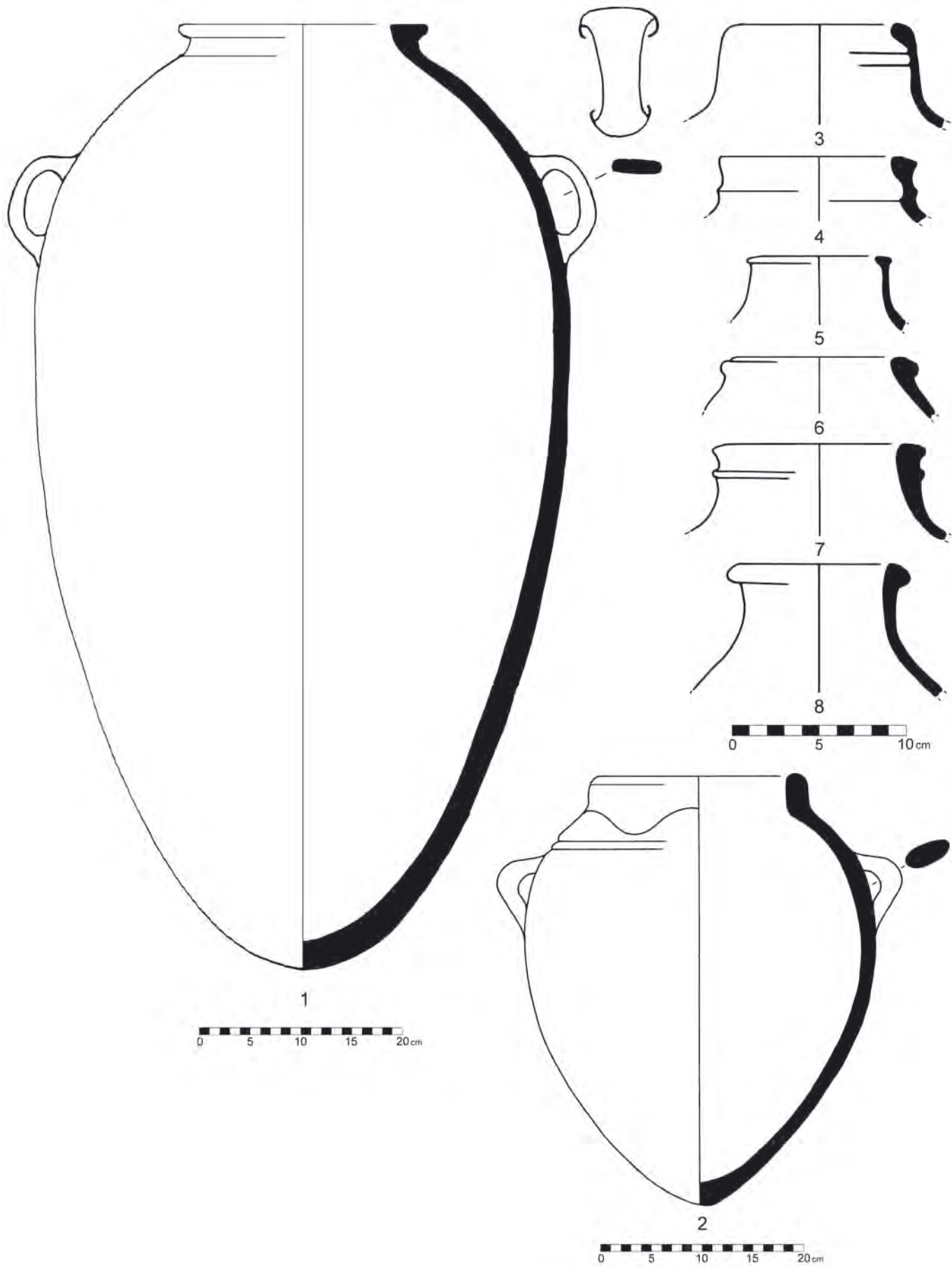


Fig. 209 Pottery from Phase XIV, Area 7

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
208:1	10	N629	Storage jar, medium-hard-fired, brownish-grey fabric, thick dark grey core, coarse, mainly white inclusions, self slip.
208:2	10	N628	Jar, medium-hard-fired, reddish-brown fabric, thick dark grey core, coarse, mainly white inclusions, self slip.
208:3	11	-2	Jar, hard-fired, brown fabric, grey core, medium-coarse, mainly white inclusions, thick creamy-white/pinkish-orange slip.
208:4	11	N660	Jar, hard-fired, orangish-brown fabric, grey core, medium-fine, grey inclusions, self slip.
208:5	12	N661	Jar, hard-fired, greyish-brown fabric, coarse, grey and black inclusions, light brown slip.
208:6	353	N1195	Jar, very hard-fired, dark grey fabric, medium-coarse, multicoloured inclusions, light yellowish-brown slip.

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
209:1	366	N1201	Storage jar, medium-hard-fired, light brown fabric, coarse, multicoloured inclusions, self slip.
209:2	471'	N1281	Storage jar, hard-fired, light brown fabric, greyish-brown core, coarse, mainly black inclusions, self slip; incised wavy line on shoulder; incised wavy and straight lines on shoulder.
209:3	364	-1	Storage jar, hard-fired, light reddish-brown fabric, light brown core, coarse, multicoloured inclusions, light yellowish-brown slip.
209:4	360	-5	Jar, hard-fired, red fabric, reddish-brown core, fine, light bluish-grey slip; neck ridge.
209:5	353	-2	Jar, very hard-fired, light yellowish grey fabric, thick black core, coarse, mainly white inclusions, light yellowish-grey slip possibly mixed up with salt water (?).
209:6	360	-6	Jar, medium-hard-fired, light brown fabric, grey core, medium-coarse, mainly grey inclusions, light yellowish-brown slip.
209:7	336	-5	Jar, hard-fired, light brown fabric, thick grey core, coarse, mainly white inclusions, light greyish-yellow slip; neck ridge.
209:8	361	-2	Jar, hard-fired, light brown fabric, coarse, mainly grey inclusions, light yellowish-brown slip.

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
210:1	147	-1	Storage jar, hard-fired, light brown fabric, thick grey core, coarse, mainly white inclusions, light brown slip; neck ridge.
210:2	130	-1/1	Jar, very hard-fired, reddish-brown fabric, thick grey core, coarse, mainly white inclusions, light yellow slip; neck ridge.
210:3	130	-1/2	Jar, medium-hard-fired, light yellowish-red fabric, coarse, mainly black inclusions, self slip; neck ridge.
210:4	134	-1	Jar, hard-fired, light brown fabric, coarse, multicoloured inclusions, self slip; neck ridge.
210:5	418	-3	Jar, hard-fired, light brownish-yellow fabric, medium-coarse, multicoloured inclusions, thick yellowish-white slip.
210:6	418	-7	Jar, medium-hard-fired, light yellowish-red fabric, coarse, mainly black inclusions, self slip.
210:7	420	-1	Jar, hard-fired, reddish-brown fabric, grey core, medium-coarse, mainly white inclusions, light yellow slip.
210:8	418	-2	Jar, medium-hard-fired, greyish-brown fabric, coarse, mainly grey inclusions, self slip.
210:9	418	-5	Jar, hard-fired, brownish-red fabric, medium-coarse, mainly black inclusions, light yellowish-red slip.
210:10	381	-5	Jar, medium-hard-fired, light greyish-brown fabric, coarse, mainly grey inclusions, light grey slip.
210:11	381	-6	Jar, medium-hard-fired, yellowish-brown fabric, coarse, multicoloured inclusions, yellowish-red slip.
210:12	391	-2	Jar, medium-hard-fired, yellowish-brown fabric, coarse, multicoloured inclusions, yellowish-red slip.
210:13	348	-2	Jar, hard-fired, light brown fabric, thick dark grey core, coarse, mainly white inclusions, light yellowish-brown slip.
210:14	361	-4	Jar, medium-hard-fired, light brown fabric, coarse, mainly black inclusions, light yellowish-brown slip.
210:15	360	-4	Storage jar with collar, hard-fired, light brownish-red fabric, thick grey core, coarse, mainly white inclusions, light yellowish-brown slip; neck ridges.
210:16	380	-1	Jar, hard-fired, light greyish-brown fabric, light grey core, medium-coarse, multicoloured inclusions, light greyish-brown slip; neck ridge.
210:17	342	-1	Storage jar with collar, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, light red slip; neck ridge.

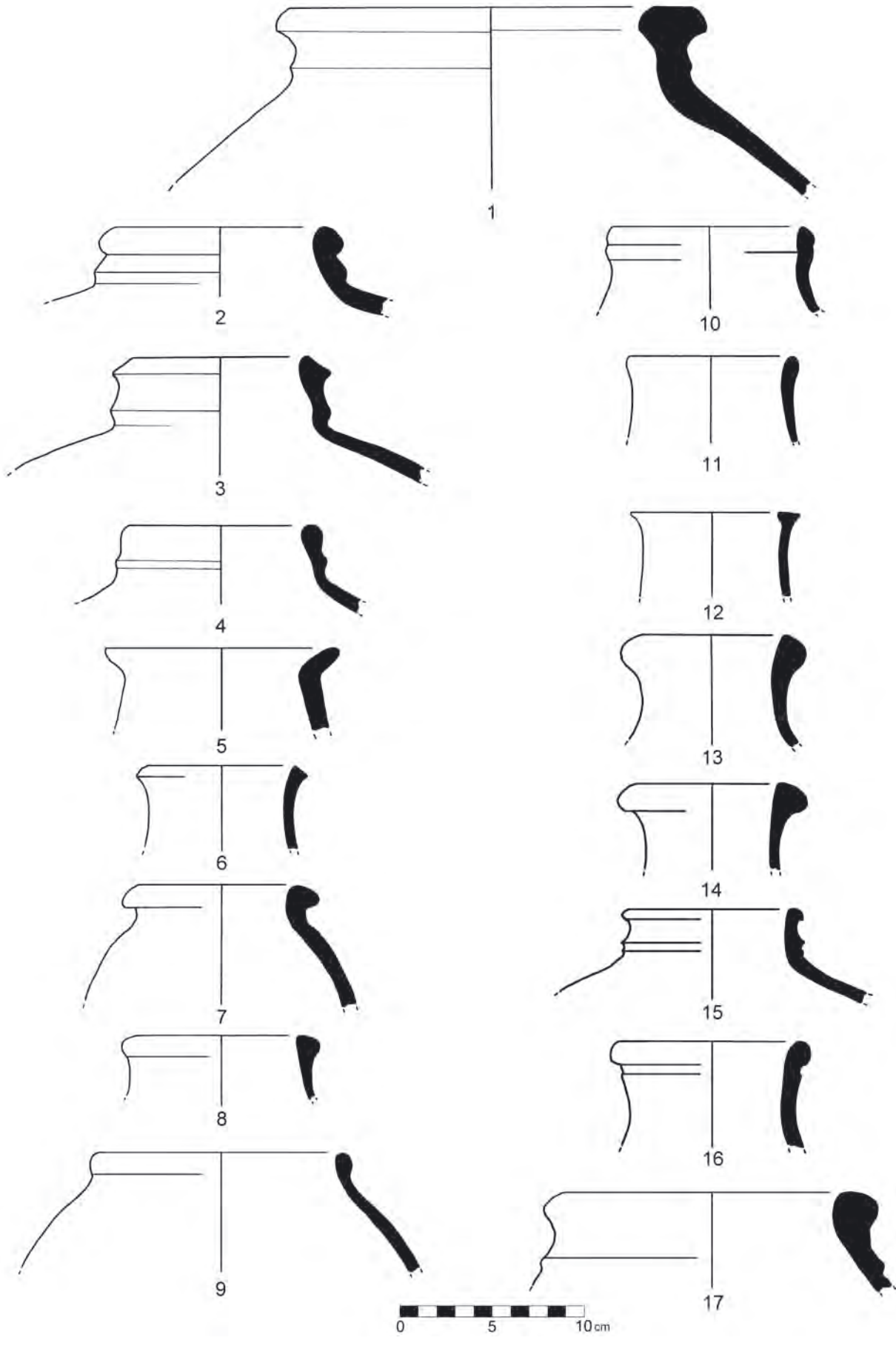


Fig. 210 Pottery from Phase XIV, Area 7

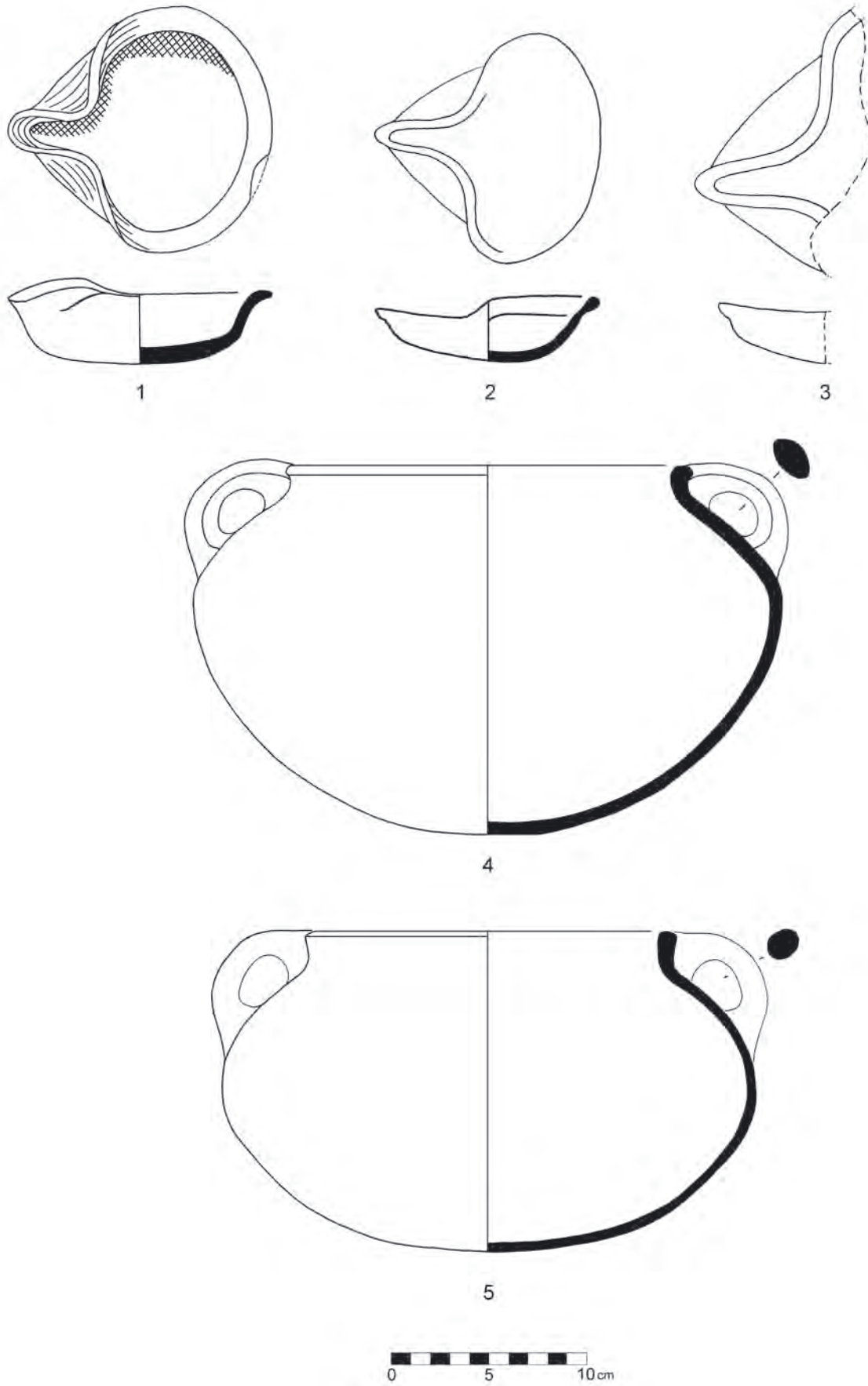


Fig. 211 Pottery from Phase XIV, Area 7

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
211:1	40	N738	Lamp, medium-hard-fired, greyish-brown fabric, coarse, mainly white inclusions, self slip (see also Fig. 212, right).
211:2	336	-1	Lamp, hard-fired, light red fabric, medium-fine, white inclusions, self slip, soot around mouth.
211:3	365	-1	Lamp, hard-fired, reddish-brown fabric, fine, light-yellowish-red slip, traces of soot.
211:4	42	N696	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip.
211:5	12	N676	Cooking pot, medium-hard-fired, brownish-grey fabric, brown core, coarse, multicoloured inclusions, self slip.

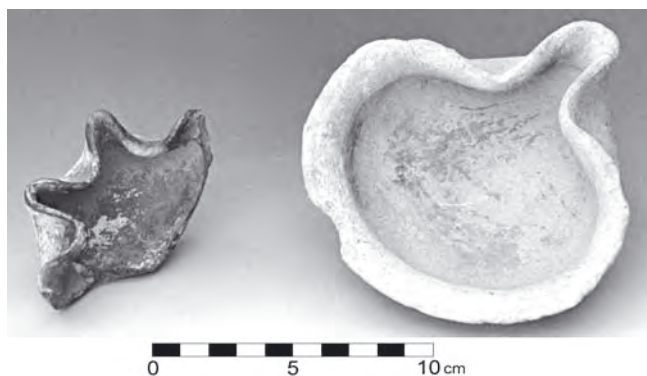


Fig. 212 Lamps from Phase XIV, Area 7: N734 (description below) and N738

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
213:1	147	-3	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip.
213:2	45	N732	Cooking pot, hard-fired, dark greyish-brown fabric, coarse, reddish-brown slip; ridge on shoulder (see Fig. 214).
213:3	11	N658	Cooking pot, medium-hard-fired, reddish-brown fabric, coarse, black and grey inclusions, reddish-brown slip.

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
215:1	137	-2	Cooking pot, hard-fired, brown fabric, coarse, mainly white inclusions, self slip.
215:2	99	-1	Cooking pot, hard-fired, greyish-brown fabric, grey core, medium-coarse, white inclusions, self slip.

215:3	125	-1	Cooking pot, hard-fired, brown fabric, thick grey core, coarse, white inclusions, self slip.
215:4	151	-2	Cooking pot, hard-fired, brown fabric, thick grey core, coarse, white inclusions, self slip.

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
216:1	125	-2	Cooking pot, hard-fired, brown fabric, thick grey core, coarse, white inclusions, self slip.
216:2	501	-1	Cooking pot, medium-hard-fired, light brown fabric, thick black core, coarse, mainly white inclusions, self slip.
216:3	448	-2	Cooking pot, medium-hard-fired, light reddish-brown fabric, coarse, mainly black and white inclusions, self slip.
216:4	483	-1	Cooking pot, hard-fired, red fabric, medium-coarse, white and grey inclusions, red slip.
216:5	501	-3	Cooking pot, medium-hard-fired, light reddish-brown fabric, grey core, coarse, mainly white inclusions, self slip.
216:6	W579	-2	Cooking pot, soft-fired, greyish-brown fabric, coarse, white and quartz inclusions, self slip.

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
217:1	380	N1216	Cooking pot, hard-fired, reddish-brown fabric, coarse, mainly white inclusions, self slip.
217:2	353	N1203	Cooking pot, medium-hard-fired, greyish-brown fabric, coarse, mainly white inclusions, self slip.
217:3	370	-1	Cooking pot, medium-hard-fired, light brown fabric, grey core, medium-coarse, mainly sandy inclusions.

## Legend for the illustrated pottery from Phase XIV, Area 7

Fig.	Locus	No.	Description
218:1	390	-5	Cooking pot, hard-fired, brown fabric, grey core, coarse, mainly white inclusions, self slip.
218:2	335	-1	Cooking pot, hard-fired, reddish-brown fabric, light grey core, coarse, multicoloured inclusions, self slip.
218:3	315	-1	Cooking pot, hard-fired, reddish-brown fabric, grey core, coarse, self slip (possibly disturbed locus).
218:4	W562	-1	Cooking pot, medium-hard-fired, light brown fabric, thick greyish-brown core, medium-coarse, multicoloured inclusions, yellow slip, red paint.

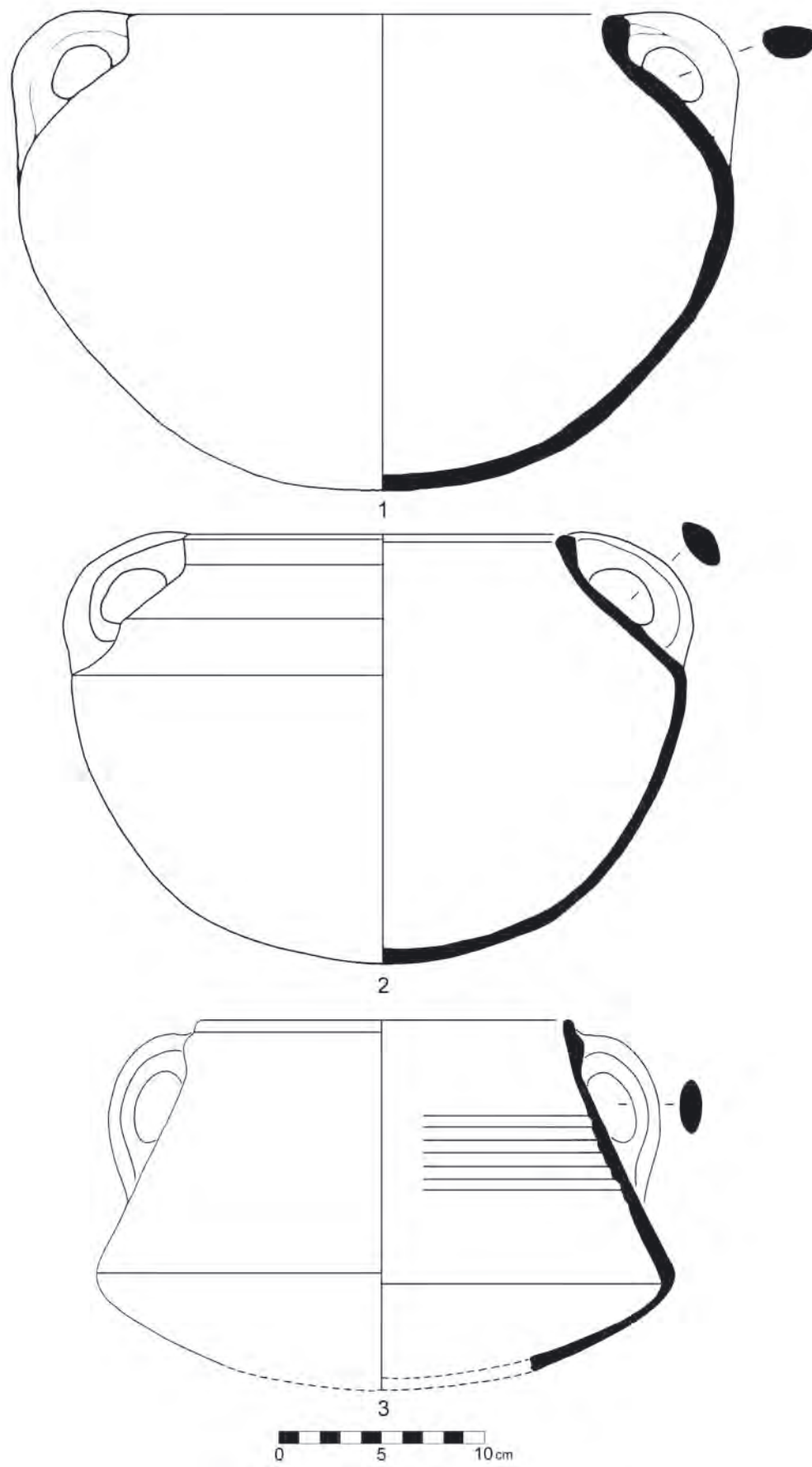


Fig. 213 Pottery from Phase XIV, Area 7



⇨ Fig. 214 Cooking pot N732 from Phase XIV, Area 7

- |       |     |       |  |
|-------|-----|-------|--|
| 218:5 | 380 | N1241 | Cooking pot, hard-fired, brownish-red fabric, coarse, white inclusions, self slip.   |
| 218:6 | 335 | -5    | Cooking pot, hard-fired, light brown fabric, thick black core, coarse, mainly white inclusions, self slip.                 |
| 218:7 | 403 | -1    | Cypro-Geometric (BoR I) juglet, hard-fired, light yellowish-grey fabric, very fine, red slip, black decoration, burnished. |

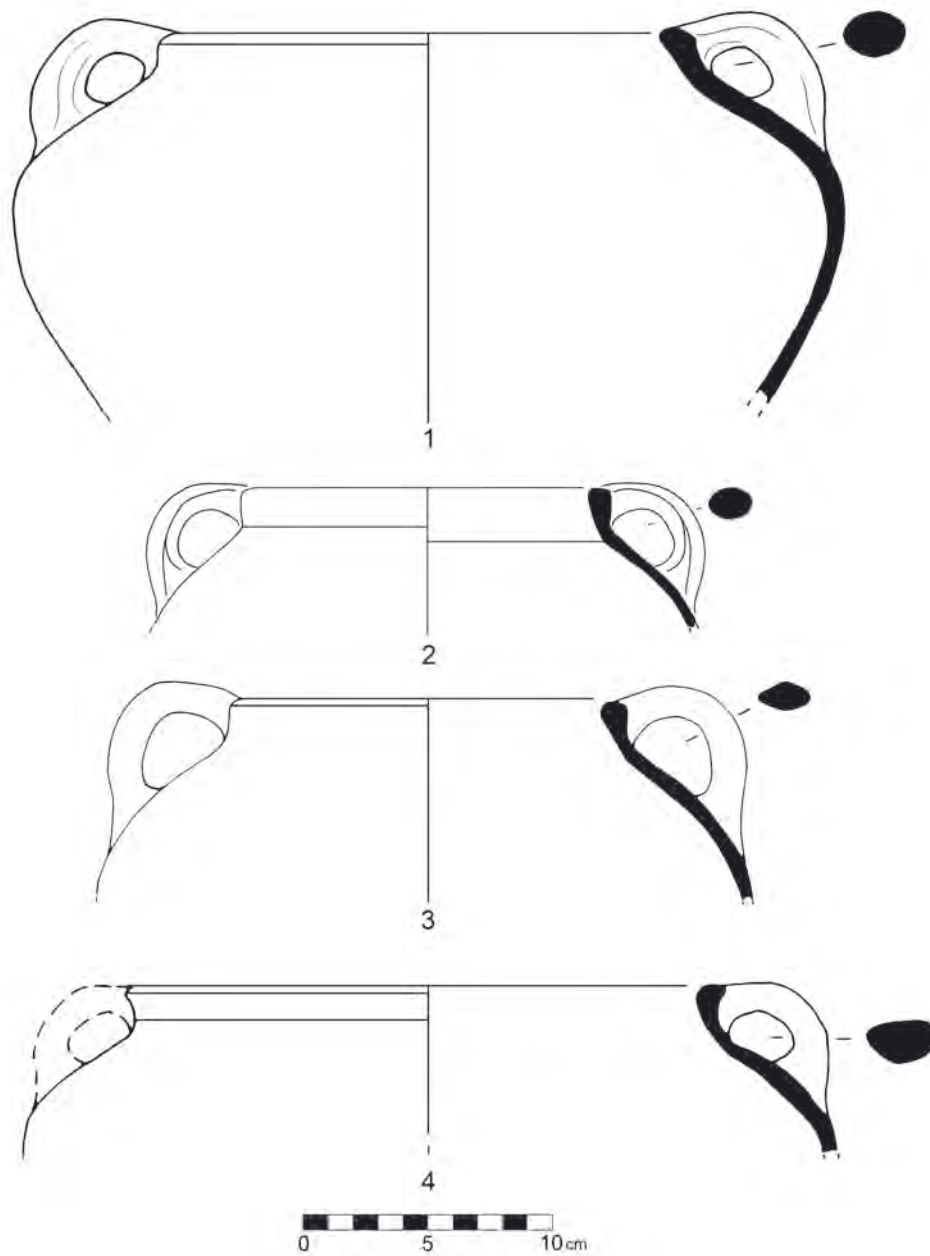


Fig. 215 Pottery from Phase XIV, Area 7



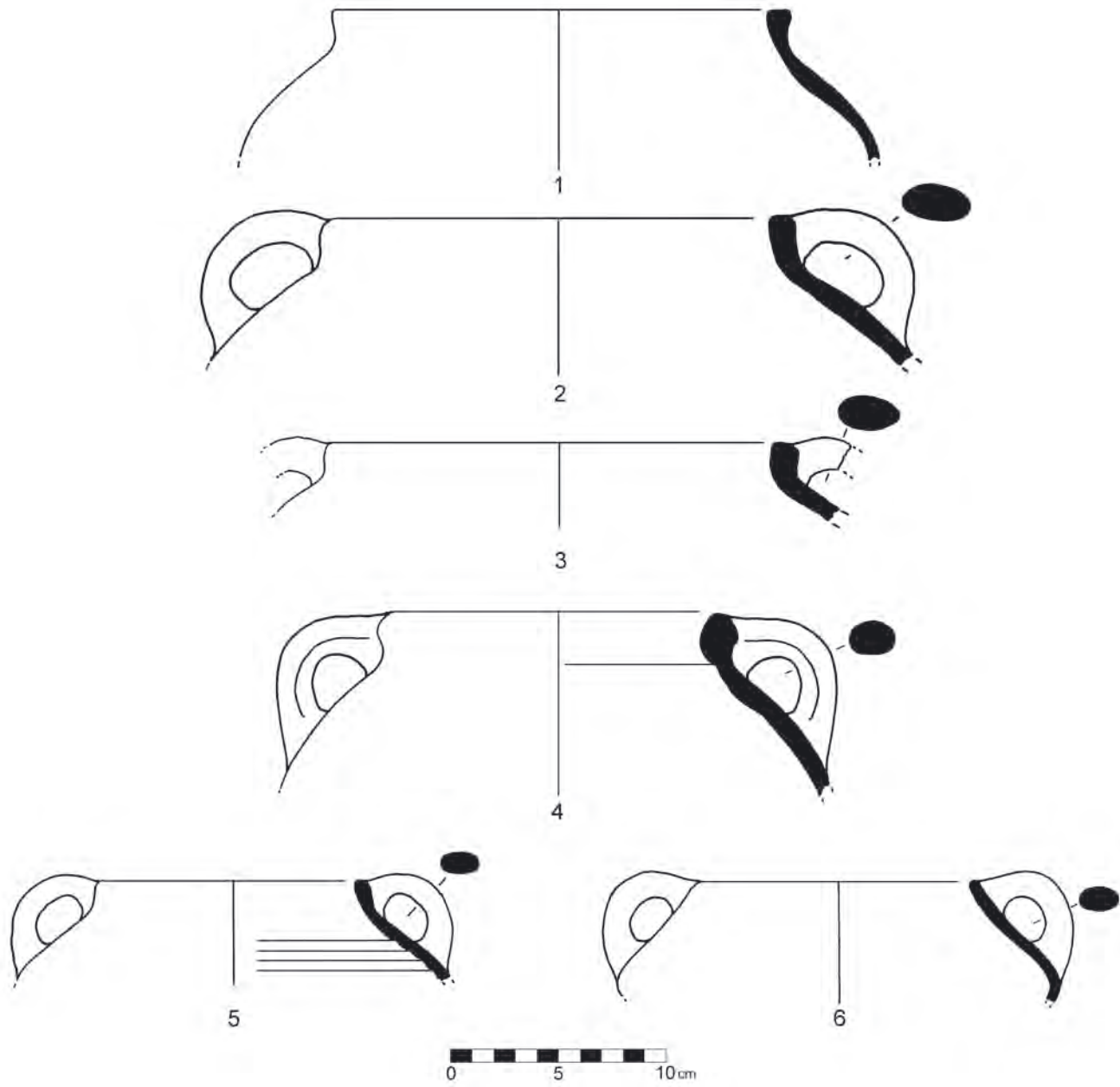


Fig. 216 Pottery from Phase XIV, Area 7

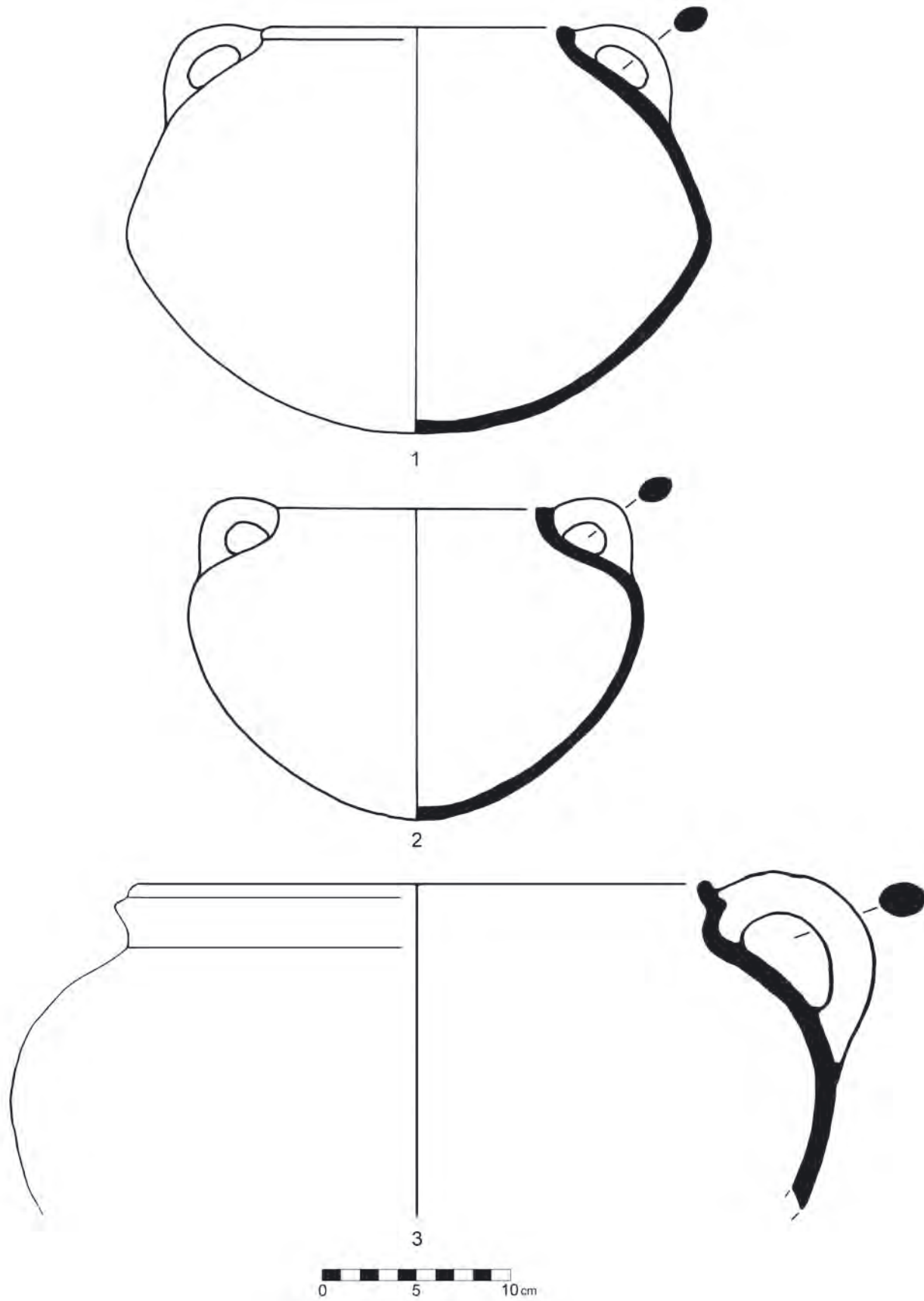


Fig. 217 Pottery from Phase XIV, Area 7

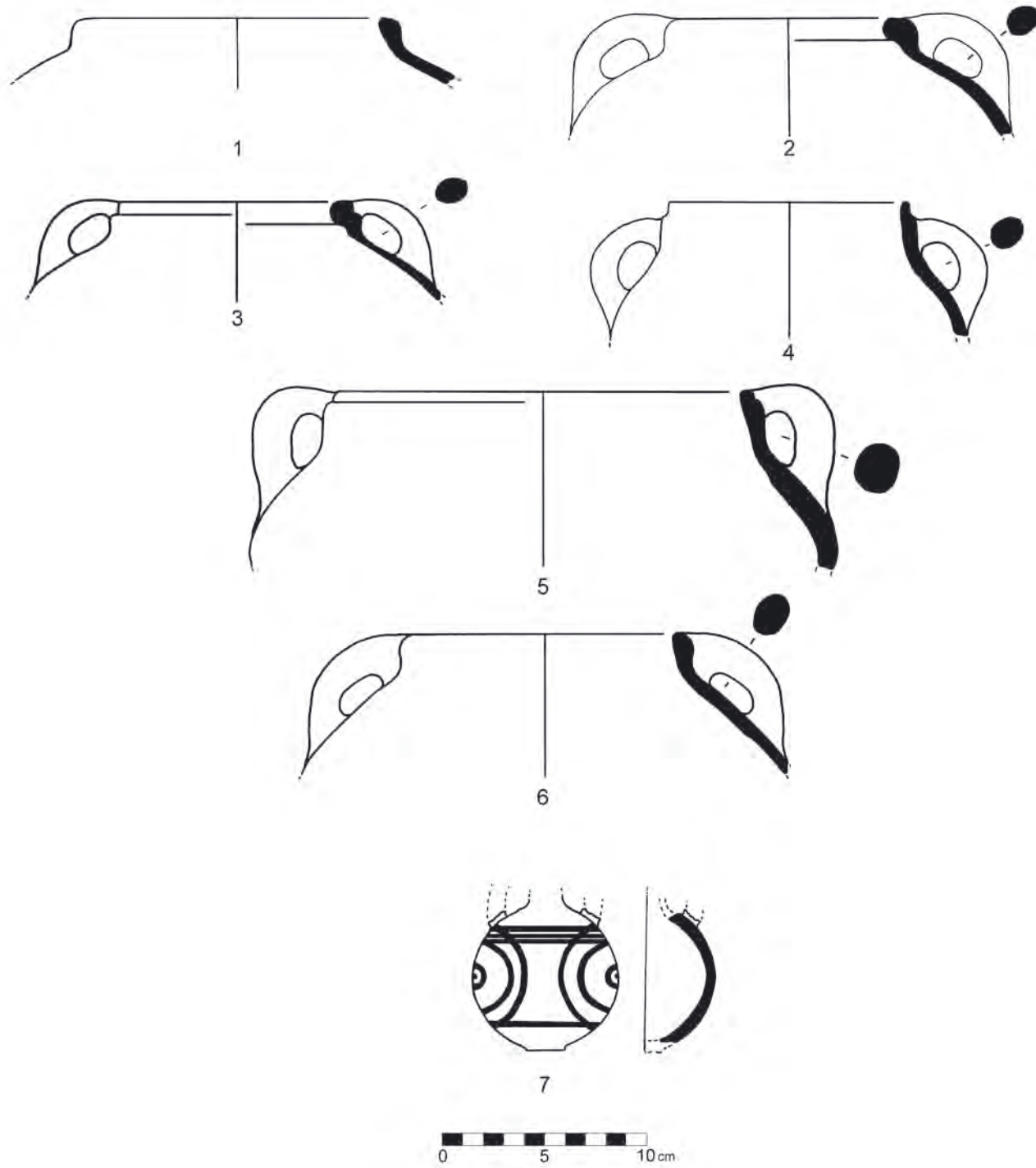


Fig. 218 Pottery from Phase XIV, Area 7

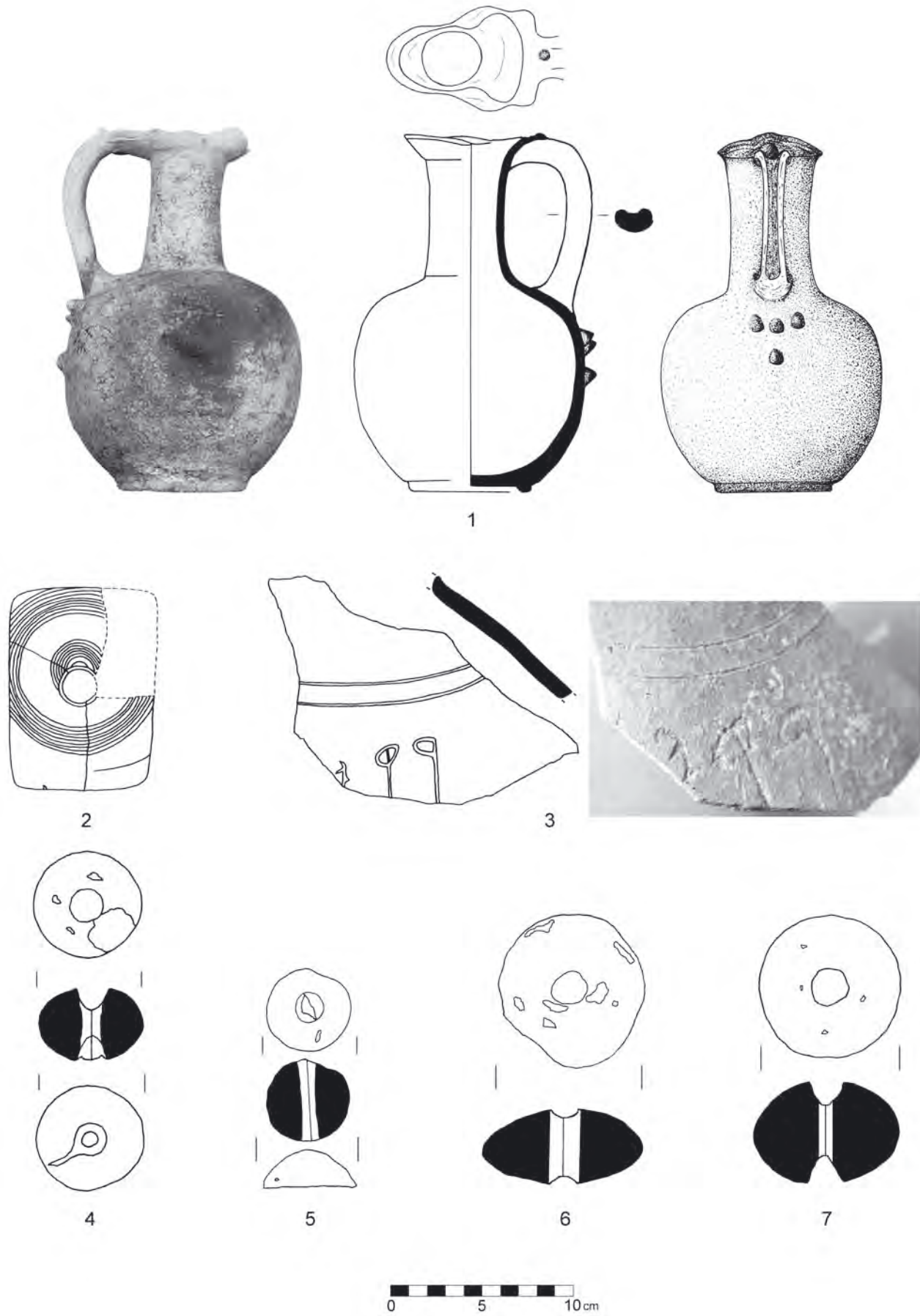


Fig. 219 Pottery and other finds from Phase XIV, Area 7

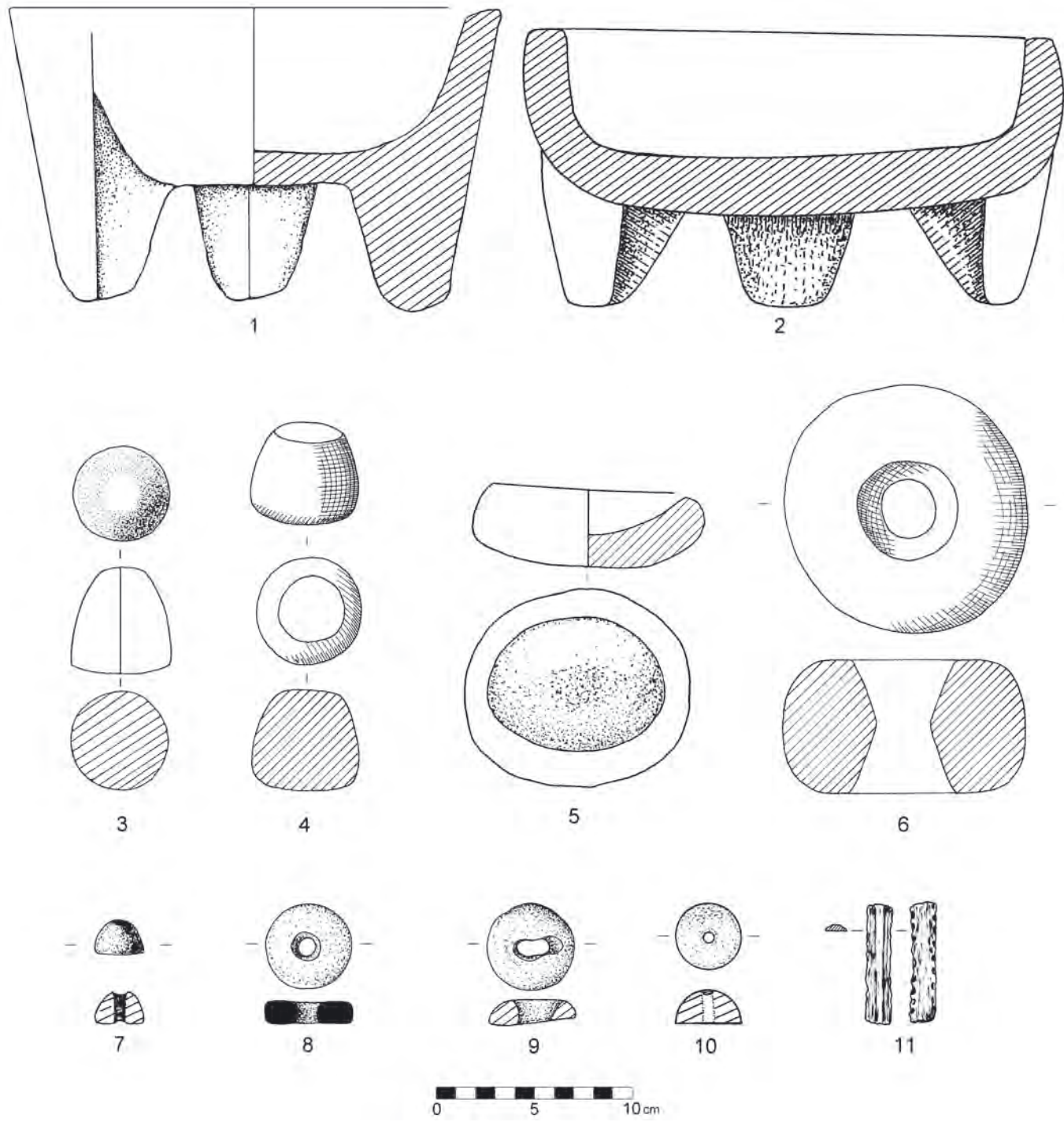


Fig. 220 Finds from Phase XIV, Area 7



Fig. 221 Tripod bowl of basalt N1219 from Phase XIV, Area 7

## Legend for the illustrated pottery and other finds from Phase XIV, Area 7

Fig.	Locus	No.	Description
219:1	380	N1226	Juglet, hard-fired, light brown fabric, medium-fine, multicoloured inclusions, yellowish-red slip; there are one pseudo-rivet above the double handle and four below it; Phoenician import or local copy.
219:2	370	-3	Tool, reused large sherd, hard-fired, light red fabric, medium-fine, light grey core, medium-coarse, multicoloured inclusions, red slip; incised concentric circles, pierced in centre.
219:3	356	-1	Ostrakon, sherd of storage jar, hard-fired, reddish-brown fabric, medium-coarse, mainly white inclusions, light reddish-brown slip; incised lines and signs (see also Fig. 467:3 and Appendix 4).



Fig. 222 Tripod bowl of basalt N739 from Phase XIV, Area 7

219:4	302	N1164	Loom weight, unfired clay (secondarily soft-fired), Wt 216 g (possibly disturbed locus).
219:5	315	N1167	Loom weight, unfired clay (secondarily soft-fired), Wt 138 g (possibly disturbed locus).
219:6	348	N1187	Loom weight, unfired clay, Wt 286 g.
219:7	348	N1188	Loom weight, unfired clay, Wt 271 g.

## Legend for the illustrated finds from Phase XIV, Area 7

Fig.	Locus	No.	Description
220:1	380	N1219	Tripod bowl, basalt (see Fig. 221).
220:2	40	N739	Tripod bowl, basalt (see Fig. 222).
220:3	W562	-3	Pestle, stone.
220:4	W177	N749	Pestle, stone.
220:5	501	N1297	Mortar, basalt
220:6	40	N704	Weight, limestone.
220:7	501	N1295	Spindle whorl, limestone, Wt 18 g.
220:8	147	N1087	Spindle whorl, fired clay, orange fabric, fine, self slip, Wt 25 g.
220:9	130	N1086	Spindle whorl, alabaster, Wt 20 g.
220:10	315	N1174	Spindle whorl, limestone (possibly disturbed locus), Wt 30 g.
220:11	448	N1271	Flint blade, retouched, traces of use.

## Legend for the illustrated figurines from Phase XIV, Area 7

Fig.	Locus	No.	Description
223:1	141	N1085	Rhyton, horse or donkey with bridle and two attached vessels, wheel-made/hand-made, medium-hard-fired, brown fabric, brownish-grey core, medium-coarse, mainly black inclusions, light brown slip, traces of red paint; the two vessels are connected through the hollow trunk with the animal's muzzle (see also Figs. 224, 453:2A/B, 462:3 and Appendix 1).

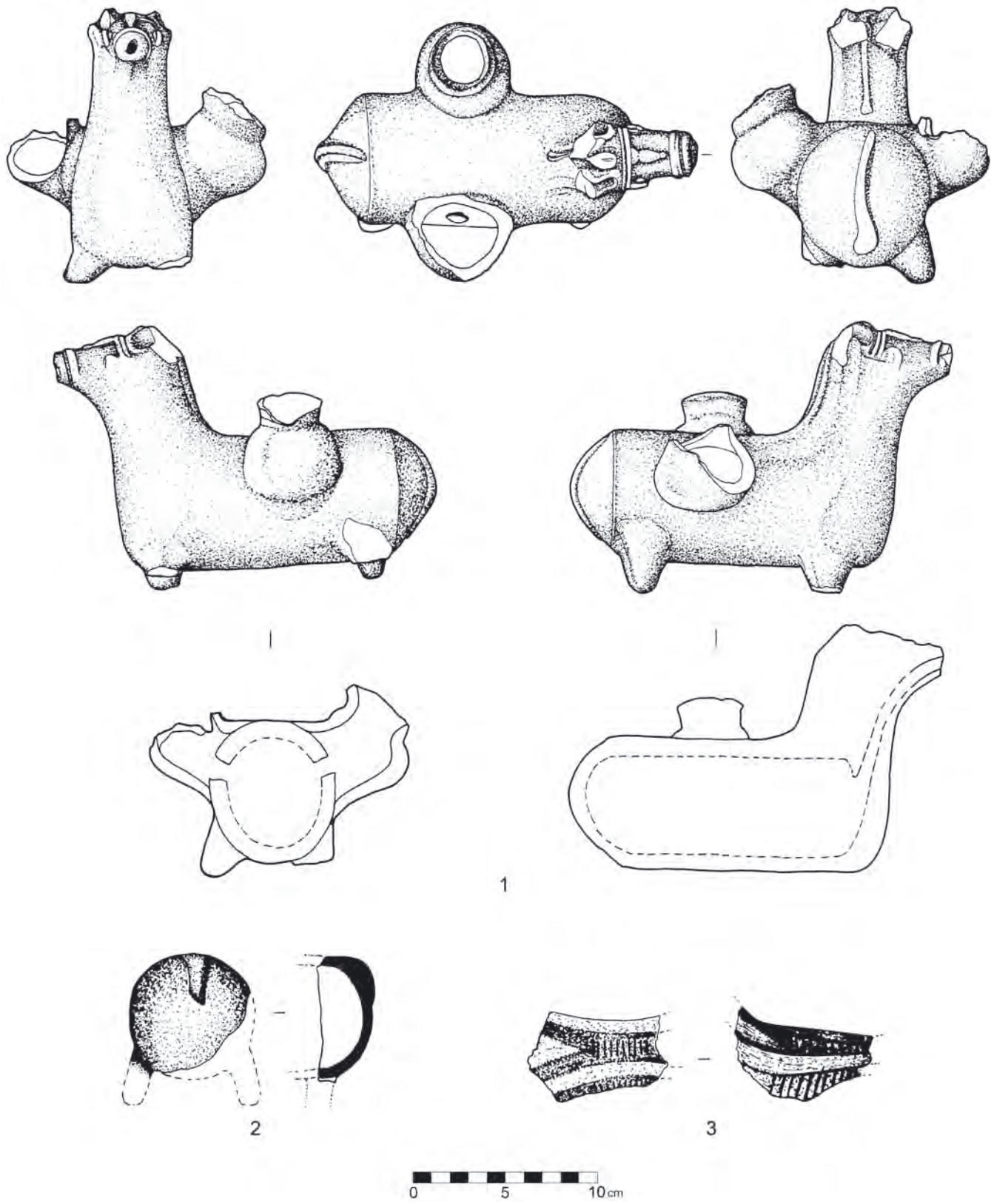


Fig. 223 Figurines from Phase XIV, Area 7

223:2	472	-2	Rhyton, hind part of horse or donkey, wheel-made/hand-made, medium-hard-fired, light red fabric exterior, grey fabric interior, coarse, multicoloured inclusions, light orangish-brown slip, red paint (see also Fig. 463:5 and Appendix 1).	225:2	161	N1094	Knife/dagger handle, iron.
				225:3	336	N1168	Fibula, iron.
				225:4	448	N1270	Arrowhead, iron.
				225:5	336	N1181	Arrowhead, iron (selected object; see also Fig. 227).
				225:6	336	N1180	Arrowhead, iron (selected object; see also Fig. 227).
223:3	471	-1	Rhyton, neck and back of horse or donkey, wheel-made/hand-made, hard-fired, dark grey fabric, medium-fine, thick brownish-red slip (see also Fig. 463:7 and Appendix 1).	225:7	336	N1185-1	Arrowhead, iron (selected object; see also Fig. 227).
				225:8	329	N1177	Arrowhead, iron (selected object; see also Fig. 227).
				225:9	336	N1185-2	Arrowhead, iron (selected object; see also Fig. 227).
				225:10	334	N1176	Pendant, pierced tooth.
				225:11	134	N1084	Dagger, iron blade, bone/ivory handle, bronze rivet.
				225:12	410	N1250	Fibula, bronze with iron needle preserved (see also Fig. 458:7).

Legend for the illustrated finds from Phase XIV, Area 7

Fig.	Locus No.	No.	Description
225:1	334	N1173	Tool, fire rake, iron (see Figs. 226, 458:8).



Fig. 224 Rhyton N1085 (see also Fig. 223:1)



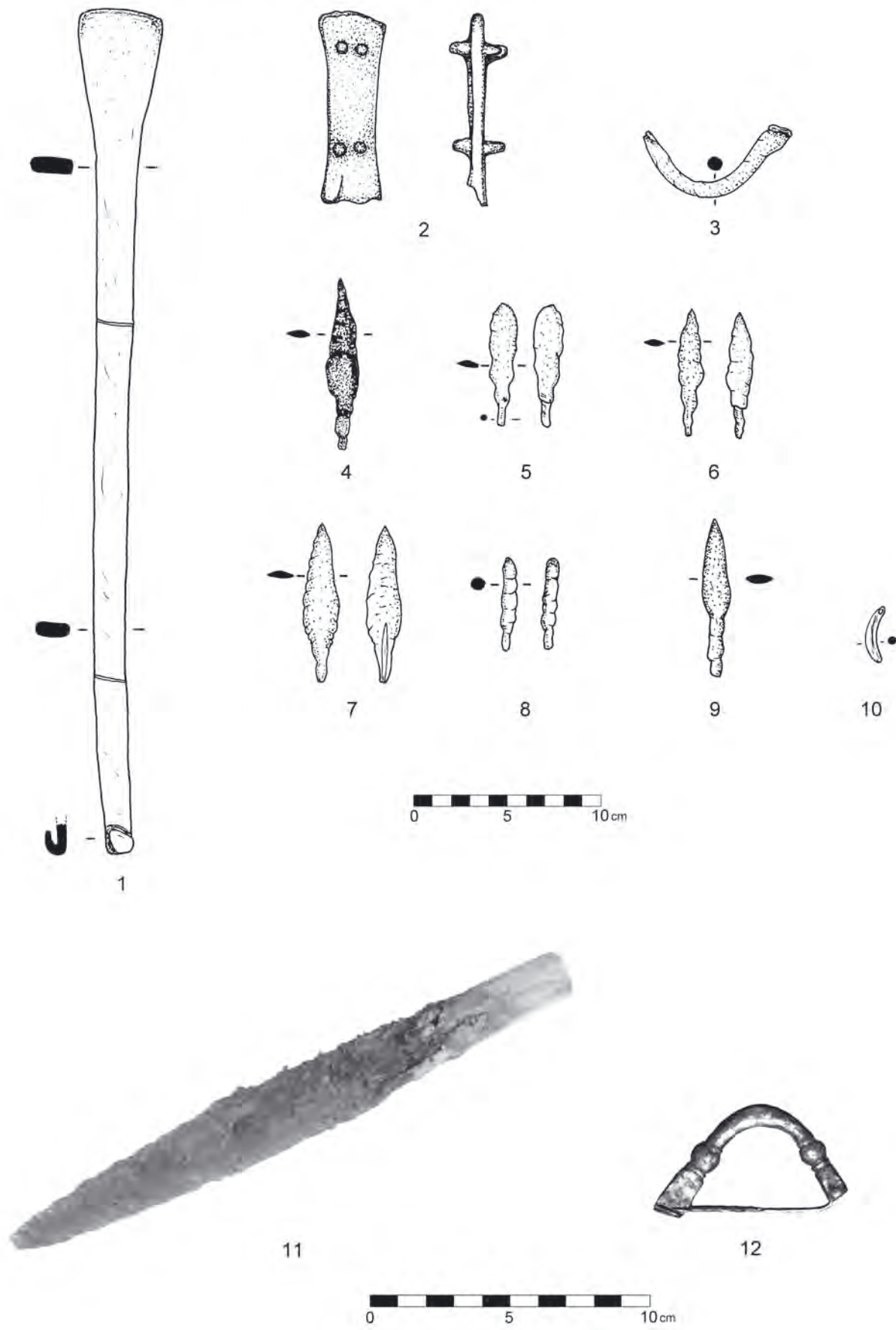


Fig. 225 Finds from Phase XIV, Area 7



Fig. 226 Fire rake of iron N1173 from Phase XIV, Area 7



Fig. 228 Iron scrap from L475, Phase XIV, Area 7

Additional finds from Phase XIV, Area 7 (listed, not drawn)

Locus No.	Description
10 N657 <sup>45</sup>	Jug, medium-hard-fired, orangish-brown fabric, thick dark grey core, medium-coarse, multicoloured inclusions, light reddish-orange slip.
12 N663	Loom weight, unfired clay, d. 6.5, H 4.4, d. of hole 1.5 cm, Wt 180 g.



Fig. 227 Arrowheads of iron from L344, 336 and 329

<sup>45</sup> This broken vessel was stolen on the night of 20/21 October 1993.

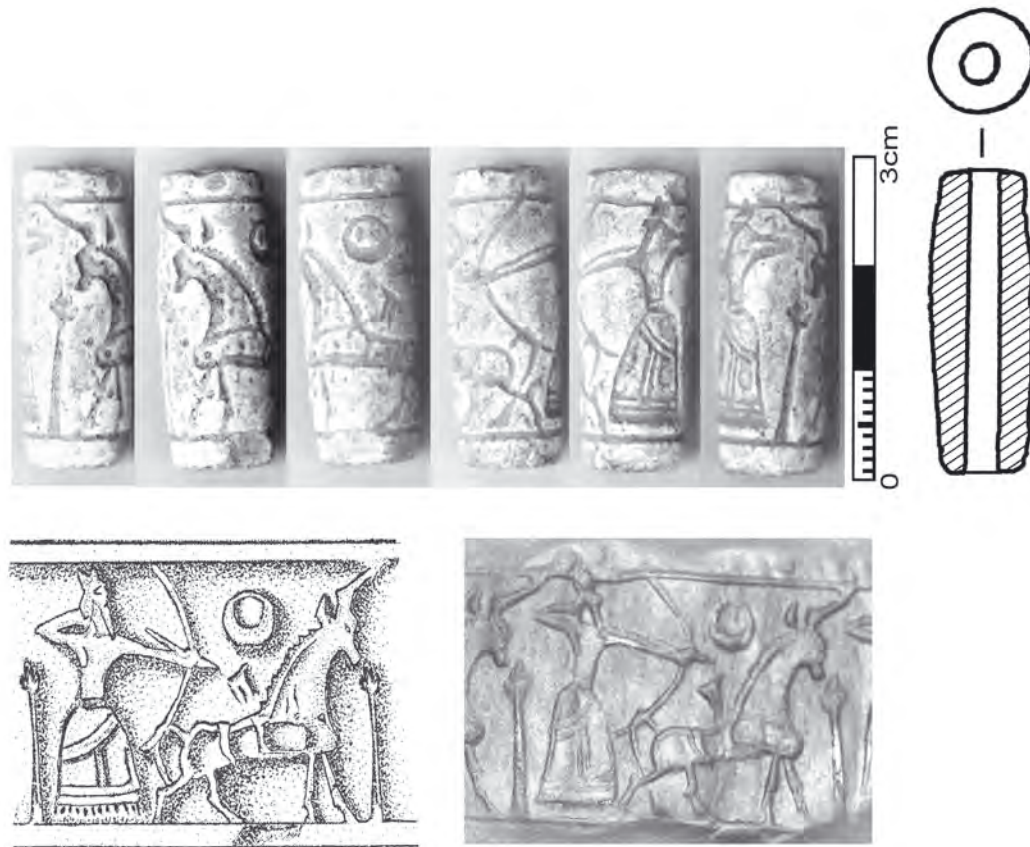


Fig. 229 Neo-Assyrian cylinder seal (N1161, Phase XIV, Area 7): steatite, brownish-red colour in engravings, L 2.9, d. 1.0 to 1.1, d. of hole 0.3 cm, Wt 5.2 g (see also Figs. 453:6, 467:1 and Appendix 4).

14	N666	Shell, d. 3.2 cm.	42	N702	Forty loom weights, unfired clay, average dimensions: d. 6.2, H 3.6, d. of hole 1.2 cm. Wt 210 g.
14	N672	Arrowhead, iron, very corroded, L 6.75, W 0.85 cm.	42	N706	Jar, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip (see Fig. 186 centre of photograph).
15	N673	Shell, 7.0 × 4.4, Th 0.3 cm; does not seem to have been worked.	45	N733	Storage jar, hard-fired, light yellowish-brown fabric, medium-coarse, mainly dark grey inclusions, self slip; vessel contained 10 <i>astragals</i> .
15	N674	Loom weight, unfired clay, d. 9.3, H 9.7, d. of hole 1.2 cm, Wt 520 g.	45	N734	Lamp, four-spouted, attached base not preserved, wheel/hand-made, medium-hard-fired, greyish-brown fabric, medium-coarse, mainly white inclusions, light yellowish-brown slip (see Fig. 212 left).
25	N678	Loom weight, broken, unfired clay, d. 5.5, H 5.5, d. of hole 1.5 cm, Wt 300 g.	45	N746	Arrowhead, leaf-shaped, iron, very corroded, L 8.5 cm.
25	N680	Stone, pestle, globular, H 6.5, d. 6.5 cm.	45	N747	Shell, ellipsoidal, L 6.7 cm.
25	N681	Loom weight, unfired clay, d. 5.5, H 5.5, d. of hole 1.5 cm, Wt 300 g.	134	N1075	Spindle whorl, basalt, d. 4.0, H 2.5 cm, Wt 58 g.
32	N677	Weight(?), basalt, cylindrical, pierced, d. 7.1, L 8.5, d. of hole 2.0–2.3 cm.	138	N1089	Hemispherical bowl, medium-hard-fired, brown fabric, coarse, mainly grey inclusions, self slip, red wash.
33	N682	Jar, only partly exposed, remainder still in section.	139	N1081	Lamp, fragmentary, wheel/hand-made, medium-hard-fired, greyish-brown fabric, medium-coarse, mainly white inclusions, light brown slip.
40	N743	Fifteen arrowheads, iron, corroded, wooden shafts partly preserved.			
40	N703	Loom weight, unfired clay, d. 11.2, H 6.8, d. of hole 2.6 cm, Wt 500 g.			
40	N701	Loom weight, unfired clay, d. 8.3, H 7.5, d. of hole 1.6 cm, Wt 420 g.			
40	N735	Spindle whorl, fired clay, d. 4.1, H 2.8, d. of hole 0.8 cm, Wt 31 g.			
42	N697	Bowl, cylindrical, hand-made, soft-fired, light brown fabric, coarse, multicoloured inclusions, self slip, d. 31, H 20 cm.			

144	N1088	Stopper, clay, medium-hard-fired, brown fabric, grey core, coarse, mainly white inclusions, self slip, brown wash.	380	N1214	Polishing stone, basalt, almost globular, Wt 329 g.
161	N1091	Knife, iron, two rivets preserved, L 13.5, W 4.2 cm.	380	N1222	Spindle whorl, limestone, conical shape, d. 4.7, H 3.0 cm, Wt 58 g.
162	N1092	Awl, iron, L 6.0, d. 1.0 cm.	380	N1228A	Twenty-five loom weights, unfired clay, range of d. 7.9–9.7, range of H 5.5–8.1 cm, Wt 281, 321, 353, 381, 381, 386, 387, 391, 425, 435, 435, 441, 443, 455, 472, 490, 494, 503, 507, 510, 533, 544, 555, 625, 640 g.
332	N1178	Dagger, bronze, melted, L 12.7, W 4.5, Th 0.7–1.4 cm.	380	N1228B	Arrowhead, iron, much corroded L 11.5, W 7.8, Th 1.7 cm.
334	-1	Roof tile, hand-made, medium-hard-fired, yellowish-brown fabric, coarse, multicoloured inclusions, self slip.	380	N1230	Spindle whorl, fired clay, d. 3.5, H 2.7 cm, Wt 37.8 g.
336	N1184	Disk limestone, d. 2.7, Th 0.7 cm.	380	N1234	108 <i>astragals</i> , bone.
336	N1186	Spindle whorl (incomplete), alabaster, d. 1.9, H 0.7, d. of hole 0.7 cm, Wt 2 g.	381	N1213	Two loom weights, range of d. 8.0–8.6, range of H 5.6–5.8 cm, Wt 378, 413 g.
344	N1179	Arrowheads, iron (see Fig. 227).	381	N1223	Polishing stone, basalt, biconical shape, d. 4.9 bottom, 3.4 top, H 4.5 cm, Wt 167.5 g.
348	-1	Crucible (partly preserved), limestone, crudely made.	381	N1224	Needle, ivory, L 19.9, d. 1.2 cm, Wt 31 g.
353	N1190	Lamp, wheel-made, hard-fired, light reddish-brown fabric, medium-coarse, multicoloured inclusions, self slip.	381	N1233	Spindle whorl, stone, cylindrical shape, d. 3.4, H 3.6 cm, Wt 52.4 g.
353	N1194	Storage jar, only partly exposed, still in section.	381	N1235	Pestle, stone, d. 4.5, H 4.0–4.7 cm, Wt 176 g.
356	N1204	Spindle whorl, basalt, d. 3.9, H 2.0 cm, Wt 43.3 g.	381	N1238	Spindle whorl, ivory, slightly convex upper profile, d. 2.3, H 1.0 cm, Wt 4.0 g.
360	N1189	Bronze objected, melted (fibula?), L 15.3, W 5.1, Th 0.3–1.0 cm.	381	N1240	Polishing tool, fired clay, rounded upper side, flat base, d. top 6.7, d. bottom 9.6, H 6.4 cm.
365	N1191	Loom weight, unfired clay, d. 7.5, H 5.4 cm, Wt 294 g.	383	N1197	Earring, bronze, d. 1.9, Th 0.5 cm.
365	N1192	Loom weight, unfired clay, d. 8.2, H 4.6 cm, Wt 313 g.	386	N1231	Tool, basalt, pierced, irregular shape, L 4.7, H 4.2, d. of hole 0.3 cm.
365	N1193	Storage jar, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, yellow slip.	386	N1229	Loom weight, unfired clay, d. 7.3, H 4.3, d. of hole 1.4 cm, Wt 192 g.
366	N1200	Loom weight, <sup>46</sup> unfired clay, d. 6.6, H 4.6 cm, Wt 180.5 g.	387	N1237	Spindle whorl, alabaster, conical shape, d. 3.7, H 3.0, d. of hole 0.7 cm, Wt 34.2 g.
372	N1199	Pendant/bead/seal (unfinished), limestone, L 3.5, d. 1.4, d. of hole 0.4 cm, Wt 8.9 g.	387	N1239	Door socket, limestone, L 20.5, H 7.3, d. of depression 7.9–9.9 cm.
373	N1205	Seven loom weights, unfired clay; range of d. 6.4–8.7, range of H 4.4–6.7 cm, Wt 382, 260, 384, 497, 512, 388, 133 g.	390	N1218	Spindle whorl, fired clay, conical shape, d. 4.2, H 3.1, d. of hole 0.7 cm, Wt 50 g.
373	N1206	Loom weight, unfired clay, d. 8.5, H 6.3 cm, Wt 428.6 g.	390	-1	Tool of fired pottery (from grain bin), broken, wheel-made, hard-fired, light brown fabric, thick grey core, medium-fine, light greyish-brown slip.
375	N1196A	Juglet, wheel-made, hard-fired, dark brown fabric, thick grey core, medium-fine, light orangish-brown slip.	390	-2	Tool of fired pottery (from grain bin), broken, wheel-made, hard-fired, light brownish-red fabric, grey core, medium-fine, light brownish-red slip.
375	N1196B	Storage jar, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, yellow slip.	391	N1217	Gaming piece, limestone, conical shape, d. 0.8/1.6, H 1.5 cm, Wt 5.1 g.
375	N1209	Loom weight, unfired clay, d. 6.6, H 4.9 cm, Wt 205.5 g.	391	N1232	Pendant, limestone, pierced, decorated with irregularly arranged drill holes, d. 3.0–3.4, H 0.9 cm, Wt 12 g.
380	N1211	Bead, stone of reddish-white colour with white spots, d. 0.6, L 0.9 cm.	391	N1244	Loom weight, basalt, conical shape, d. bottom 5.2, H 4.7, d. of hole 0.6 cm, Wt 170 g.
380	N1212	Seventeen loom weights, range of d. 6.7–9.1, range of H 4.8–6.6 cm, Wt 465, 368, 426, 272, 189, 331, 304, 252, 237, 346, 443, 316, 196, 519, 291, 291, 251 g.	395	N1243	Tool, basalt, L 10.6, H 2.6, W 7.2 cm, Wt 270 g.

<sup>46</sup> For a general discussion on the unfired loom weights from Tell Abu al-Kharaz exemplified by those from the 2008 season of excavation, see RINNER 2009: 147–149.

418	N1254	Loom weight, secondarily fired clay, d. 8.1, H 6.2, d. of hole 1.7 cm, Wt 405 g.
420	N1265	Loom weight, secondarily fired, d. 7.1, H 4.6, d. of hole 1.9 cm, Wt 219 g.
438	N1267	Loom weight, secondarily fired, d. 6.5, H 4.0, d. of hole 1.1 cm, Wt 170 g.
438	N1266	Three loom weights, all secondarily fired, range of d. 6.2–8.2, range of H 3.0–5.3, range of d. of holes 1.7–2.0 cm, Wt 278, 130, 196 g.
501	N1295	Spindle whorl, limestone, pyramidal shape, d. 2.7, H 1.9, d. of hole 0.65 cm, Wt 18 g.
501	N1298	Loom weight, unfired clay, broken, d. 13.3, H 11.5 cm.
W156	N699	Knife, bronze, fragmentary, much corroded, L 6.9, W 1.5, Th 0.2 cm.

## AREA 9

### General information

Area 9 lies in the south of the upper part of the tell between Areas 1 and 10 and somewhat to the south of these. It is situated in the most vulnerable part of the city since the southern descent from the city via Area 9 towards the Wadi al-Yabis only slopes moderately in comparison to the approaches to the city from the other directions (Fig. 230). This topographic situation was also the reason why defence structures were expected and finally verified: there is an array of city

walls built upon each other and partially reused in later periods from the Early Bronze Age until Islamic times, a period covering some 4000 years (FISCHER 2006a, 2008a).

The excavated portions of this area lie directly south of the summit of the tell on quite a sloping portion of the city in Grids RR–YY / 31–34. The partly exposed portion of Area 9 is 71 m long in the east-west direction and slopes approximately 6 m from east to west and 4 m from north to south. The total size of the opened area is 795.5 square metres (state end of season 2012). Some stone walls which originate from the three “main” periods represented at Tell Abu al-Kharaz – Iron Age, and Late/Middle and Early Bronze Age – are visible on the surface. The walls run approximately east-west and north-south. The surface pottery is a mixture of all the periods found at Tell Abu al-Kharaz, however the Iron Age and the Early Bronze Age are the best represented. Superficial finds also include two Islamic objects: one is a well-preserved silver coin and the other a lentoid glass flask, both from the Abbasid period. A (silver?)-lead rosette-shaped pendant derives from the same level.

The excavations started there in 1994 (Trenches XXIV and XXVA and B). They were extended towards the west (Trench XLII) in 1998 and continued in 2009 (Trench LI), towards the east in 2010 (Trenches LIIA–D, LIIIA and B, LIVA and LVA),



Fig. 230 Area 9 and southern slope prior to the excavations in 2009

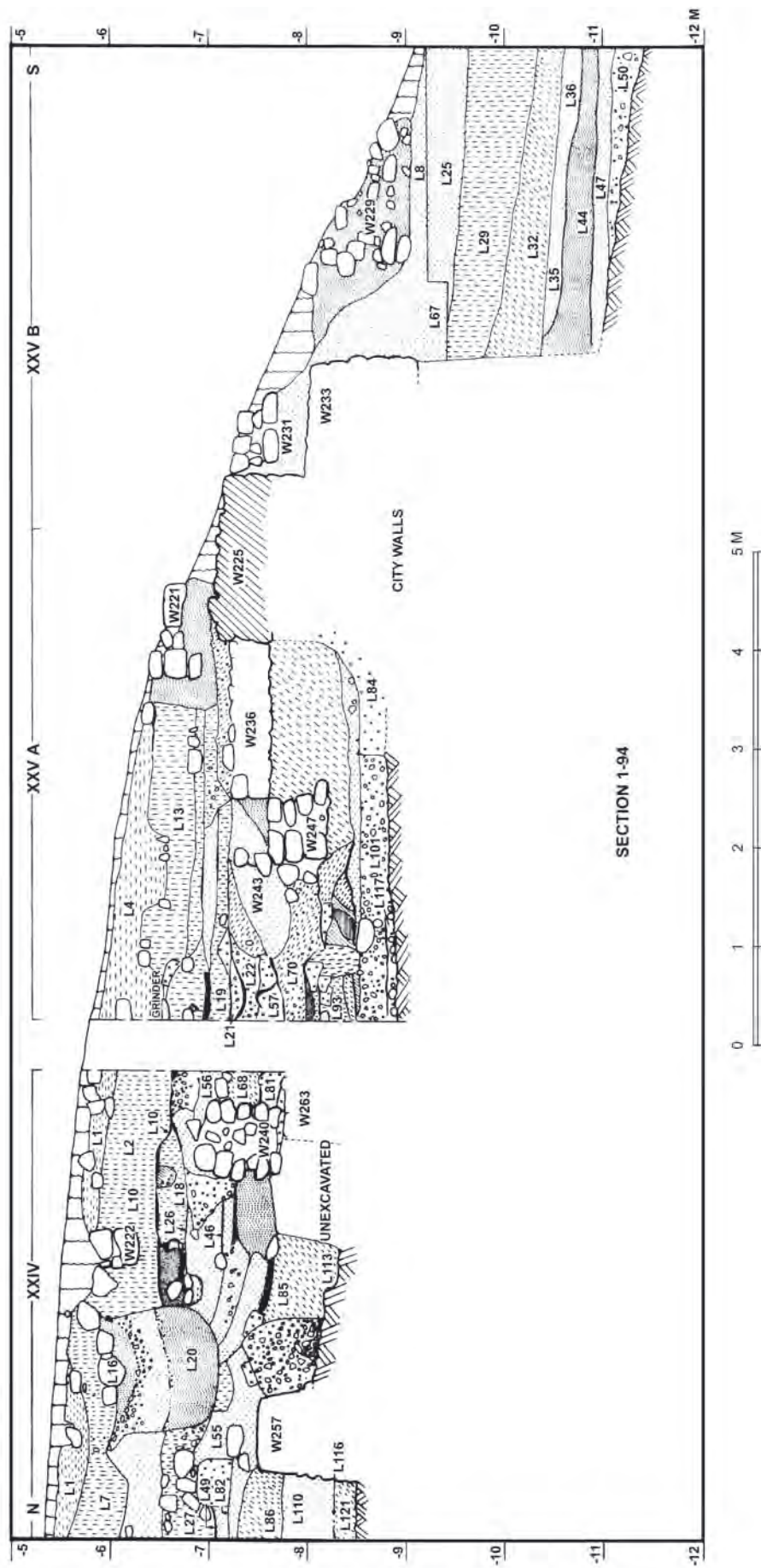


Fig. 231 Section 1-94. Area 9, east section Trenches XXIV and XXVA and B

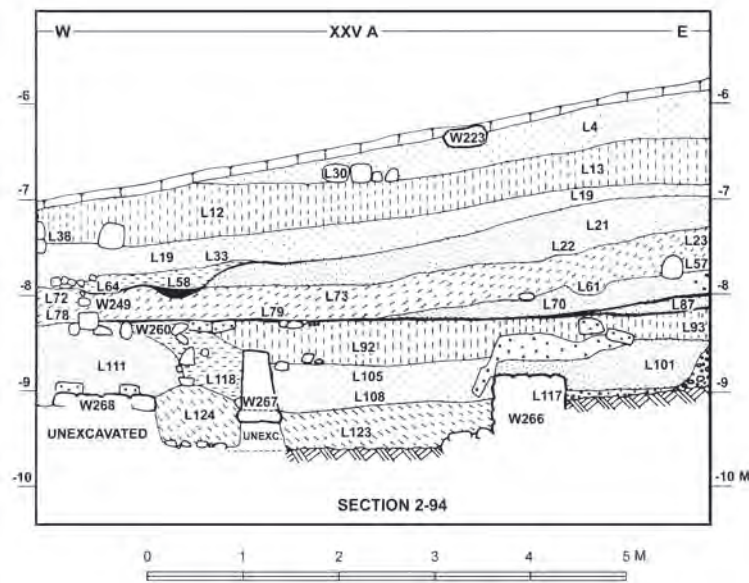


Fig. 232 Section 2-94. Area 9, north section Trench XXVA

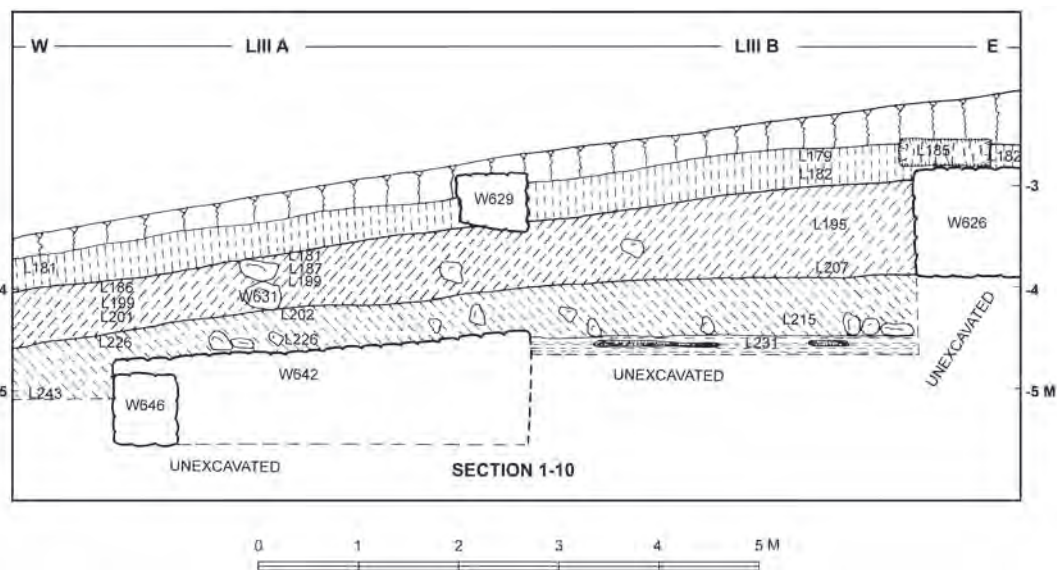


Fig. 233 Section 1-10. Area 9, north section Trenches LIIIA and B

and in 2011 both towards the north-east (Trench LVI) and towards the west (Trenches LVII and LVIII) thereby “connecting” the excavations of 1994/1998 with those of 2009. In 2012 the excavations were extended towards the east (Trenches LIXA–E). There is a partially looted area between the trenches from 1994/1998 and those from 2009–2012. Consequently there is no secure stratigraphic connection between the two portions except for the upper parts of the city walls from the Iron Age and the Middle/Late Bronzes which were visible on the surface to the south. Therefore, the two portions will be treated separately as the somewhat disturbed “Area 9 West”, and the extremely

rewarding “Area 9 East” the latter of which contained well-preserved structures with numerous primary contexts.

The purpose of the 1994 and 1998 seasons of excavations in Area 9 West was to expose and record the entire occupational sequence there spanning from the Early Bronze Age to Islamic times (see FISCHER 2006a: 193–209; FISCHER 2008a: 213–241; FISCHER 2008b). The main objective of the excavations in 2009–2012 in Area 9 East was to study the Iron Age sequence because of surface finds which to some extent were the result of illicit digging in the area and which could be dated to the early Iron Age. Facilitated by heavy rain-

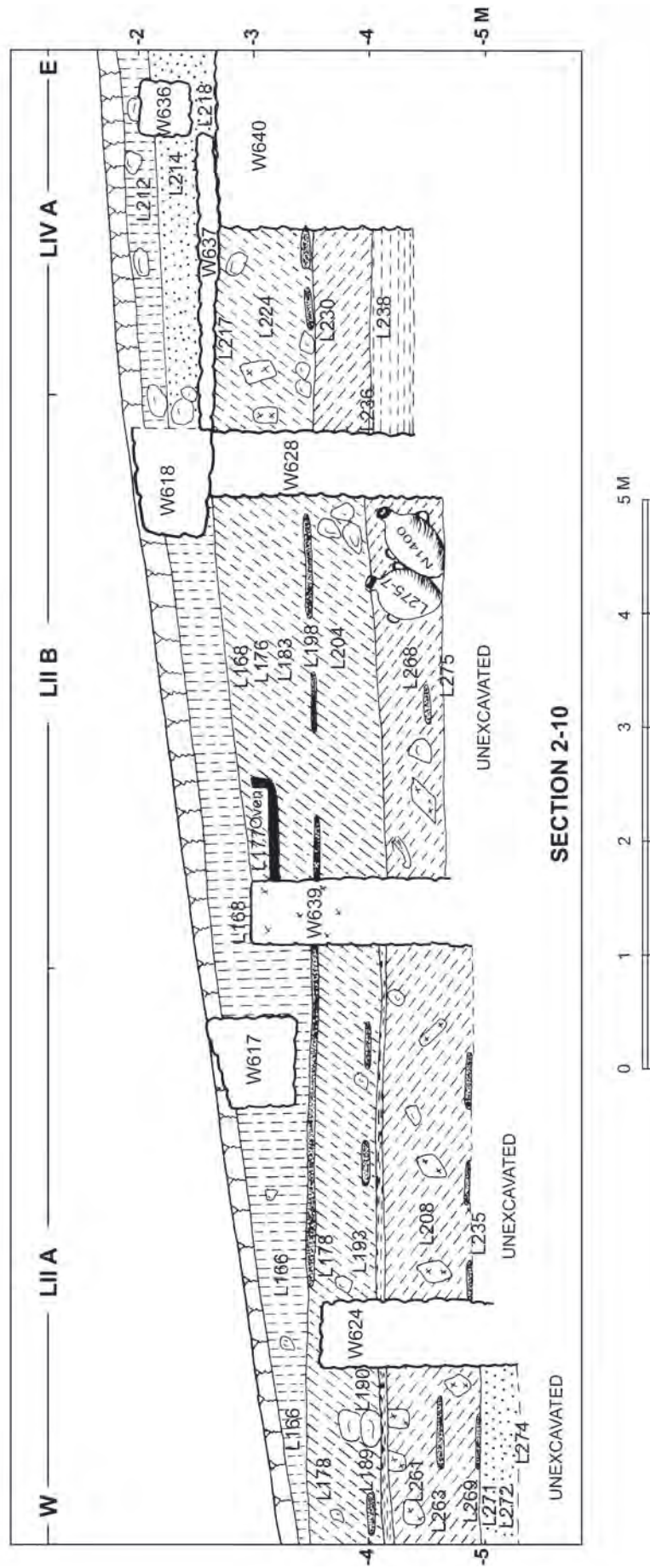


Fig. 234 Section 2-10. Area 9, north section Trenches LIIA, LIIB and LIV A



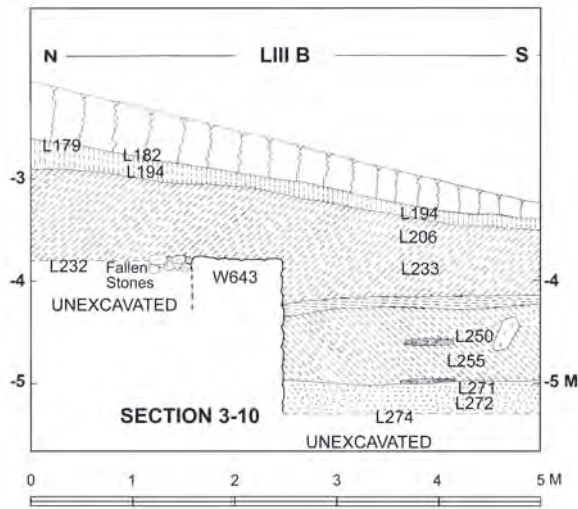


Fig. 235 Section 3-10. Area 9, east section Trench LIIIB

fall in 2009, which exposed deeper structures, the excavations in Area 9 East produced amazingly well-preserved early Iron Age remains, thus adding new knowledge to the occupational sequence of Tell Abu al-Kharaz: before 2009, only stray finds belonging to the early Iron Age were made. However, the situation changed dramatically when we could expose a kind of “Early Iron Age Pompeii” with well-preserved rooms and rich contexts with numerous finds that also include imports.<sup>47</sup>

**PHASE XI, AREA 9 WEST (Figs. 241–243)**

**Architecture and features**

Architectural remains from this phase, although not clear-cut, were found over the entire area of excavation. Defence walls from the Late, Middle and Early

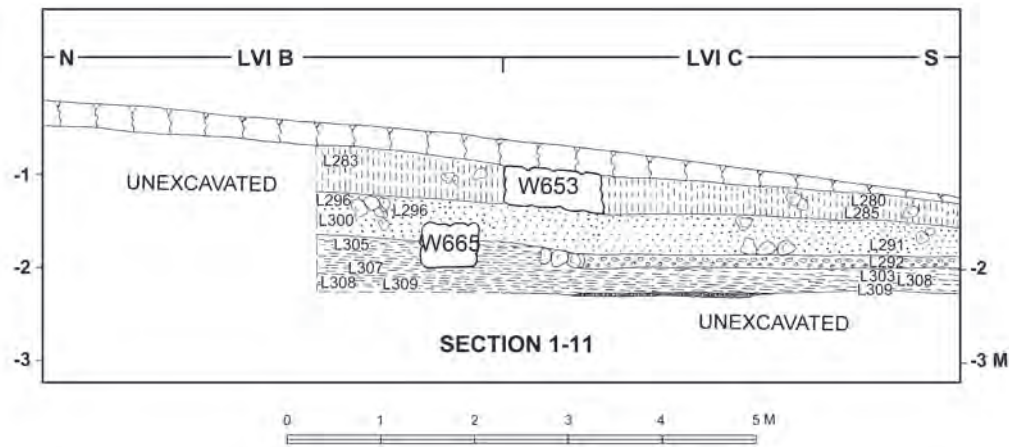


Fig. 236 Section 1-11. Area 9, east section Trenches LVIB and C

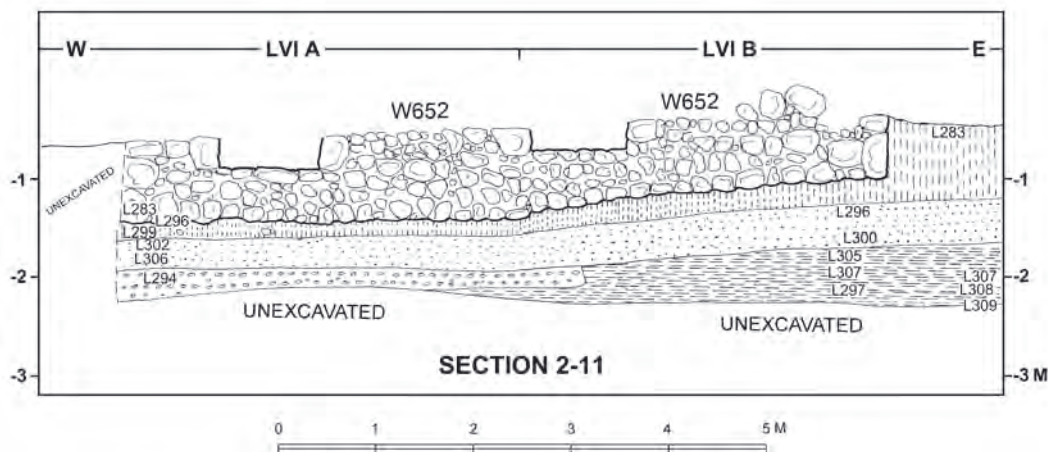


Fig. 237 Section 2-11. Area 9, north section Trenches LVIA and B

<sup>47</sup> In addition to numerous Early Bronze Age primary contexts the early Iron Age finds from Area 9 East represent the best preserved contexts anywhere at Tell Abu al-Kharaz.

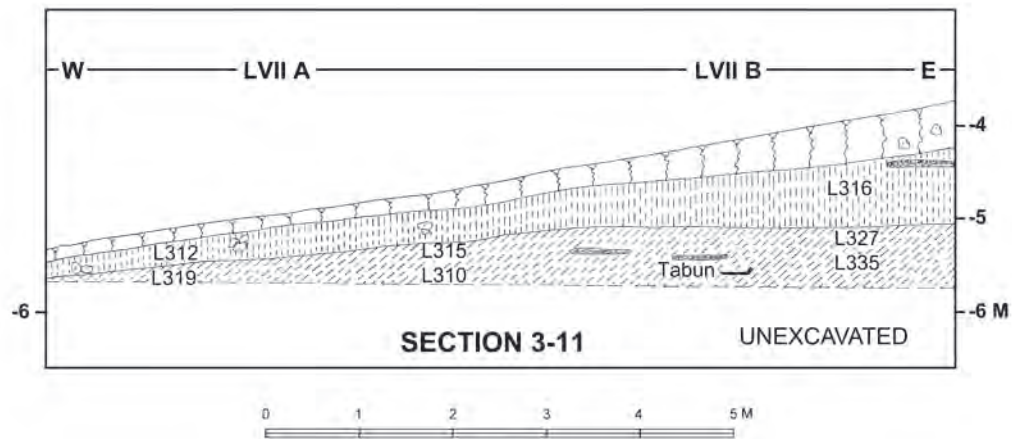


Fig. 238 Section 3-11. Area 9, north section Trenches LVIIA and B

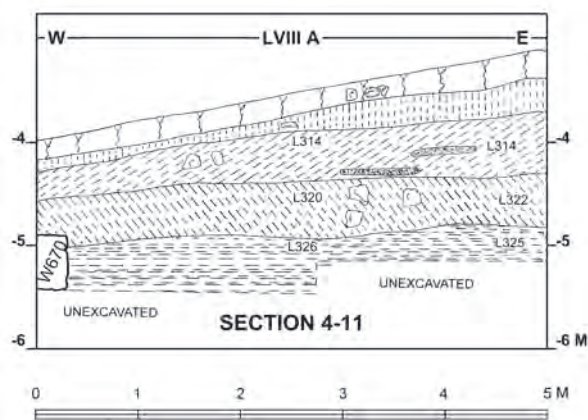


Fig. 239 Section 4-11. Area 9, north section Trench LVIIIA

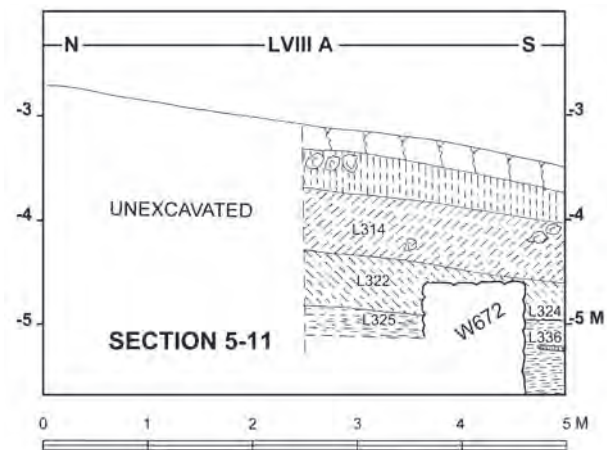


Fig. 240 Section 5-11. Area 9, east section Trench LVIIIA

Bronze Ages, an impressive approximately 5–6 m wide compound, were reused as foundations for a number of new structures. These consist of almost destroyed remains of partly stone-paved domestic buildings. In the west, there is a walled and stone-paved space, approximately 6 m × 4 m, with an entrance in the north-west (L132, 136; W497, 496, 512). Another feature of interest is a stone-paved circle, approximately 1.5 m in diameter, to the east of the walled space (L134). To the south of it is a disturbance, most likely an animal's hole (L135), which was isolated during the excavations. In the east is an array of disturbed walls and features. The finds consist of some tools of stone, pottery and jewellery. Concerning pottery there are only sherds present, except for a complete bowl (L75-1) and an almost complete large jug (N907; Figs. 242:6 and 243). Other finds are a part of a tripod bowl of basalt (N1129), a basalt pestle (N1125), a millstone (N900), a spindle

whorl of alabaster (N899), a ring (L75-3) and an earring (N887) both of bronze, a bead of Egyptian Blue (N886) and another one of white glass (?; N891). Outside the Early Bronze Age city wall are a spindle whorl of limestone (N872) and a bronze needle (N880). These two finds are only tentatively ascribed to Phase XI.<sup>48</sup>

#### Interpretation of the material evidence

The scanty remains of this phase allow only very limited conclusions. There seem to be a number of domestic, partly stone-paved, structures. Considering the obvious damage done to the structures, the association of pottery and other finds to this phase should be treated with caution. Certain pottery shapes definitely belong to the first half of the Iron Age. However, there are also shapes which should be better placed in the second half.

<sup>48</sup> Further descriptions are not provided because of the insecure stratifications of these two finds.

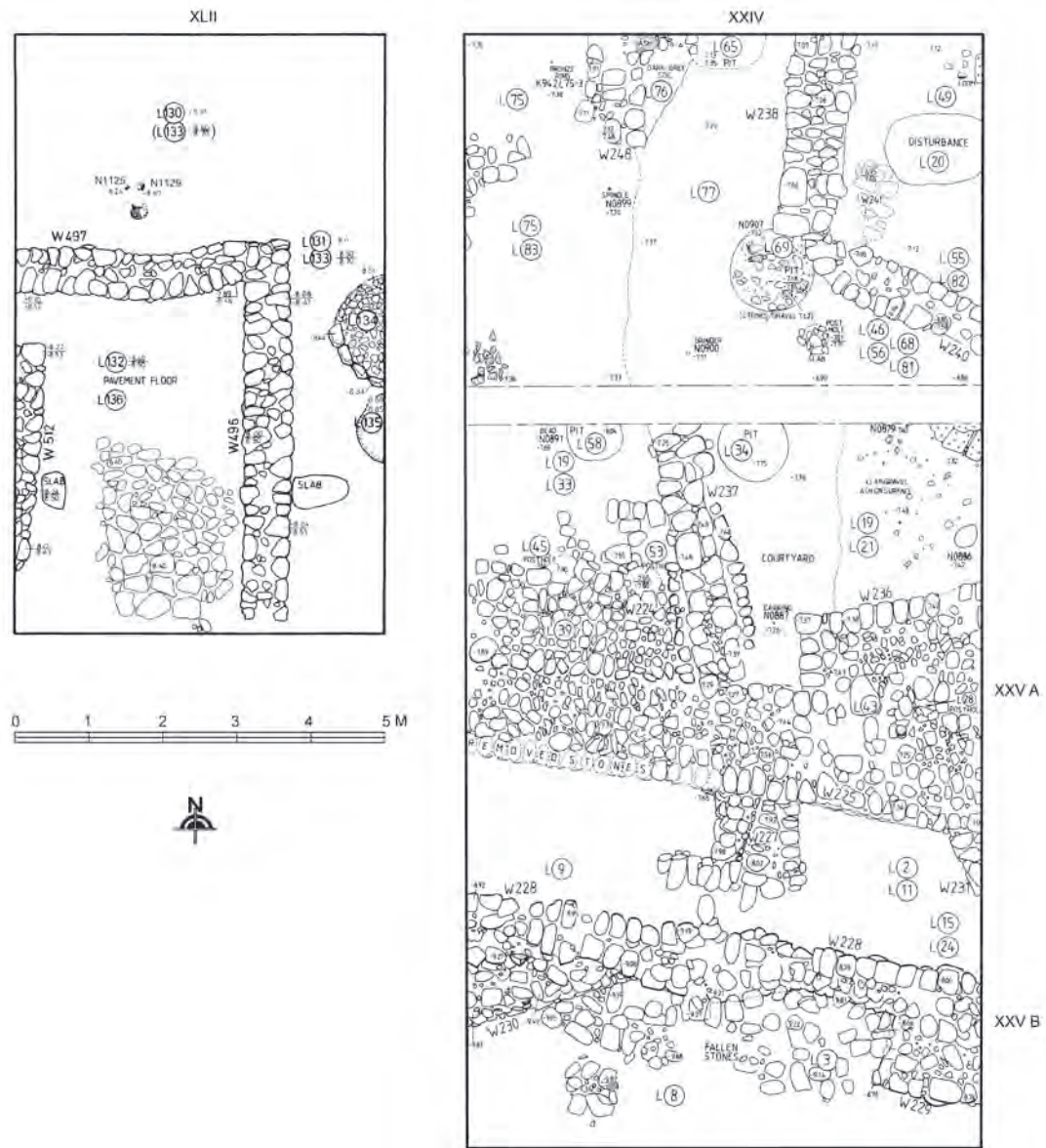


Fig. 241 Plan of Phase XI, Area 9 West

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
236	i.d.	i.d.	i.d.			possible platform
237	0.7	0.3	1-2			
238	0.7	0.3	1-2			
240	0.7	0.7	3			
248	0.6	0.3	3			
496	0.6-0.7	0.5	3-4			
497	0.6-0.7	0.6	4			
512	0.5-0.6	0.4	3			

Table 53 Description of the walls of Phase XI, Area 9 West

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
2	dump outside city wall		mixed sherds (EB/MB/LB/IA)			mixed up context
3	dump outside city wall		mixed sherds (EB/MB/LB/IA)			mixed up context
8	dump outside city wall		mixed sherds (EB/MB/LB/IA)			mixed up context
9	dump outside city wall		mixed sherds (EB/MB/LB/IA)			mixed up context
11	dump outside city wall		mixed sherds (EB/MB/LB/IA)			mixed up context
15	dump outside city wall		mixed sherds (EB/MB/LB/IA)			mixed up context
19	fill, o.d.	N879, 74	-1 sj, -2 k, -3 j-dt, -4 hm, -5 b, 1 jl, 1 j, 1 sj, 1 cp, 67 ud		N886, N887	
21	fill, o.d.	142	1 jl, 3 sj, 59 ud			
24	dump outside city wall					mixed up context
33	fill, o.d.	28	-1 sj, 1 b, 1 j, 4 sj, 1 cp, 53 ud		N891	
34	pit, d. 0.9, o.d.	25	1 b, 1 ja, 16 ud			
39	fill, o.d.					disturbed
43	fill, o.d.					disturbed
45	fill, o.d.					disturbed
46	fill, o.d.	52	6 jl, 1 h, 11 ud			
49	fill, o.d.					disturbed
53	fill, o.d.					disturbed
55	fill, o.d.				-1	
56	fill, o.d.	5	10 ud			disturbed
58	pit, d. 0.7, o.d.		-1 cp, 28 ud			
65	pit, d. 0.5, o.d.	15	1 b, 1 h, 44 ud			
68	fill, o.d.					disturbed
69	upper part of pit, d. 1.0, o.d.	36	N907 j-dt, 1 dt, 2 cp, 2 dec, 32 ud			
75	fill, o.d.	2	-1 b, -2 cp, 3 b, 1 k, 1 sj, 5 cp, 45 ud		N899, N900, -3	
76	accumulation of stones					
77	fill, o.d.	48	1 b, 1 j, 1 dec, 95 ud			
81	fill, o.d.					disturbed
82	fill, o.d.					
83	fill, o.d.		-1 k			disturbed
130	surface, o.d.	56	-1 cb, -2 b, -3 j, 4 b, 1 jl, 3 j, 1 ja, 8 sj, 3 cp, 142 ud		N1125	
131	surface, o.d.	4	7 b, 1 j, 4 ja, 1 l, 1 pf, 3 sj, 3 cp, 86 ud			
132	stone pavement	1	1 jl, 1 j dec, 1 ja, 1 cp			
133	fill, o.d.	3	1 b dec, 2 j			
134	circular stone setting, d. 1.5					
135	pit, d. 1.0, o.d.	3				
136	fill below pavement L132	-2, 5	-1 cp, 1 b, 1 cb, 1 k, 1 j, 1 jl, 6 sj, 35 ud		N1129	
W227	inside wall		-1 sj			
W228	inside wall		-1 k			

Table 54 Description of the loci of Phase XI, Area 9 West

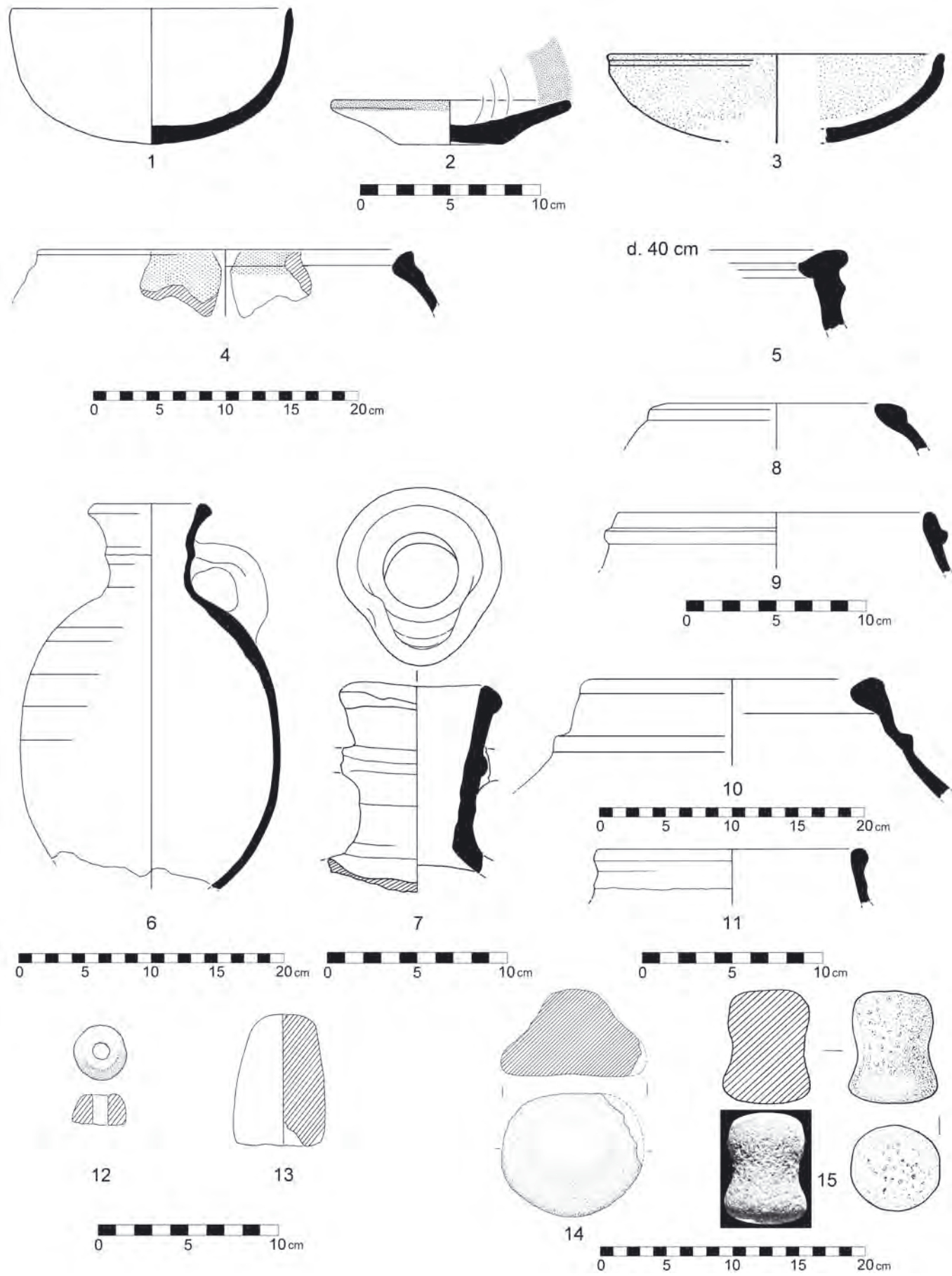


Fig. 242 Pottery and other finds from Phase XI, Area 9 West

## Legend for the illustrated pottery and other finds from Phase XI, Area 9 West

Fig.	Locus No.	Description
242:1	75 -1	Bowl, hard-fired, greyish-brown fabric, medium-coarse, mainly white and black inclusions, yellowish-brown slip.
242:2	19 -5	Bowl, medium-hard-fired, yellowish-brown fabric, dark grey core, coarse, mainly black inclusions, thick yellow slip, reddish-brown paint on rim.
242:3	130 -1	Bowl with high carination, hard-fired, light brownish-red fabric, yellow core, coarse, multicoloured inclusions, yellowish-red slip.
242:4	83 -1	Krater, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip and red wash.
242:5	W228 -1	Krater, hard-fired, greyish-brown fabric, medium-fine, a few black inclusions, light brown slip.
242:6	69 N907	Jug-decanter, hard-fired, light brown fabric, medium-coarse, a few large white inclusions, self slip; neck ridge (see also Fig. 243).
242:7	19 -3	Jug-decanter, hard-fired, brownish-red fabric, yellowish-brown core, coarse, white inclusions, self slip; neck ridge.
242:8	19 -4	Krater/hole-mouth jar, hard-fired, light brown fabric, grey core, medium-coarse, a few white inclusions, self slip.
242:9	33 -1	Storage jar, light brown fabric, medium-coarse, white and black inclusions, self slip.
242:10	W227 -1	Storage jar, hard-fired, grey fabric, coarse, mainly white inclusions, light brown slip; neck ridge.
242:11	19 -1	Storage jar, hard-fired, dark grey fabric, coarse, mainly quartz inclusions, self slip.
242:12	75 N899	Spindle whorl, alabaster, d. 3.2, H 1.9, d. of hole 1.0 cm, Wt 22 g.
242:13	75 N900	Weight, tapering, depressions top and bottom, basalt, H 7.2, d. bottom 5.1 cm.
242:14	55 -1	Pestle, porous basalt.
242:15	130 N1125	Pestle, basalt.

## Additional finds from Phase XI, Area 9 West (listed, not illustrated)

Locus No.	Description
19 N879	Juglet, hand-made, medium-hard-fired, light yellow fabric, coarse, multicoloured inclusions, self slip; residual from Early Bronze Age II.
19 N886	Bead, glass, d. 0.7 cm.
19 N887	Earring, bronze, crescent shaped, L 2.1, max. Th 0.8 cm.
33 N891	Bead, glass, d. 0.6 cm.
75 -3	Ring, bronze, fragmentary.
136 N1129	Tripod bowl, basalt, fragmentary.



Fig. 243 Jug N907 from Phase XI, Area 9 West

**PHASE XII, AREA 9 WEST** (Figs. 244–246)**Architecture and features**

This phase, too, has no clear-cut architecture except for the city wall (W491/221) which was built in this phase and against which a number of structures were built. To the west are two parallel walls (W494 and 495) on roughly the same levels and one perpendicular wall (W493). The remains of a stone pavement are to the north-west of them. There is a rudimentary but wider wall to the east, together with the remains of additional stone pavements. On the east side there is a pit (L20) penetrating into Phase XI. There is a considerable amount of ash in most parts of the opened portion, for instance to the east in L18 and 26. Small finds are rare and include a pierced shell (pendant (?), N884) from the pit and a spindle whorl made from a reused sherd (N885).

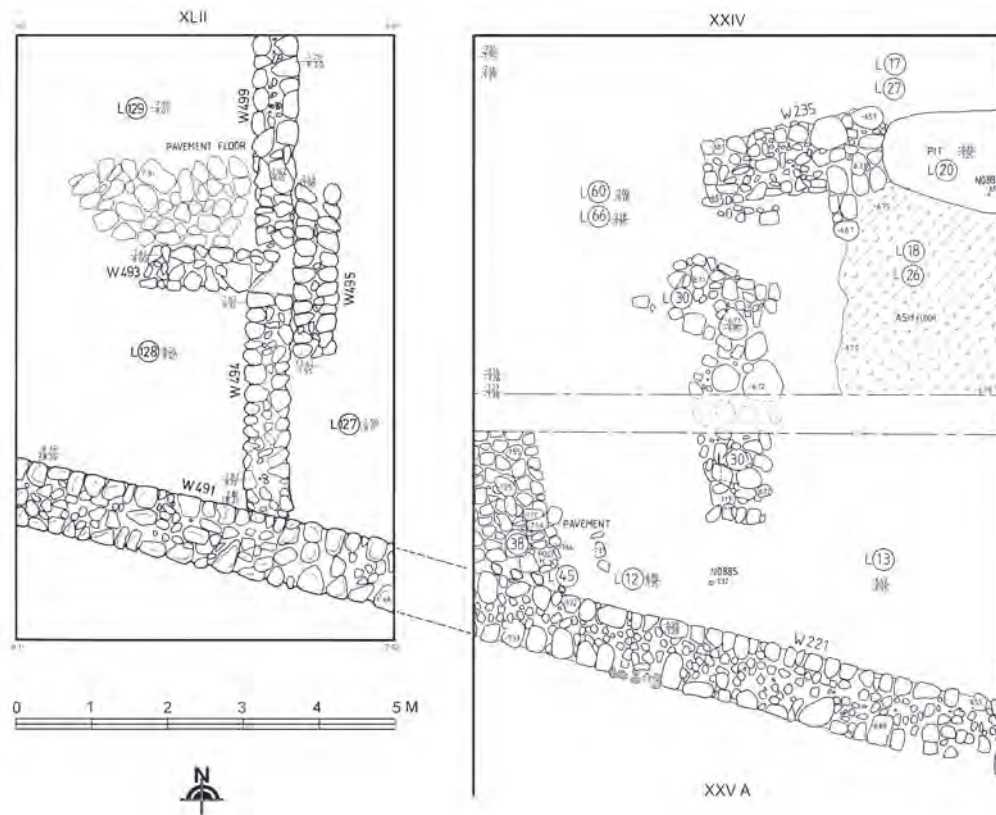


Fig. 244 Plan of Phase XII, Area 9 West

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
221	1.0	0.2-0.3	2			
235	0.9	0.3	2			
491	1.0	0.2-0.4	2			
493	0.6	0.6	3			
494	0.6	0.3-0.4	2-3			
495	0.6	0.5	3			
499	0.6	0.4	2			

Table 55 Description of the walls of Phase XII, Area 9 West

### Interpretation of the material evidence

The scanty remains of this phase do not allow any useful deductions. There are a number of obvious domestic, partly stone-paved, structures which were destroyed in a conflagration. Serious damage has been done to the structures and most of the pottery and other finds were not found in their original position. The majority of the sherds are from the second half of the Iron Age.

### Legend for the illustrated pottery from Phase XII, Area 9 West

Fig.	Locus No.	Description
245:1	20 -1	Bowl, medium-hard-fired, reddish-brown fabric, medium-fine, light brown slip, thin red wash.
245:2	20 -2	Carinated bowl, hard-fired, light brown fabric, greyish-brown core, medium-coarse, multicoloured inclusions, yellowish-brown slip, thin brown wash.

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
12	pavement	5	-1 j, -3 cp, 1 jl, 1 ja, 1 cp, 88 ud			
13	surface, o.d.	8	-2 k/hm, -3 cp, -4 sj, -7 b, -8 cp, 221 ud	1	N885, -1, -5, -6	
17	fill, o.d.		-1 k			
18	fill, o.d.	136	-1 sj, 3 b, 1 k, 2 jl, 3 j, 1 ja, 2 sj, 2 cp, 4 dec ud, 1 CG jl			
20	pit, d. 1.2 x 1.0, o.d.	2	-1 b, -2 cb, 5 b, 1 jl, 1 j, 8 sj, 2 l, 1 cp		N884	
26	floor, much ash	15	-1 cb, 1 jl, 1 cp			
27	surface, o.d.	67	1 tri, 1 stj, 50 ud			
30	stone circle					
45	posthole					
60	fill, o.d.	3	-1 j, 3 b, 2 cb, 2 k, 2 j, 1 sj, 1 cp, 109 ud			
66	surface, o.d.	8	2 b, 1 k, 1 dt, 2 jl, 3 j, 1 sj, 2 cp, 153 ud	5		
127	surface					
128	surface, partly stone-paved					
129	surface, partly stone-paved					

Table 56 Description of the loci of Phase XII, Area 9 West

245:3	26	-1	Carinated bowl, medium-hard-fired, brownish-grey fabric, grey core, medium-coarse, black and white inclusions, reddish-brown burnished slip.
245:4	17	-1	Krater, hard-fired, light reddish-yellow fabric, fine, self slip, burnished interior, red slip on rim.
245:5	13	-2	Krater/hole-mouth jar, hard-fired, light brown fabric, grey core, medium-coarse, black inclusions, light brown slip.
245:6	12	-1	Jug, hard-fired, yellowish-brown fabric, medium-coarse, some white and grey inclusions, yellow slip, red wash.
245:7	13	-4	Storage jar, hard-fired, reddish-brown fabric, coarse, mainly white inclusions, self slip.
245:8	60	-1	Jug, spout, medium-hard-fired, light yellowish-red fabric, light brown core, medium-coarse, multicoloured inclusions, self slip.
245:9	13	-8	Cooking pot, hard-fired, greyish-brown fabric, grey core, coarse, mainly white inclusions, self slip.
245:10	12	-3	Cooking pot, hard-fired, brown fabric, coarse, mainly white and grey inclusions, self slip.
245:11	13	-3	Cooking pot, hard-fired, light reddish-brown fabric, grey core, coarse, multicoloured inclusions, light yellowish-brown slip.

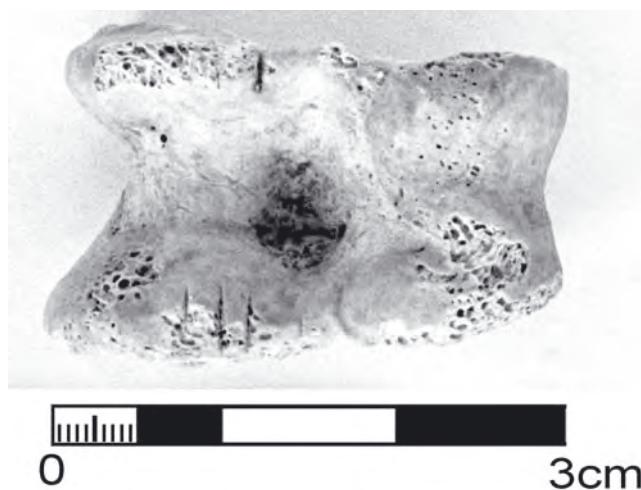


Fig. 246 Astragal with incisions from Phase XII, Area 9 West

## Additional finds from Phase XII, Area 9 West (listed, not illustrated)

Locus No.	Description
13 N885	Spindle whorl, made of reused sherd, d. 5.6, Th 0.6 cm, Wt 15 g.
13 -1	Loom weight, unfired clay, d. 9.5, d. of hole 1.8 cm, Wt 420 g.
13 -5	Pestle, stone, d. 6.5–6.9, H 6.3 cm.
13 -6	Pestle, stone, d. 6.5–7.9, H 6.1 cm.
20 N884	Shell, pierced, L 3.2, W 1.1, Th 0.3 cm.



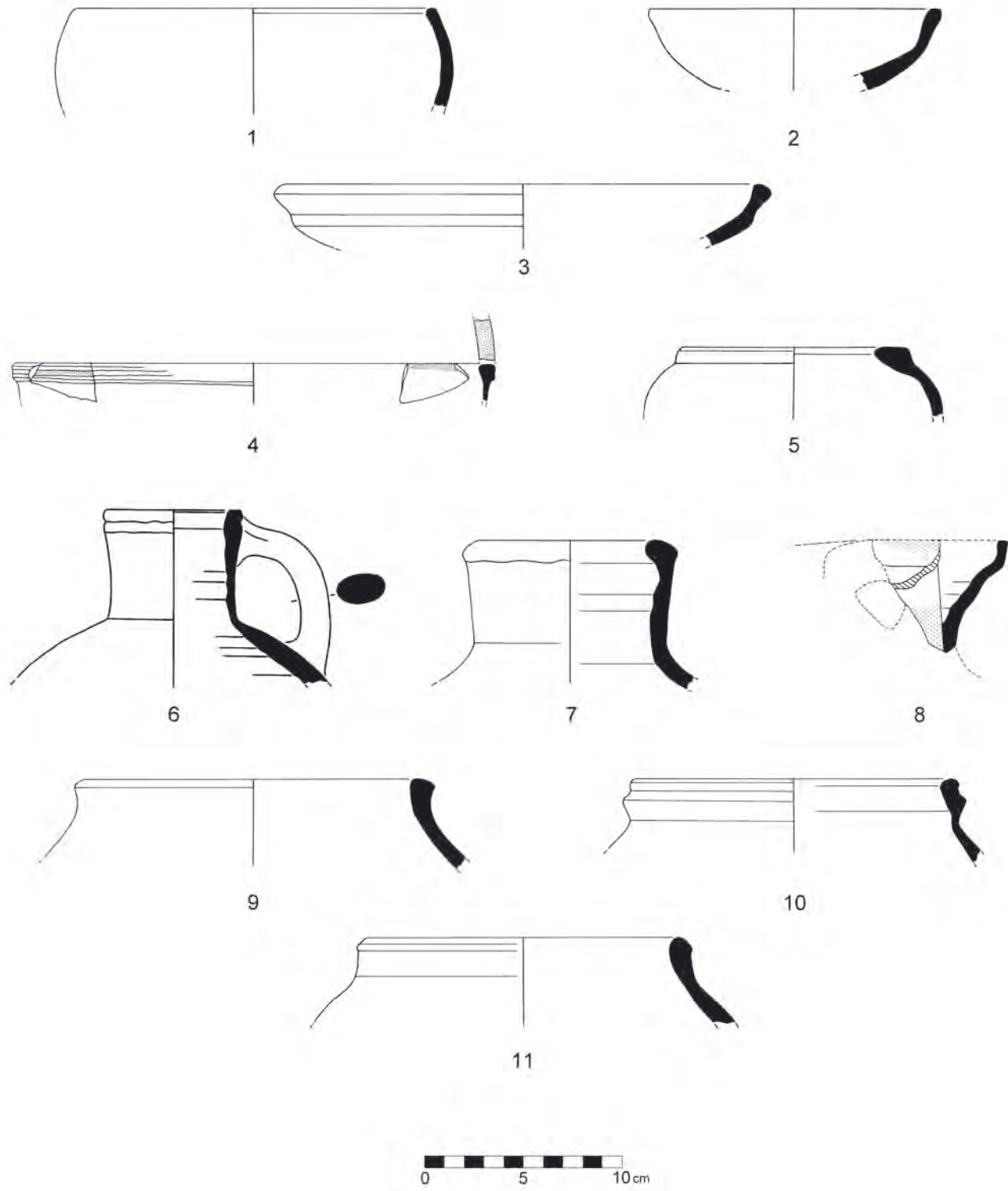


Fig. 245 Pottery from Phase XII, Area 9 West

**PHASE XIII, AREA 9 WEST** (Figs. 247–249)**Architecture and features**

The city wall W491/221 was reused from the previous period. Two perpendicular walls (W492, 223), 11.5 m apart, were obviously built against it. W223/222 and W223/226 form the corners of two walled spaces. There are the remains of a possible pavement in the north-eastern corner of the area and a large pit in the western part (L126'). Finds from this phase are an almost complete krater (N877), the base of a juglet (N897), a Black Juglet (N889; Figs. 248:1 and 249 left), a female figurine holding a tambourine (N874; Figs. 248:6, 458:5 and 462:1; see also Appendix 1), a

bull's hind part (L7-2; Figs. 248:5 and 463:6; see also Appendix 1), tweezers of iron (N882), an arrowhead of iron with parts of the wooden shaft preserved (N883), a stone pestle (N876), a limestone loom weight (N1111) and a millstone of basalt (N1112). The presence of a silver and a copper coin, a lentoid flask of glass (N870) and silver(?)-lead pendant (N888) indicates that this, the most superficial of the phases in Area 9 West, was exposed to later activities.

**Interpretation of the material evidence**

The city wall W 491/221 is the same wall as was found in 1989 to the west in Area 1 and numbered Wall 4

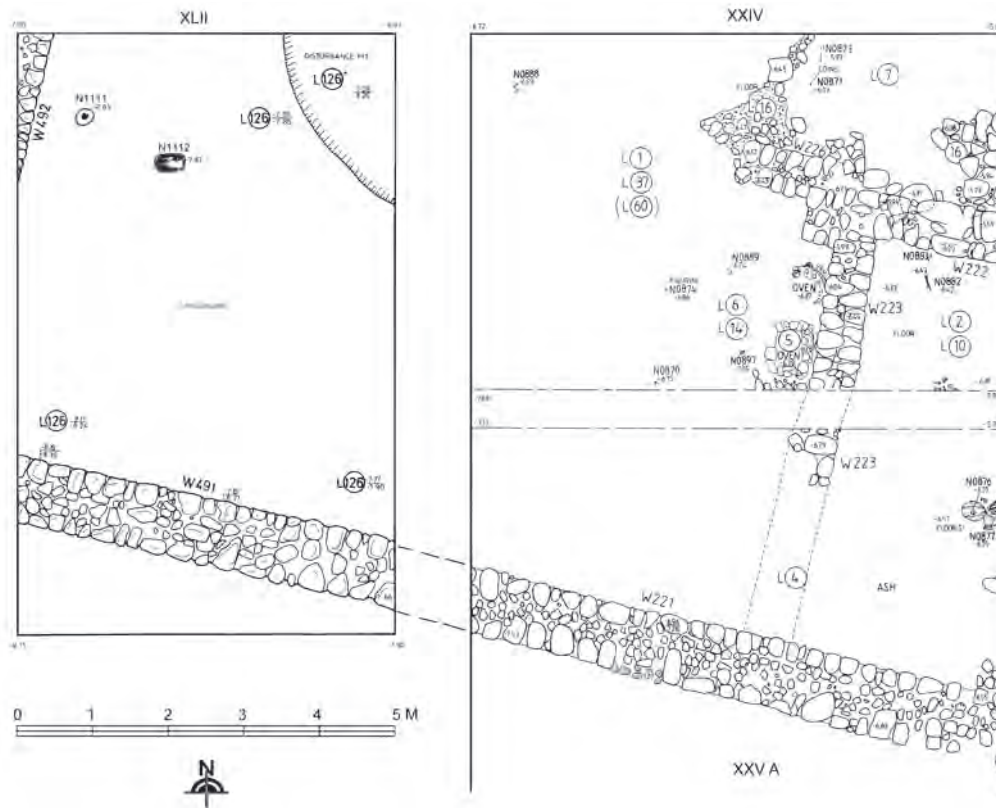


Fig. 247 Plan of Phase XIII, Area 9 West

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
221	1.0	0.2-0.3	2			
222	0.7	0.2	1			
223	0.6	0.2	1			
226	0.6	0.3	2			
491	1.0	0.2-0.4	2			
492	?	0.3	1-2			

Table 57 Description of the walls of Phase XIII, Area 9 West

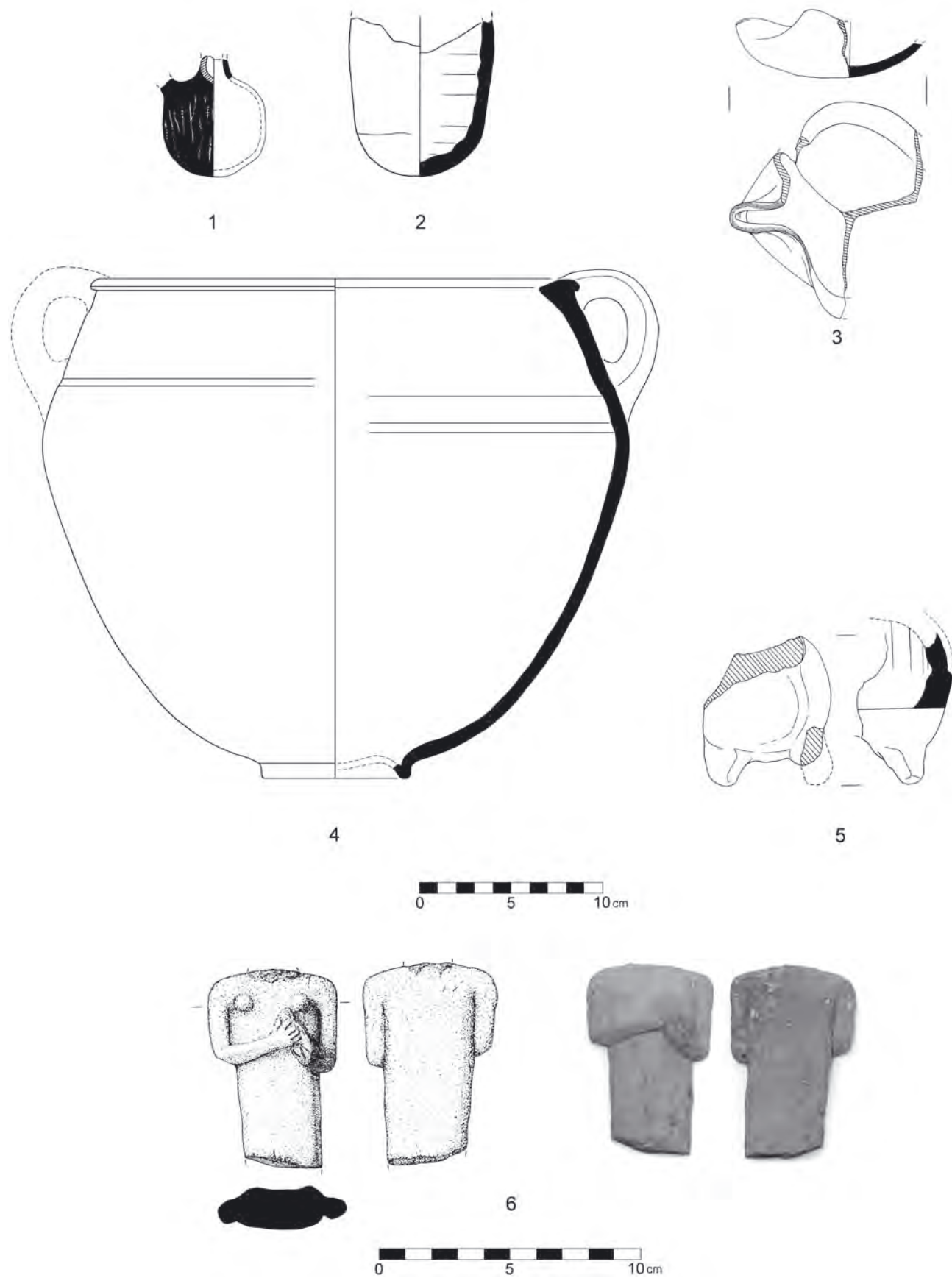


Fig. 248 Pottery and figurines from Phase XIII, Area 9 West

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
1	fill, od.	5	N889 bjl, 2 b, 2 j		N870, N874 fig, N888	N870: top of L1
2	fill, o.d.					disturbed
4	fill, o.d.	9	N877 k, -1 l, -2 k, 3 b, 3 k, 1 g, 1 j, 1 jl, 1 l, 1 sj, 7 ep, 101 ud	26	N876	
5	tabun, partly preserved					
6	fill, o.d.					disturbed
7	fill, o.d.	5	2 b, 1 k, 2 sj, 46 ud		-2 fig, N871, N873	N871: between Coll and L7
10	surface, o.d.	9	1 b, 1 jl, 1 sj, 44 ud		N882, N883	
14	surface, o.d.		1 sj, 17 ud	2		
16	floor with pebbles, partly preserved		2 b, 1 sj, 2 ep			
37	surface, o.d.	39	N897 jl, 5 b, 3 k, 1 j, 2 hm, 4 sj, 2 ep, 184 ud	7		
126	surface, o.d.				N1111, 1112	
126'	pit					

Table 58 Description of the loci of Phase XIII, Area 9 West

(FISCHER 1991: 73). Its total length is more than 300 m and it encircles the upper part of the tell. A meaningful interpretation of the scanty remains is not possible. There are again a number of obvious domestic, partly stone-paved, structures. The finds fit well into the second part of the Iron Age.

#### Legend for the illustrated pottery and figurines from Phase XIII, Area 9 West

Fig.	Locus No.	Description
248:1	1 N889	Black Juglet, hand-made, hard-fired, greyish-brown fabric, medium-fine, some white inclusions, thick black slip, vertically burnished (see also Fig. 248 left).
248:2	37 N897	Juglet, hard-fired, reddish-brown fabric, coarse, mainly black inclusions, self slip.
248:3	4 -1	Lamp, hard-fired, light red fabric, grey core, fine, self slip.
248:4	4 N877	Krater, hard-fired, red fabric, dark grey core, medium-coarse, multicoloured inclusions, reddish-brown slip.
248:5	7 -2	Figurine of bull, wheel/hand-made, hard-fired, light red fabric, thick grey core, coarse, mainly black inclusions, self slip, red paint (see also Fig. 463:6 and Appendix 1).

248:6 1 N874 Figurine of female holding tambourine, hand-made, hard-fired, light red fabric, thick grey core, coarse, mainly white inclusions, light red slip; traces of a "glaze" are visible on the back of her left shoulder (see also Figs. 458:5, 462:1 and Appendix 1).



Fig. 249 Black Juglets: N889 from Phase XIII, Area 9 (left); N906 from Phase XIV, Area 7 (right)

Additional finds from Phase XIII, Area 9 West (listed, not illustrated)

Locus No.	Description
1	N870 Unguentarium, glass, lentoid shape, d. of rim 1.9, d. of neck 1.4, d. of handle (outer diameter) 1.9, average Th 0.8 cm.
1	N888 Bead/pendant, silver/lead, rosette-shaped.
4	N876 Pestle, basalt, tapering, d. bottom 6.7, d. top 4.7, H 6.1 cm.
7	N871 Coin, silver, "752 A.D.", d. 2.5, Th 1.07 cm.
7	N873 Coin, copper-alloy, very corroded. d. 1.7, Th 0.2 cm; and point of needle, bronze, fragmentary, L 2.7, d. 0.5–0.2 cm.
10	N882 Tweezers, iron, broken, L 26.0, d. of shafts 1.6, d. of spring 3.1 cm.
10	N883 Arrowhead, iron, very corroded L 10.5, W 1.7, Th 0.8 cm; parts of wooden shaft still attached.
126	N1111 Loom weight, limestone, d. average 8.5, Th 3.0 cm, Wt 310 g.
126	N1112 Millstone, basalt, rectangular shape, 21.0 × 16.0, max. Th 4.5 cm.

## PHASE IX, AREA 9 EAST<sup>49</sup> (Figs. 250–355)

### Architecture and features

The total length of the exposed Phase IX structures is 58 m and the width is roughly 8 m (Figs. 250 and 251A and B). There is a sort of annex (K in Fig. 251B), 12 m in length, to the west which is partly connected with the main structure to the east, i.e. a cell-plan compound, 46 m in length (between D and E in Fig. 251B). The annex, which consists of at least four walled spaces with several fire places has a different layout in comparison with the cell-plan compound but is built of walls of an identical direction. There is a stone-paved space to the west of the cell-plan compound opposite its entrance (G in Fig. 251B). An unusual find of a lion figurine of fired clay was made west of this space and just to the north of W668 (N1424; Figs. 354, 458:6, 463:2 and Appendix 1).

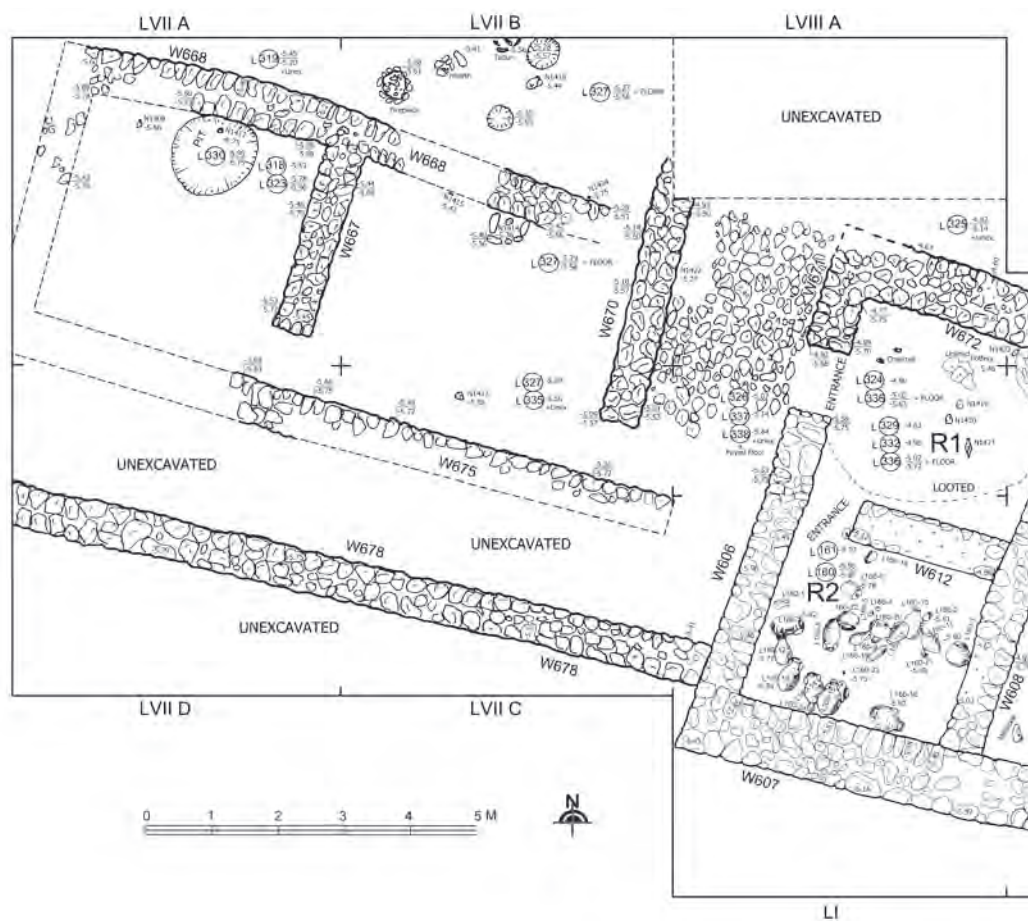


Fig. 250B Plan of Phase IX, Area 9 East, western annex and Rooms 1 and 2

<sup>49</sup> The report on the stratigraphy of Area 9 East, the description of the finds, the interpretation of the remains and the listing of parallels (see Chapter 5) represent the outcomes of a cooperative project between T. Bürge and the author.

Additional studies dealing with the Iron Age I compound from Phase IX will be carried out by T. Bürge as part of her PhD thesis (to be presented 2015/2016).

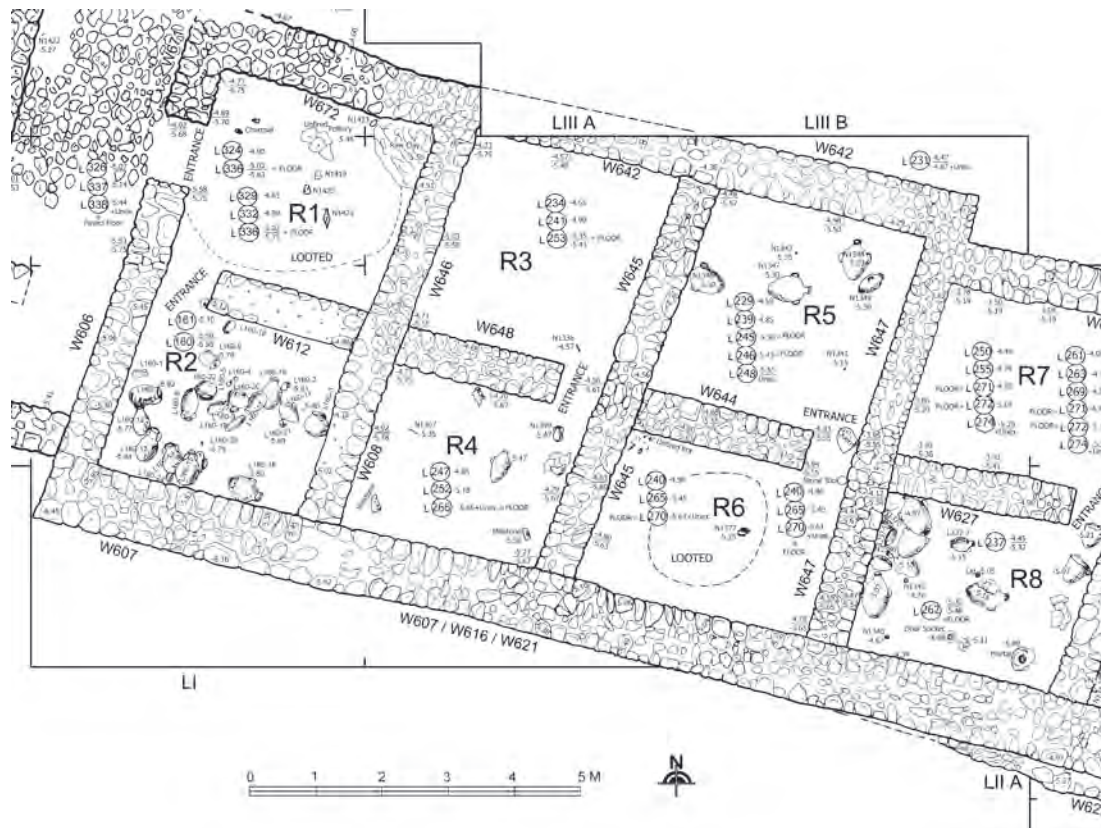


Fig. 250C Plan of Phase IX, Area 9 East, Rooms 1-8

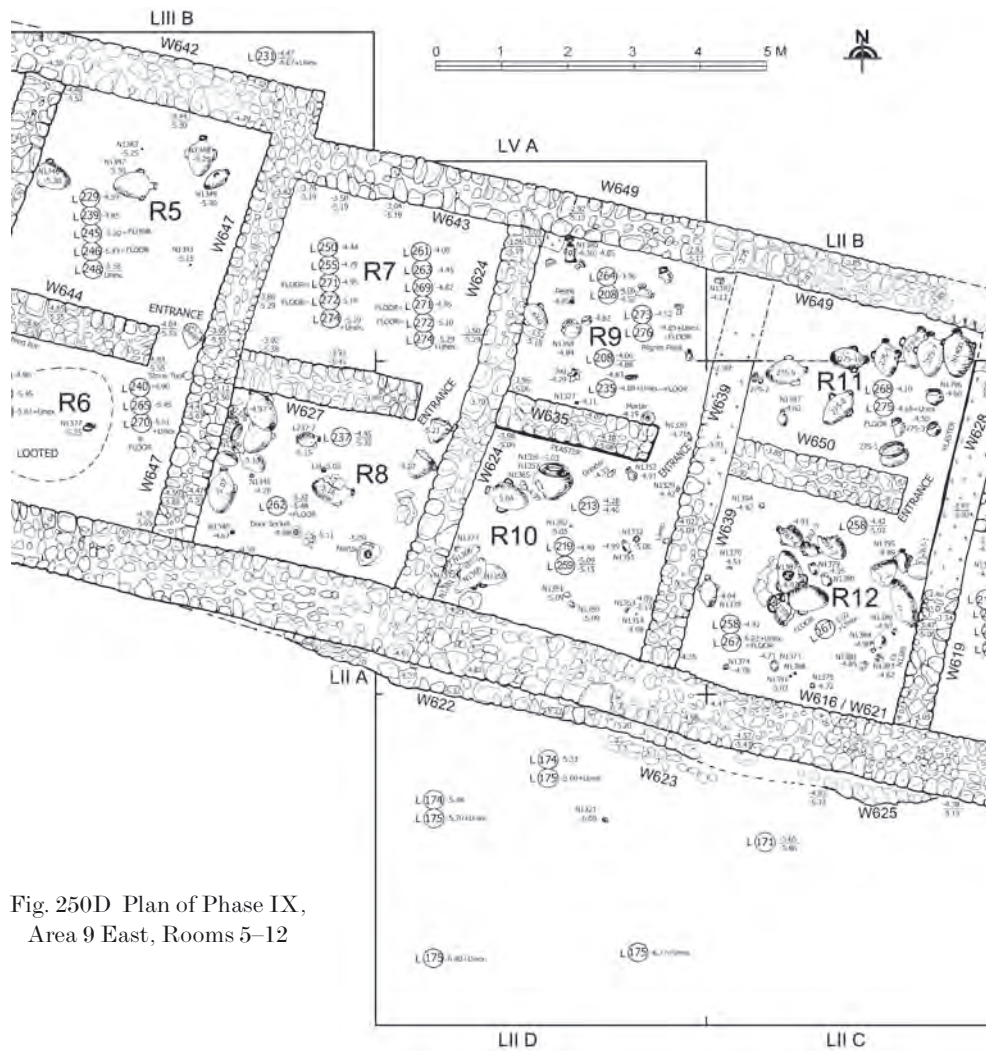


Fig. 250D Plan of Phase IX, Area 9 East, Rooms 5-12



Fig. 250E Plan of Phase IX, Area 9 East, Rooms 11–16

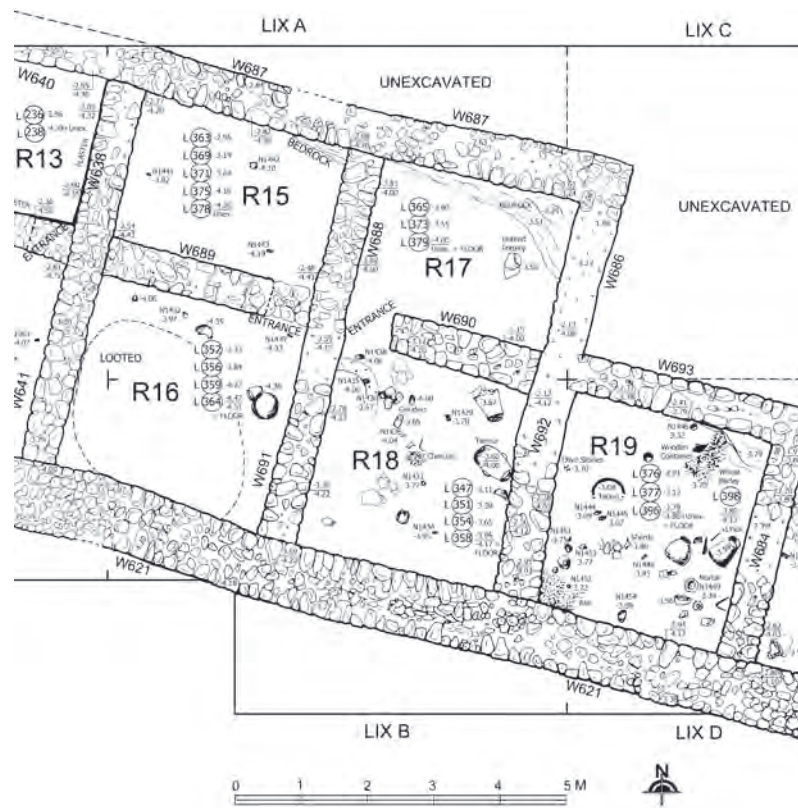


Fig. 250F Plan of Phase IX, Area 9 East, Rooms 15–19

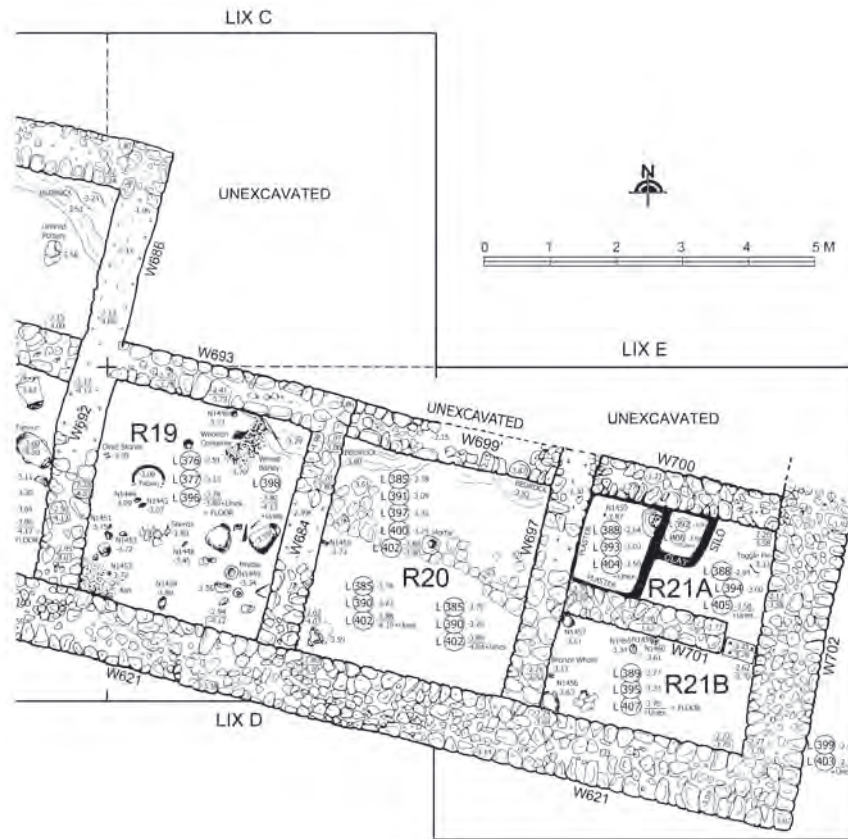


Fig. 250G Plan of Phase IX, Area 9 East, Rooms 19–21

After removing debris with a total thickness of more than 1 m and the burnt down roof structures<sup>50</sup> which were up to 0.5 m thick (see below and Fig. 264), we were able to expose 46 m × 8 m of the cell-plan compound in the seasons 2009–2012 (see traces of intense fire in Fig 252 and other illustrations). A considerable amount of organic remains were found fairly well preserved (see below and Figs 253, 254, 273, 274, 304 and 316). The cell-plan compound contains 22 rooms (R1–21A, B). The rooms are here numbered from west to east with uneven numbers to the north and even numbers to the south when the rooms are arranged pairwise (R1–18). The high profile of bedrock did not permit the construction of basement rooms in the north-eastern part of the compound; consequently R19–21 are single rooms to the south of which R21 is separated into two smaller spaces (A and B).

The compound is extremely well preserved and

built upon the remains from the Bronze Age including the Late Bronze Age city wall (see the preliminary reports in FISCHER 2012a; FISCHER and BÜRGE 2012, and *idem* in press a–d; FISCHER and FELDBACHER 2010, 2011). Regrettably three looters' pits which were dug between the 2009 and 2010 seasons of excavations reached Stratum IX and disturbed the contexts to a fair depth although only within restricted spots. One is in the northern room of the most westerly pair (Room 1), the second is in the southern room of the third pair (Room 6) and the third is in the southern room of the eighth pair (Room 16). None of the other spaces were disturbed after the catastrophe and conflagration which brought Phase IX to an end. This came as a surprise when one considers, at least in the case of the most westerly rooms, their closeness to the surface, especially in their southern parts (see e. g. Fig. 255).

<sup>50</sup> The building represents a two-storey compound. Here, the roof belongs to the basement which is equivalent with the floor of the upper storey.



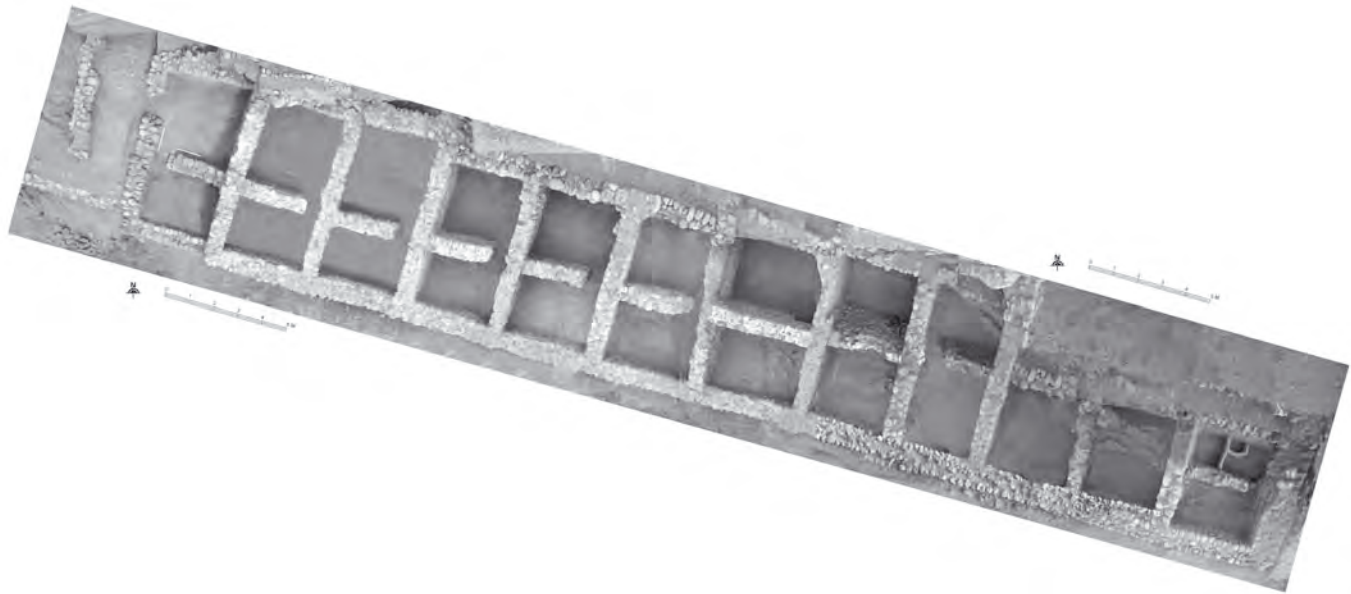


Fig. 251A Overview Phase IX, Area 9 East. Photographs via photo-tower (photographed and compiled by T. Bürge)

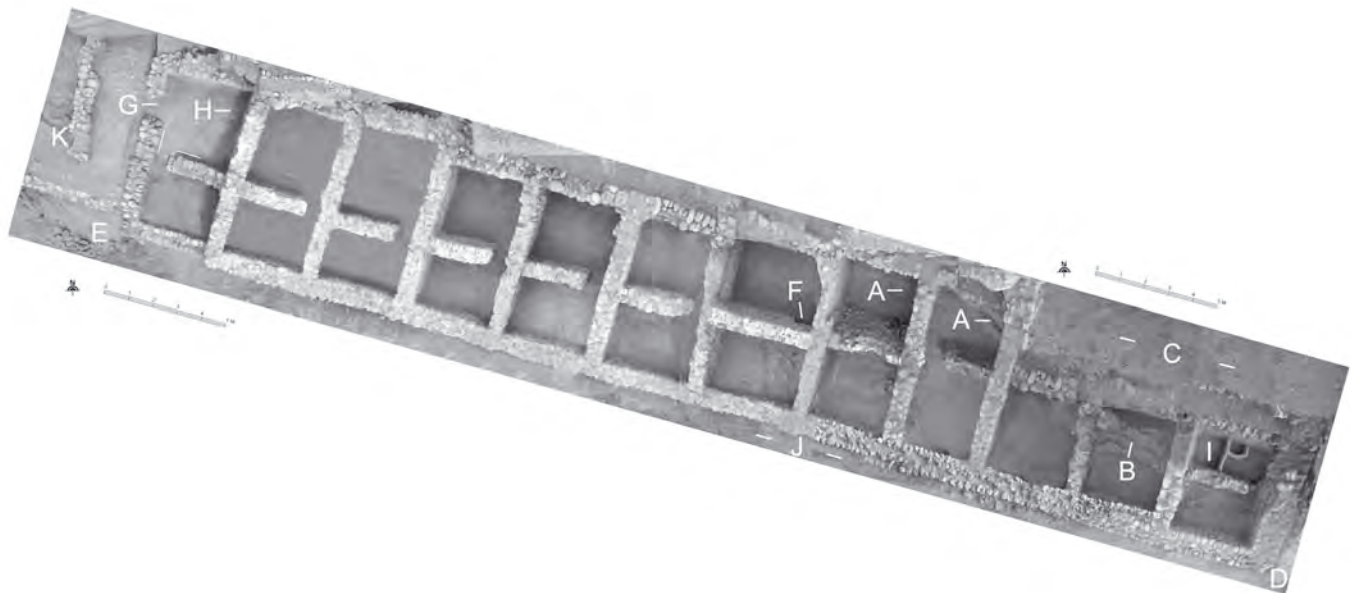


Fig. 251B Phase IX compound: A – bedrock; B – Late Bronze Age city wall; C – levelled surface above bedrock; D – eastern limit (?) of compound; E – western limit of compound; F – preserved entrance; G – paved area in front of western entrance; H – depot of fine clay; I – silo; J – consolidated area to the west, not yet consolidated to the east (state 2012); K – western annex structure

The rooms are fairly standardized, being from  $2.5\text{ m} \times 3\text{ m}$  to  $3\text{ m} \times 3\text{ m}$  in size except for Room 21 which is further separated into two small rooms of roughly equal size. The walls of the compound are in general  $0.6\text{--}0.7\text{ m}$  wide except for the city wall, which is approximately  $1\text{ m}$  wide and against which the compound is built to the south. The Iron Age city wall rests on the city walls from earlier Bronze Age peri-

ods. All pairwise arranged rooms (R1–18) are connected to each other through standardized entrances  $0.6\text{ m}$  wide. These entrances are in general from the east, except for R1-2 and R17-18 with entrances from the west. Some entrances have a threshold of clay because the northern row of rooms is somewhat higher up the tell than the southern one. All the rooms were plastered on the interior with a layer of fine clay. The



Fig. 252 Soot on northern wall of Room 19

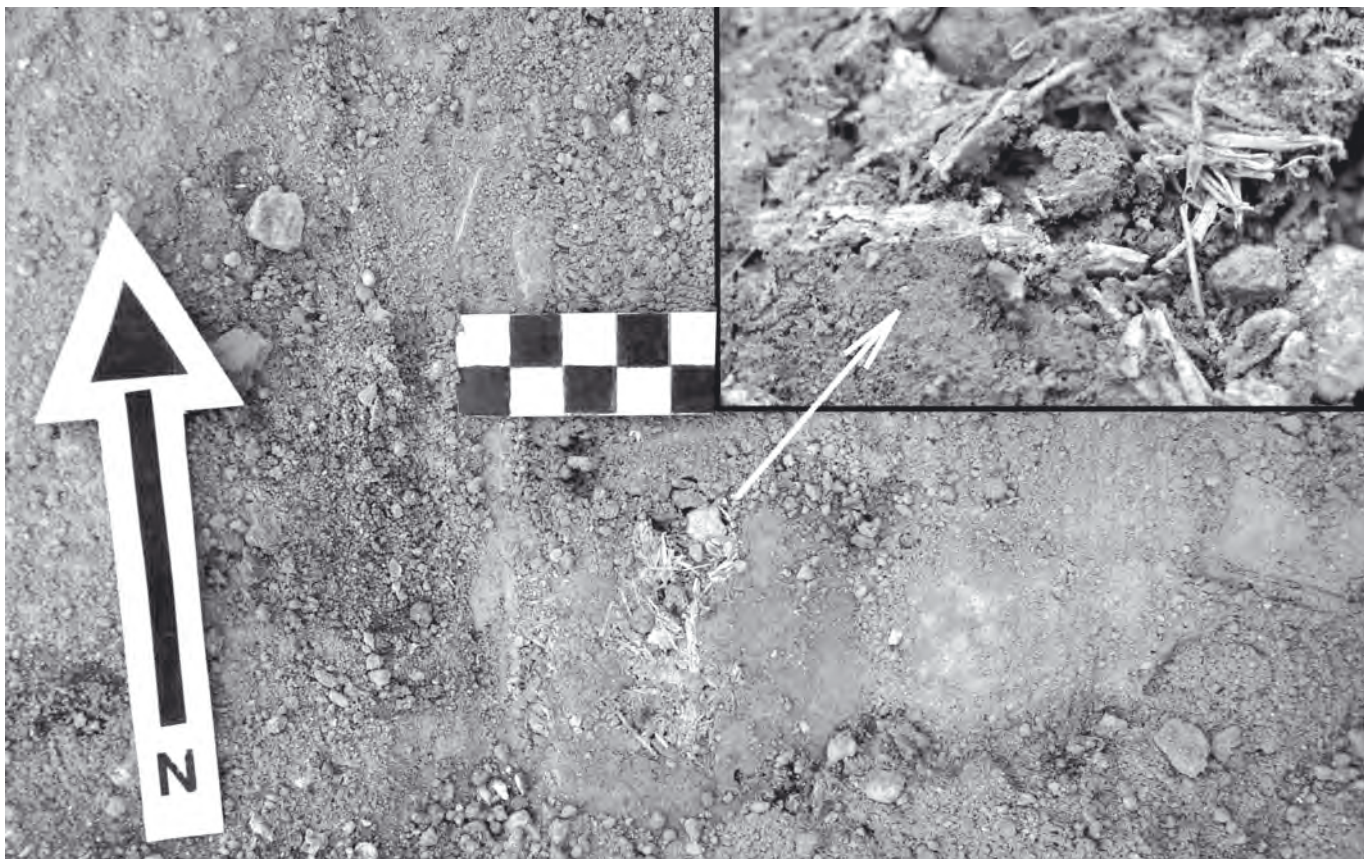


Fig. 253 Straw of roof construction; enlarged within box

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
606	0.6-0.65	0.5	3			
607	1.0	0.4	3			city wall
608	0.6	1.0	7-8			
612	0.65	0.9	7			wall with entrance
616	1.0	0.4	2			city wall
619	0.5	2.5	8			
620	0.55	2.1	8			wall with entrance
621	1.0	0.9	5			city wall
624	0.6	2.1	11			
627	0.65	1.4	10			wall with entrance
628	0.5	1.4	5	5	i.d.	upper mudbrick part preserved
635	0.65	1.1	7			wall with entrance
638	0.6	2.4	9			
639	0.6	2.0	7			
640	0.7	2.4	9			
641	0.65	2.2	9			
642	0.8	0.8	7			
643	0.7	1.5	10			
644	0.65	0.7	5			wall with entrance
645	0.65	0.7	6			
646	0.7	0.65	4			
647	0.7	1.4	10			
648	0.65	1.0	7			wall with entrance
649	0.7	1.35	7			
650	0.65	1.5	10			wall with entrance
667	0.7	0.2	1			
668	0.75	0.25	1			disturbed
670	0.7	0.5	1-2			
671	0.7	0.9	i.d.			unexcavated, wall with entrance
672	0.9	i.d.	i.d.			unexcavated
675	0.6	0.3	1			disturbed by later building activities
678	0.6	i.d.	i.d.			unexcavated
686	0.65	1.8	9			
687	0.65	1.2	8			
688	0.5	1.7	7			
689	0.5	2.0	8			wall with entrance
690	0.65	1.0	4			wall with entrance
691	0.65	1.5	7			
692	0.65	1.4	8			
693	0.65	1.4	8			
697	0.65	1.6	7			
699'	0.6	1.0	5			
700	0.65	1.6	7			
701	0.5	1.2	5			wall with entrance
702	1.1	1.7	6			

Table 59 Description of the walls of Phase IX, Area 9 East

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
160	floor of room, o.d.	29	-1 jl, -2 jl, -3 k, -7 ja, -8 sj, -9 ja, -10 sj, -11 sj, -12 sj, -13 j, -14 sj, -15A k, -15B ja, -16 sj, -17 stj, -18 sj, -20 sj, -21 jl, -22 k, -25 sj, -26 sj, -27 cb		-4, -5, -6, -19, -23, -24	very hard, much ash
161	fill above floor of room, o.d.	4	-1 k, 3 j, 85 ud			
174	dump outside city wall	13	24 ud		N1321	mixed-up; find may belong to any period
175	dump outside city wall	4	7 ud			mixed-up
208	layer with o.d. above floor	16	N1392 pyx, -1 k, -2 k, -3 ep, -4 sj, -5 sj, -6 Phoen j, 1 b, 1 cb, 1 c, 1 k, 6 j, 5 sj, 390 ud		N1327	
210	fill above floor, charcoal, ash		-1 ep, -2 ep			
213	fill above floor, charcoal, ash	10	-1 l, -2 sj, -3 j, -4 j, 3 k, 1 jl, 8 j, 1 ja, 2 sj, 162 ud			
219	layer with o.d. above floor		N1332 l, N1350 pf, N1351 pyx, N1352 j, N1353 c?/l?, N1355 j, N1356 k, N1357 k, N1359 ja, N1360 sj, N1361 sj, N1365 pyx, N1366 sj, N1372 b, N1373 j, -1 k, -3 k, -4 j, -5 ep, -6 g/jl, -7 b, -8 jl, -9 ja, -10 cb, 9b, 1 c, 61 k, 12 jl, 51, j, 3 ep, 1 l, 6 sj, 2479 ud		N1329, N1330, N1354, N1362	
229	fill above floor of room, o.d.	56	-1 k, -2 k, -3 k, -4 ep, -5 ep, -6 k, -7 ep, 11 b, 1 g, 4 k, 7 j, 2 jl, 2 sj, 4 ep, 311 ud			
231	fill outside compound, hard packed	26	1 j, 27 ud			partly excavated
234	fill above floor of room, o.d.	21	-1 k, -2 ja, 6 b, 9 k, 8 j, 1 l, 5 sj, 128 ud		N1336	
235	floor of room, o.d.					
236	fill above floor, charcoal, ash	1	2 k, 6 j, 1 jl, 1 ja, 1 ep, 2 sj, 142 ud		N1337, N1338, N1339	
237	fill above floor, charcoal, ash	70	N1386 jl, -1 j, -2 k, -3 b, -4 j, -5 ep, -6 sj, -7 j, -8 ep, 11 b, 1 c, 8 k, 29 j, 2 jl, 1 ja, 53 sj, 1 ep, 3015 ud		N1340, N1345, N1376	
238	floor of room, o.d.	4	-1 ep, 1 k, 1 j, 2 sj, 68 ud			
239	fill above floor of room, o.d.	19	N1346 sj, N1347 sj, N1348 sj, N1349 sj, -1 ep, 3k, 2 j, 372 ud		N1341, N1343	
240	disturbed o.d.	30	-1 ej, 2 b, 2 k, 7 j, 1 ja, 1 spja, 7 sj, 205 ud		N1377	fired mudbrick remains
241	fill above floor of room, o.d.	63	-1 j, -2 cb, -3 b, 1 b, 9 k, 5 j, 3 jl, 1 ep, 340 ud		-4	
243	margins of looters' pit	2	1 jl, 1 j, 17 ud			not excavated
244	fill above floor, charcoal, ash	16	-1 pyx, -2 cb, -3 ep, -4 j, -5 k, 2 k, 7 j, 1 jl, 1 sj, 118 ud		N1363, N1364, -6	
245	floor 1 of room, o.d.		1 k, 1 j, 17 ud			fresh most recent floor
246	floor 2 of room, o.d.					very hard and used
247	fill above floor of room, o.d.	3	-1 sj, 4 b, 2 j, 30 ud		N1367	
248	floor 3 of room, o.d.					very hard and used

Table 60 Description of the loci of Phase IX, Area 9 East

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
249	floor of room, o.d.	1	-1 cp, -2 j, -3 cj, -4 j, -5 k, 1 k, 22 j, 1 l, 5 sj, 480 ud		N1368, N1369	
250	fill with ash, mudbrick	6	4 b, 1 k, 6 sj/k, 260 ud			
252	fill above floor of room, o.d.	41	N1399 cj, -1 b, -2 j, -3 j, -4 k, -5 ja, -6 cb, 5 b, 1 k, 9 j, 1 jl, 1 l, 9 sj, 240 ud			
253	floor of room, o.d.					
254	just below floor of room, o.d.	11	1 b, 1 ja, 10 ud			
255	fill with ash, charcoal, mudbrick	5	1 b, 2 j, 1 ud			
258	fill above floor, charcoal, ash	10	N1371 l, 3 b, 3 k, 2 jl, 3 j, 9 sj, 299 ud		N1370, N1374, N1375, N1394	
259	floor of room, o.d.					
261	fill, medium-hard, o.d.	9	-1 cp, 2 sj, 7 cp, 58 ud			
262	floor of room, ash, o.d.					
263	fill, destruction layer, ash, charcoal	7	1 k, 1 cp, 117 ud			
264	fill above floor, charcoal, ash	16	-1 pf, -2 k, 2 b, 1 k, 3 j, 1 hm, 5 sj, 2 cp, 168 ud			
265	disturbed o.d.					fired mudbrick remains
266	floor of room, o.d.	1	1 cb, 13 ud			
267	floor of room, o.d.	27	N1378 ja, N1379/1 jl, N1379/2 lid, N1380 jl, N1381 jl/pyx, N1383 g/jl, N1384 pf, N1387 b, N1395 ja, N1398 j, -1 ja, -2 ja, -3 pf, 8 b, 5 k, 16 j, 1 jl, 1 l, 69 sj, 1 ja, 1 spja, 2669 ud		N1382, N1388, N1389, N1391	
268	fill above floor, charcoal, ash	10	-1 cj, -2 cj, 1 b, 10 k, 4 j, 1 stj, 4 jl, 1 l, 1 ja, 2 sj, 337 ud			
269	fill, destruction layer, ash, charcoal	8	9 j, 67 ud			
270	floor of room, ash, o.d.					
271	floor 1 of room, o.d.	11	12 ud			
272	floor 2 of room, o.d.	92	23 ud			
273	layer with o.d. directly above floor	96	N1358 cp, N1390/1/2 stand, -1 j, -2, k, -3 ja, -4 c, 7 b, 1 k, 4 j, 2 jl, 1 ja, 5 sj, 241 ud			
274	fill, hard-packed					unexcavated
275	floor of room, o.d.		N1396 k, N1397 g/jl, N1400 spsj, -1 k, -2 c, -3 cp, -4 g/j, -5 ja, -6 sj, -7 sj, -8 sj, -9 sj, -10 sj			
276	floor of room, o.d.					
318	fill, destruction layer	-1... -6, 80	1 b, 2 k, 8 j, 1 sj, 2 cp, 138 ud			
319	surface					
323	fill, o.d.	133	1 b, 2 sj, 2 cp, 46 ud		N1408	
324	fill, destruction layer	6	1 b, 1 k, 20 ud			

Table 60 continued Description of the loci of Phase IX, Area 9 East

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
325	fill, o.d.	20	1 j, 1 ja, 28 ud			
326	fill, o.d.	20	1 ja, 2 sj, 60 ud		N1422	
327	fill, o.d.	N1418, -1... -4, 502	5 jl, 4 ja, 178 ud	1	N1413, N1414, N1415	partly disturbed
329	fill, o.d.	13	-1 b, 2 b, 1 cb, 3 k, 1 jl, 5 j, 10 sj, 1 l, 104 ud	2		looter's pit, disturbed
330	pit	-1, 25	1 b, 1 jl, 3 j, 1 sj, 60 ud		N1417	
332	fill, destruction layer above floor	13	31 ud		N1419, N1420, N1421	
335	fill, dump	-1, 552	1 j, 1 sj, 1 cp, 13 ud		N1424 fig	
336	fill above floor, ash, charcoal	-1, 137	3 b, 1 c, 1 k, 2 jl, 5 j, 2 sj, 1 l, 71 ud		N1423	
337	fill, o.d.	152	5 b, 1 c, 4 j, 1 spja, 3 ja, 8 sj, 1 cp, 69 ud	1		
338	paved surface					covered by sherds
347	fill, destruction layer, o.d.	56	5 j, 5 ja, 5 cp, 273 ud	2		
351	destruction layer, mudbrick, charcoal, ash	30	N1429 jl, N1430 j, -1 l, -2 cp, -3 jl, 4 b, 3 k, 2 jl, 2 j, 3 ja, 2 sj, 1 l, 323 ud			
352	destruction layer, mudbrick, charcoal, pebbles	30	2 b, 2 k, 2 jl, 2 j, 2 ja, 4 cp, 232 ud	2		
354	destruction layer above floor, mudbrick, charcoal, ash	40	N1431 b, -1 j, -2 cp, -3 cj, -4 cb, -5 ja, -6 ja, -7 tannur, 8 b, 1 c, 7 k, 6 jl, 6 j, 1 spj, 6 ja, 1 sj, 1 hm, 5 cp, 553 ud		N1434	
356	destruction layer, mudbrick, o.d.	32	N1432 jl, -2 k, 3 b, 3 k, 6 j, 5 ja, 3 cp, 330 ud		-1	
358	floor of room, charcoal, ash, o.d.	44	N1436 b, N1438 lid, -2 pyx, 4 b, 6 k, 2 jl, 7 j, 1 spj, 9 ja, 1 l, 3 cp, 363 ud		N1435, -1	
359	destruction layer above floor, mudbrick, o.d.	12	-1 cp, 2 b, 2 k, 1 jl, 1 spjl, 3 j, 4 ja, 1 kernos, 3 cp, 150 ud		N1439	tabun
363	fill, destruction layer, o.d.		2 j, 1 cp, 26 ud			
364	floor of room, o.d.	17	2 b, 1 k, 2 ja, 3 sj, 2 cp, 125 ud			
365	destruction layer, mudbrick, charcoal, ash	37	3 b, 1 j, 65 ud			
369	destruction layer, mudbrick, charcoal	30	-1 cj, -2 ja, -3 cp, -4 cp, -5 cp, -6 pyx, 3 k, 1 jl, 1 j, 6 ja, 3 cp, 7 ud			
371	fill, destruction layer, pebbles, o.d.	27	N1442 pyx, -1 pf, -2 cp, -3 cp, -4 cp, -5 ja, 2 b, 3 k, 2 jl, 3 j, 3 ja, 10 cp, 1 cj, 418 ud		N1441	
373	fill, pebbles, o.d.	10	1 b, 1 k, 6 j, 4 ja, 2 cp, 160 ud			
375	destruction layer, mudbrick, charcoal, ash	10	-1 cj, 1 b, 1 k, 1 j, 1 ja, 74 ud		N1443	
376	destruction layer, ash, charcoal	34	-1 spjl, 1 k, 1 j, 1 stj, 8 ja, 3 sj, 1 pyx, 2 cp, 2 cj, 225 ud		N1444, N1445	tabun
377	destruction layer, mudbrick, charcoal, ash, o.d.	-1, 158	N1446 b, N1453 pf, N1454 jl, -2 j, -3 jl, -4 heater, -5 heater, -6 frying pan, -7 b, -8 j, 5 b, 5 k, 1 jl, 6 j, 12 ja, 1 hm, 3 sj, 1 pyx, 2 cp, 779 ud		N1448, N1449, N1451, N1452	
378	floor of room					unexcavated
379	floor of room					unexcavated

Table 60 continued Description of the loci of Phase IX, Area 9 East

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
385	destruction layer, mudbrick, charcoal	-1, 51	-2 b, -3 ja, -4 b, -5 cp, -6 cp, 6 b, 2 k, 2 jl, 7 j, 10 ja, 3 cp, 404 ud	2		tabun
388	fill, mudbrick, charcoal, pebbles	15	2 b, 1 jl, 4 j, 1 ja, 1 l, 2 cp, 248 ud		N1450	
389	destruction layer, mudbrick, o.d.	18	-1 cp, 1 b, 1 k, 7 j, 1 ja, 4 cp, 247 ud		-2	
390	disturbed o.d.	96	-1 ja, 1 b, 3 j, 1 ja, 2 cp, 283 ud	1		mudbrick remains
391	destruction layer, mudbrick, ash	31	-1 b, 5 b, 1 jl, 2 j, 2 ja, 1 cp, 246 ud			
392	fill inside clay structure	4	2 cp, 9 ud			some carbonized seeds
393	fill inside clay structure	3	1 j, 2 ja, 2 cp, 45 ud			some carbonized seeds
394	destruction layer, o.d.	13	2 j, 1 ja, 1 cp, 111 ud		-1	
395	destruction layer above floor, mudbrick, o.d.	28	N1456 ja, N1457 cj, -1 b, -2 ja, -3 b, -4 spj, -5 ja, 7 b, 1 k, 2 j, 32 ja, 36 sj, 15 cp, 1 cj, 2278 ud		N1455, N1459, N1460	
396	floor, foundation of room	30	-1 cp, -2 ja, -3 ja, 2 k, 9 j, 5 ja, 3 sj, 1 l, 5 cp, 281 ud			ash, bones, seeds
397	destruction layer, mudbrick, charcoal, ash	85	-1 l, -2 b, 6 b, 1 k, 2 j, 4 cp, 303 ud	1	N1458	
398	below floor of room	44	2 ja, 31 ud			
399	fill, o.d.	-1, 29	2 k, 1 j, 1 ja, 45 ud			
400	destruction layer above floor, o.d.	13	10 ud			
402	floor of room, ash, o.d.	147				
403	fill, pebbles, mudbrick	2	2 k, 2 ud			unexcavated
404	clay container					unexcavated
405	beaten earth floor of room					unexcavated
406	clay container					unexcavated
407	floor of room					unexcavated
W644	inside wall		1 k, 3 ud			

Table 60 continued Description of the loci of Phase IX, Area 9 East

floor contexts of the undisturbed rooms are amongst the most rewarding of all so far excavated in the city of Tell Abu al-Kharaz.<sup>51</sup>

Room 1 (W606, 671, 672, 646, 612; L324, 336, 329, 332) is one of the partly looted spaces. The southern part was totally emptied by the looters whereas the northern part was partly intact.<sup>52</sup> A depot of fine clay in the eastern part of the room (H in Fig. 251B) and several broken unfired vessels point to the production

of pottery or at least the storage of unfired vessels and raw material. This room contained a considerable amount of charcoaled wood, possibly indicating wooden shelves where the unfired vessels were stored. A sample from a wooden post was sent to the Cornell Tree Ring Laboratory, Cornell University, USA for dendrochronological dating (Fig. 254). The sample, which is ash (*Fraxinus* sp.), could not be placed in a dendrochronological sequence.

<sup>51</sup> In general, the floors of this building are even, hard-packed layers of clay of a totally different texture from the looser fill above.

<sup>52</sup> A sizable heap of sherds from the looting was found around Room 1 when the excavations were resumed in 2010.



Fig. 254 Wooden post (ash; *Fraxinus* sp.) from Room 1, Phase IX, Area 9 East

Room 1 is the only one of the 21 rooms hitherto excavated that has two entrances. One is the standard opening towards Room 2. The second, which is the only one so far from the outside of the building, is 1 m wide. The irregularity of the corner stones may possibly imply that this “entrance” was widened after the destruction of the compound in an attempt to save belongings or to loot. The following finds derive from Room 1: a stone pestle, a basalt weight (?) with a cylindrical depression at the bottom, a spearhead, and a vessel of alabaster from which the neck and rim are missing (N1423; Figs. 346:2 and 347).<sup>53</sup>

Room 2 (L160, 161) is the first space which was excavated in 2009 and which led to the discovery of this compound. It was enclosed by the walls W606, 607/616/621, 608 and 612 – some of them preserved up to 1 m high. There was a 0.12 m thick wooden roof support approximately in the centre of the room and an entrance 0.8 m wide in the north-western corner together with a step leading up to the next (later looted) Room 1. In the south-eastern corner of the passage to Room 1 is a door socket of limestone. The room was crowded with 27 primary finds from the floor level L160 (L160-1 through L160-27) intermingled with an ashy destruction layer which made the excavations somewhat difficult.<sup>54</sup> Twenty-two earthenware vessels were exposed: one bowl, three kraters, three juglets, one jug and one strainer jug, and 13 jars.

The jars included three decorated types (L160-7, L160-9, L160-15B). Three (L160-10, L160-16, L160-20) contained the remains of (barley?) flour, of which one (L160-10) contained as much as four (!) kilograms (Fig. 316), and one of the kraters (L160-22) contained the dried remains of olive oil and olive pits. The decorated strainer jug with a broken-off basket handle (L160-17; Fig. 305:2 and 307) contained a considerable amount of barley. Finds of basalt include a mortar (L160-24; Figs. 352:1 and 353), a millstone (L160-19), and a spindle whorl of basalt which was probably reused because its shape and production technique are definitely at home in the Early Bronze Age (L160-4). Another find of an uncommon shape is a ribbed spindle whorl of burnt stone (L160-23; Fig. 346:13, 349 and 457:13). A sheet of corroded bronze might belong to the door construction (R1 to R2). A fairly heavy stone cylinder, 0.3 m long and 0.23 m in diameter, shows a centrally placed depression on one side whereas the other side is broken off (Fig. 255, just below and to the right of centre of photograph).

Room 3 (W 646, 642, 645, 648; L234, 241, 253) – together with Room 7 – is unexpectedly drained of any finds of special interest compared to the contents of the other rooms. Room 4 (W608, 648, 645, 607/616/621; L247, 252, 266), in contrast, contained a cooking jug (N1399; Figs. 338:1 and 339 upper right) and a bronze pin (N1367) together with other pottery

<sup>53</sup> Material analyses have not yet been carried out. Our vessels, which are of soft stone that was exposed to high temperature, are either of gypsum-alabaster (calcium sulphate) or alabaster (calcium carbonate). The neutral geological term “alabaster” is used here; cf. CLAMER 2007: 626; see also discussion in SPARKS 2007: 159–160.

<sup>54</sup> The finds L160-25 and 26 (two plain storage jars) and L160-27 (a carinated bowl) are not on the plan because sherds from these vessels were spread over a larger area after the collapse of the roof.





Fig. 255 Room 2, Phase IX, Area 9 East: photograph taken in 2009 during the excavations after removal of the roof debris



Fig. 256 Room 5, Phase IX, Area 9 East with storage jars



Fig. 257 Room 8, north-western corner, Phase IX, Area 9 East: jug, storage jars and cooking pots

and several millstones of porous basalt, and Room 5 (W645, 642, 647, 644; L229, 239, 245, 246, 248) four complete storage jars (N1346–1349; Fig. 256) and two beads of faience (N1341) and carnelian (N1343).

Room 6 (W645, 644, 647, 607/616/621; L 240, 265, 270) was partly looted: only a broken basalt bowl (N1377) and numerous pieces of unfired vessels remained. Of the next pair of rooms, Room 7 (W647, 643, 624, 627; L250, 255, 271, 272, 274, 261, 263, 269) was virtually empty, whereas Room 8 (W647, 627,

624, 607/616/621; L237, 262) was again crowded with finds (Fig. 257): storage jars with lids of unfired/secondarily fired clay, cooking pots of the typical local early Iron Age types with triangular rims, mortars, two spindle whorls (N1340, N1376), a basalt pestle (N1345) and a juglet (N1386; Fig. 292:7 and 294). One of the storage jars from L237 contained a large amount of chickpeas (see Fig. 304, lower half of photograph).



Fig. 258 Room 9, north-western corner, Phase IX, Area 9 East: stand with chalice as lid, another chalice and a cooking pot

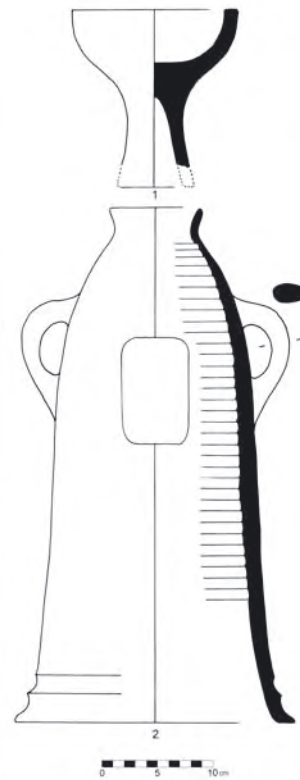


Fig. 259 Room 9, north-western corner, Phase IX, Area 9 East: stand with chalice as lid and another chalice; observe traces of oily liquid on exterior of stand

The next pair of rooms, Rooms 9 (W624, 649, 639, 635; L264, 208, 235, 273, 276) and 10, were also packed with finds, some of which are imports: one is a large globular jug in Room 9. It is of excellent craftsmanship with bichrome decoration on a burnished red background (L208-6; Figs. 321:7 and 452:4). It is a typical import from the Phoenician sphere of culture.

Room 9 also contained an upright stand/incense burner (N1390) with a lid in the shape of a chalice, all of it *in situ* (Figs. 258, 259, 328:1, 329 and 452:7). The stand still shows traces of an oily liquid on the outside. Other finds are a cooking pot (N1358; Fig. 335:1 and 336), a pilgrim flask, a pyxis (N1392) and tools of stone including a mortar and a pestle.



Fig. 260 Room 10, Phase IX, Area 9 East during the excavations

Through the aperture in the south-east of Room 9 the southern Room 10 (W624, 635, 639, 607/6161/621; L213, 219, 259) was entered. This room, too, contained numerous finds, some of which were imported. In the south-western corner of the room were storage jars and other vessels leaning against the walls (N1359, N1360, N1361, N1366; Figs. 260 and 261). Other finds from Room 10 are kraters (N1356, N1357), pilgrim flasks (one is N1350; Figs. 321:5 and 324), a pyxis (N1351; Figs. 325:1 and 326), a rare double-pyxis with connecting basket handle (N1365; Figs. 325:8, 327 and 452:3) and various juglets (one is N1355), lamps, one of which is four-spouted (N1332; Figs. 330:2 and 331) and a variety of tools of stone. Amongst the imports is one from the south-western corner: a large, shallow, white-slipped and burnished bowl standing on three loop handles (N1372; Figs. 280:17, 281 and 452:5), and another is a monochrome-decorated, large jug with a thick white, burnished, slip (N1352; Figs. 297:1, 298 and 452:6). Another vessel is most likely a mobile lamp (N1353; Fig. 344:1): it resembles a stem of a chalice with a vertical handle on the stem.

The next pair of connected rooms, Rooms 11 and 12, also contained a multitude of objects, some of them imported (Room 11 in Figs. 262 and 263). The northern Room 11 (W639, 649, 628, 650; L268, 275) contained seven storage jars (N1400, L275-5-10; two in Fig. 263), four cooking pots (three are in Fig. 262: L275-1, -3 and N1396), a chalice (L275-2) and two



Fig. 261 Room 10, south-western corner, Phase IX, Area 9: storage jars, bowl (N1372), jug and tools of stone

large goblets (N1397; Figs. 292:3, 293 and 456:9; and L275-4 in Fig. 292:4). Room 12 to the south (W639, 650, 619, 616/621; L258, 267) contained, *inter alia*, nine storage jars, jugs, juglets and a lamp (N1371; Fig. 332). A jar with two handles (N1398 in L267) contained 35 “balls” of dried clay of unknown function (Figs. 302:1 and 303, 456:5). Another jar in L267 which lay next to N1398 was filled with millet (either *Panicum Miliaceum* or *Setaria Italica*; see Fig. 304, upper part of photograph).<sup>55</sup> From the same L267

<sup>55</sup> I am much obliged to U. Thanheiser for this information (e-mail 14 June 2011).



Fig. 262 Room 11, Phase IX, Area 9 East during excavations. A = floor of basement, B = walls and roof of basement, C = floor of upper storey, D = walls and roof of upper storey, E = roof cover of clay, twigs and straw



Fig. 263 Room 11, Phase IX, Area 9 East: storage jars during excavations

derive two imported pilgrim flasks (N1384 and L267-3; Figs. 321:1 and 2, 322, 323 and 457:9). Other finds are one scaraboid (N1388 Figs. 341:1, 342, 457:11 and 466:1) and one scarab (N1389 Figs. 341:2, 343, 457:12

and 466:2): The scaraboid is of steatite with the stylized representation of the head of a horse instead of the common representation of the beetle's pronotum and the wings, and with drilled circular decorations on the base. The scarab is of light yellow, medium-hard composition with the possible throne name of Tuthmosis III (see also Appendix 3 for both finds).<sup>56</sup> One of the small vessels is of alabaster in the shape of a pyxis (N1382; Fig. 346:3). There is also a well-preserved, fairly heavy (219.6 g) rectangular object of bronze (Figs. 344:13 and 350).

Room 13, the northern of the next two pairs of rooms (W628, 640, 638, 620; L236, 238), is remarkably well-preserved (Fig. 266): its well-constructed walls are still upright to a height of more than 2 m. The doorway between Room 13 and 14 is shown in Figure 267. Rooms 13 and 14 did not contain the same quantity of finds as the rooms to the west. Nevertheless, a number of stone tools and a complete oven of the *tannur* type in Room 14 (W619, 620, 641, 616/621; L210/244, 249, 254) should be mentioned. The *tannur* lay on its side with the heavy roof structure on top (Figs. 264 and 265).

In 2012 eight more rooms could be exposed in the eastern part of the compound (R15–21A, B). The

<sup>56</sup> With reference to A. Ahrens, German Archaeological Institute, Damascus, who wrote on 26 October 2010: "... a rather mediocre version of "Men-Kheper-Re" (= Tuthmosis III's throne name) ... However, this is not clear beyond doubt,

and one of the signs could also read "user/woser"... Since the hieroglyphs are locally executed, a definite reading is always difficult..."

stratigraphy in this part of the compound allowed us to distinguish between finds from the basement and finds from the upper storey which fell down into the basement area. During the excavations it became clear that Rooms 15 and 17 are built directly on or against the bedrock, which slopes upwards to the east

and north. Therefore the easternmost three rooms to the south (R19–21) are single rooms with no counterparts to the north because of the natural, rising, tell. They are also built partly on top of the Late Bronze Age city wall and partly directly on and against the bedrock.



Fig. 264 Room 14, Phase IX, Area 9 East: roof structure with buried *tannur*



Fig. 265 Room 14, Phase IX, Area 9 East: exposed *tannur* after removal of roof construction



Fig. 266 Room 13, Phase IX, Area 9 East during excavations. Entrance into Room 14 in left upper corner



Fig. 267 Looking from Room 14 through intact doorway into Room 13



Fig. 268 Haematite weight from Room 15

Room 15 (W638, 687, 688, 689; L363, 369, 371, 373, 379) contained a small weight of haematite (N1441; Fig. 268), a pyxis of clay (N1442), a spindle whorl of alabaster (N1443), an almost complete cooking jug (L369-1; Fig. 338:3) and several cooking pots and a pyxis of elongated shape (L369-6; Fig. 325:6).

Room 16 (W641, 689, 691, 621; L352, 356, 359, 364) was connected with Room 15 but the doorway was blocked with stones. Room 16 was partly looted and only its northernmost part was still intact. In this room a small hand-made juglet of unfired or very soft fired clay (N1432; Fig. 272:1) and a tube of polished bone (N1439; Fig. 269 left, 344:8 and 457:14 left), most likely the grip of a spindle,<sup>57</sup> were found. A collapsed *tabun* with a chimney was exposed on the floor of the basement of this room (Fig. 270).

Room 17 (W688, 687, 686, 690; L365, 373, 379) contained pieces of unfired pottery which again point to local pottery production. An open doorway connected this room with Room 18 (in W690; W691, 690, 692, 621; L347, 351, 354, 358). In Room 18 three *tannur* could be exposed. One of them was complete (L354-7) leaning against W692 (Figs. 271, 328:2). It has a handle, which is the first ever found on a *tannur* at Tell Abu al-Kharaz. Other finds of this room include



Fig. 269 Polished bone grips from Room 16 (left) and Room 19 (right)

Fig. 270 *Tabun* with chimney from Room 16

a hand-made juglet of unfired clay (N1429; Fig. 272:2) and two small hand-made bowls of soft-fired clay (N1431, 1436; see Fig. 272:3 and 4), a lamp (L351-1), a spindle whorl of clay (N1434), a complete jug (N1430; Fig. 339, lower part of photograph), a juglet (L351-3), a decorated pyxis of clay (L358-2), another pyxis (N1435) and a bowl (L358-1), the two last-named of

<sup>57</sup> The polished, worn, surface is the obvious result of frequent use. It is suggested that the bone-tube was attached to the spindle in order to facilitate the spinning process when a spindle with a small diameter was used.



Fig. 271 *Tannur* with attached handles from Room 18 (see also drawing in Fig. 328:1)

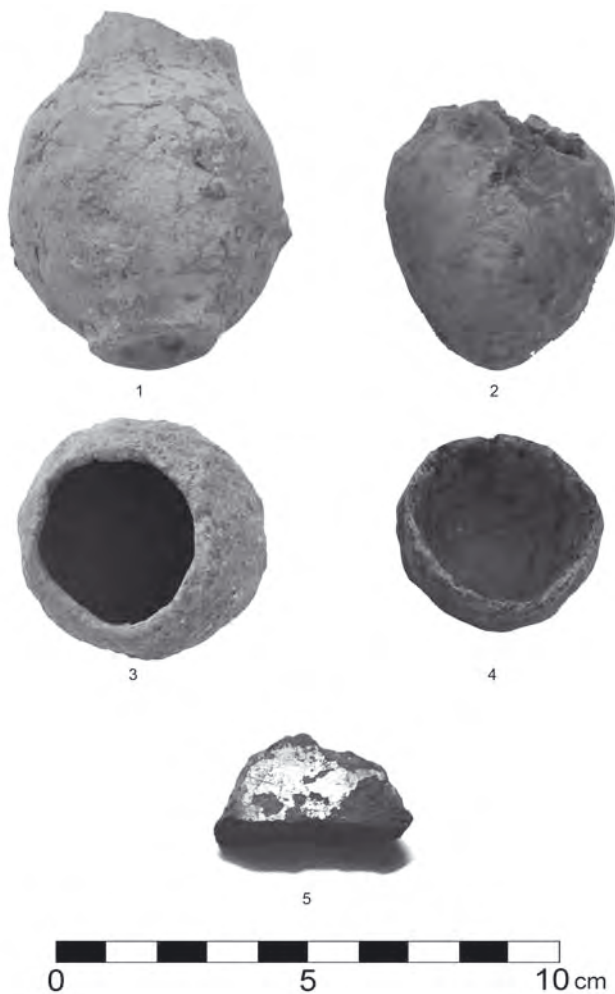


Fig. 272 Hand-made bowls and juglets: 1. N1432 from Room 16; 2. N1429 from Room 18; 3. N1431 from Room 18; and 4. N1436 from Room 18; 5. Hand-made Burnished Ware, closed vessel, hard-fired, dark greyish-brown fabric, fine, dark brown slip, burnished

alabaster with incised decoration (see the pyxis in Figs. 346:4 and 348), and a lid of unfired clay (N1438). There is also the carbonized wooden handle of a sickle (Fig. 273).

Like Room 18, the next room to the east, Room 19 (W692, 693, 684, 621; L376, 377, 396, 398), contained several installations for heating (Fig. 274): a part of a *tabun*, a *tannur* (L377-4) and an intact small heater (L377-5).<sup>58</sup> Other finds are two hand-made bowls (N1446 and L377-7) and a hand-made jug (L377-8), and – for the first time at Tell Abu al-Kharaz – a sherd of Hand-made Burnished Ware (Fig. 272:5); an oval object of unfired clay, maybe a frying pan (L377-6; Fig. 275), two spindle whorls of clay (N1445 and 1451), a spindle whorl of sandstone (N1444) and one of stone (N1452), a polished bone-tube with incised criss-cross decoration, maybe part of the spindle (N1448; Fig. 269 right, 344:7 and 457:14 right), and a donut-shaped basalt tool with a red pigment (N1449; Fig. 276) which was possibly used during the pottery-manufacturing process. Other ceramic finds include a small decorated, Phoenician-imported, pilgrim flask of high quality (N1453; Fig. 321:6), and a jug with red decoration (L377-2; Figs. 297:2, 299 and 456:4). The shape of the latter recalls Late Bronze Age shapes. Several kilograms of barley and wheat seeds were spread on the floor and numerous olive pits were collected in the western part of the room. The barley was possibly stored in an organic container: a wooden structure of

<sup>58</sup> It is unlikely that this object was a *tabun*.

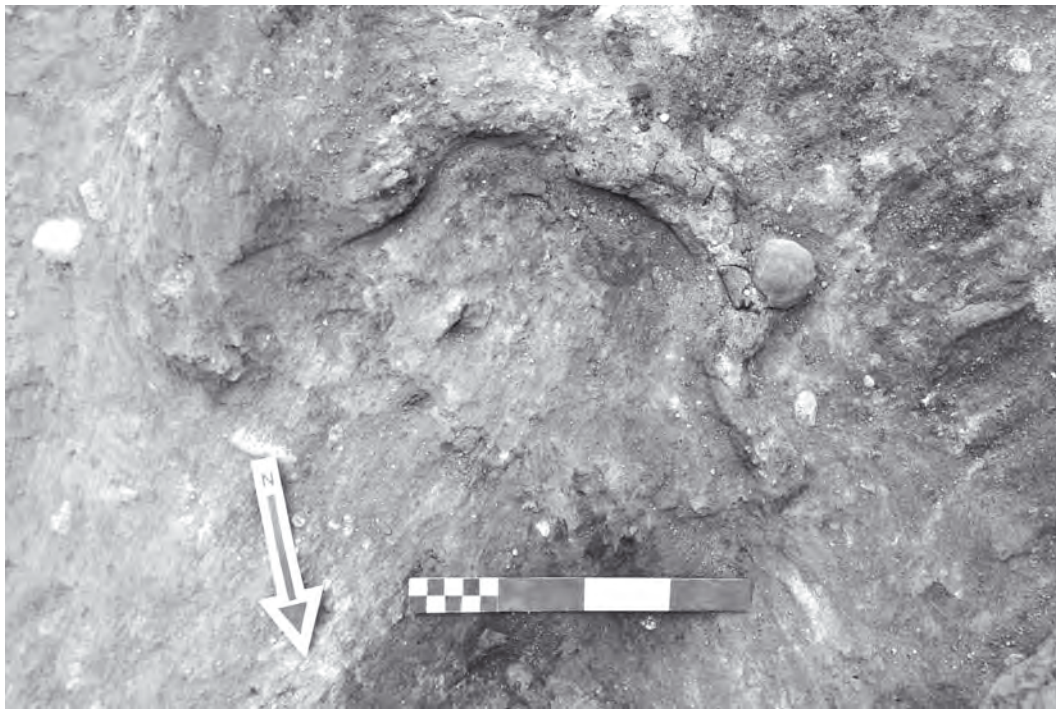


Fig. 273 Wooden handle of sickle from Room 18

indistinct shape was exposed close to the seeds. Another wooden structure was found around the *tannur* (Fig. 274 left): it possibly served as support for a container/heater. The northern part of this room was built directly on the bedrock which slopes to the south. The southern part of the floor of Room 19 was built on

a loose fill which was covered by large sherds and contained a mixture of different seeds, such as lentils, barley and olive pits. A juglet (N1454) was found next to the sherds within the foundation of the floor. Therefore, we conclude that there are two floors present in Room 19.



Fig. 274 Room 19 with heaters and charcoaled wooden structures



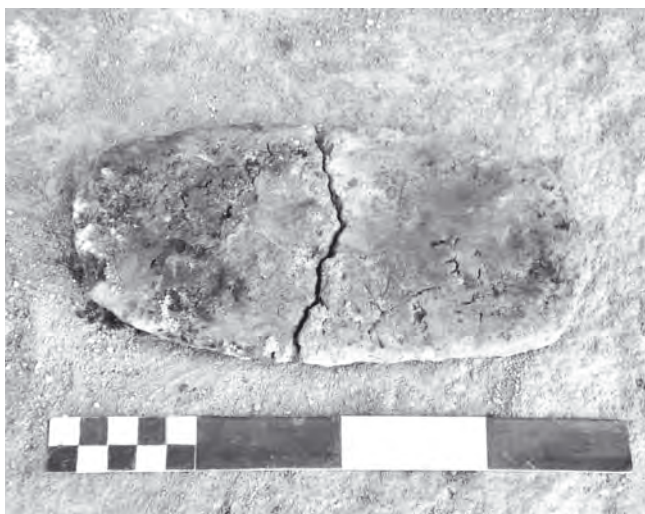


Fig. 275 Frying pan from Room 19 (L377-6)



Fig. 276 Basalt tool with red pigment from Room 19 (N1449)

Room 20 (W684, 699', 697, 621; L385, 391, 397, 400, 402, 390) was disturbed by a large animal hole in the southern part. Finds from this room include a spool-shaped, Aegean-type, loom weight of unfired clay (N1458; Fig. 346:19), a storage jar (L390-1), a lamp (L397-1) and two hand-made bowls of unfired clay (L391-1, L397-2). Bedrock and a section of the Late Bronze Age city wall appeared to the north.

The easternmost space of the compound is different from all the other rooms (Fig. 277): although of the same size as the others it is divided into a northern (R21A; W697, 700, 702, 701; L388, 393, 404, 392, 496, 394, 405) and a southern (R21B; W697, 701, 702, 621; L389, 395, 407) part by W701 with an entrance to the east. As the floor level of Room 21A is some 0.1–0.2 m

higher than that of Room 21B, a threshold made of mudbrick was found in the doorway. There is a structure in Room 21A, namely two 0.8 m deep basins made of unfired clay (Fig. 277 lower part). The walls around them are covered with a fine layer of clay plaster. Remains of barley/wheat seeds show that at least the western basin was used for the storage of grain. Two metal finds were recovered in Room 21A: a toggle pin of bronze and a bead of pierced lead (N1450; Fig. 344:11) resembling a sling bullet. Room 21B was obviously used as a store room. It contained two intact vessels: a cooking jug (N1457; Fig. 278 upper right corner, 338:4, 339 upper left and 457:10) and a jar (N1456; Fig. 278 left corner). Other finds are seven plain storage jars, two small jars, a jug with red decoration on the shoulder resembling a script (L395-5; Fig. 308:6), a jug with a trefoil mouth (L395-4), a small krater and two bowls (L395-1, 3). Of special interest is a large biconical krater (Fig. 320:3) depicting palm trees, a bird and geometric elements in the metope style (L395-2). This is one more early Iron Age product that recalls Late Bronze Age archetypes. Another exceptional find is the part of a small bronze wheel which originally had eight spokes: it is identical with wheels from Philistine and Aegean sites (Figs. 344:12 and 345; see interpretation and discussion below). Other finds from this room include a basalt mortar, again with traces of red pigment (N1455), a ring-shaped weight (N1460) and a small pendant of stone (N1459). Numerous carbonized chickpeas were found in one of the ceramic containers.

The eastern wall at the end of the compound, W702, is with its 1.0 m width remarkably wider than all the other walls belonging to the compound. Its width corresponds exactly to that of the Iron Age city wall, W621. A test trench was opened east of the compound and it became clear that the city wall, i.e. the southern wall of the cell-plan structure, does not continue east of W702. A preliminary theory is that this opening in the city wall was one of the early Iron Age city gates. The position of the suggested gate is on a more moderate slope of the tell facing the Wadi al-Yabis. It would make sense to assume that the main street leading from Wadi al-Yabis to the fortified city centre was here.

### Interpretation of the material evidence

The architectural layout of the 22 walled spaces hitherto exposed (state 2012) gives a strong impression of centrally supervised town planning because of the standardized size of the rooms and entrances. Each pair of rooms was connected via an entrance but there

are no apertures between the pair of rooms or to the exterior of the compound – except for Room 1 which has a second entrance in the western wall of the compound. Consequently, one has to ask how these rooms were entered. There is only one possible explanation, namely that these 22 rooms represent the basement of a multi-storey building (Figs. 250, 251; and reconstruction in Figs. 279 and 452: 2). Each pair of rooms

(R1–18) could be entered individually via a ladder from the floor level above because of the absence of a connecting opening between the pair of rooms. The same is valid for the single rooms (R19–21). This would also explain the unusually high walls on a stone foundation, which are preserved to a height of more than 2 m. This height would allow in principle any person to move freely around in the basement.



Fig. 277 Room 21A with silos in foreground

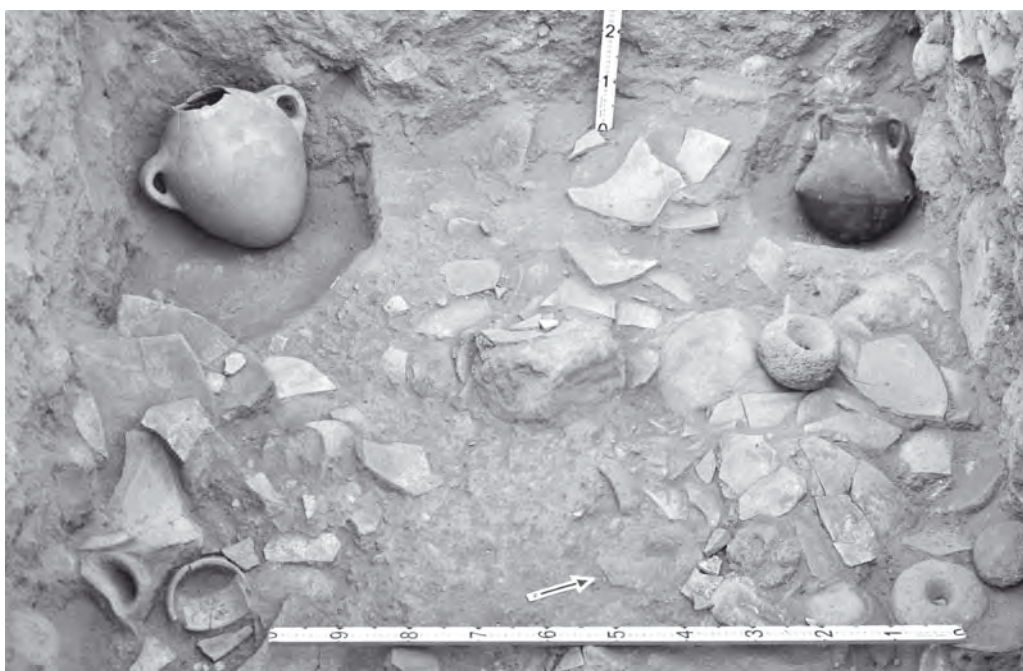


Fig. 278 Room 21B with complete jar and cooking jug and crushed vessels

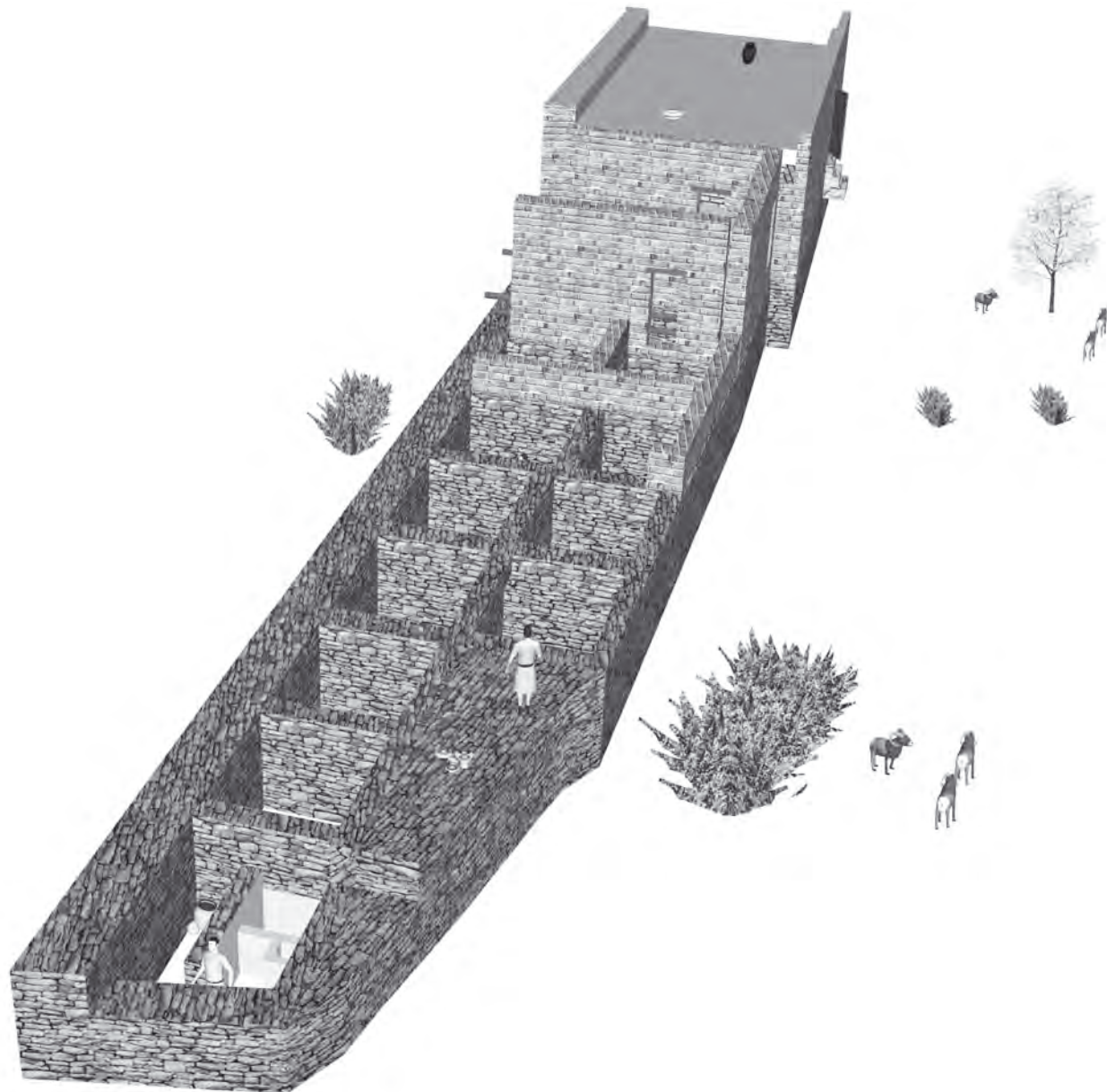


Fig. 279 Reconstruction of the cell-plan compound from Phase IX seen from the north

The “roof” debris which we found everywhere covering almost all of the floor spaces is best preserved in the eastern part of the exposed area and in particular in Room 14 (see the *tannur* embedded in the roof in Fig. 264), and in Room 11. It is approximately 35 cm thick and consists of branches and plaited twigs embedded in clay. The smoothed surface facing the interior of the basement is blackened by soot in many places (see e.g. Fig. 252). However, according to the interpretation presented above, the roof of the basement corresponds to the floor of the upper storey and the upper storey was entirely built of sundried mudbrick. It is evident that the settlers of the next phase (Phase X) merely levelled the mudbrick debris and

built their houses on top of it and refrained from digging up building material from their predecessors.

There is no doubt that the entire phase suffered from a severe conflagration as the result of an enemy’s attack, an earthquake, or other human or natural causes. Everywhere there are ash and carbonized wooden structures in considerable amounts (see e.g. Figs. 254 and 273). The destruction by an enemy – which is the most likely cause according to our interpretation which is based on a number of observations – would suggest that the assailant was more interested in human resources, viz. slaves, than in looting the city: there is not a single human skeleton or any definite proof of looting. Of course, one cannot rule out

the scenario that the assailant conquered the city without destroying the compound, took slaves, looted selectively, i.e. left heavy booty and concentrated on taking precious objects or items of metal which are relatively rare finds in our excavations, and then destroyed the city. The earthquake theory is not very probable because one has to ask why the inhabitants did not search for their possessions after the catastrophe: their exact position must have been known to them. The walls which are preserved to a height of more than 2m can also be taken as an argument against the earthquake theory. It is not unlikely that the next settlers were new people who were not aware of the multitude of useable finds below the destruction debris and because of the overall architectural plan, which is somewhat different from that of the older settlement, although some of the older stone walls were reused. It is not impossible to assume that a short time passed between the destruction of Phase IX and the erection of the new buildings of Phase X, considering the stratigraphical situation.

The finds from this multi-storey compound reflect activities associated with daily life. There are rooms for storage of liquids and foodstuffs, for instance Room 2, which was used exclusively for that purpose because there was hardly any additional space left for moving around or working. Others were used as working facilities in addition to storage space (see Room 8 as an example of a multi-purpose facility). Working tools of stone and textile-production-related tools such as spindle whorls, grasps for spindles, loom weights and shuttles suggest certain activities which were carried out in the basement. All these findings point to storage facilities which also were used for these activities and which were accessed from the storey above by a ladder.

The necessity of a light source in the basement is obvious but lamps were only sporadically found (e.g. in Room 10). This does not exclude the possibility that mobile lamps were used whenever a room was entered (see e.g. the mobile lamp with handle in Fig. 344:1 from Room 10). One should also consider the option of small openings in the outer walls to allow light to enter the room. The openings in the southern wall, for instance, which also served as a city wall, were probably not large enough for humans to pass through but sufficient to light up the basement. Nevertheless, the openings in the roofs which led up to the upper storey certainly also provided light, assuming that the upper spaces were illuminated.

It is, however, difficult to imagine that people actually slept in this basement. At the same time many luxurious items derive from it: scarabs, the alabaster

vessels, ceramic (double-)pyxides, bowls, juglets, jugs and excellently decorated pilgrim flasks. Some of these items have certainly fallen from the storey above the basement when the latter's roof collapsed. There are numerous imports from the Aegean/Cypriote/Philistine, Phoenician, and Egyptian cultural spheres (see Chapter 5 "Conclusions"). Examples are pilgrim flasks which have counterparts in Philistine and Phoenician sites, Aegean- and Egyptian-type vessels of earthenware and alabaster, Aegean-type spool-shaped loom weights, and a bronze wheel with parallels, for instance, from Philistine Tel Miqne-Ekron and the Aegean (see Chapter 5 "Conclusions"). The presence of Hand-made Burnished Ware is now attested at Tell Abu al-Kharaz Phase IX: it may have arrived at Tell Abu al-Kharaz with groups of Sea Peoples originating from the Greek mainland or even further north.

In conclusion: the people of this phase of occupation were quite wealthy and had far-reaching contacts with other cultures as their predecessors had in the Late Bronze Age. Imports from Cyprus are attested throughout the Late Bronze Age at Tell Abu al-Kharaz, for instance, through finds of White Slip II (see e.g. FISCHER 2006a: 282, fig. 300). It is interesting to notice that residual sherds of White Slip II appear in the fill of the floors of Phase IX and X contexts (Fig. 355).

#### Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
280:1	267 N1387	Bowl, medium-hard-fired, light yellowish-brown fabric, medium-coarse, mainly black inclusions, light brownish-red slip, ancient mending of crack with light grey substance.
280:2	377 -7	Bowl, hand-made, medium-hard-fired, orangish-brown fabric, coarse, multicoloured inclusions, light yellow to orange slip.
280:3	237 -3	Bowl, hard-fired, light orange fabric, medium-fine, self slip.
280:4	395 -3	Hemispherical bowl, medium-hard-fired, greyish-brown fabric, medium-coarse, multicoloured inclusions, dark brown wash.
280:5	385 -2	Bowl, hard-fired, light brownish-orange fabric, medium-fine, mainly grey and white inclusions, light yellow slip interior, light orange slip exterior, red decoration on rim.
280:6	395 -1	Bowl, very hard-fired, light greyish-brown fabric, medium-coarse, white and grey inclusions, light yellow slip, red decoration on rim.

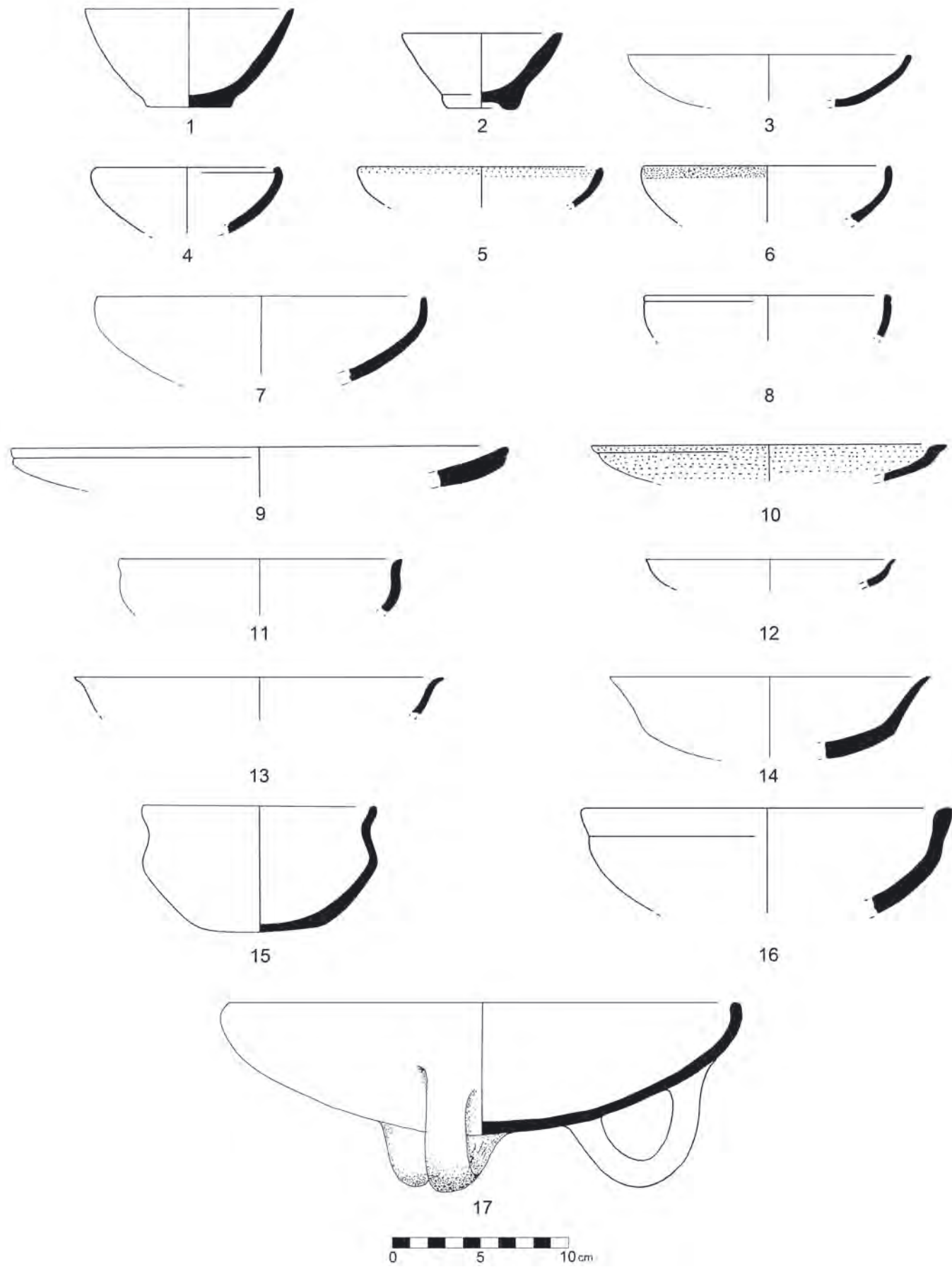


Fig. 280 Pottery from Phase IX, Area 9 East

280:7	219	-7	Bowl, very hard-fired, dark grey fabric, medium-fine, greyish-brown slip, wheel-burnished.	280:10	241	-2	Carinated bowl, hard-fired, light brownish-grey fabric, grey core, medium-fine, light red slip, wheel-burnished, dark red decoration on rim and interior.
280:8	385	-4	Bowl, hard-fired, light red fabric, medium-fine, white inclusions, orange to red slip.	280:11	252	-6	Carinated bowl, hard-fired, light yellowish-white fabric, light grey core, medium-fine, light yellowish-white slip, burnished on interior and exterior.
280:9	241	-3	Bowl, very hard-fired, yellowish-grey fabric, medium-fine, self-slip.				



Fig. 281 Bowl N1372 from Room 10, Phase IX, Area 9 East



Fig. 282 Pottery from Phase IX, Area 9 East

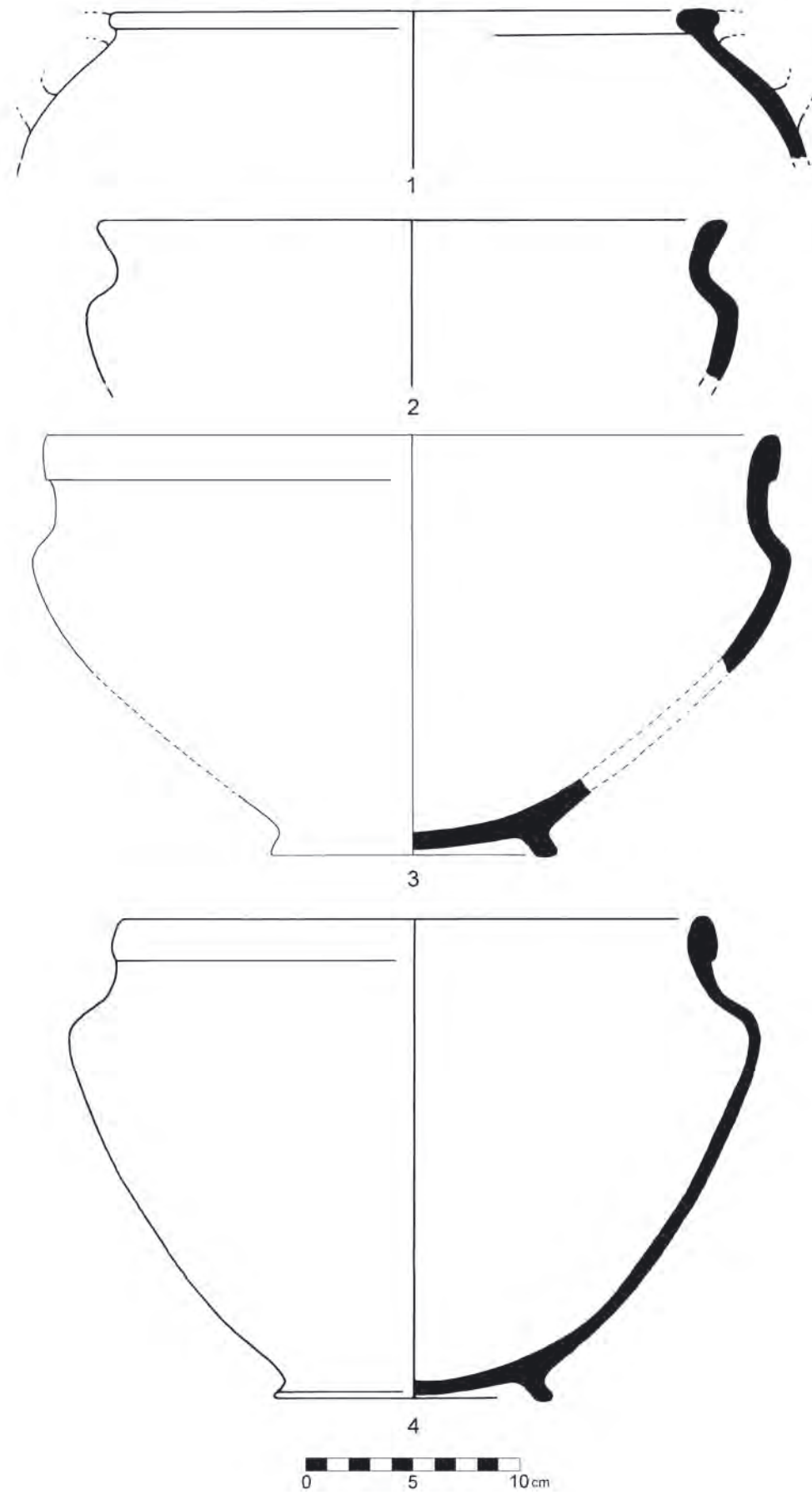


Fig. 283 Pottery from Phase IX, Area 9 East

280:12	244	-2	Carinated bowl, medium-hard-fired, light yellow fabric, fine, red slip, wheel-burnished.
280:13	252	-1	Bowl, hard-fired, light brown fabric, grey core, medium-fine, yellowish-grey slip, burnished.
280:14	219	-10	Carinated bowl, medium-hard-fired, light red fabric, light brown core, coarse, multicoloured inclusions, light yellowish-red slip.
280:15	160	-27	Carinated bowl, hard-fired, light orange fabric, medium-fine, mainly grey inclusions, self slip.
280:16	354	-4	Carinated bowl, hard-fired, light greyish-orange fabric, medium-coarse, multicoloured inclusions, light orange slip.
280:17	219	N1372	Bowl with inverted rim, hard-fired, brownish-red fabric, medium-fine, grey inclusions, (greenish-)white slip, burnished, slip on interior almost completely worn, three loop handle stands (see Fig. 281).



Fig. 284 Krater N1396 from Room 11, Phase IX, Area 9 East

## Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus	No.	Description
282:1	273	-4	Chalice, medium-hard-fired, light brown fabric, coarse, multicoloured inclusions, light brown slip, red paint.
282:2	275	-2	Chalice, medium-hard-fired, light brown fabric, coarse, multicoloured inclusions, yellowish-brown slip, red paint.

## Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus	No.	Description
283:1	234	-1	Krater, hard-fired, yellowish-grey fabric, medium-coarse, mainly grey inclusions, orange slip, light red paint on rim.
283:2	244	-5	Krater, medium-hard-fired, light reddish-brown fabric, thick light grey core, coarse, multicoloured inclusions, yellowish-white slip.
283:3	275	-1	Krater, medium-hard-fired, reddish-brown fabric, yellowish-brown core, coarse, multicoloured inclusions, self slip.
283:4	275	N1396	Krater, medium-hard-fired, yellowish-red fabric, yellowish-grey core, coarse, multicoloured inclusions, red slip (see Fig. 284).

## Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus	No.	Description
285:1	219	N1357	Krater, very hard-fired, light pinkish-yellow fabric, medium-fine, light yellow slip.

285:2	229	-1	Krater, hard-fired, light grey fabric, grey core, medium-coarse, dark grey inclusions, orange slip, red paint.
285:3	229	-6	Krater, hard-fired, light brown fabric, grey core, self slip.
285:4	208	-2	Krater, medium-hard-fired, light red fabric, yellow core, coarse, mainly grey inclusions, self slip.

## Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus	No.	Description
286:1	252	-4	Krater, medium-hard-fired, light brownish-red fabric, light greyish-red core, medium coarse, multicoloured inclusions, light reddish-yellow slip.
286:2	249	-5	Krater, medium-hard-fired, light red fabric, thick grey core, coarse, multicoloured inclusions, yellowish-orange slip.
286:3	237	-2	Krater, medium-hard-fired, yellowish-grey fabric, medium-coarse, mainly grey inclusions, self slip.
286:4	229	-3	Krater, hard-fired, light orange fabric, dark grey core, medium-coarse, mainly grey inclusions, orange slip.
286:5	208	-1	Krater, medium-hard-fired, sandy-yellow fabric, coarse, black and white inclusions, light orange slip.

## Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus	No.	Description
287:1	273	-2	Krater, hard-fired, light brown fabric, light grey core, coarse, multicoloured inclusions, light yellow slip.



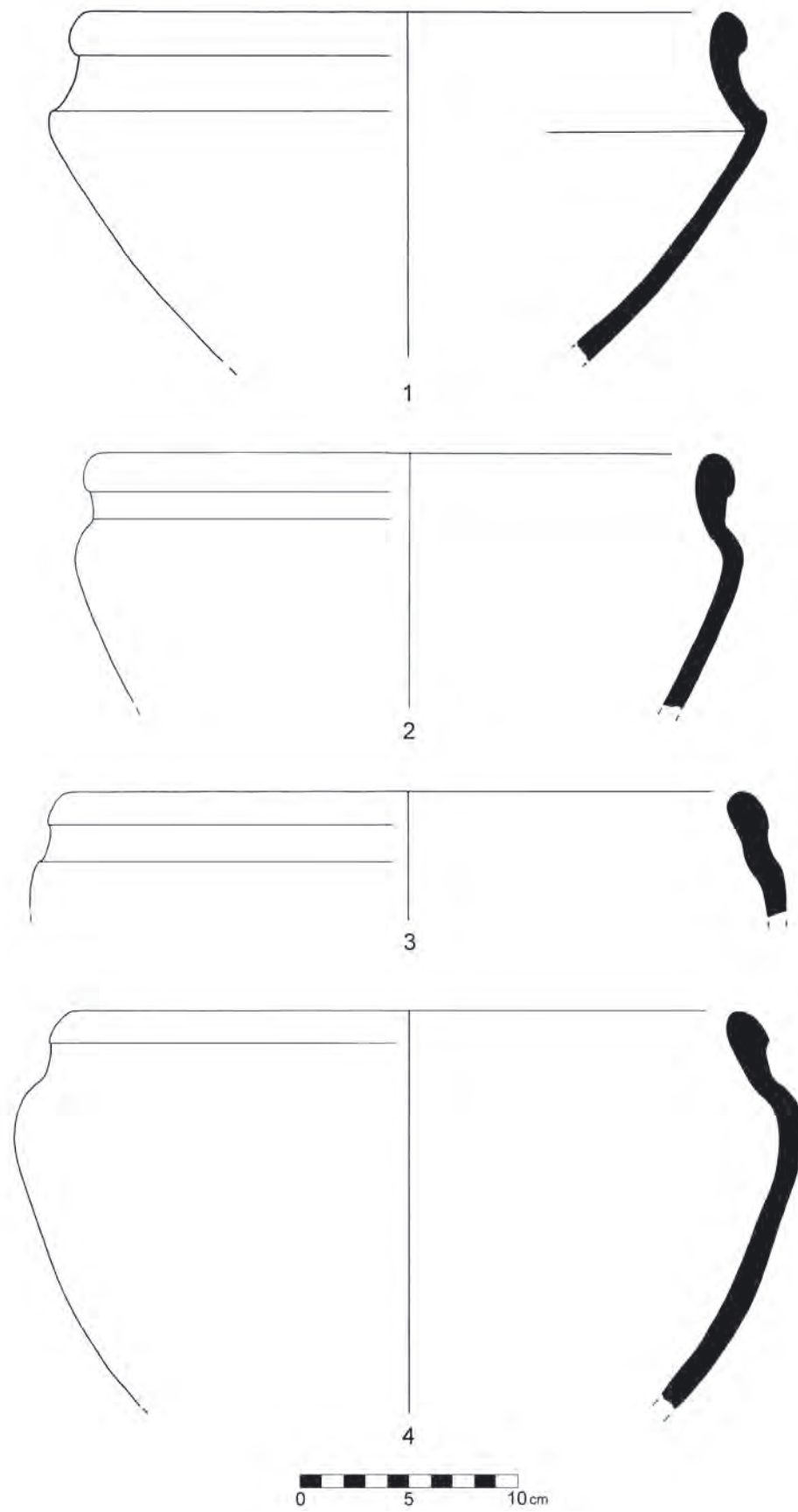


Fig. 285 Pottery from Phase IX, Area 9 East

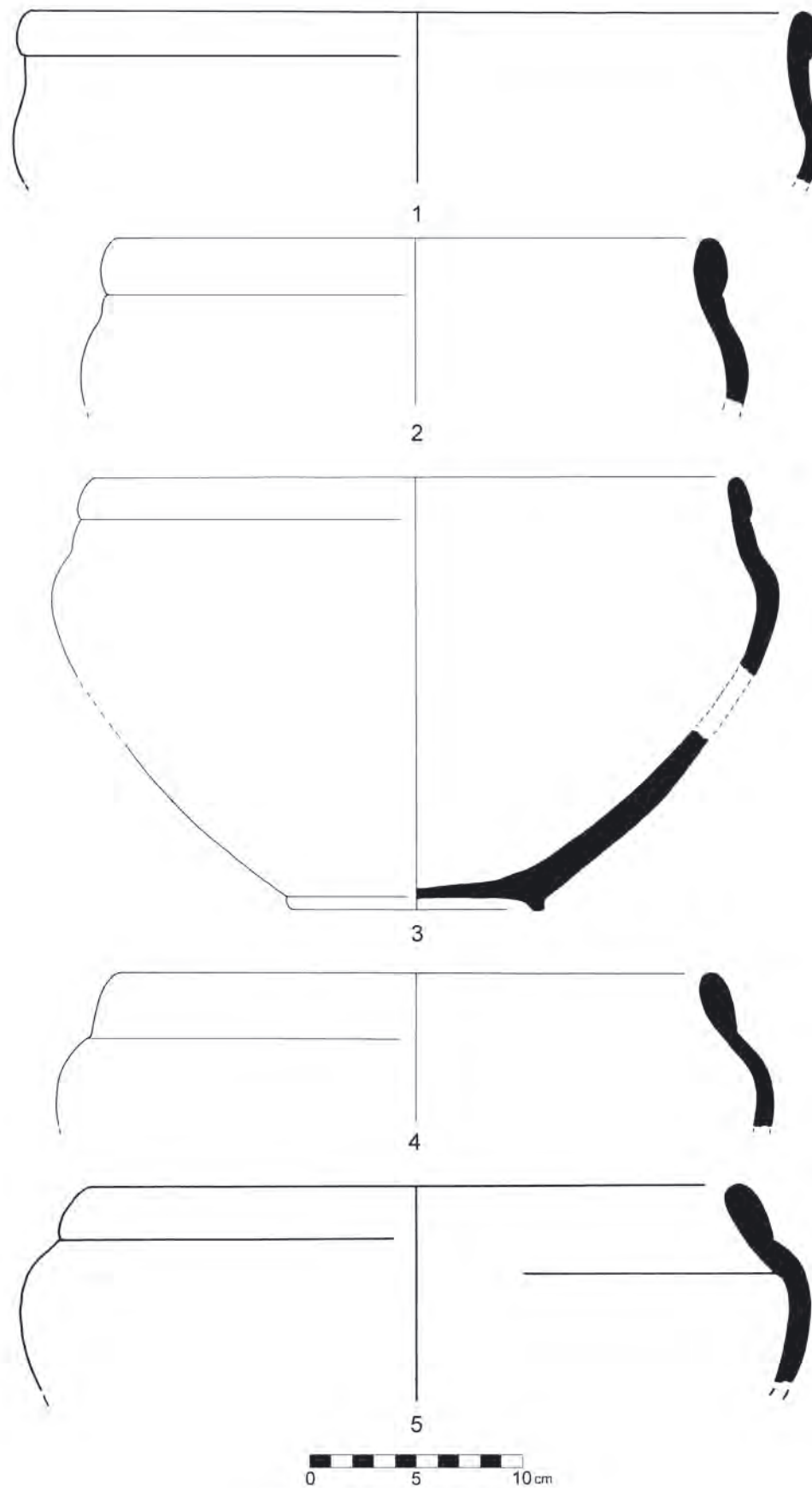


Fig. 286 Pottery from Phase IX, Area 9 East

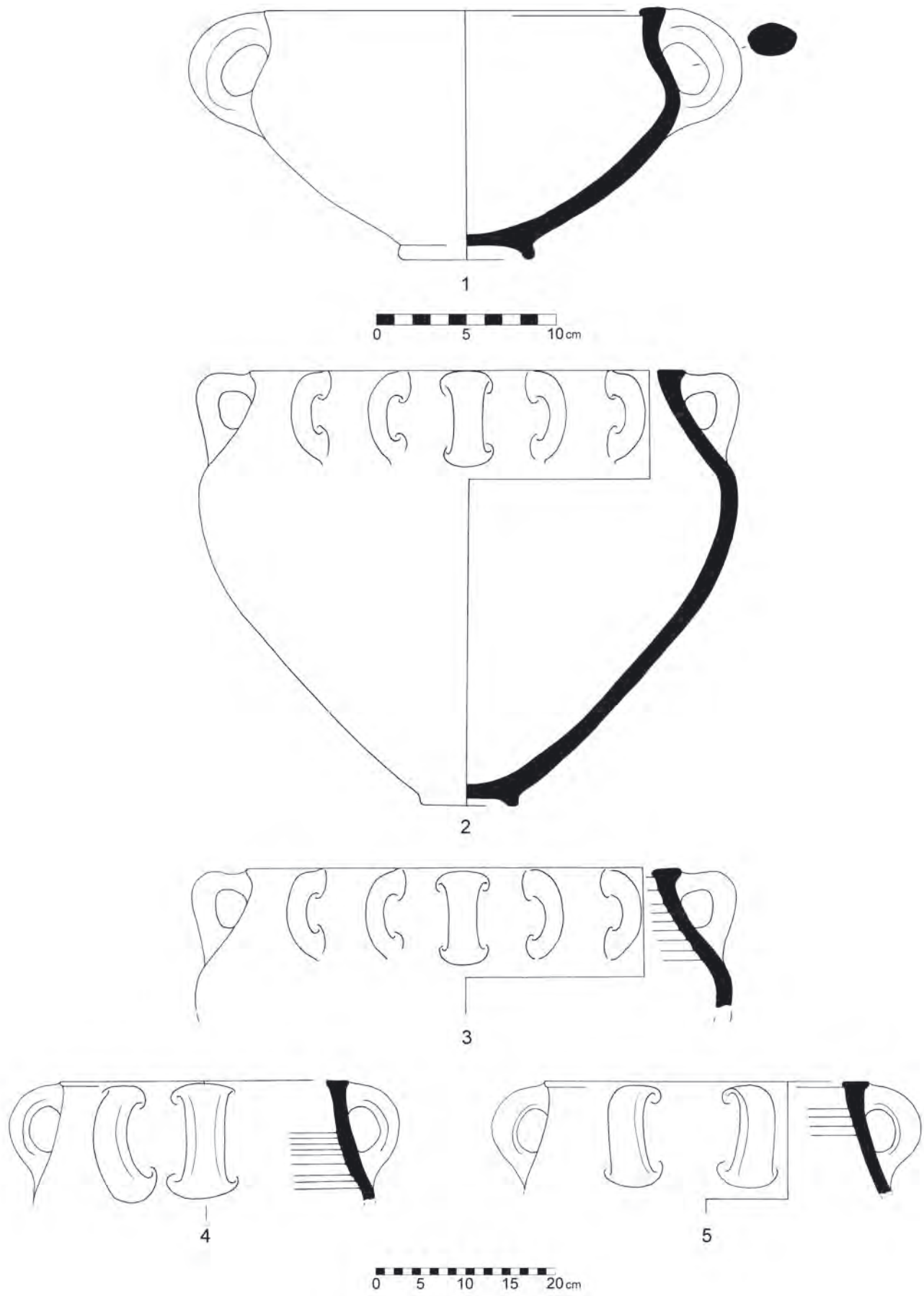


Fig. 287 Pottery from Phase IX, Area 9 East

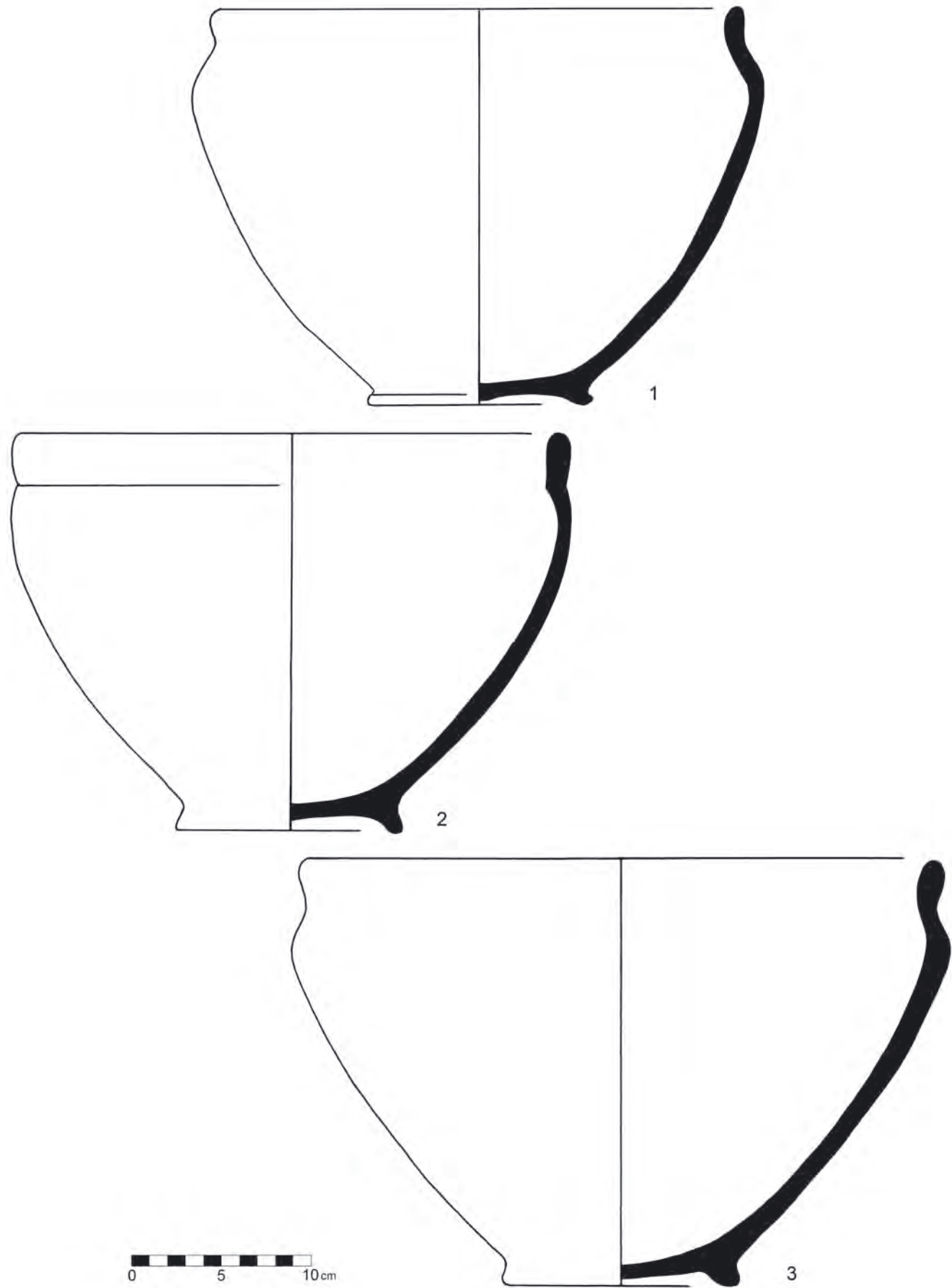


Fig. 288 Pottery from Phase IX, Area 9 East



Fig. 289 Kraters L160-3, L160-22 and L160-15A from Room 2, Phase IX, Area 9 East

287:2	219	N1356	Krater, hard-fired, greyish-brown fabric, coarse, multicoloured inclusions, pinkish-yellow slip.
287:3	264	-2	Krater, hard-fired, light greyish-brown fabric, coarse, multicoloured inclusions, light brownish-yellow slip.
287:4	219	-3	Krater, hard-fired, greyish-brown fabric, medium-coarse, multicoloured inclusions, light yellow slip.
287:5	219	-1	Krater, hard-fired, light greyish-brown fabric, coarse, multicoloured inclusions, light yellowish-brown slip.

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
288:1	160 -22	Krater, hard-fired, light yellow fabric, medium-coarse, multicoloured inclusions, light orange slip (see Figs. 289 middle and 457:2).

288:2	160 -3	Krater, hard-fired, light yellow fabric, medium-coarse, multicoloured inclusions, light orange slip (see Figs. 289 left and 457:1).
288:3	160 -15A	Krater, hard-fired, light orange fabric, medium-coarse, mainly white inclusions, self slip (see Figs. 289 right and 457:3).

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
290:1	356 -2	Krater, hard-fired, yellowish-grey fabric, coarse, large grey inclusions, self slip, light orange wash.
290:2	351 -3	Juglet, medium-hard-fired, light yellowish-grey fabric, medium-coarse, multicoloured inclusions, orange slip, light yellow wash.



Fig. 291 Juglets L160-1, L160-21 and L160-2 from Room 2, Phase IX, Area 9 East

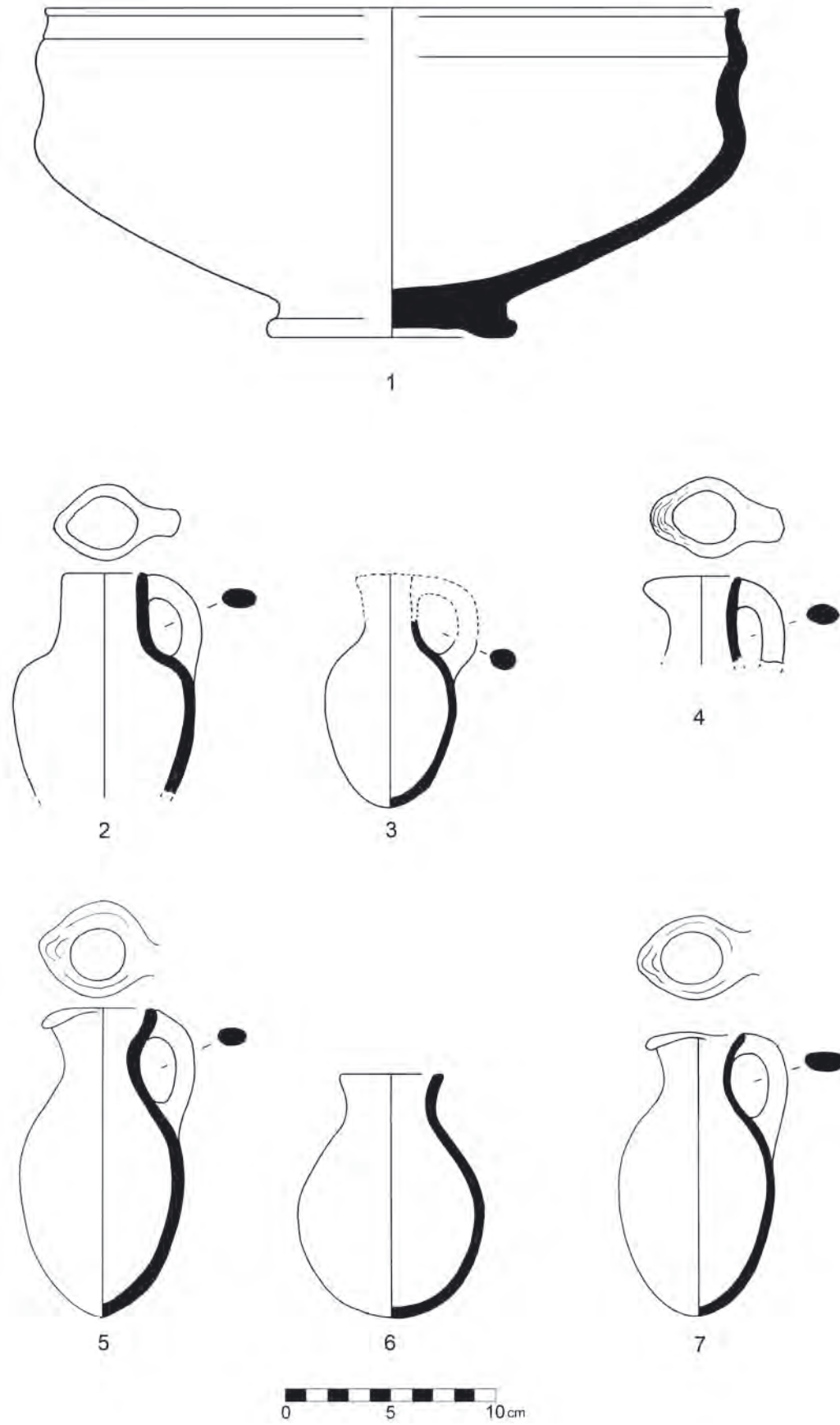


Fig. 290 Pottery from Phase IX, Area 9 East

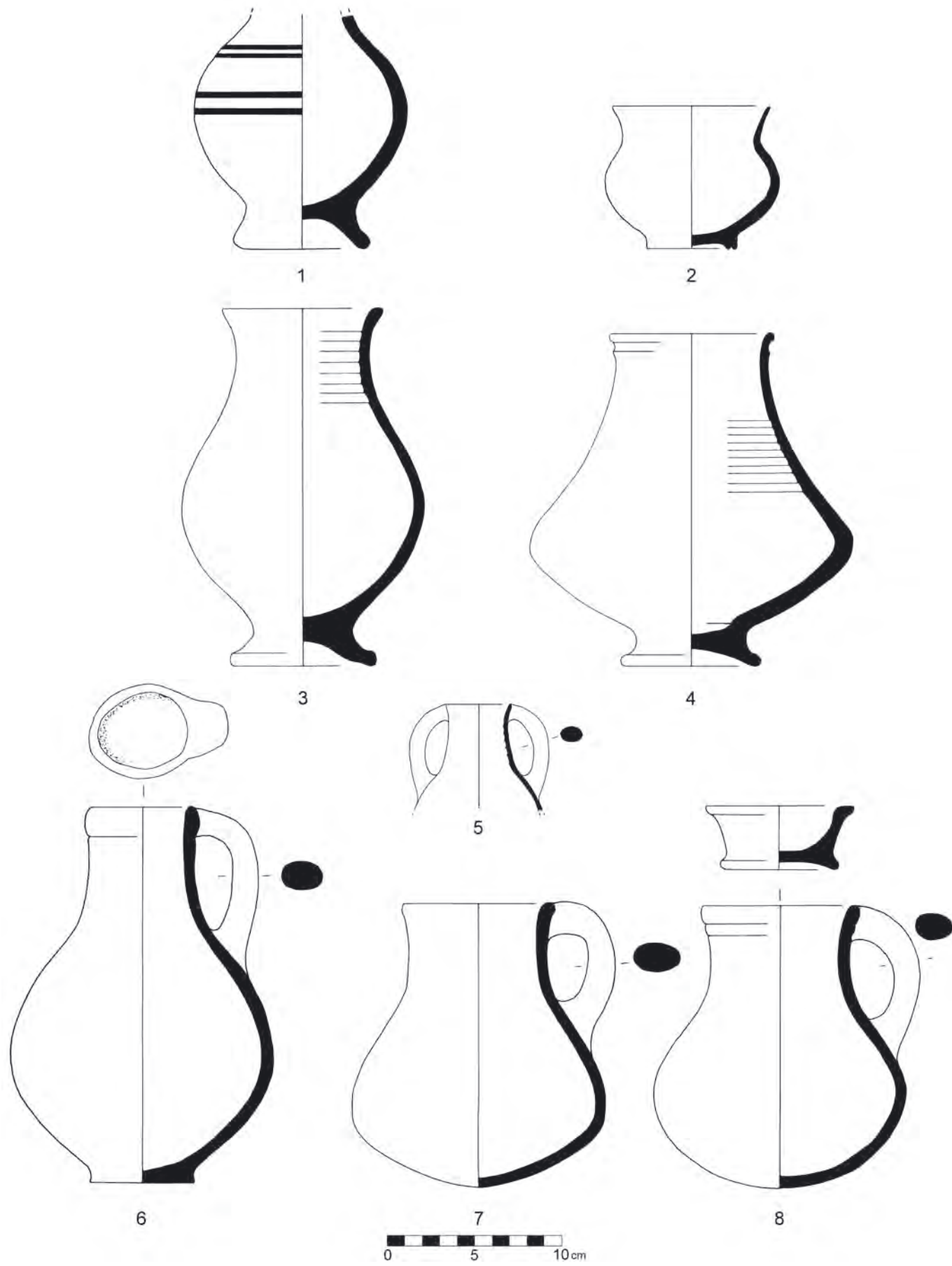


Fig. 292 Pottery from Phase IX, Area 9 East



Fig. 293 Juglet/goblet N1397 from Room 11, Phase IX, Area 9 East



Fig. 294 Juglet N1386 from Room 8, Phase IX, Area 9 East

- |       |     |       |   |
|-------|-----|-------|---|
| 290:3 | 377 | N1454 | Juglet, hard-fired, yellowish-brown fabric, coarse, mainly grey inclusions, light yellow to orange slip.                            |
| 290:4 | 377 | -3    | Juglet, medium-hard-fired, light orangish-brown fabric, medium-coarse, mainly white inclusions, light yellow slip.                  |
| 290:5 | 160 | -21   | Juglet, hard-fired, light orangish-brown fabric, medium-fine, self slip (see Figs. 291 middle and 456:7).                           |
| 290:6 | 160 | -2    | Juglet, hard-fired, light greyish-brown fabric, medium-coarse, multicoloured inclusions, self slip (see Figs. 291 right and 456:8). |
| 290:7 | 160 | -1    | Juglet, hard-fired, light orange fabric, coarse, multicoloured inclusions, self slip (see Figs. 291 left and 456:6).                |



Fig. 295 Juglet N1379/1 *in situ* in Room 12, Phase IX, Area 9 East



Fig. 296 Juglet N1379/1 from Room 12, Phase IX, Area 9 East



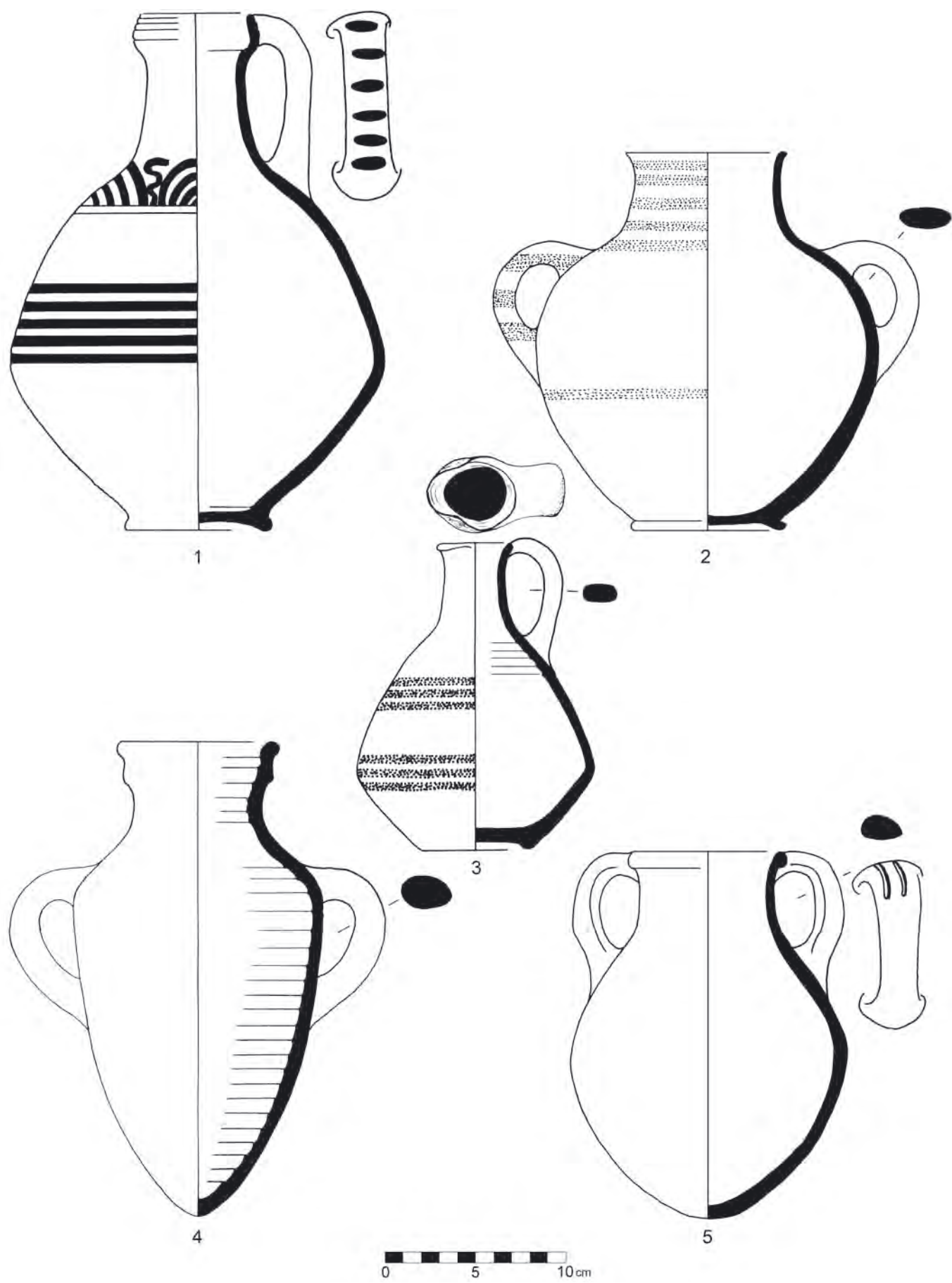


Fig. 297 Pottery from Phase IX, Area 9 East

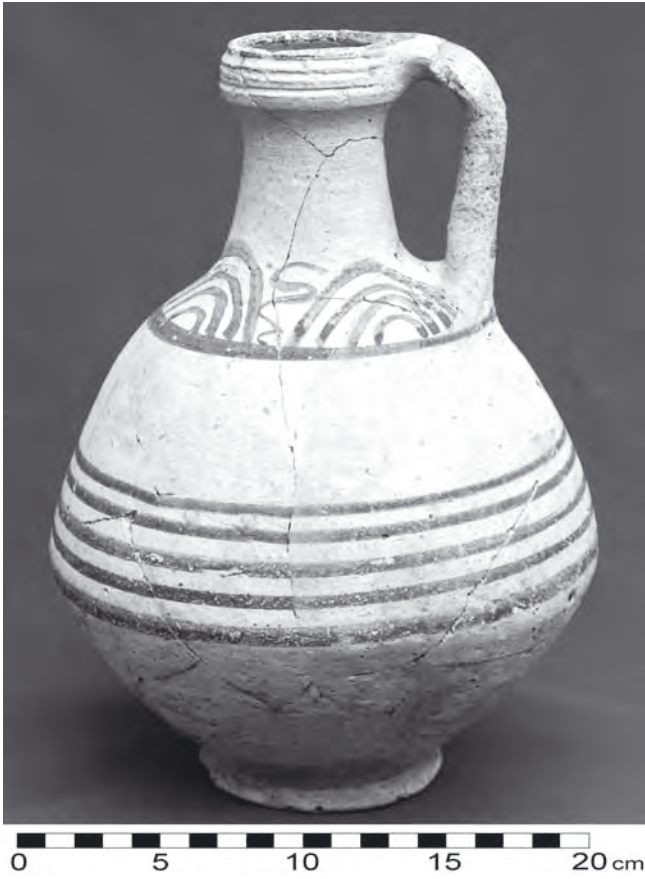


Fig. 298 Jug N1352 from Room 10, Phase IX, Area 9 East



Fig. 300 Juglet N1380 from Room 12, Phase IX, Area 9 East



Fig. 299 Jug L377-2 from Room 19, Phase IX, Area 9 East

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
292:1	219 -6	Juglet/goblet, medium-hard-fired, light greyish-brown fabric, coarse, mainly white inclusions, light brown slip, brown decoration.
292:2	267 N1383	Juglet/goblet, hard-fired, light brown fabric, thick grey core, medium-fine, light brownish-yellow slip.
292:3	275 N1397	Juglet/goblet, hard-fired, yellowish-red fabric, thick light-yellow core, medium-coarse, mainly grey inclusions, red slip (see Figs. 293 and 456:9).
292:4	275 -4	Juglet/goblet, hard-fired, yellowish-grey fabric exterior, grey fabric interior, medium-coarse, reddish-brown slip.
292:5	219 -8	Juglet, very hard-fired, brownish-red fabric, medium-fine, dark red slip, hand-burnished.
292:6	219 N1373	Jug, medium-hard-fired, greyish-brown fabric, medium-coarse, mainly black inclusions, yellowish-white slip.
292:7	237 N1386	Juglet, medium-hard-fired, light brown/pinkish-orange fabric, self slip, red line decoration on belly (see Fig. 294).

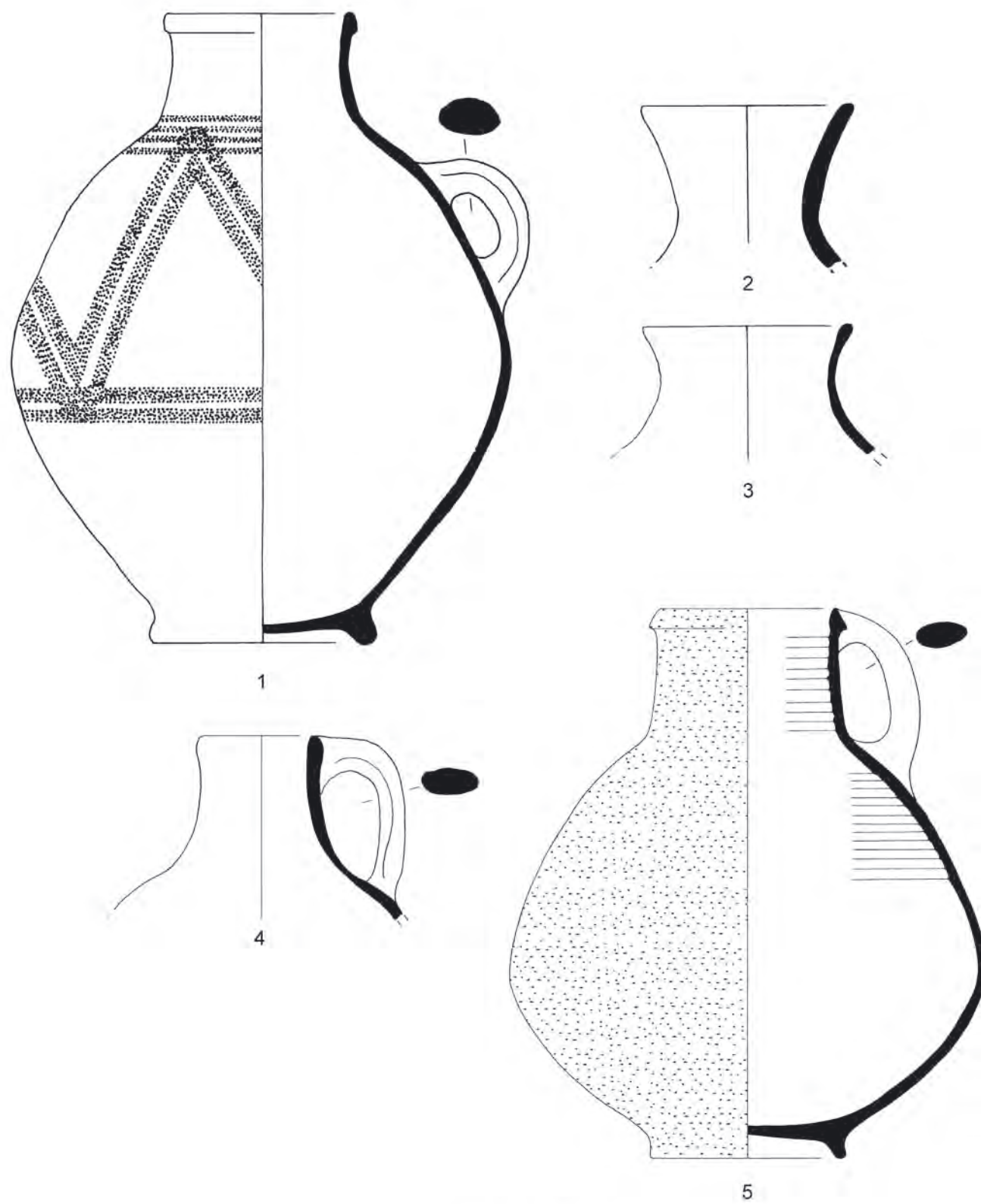


Fig. 301 Pottery from Phase IX, Area 9 East

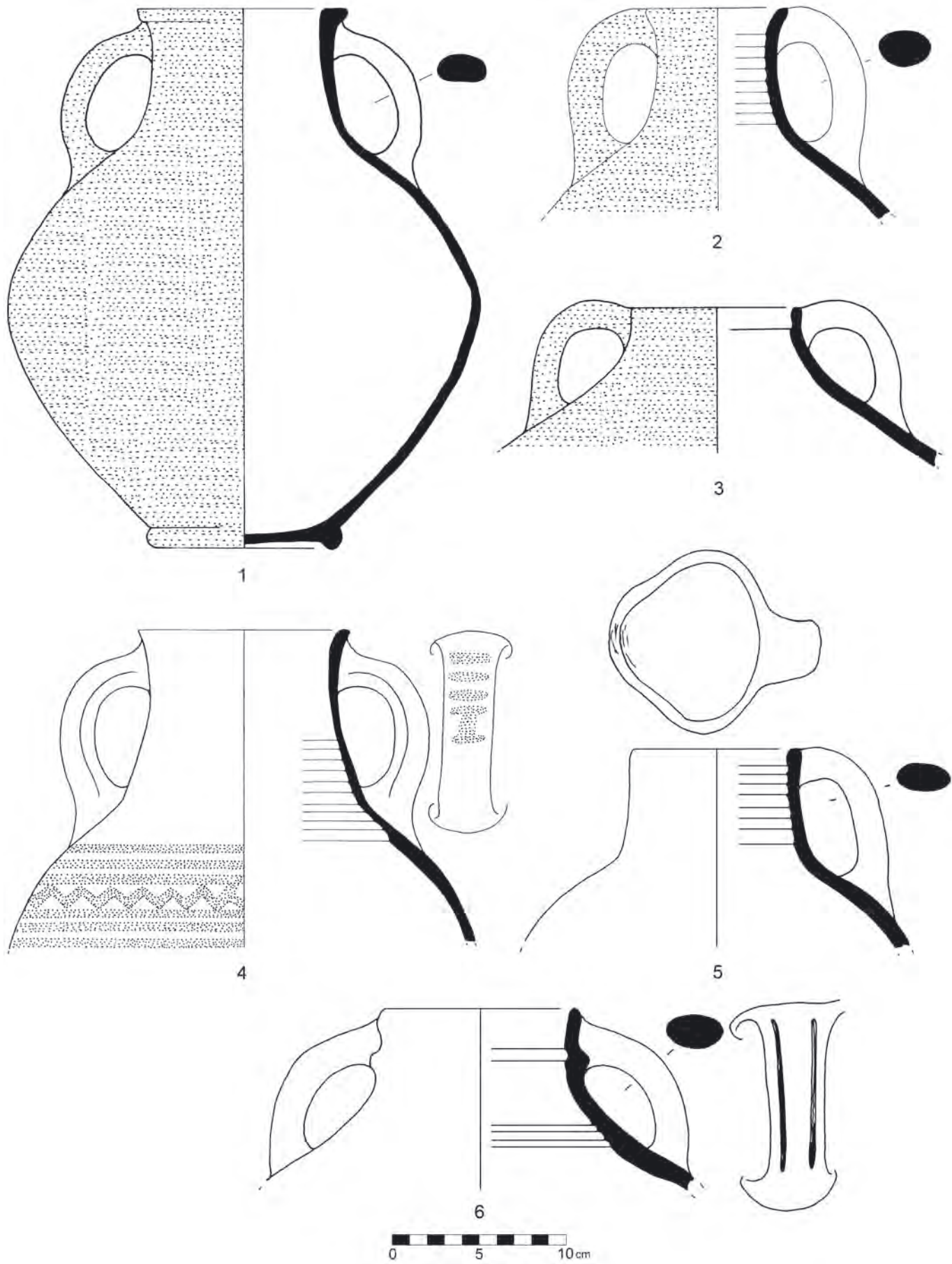


Fig. 302 Pottery from Phase IX, Area 9 East



Fig. 303 Jug N1398 from Room 12, Phase IX, Area 9 East



Fig. 304 Millet from Room 12 (L267 around jug N1398; upper part of photograph); and chickpeas from Room 8 (L237; lower part of photograph)

292:8 267 N1379/1 Juglet, medium-hard-fired, yellow fabric, medium-coarse, multicoloured inclusions, light pinkish-brown slip, incised circles on neck (Figs 295, 296 and 456:3); contents: two lithics, lid in the shape of reused base (N1379/2).

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
297:1	219 N1352	Jug, hard-fired, yellowish-brown fabric, medium-coarse, mainly white inclusions, yellowish-white slip, slightly burnished, reddish-brown decoration (see Fig. 298).
297:2	377 -2	Jug, hard-fired, light yellowish-brown fabric, medium-coarse, mainly red, white and grey inclusions, light yellowish-grey slip, reddish-brown decoration (see Figs. 299 and 456:4).
297:3	267 N1380	Juglet, medium-hard-fired, light brown fabric, coarse, mainly white inclusions, light reddish-yellow slip, brown decoration (see also Fig. 300).
297:4	219 N1355	Jug, medium-hard-fired, light yellowish-brown fabric, coarse, mainly black inclusions, orange slip.
297:5	351 N1430	Jug, hard-fired, light orange fabric, medium-fine, multicoloured inclusions, brownish-orange slip, marks on one handle (see Fig. 339, lower part).

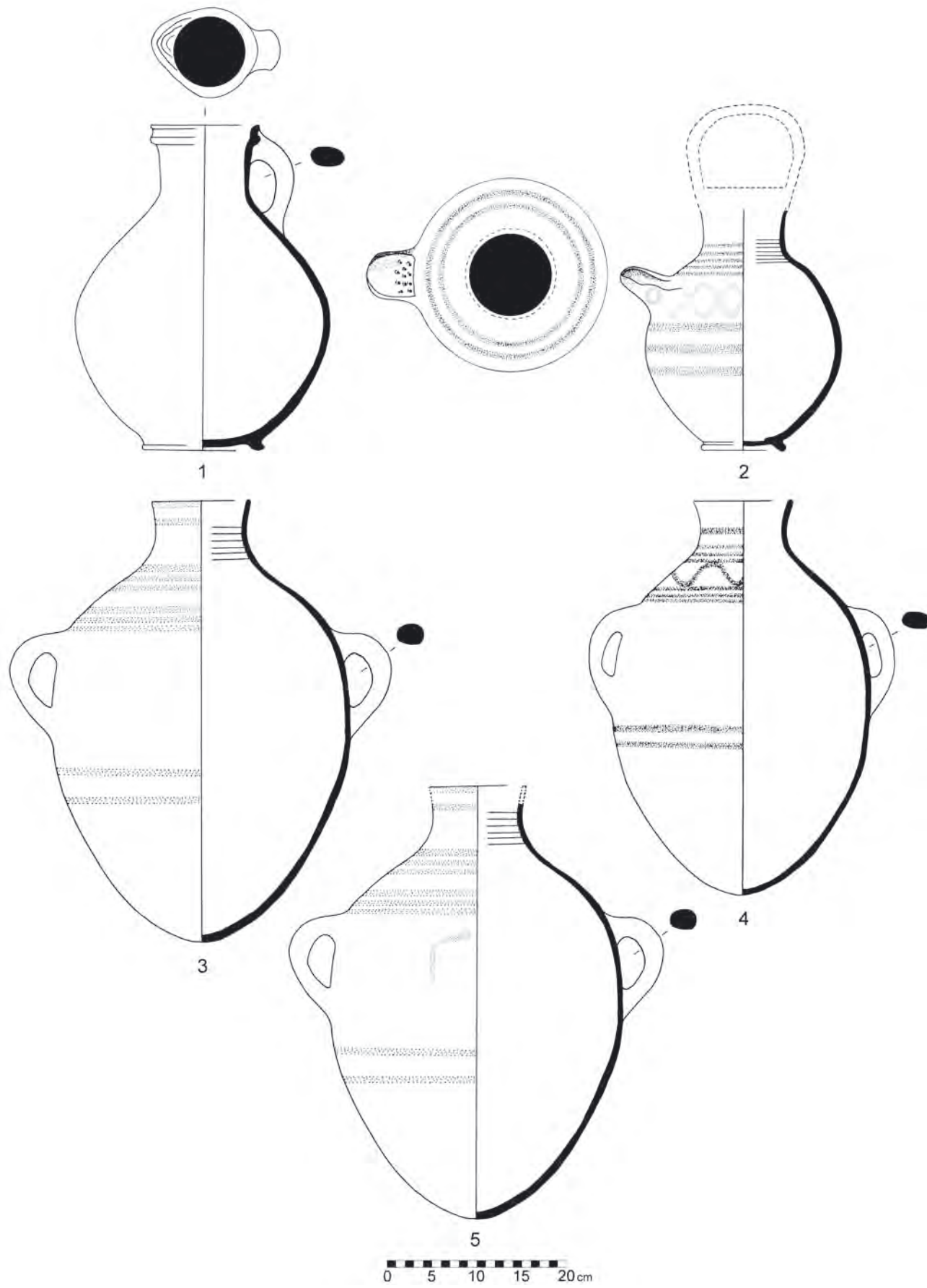


Fig. 305 Pottery from Phase IX, Area 9 East

Legend for the illustrated pottery from Phase IX,  
Area 9 East

Fig.	Locus No.	Description
301:1	237 -7	Jug, hard-fired, light brown fabric, cream-brown core, fine, cream slip, faded reddish-brown decoration.
301:2	244 -4	Jug, medium-hard-fired, light greyish-brown fabric, coarse, mainly black inclusions, light brown slip.
301:3	213 -3	Jug, hard-fired, light reddish-brown fabric, medium-coarse, multicoloured inclusions, light yellow slip.
301:4	213 -4	Jug, medium-hard fired, light brown fabric, coarse, mainly black inclusions, orange slip.
301:5	273 -1	Jug, very hard-fired, yellowish-brown fabric, thick black core, coarse, mainly white inclusions, yellowish-red slip.

Legend for the illustrated pottery from Phase IX,  
Area 9 East

Fig.	Locus No.	Description
302:1	267 N1398	Jug, hard-fired, yellowish-grey fabric, thick grey core, medium-fine, few coarse inclusions, red slip (see Figs. 303 and 456:5).
302:2	237 -1	Jug, medium-hard-fired, light reddish-brown fabric, grey core, medium-coarse, multicoloured inclusions, light red slip.
302:3	241 -1	Jug, medium-hard-fired, reddish-brown fabric, dark grey core, medium-fine, white inclusions, red slip, fingerprint on handle.



0 5 10 15 20 cm

Fig. 306 Jug L160-13 from Room 2, Phase IX, Area 9 East



0 5 10 15 20 cm

Fig. 307 Strainer-spouted jug L160-17 from Room 2, Phase IX, Area 9 East

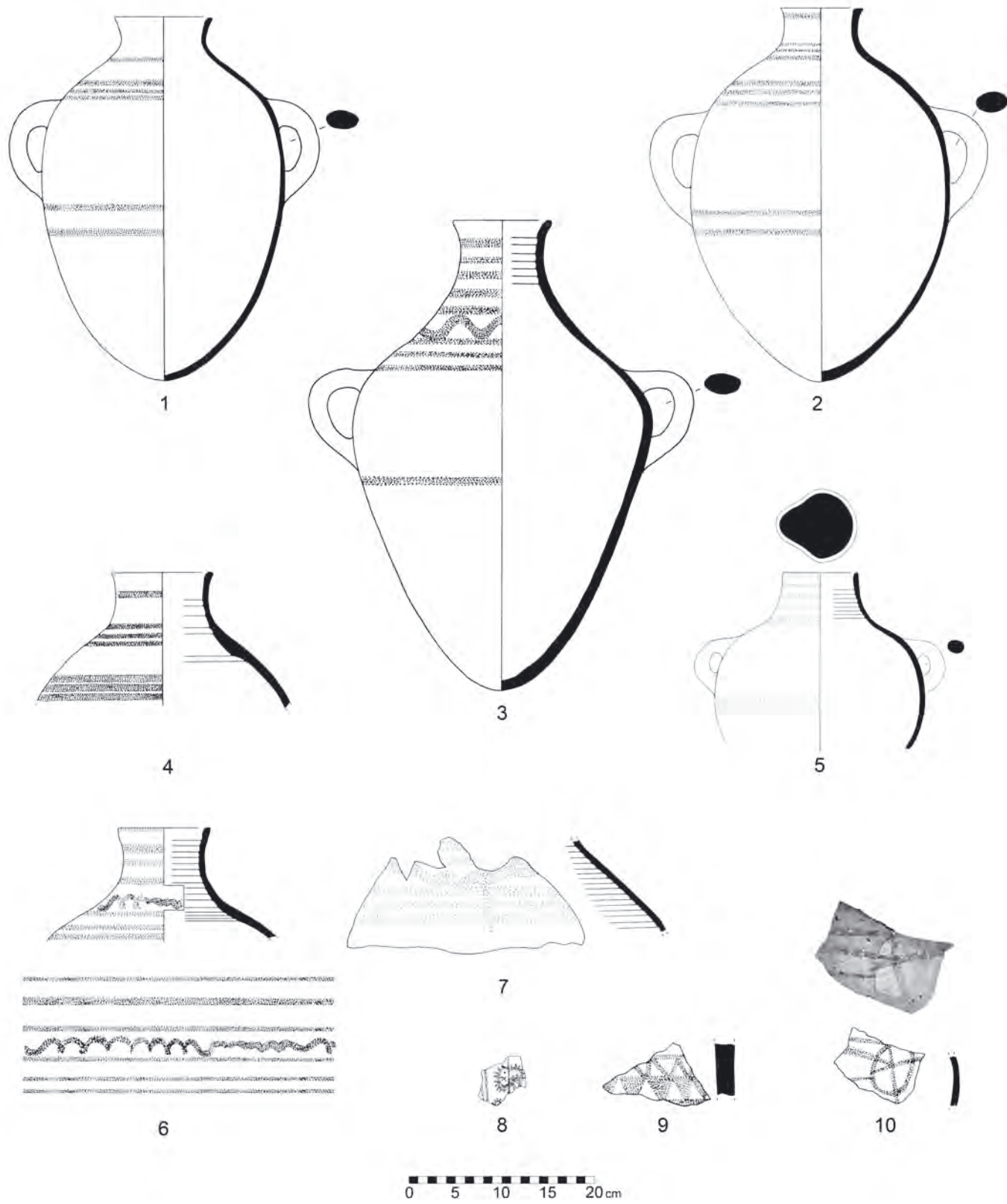


Fig. 308 Pottery from Phase IX, Area 9 East



302:4	219	-4	Jug, medium-hard-fired, light greyish-brown fabric, medium-coarse, multicoloured inclusions, orange slip, red decoration.
302:5	395	-4	Jug with trefoil mouth, hard-fired, light yellowish-grey fabric, medium-coarse, multicoloured inclusions, self slip.
302:6	354	-1	Jug, hard-fired, brownish-orange fabric, medium-coarse, multicoloured inclusions, self slip, light yellow wash.

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus	No.	Description
305:1	160	-13	Jug, hard-fired, light orange fabric, light yellowish-brown core, medium-coarse, mainly white inclusions, self slip (see Fig. 306).
305:2	160	-17	Strainer-spouted jug, hard-fired, light brown fabric, medium-coarse, mainly white inclusions, light yellowish-brown slip, light reddish-brown decoration (see Fig. 307).



Fig. 309 Jar L275-5 from Room 11, Phase IX, Area 9 East

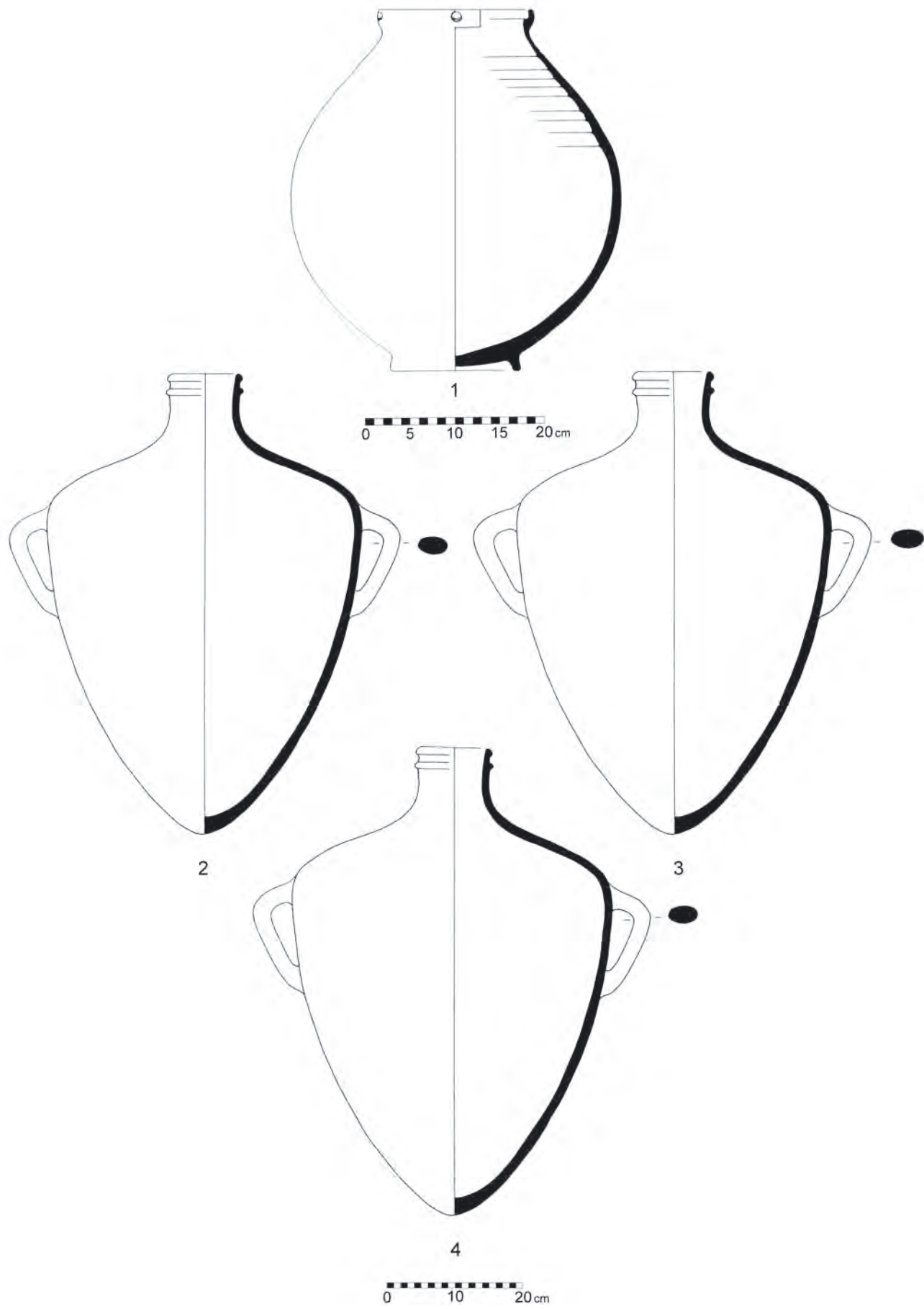


Fig. 310 Pottery from Phase IX, Area 9 East

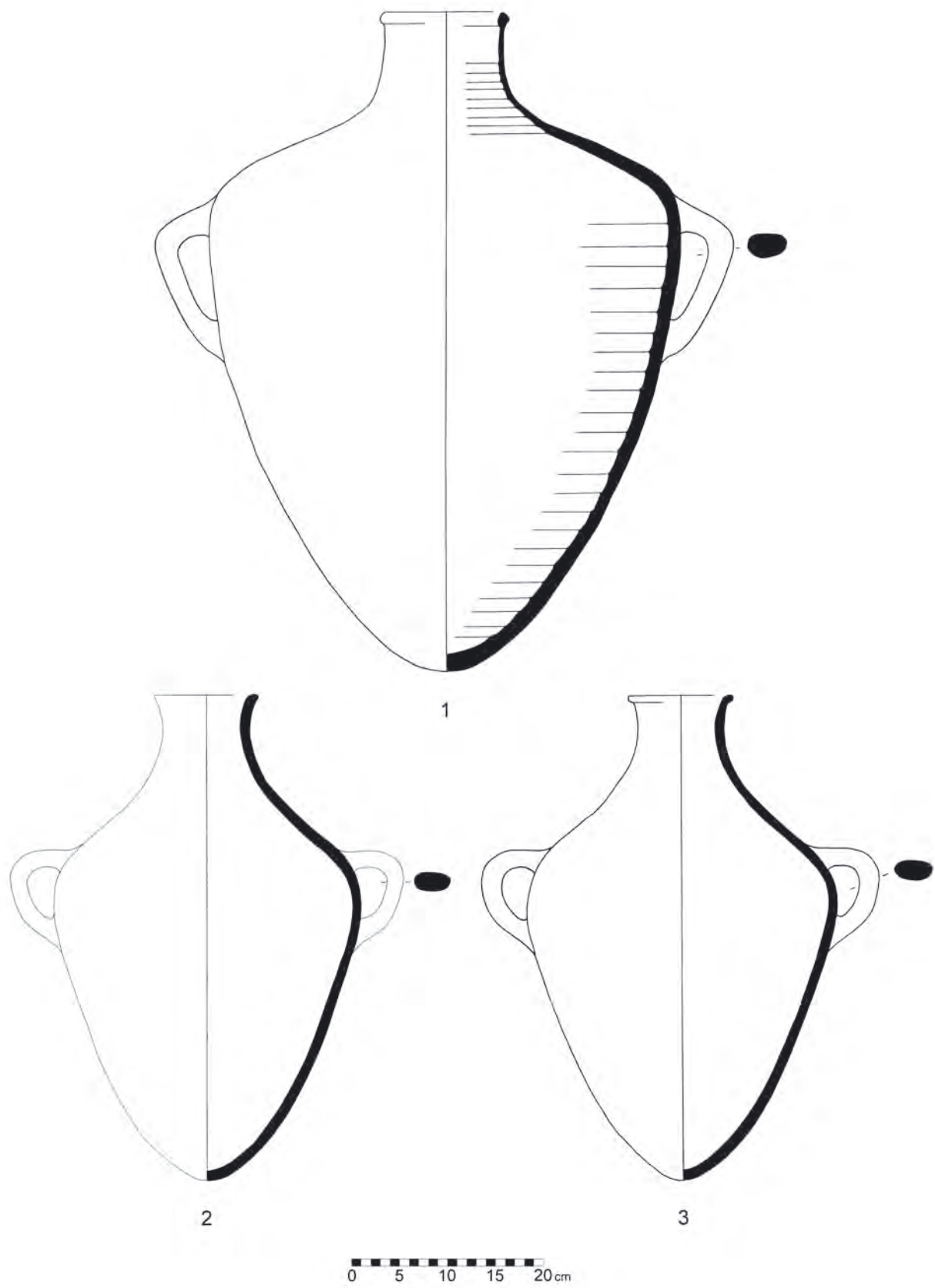


Fig. 311 Pottery from Phase IX, Area 9 East

305:3	160	-7	Jar, hard-fired, light orange fabric, medium-coarse, multicoloured inclusions, self slip, red decoration.
305:4	160	-9	Jar, hard-fired, orangish-brown fabric, medium-coarse, mainly white inclusions, self slip, reddish-brown decoration.
305:5	160	-15B	Jar, hard-fired, light orange fabric, medium-coarse, multicoloured inclusions, self slip, red decoration.

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus	No.	Description
308:1	267	N1395	Jar, hard-fired, light yellowish-brown fabric, coarse, multicoloured inclusions, light yellow slip, brownish-red decoration, finger impression above one handle.
308:2	275	-5	Jar, hard-fired, light brown fabric, multicoloured inclusions, pinkish-yellow slip, red decoration (see Figs. 309 and 457:4).
308:3	219	-9	Jar, hard-fired, light brown fabric, coarse, mainly white inclusions, light yellow slip, brownish-red decoration.
308:4	252	-3	Jug, medium-hard-fired, light greyish-yellow fabric, medium-coarse, grey inclusions, yellow slip, dark brownish-red decoration.
308:5	237	-4	Jug, hard-fired, cream fabric, medium-fine, white inclusions, light cream slip, red band decoration.
308:6	395	-5	Jar, hard-fired, light orangish-brown fabric, coarse, mainly white and grey inclusions, yellowish-brown slip, red decoration.
308:7	371	-5	Jar, hard-fired, light yellowish-grey fabric, medium-coarse, mainly grey and white inclusions, light orange slip, reddish-brown decoration.
308:8	252	-2	Jug (?), medium-hard-fired, yellowish-grey fabric, medium-fine, greenish-yellow slip, dark reddish-brown decoration.
308:9	354	-6	Jar (?), very hard-fired, light yellowish-grey fabric, medium-coarse, multicoloured inclusions, light yellow slip, dark red decoration.
308:10	354	-5	Jar (?), hard-fired, grey fabric, coarse, multicoloured inclusions, light yellow slip, dark red decoration, burnished.

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus	No.	Description
310:1	273	-3	Jar with lid device and holes for strings, hard-fired, light brown fabric, grey core, coarse, mainly white and grey inclusions; plastic dot decoration on rim.
310:2	239	N1348	Storage jar, hard-fired, brown fabric, dark grey core, grey inclusions, yellowish-grey slip; neck ridge.

310:3	239	N1347	Storage jar, hard-fired, light brown fabric interior, light red fabric exterior, brown core, mainly white inclusions, yellowish-grey slip; neck ridge.
310:4	239	N1346	Storage jar, hard-fired, red fabric, thick black core, light grey inclusions, yellowish-grey slip; neck ridge.

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus	No.	Description
311:1	247	-1	Storage jar, hard-fired, red fabric, greyish-yellow core, medium-coarse, multicoloured inclusions, self slip.
311:2	239	N1349	Storage jar, hard-fired, light red fabric, thick light grey core, dark grey inclusions, self slip.
311:3	219	N1366	Storage jar, hard-fired, reddish-brown fabric exterior, light reddish-yellow fabric interior, medium-fine, self slip (see Fig. 312).



Fig. 312 Storage jar N1366 from Room 10, Phase IX, Area 9 East

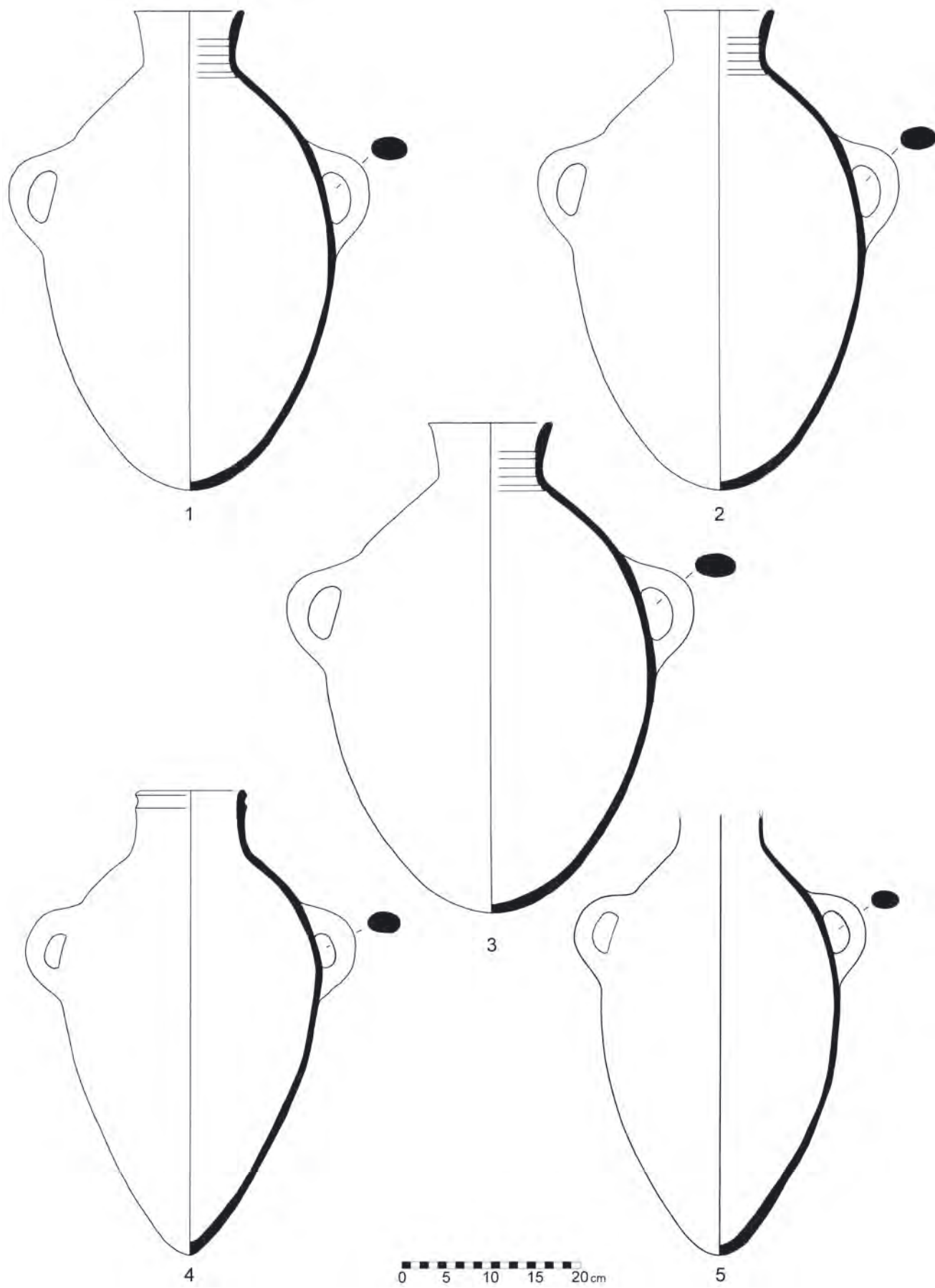


Fig. 313 Pottery from Phase IX, Area 9 East

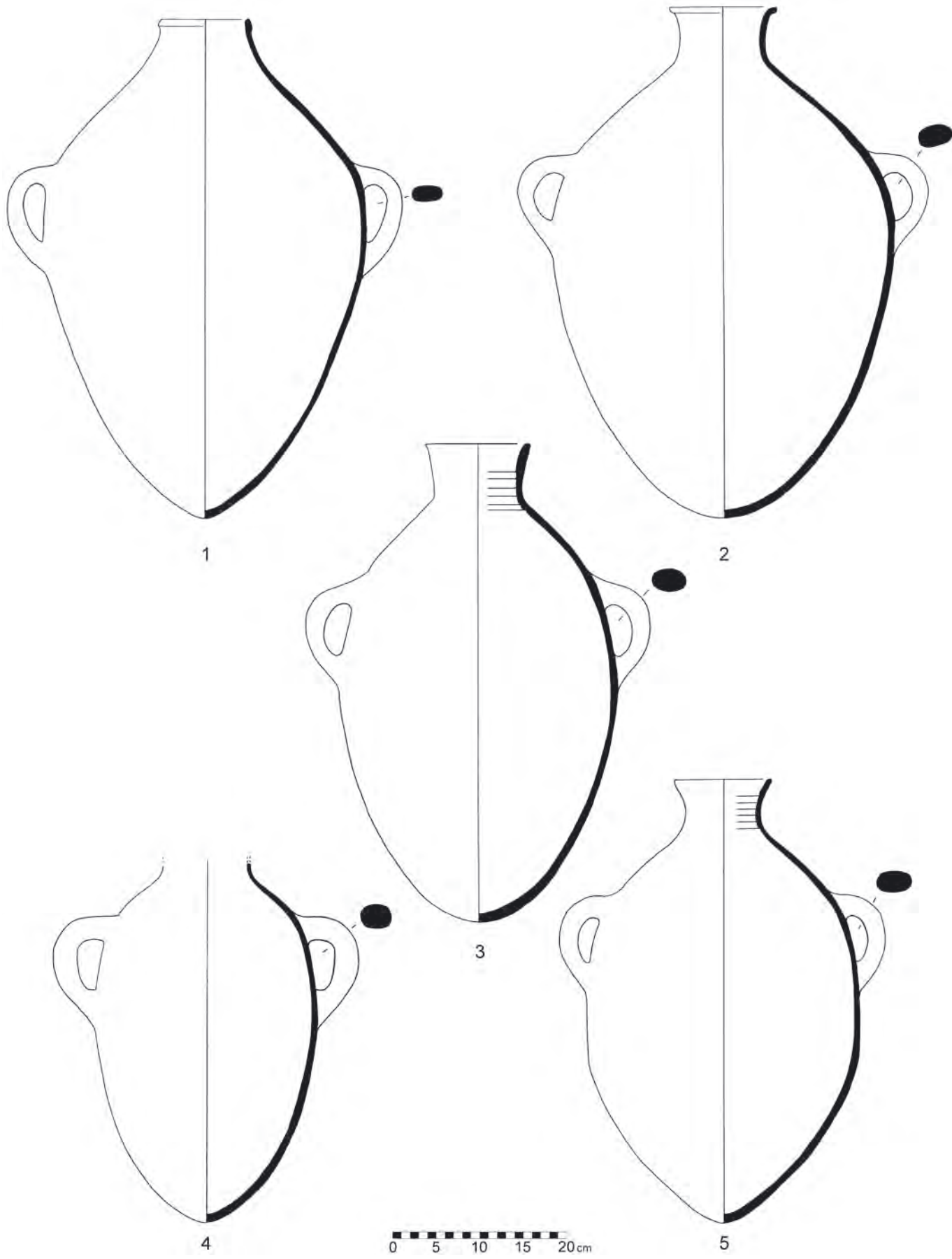


Fig. 314 Pottery from Phase IX, Area 9 East



Fig. 315 Storage jars (from left): L160-11, L160-18, L160-12 and L160-10 from Room 2, Phase IX, Area 9 East

Legend for the illustrated pottery from Phase IX,  
Area 9 East

Fig.	Locus No.	Description
313:1	160 -14	Storage jar, hard-fired, light orange fabric, light greyish-yellow core, medium-coarse, multicoloured inclusions, self slip, vertical and diagonal red wash, finger impression on both handles.
313:2	160 -12	Storage jar, hard-fired, light greyish-yellow fabric, medium-coarse, mainly grey inclusions, self slip (see Figs. 315 third from left and 457:7).
313:3	160 -16	Storage jar, hard-fired, light orange fabric, thick grey core, medium-coarse, multicoloured inclusions, self slip, vertical red wash.
313:4	160 -20	Storage jar, hard-fired, light orangish-brown fabric, medium-coarse, multicoloured inclusions, self slip, vertical red wash; ridge just below rim.
313:5	160 -26	Storage jar, hard-fired, light brown fabric, medium-coarse, mainly white inclusions, light orange slip, vertical red wash.

Legend for the illustrated pottery from Phase IX,  
Area 9 East

Fig.	Locus No.	Description
314:1	160 -10	Storage jar, hard-fired, light orange fabric, thick grey core, medium-coarse, mainly white inclusions, self slip (see Figs. 315 right, 316 and 457:8).
314:2	160 -18	Storage jar, hard-fired, light orange fabric interior, grey fabric exterior, coarse, mainly white and grey inclusions, light yellow slip (see Figs. 315 second from left and 457:6).



Fig. 316 Contents (flour) of storage jar L160-10 from Room 2, Phase IX, Area 9 East

314:3	160 -11	Storage jar, hard-fired, light orangish-brown fabric, medium-coarse, multicoloured inclusions, light orange slip, finger impression on one handle (see Figs. 315 left and 457:5).
314:4	160 -25	Storage jar, hard-fired, light orangish-brown fabric, medium-fine, multicoloured inclusions, self slip.
314:5	160 -8	Storage jar, hard-fired, light orange fabric, light greyish-yellow core, medium-coarse, multicoloured inclusions, self slip, vertical red wash, finger impression on both handles.

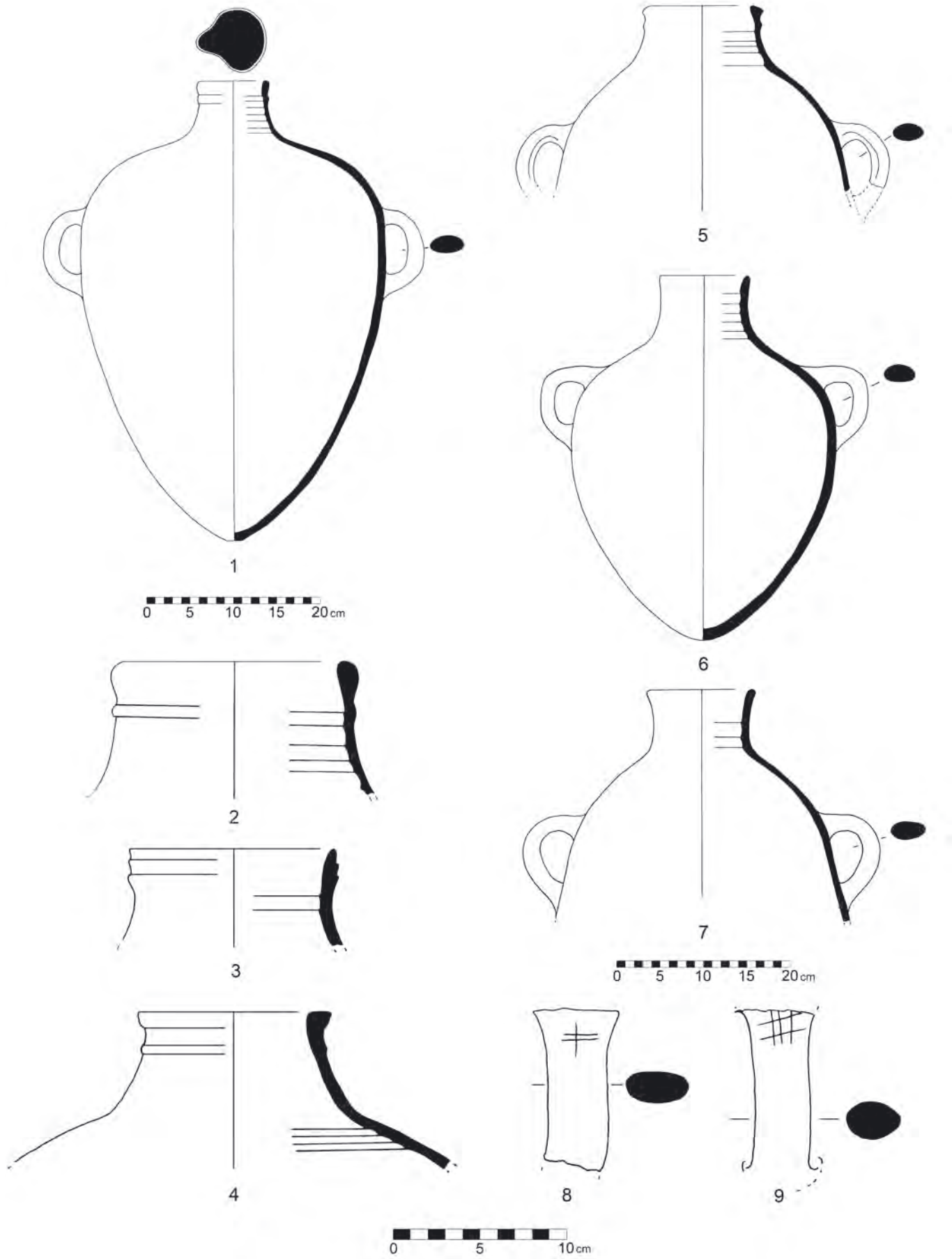


Fig. 317 Pottery from Phase IX, Area 9 East





Fig. 318 Storage jar N1400 from Room 11, Phase IX, Area 9 East



Fig. 319 Jar N1378 from Room 12, Phase IX, Area 9 East

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
317:1	275 N1400	Storage jar with trefoil spout, medium-hard-fired, reddish-brown fabric, grey core, medium-coarse, red slip; ridge below rim (see Fig. 318).
317:2	213 -2	Storage jar, hard-fired, greyish-brown fabric, coarse, mainly white inclusions, greyish-brown slip; ridge below rim.
317:3	369 -2	Jar, hard-fired, very light pinkish-brown fabric, medium-coarse, mainly white and grey inclusions, light yellow to orange slip.
317:4	396 -3	Jar, hard-fired, light reddish-brown fabric, coarse, multicoloured inclusions, orangish-yellow slip.
317:5	208 -5	Storage jar, medium-hard-fired, greyish-brown fabric, medium-coarse, few multicoloured inclusions, yellowish-grey slip; ridge below rim.
317:6	267 N1378	Jar, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, light greyish-brown slip (see Fig. 319).
317:7	208 -4	Storage jar, medium-hard-fired, light greyish-brown fabric, medium-coarse, light orange slip.
317:8	396 -2	Jar, hard-fired, light yellow fabric, coarse, multicoloured inclusions, self slip, potter's mark: double cross.

317:9	385 -3	Jar, hard-fired, light orangish-red fabric, thick dark grey core, coarse, mainly white inclusions, yellowish-grey slip, potter's mark.
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Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
320:1	390 -1	Jar, hard-fired, dark brown fabric, grey core, medium-coarse, mainly white inclusions, self slip.
320:2	395 N1456	Jar, medium-hard-fired, light red fabric, coarse, multicoloured inclusions, yellowish-red slip, finger impression on one handle.
320:3	395 -2	Biconical jar, hard-fired, light brown fabric, coarse, multicoloured inclusions, light yellowish-brown slip, dark red decoration.

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
321:1	267 N1384	Pilgrim flask, hard-fired, light brownish-red fabric, medium-fine, light yellowish-brown slip, burnished, bichrome red and black decoration (see Figs. 322 and 457:9).
321:2	267 -3	Pilgrim flask, light brown fabric, grey core, medium-fine, light greyish-yellow slip, brown paint (see Fig. 323).

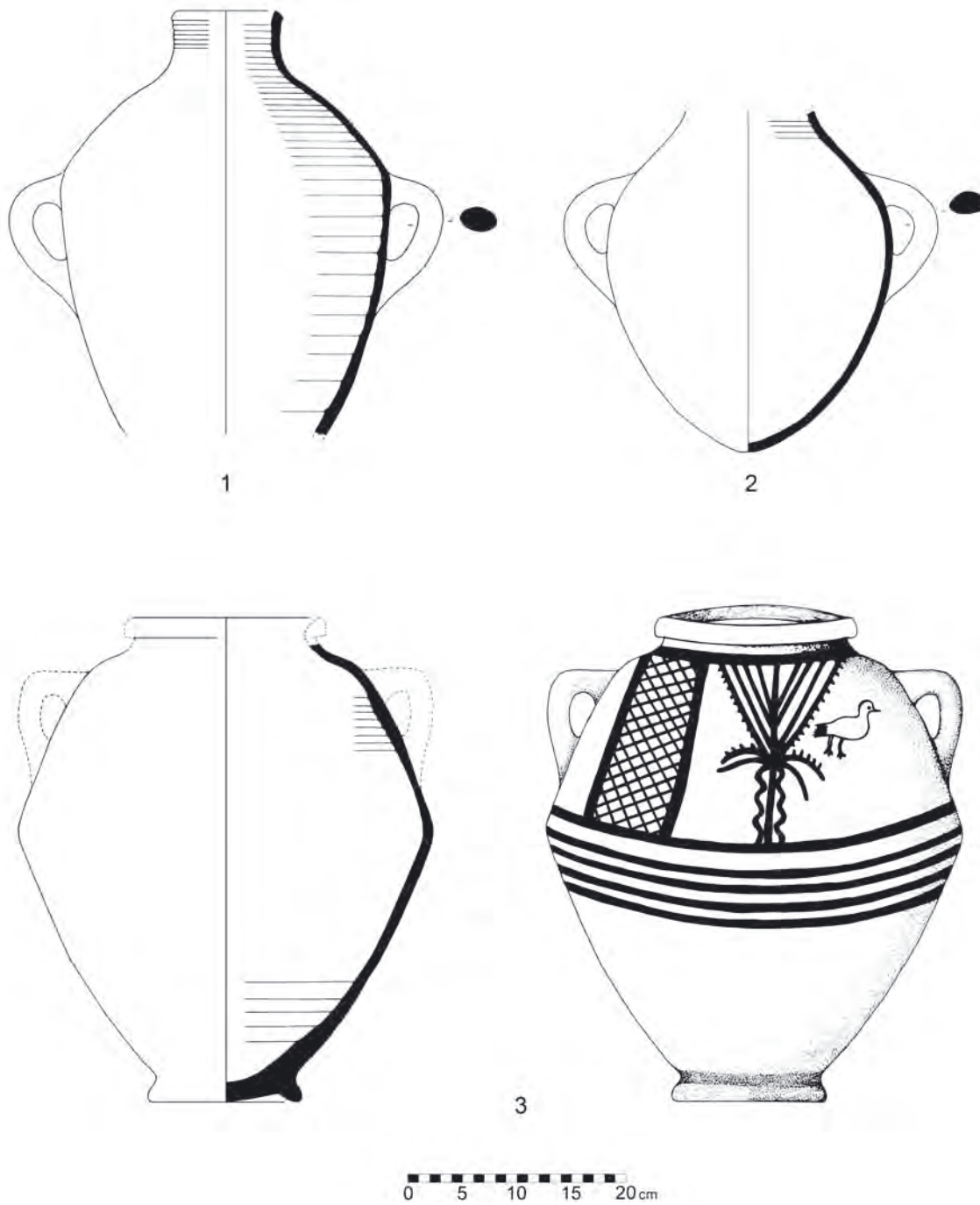


Fig. 320 Pottery from Phase IX, Area 9 East

321:3	371	-1	Pilgrim flask, hard-fired, light red fabric, yellow core, medium-coarse, mainly black inclusions, light red slip.	321:6	377	N1453 Pilgrim flask, medium-hard-fired, pinkish-red fabric, medium-fine, white and grey inclusions, orange slip, dark red decoration.	
321:4	264	-1	Pilgrim flask, medium-hard-fired, light red fabric, greyish-brown core, coarse, multicoloured inclusions, light red slip.	321:7	208	-6	Globular jug, hard-fired, light reddish-brown fabric exterior, light greyish-brown fabric interior, fine, light reddish-yellow burnished slip, matt bichrome black and red decoration; Phoenician import (see Fig. 452:4).
321:5	219	N1350	Pilgrim flask, hard-fired, light brownish-red fabric, light grey core, self slip, white decoration (see Fig. 324).				

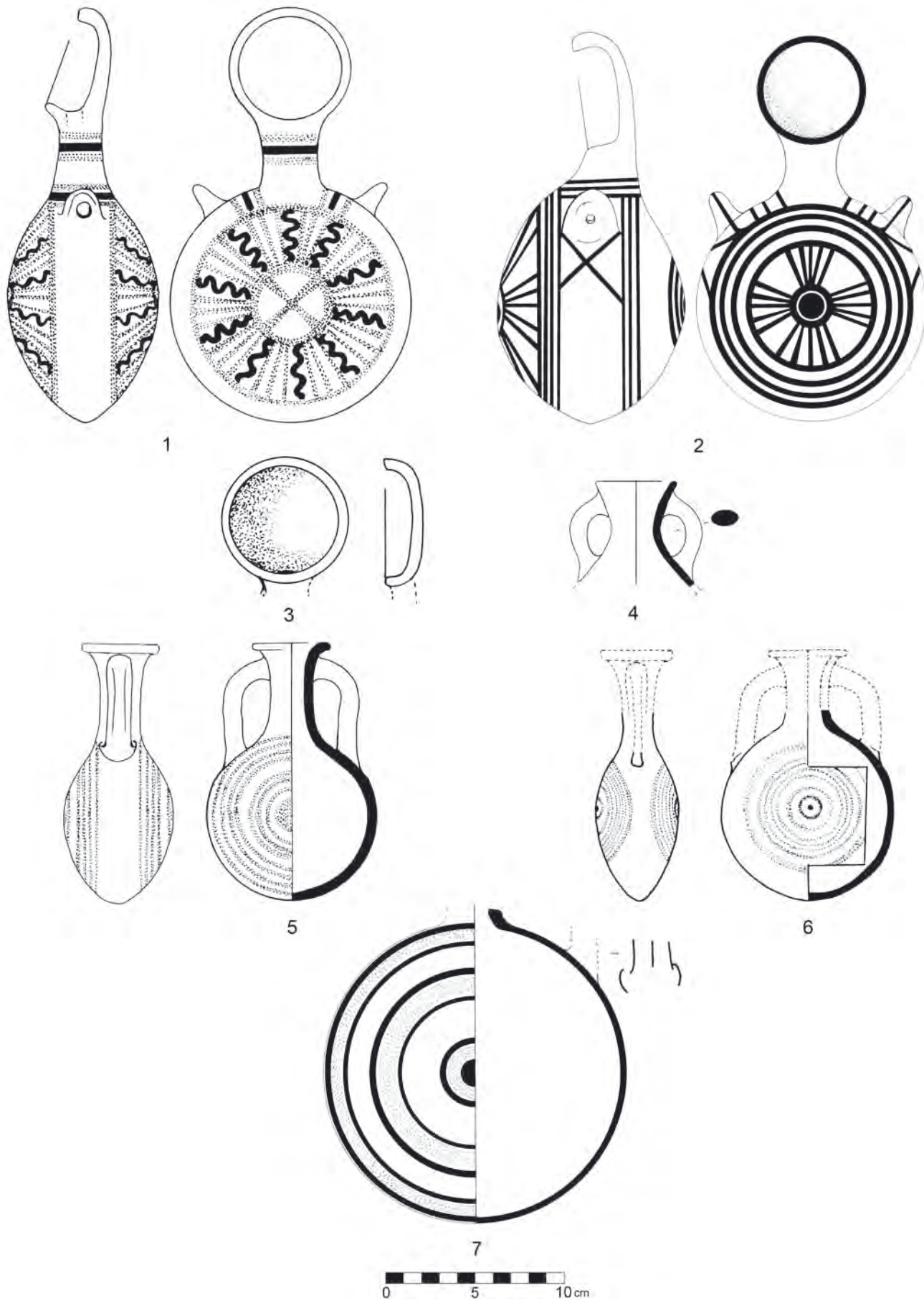


Fig. 321 Pottery from Phase IX, Area 9 East

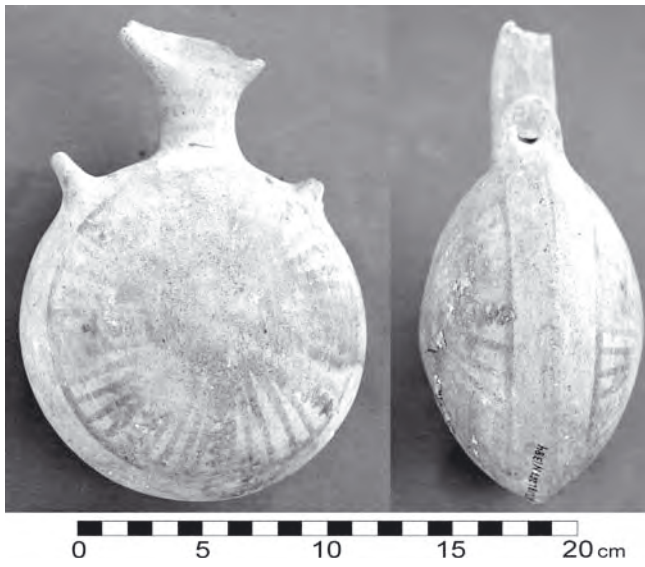


Fig. 322 Pilgrim flask N1384 from Room 12, Phase IX, Area 9 East



Fig. 323 Pilgrim flask L267-3 from Room 12, Phase IX, Area 9 East



Fig. 324 Pilgrim flask N1350 from Room 10, Phase IX, Area 9 East

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
325:1	219 N1351	Pyxis, medium-hard-fired, light brownish-red fabric, coarse, mainly white inclusions, brownish-red slip, vertically burnished, base also burnished (see Fig. 326).
325:2	244 -1	Pyxis, medium-hard-fired, light brownish-yellow fabric, coarse, mainly black inclusions, self slip.

325:3	371	N1442 Pyxis, medium-hard-fired, light orangish-brown fabric, coarse, multicoloured inclusions, reddish-brown slip, traces of red decoration.
325:4	358 -2	Pyxis, hard-fired, light yellowish-brown fabric, medium-fine, multicoloured inclusions, yellowish-white slip, brownish-red decoration.
325:5	208	N1392 Pyxis, medium-hard-fired, light brown fabric, fine, yellow slip, dark brownish-red line decoration, traces of fire in interior.
325:6	369 -6	Pyxis, hand-made, medium-hard-fired, pinkish-yellow fabric, thick grey core, coarse, multicoloured inclusions, pinkish-yellow slip.
325:7	267	N1381 Pyxis/juglet with lug handles, hard-fired, light red fabric, coarse, mainly white inclusions, light yellow slip.
325:8	219	N1365 Double-pyxis with basket handle, wheel-made/hand-made, medium-soft fired, light greyish-brown fabric, medium-fine, light yellowish-brown slip, brownish-red paint (see Figs. 327 and 452:3).

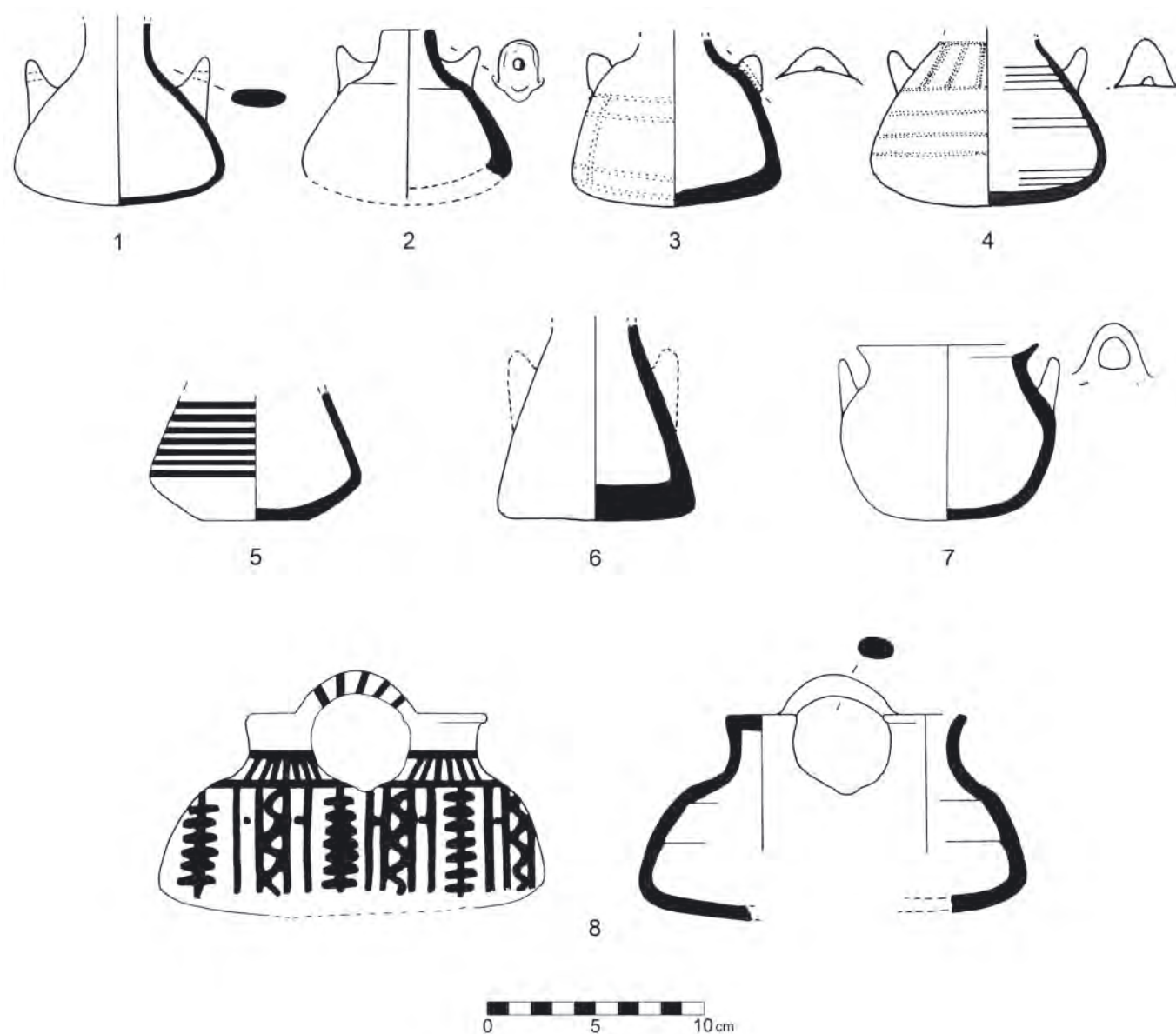


Fig. 325 Pottery from Phase IX, Area 9 East

## Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
328:1	273 N1390/2	Chalice with cut base, light reddish-yellow slip (see Fig. 329).
328:2	273 N1390/1	Stand, wheel- and hand-made, hard-fired, yellowish-brown fabric, coarse, mainly grey inclusions, light reddish-yellow slip, two rectangular windows, open upper part (see Fig. 329).
328:3	354 -7	<i>Tannur</i> , hand-made, unfired, dark brown to reddish-brown fabric, very coarse, multicoloured and organic inclusions, traces of soot on surface.
328:4	377 -5	Heater, unfired clay, partly secondarily fired.

328:5 377 -4 Heater, unfired clay, partly secondarily fired.

## Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
330:1	213 -1	Lamp, hard-fired, light greyish-brown fabric, medium-coarse, mainly black inclusions, light yellowish-brown slip.
330:2	219 N1332	Lamp, medium-hard-fired, reddish-brown fabric, medium-fine inclusions, orange slip (see Fig. 331).
330:3	258 N1371	Lamp, medium-hard-fired, light brown fabric, medium-fine, yellow slip (see Fig. 332).



Fig. 326 Pyxis N1351 from Room 10, Phase IX, Area 9 East

- |       |     |    |  |
|-------|-----|----|--|
| 330:4 | 397 | -1 | Lamp, hard-fired, light greyish-yellow fabric, coarse, grey inclusions, light orange slip, traces of soot. |
| 330:5 | 351 | -1 | Lamp, very soft-fired, light greyish-brown fabric, coarse, multicoloured inclusions, self slip.            |

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
333:1	261 -1	Cooking pot, hard-fired, dark grey fabric, white inclusions, brown slip.
333:2	237 -8	Cooking pot, hard-fired, dark grey fabric, medium coarse, white inclusions, red slip.
333:3	371 -4	Cooking pot, hard-fired, brown fabric, black core, coarse, mainly white inclusions, self slip.



Fig. 327 Double-pyxis with basket handle N1365 from Room 10, Phase IX, Area 9 East

- |       |     |    |  |
|-------|-----|----|--|
| 333:4 | 239 | -1 | Cooking pot, hard-fired, grey fabric, white inclusions, brown slip.  |
| 333:5 | 237 | -5 | Cooking pot, medium-hard-fired, dark reddish-brown fabric, black and white medium-large inclusions, self slip. |
| 333:6 | 275 | -3 | Cooking pot, hard-fired, reddish-brown fabric, dark grey core, coarse, mainly white inclusions, self slip.     |

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
334:1	229 -7	Cooking pot, hard-fired, brown fabric, coarse, white inclusions, brown slip.
334:2	210 -2	Cooking pot, hard-fired, brown fabric, coarse, white inclusions, brown slip.
334:3	238 -1	Cooking pot, hard-fired, brown fabric, dark grey core, coarse, mainly white inclusions, self slip; ridge on shoulder.
334:4	244 -3	Cooking pot, hard-fired, dark brown fabric, coarse, quartz inclusions, self slip.
334:5	385 -6	Cooking pot, hard-fired, dark brown fabric, thick dark grey core, coarse, white inclusions, self slip, traces of secondary firing.

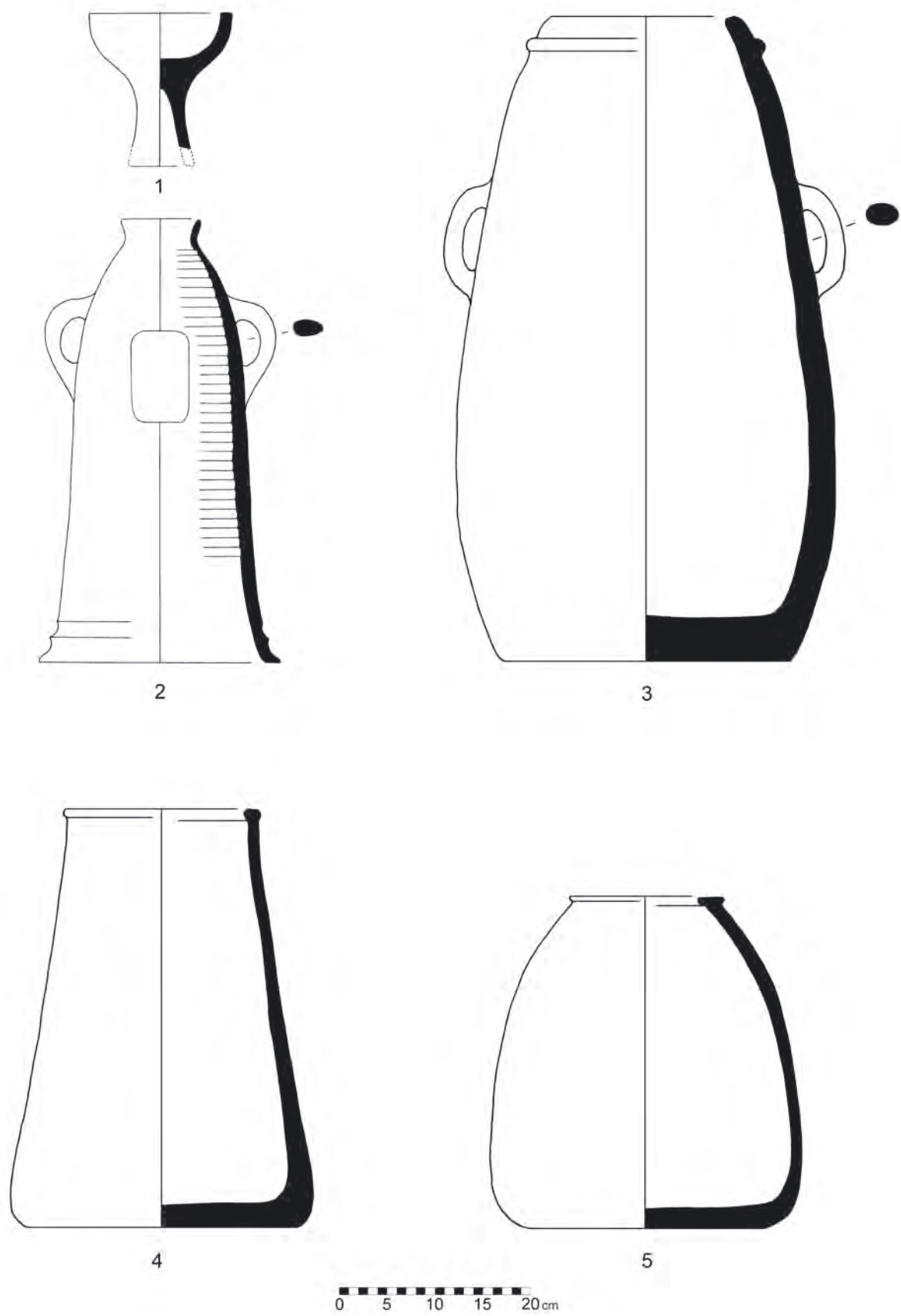


Fig. 328 Pottery from Phase IX, Area 9 East



Fig. 329 Stand N1390/1 with chalice N1390/2 as lid from Room 9, Phase IX, Area 9 East; observe traces of oily liquid

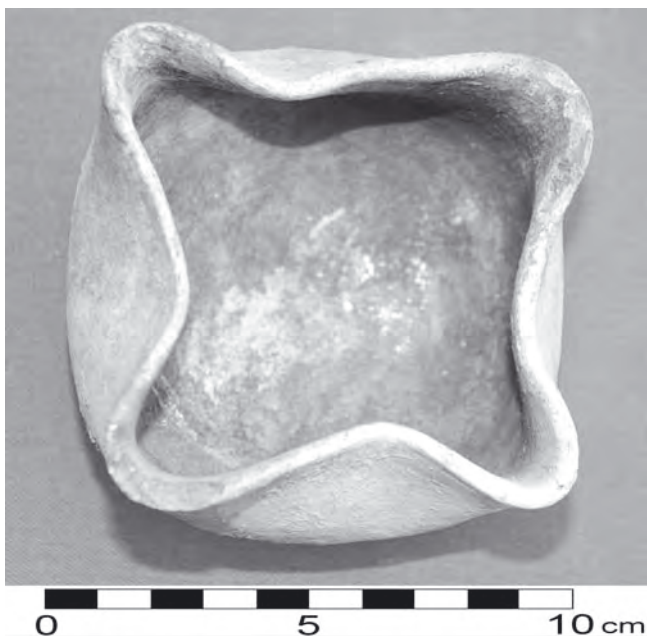


Fig. 331 Lamp N1332 from Room 10, Phase IX, Area 9 East



Fig. 332 Lamp N1371 from Room 12, Phase IX, Area 9 East



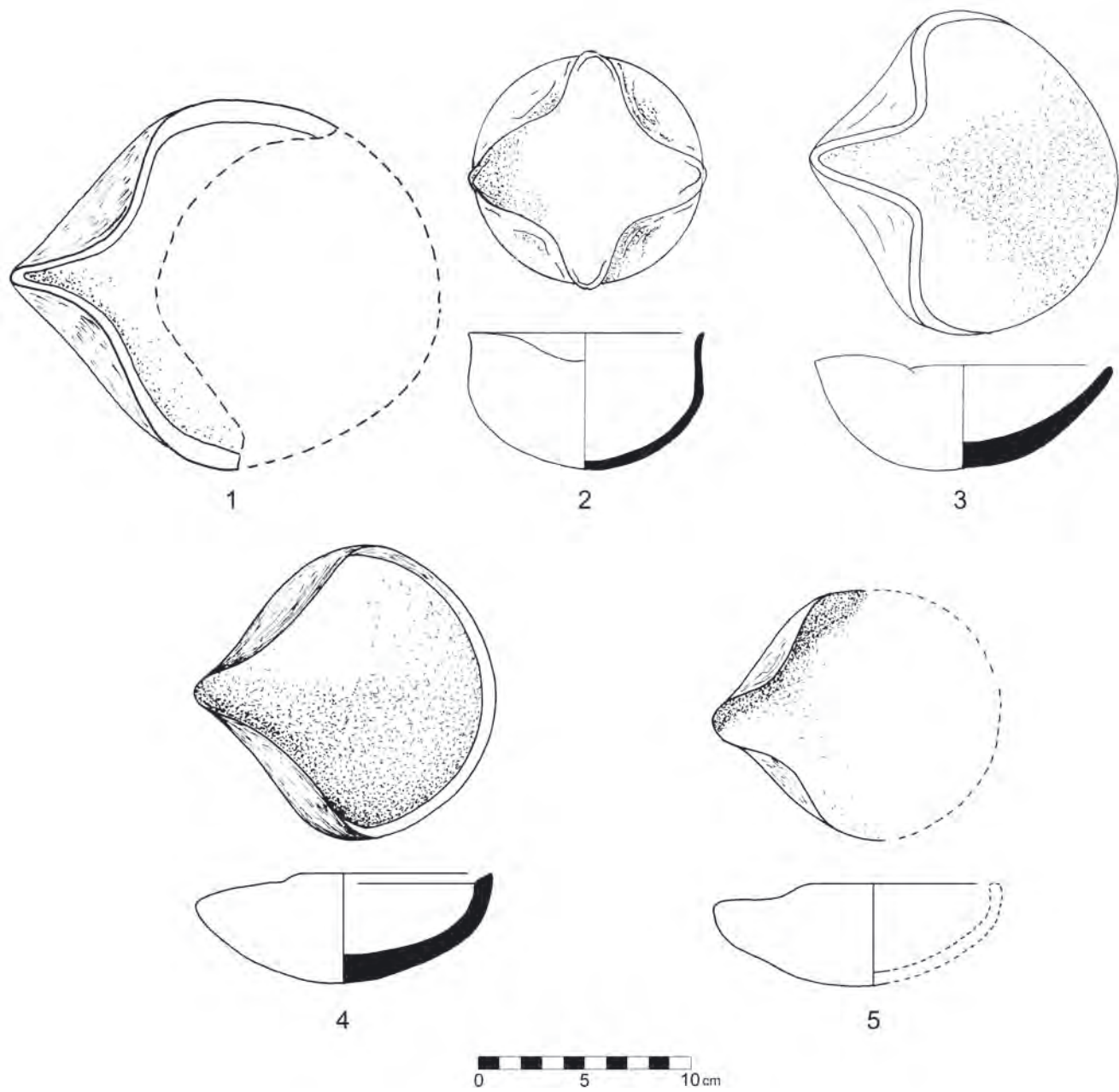


Fig. 330 Pottery from Phase IX, Area 9 East

334:6	229	-4	Cooking pot, hard-fired, grey fabric, dark grey inclusions, red slip.
334:7	396	-1	Cooking pot, hard-fired, dark brown fabric, coarse, mainly quartz inclusions, self slip.
334:8	208	-3	Cooking pot, hard-fired, dark reddish-brown fabric, quartz inclusions, self slip; decoration in form of impressed dots.

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
335:1	273 N1358	Cooking pot, medium-hard-fired, yellowish-brown fabric, thick black core, coarse, white inclusions, self slip (see Fig. 336).

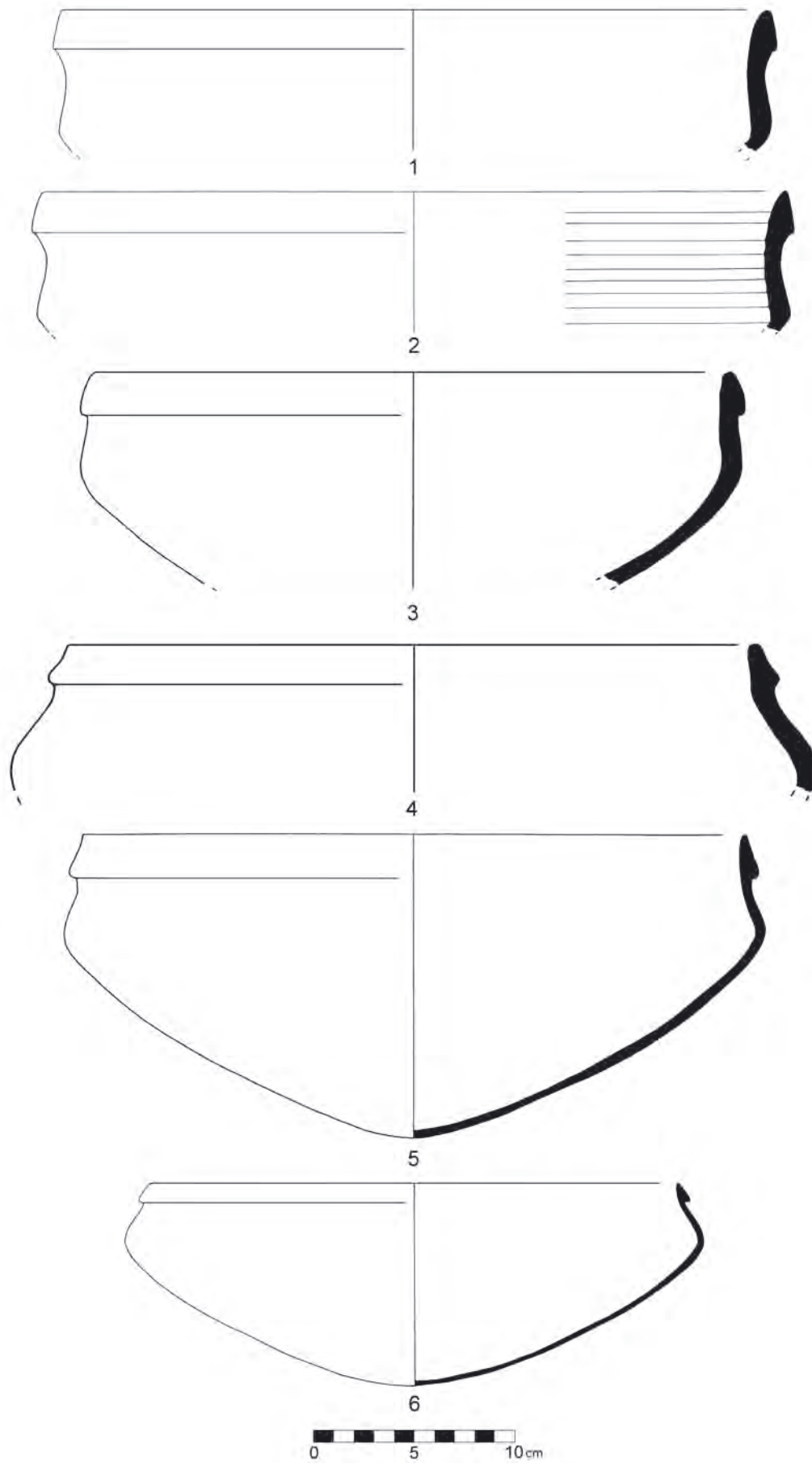


Fig. 333 Pottery from Phase IX, Area 9 East

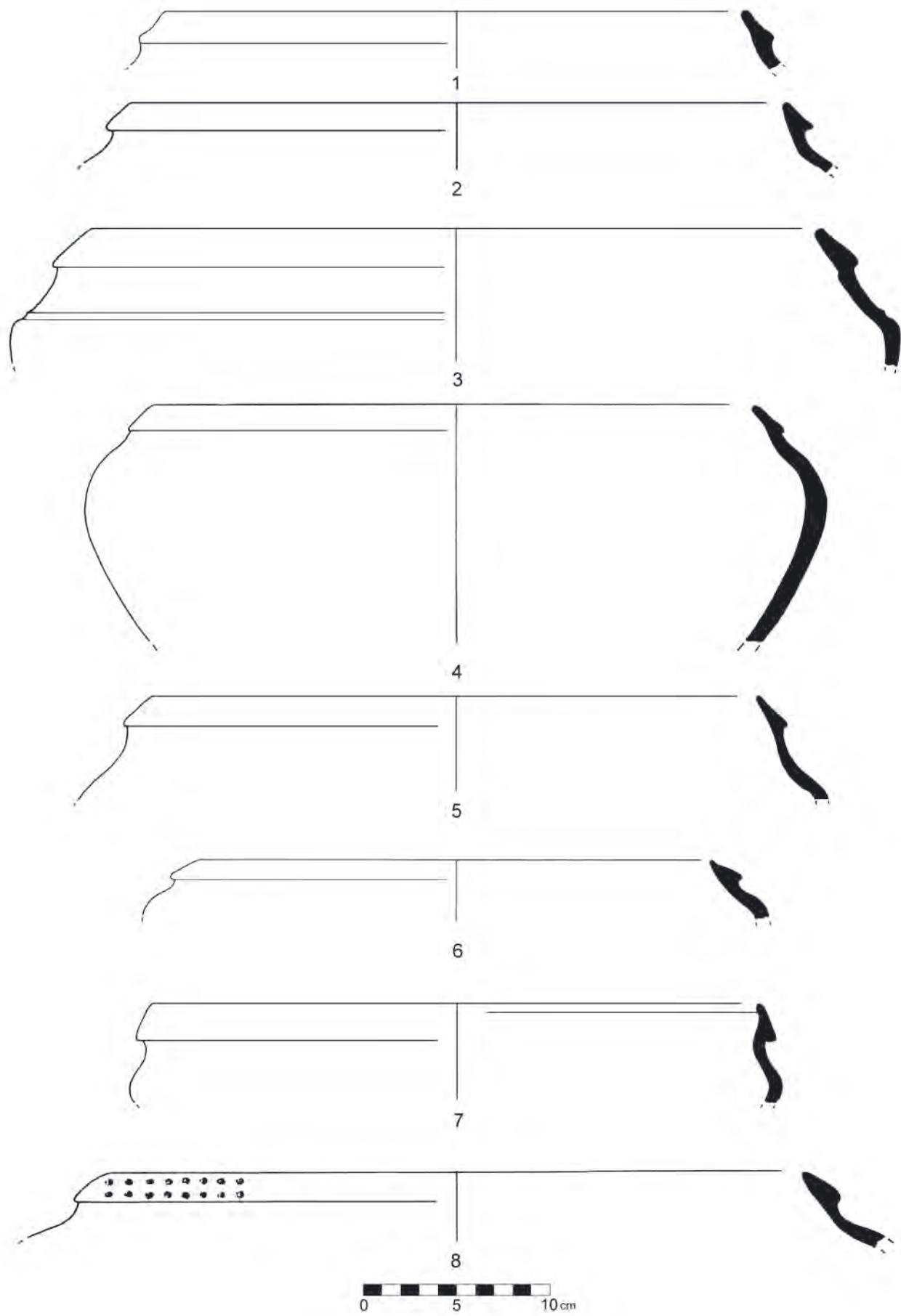


Fig. 334 Pottery from Phase IX, Area 9 East

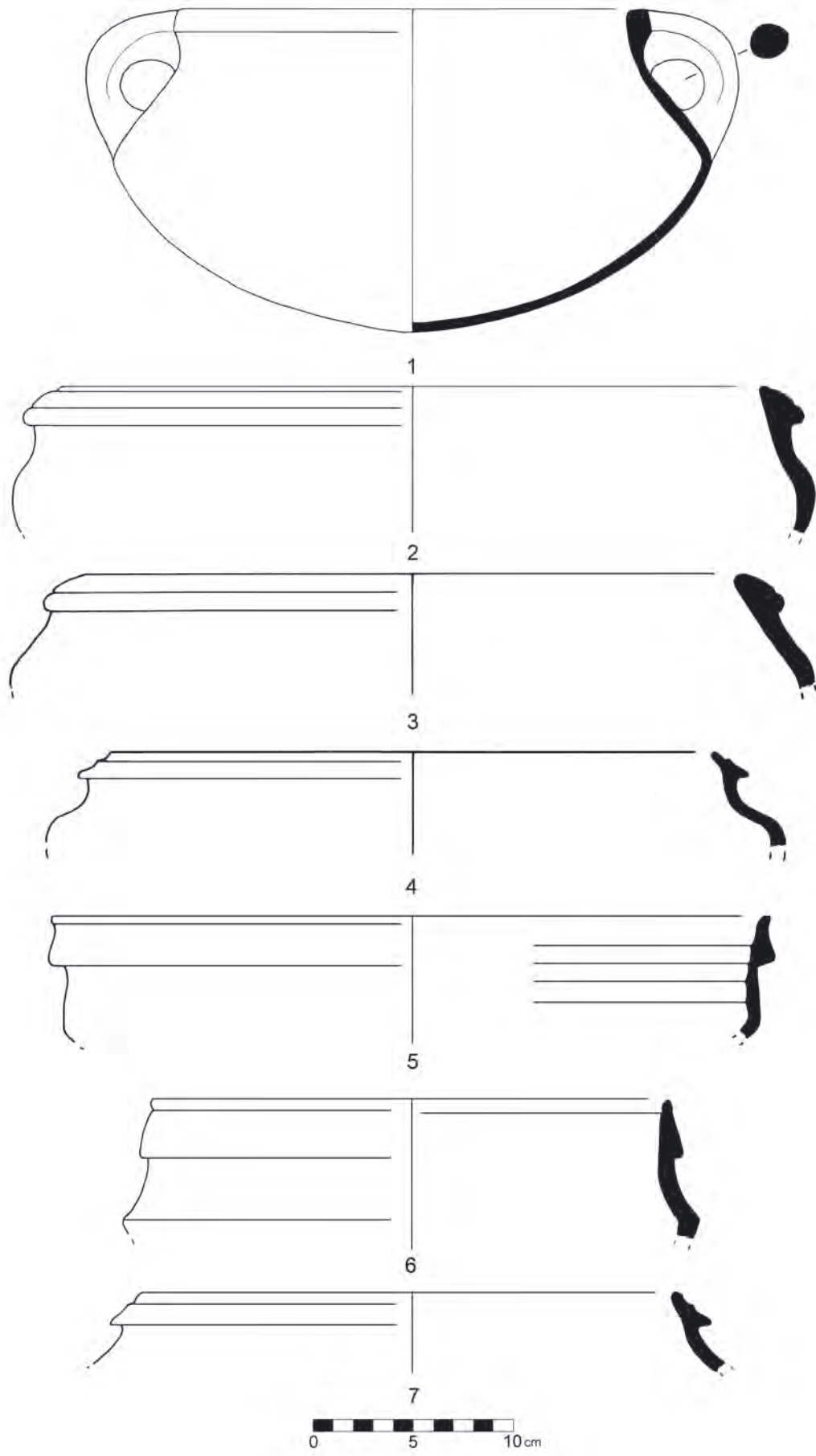


Fig. 335 Pottery from Phase IX, Area 9 East



Fig. 336 Cooking pot N1358 from Room 9, Phase IX, Area 9 East (see also Fig. 335:1)

335:2	219	-5	Cooking pot, hard-fired, reddish-brown fabric, thick dark grey core, coarse, quartz inclusions, self slip.
335:3	210	-1	Cooking pot, hard-fired, brown fabric, coarse, white inclusions, brown slip.
335:4	249	-1	Cooking pot, hard-fired, dark red fabric, thick dark grey core, coarse, mainly quartz inclusions, self slip.
335:5	359	-1	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, coarse, black and white inclusions, self slip.
335:6	371	-2	Cooking pot, hard-fired, brownish-red fabric, thick dark grey core, coarse, mainly white inclusions, self slip.
335:7	354	-2	Cooking pot, hard-fired, dark grey fabric, coarse, mainly white inclusions, dark reddish-brown slip.

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
337:1	389 -1	Cooking pot, medium-hard-fired, dark brown fabric, very thick dark grey core, coarse, mainly white inclusions, self slip.
337:2	385 -5	Cooking pot, hard-fired, reddish-brown fabric, thick dark grey core, coarse, mainly white inclusions, self slip, traces of secondary firing.
337:3	351 -2	Cooking pot, hard-fired, reddish-brown fabric, thick grey core, coarse, mainly white inclusions, light yellow slip (not used).
337:4	369 -4	Cooking pot, hard-fired, dark brown fabric, thick dark grey core, coarse, mainly white and light grey inclusions, self slip.

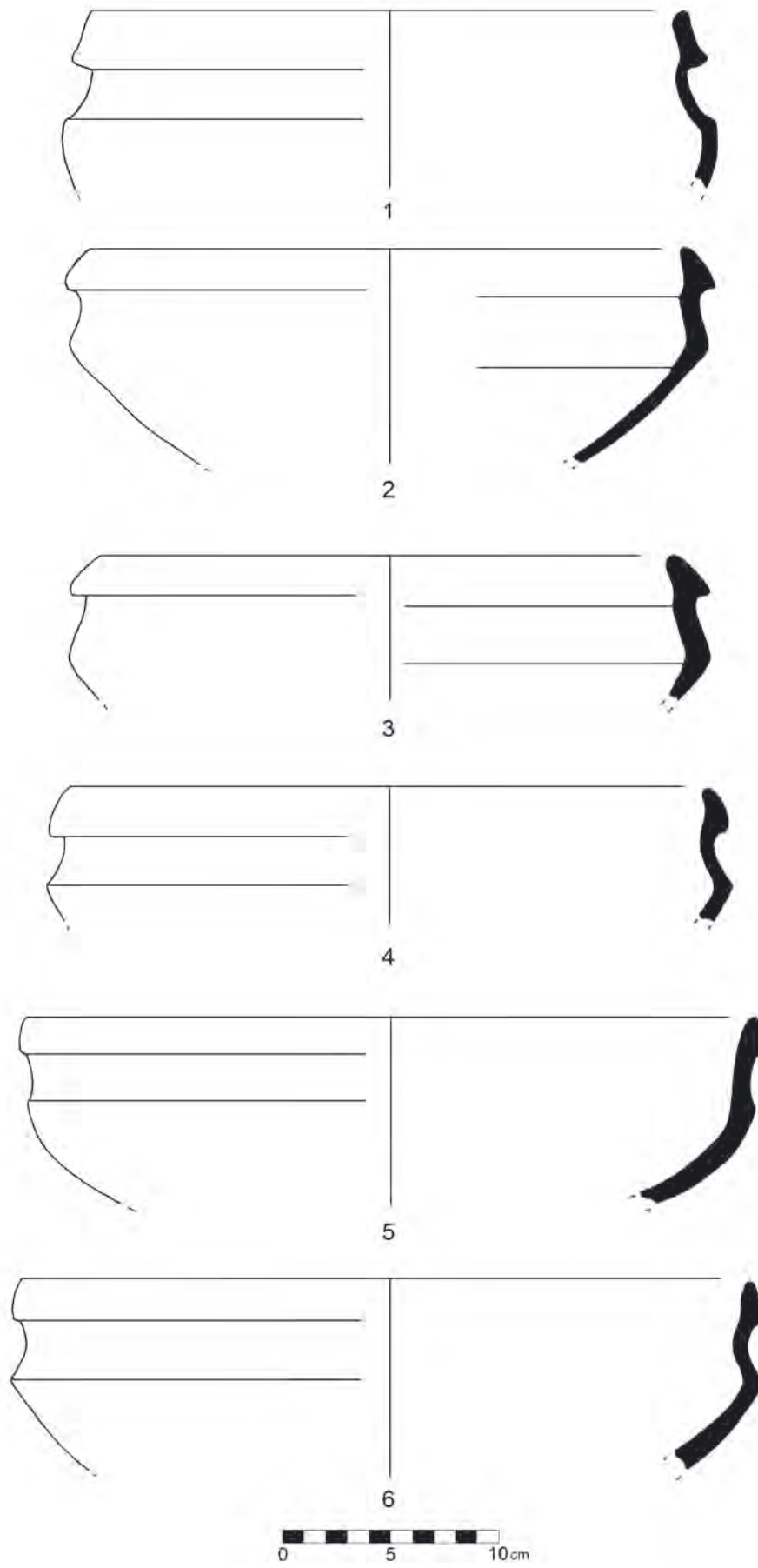


Fig. 337 Pottery from Phase IX, Area 9 East

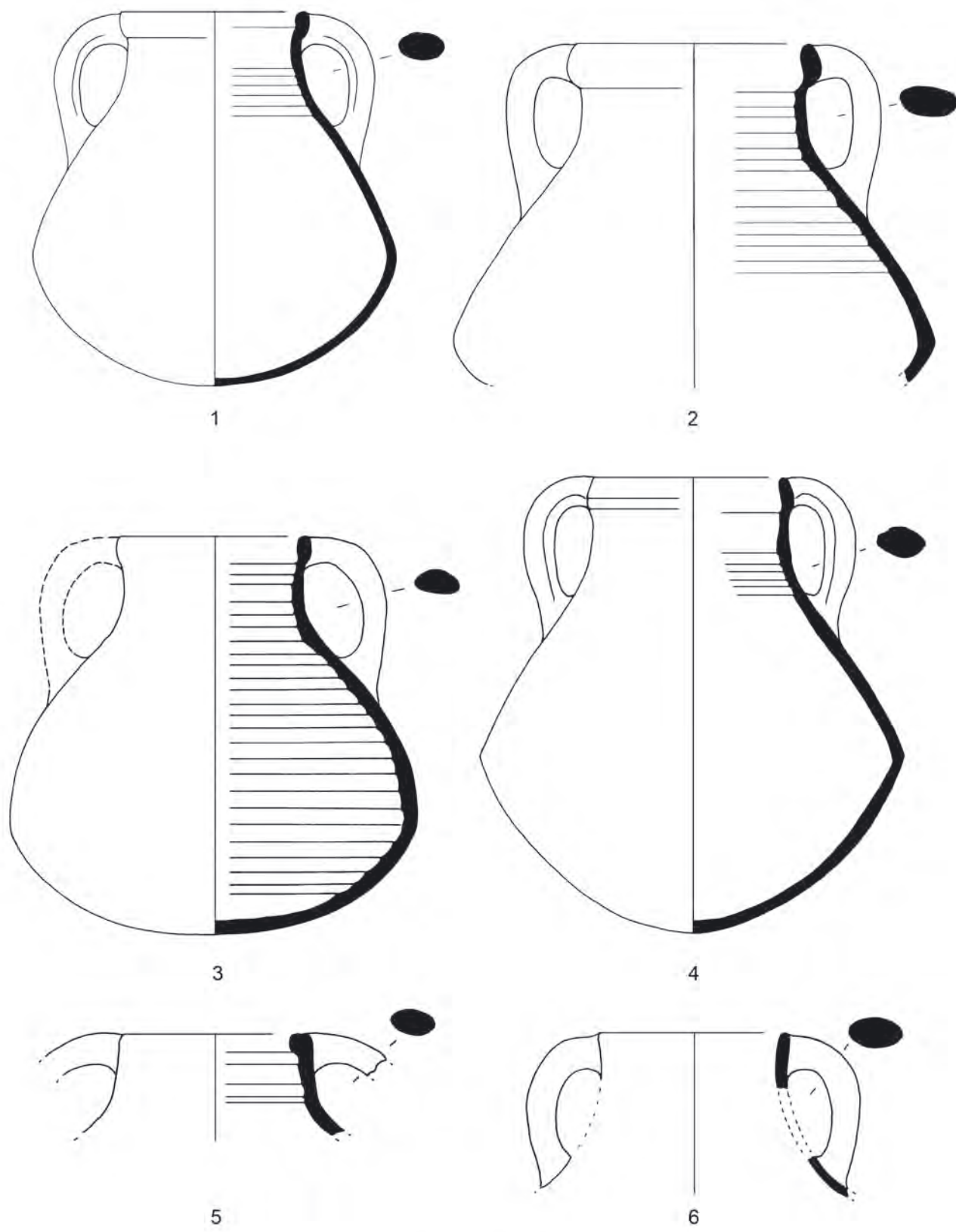


Fig. 338 Pottery from Phase IX, Area 9 East

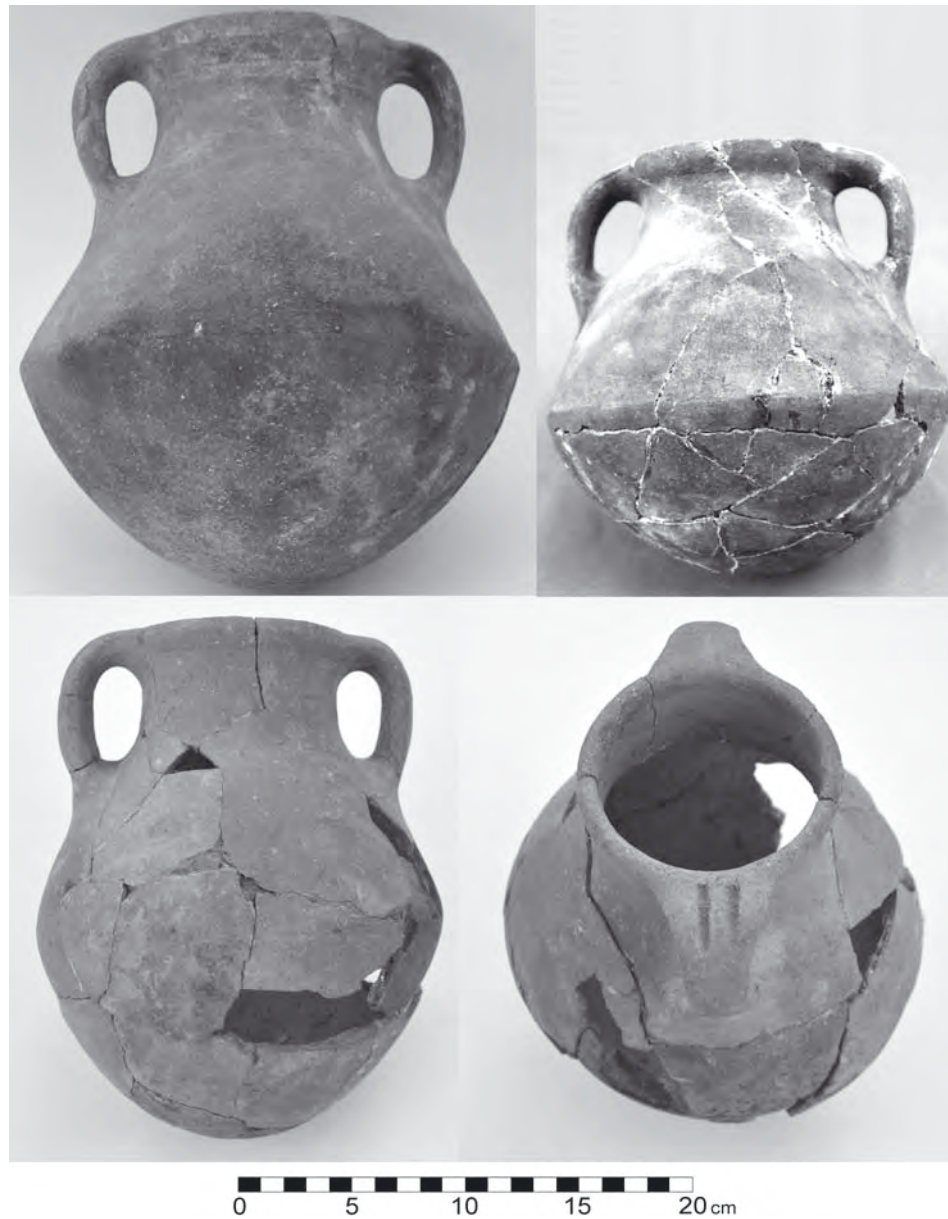


Fig. 339 Two cooking jugs from Phase IX, Area 9 East: N1457 (upper left) from Room 21B; N1399 (upper right) from Room 4; cf. the similar shape of jug N1430 from Room 18 (two views in lower part of photograph)

337:5	371	-3	Cooking pot, hard-fired, brown fabric, black core, coarse, mainly white inclusions, self slip.	338:3	369	-1	Cooking jug, hard-fired, dark brown fabric, thick dark grey core, coarse, mainly white and grey inclusions, self slip.
337:6	369	-5	Cooking pot, hard-fired, brown fabric, thick dark grey core, coarse, mainly white inclusions, self slip.	338:4	395	N1457	Cooking jug, hard-fired, brownish-red fabric, dark grey core, coarse, mainly white inclusions, orangish-brown slip, traces of soot below belly (see Fig. 339, upper left and 457:10).
Legend for the illustrated pottery from Phase IX, Area 9 East				338:5	354	-3	Cooking jug, hard-fired, dark brown fabric, thick grey core, coarse, black and white inclusions, self slip.
Fig.	Locus	No.	Description	338:6	375	-1	Cooking jug, hard-fired, dark brown fabric, coarse, multicoloured inclusions, self slip.
338:1	252	N1399	Cooking jug, hard-fired, greyish-brown fabric, coarse, mainly quartz inclusions, self slip (see Fig. 339, upper right).				
338:2	240	-1	Cooking jug, hard fired, brown fabric, thick black core, coarse, white inclusions, self slip, finger impression above handle.				



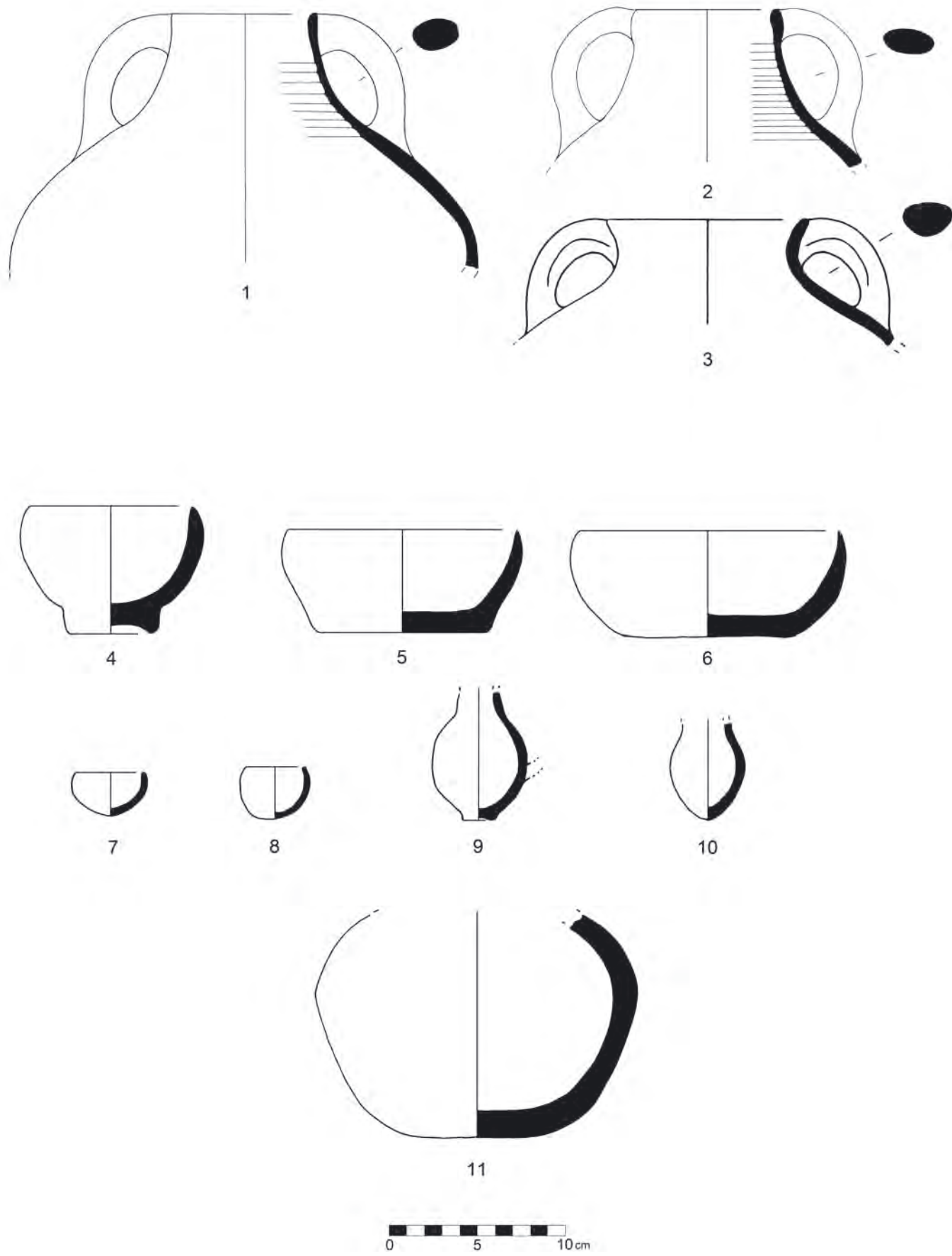


Fig. 340 Pottery from Phase IX, Area 9 East

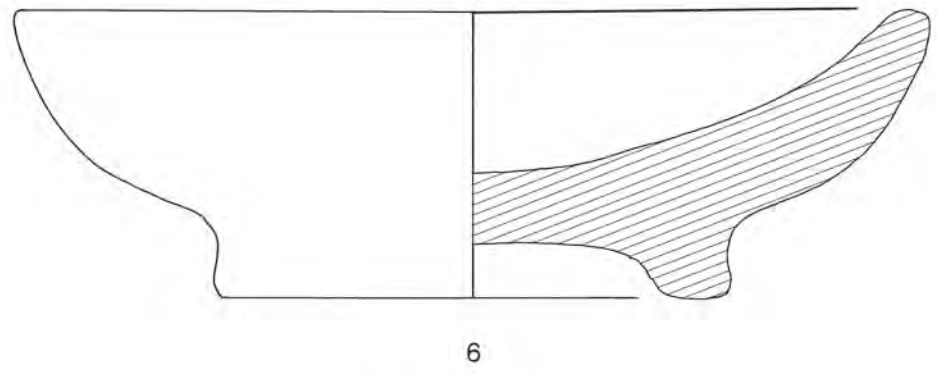
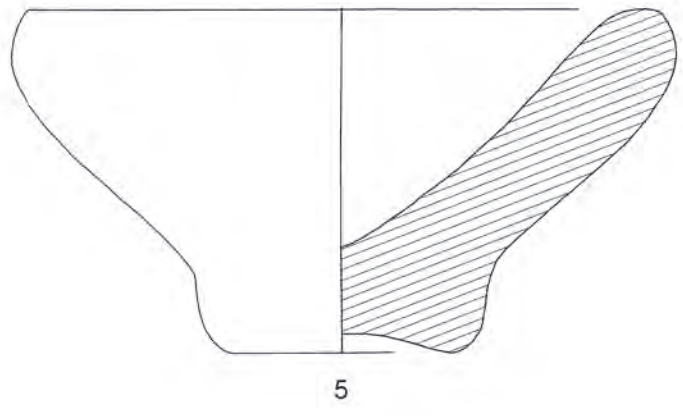
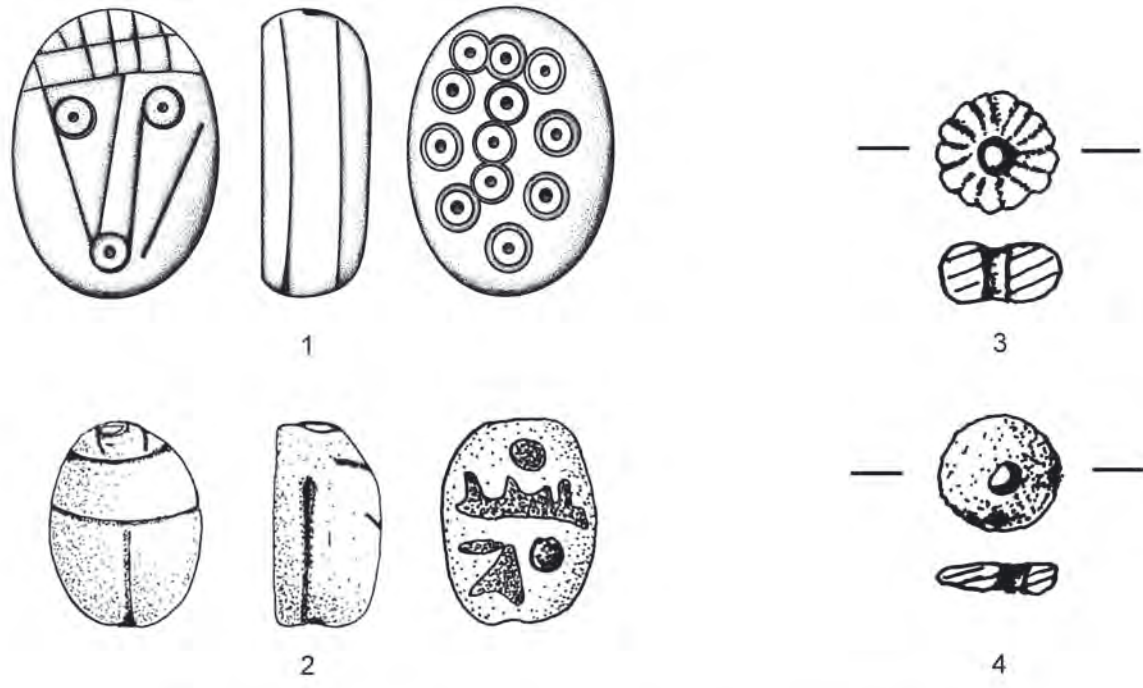


Fig. 341 Finds from Phase IX, Area 9 East

Legend for the illustrated pottery from Phase IX, Area 9 East

Fig.	Locus No.	Description
340:1	268 -2	Cooking jug with two handles, hard-fired, brown fabric, greyish-brown core, coarse, mainly white inclusions, self slip.
340:2	268 -1	Cooking jug with two handles, hard-fired, brown fabric, coarse, mainly white inclusions, self slip.
340:3	249 -3	Cooking jug, hard-fired, dark brown fabric, thick dark grey core, coarse, mainly quartz inclusions, self slip.
340:4	377 N1446	Bowl, hand-made, medium-soft-fired, light brown fabric, fine, light yellow slip, traces of secondary firing.
340:5	397 -2	Bowl, hand-made, medium-soft-fired, dark grey fabric, coarse, white and grey inclusions, self slip.
340:6	391 -1	Bowl, hand-made, medium-soft-fired, dark grey fabric, medium-coarse, white and grey inclusions, self slip.
340:7	358 N1436	Miniature bowl, hand-made, very soft-fired, light greenish-grey fabric, medium-fine, self slip, traces of secondary firing (see also Fig. 272: 4).
340:8	354 N1431	Miniature bowl, hand-made, soft-fired, dark orangish-brown fabric, medium-coarse, multicoloured inclusions, self slip (see also Fig. 272: 3).
340:9	356 N1432	Miniature juglet, hand-made, unfired, dark orangish-brown fabric, medium-coarse, multicoloured inclusions, self slip (see also Fig. 272: 1).
340:10	351 N1429	Miniature juglet, hand-made, unfired, dark brown fabric, medium-coarse, multicoloured inclusions, self slip (see also Fig. 272: 2).
340:11	377 -8	Jug?, hand-made, soft-fired, dark yellowish-brown fabric, medium-coarse, multicoloured inclusions, self slip.

Legend for the illustrated finds from Phase IX, Area 9 East

Fig.	Locus No.	Description
341:1	267 N1388	Scaraboid, steatite, drilled decoration (see Figs. 342, 457:11 and 466:1).
341:2	267 N1389	Scarab, faience (see Figs. 343, 457:12 and 466:2).
341:3	239 N1341	Bead, faience, "Egyptian blue", fluted.
341:4	239 N1343	Bead, carnelian.
341:5	241 -4	Basalt bowl.
341:6	240 N1377	Basalt bowl.

Legend for the illustrated pottery and other finds from Phase IX, Area 9 East

Fig.	Locus No.	Description
344:1	219 N1353	Chalice(?), lamp with handle(?), wheel-made, hard-fired, greyish-brown fabric, coarse, mainly black inclusions, light orange slip.



Fig. 342 Scaraboid N1388 from Room 12, Phase IX, Area 9 East



Fig. 343 Scarab N1389 from Room 12, Phase IX, Area 9 East

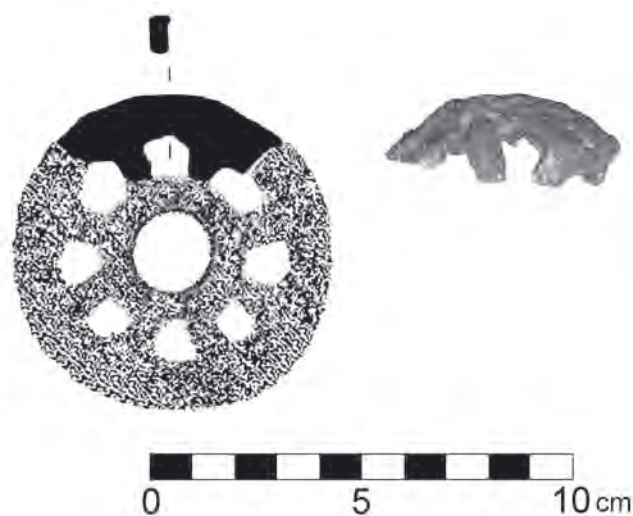


Fig. 345 Bronze wheel L389-2 from Room 21B, Phase IX, Area 9 East (reconstruction to the left)

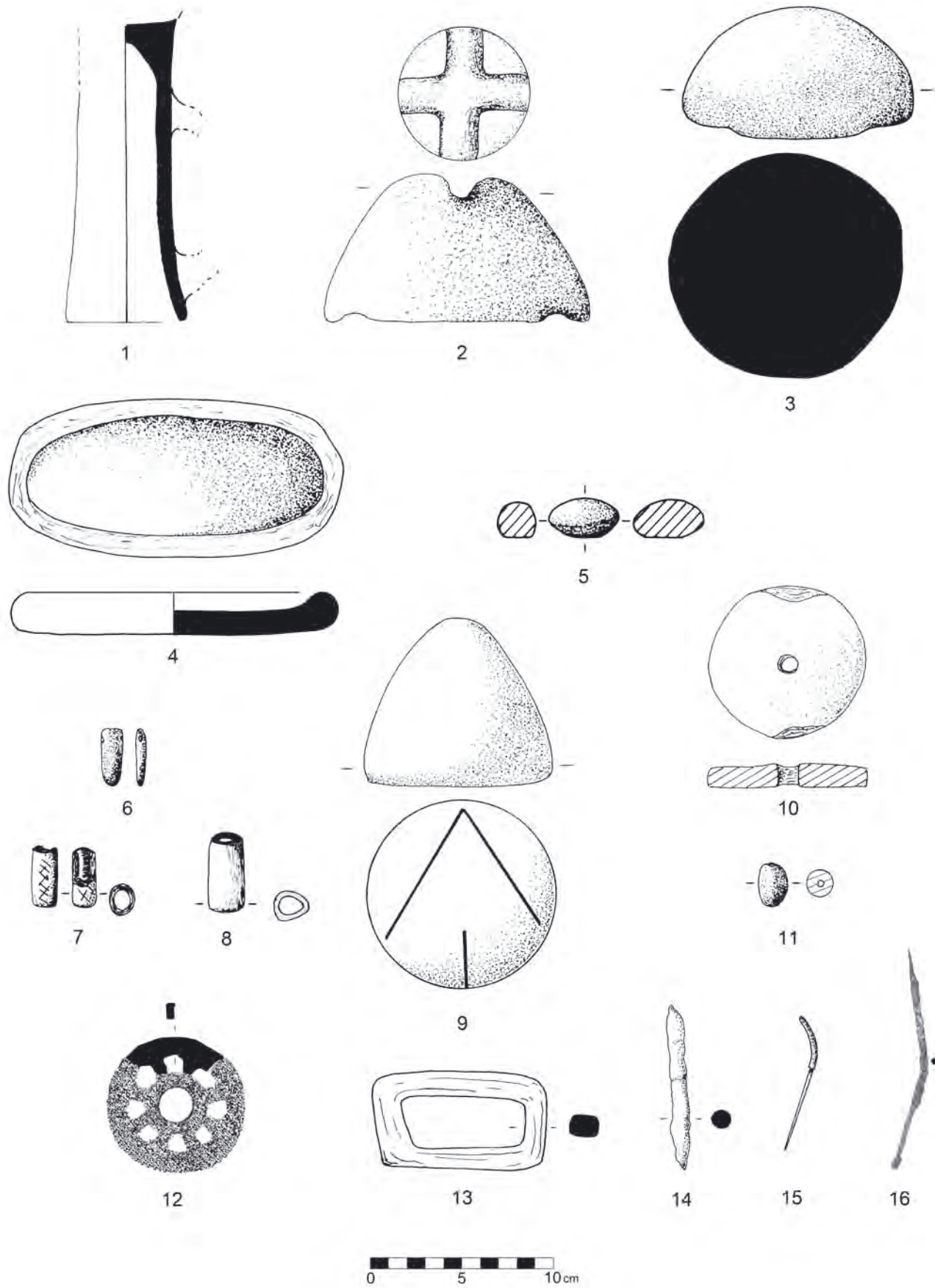


Fig. 344 Pottery and other finds from Phase IX, Area 9 East

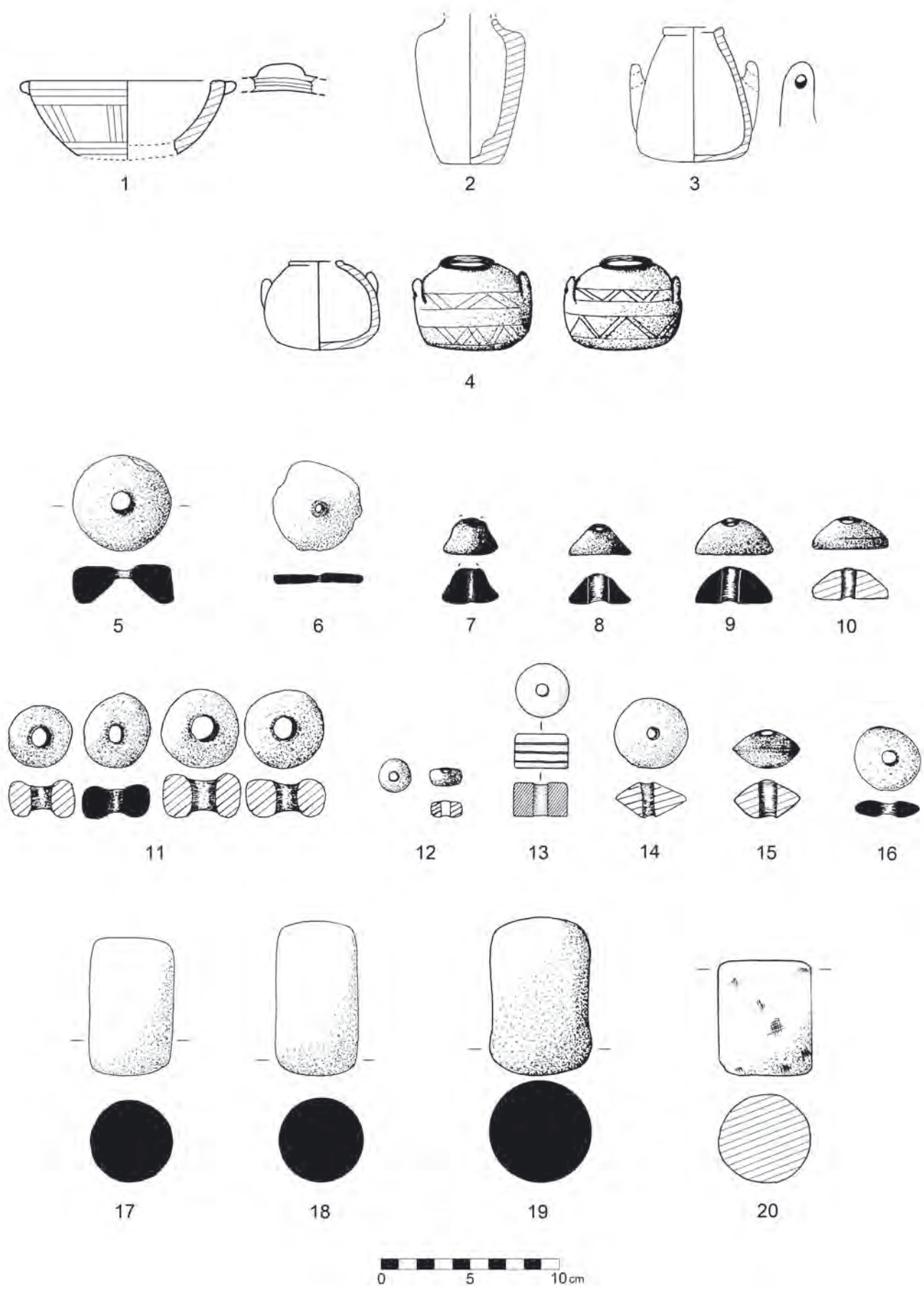


Fig. 346 Finds from Phase IX, Area 9 East



Fig. 347 Juglet of alabaster N1423 from Room 1, Phase IX, Area 9 East

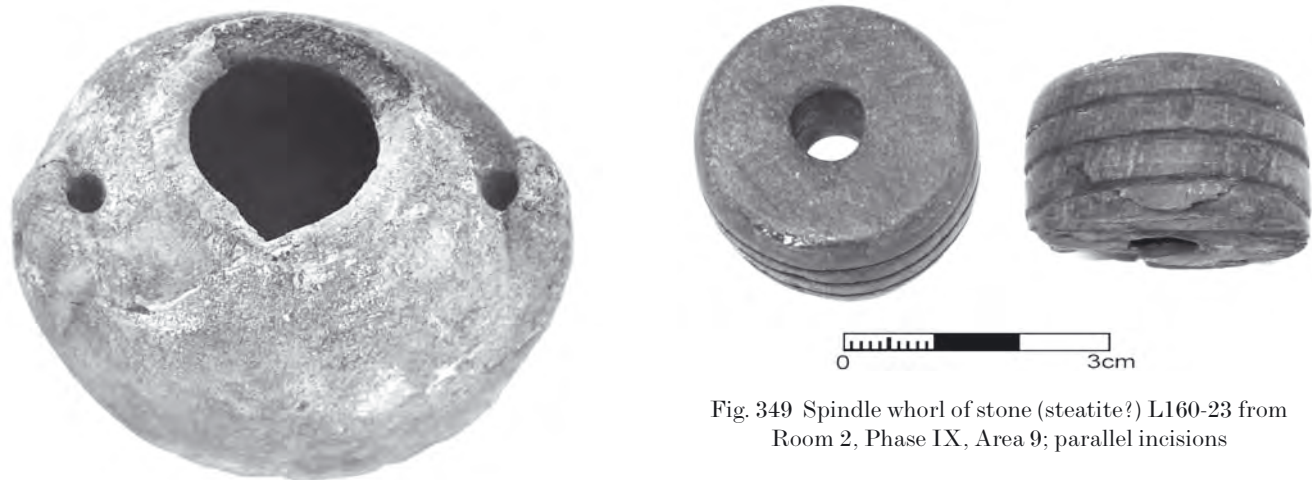


Fig. 349 Spindle whorl of stone (steatite?) L160-23 from Room 2, Phase IX, Area 9; parallel incisions



Fig. 348 Pyxis of alabaster N1435 from Room 18, Phase IX, Area 9 East



Fig. 350 Escutcheon (?) N1370 of copper alloy from Room 12, Phase IX, Area 9 East

344:2	258	N1374	Conical clay lid, hand-made, unfired, light greyish-brown fabric, coarse, self slip, impressed cross on top, line impressions on bottom.
344:3	358	N1438	Clay lid, complete, hand-made, unfired, light brown fabric, coarse, multicoloured inclusions, self slip.
344:4	377	-6	Frying pan, hand-made, unfired, brown fabric, coarse, grey inclusions, self slip, traces of secondary firing.
344:5	371	N1441	Weight, haematite Wt 45.5 g (see Fig. 268).
344:6	395	N1459	Pendant, stone.
344:7	377	N1448	Tube (grip), bone, polished on interior and exterior, incised (see Figs. 269 and 457:14 right).
344:8	359	N1439	Tube (grip), bone, polished on interior and exterior (see Figs. 269 and 457:14 left).
344:9	249	N1369	Conical clay lid, hand-made, unfired; incised decoration in the shape of an arrow.
344:10	258	N1375	Disk, limestone, Wt 124 g.
344:11	388	N1450	Bead (reworked sling bullet?), lead, pierced.
344:12	389	-2	Wheel of bronze with eight spokes (see Fig. 345).
344:13	258	N1370	Stirrup (?), copper alloy, limited corrosion, Wt 220 g (see Fig. 350).
344:14	234	N1336	Spearhead, iron.
344:15	247	N1367	Toggle pin, bronze.
344:16	394	-1	Toggle pin, bronze.

Legend for the illustrated finds from Phase IX, Area 9 East

Fig.	Locus	No.	Description
346:1	358	-1	Bowl, alabaster, incised decoration.
346:2	336	N1423	Juglet, alabaster (see Fig. 347).
346:3	267	N1382	Juglet with lug-handles, alabaster.
346:4	358	N1435	Pyxis, alabaster, incised decoration (see Fig. 348).
346:5	237	N1376	Reused ring-base, medium-hard-fired, light pinkish-orange fabric, greyish-white core, self slip, medium-coarse, dark inclusions, Wt 63.5 g.
346:6	237	N1340	Spindle whorl, clay, hard-fired, grey fabric, medium-fine, self slip, Wt 19.4 g.
346:7	354	N1434	Spindle whorl, clay, hand-made, soft-fired, dark grey fabric, medium-fine, self slip, Wt 9.8 g.
346:8	376	N1445	Spindle whorl, clay, hand-made, medium-hard-fired, light yellowish-brown fabric, medium-fine, self slip, Wt 12.7 g.
346:9	377	N1451	Spindle whorl, clay, hand-made, unfired, dark brown fabric, very coarse, brown and organic inclusions, self slip, Wt 28.3 g.
346:10	376	N1444	Spindle whorl, sandstone, Wt 28.8 g.
346:11	267	N1391	Four spindle whorls, 3 basalt, 1 fired clay with crushed shell inclusions, Wt 1.2–1.5 g.

346:12	377	N1452	Spindle whorl, stone, Wt 4.6 g.
346:13	160	-23	Spindle whorl, stone (steatite?), secondarily fired, Wt 18.5 g (see Figs. 349 and 457:13).
346:14	244	N1363	Spindle whorl, black stone, Wt 28.5 g.
346:15	375	N1443	Spindle whorl, alabaster, Wt 29.8 g.
346:16	174	N1321	Spindle whorl, fired clay, light brown fabric, self slip, Wt 15.2 g.
346:17	244	N1364	Loom weight, spool-shaped, hand-made, unfired, greyish-brown fabric, self slip, Wt 193 g.
346:18	249	N1368	Loom weight, spool-shaped, hand-made, unfired, greyish-brown fabric, self slip, Wt 201 g.
346:19	397	N1458	Loom weight, spool-shaped, hand-made, unfired, greyish-brown fabric, self slip, Wt 348 g.
346:20	208	N1327	Loom weight, spool-shaped/cylindrical, basalt, smoothed surface at edges, Wt 340 g.

Legend for the illustrated finds from Phase IX, Area 9 East

Fig.	Locus	No.	Description
351:1	219	N1354	Pestle, basalt, worn.
351:2	236	N1338	Pestle, stone, Wt 460 g.
351:3	219	N1362	Pestle, basalt, porous.
351:4	332	N1419	Pestle, grey stone.
351:5	356	-1	Pestle, basalt.
351:6	236	N1337	Pestle, basalt, Wt 303 g.
351:7	219	N1330	Pestle, basalt.
351:8	332	N1420	Weight(?), basalt.
351:9	244	-6	Tool, basalt, dice-shaped.
351:10	219	N1329	Pestle, stone, Wt 750 g.
351:11	237	N1345	Pestle, basalt, Wt 401 g.

Legend for the illustrated finds from Phase IX, Area 9 East

Fig.	Locus	No.	Description
352:1	160	-24	Stone bowl, basalt (see Fig. 353).
352:2	160	-19	Grinding stone, basalt.
352:3	258	N1394	Weight, basalt, Wt 750 g.
352:4	377	N1449	Donut-shaped object, basalt, upper side smooth with remains of red pigment, likely related to pottery production, Wt 2805 g.
352:5	395	N1460	Weight, basalt, Wt 1750 g.

Legend for the illustrated figurine from Phase IX, Area 9 East

Fig.	Locus	No.	Description
354	335	N1424	Clay figurine of lion, legs broken off, medium-hard fired, greyish-brown fabric, coarse, mainly black and white inclusions, light reddish-brown slip, red painted (see Figs. 458:6 and 463:2).

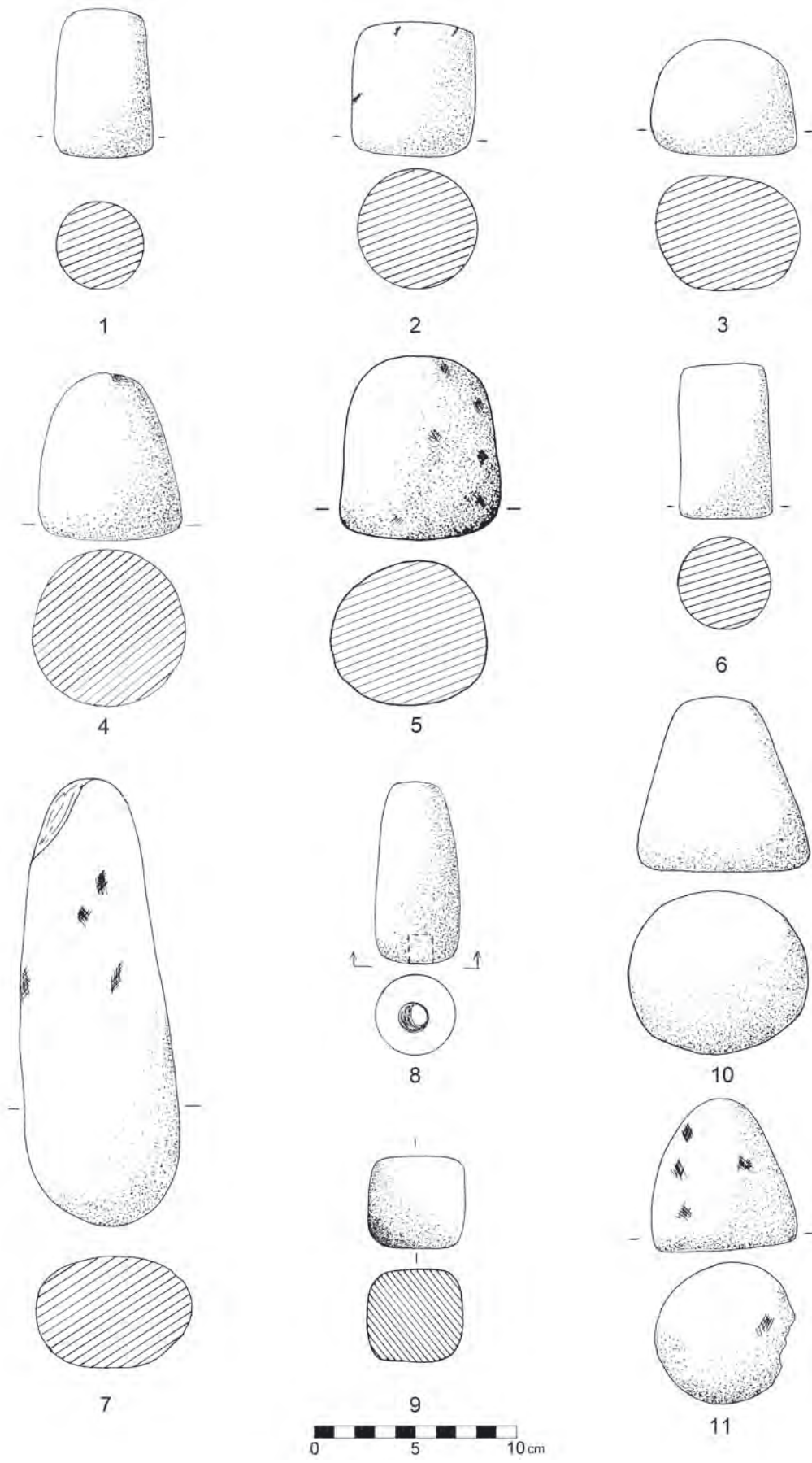


Fig. 351 Finds from Phase IX, Area 9 East



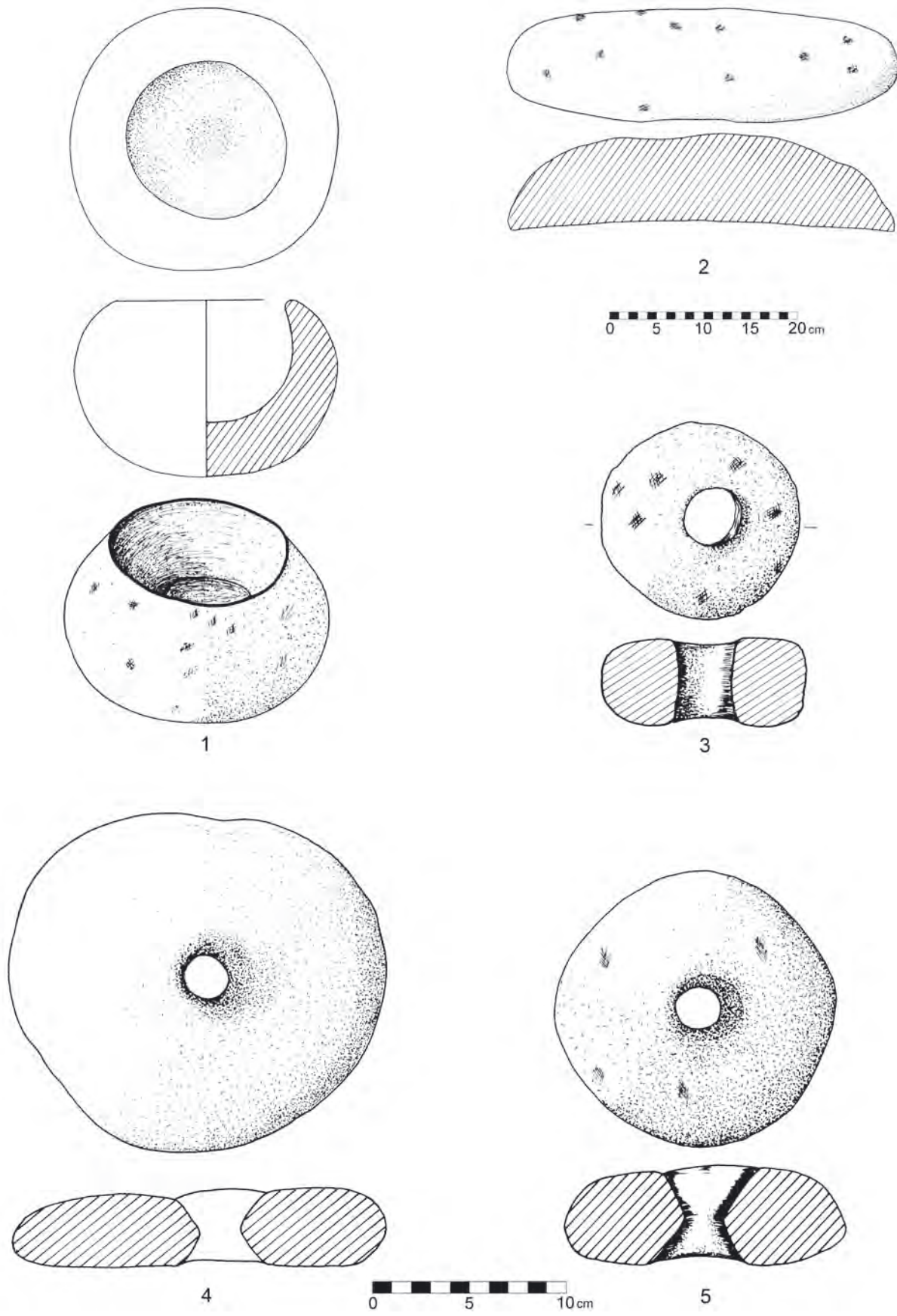


Fig. 352 Finds from Phase IX, Area 9 East

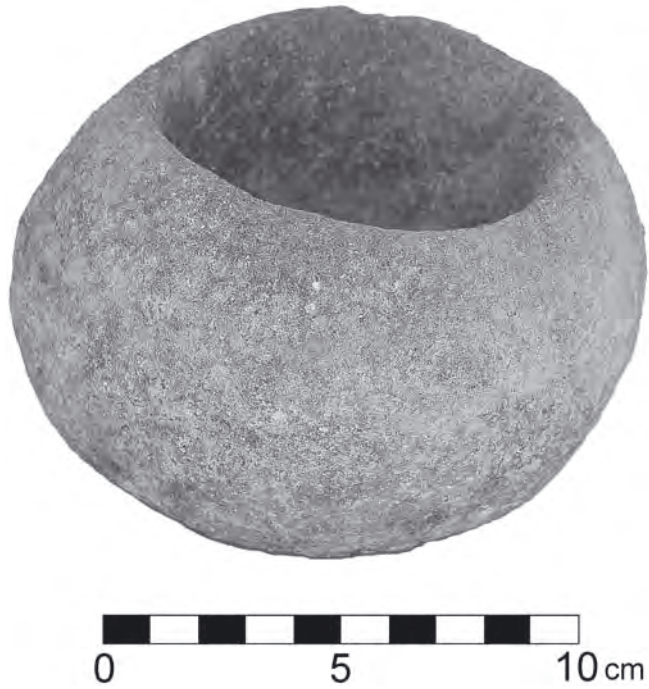


Fig. 353 Bowl of basalt L160-24 from Room 2, Phase IX, Area 9 East

Additional finds from Phase IX, Area 9 East (listed, not illustrated)

Locus No.	Description
219 N1359	Jar, hard-fired, light red fabric, yellowish-brown core, medium-coarse, grey inclusions, yellowish-white slip.
219 N1360	Storage jar, hard-fired, light greyish-brown fabric, grey core, medium-coarse, mainly white inclusions, self slip.
219 N1361	Storage jar, hard-fired, light yellowish-brown fabric, coarse, multicoloured inclusions, light yellowish-brown slip.
236 N1339	Mortar, limestone, d. 20, H 12.5, d. of hole 8.5 cm.
323 N1408	Bead, faience, H 1.7, W 1.0, Th 0.5 cm.
326 N1422	Needle, bronze, L 6.7, Th middle-end 0.7, Th peak 0.2 cm, Wt 4 g.
327 N1413	Basalt weight, conical, polished, H 3.1, d. 3.5 cm, Wt 49 g.
327 N1414	Spindle whorl, bone, conical, H 0.8, d. 3.0 cm, Wt 4.8 g.
327 N1415	Bead, serpentine (?), cylindrical, L 1.5, d. of hole 0.3, d. 0.7 cm, Wt 1.3 g.
330 N1417	Ring, iron, d. 2.1, Th 0.4 cm.
332 N1421	Spearhead, iron, almost complete, corroded, L 11, W 2.9, Th 2 cm, Wt 67 g.
395 N1455	Mortar, basalt, complete, traces of red pigment on interior.

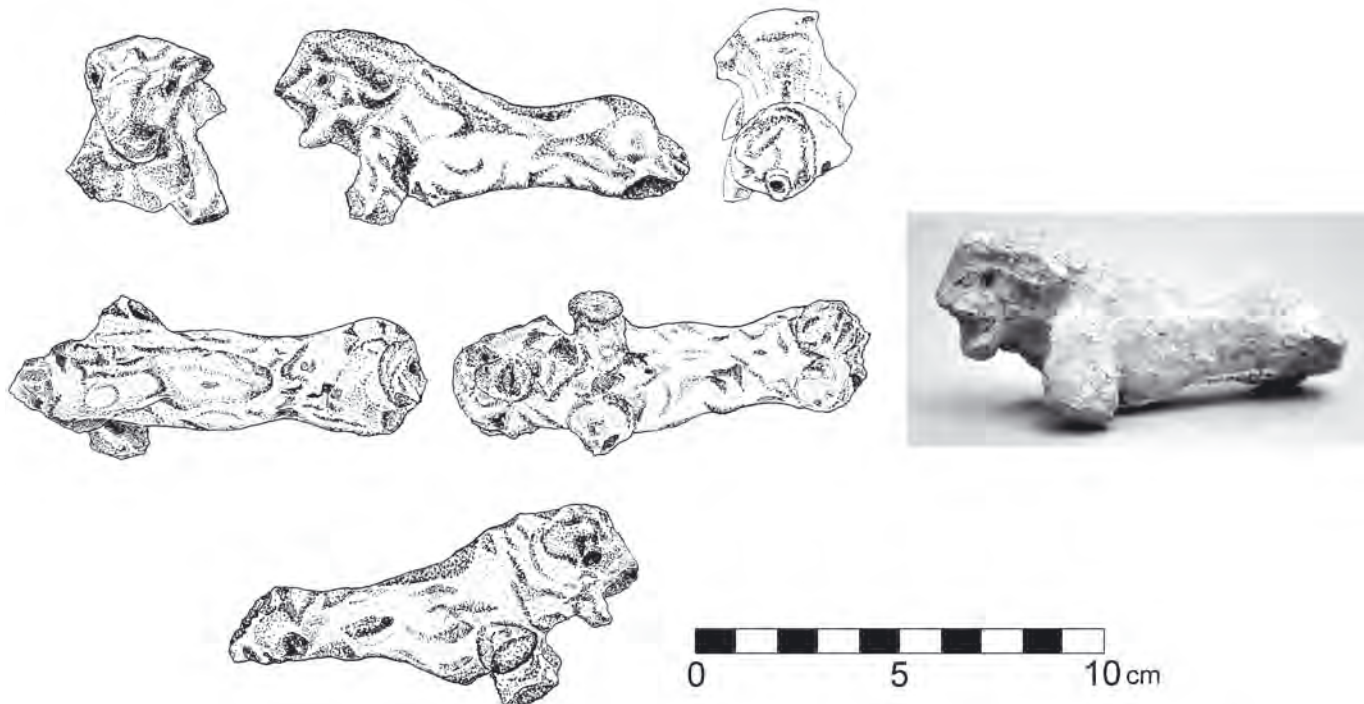


Fig. 354 Figurine from Phase IX, Area 9 East

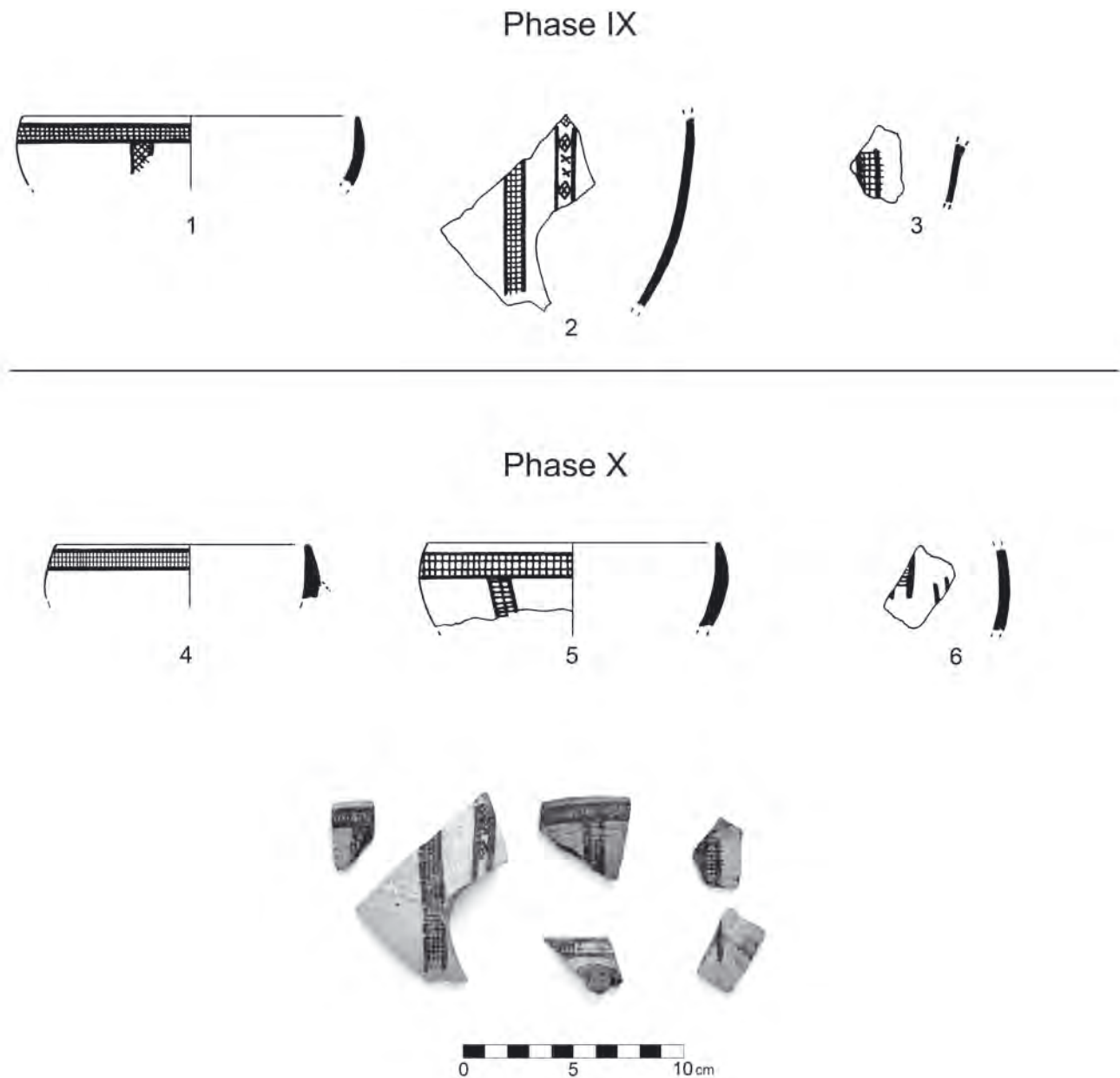


Fig. 355 Residual White Slip II from Phases IX and X, Area 9 East

#### PHASES X AND XI, AREA 9 EAST (Figs. 356–373)

##### Architecture and features

The architecture of these two phases is characterised by the reuse of the upper portions of many of the Phase IX walls in the eastern part of the exposed area. However, it is clear from the sections of the walls that the additional Phase X walls are slightly wider stone or mudbrick walls in comparison to Phase IX. Whereas the structures of the western part were in

use unchanged throughout Phases X and XI, the structures of the eastern part point to two sub-phases, Phase X followed by Phase XI. They are obviously close in time.

There are again two portions: an “annex structure” and a cell-plan structure east of it. The relative proximity of these phases to the surface, especially concerning Phase XI but also Phase X in the western part of Area 9 East, resulted in some disturbance during later periods.<sup>59</sup>

<sup>59</sup> Disturbances are less common in the eastern part.

To the east is a 0.6 m wide wall (W613) of which only the stone foundation remained. Other walls (W669 and W673) are only partially preserved. To the north of W613 are a stone silo, 0.4 m in diameter, and a pierced basalt weight of approximately 2 kg (N1311). Further north are the remains of a *tabun*. Other finds from Phase X include a millstone of basalt (N1409) and a spindle whorl of a reused, pierced, sherd (N1412). We also found numerous lumps of yellow, red, brown and lilac pigments which might have been used, for example, in the production/decoration of pottery.

The next structure to the east is the largest walled space from these phases, viz. 6 m × 5 m large. It is most likely a courtyard which was partly stone-paved. There are three stone-lined Phase X installations along the southern wall (W632) which are associated with the preparation of food. In the north is a dislocated door socket of limestone (Phase XI). On the floor a substantial layer of burned debris and ash was found. Some of the finds certainly derive from more recent strata because of a disturbance (L220 in Fig. 356, and L220' in Fig. 357): the ashy disturbance, approximately 2 m × 2 m in size, is almost in the centre of the courtyard. It was difficult to ascribe with any certainty to the level from which it was dug. What are very likely intrusive finds in Phases X and XI include a Black Juglet (N1323, Phase XI), a plain juglet (N1333; Fig. 364, Phase X), two ceramic spindle whorls of recycled pottery sherds (N1325, Phase XI, N1331, Phase X) and an arrowhead of bronze (N1335, Phase X).

The cell-plan structure of Phase X is now 35.5 m in length (Fig. 356; cf. the 46 m in Phase IX). There are six rooms in the western part (see Fig. 356 A–F) which are covered by debris and ash. They are of varying dimensions, roughly 2–3 m × 2 m. Three of these rooms, C, D and F, are partly stone-paved. Room D is disturbed by a sewer (L196) which also affected to a minor extent Phase IX. The sewer dates to the Abbasid period and functioned as a drain for rainwater from higher up the tell, leading it out of the city through the array of city walls from earlier periods on which W616' is built. Large pieces of a black jar with the typical white Abbasid decoration were found embedded into the sewer. Several of these rooms contained numerous pieces of leather-hard, unfired vessels, mainly larger vessels, which proves local production of pottery. The older sub-phase, Phase X, is especially notable in Room E where two *tawabeen* preceded the kiln of the next phase, Phase XI. There are also installations of clay and a millstone in Phase X, all of which point to the preparation of food.

Room E' of Phase XI revealed quite a large, roughly circular, installation which is most likely a

kiln for firing pottery (Fig. 373). Opposite the kiln is a clay bench and south of it a small fireplace built of mudbricks.

Amongst the finds are a fish hook (N1322, Phase XI), a millstone of basalt (N1324, Phase XI), a limestone mortar (N1385, Room C Phase X), two cylindrical loom weights (N1342, N1344, Room H Phase X), a tool or pendant of terracotta (N1393, Room F Phase X) and a decorated jar with a pattern encircling the entire shoulder (N1401; Fig. 363:6, Room H Phase X). The pattern on the shoulder of the decorated jar gives the impression that the potter tried to imitate a script. According to K. Jaros (email 29 October 2010), the “sign” most frequently appearing resembles that of a *waw*, other signs look a lot like *kaph*, *samech* and *taw*. However, no interpretation is possible so far and it may be that an illiterate potter tried to imitate signs because it is difficult to see it just as decoration: the “decoration” is totally different from other similar vessels, which were much more accurately painted.

The eastern part of the cell-plan compound of Phase X consists of ten rooms (I–R) of which Rooms O and Q are only partly excavated. Seven of these rooms have beaten earth floors whereas Rooms M (Fig. 358), O and Q are stone-paved. The easternmost wall of the compound (W696) is remarkably wider than the others and seems to represent the eastern limits of the compound and possibly the city gate.

Room J was affected by looting in 2009 and only a few *in situ* finds could be secured. In Room K a pit 0.6 m deep (L366) did not reveal any finds. An arrowhead of bronze (N1433) was found next to the pit, and a spindle whorl/loom weight of stone in Room L (N1428). Room N, which was covered by a layer of broken mudbrick debris from the roof construction, and charcoal and ash, contained two skeletons (Fig. 359). These individuals obviously died in the collapsed building. Their bones were blackened by fire. According to the preserved skeletal remains and their teeth one skeleton is male, around 30 years old (Fig. 359 upper part). The other one is female, around 25–30 years old (Fig. 359: lower part). Other finds from this room are a *tabun*, a pestle of basalt (N1440), a jug with Philistine traits (L370-1), a cooking jug (L370-2) and several jars and storage jars (one of them is L370-4). The next room to the east (Room P) contained a spool-shaped, Aegean-type, loom weight of unfired clay (N1447). It should be highlighted that unfired pottery was found in several rooms, which points to local production of pottery also in Phase X.

In Phase XI additional spaces were added to the north of the compound. There is a large open space (J') north of Rooms A', C' and E'. In the south-west-

ern corner of this space were three finds: one is a ceramic spindle whorl (N1326; recycled sherd), and there is a part of a basalt bowl and a partly preserved bronze handle of a sword or a large dagger (N1328). Room I', east of J', is disturbed by a large pit (L310). The eastern part is only represented by scanty architectural remains and a partly preserved *tabun* in the eastern part of the exposed area (see Fig. 360, and the position of the walls in Fig. 446). An interesting find, however, from this area is a jar with red decoration on rim and shoulder (L355-3): Instead of the usual and very regular "framed wavy-line" decoration the wavy line is irregular and almost resembles the imitation of a script (Fig. 371:1; cf. the jar N1401 in L242', Phase X in Fig. 363:6).

#### Interpretation of the material evidence of Phases X and XI

There is once again a domestic compound for the preparation of food, storage and handicraft. Numerous fragments of unfired pottery and the presence of a kiln point to local production of fired earthenware. The partly preserved bronze handle of a sword or a large dagger is the first of its kind from Iron Age Tell Abu al-Kharaz. Nevertheless, Phases X and XI lack the richness of finds and their relative sophistication in comparison with the preceding Phase IX. In addition, finds from both Phases X and XI are quite scarce which may point to looting, viz. that the people who later resettled "cleaned" the area or that the area was looted after a military attack: it is obvious from the thick layer of debris and the ash that Phases X and XI also suffered severe catastrophes. Phase X produced finds which are related to the Philistine sphere of culture whereas such finds are absent in Phase XI.

The disturbance in the western part of Area 9 East (L 220, 220') most likely originates from Phase XII or even later and continues down into Phase X. It consists of ash mixed with clay and sherds of Phoenician provenance. The foundation trench dug for W629 (Phase XII) might also be responsible for this disturbance.

#### Legend for the illustrated pottery from Phase X, Area 9 East<sup>60</sup>

Fig.	Locus	No.	Description
361:1	233	-2	Bowl, hard-fired, greyish-brown fabric, brownish-red burnish exterior.
361:2	220	-1	<i>Bowl, red fabric, thick grey core, medium-fine, multicoloured inclusions, self slip interior, light greenish-grey slip exterior, thin black band decoration on interior.</i>
361:3	202	-1	<i>Bowl, very hard-fired, orange fabric, grey core, medium-fine, self slip.</i>
361:4	215	-2	Bowl, hard-fired, light brown fabric, orangish-red slip interior and exterior, white inclusions.
361:5	215	-5	Bowl, hard-fired, light red fabric, light brownish-grey core, white inclusions, red slip.
361:6	202	-2	<i>Carinated bowl, medium-hard-fired, brownish-grey fabric, coarse, grey and white inclusions, self slip, red paint on rim and exterior.</i>
361:7	215	-1	Bowl, hard-fired, grey fabric, self slip, orange decoration on rim.
361:8	226	-2	Deep carinated bowl with trumpet handle, hard-fired, grey fabric, medium-fine, light greenish-grey slip; ridge below rim.

#### Legend for the illustrated pottery from Phase X, Area 9 East

Fig.	Locus	No.	Description
362:1	226	-1	Goblet/chalice, medium-hard-fired, thin light-red fabric, thick dark grey core, medium-coarse, red slip interior and upper part exterior, self slip on base, decoration of concentric circles with impressed dots.
362:2	215	-6	Chalice/bowl, hard-fired, grey fabric, self slip, orange decoration on rim.
362:3	227	-1	Krater, medium-hard-fired, light red fabric, brown core, grey and white inclusions, self slip.
362:4	215	-3	Krater, hard-fired, brown fabric, grey inclusions, greyish-brown slip.
362:5	202	-3	<i>Krater, medium-hard-fired, light brownish-orange fabric, very coarse, grey inclusions, self slip, red paint interior and exterior.</i>
362:6	230	-7	Krater, medium-hard-fired, light brown fabric, grey core, medium-coarse, light yellowish brown slip, wine-red decoration.

<sup>60</sup> Observe that the illustrated finds from L202 and L220 are from the disturbance in the western part of Area 9 east. This disturbance may possibly emanate from as late as

Phase XII (see above). The descriptions are therefore in italics.

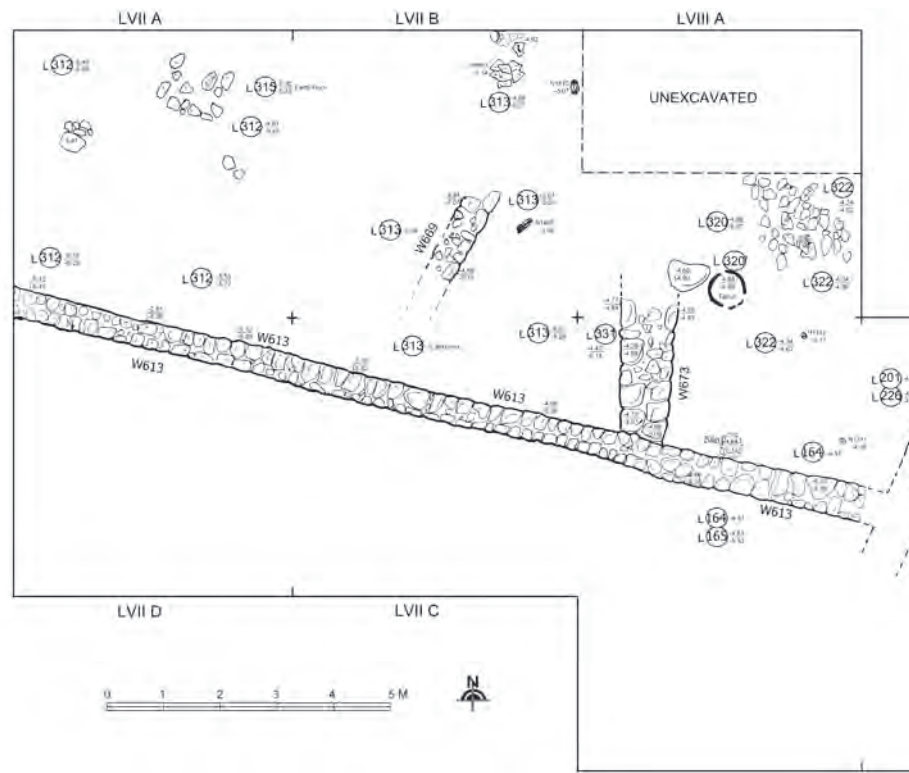


Fig. 356B Plan of Phase X, Area 9 East, western part

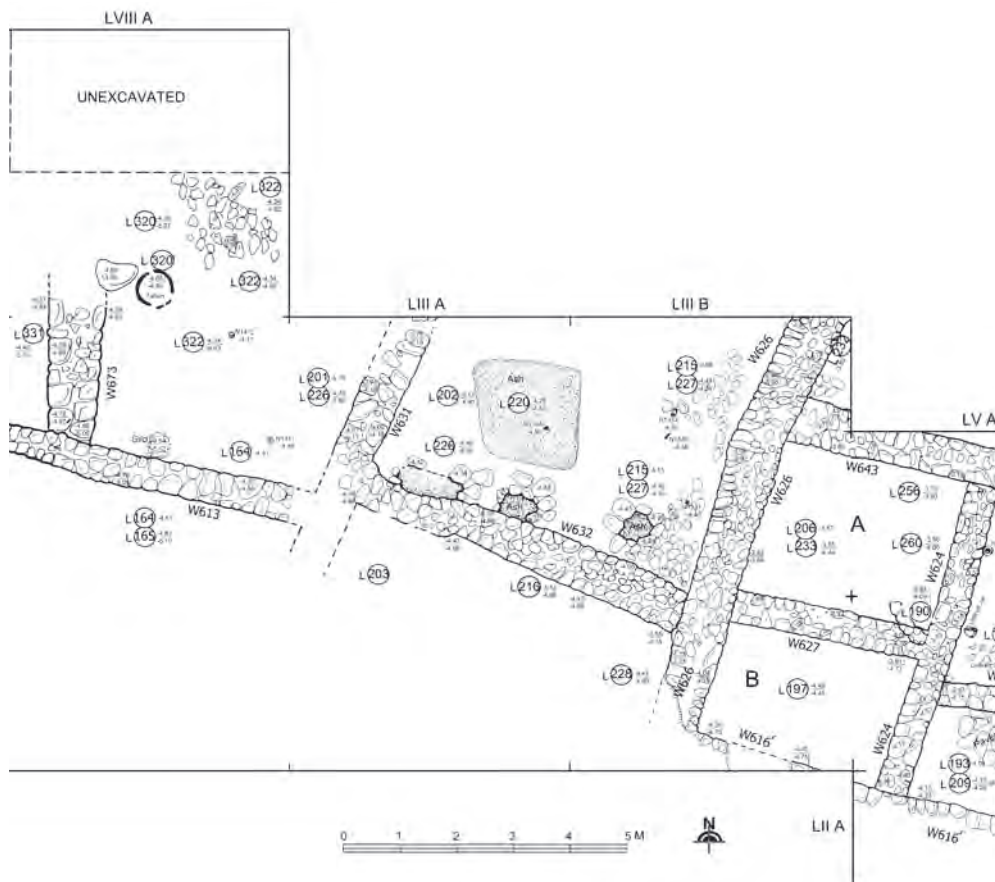


Fig. 356C Plan of Phase X, Area 9 East, western part and Rooms A and B



Fig. 356D Plan of Phase X, Area 9 East, Rooms A-H



Fig. 356E Plan of Phase X, Area 9 East, Rooms G-L

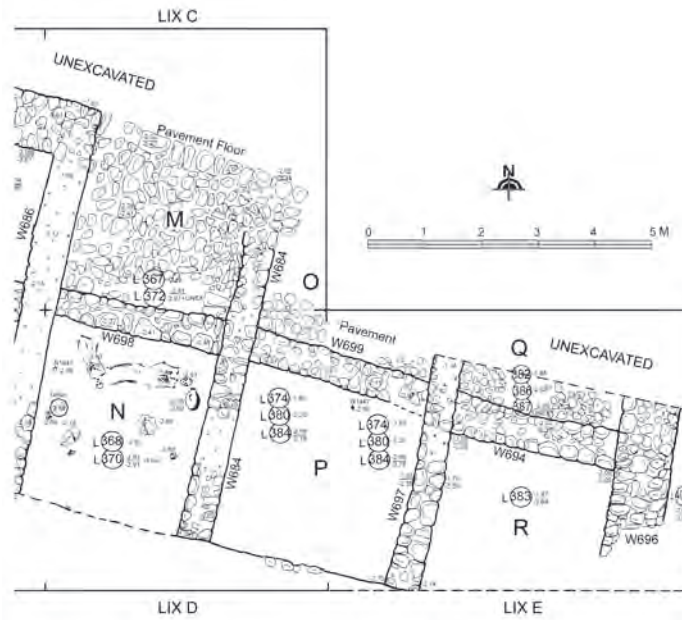


Fig. 356F Plan of Phase X, Area 9 East, Rooms M–R

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
613	0.6	0.4	6			
616	1.0	0.4	2			city wall
619	0.5	2.5	8			only upper part Phase X/XI
620	0.55	2.1	8			only upper part Phase X/XI
624	0.7	1.8	11			only upper part Phase X/XI
626	0.8	1.1	6			
627	0.65	1.4	10			only upper part Phase X/XI
628	0.5	1.4	5	5	i.d.	only upper part Phase X/XI; upper mudbrick part preserved
630	0.45	0.7	3			
631	0.6	0.45	2-3			
632	0.6	0.5	2-3			
633	0.5	0.7	3			
634	0.4	0.3	2			
638	0.6	2.4	9			only upper part Phase X
641	0.65	2.2	9			only upper part Phase X
643	0.7	1.5	10			only upper part Phase X/XI
649	0.7	0.9	7			only upper part Phase X/XI

Table 61 Description of the walls of Phases X and XI, Area 9 East



Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
666	0.7-1.10	0.3	2-3			western part possible bench or reinforcement
669	0.4	0.2	1			disturbed
673	0.6-1.0	0.4	2			
683	0.6	0.3	2			
684	0.55	0.4	2			
685	1.0	0.4	2			
686	0.65	0.3		1-2	i.d.	reused from Phase IX
688	0.5	0.8	4			reused from Phase IX
689	0.5	0.2	1			reused from Phase IX
690	0.65	1.0	4			only upper part Phase X
691	0.65	0.3		1-2	i.d.	reused from Phase IX
692	0.65	0.6	3	1-2	i.d.	only upper part Phase X
694	0.7	0.2	1			
696	0.9	0.7	1-2			
698	0.6	1.4	8			
699	0.6	0.7	3			

Table 61 continued Description of the walls of Phases X and XI, Area 9 East

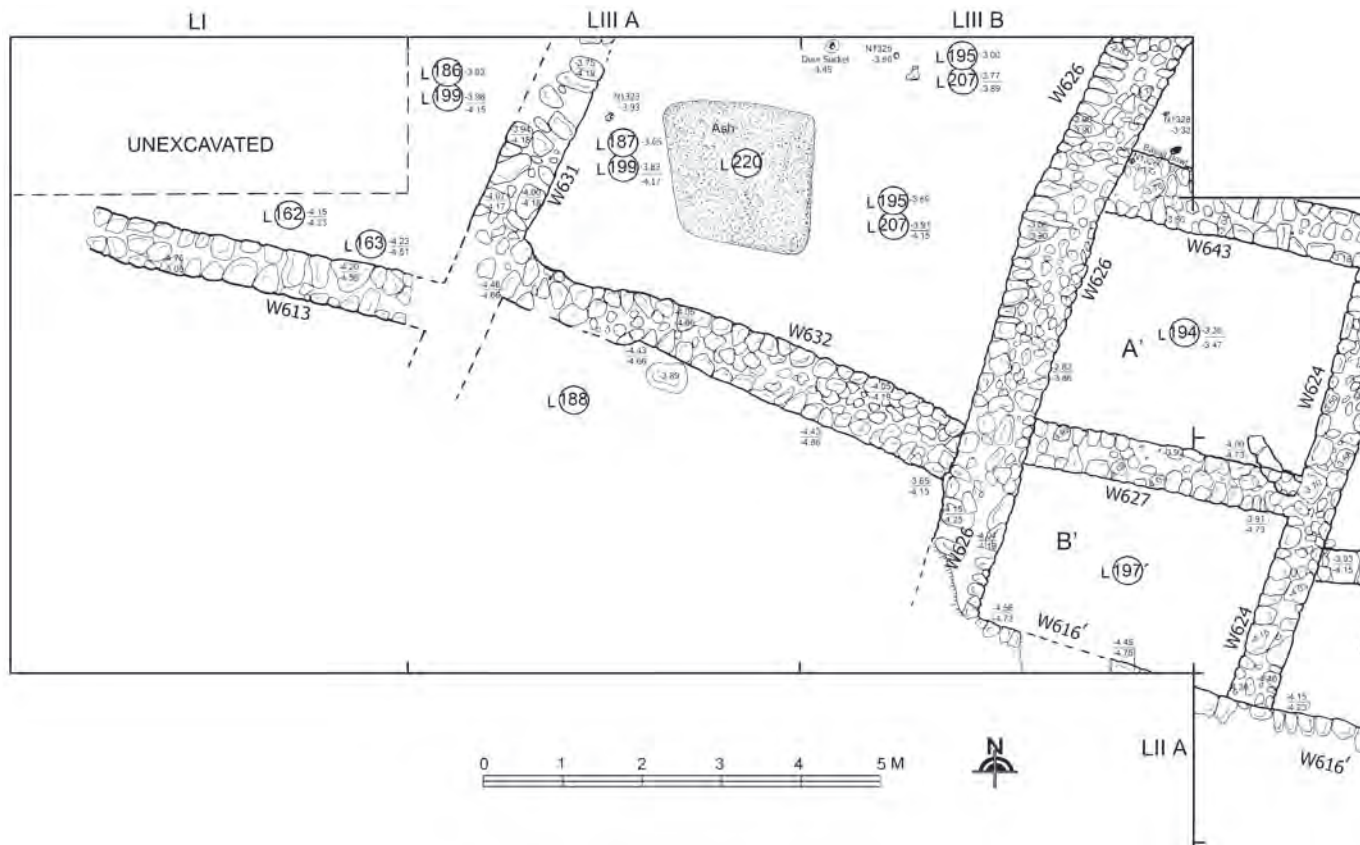


Fig. 357B Plan of Phase XI, Area 9 East, western part

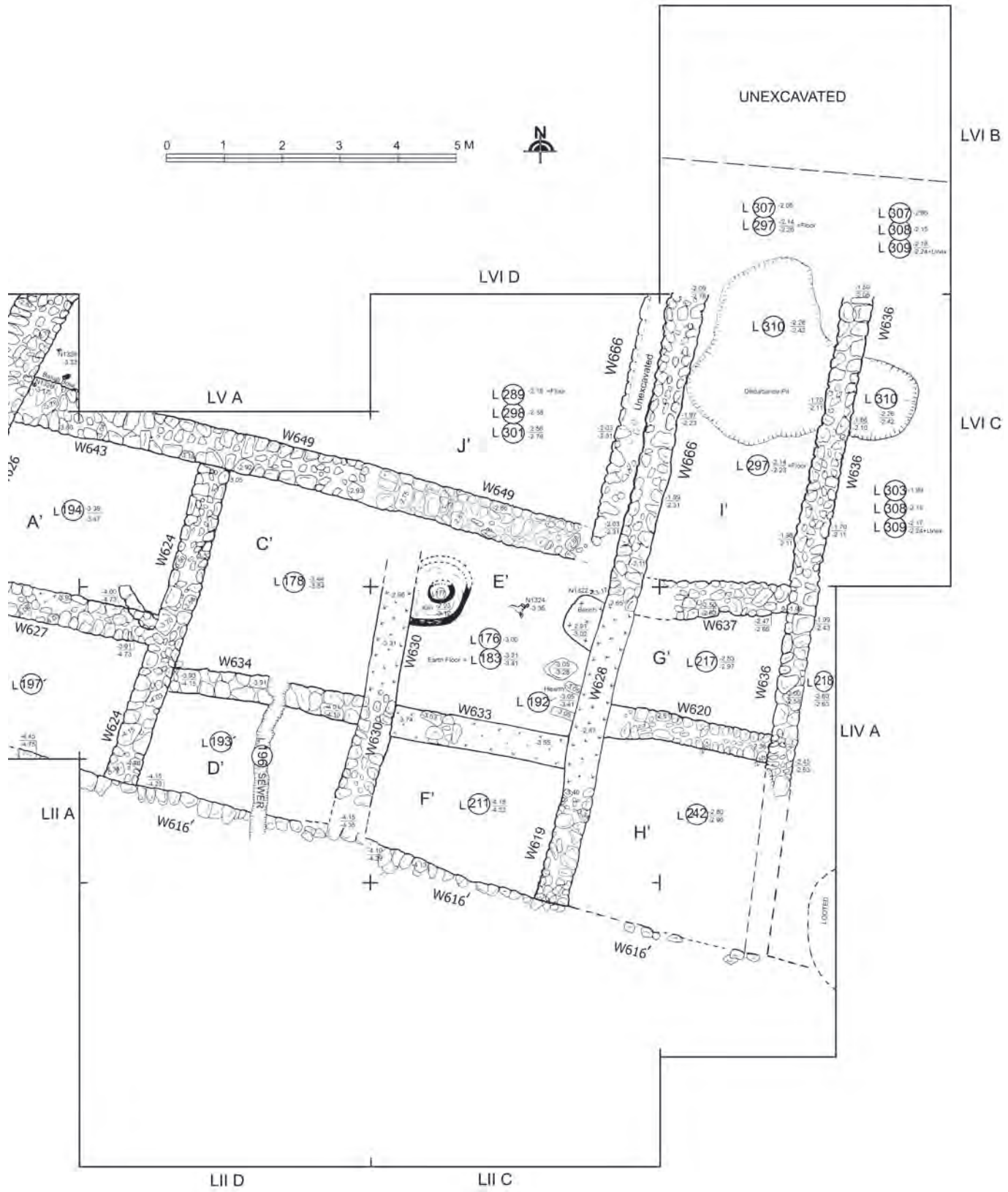


Fig. 357C Plan of Phase XI, Area 9 East, eastern part

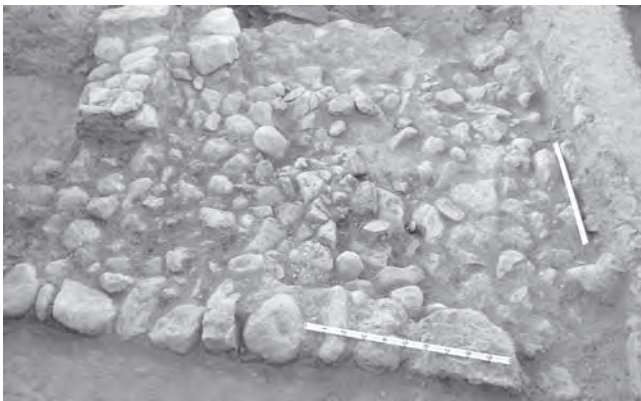


Fig. 358 Stone-paved space (Room M) from Phase X

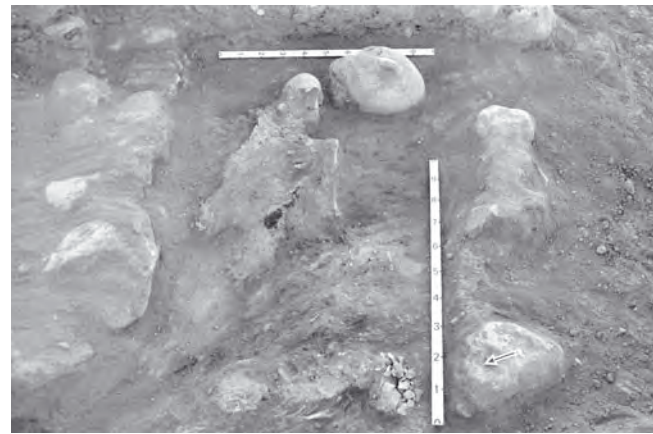


Fig. 359 Female (left) and male skeleton from Room N, Phase X

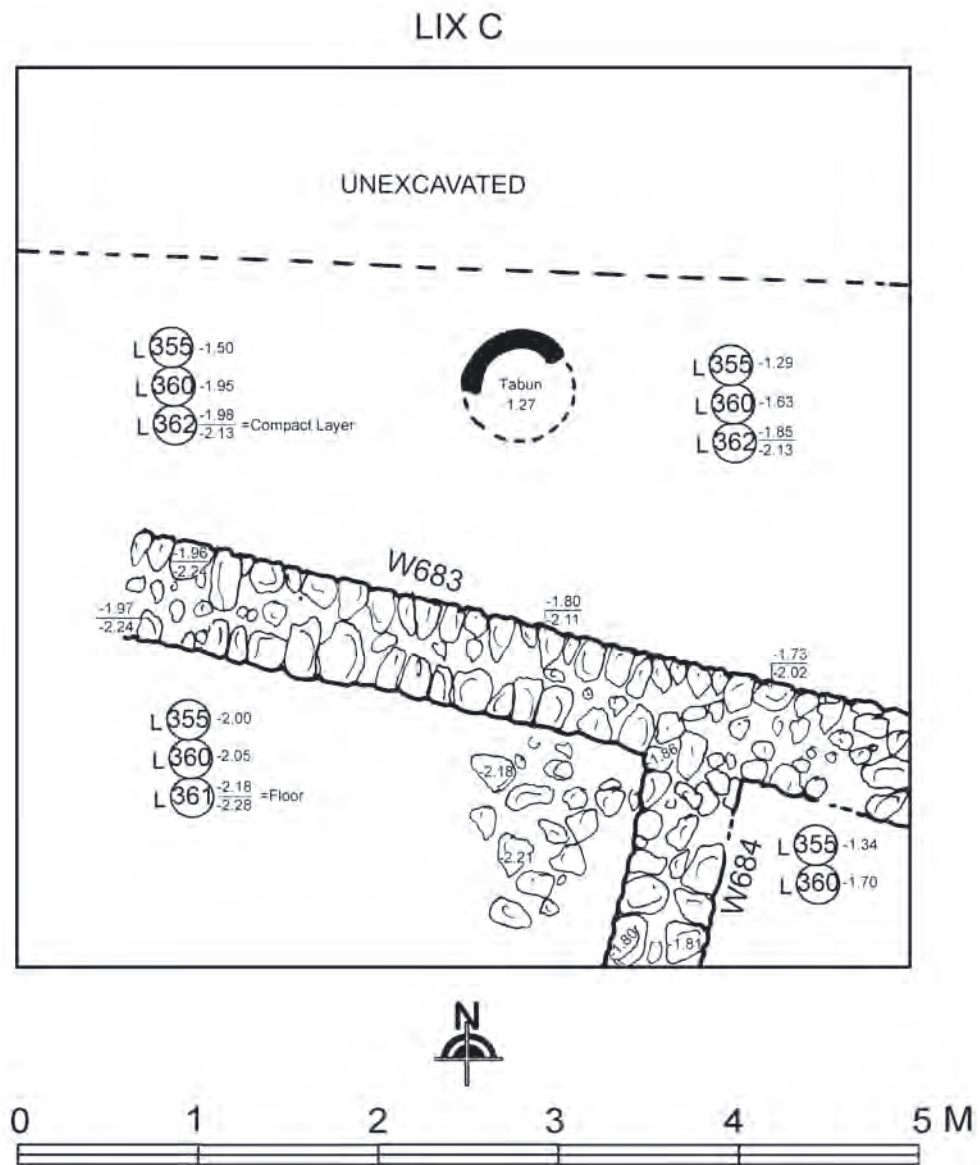


Fig. 360 Plan of Trench LIXC Phase XI, Area 9 East

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
164	fill above floor, o.d.	1	3 k, 1 l, 32 ud		N1311	
165	floor, o.d.	3	2 k, 3 j, 1 sj, 52 ud			
184	loose destruction layer, ash		1 k, 1 j, 2 sj, 40 ud			
190	fill enclosed by row of stones		1 cp			
191	tabun, loose ashy soil, d. 0.8, opening 0.1.	3	-1 cp, -2 ja, 1 k, 1 j, 1 cp, 19 sj			
193	pavement, pottery	6	1 b, 1 k, 1 sj, 24 ud			
197	surface, o.d.	1	-1 cp, 2 j, 4 sj, 95 ud			
198	destruction layer, pebbles	9	2 k, 3 j, 3 sj, 2 cp, 136 ud			
200	small pit below hearth	4	1 bjl, 1 sj, 40 ud			
201	fill, sandy soil, o.d.	1	-1 jl, 1 sj, 17 ud			
202	fill, sandy soil, o.d.	2	-1 b, -2 cb, -3 k, 8 b, 1 k, 3 j, 1 dt, 1 bjl, 3 sj, 1 cp, 149 ud			
203	fill, loose, sandy	1	2 k, 3 j, 73 ud			
204	floor, hard-packed, o.d.		1 jl, 1 l, 4 sj, 86 ud			
205	pit, d. 1.2, ash, charcoal, loose	1 ud	1 b, 4 j, 1 cp, 126 ud			
206	ash, charcoal, clay, pebbles	19	-2 cp, -3 sj, 3 j, 1 jl, 5 ja, 10 sj, 1 cp, 164 ud		-1	
209	pavement					
211'	pavement, pottery	7	-1 sj, 1 b, 1 k, 3 j, 1 pyx, 1 l, 16 sj, 351 ud		N1393	
215	destruction debris, mud-brick, charcoal	30	-1 b, -2 b, -3 k, -4 Phoen j, -5 b, -6 c, 3 b, 2 cb, 5 k, 4 j, 1 dt, 2 jl, 1 ja, 5 sj, 2 cp, 131 ud			
220	much ash and sherds	2	-1 b, -2 cp, 2 b, 2 k, 3 j, 1 l, 1 sj, 3 cp, 113 ud		N1334	disturbance
221	loose, soft soil, fallen stones	1	-1 cp, 1 j, 2 sj, 23 ud			
222	mudbrick, stones, sherds	11	-1 cp, 1 k, 2 j, 1 sj, 1 cp, 79 ud			
223	depression, sherds		2 j, 1 jl, 38 ud			
224	depression, sherds		-1 ja, 1 k, 7 j, 4 sj, 1 cp, 71 ud			
225	hard surface, stones, sherds	1	-1 cp, -2 cp, 1 b, 2 k, 2 j			
226	floor, charcoal, fill	3	-1 g/c, -2 cb, -3 j, -4 j, -5 cp, 13 b, 1 c, 5 k, 6 j, 2 jl, 93 ud			
227	ash, gravel, fill		N1333 jl, -1 k		N1331, N1335	
228	gravel, hard-packed soil	19	3 b, 9 k, 7 j, 1 jl, 3 cp, 155 ud			
232	fill outside compound					not yet excavated
230	mudbrick, pebbles, sherds	8	-1 cp, -2 cp, -3 cp, -4 cp, -5 cp, -6 b, -7 k, 2 b, 1 k, 2 j, 1 jl, 1 hm, 1 ja, 14 sj, 9 cp, 225 ud			
233	ash, charcoal, mudbrick, fill	32	-1 cp, -2 b, 1 b, 1 cb, 5 k, 4 sj, 2 cp, 252 ud			
242'	ash, charcoal, pebbles	3	N1401 ja, 2 sj, 45 ud		N1342, N1344	
256	fill, mudbrick, gravel		1 k, 1 j, 1 sj, 22 ud			

Table 62 Description of the loci of Phase X, Area 9 East

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
257	fill, mudbrick, bones	2	13 ud		N1385	
260	ash, fill	2	1 sj, 6 ud			
312	fill	-1, 6	2 b, 1 c, 1 k, 2 j, 2 sj, 1 l, 81 ud			
313	fill	N1410, N1425, -4... -6, 240	-1 l, -2 k, 1 b, 4 j, 3 ja, 6 sj, 2 cp, 162 ud	12	N1409	
315	earth floor, o.d.	-1, 12	3 j, 2 ja, 48 ud			
320	fill, o.d.	-1, -2, 96	13 b, 1 cb, 12 k, 13 j, 3 ja, 3 sj, 4 cp, 204 ud			
320'	tabun	3	1 cb, 1 j, 17 ud			
322	fill, ash	-1, 35	4 b, 1 c, 6 k, 4 jl, 7 j, 7 sj, 1 l, 2 cp, 287 ud			
331	fill	-1, 116	-2 b, 3 cb, 1 jl, 5 j, 1 ja, 7 sj, 1 cp, 140 ud	1		
342	destruction layer, charcoal, mudbrick	67	-1 ja, 4 k, 1 j, 7 ja, 8 cp, 249 ud	6	N1428	
343	destruction layer, charcoal, mudbrick	36	2 jl, 1 j, 3 ja, 1 sj, 1 l, 3 cp, 114 ud	4		
345	floor of room, mudbrick, ash	-1, 31	1 b, 2 j, 1 ja, 2 cp, 90 ud	1		
353	fill, pebbles, mudbrick	33	2 b, 1 j, 1 cp, 73 ud	5	N1433	
357	fill, o.d.	13	1 j, 1 sj, 2 cp, 68 ud			
366	pit	12	1 j, 52 ud			disturbance
367	stone pavement	18	1 k, 1 j, 2 cp, 23 ud			
368	fill, ash, charcoal, o.d.	8	-1 ja, 1 b, 1 cb, 1 j, 3 ja, 1 sj, 86 ud		N1440	two skeletons
370	floor of room, mudbrick, ash	8	-1 j, -2 cj, -3 cp, -4 ja, 3 b, 2 j, 2 ja, 4 sj, 5 cp, 257 ud			tabun
372	fill below pavement	31	1 b, 1 jl, 2 j, 2 cp, 13 ud			unexcavated
374	fill, charcoal, mudbrick	13	-1 cp, 1 b, 6 j, 1 spj, 8 ja, 1 pyx, 1 cj, 180 ud	8		
380	fill, mudbrick	-1, -2, 35	-1 b, -2 b, -3 cp, -4 ja, 2 b, 1 cb, 5 j, 4 ja, 2 sj, 3 cp, 105 ud		N1447	fragments of tabun
382	fill, pebbles		3 j, 2 ja, 1 cp, 36 ud			
383	fill	18	-1 cp, 2 b, 2 k, 5 j, 5 ja, 1 sj, 3 cp, 1 cj, 289 ud			
384	destruction layer above floor, charcoal, mudbrick	32	-1 cp, -2 cp, 3 b, 1 c, 1 ja, 3 cp, 125 ud			fragments of tabun
386	stone pavement	3	1 ja, 16 ud			
387	fill below pavement	3	1 l, 9 ud			
401	fill, o.d.	3	1 k, 1 jl, 12 ud			
W626	inside wall	4	30 ud			
W627	inside wall		1 b, 1 cp			
W632	inside wall	4	17 ud	1		1 Abbasid sherd
W636	inside wall		1 k, 8 ud			
W685	inside wall	10	1 b, 2 j, 21 ud			

Table 62 continued Description of the loci of Phase X, Area 9 East

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
162	fill above floor, o.d.	5	68 ud			
163	floor, o.d.	1	1 cp, 66 ud			
176	destruction layer, ash, olive stones	26	-1 ja, -2 cp, -3 cp, -4 spj, -5 cp, -6 ja, 1 b, 1 k, 3 j, 1 cp, 100 ud		N1322	associated with L177
177	kiln built of clay	1	1 b, 1 ja, 1 cp, 42 ud			
178	fill, mudbrick, bones	17	1 k, 1 j, 1 jl, 1 ja, 1 cp, 1 funnel, 354 ud			
183	floor, fairly soft and smooth	18	-1 cp, -2 ja, 1 b, 1 k, 1 j, 1 sj, 84 ud		N1324	
186	fill, small stones	2	1 b, 1 k, 1 j	1		
187	fill, mudbricks, o.d.	6	-1 cp, -2 k, -3 cb, 2 b, 1 jl, 1 l, 1 ja, 64 ud			
188	fill, loose, sandy	1	-1 cp, 2 b, 1 k, 1 j, 1 bjl, 1 ja, 1 cp, 105 ud			
192	hearth, lined with clay	1	27 ud			
193'	pavement					
194	clay, sand, mudbrick	1	-1 ja, -2 k, -3 cp, -4 cp, -5 cp, 5 b, 1 k, 5 j, 1 dt, 2 sj, 100 ud		N1326, N1328	
195	clay, sand, mudbrick	47	2 b, 2 cb, 8 k, 6 j, 3 jl, 1 ja, 2 sj, 4 cp, 268 ud			
197'	surface, o.d.					
199	fill, o.d.	4	N1323 jl, -1 k, -2 cp, -3 cb, -4 cb, -5 cp, 7 b, 1 k, 15 j, 1 dt, 1 jl, 1 l, 2 sj, 1 cp, 136 ud		-6	
207	clay, sand, pebbles, charcoal	2	-1 k, -2 ja, -3 cp, 1 b, 3 k, 2 jl, 23 ja, 1 sj, 87 ud		N1325	
211	fill, o.d.					see L211'
217	soil surface	4	2 b, 2 k, 1 sj, 51 ud			
218	loose, soft soil, fallen stones	2	-1 cp, 1 cp, 21 ud			
220'	ash, clay					disturbance
242	ash, charcoal, pebbles	2	5 k, 5 j, 2 jl, 65 ud			
289	fill, ash, pebbles	-3, 29	-1 k, -2 cb, -4 Phoen b, 4 b, 1 cb, 7 k, 1 jl, 6 j, 1 stj, 1 ja, 1 sj, 1 l, 1 cp, 362 ud			
297	floor, o.d.	126	-1 k, 2 b, 3 k, 2 j, 1 sj, 1 cp, 180 ud			unexcavated
298	fill, ash, charcoal, mudbrick, o.d.	14	1 b, 3 k, 1 ja, 1 sj, 2 cp, 156 ud			
301	fill, mudbrick, charcoal, ash, stones, o.d.	-1, 14	10 k, 1 jl, 3 j, 3 ja, 6 sj, 1 cp, 567 ud			
303	fill, pebbles, mudbrick, o.d.	60	7 k, 1 jl, 5 j, 1 ja, 2 sj, 1 lid, 1 cp, 31 ud			
307	fill, o.d.	1	2 b, 1 j, 1 ja, 1 sj, 43 ud			
308	floor, o.d.	10	8 k, 6 j, 80 ud			
309	fill, pebbles, sand, o.d.					unexcavated
310	pit, small stones	33	2 b, 2 k, 1 jl, 1 j, 1 l, 1 kernos, 3 cp, 10 ud			
355	fill, destruction layer, ash, mudbrick	10	-1 cp, -2 cp, -3 ja, 4 b, 13 k, 1 jl, 12 j, 13 ja, 1 pf, 1 pyx, 1 l, 15 cp, 366 ud	3		remains of tabun
360	fill above floor	12	1 b, 12 k, 8 j, 4 ja, 1 pyx, 5 cp, 189 ud			
361	earth floor, charcoal, ash	8	-1 cb, -2 k, 2 jl, 1 j, 2 cp, 51 ud			
362	earth floor	28	1 b, 1 k, 2 j, 35 ud			
W683	inside wall		1 k, 1 ja, 11 ud			

Table 63 Description of the loci of Phase XI, Area 9 East

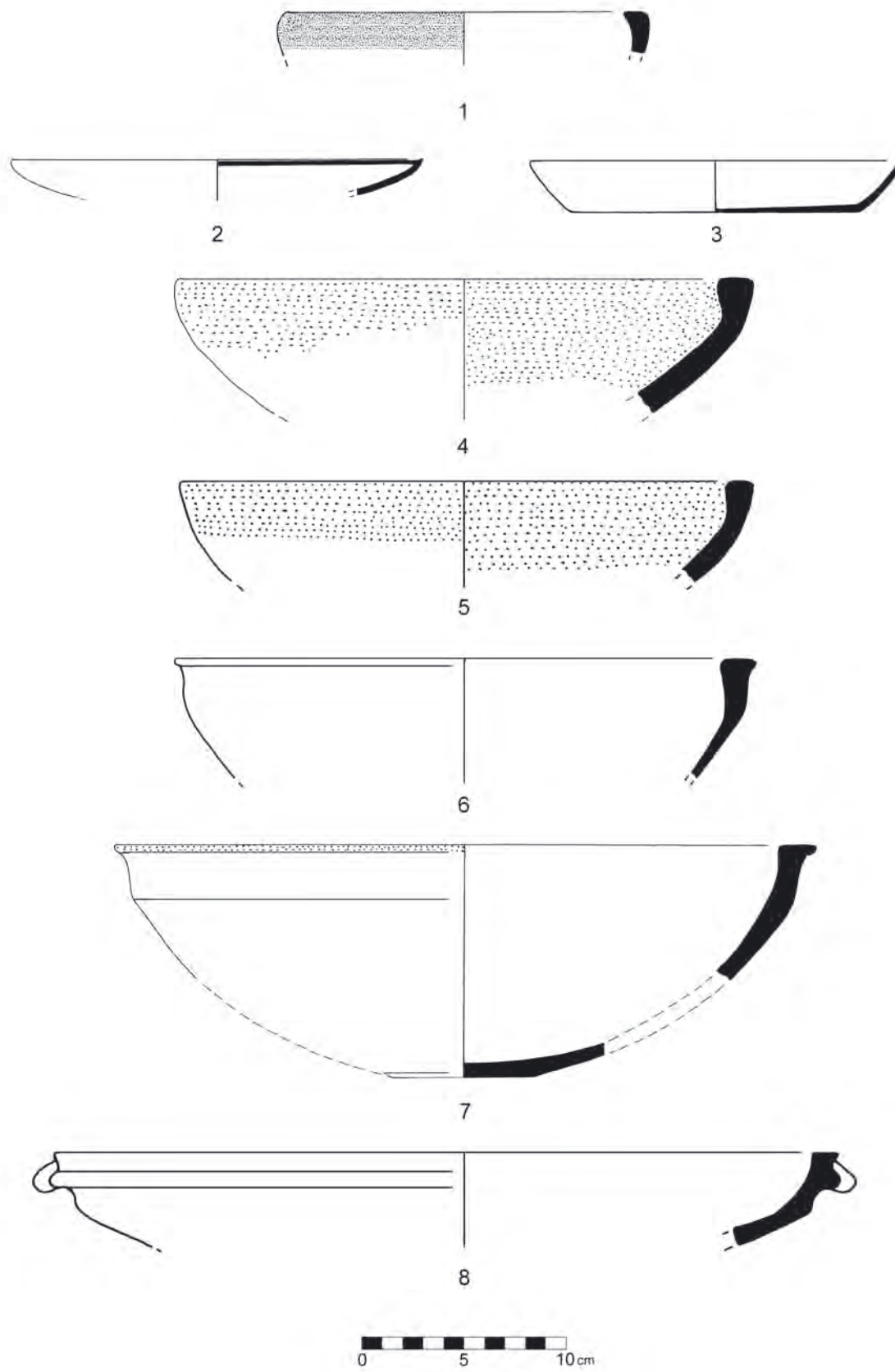


Fig. 361 Pottery from Phase X, Area 9 East

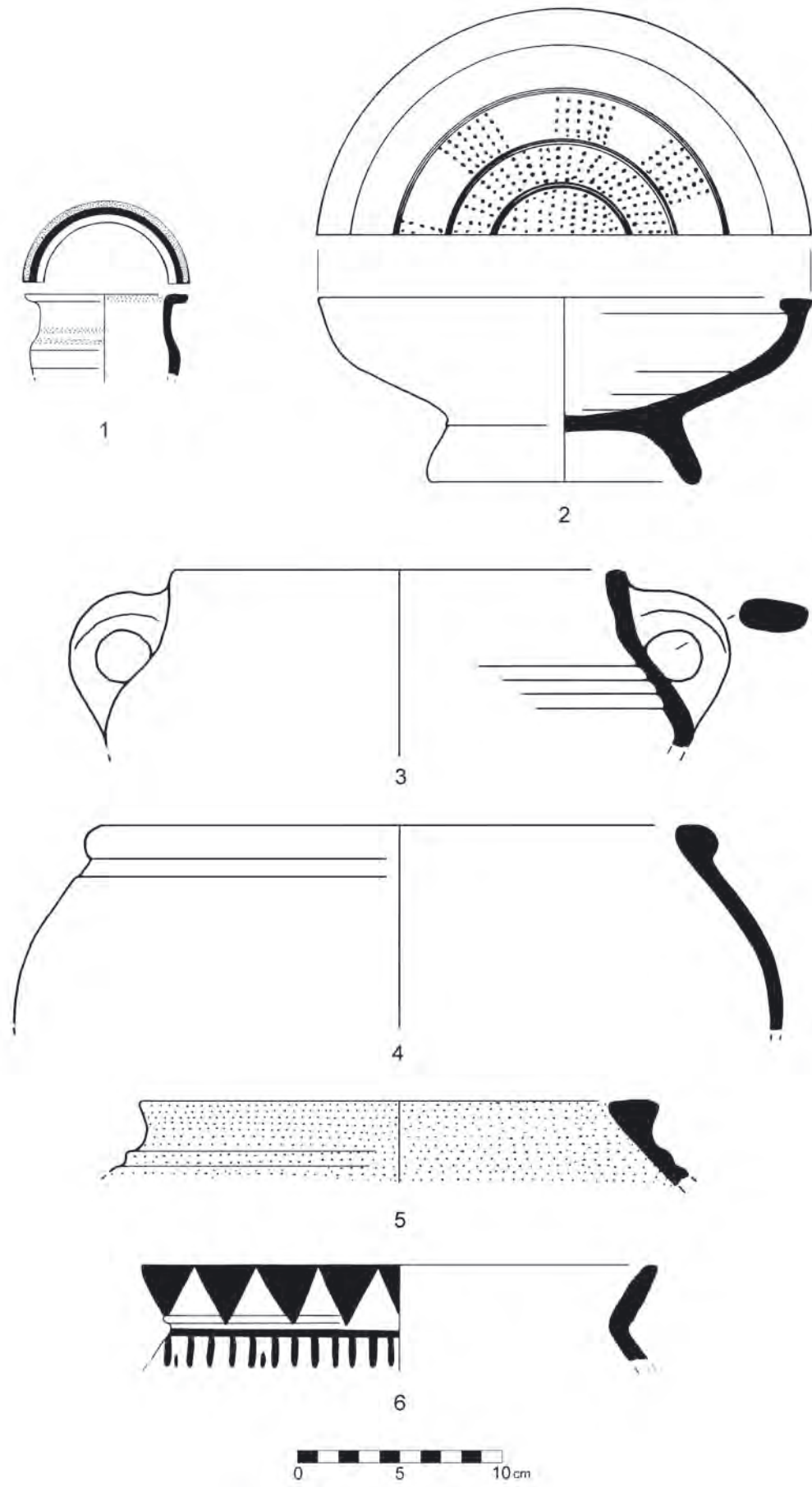


Fig. 362 Pottery from Phase X, Area 9 East



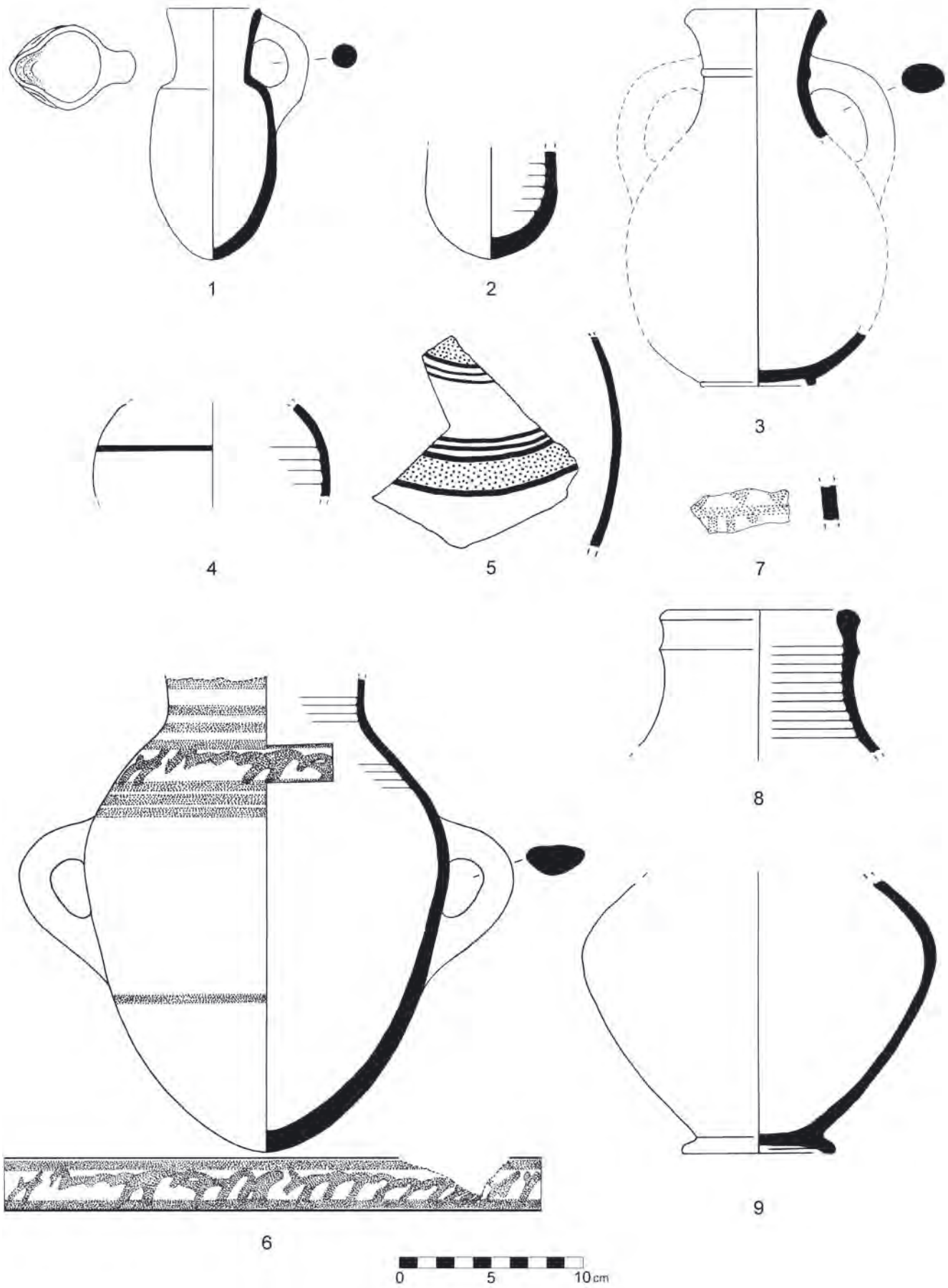


Fig. 363 Pottery from Phase X, Area 9 East

## Legend for the illustrated pottery from Phase X, Area 9 East

Fig.	Locus	No.	Description
363:1	227	N1333	Juglet, hard-fired, light red core, dark grey inclusions, orange slip, traces of red decoration (see Fig. 364).
363:2	201	-1	Juglet, medium-hard-fired, light brown fabric, medium-coarse, traces of red slip, irregular base, reused as cup.
363:3	226	-4	Jug with two handles, hard-fired, light reddish-brown fabric, medium-coarse, multicoloured inclusions, self slip; neck ridge.
363:4	215	-4	Jug, very hard-fired, light grey fabric, light orange slip, dark brown decoration; Phoenician import.
363:5	226	-3	Jug, medium-hard-fired, brownish-yellow fabric, medium-fine, grey inclusions, light orange slip, thick red band and thin black band decoration.
363:6	242'	N1401	Jar, hard-fired, light brownish-yellow fabric, coarse, mainly grey and white inclusions, pinkish-yellow slip, brownish-red decoration, false (?) script on shoulder.
363:7	342	-1	Jug/jar, hard-fired, light yellowish-grey fabric, thick grey core, medium-coarse, multicoloured inclusions, light yellow slip, dark red decoration, burnished.
363:8	380	-4	Jar, hard-fired, light orangish-brown fabric, coarse, grey inclusions, light yellowish-orange slip.
363:9	370	-1	Jug, hard-fired, light greenish-yellow fabric, medium-fine, multicoloured inclusions, light yellow slip, traces of dark red decoration below base and on body, very worn.

## Legend for the illustrated pottery from Phase X, Area 9 East

Fig.	Locus	No.	Description
365:1	191	-2	Jar, hard-fired, grey fabric, medium-coarse, light brown slip, dark red decoration.
365:2	224	-1	Jar, hard-fired, light reddish-brown fabric, medium-coarse, mainly black inclusions, self slip; neck ridge.
365:3	211'	-1	Storage jar, medium-hard-fired, brownish-red fabric, thick grey core, very coarse, mainly grey and white inclusions, yellowish-red/brown slip on interior and exterior.
365:4	206	-3	Storage jar, hard-fired, light greyish-brown fabric, large white inclusions, light yellow patches of paint.
365:5	368	-1	Jar, hard-fired, light yellow fabric, medium-coarse, multicoloured inclusions, light orange slip.

365:6	370	-4	Jar, hard-fired, light orangish-brown fabric, medium-coarse, mainly grey inclusions, yellowish-grey slip, circular impressions on handle.
365:7	313	-1	Lamp, medium-hard-fired, light yellowish-brown fabric, coarse, multicoloured inclusions, self slip.

## Legend for the illustrated pottery from Phase X, Area 9 East

Fig.	Locus	No.	Description
366:1	197	-1	Cooking pot, hard-fired, brown fabric, coarse, white inclusions, brown slip.
366:2	191	-1	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, medium-coarse, white inclusions, self slip.
366:3	230	-4	Cooking pot, hard-fired, dark reddish-brown fabric, grey core, medium-fine, self slip.
366:4	384	-1	Cooking pot, hard-fired, reddish-brown fabric, thick dark grey core, coarse, mainly white inclusions, self slip.



Fig. 364 Juglet N1333 from Phase X, Area 9 East

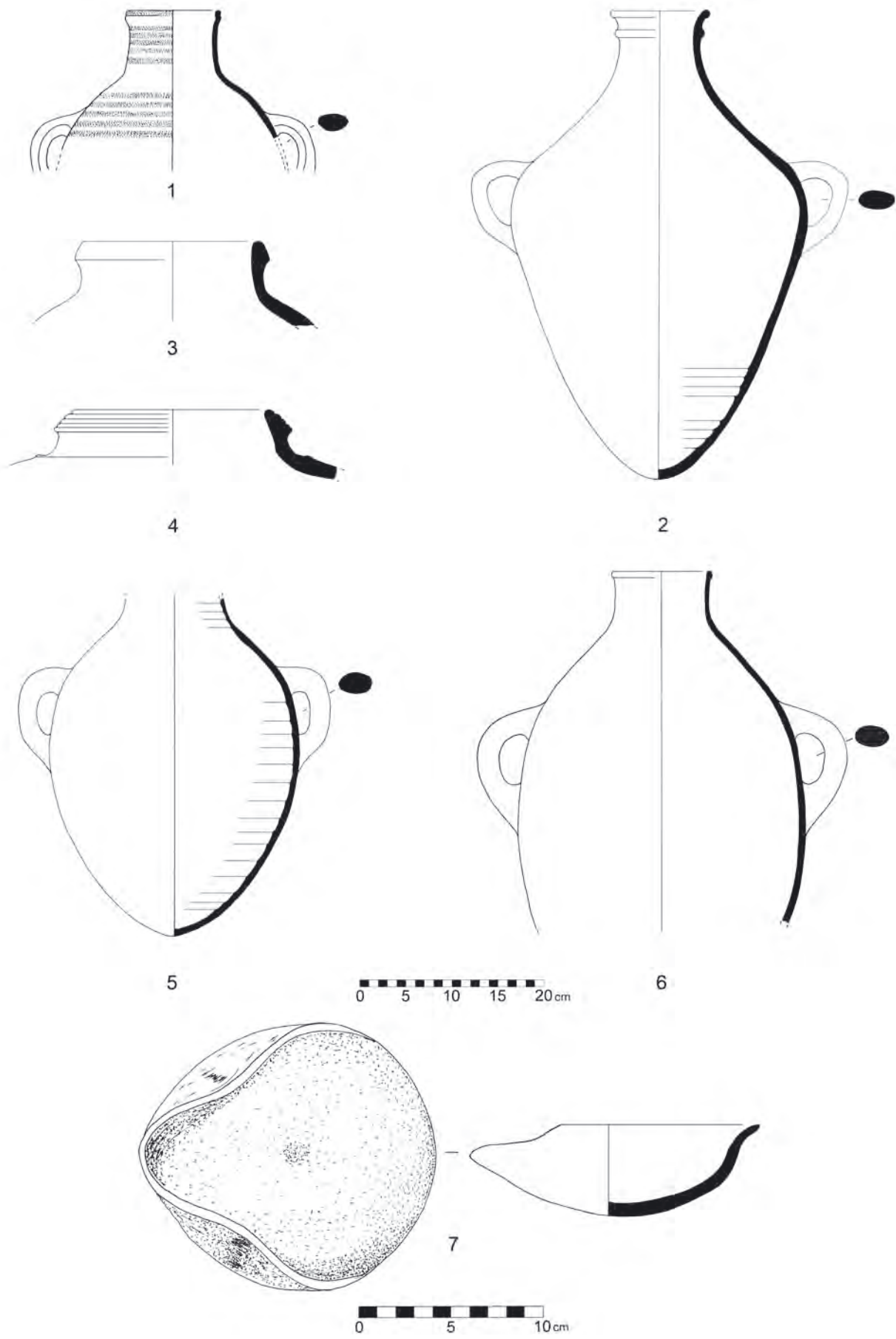


Fig. 365 Pottery from Phase X, Area 9 East

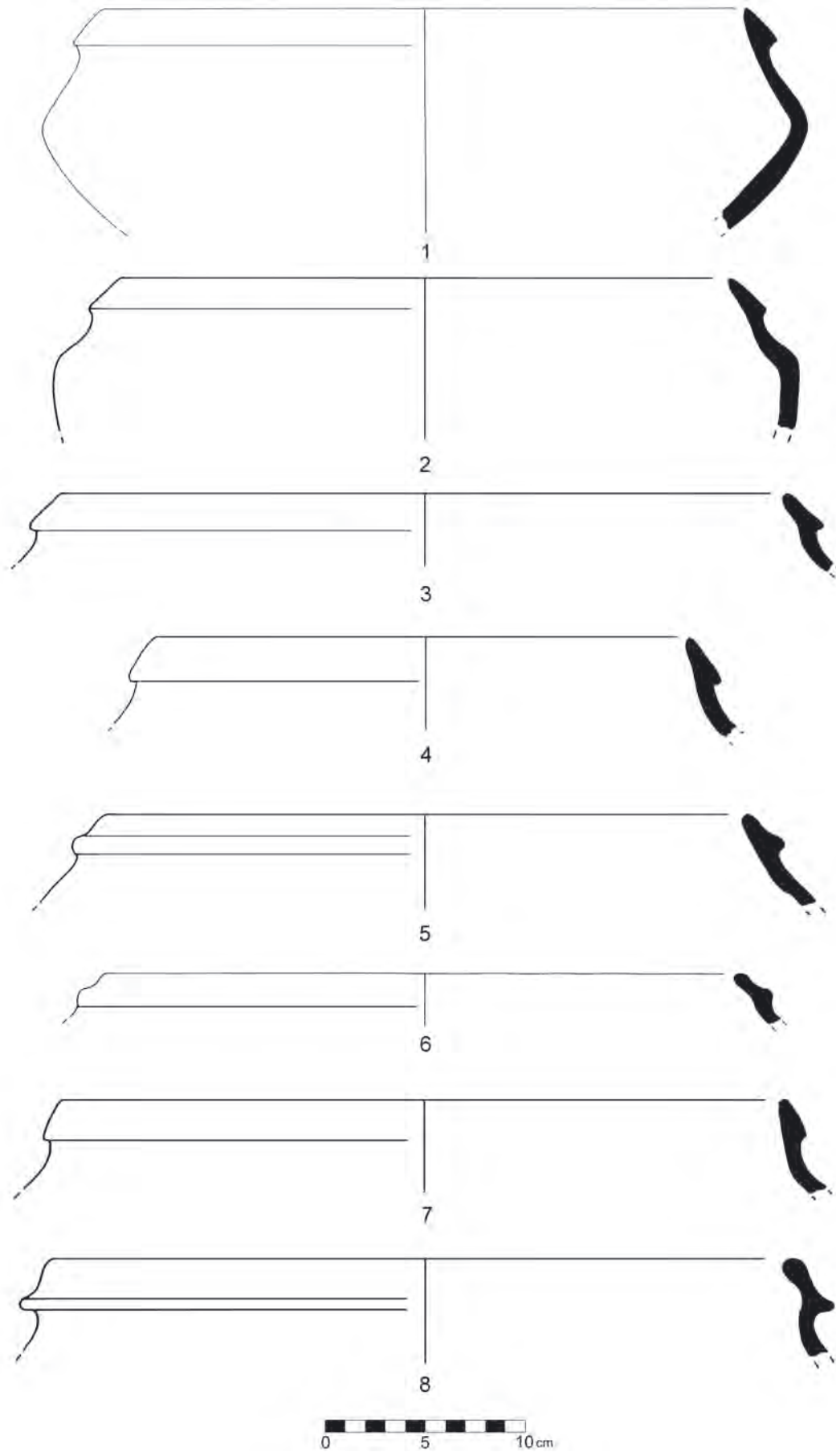


Fig. 366 Pottery from Phase X, Area 9 East

366:5	230	-3	Cooking pot, hard-fired, dark reddish-brown fabric, grey core, medium-fine, self slip.
366:6	233	-1	Cooking pot, hard-fired, grey fabric, light grey inclusions, brown slip.
366:7	230	-5	Cooking pot, hard-fired, brown fabric, grey core, medium-fine, self slip.
366:8	230	-1	Cooking pot, hard-fired, reddish-brown fabric, grey core, medium-coarse, self slip.

Legend for the illustrated pottery from Phase X, Area 9 East

Fig.	Locus	No.	Description
367:1	225	-1	Cooking pot, medium-hard-fired, brown fabric, black core, quartz inclusions, self slip.
367:2	206	-2	Cooking pot, hard-fired, dark brown fabric, dark grey core, white inclusions, self slip.
367:3	225	-2	Cooking pot, medium-hard-fired, brown fabric, black core, quartz inclusions, self slip.
367:4	380	-3	Cooking pot, hard-fired, dark brown fabric, thick grey core, coarse, mainly white inclusions, reddish-brown slip.
367:5	383	-1	Cooking pot, hard-fired, dark reddish-brown fabric, dark grey core, medium-coarse, mainly white inclusions, self slip.
367:6	222	-1	Cooking pot, hard-fired, brownish-red fabric, medium-coarse, self slip; incisions and impressions on rim.

Legend for the illustrated pottery from Phase X, Area 9 East

Fig.	Locus	No.	Description
368:1	220	-2	<i>Cooking pot, hard-fired, light brownish-red fabric, grey core, medium-coarse, white and black inclusions, self slip.</i>
368:2	226	-5	Cooking pot, hard-fired, grey fabric, medium-coarse, white and grey inclusions, self slip.
368:3	221	-1	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, medium-coarse, mainly white inclusions, self slip.
368:4	384	-2	Cooking pot, hard-fired, reddish-brown fabric, thick dark grey core, coarse, mainly white inclusions, self slip.
368:5	374	-1	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, coarse, mainly quartz inclusions, self slip, linear impressions on body.
368:6	370	-3	Cooking pot, hard-fired, dark brownish-grey fabric, coarse, mainly white and grey inclusions, dark reddish-brown slip.
368:7	370	-2	Cooking jug, hard-fired, dark brown fabric, thick dark grey core, coarse, mainly white inclusions, self slip.

Legend for the illustrated finds from Phase X, Area 9 East

Fig.	Locus	No.	Description
369:1	242'	N1342	Loom weight, cylindrical, slightly spool-shaped, hand-made, unfired, greyish-brown fabric, coarse, self slip, Wt 233 g.
369:2	242'	N1344	Loom weight, cylindrical, slightly spool-shaped, hand-made, unfired, light greyish-brown fabric, self slip, Wt 236 g.
369:3	380	N1447	Loom weight, spool-shaped, hand-made, unfired, light brown fabric, medium-fine, self slip, Wt 359.3 g.
369:4	211'	N1393	Clay object, pendant (?), hand-made, medium-hard-fired, light brown fabric, medium-fine, light yellowish-red slip, Wt 68.5 g.
369:5	342	N1428	Spindle whorl, basalt, residual from the Early Bronze Age, Wt 47.5 g.
369:6	220	N1334	<i>Spindle whorl, alabaster, conical shape, drilled, rough surface, Wt 45 g.</i>
369:7	164	N1311	Weight, basalt.
369:8	368	N1440	Pestle, basalt.
369:9	257	N1385	Mortar, limestone, smooth surface.
369:10	206	-1	Stone bowl, basalt.
369:11	227	N1335	Arrowhead, bronze.
369:12	353	N1433	Arrowhead, bronze.

Additional find from Phase X, Area 9 East (listed, not illustrated)

Locus	No.	Description
227	N1331	Spindle whorl made of reused potsherd, wheel-made, hard-fired, light brown fabric, medium-coarse, grey inclusions, self slip interior, white slip exterior, Th 1, d. 5.2, d. of hole 0.3 cm, Wt 36.7 g.

Legend for the illustrated pottery from Phase XI, Area 9 East

Fig.	Locus	No.	Description
370:1	199	-3	Carinated bowl, very hard-fired, medium-fine, reddish-yellow slip.
370:2	361	-1	Carinated bowl, hard-fired, light orange fabric, thick grey core, medium-coarse, mainly white and grey inclusions, light brownish-red slip.
370:3	187	-3	Carinated bowl, hard-fired, orangish-brown fabric, grey core, medium-coarse, white inclusions, light brownish-yellow slip.
370:4	199	-4	Carinated bowl, hard-fired, greenish-grey fabric, coarse, light orange slip, red paint interior and exterior.
370:5	199	-1	Krater, medium-hard-fired, pinkish-brown fabric, medium-coarse, black and grey inclusions, red slip; incised horizontal lines with attached knobs beneath the rim.

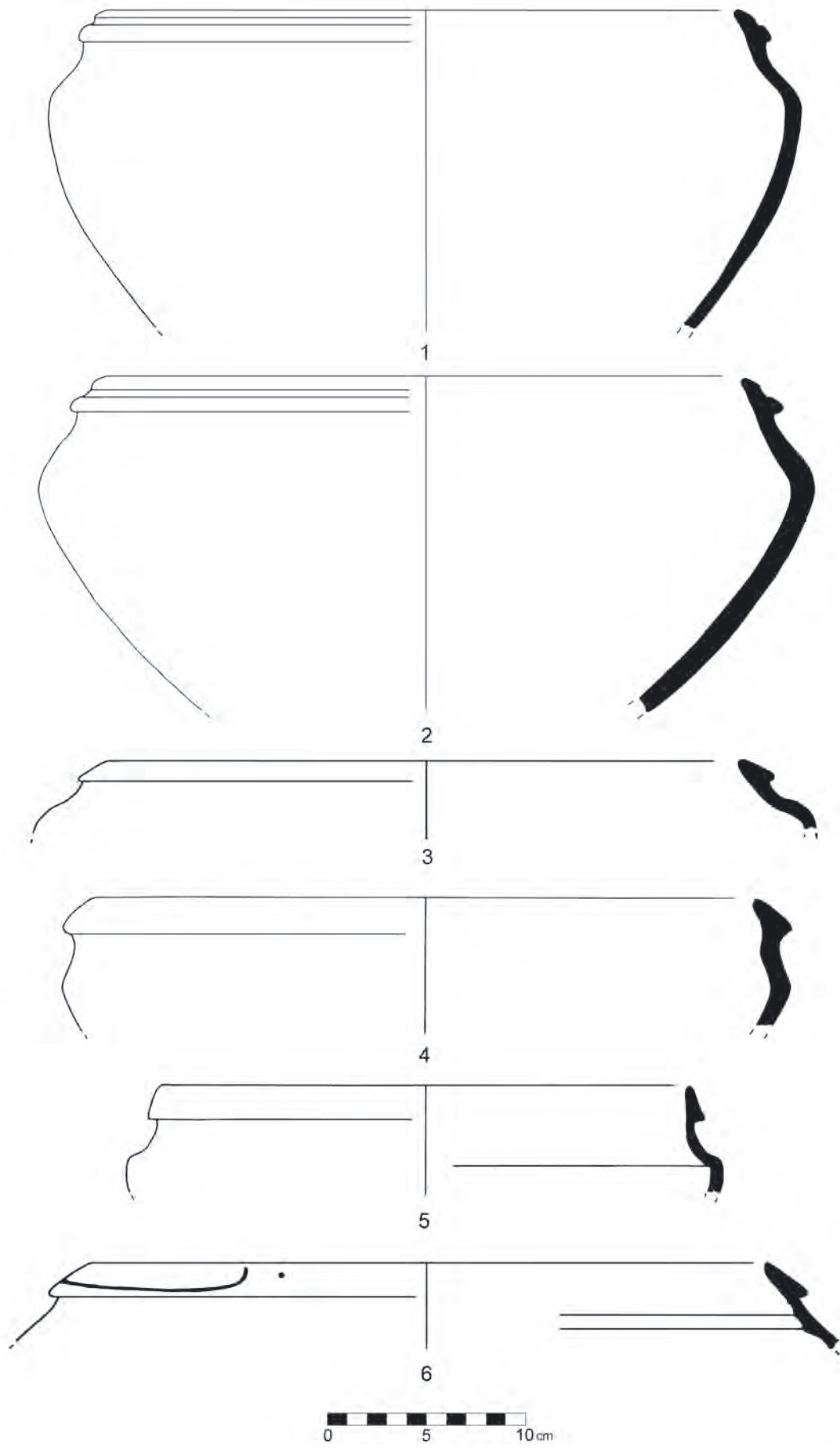


Fig. 367 Pottery from Phase X, Area 9 East

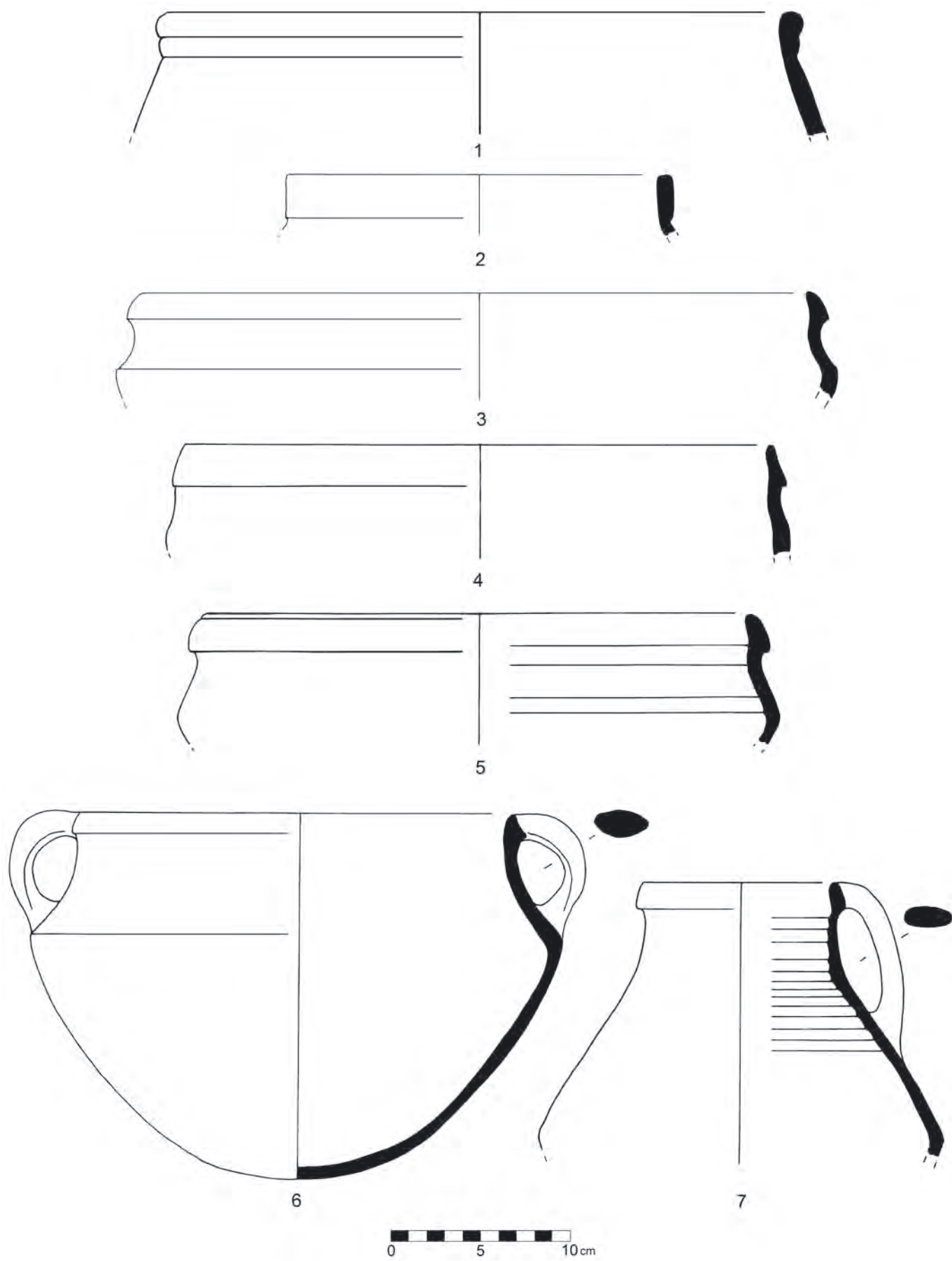


Fig. 368 Pottery from Phase X, Area 9 East

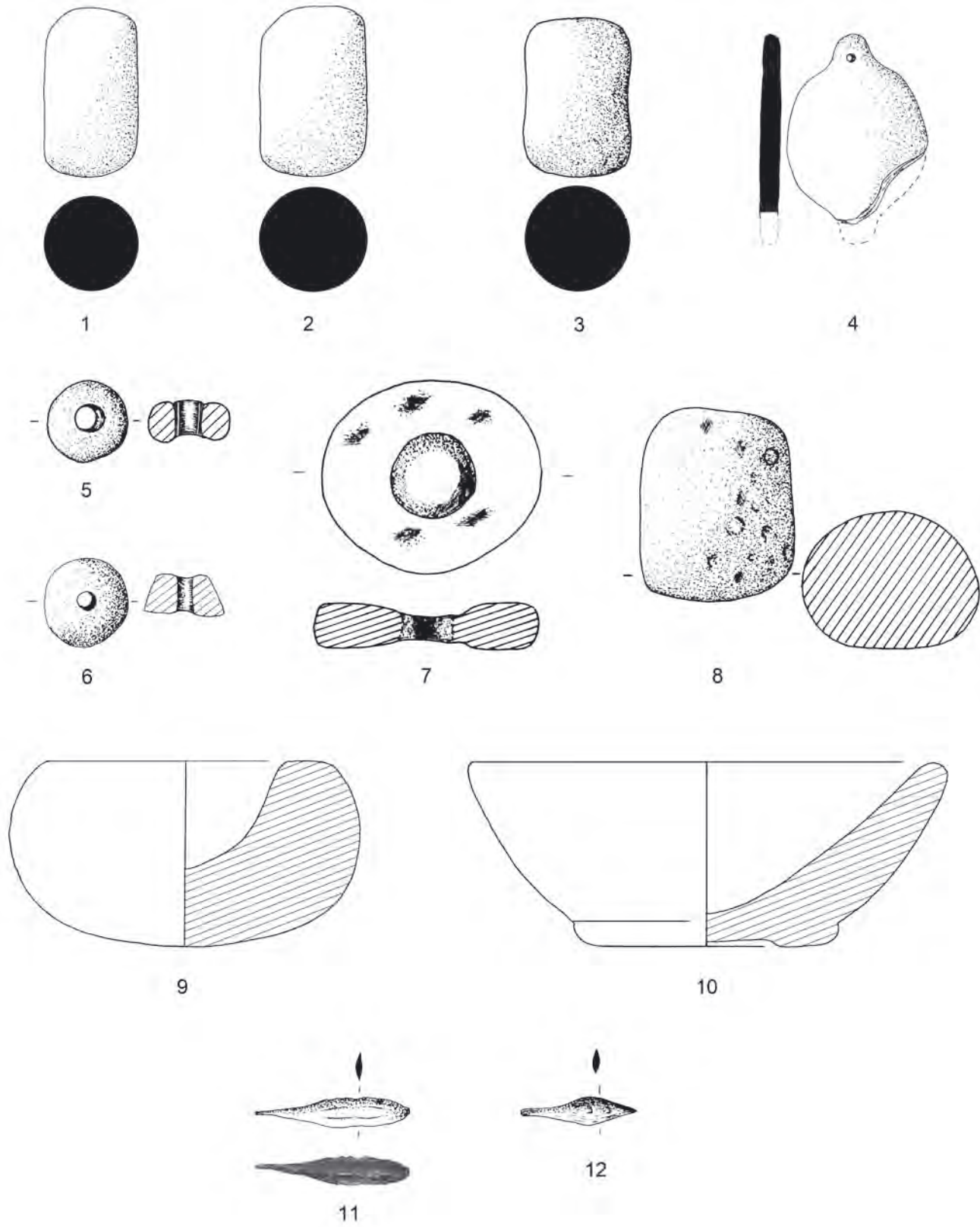


Fig. 369 Finds from Phase X, Area 9 East



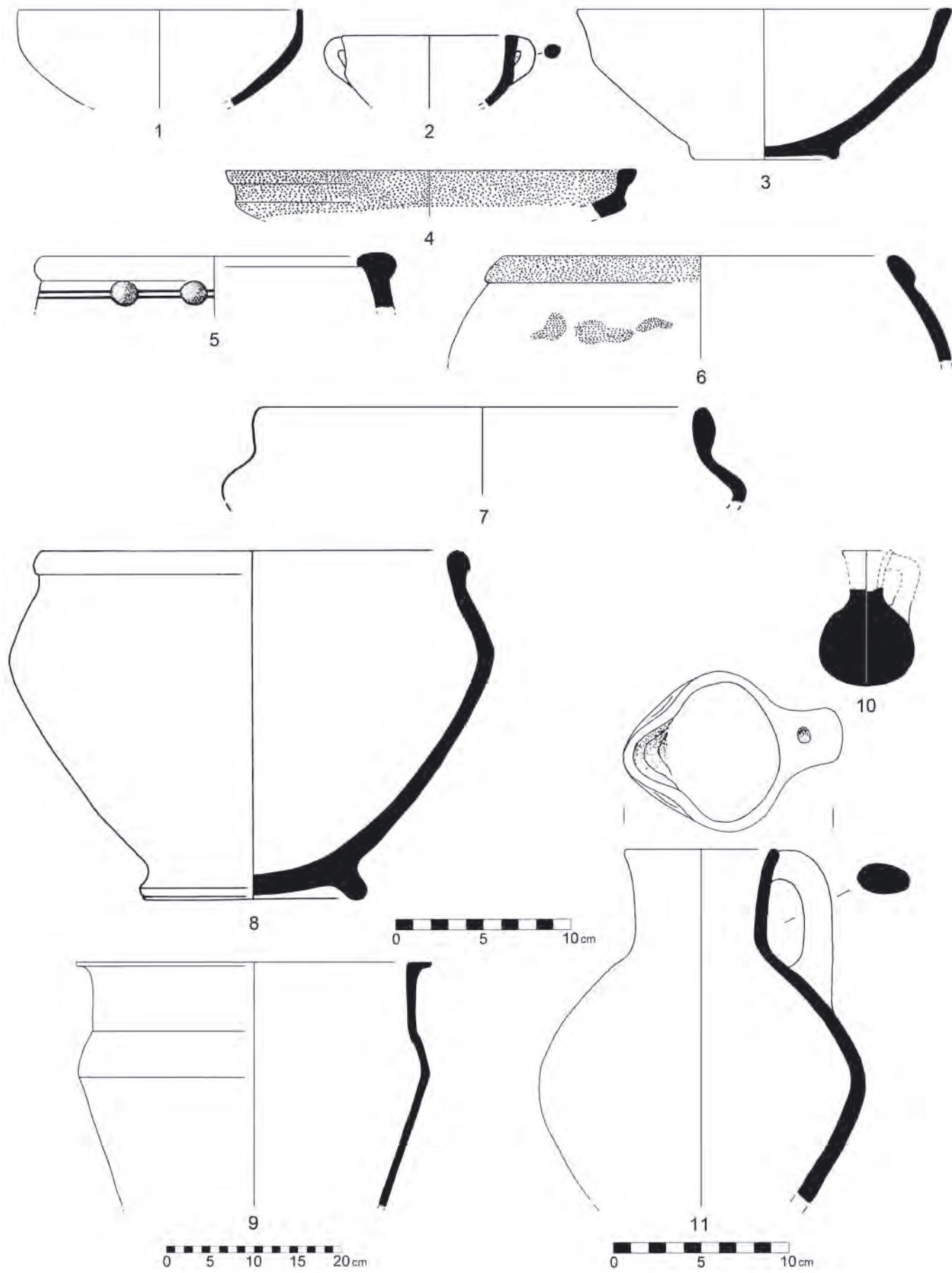


Fig. 370 Pottery from Phase XI, Area 9 East

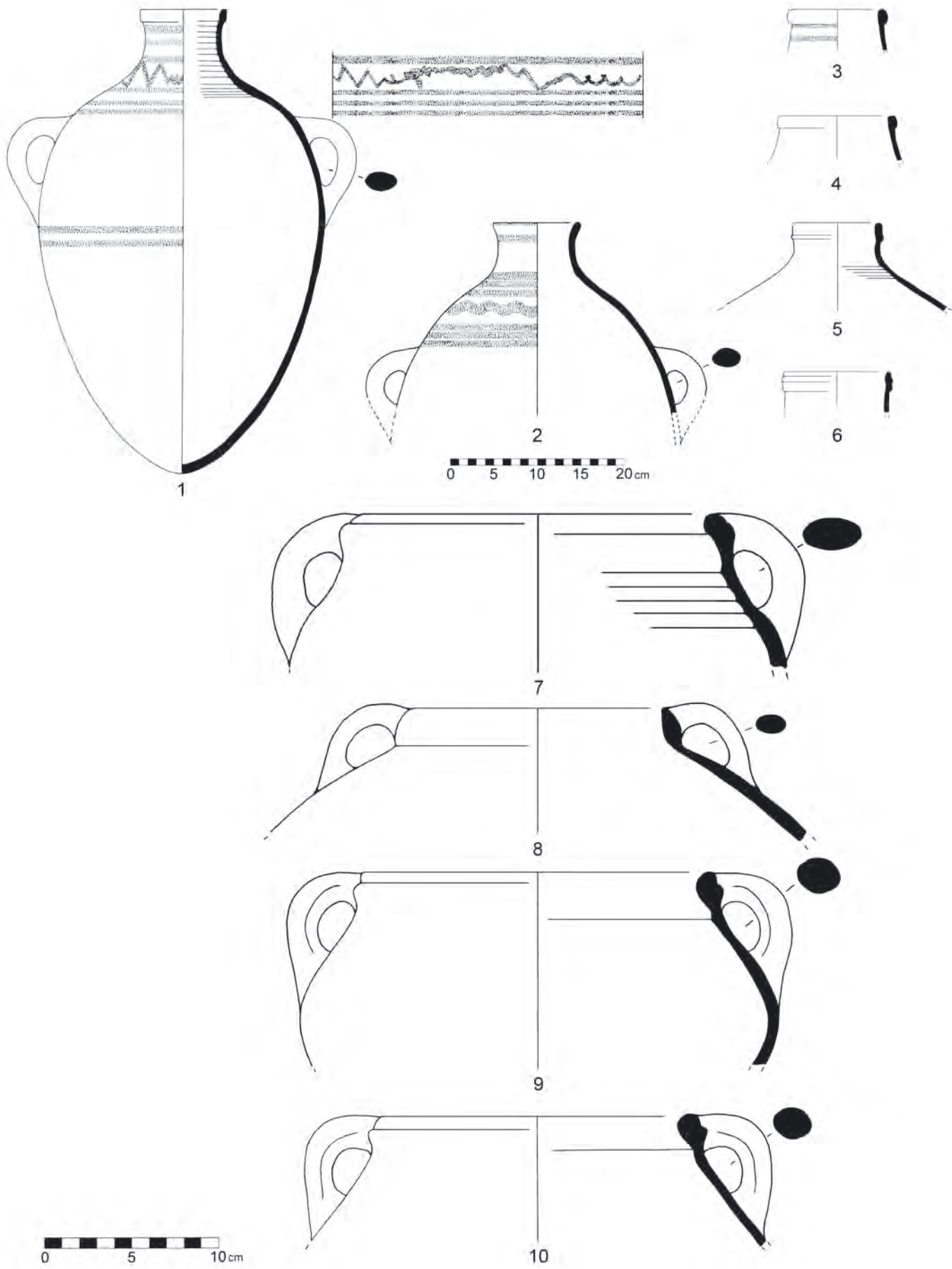


Fig. 371 Pottery from Phase XI, Area 9 East

370:6	187	-2	Krater, medium-hard-fired, yellowish-brown fabric, grey core, few white inclusions, self slip, reddish-brown paint on rim.
370:7	194	-2	Krater, hard-fired, grey fabric, dark grey inclusions, orange slip.
370:8	361	-2	Krater, hard-fired, light greyish-yellow fabric, coarse, multicoloured inclusions, light orange slip.
370:9	207	-1	Krater, hard-fired, grey fabric, white inclusions, orange slip.
370:10	199	N1323	Black Juglet, medium-hard-fired, brownish-grey fabric, few coarse inclusions, black slip, worn.
370:11	176	-4	Spouted jug, medium-hard-fired, yellowish-brown fabric, coarse, multicoloured inclusions, light pinkish-yellow slip; impression on upper part of handle.

Legend for the illustrated pottery from Phase XI, Area 9 East

Fig.	Locus	No.	Description
371:1	355	-3	Jar, hard-fired, light orange fabric, coarse, mainly dark grey and white inclusions, light red to reddish-brown slip, dark reddish-brown decoration.
371:2	176	-6	Jar, medium-hard-fired, light brown fabric, coarse, multicoloured inclusions, light pinkish-yellow slip, reddish-brown decoration.
371:3	183	-2	Jar, hard-fired, pinkish-brown fabric, coarse, mainly white inclusions, pink slip, red paint.
371:4	207	-2	Jar, hard-fired, grey fabric, grey inclusions, orange slip.
371:5	194	-1	Jar, hard-fired, light red fabric, light brown core, grey inclusions, orange slip exterior, yellow slip interior.
371:6	176	-1	Jar, hard-fired, dark grey fabric, medium-fine, white inclusions, yellow slip.
371:7	188	-1	Cooking pot, hard-fired, dark grey fabric, medium-coarse, red slip, fingerprint on top of handle.
371:8	176	-2	Cooking pot, hard-fired, dark red fabric, grey core, medium-fine, white inclusions, red self slip.
371:9	187	-1	Cooking pot, hard-fired, brownish-red fabric, light brownish-red core, medium-fine, white inclusions, self slip, two fingerprints on top of handle.
371:10	199	-2	Cooking pot, medium-hard-fired, light reddish-brown fabric, greyish-brown core, medium-coarse, self slip.

Legend for the illustrated pottery and other finds from Phase XI, Area 9 East

Fig.	Locus	No.	Description
372:1	207	-3	Cooking pot, hard-fired, grey fabric, brown slip.
372:2	218	-1	Cooking pot, hard-fired, brownish-red fabric, black core, coarse, self slip.
372:3	176	-5	Cooking pot, hard-fired, greyish-brown fabric, medium-coarse, white inclusions, dark red slip.
372:4	199	-5	Cooking pot, hard-fired, grey fabric, medium-fine, white inclusions, red slip.
372:5	176	-3	Cooking pot, hard-fired, grey fabric, medium-fine, white inclusions, red slip.
372:6	194	-3,4,5	Cooking pot, hard-fired, dark grey fabric, white inclusions, light brown slip.
372:7	355	-1	Cooking pot, hard-fired, dark brownish-grey fabric, coarse, multicoloured inclusions, dark reddish-brown slip.
372:8	355	-2	Cooking pot, medium-hard-fired, dark grey fabric, coarse, mainly white inclusions, dark brown slip.
372:9	194	N1328	Haft of dagger/sword (?), bronze, broken, corroded.
372:10	176	N1322	Fish hook, bronze.
372:11	199	-6	Edge of unknown, flattened and bent, object of fired clay, hand-made, medium-soft-fired, greyish-yellow fabric, dark-grey core, coarse, grey inclusions and straw, self slip, red paint; patterned incisions.

Additional finds from Phase XI, Area 9 East (listed, not illustrated)

Locus	No.	Description
183	N1324	Grinding stone, hemispherical, porous basalt, L 7.8, H 4.7 cm, Wt 413.5 g.
194	N1326	Spindle whorl made of reused potsherd, wheel-made, medium-hard-fired, grey fabric, self slip, d. 4.7, Th 1, d. of hole 0.3 cm, Wt 28.3 g.
207	N1325	Spindle whorl made of reused potsherd, wheel-made, medium-hard-fired, grey fabric, red slip, d. 5.5, Th 0.9, d. of hole 0.5 cm, Wt 34.7 g.

**PHASE XII, AREA 9 EAST (Figs. 374 and 375)**

**Architecture and features**

The architectural remains of this phase, most of them visible on the surface or just below a thin layer of colluvial soil, were badly preserved due to their superficial positions. The western part is fairly well-preserved, viz. approx. 11 m (east-west) × 5 m (north-south) in size. The eastern part was approached through a 2 m wide gate. There is also a stone-paved room in this part.

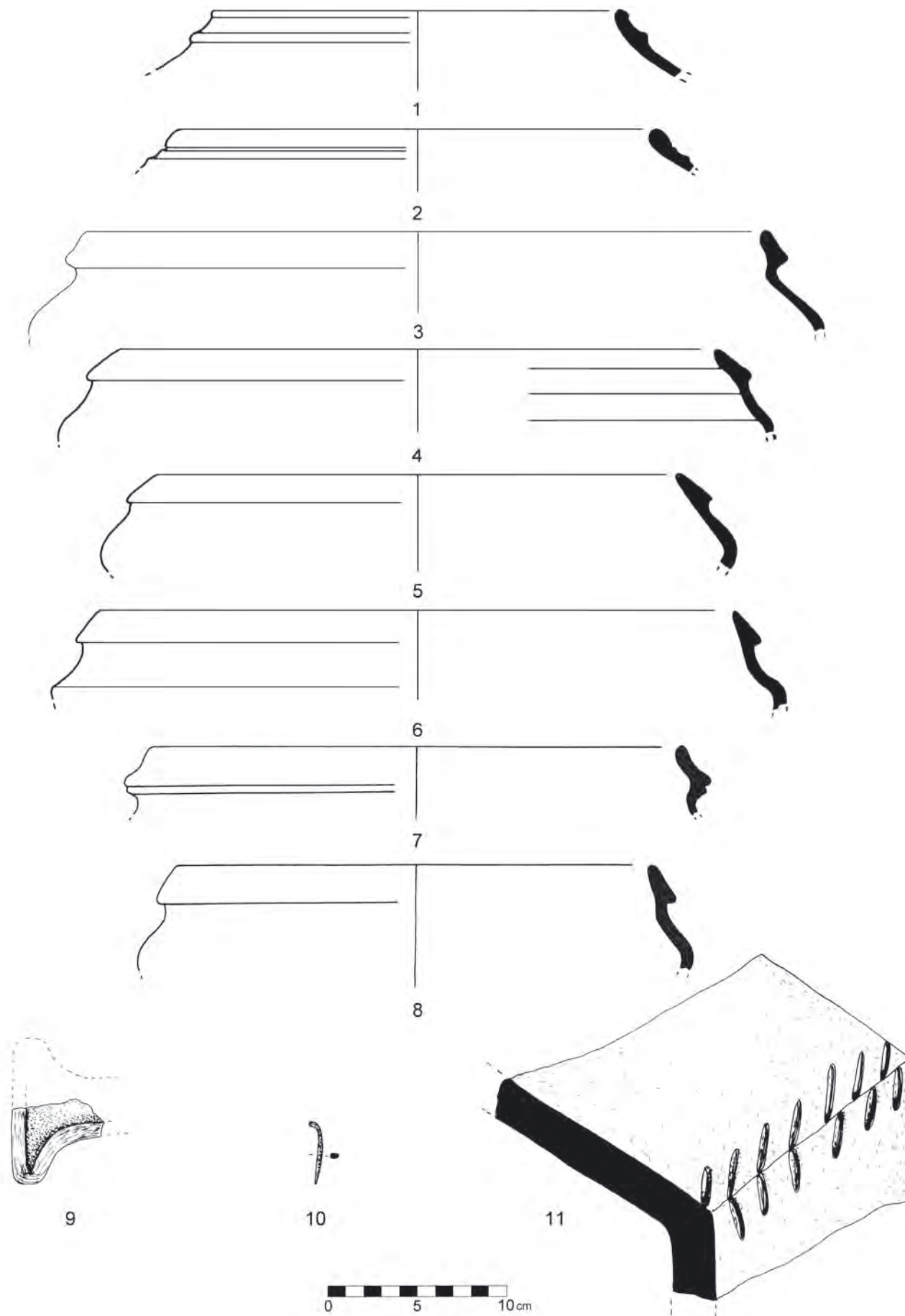


Fig. 372 Pottery and other finds from Phase XI, Area 9 East



Fig. 373 Installation of clay from L177, Phase XI, Area 9 East

### Interpretation of the material evidence

No detailed interpretation of the structures is possible because of erosion and looting. The majority of the sherds are from the second part of the Iron Age but a few intrusive sherds dating from the late Roman/Byzantine and Abbasid periods were also found. There are no other finds of significance except for a typical Iron Age loom weight of unfired clay, an arrowhead of iron (N1406) and a millstone of porous basalt (N1407).

Legend for the illustrated pottery from Phase XII, Area 9 East

Fig.	Locus No.	Description
375:1	181 -1	Carinated bowl, thin-walled, very hard-fired, red fabric, grey core, medium-fine, few white inclusions, self slip interior, grey staining exterior.

375:2	179 -1	Jug, hard-fired, light brown fabric, grey inclusions, orange slip, red decoration on rim/exterior; neck ridge.
375:3	168 -1	Jug/jar, medium-hard-fired, medium-fine, light brown inclusions, orange slip, dark red garland with leaf pattern.
375:4	168 -4	Cooking pot, hard-fired, light grey fabric, medium-fine, reddish-brown slip.
375:5	168 -2	Cooking pot, hard-fired, grey fabric, medium-coarse, white inclusions, red slip.
375:6	168 -3	Cooking pot, hard-fired, grey fabric, medium-fine, few coarse inclusions, red slip.
375:7	170 -1	Cooking pot, hard-fired, light reddish-brown fabric, dark grey core, medium-coarse, few white inclusions, red slip.
375:8	W618 -1	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, medium-coarse, white coarse inclusions, self slip.

Additional finds from Phase XII, Area 9 East (listed, not illustrated)

Locus No.	Description
290 N1406	Arrowhead, iron, L 8.7, W 1.4 cm, Wt 13.6 g.
290 N1407	Grinding stone, basalt, L 31, W 15.5, H 4.5 cm.

### AREA 10

#### General information

Area 10 is synonymous with the upper plateau in the south-eastern part of the site. It includes the “official” 0-point of Tell Abu al-Kharaz (-116 m below mean sea level), from which all other levels were measured.<sup>61</sup> Excavations were carried out in two portions of Area 10: the western portion in 1996 and 1997, Trenches XXXI–III, XXXV and XXXVI (Grids VV–WW/30–31; including our 0-point), which are approximately 124 square metres in size; this portion is fairly flat and slopes only approximately 0.5 m towards the south; and in 2001, Trenches XLIVA–D, and XLVA and B (Grids ZZ 32–33) on the south-eastern edge of the tell which are 130 square metres in size. This portion is quite flat in the west-east direction, while its southern part slopes slightly towards Area 9 to the west. The Trenches XLVA and B lie on the edge between the summit plateau and the point where the southern slope of the site begins. This is a fairly steep slope, which faces the hillock between the site and the Wadi al-Yabis. The two portions (Area 10 West and East) will be treated separately because they are

<sup>61</sup> Observe that there are a few heights in Area 10 East which are a few centimetres higher than our 0-point, viz. their values are shown without the “-”.

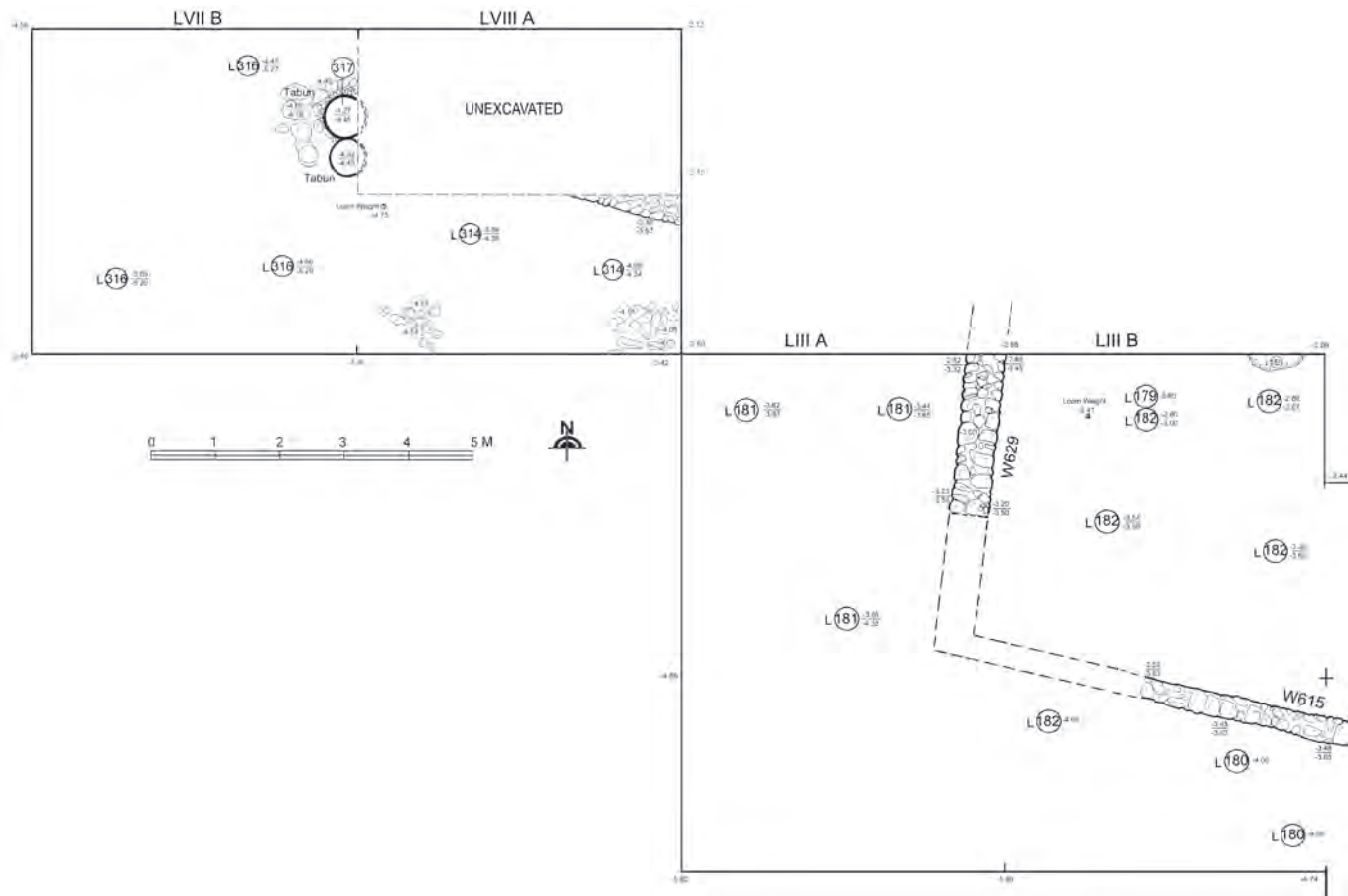


Fig. 374B Plan of Phase XII, Area 9 East, western part

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
629	0.6	0.5	3			looted southern part
615	0.4	0.3	2			very destroyed
617	0.75	0.8	4			erosion southern part
618	0.9	0.5	3			very destroyed
659	0.4	0.5	2			
660	0.55	0.35	1			
661	0.65	0.3	2			
662	0.6	i.d.	i.d.			unexcavated
665	0.55	0.25	2			

Table 64 Description of the walls of Phase XII, Area 9 East

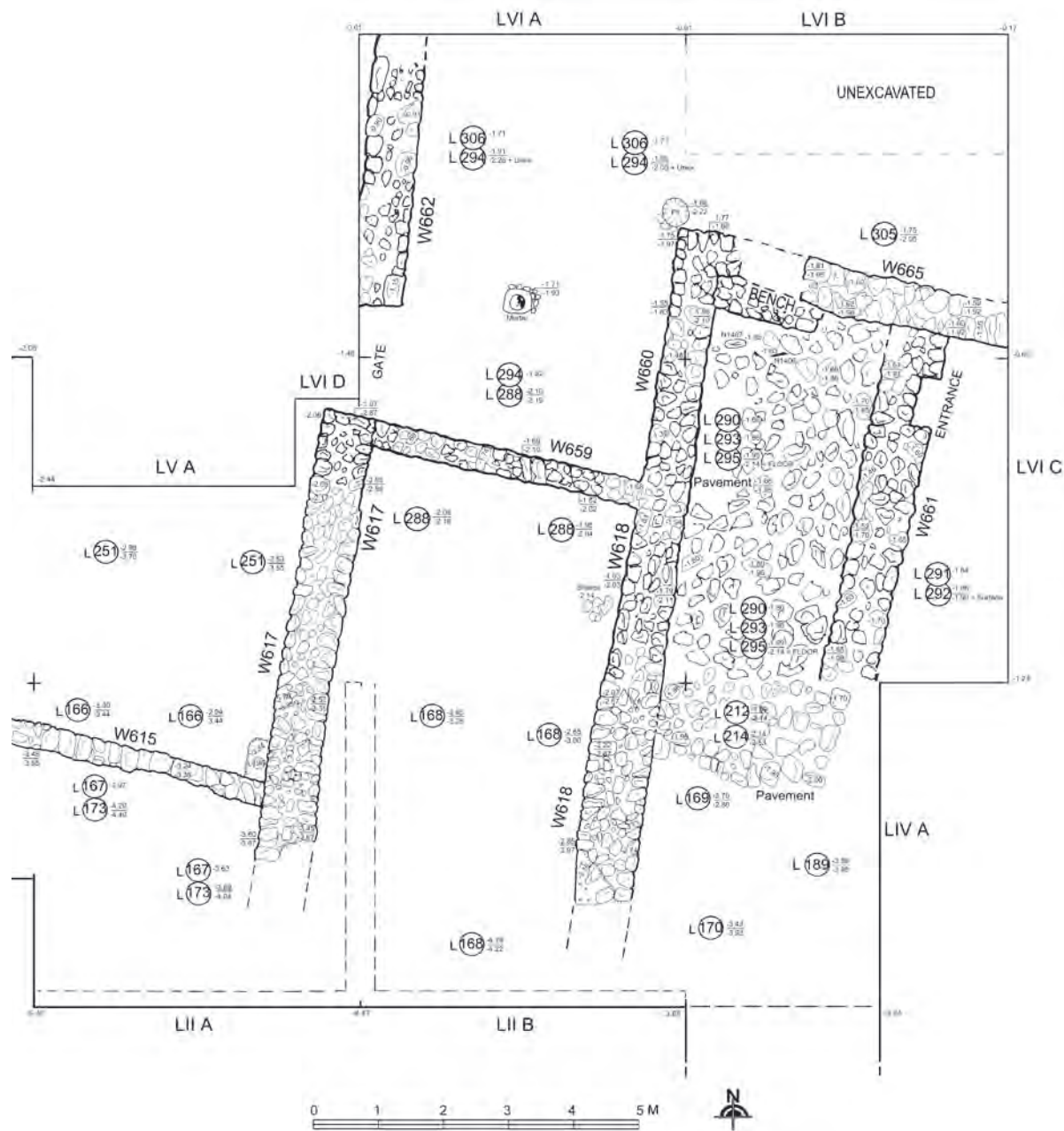


Fig. 374C Plan of Phase XII, Area 9 East, eastern part

roughly 30 m apart and a stratigraphical connection does not exist.

#### PHASES XIV/XV, AREA 10 WEST (Figs. 376–382)

##### Architecture and features: The “White Building”

This area is dominated by a monumental structure, traces of which could already be discerned on the sur-

face during the 1989 survey. It measures 10.60 m by 11.70 m as exposed.<sup>62</sup> The axes of the building are oriented strictly north-south and east-west. The stone foundations of the building, which is preserved at a height of approximately 2 m, are partly constructed of rubble stone and ashlar blocks of stone. It is covered on the outside with fairly well preserved white plaster of lime and sand. The building material is locally quar-

<sup>62</sup> FISCHER 1991; INGEMARSDOTTER 1997; FISCHER 1998a.

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
166	loose sandy soil, partly colluvial	6	1 k, 1 cp, 59 ud	1		
167	loose sandy soil, partly colluvial	6	273 ud			
168	loose sandy soil, partly colluvial	39	-1 j/ja, -2 cp, -3 cp, -4 cp, 1 b, 4 k, 4 j, 1 jl, 1 hm, 3 sj, 6 cp, 198 ud			
169	loose sandy soil, partly colluvial	3	2 k, 2 j, 3 sj, 63 ud			
170	loose sandy soil, partly colluvial	2	-1 cp, 1 k, 3 j, 1 jl, 57 ud			
173	fill of reddish clay		1 b, 31 ud			
179	clay, sand, partly colluvial	1	-1 j, 1 k, 1 j, 18 ud	3		
180	loose sandy soil, partly colluvial	4	3 j, 3 sj, 53 ud			
181	loose sandy soil, partly colluvial	2	-1 cb, 1 cb, 1 k, 1 j, 8 ud	3		
182	loose sandy soil, partly colluvial	15	3 b, 3 k, 2 j, 6 sj, 1 cp, 219 ud	1		
189	destruction layer, mudbrick					
212	stone pavement, some soil		1 k, 1 j, 3 sj, 27 ud	8		
214	just below pavement L212					
251	loose sandy soil, partly colluvial	6	2 k, 1 j, 11 sj, 2 cp, 112 ud			
288	fill, pebbles	6	1 b, 1 cb, 2 k, 1 j, 1 ja, 75 ud	1		
290	stone pavement, some soil		1 cb, 1 j, 23 ud	3	N1406, N1407	
291	fill, pebbles, stones		1 b, 2 k, 1 jl, 1 j, 36 ud	2		
292	hard surface, floor	3	1 b, 1 j, 1 ja, 20 ud	1		
293	fill, pebbles, mudbrick, o.d.	1	2 b, 1 cb, 5 k, 1 ja, 42 ud	1		
294	fill, mudbrick, stones	16	-1 cb, 4 b, 2 k, 1 j, 84 ud	9		
295	floor with ash, sand	4	5 k, 2 j, 1 ja, 1 cp, 49 ud			
305	fill	3	1 b, 7 k, 1 j, 2 cp, 48 ud	17		
306	compact surface with pebbles	2	1 j, 24 ud			
314	fill, o.d., partly colluvial soil	-3, -5, 47	-1 j, -4 j, 8 b, 1 cb, 7 k, 8 j, 1 Phoen j, 2 ja, 3 sj, 1 l, 7 cp, 1 ud	-2, 4		
316	fill, o.d., partly colluvial soil	-1, 19	9 b, 5 k, 7 j, 1 stj, 2 ja, 5 sj, 1 kernos, 5 cp, 202 ud	48		
317	tabun with stone substruction	1	11 ud			
W615	inside wall		3 ud			
W618	inside wall	1	-1 cp, 22 ud			
W659	inside wall	2	5 ud			
W661	inside wall	1	1 k, 1 j, 10 ud			

Table 65 Description of the loci of Phase XII, Area 9 East



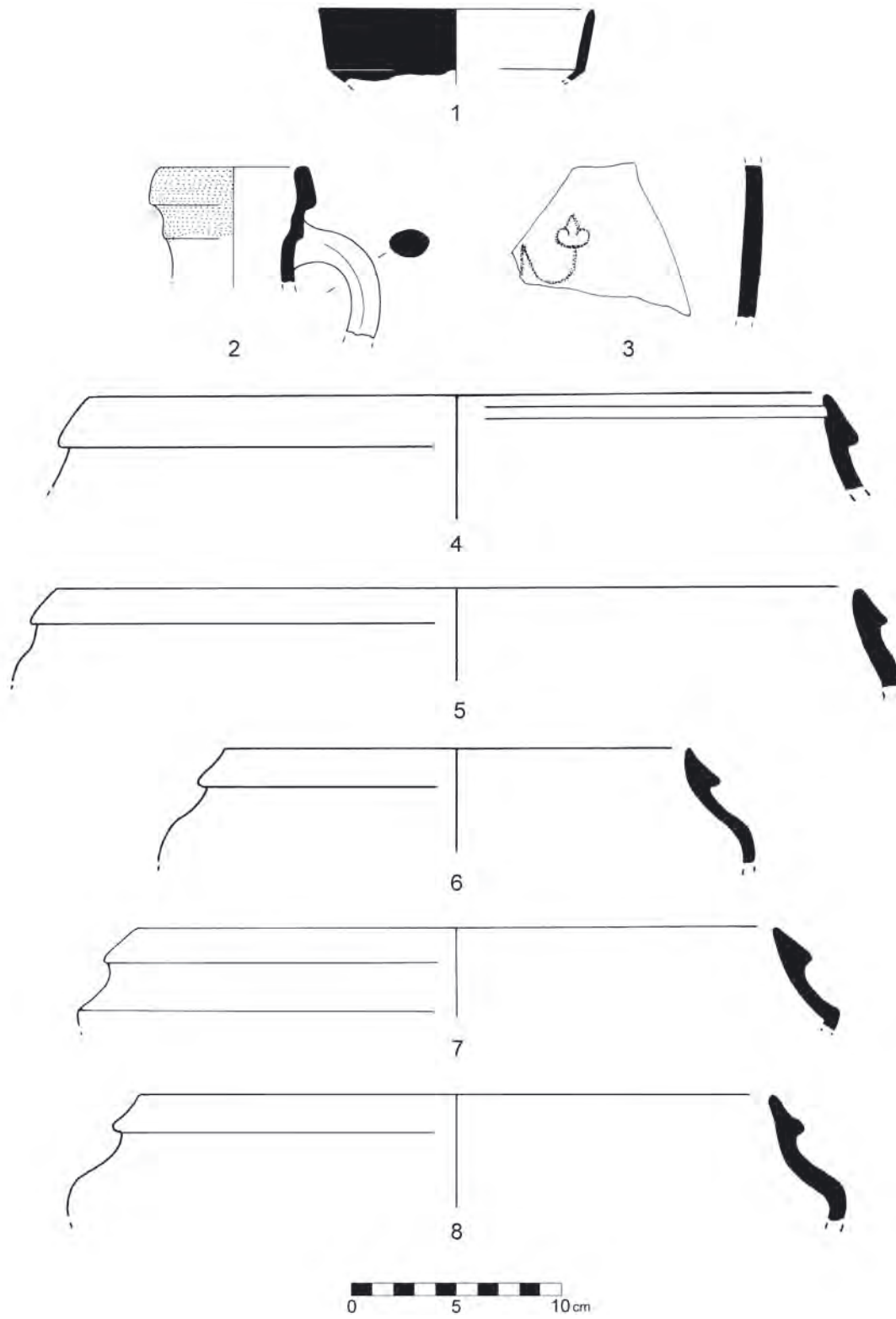


Fig. 375 Pottery from Phase XII, Area 9 East

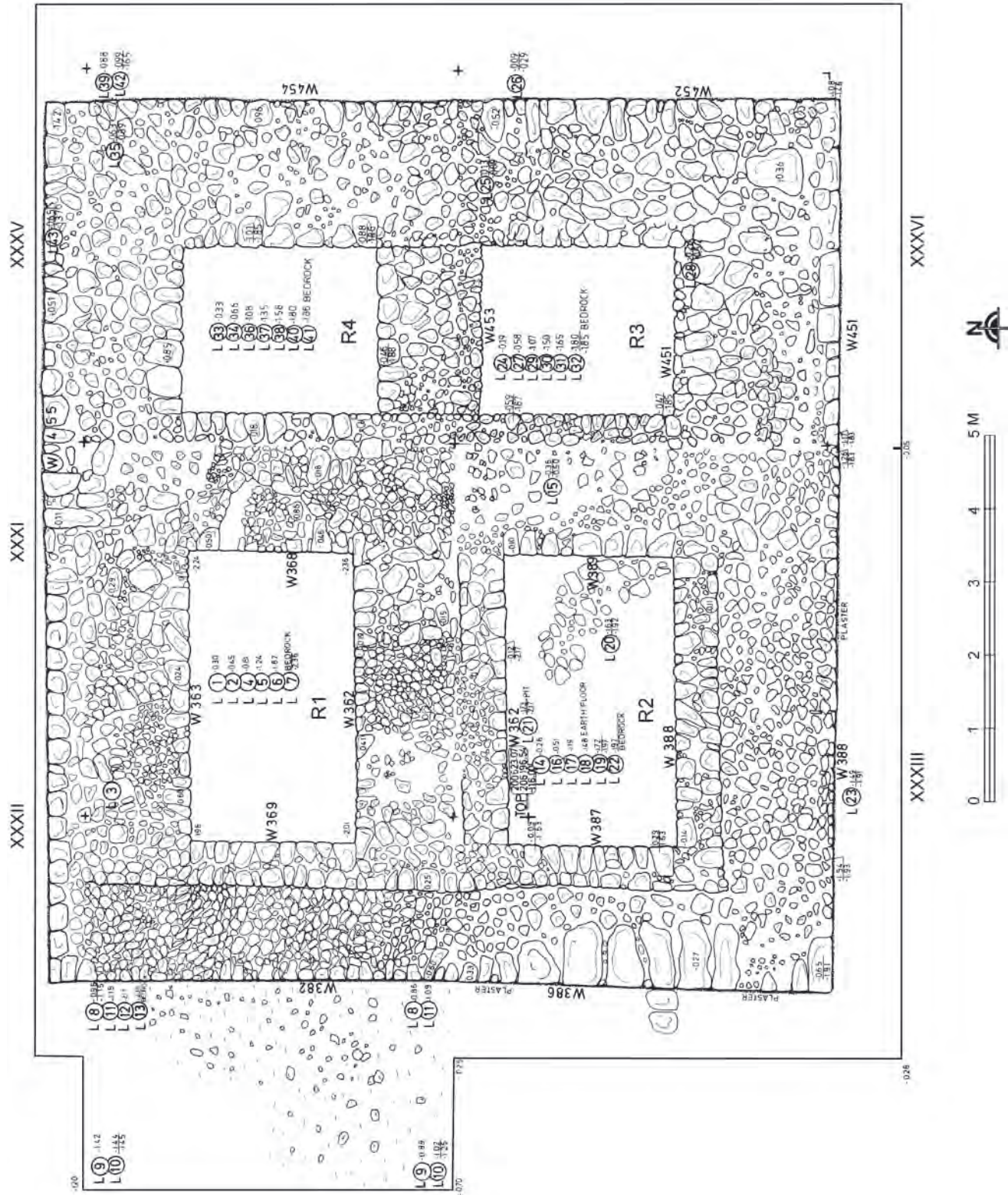


Fig. 376 Plan of „White Building“, Area 10 West

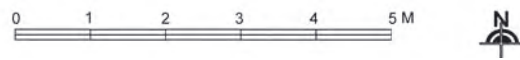
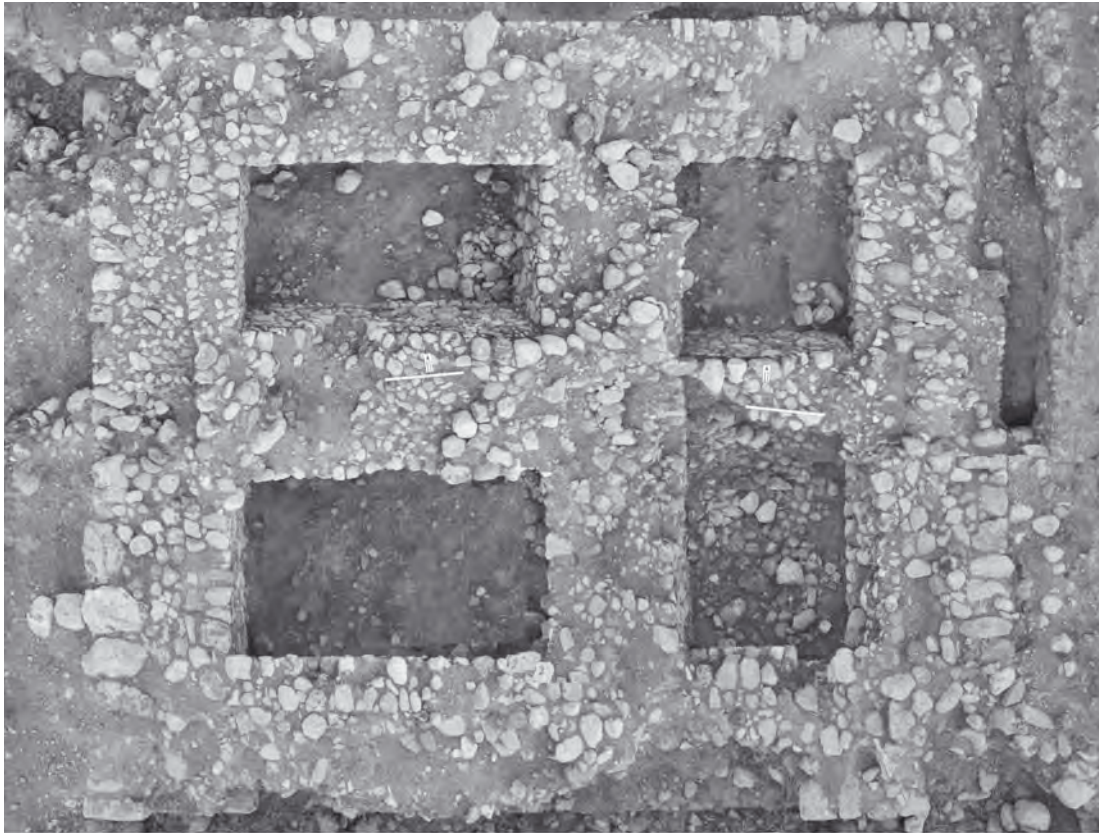


Fig. 377 View from photo-tower of “White Building”, Area 10 West (compiled by T. Bürge)



Fig. 378 “White Building” looking north



Fig. 379 Plastered northern façade of “White Building”, Area 10 West

ried limestone. Mortar was not used. The walls are approximately 1.50–2 m wide and neatly constructed with relatively flat surfaces. It became clear during the exposure of this structure that it was built, rebuilt and repaired over quite a long period (Figs. 376–379).

There are four internal rooms, in which a considerable amount of fallen stones was discovered, very likely deriving from the collapsed upper floors and structures. The north-western room measures 2.30 × 3.90 m, the south-western 2.30 × 3.80 m, and the north-eastern and the south-eastern rooms 2.30 × 2.65 m. The inner walls are either placed directly on bedrock or built on fill or they were placed in foundation trenches cut into bedrock. The still upright walls consist of 6 to 8 courses of stone. The width of the wall separating the rooms is roughly 2 m.

Everywhere around the structures an abundance of fallen stones can be seen on the surface, suggesting that the original structure was of considerable height.

Underneath the stones outside the western façade, a stone pavement can be traced. This pavement is attached to the western wall. The plaster that covers the wall goes underneath the pavement, indicating that the pavement is of a later date. Late Roman sherds could be associated with the stone pavement.

The sherds collected from the loci belonging to the interior rooms are mainly from the later part of the Iron Age period. However, there are also sherds belonging to the Bronze Age periods (mainly Late Bronze Age) and the Late Roman period. An ostrakon with graffiti from L5 in Room 1 should be mentioned (Figs. 380, 467:2 and Appendix 4).

### Interpretation of the material evidence

The orientation of the building in a north-south/east-west direction is interesting. Iron Age and Late Bronze structures within the city of Tell Abu al-Kharaz are usually aligned on a south-east/north-west axis, and Early Bronze structures are commonly on a north-south/east-west axis.

Our exposed “basement rooms” could have functioned as storerooms upon which a high structure was built, suggesting a tower as part of a fortress compound which is still unexposed (cf. sites in Jordan in KOUCKY 1987b: 64). The walls are built directly on bedrock in foundation trenches, possibly to make them less vulnerable to earthquakes. It has been suggested that buildings built on bedrock resist earthquake damage much better than those built on fill or sediments (KOUCKY 1987a: 35). A fortress usually contains a tower. There are some examples of Iron Age watch towers in Jordan, e. g. at Rumeil, south-east of the Dead Sea (16 × 9 m; DE MONTLIVAUT-VILLENEUVE 1989: 492), and El Sade, between the Dead Sea and the Red Sea (with a 9 m long foundation of heavily plastered ashlar; LINDNER 1989: 506), the Plateau Fort, near the Wadi Kafrain in the Jordan Valley (13.50 × 14.50 m), and at Rujm al-Makhaizin, north-east of Amman (12.20 × 12.25 m; PRAG and BARNES 1996: 44, 47). The towers are considered fairly large, and are built of trimmed megalithic stones without mortar. The towers are usually placed on high elevations near a wadi (KOUCKY 1987b: 64). The Iron Age fortress of Lehun east of the Dead Sea has western and southern walls plastered to protect them from the rain and the wind blowing from the Dead Sea Valley (HOMÉS-FREDERICQ and HENNESSY 1989: 354). In the Iron Age period, there was a system of border fortresses on both sides of the Jordan River (PRAG and BARNES 1996: 48), and perhaps our example belongs to that defence system.

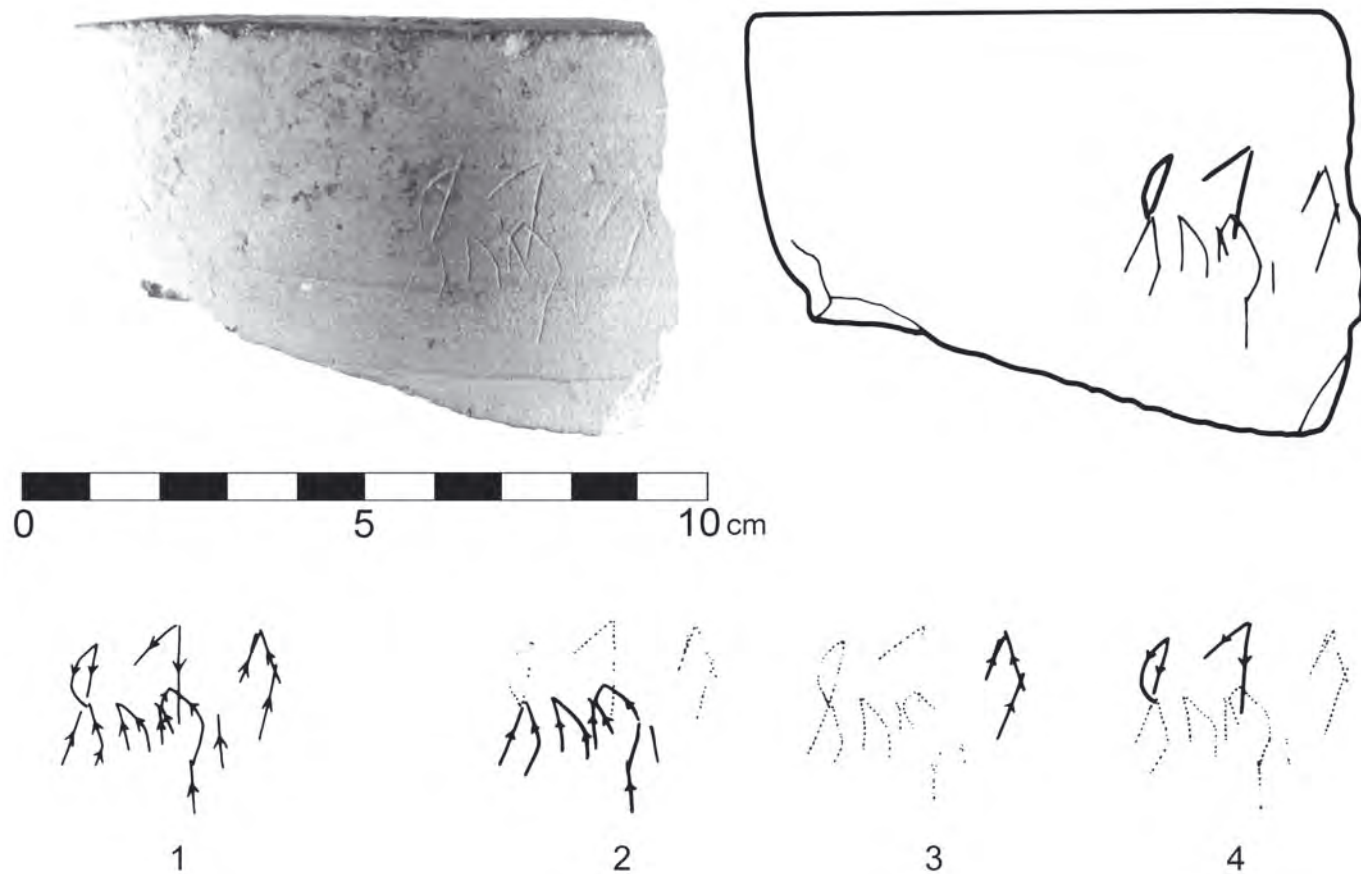


Fig. 380 Ostrakon from Room 1, L5, of the “White Building”, Area 10 West. 1. Direction of incisions, 2. – 4. The three groups of signs (drawing L. Khoury).

During the Late Roman period, towers were common in central and north-eastern Jordan. Examples of Roman occupation are buildings at Lejjun, east of the Dead Sea (PARKER 1989: 360), Tell es-Sa‘idiyeh, in the Jordan Valley (9.25 × 10.40 m; TUBB 1989: 541), Samra, 50 km north-east of Amman (HUMBERT 1989: 555), and Qasr Bshir, east of the Dead Sea (KOUCKY 1987b: 66). Watch towers from the Iron Age or the Nabataean period were reoccupied by the Late Romans to form a network of observation posts within sight of one another (PARKER 1984: 36). They make part of the Limes Arabicus, which was the Roman frontier east of the Dead Sea between 300 and 550 CE. Examples of sites containing Iron Age fortresses with towers that have been reused in the Late Roman and even Early Byzantine periods are found at Qasr Abu el-Kharaq and Qasr el Al (PRAG and BARNES 1996: 59). Late Roman masonry in general means constructions of locally quarried limestone and chert (PARKER 1989: 363). The towers were usually almost square, with side dimensions from 10–12 m.

An ostrakon which was found in the north-western room (Room 1) and which is associated with the Ammonite writing tradition suggests a dating within the 1st millennium BCE, maybe within the period of 9th – 6th centuries BCE (FISCHER 1997a: 136–137; AL-GHUL and KHOURI 1998; RICHELLE 2010: 247–249; see Figs. 380, 467:2 and Appendix 4). The pottery collection from inside the building also suggests a dating within the Iron Age period. However, outside the building, large amounts of Late Roman sherds were found, which again points to reuse of the foundation of this structure in Late Roman times. It is therefore not likely that the Romans constructed this building, as they generally used mortar in their building programmes, even though there are examples of Roman structures with no mortar at all. One example is at Qasr el-Uweinid (KENNEDY 1982: 121). Furthermore, the Romans did not usually build their towers on high elevations, but in major wadis and at guarded crossings (KOUCKY 1987b: 66).

Ashlar masonry was frequent in the Bronze Age,

especially in Cyprus and other regions of the Eastern Mediterranean. Ashlar masonry in general means use of wrought blocks for structures and their approaches. The blocks do not always reach the ideal of a rectangular visible face when they are put in place. There is a more limited definition of ashlar masonry, applied to architecture of later times, which says that true ashlar blocks should have all faces worked into a perfectly rectangular shape, usually of uniform size and filling the thickness of the wall (HULT 1983: 1–2). Examples

of “coursed ashlar” masonry from the Bronze Age are found in nearby regions such as Cisjordan and the northern Levant. Coursed ashlar masonry means that the lower part of the building is ashlar and the upper part is rubble (HULT 1983: 30). It is not likely that the original structure, which partly consists of coursed ashlar masonry, is later than the Iron Age period, as the ashlar blocks are laid irregularly and the faces are not worked into perfectly rectangular shapes.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
362	2.0	0.5-2.0	-9			
363	2.0	0.5-1.3	-9			
368	1.9	0.5-1.3	-9			
369	0.6	0.5-1.3	-9			
382	1.4	0.5-1.3	-9			
386	1.5	0.5-1.3	-9			
387	0.5	0.5-1.3	-9			
388	0.5	0.5-1.3	-9			
389	1.5	0.5-1.3	-9			
451	2.0	0.5-1.3	-9			
452	2.0	0.5-1.3	-9			
453	1.3	0.5-1.3	-9			
454	2.0	0.5-1.3	-9			
455	2.0	0.5-1.3	-9			

Table 66 Description of the walls of the “White Building”, Area 10 West, Phases XIV/XV

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
1	Room 1		20 ud	LR, Byz., Islamic sherds		
2	Room 1	3	2 b, 1 jl, 3 ja, 1 sj, 3 cp, 68 ud	4 Islamic?		
3	north of Room 1		2 b, 20 ud			
4	Room 1		1 b, 1 j, 1 k, 2 sj, 1 cp, 35 ud			
5	Room 1	1	-1 ja, 2 b, 1 cb, 5 k, 1 j, 1 jl, 1 stand, 1 lid, 22 sj, 2 cp, 157 ud	1 Assyrian-style b		
6	Room 1, fill					

Table 67 Description of the loci in and around the “White Building”, Area 10 West, Phases XIV/XV

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
7	Room 1, bedrock					
8	outside and west of Room 1		1 k, 5 ud			
9	outside and west of Room 1	4	1 cp, 2 h, 3 ud			
10	outside and west of Room 1	1	1 bjl, 2 sj, 52 ud	10 LR/ Byz. sherds		
11	outside and west of Room 1			22 LR/ Byz./ Islamic sherds		
12	outside and west of Room 1	1	2 b, 2 j, 1 sj, 1 cp, 39 ud	8 LR/ Byz. sherds		
13	outside and west of Room 1					
14	Room 2		1 cp, 11 ud	1 Byz.		
15	between Room 2 and 3			11 LR/ Byz. sherds		
16	Room 2		-1 ja, -2 cp, 2 b, 2 jl, 3 sj, 1 dec, 32 ud	-1, -2, 198 LR/ Byz. sherds		
17	Room 2	3	5 b, 1 jl, 1 j, 11 sj, 4 cp, 204 ud	1?, 1 Assyr- ian-style b		
18	Room 2, beaten earth floor	1	-1 cp, -2 cp, -3 cb, -4 ja, -5 k, 1 b, 2 cb, 2 k, 1 jl, 5 sj, 1 cp, 1 dec, 81 ud			
19	Room 2, inside floor L18		-1 cp, -2 sj, -3 ja, -4 b, -5 cp, 1 b, 1 k, 2 j, 2 dec, 85 ud			
20	Room 2					
21	small pit in Room 2	5	-1 cp, -2 b, -3 cp, -4 cb, 1 b, 1 k, 4 sj, 1 hm, 1 cp, 129 ud			
22	Room 2, bedrock					
23	outside and south of Room 2	3	-1 cp, -2 ja, -3 cp, 1 b, 1 j, 1 stj, 5 sj, 1 cp	529 LR/ Byz. sherds		
24	Room 3		2 j	22 LR/ Byz. sherds		
25	east of Room 3					
26	outside and east of Room 3					
27	Room 3		1 sj	7 LR/ Byz. sherds		
28	south of Room 3					
29	Room 3		-1 cb, 1jl, 1 sj, 1 cp, 22 ud			
30	Room 3		-1 cp, 2 k, 5 sj, 26 ud			
31	Room 3	2	1 b, 1 j, 26 ud			
32	Room 3, upon bedrock		2 j, 34 ud			

Table 67 continued Description of the loci in and around the "White Building", Area 10 West, Phases XIV/XV

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
33	Room 4		2 ja, 1 sj, 2 ep, 11 ud	2 Islamic, 5 LR/ Byz. sherds		
34	Room 4	3	4 b, 1 c, 1 sj, 1 ep, 6 h, 51 ud	4 LR/ Byz. sherds		
35	north-east of Room 4					
36	Room 4	1	1 b, 1 j, 1 ja, 3 sj, 1 ep, 32 ud			
37	Room 4		-1 b, 3 b, 6 k, 2 j, 1 ja, 2 sj, 37 ud			
38	Room 4		4 b, 1 sj, 4 h, 42 ud			
39	outside and east of Room 4		1 b, 1 ep, 26 ud			
40	Room 4	1	1 b, 1 sj, 1 ep, 36 ud			
41	Room 4, bedrock					
42	outside and east of Room 4			34 LR, Byz. sherds		
43	north of Room 4		1 b, 1 k, 1 stj, 1 ep, 20 ud	20 LR/ Byz. sherds		

Table 67 continued Description of the loci in and around the "White Building", Area 10 West, Phases XIV/XV

The few Late Bronze Age sherds discovered are probable remainders of a Late Bronze Age building, which was originally erected on this spot. Our suggested Iron Age date is mainly based on the pottery and the Aramaic ostrakon.

Legend for the illustrated pottery from the "White Building", Area 10 West

Fig.	Locus No.	Description
381:1	37 -1	Miniature bowl, hand-made, hard-fired, brown fabric, thick grey core, coarse, mainly quartzite inclusions, self slip.
381:2	21 -2	Bowl, medium-hard-fired, light brown fabric, medium-coarse, mainly grey inclusions, self slip.
381:3	29 -1	Carinated bowl, hard-fired, dark grey fabric, coarse, white inclusions, self slip, plastic trumpet decoration.
381:4	19 -4	Bowl, medium-hard-fired, light brown fabric, fine, a few grey inclusions, self slip.
381:5	18 -3	Carinated bowl, medium-hard-fired, light grey fabric, fine, self slip.
381:6	18 -5	Krater, hard-fired, yellowish-brown fabric, light grey core, medium-fine, a few light brown inclusions, light yellowish-brown slip.
381:7	5 -1	Jar, hard-fired, yellowish-brown fabric, coarse, mainly grey inclusions, self slip; incised inscription (see also Fig. 380).

381:8	19 -3	Jar, hard-fired, brownish-red fabric, light grey core, medium-coarse, multi-coloured inclusions, self slip; neck ridge.
381:9	18 -4	Jar, hard-fired, light pinkish-brown fabric, medium-fine, mainly white inclusions, self slip.
381:10	19 -2	Storage jar, hard-fired, yellowish-brown fabric, medium-coarse, mainly grey inclusions, self slip; neck ridge.
381:11	30 -1	Cooking pot, hard-fired, reddish-brown fabric, greyish-brown core, medium-fine, mainly white inclusions, self slip.
381:12	19 -5	Cooking pot, hard-fired, reddish-brown fabric, coarse, mainly white inclusions, self slip.

Legend for the illustrated pottery from the "White Building", Area 10 West

382:1	19 -1	Cooking pot, hard-fired, greyish-brown fabric, coarse, mainly white inclusions, self slip; neck ridge.
382:2	18 -1	Cooking pot, hard-fired, greyish-brown fabric, thick grey core, coarse, mainly white inclusions, self slip.
382:3	23 -2	Jar, hard-fired, light brown fabric, medium-fine, white inclusions, self slip.
382:4	23 -3	Cooking pot, hard-fired, reddish-brown fabric, medium-fine, white inclusions, self slip.



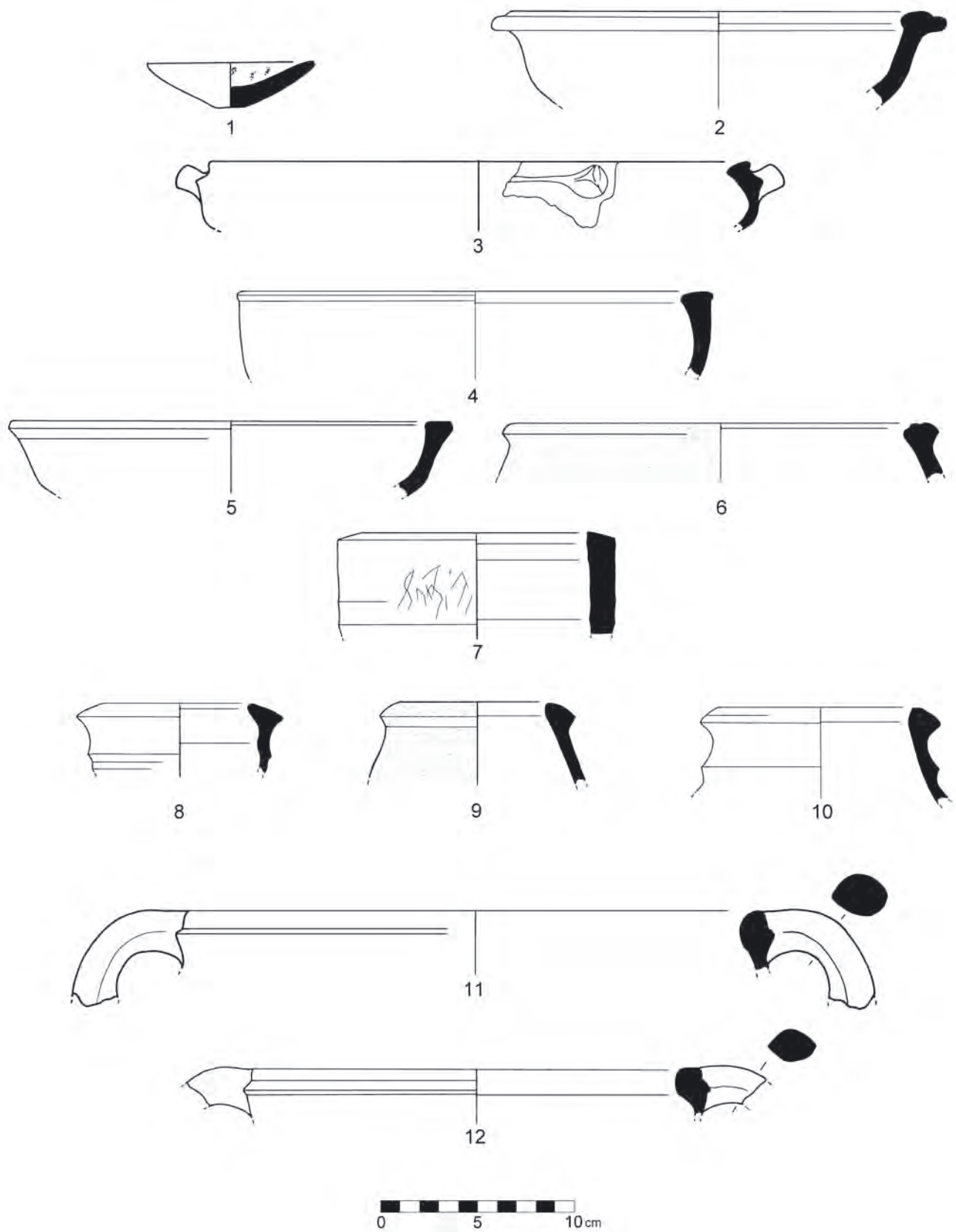


Fig. 381 Pottery from the "White Building", Area 10 West

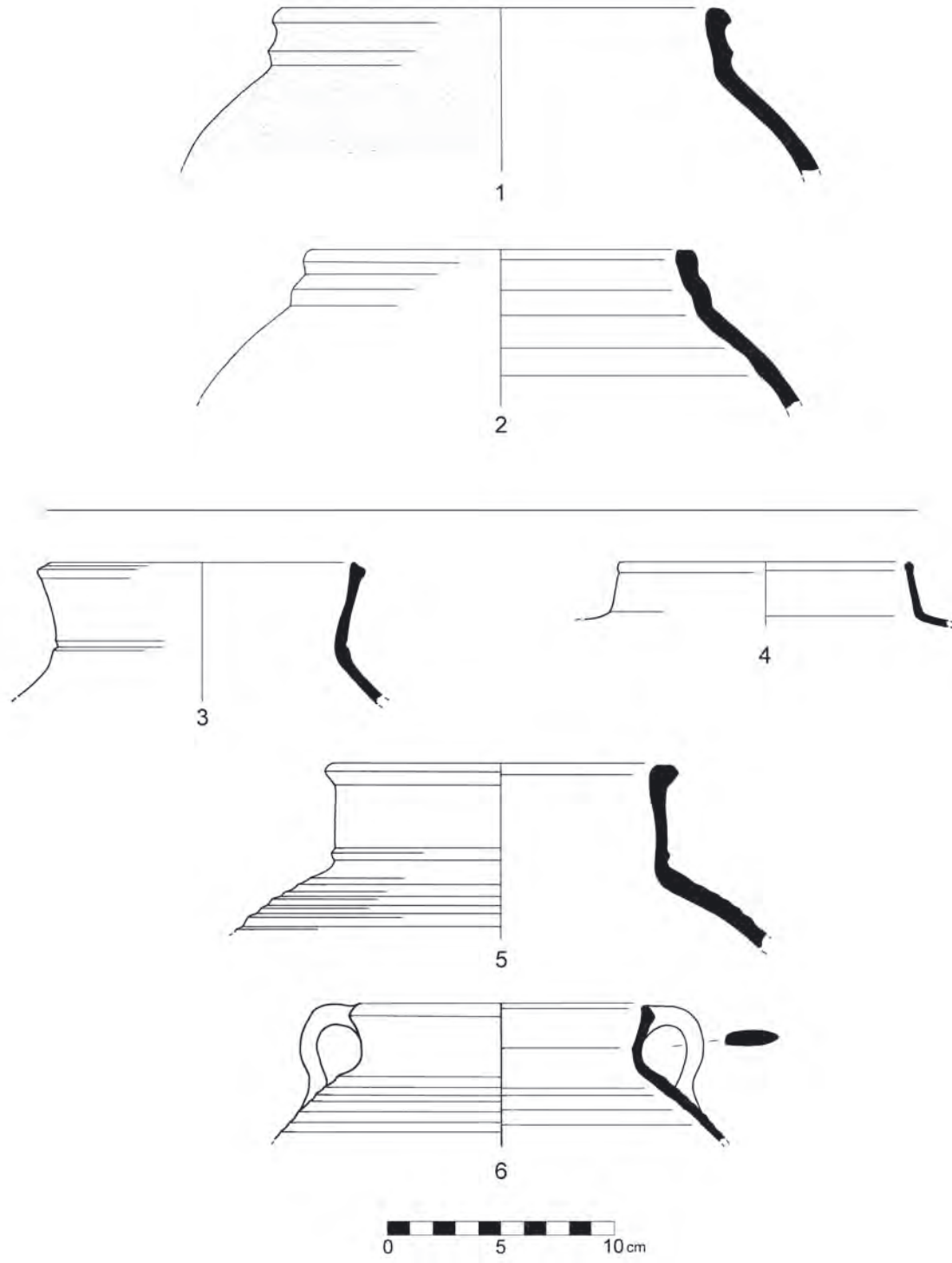


Fig. 382 Pottery from the "White Building", Area 10 West

- 382:5 16 -1 Jar, hard-fired, light brown fabric, light grey core, medium-fine, white inclusions, light brown slip.
- 382:6 16 -2 Cooking pot, hard-fired, brownish-red fabric, grey core, coarse, white inclusions, dark brown slip.

could be ascertained (cf. FISCHER 2005). There are, however, two phases of occupation in which the same structures were used. Therefore the finds from the lower and upper portions from inside the compound will be shown in separate figures (Phases XIV and XV, see below). The Iron Age remains are considerably disturbed during later periods, especially by the Late Romans or Byzantines who reused the Iron Age walls for seasonal buildings. Disturbances were also caused by Islamic occupation. The three walled spaces in the southern part were originally stone-paved. The northern part of the excavation area includes a *tabun* and some pillar bases. A number of pits and shallow pit

**PHASES XIV/XV, AREA 10 EAST (Figs. 383–388)**

**Architecture and features**

Due to the superficial and therefore exposed position of the Iron Age remains only one architectural phase

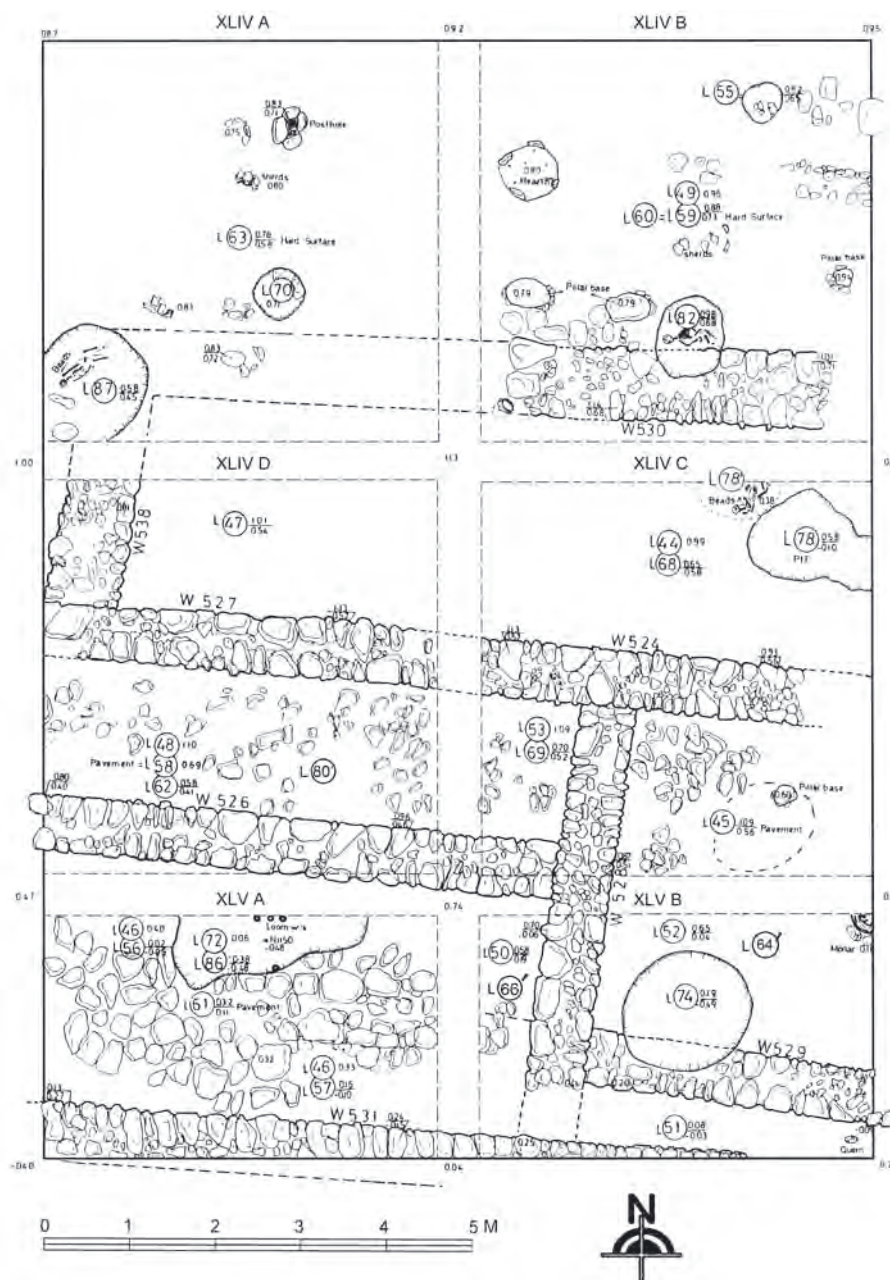


Fig. 383 Plan of Phases XIV/XV, Area 10 East

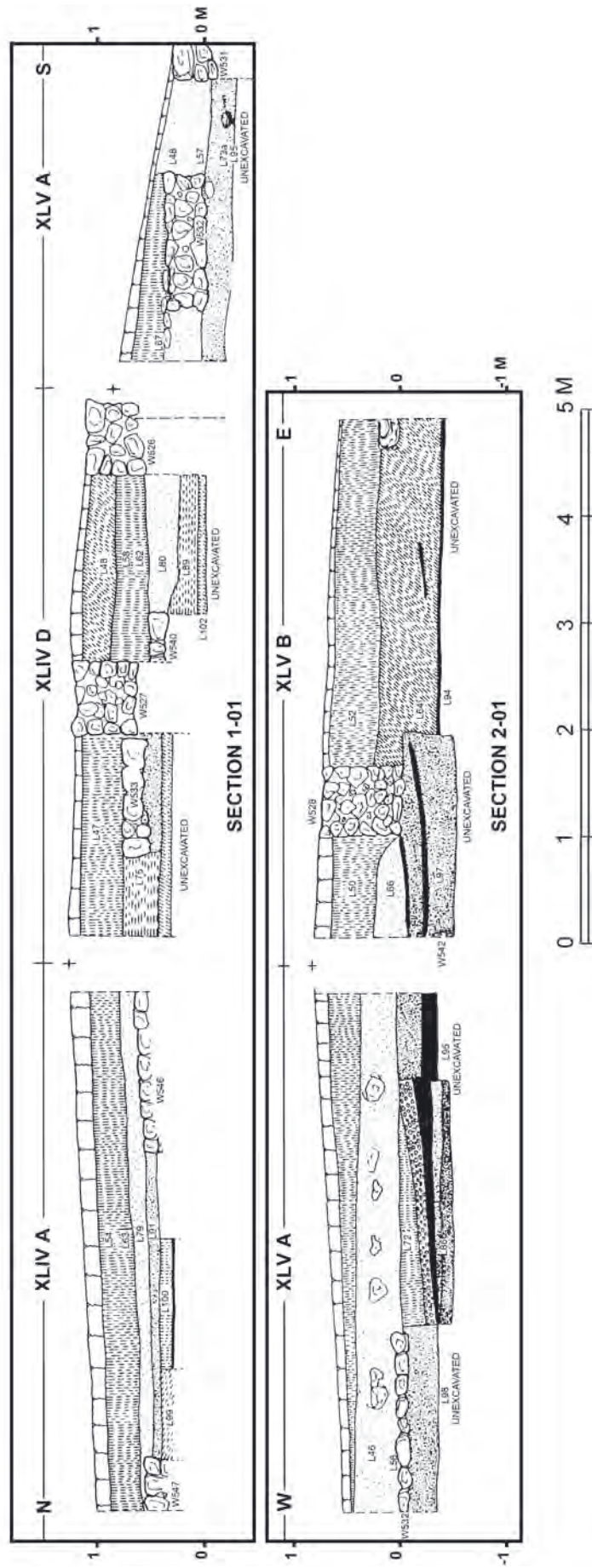


Fig. 384 Sections 1-01 and 2-01. Area 10 East, east section Trenches XLIVA, XLIV D and XLVA and north section Trenches XLVA and B



Fig. 385 Area 10 East looking west

graves had disturbed the stone constructions and floors (L87, 70, 55, 82, 78, 78', 72/86, 74). The shallow pit graves for infants (L78', 82, 87) are from Islamic times (see below). In a room to the south-east, a mortar and a quern were found lying on a stone foundation.

#### Interpretation of the material evidence

The functions of the rooms are difficult to assess. Considering the strategic position of this portion it is not impossible that the area was used for military lodging.

Although the three pit graves are much later than the Iron Age they will briefly be discussed. The burials are simple, shallow pit tombs, less than 1.2 m and only approximately 0.5 m deep. All three skeletons were placed on their right side, in a slightly foetal position. Their heads were turned to the west facing south-south-east, and their feet to the east. In one case, the hand had been placed on the left side of the cranium. According to a study of their teeth, all three children died at the age of 2 or 3. There are – unexpectedly – “tomb gifts” or, better expressed, the personal belongings of the children in the shape of necklaces of various beads still in situ around their necks (FISCHER 2005). The necklace of the infant in L78 consists of 18

beads including five molluscs of three different species, all of which derive from the Red Sea (and not from the closer Mediterranean):<sup>63</sup> three cowries (*Cypraea moneta*), one striped engina (*Engina mendicaria*) and one stromb (*Strombus decorus persicus*). Two beads of a yet unidentified material seem to be carved and resemble closed sacks. One bead was a circular carnelian bead. Finally we have ten beads, all of them very likely of man-made silicates (glass/faience/frit), of different colours. Some are black-mottled, others are yellowish-white and light green. They are mostly cylindrical in shape. The necklace of the infant L87 consists of 25 beads. These comprise eight cowries (*Cypraea moneta*) from the Red Sea, six circular carnelian beads and eleven beads of silicates of greenish-white and matt green colours resembling serpentine. There were no finds from the third grave.

With the exception of a few body sherds, mainly from post-Iron Age periods, the tombs contained no diagnostic sherds. Nevertheless, several characteristics indicate that the burials are Islamic. Firstly, the fact that all three children were oriented towards the west and facing south-southeast which is the bearing towards Mecca. Secondly, the absence of burial gifts is an Islamic feature. The necklaces cannot be regarded as actual grave gifts but must rather be understood as

<sup>63</sup> Classification by D. Reese for which I am most grateful.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
524	0.6-0.7	0.6	3			
526	0.6-0.7	0.5	2			
527	0.6-0.7	0.6	3			
528	0.6	0.5-0.6	2-3			
529	0.6	0.3	1			
530	0.8	0.3-0.4	2			
531	?	0.4	2			LB, reused
538	0.8	0.4	2			

Table 68 Description of the walls of Phases XIV/XV, Area 10 East

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
44	fill	42	-1 cp, -2 b, 1 b, 3 cp, 8 h, 4 ud	39		
45	stone pavement		9 ud	9		
46	fill	7	-1 cp, 3 b, 1 ja, 32 sj, 5 cp, 78 ud	31		
47	fill above hard surface	6	1 b, 4 ja, 2 h, 139 ud	65		
48	fill		3 ud	15		
49	fill	3	-1 b, 1 b, 21 cp, 204 ud	130		
50	hard surface	4	-2 cp, 1 sj, 3 ep, 1 h			
51	fill	9				
52	hard surface	1	-1 cp, 1 b, 2 k, 1 j, 1 jl, 1 ep, 42 ud	26		
53	fill		1 j, 1 bjl, 1 ep, 52 ud	20		
55	pit, d. 0.5		9 ud	3		
56	hard surface	21	1 cb, 3 j, 1 sj, 1 ep, 19 ud	2		
57	hard surface	1	91 ud	17		
58	stone pavement		1 k, 2 ud	3		
59/60	hard surface	5	-1 cp, -2 k, 9 ud	7		
61	stone pavement	1	14 ud	4		
62	hard surface	76	1 tri, 2 h, 42 ud			
63	hard surface	-4, 5	-1 ja, -2 ja, -3 b, -5 j, 2 k, 2 sj, 6 h, 1 ep, 1 lid, 3 water pipes, 167 ud	5		
64'	fill below surface	-1... -3	-4 b, 67 ud			lower portion
66'	fill below surface		-1 j-dt, -2 k, 33 ud			lower portion
68	hard surface	6	1 b, 1 j, 25 ud	8		
69	hard surface	3	1 cp	9		
72	pit, irregular shape, upper part				N1150	
74	pit, d. 1.4					
78	pit, d. 1.0		-1 cp, -2 cp, -3 cp, 2 b, 4 ja, 1 dec, 1 l, 8 ep, 5 h, 176 ud			
80'	fill		-2 b, 18 ud			lower portion
86	pit, irregular shape, lower part					
W529	inside wall				N1151	
W531	inside wall		-1 cp, 1 ja, 2 ud	-2		

Table 69 Description of the loci of Phases XIV/XV, Area 10 East

personal belongings of the infants. Thirdly, some of the few sherds surrounding the pits are of Islamic date, and it should be remembered that it is customary for Bedouins to bury their members on the summit of tells. In conclusion, burial customs and pottery make it likely that the infant burials belong to the Abbasid period, probably from the first half of the 9th century CE.

Legend for the illustrated pottery from Phase XIV, Area 10 East

Fig.	Locus No.	Description
386:1	80' -2	Bowl, hard-fired, light brown fabric, coarse, grey inclusions, yellow slip, traces of red paint on rim.
386:2	64' -4	Bowl, hard-fired, greyish-brown fabric, coarse, multicoloured inclusions, light yellowish-brown slip, traces of red paint on rim.
386:3	66' -2	Krater, hard-fired, reddish-brown fabric, medium-coarse, brownish-orange slip, traces of red wash exterior; neck ridge.
386:4	66' -1	Jug-decanter, hard-fired, greyish-brown fabric, coarse, mainly white inclusions, red slip; neck ridge.

386:5 W531 -1 Cooking pot, hard-fired, brown fabric, light brown core, coarse, white inclusions, self slip.

Legend for the illustrated pottery and other finds from Phase XV, Area 10 East

Fig.	Locus No.	Description
387:1	44 -2	Bowl, hard-fired, brownish-red fabric, medium-coarse, multicoloured inclusions, self slip exterior, red wash on rim and interior.
387:2	49 -1	Bowl, medium-hard-fired, yellowish-brown fabric, medium-fine, multicoloured inclusions, red slip.
387:3	60 -2	Krater, hard-fired, light brown fabric, coarse, grey inclusions, yellowish-orange slip, red paint on rim.
387:4	63 -2	Jar (?), hard-fired, light brown fabric, coarse, mainly grey inclusions, light orange slip.
387:5	63 -1	Jar, very hard-fired, dark brown fabric, coarse, light pinkish-brown slip; neck ridge.
387:6	63 -3	Bowl, body sherd, hard-fired, light brown fabric, fine, light yellowish-brown slip, black and red decoration.

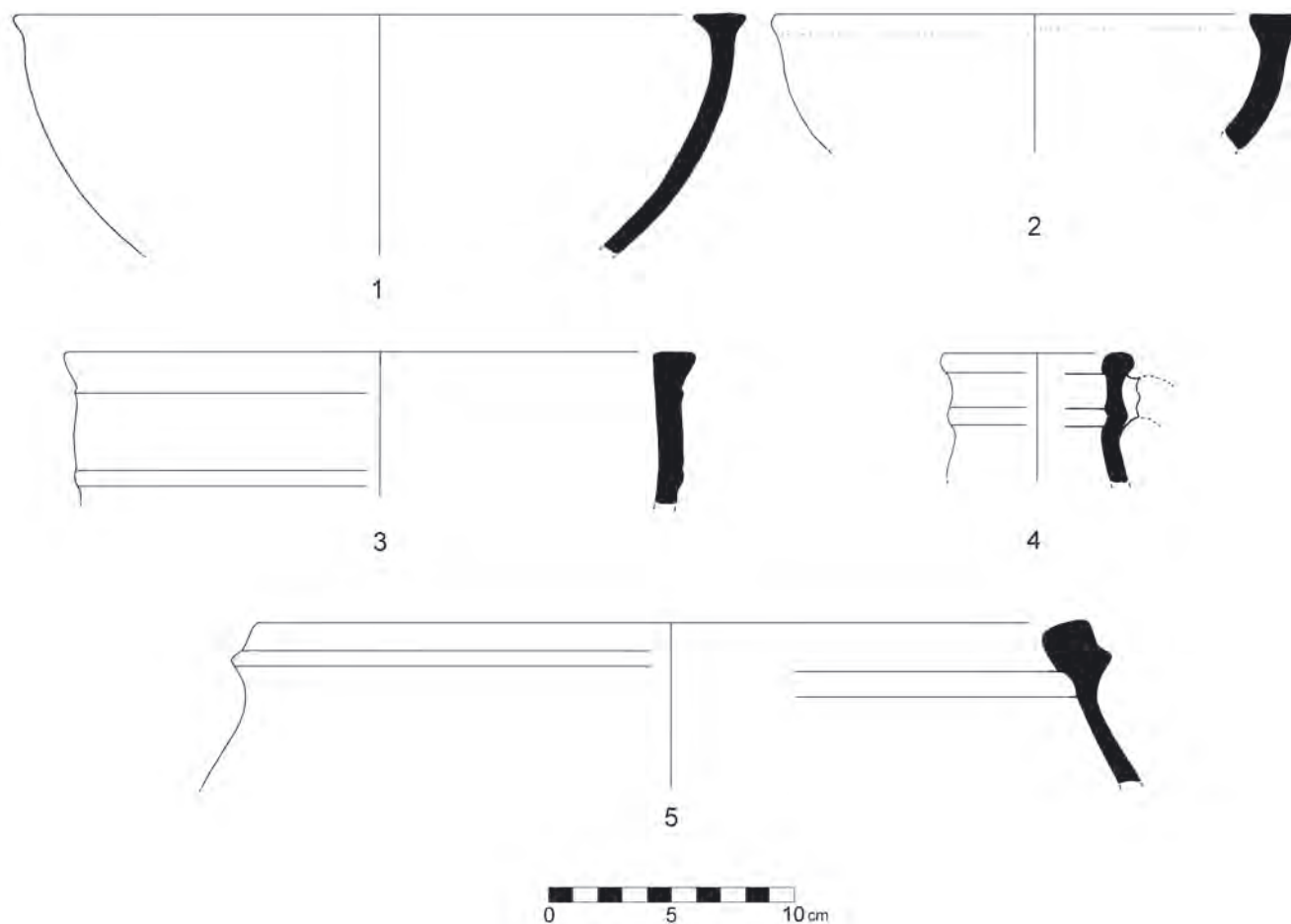


Fig. 386 Pottery from Phase XIV, Area 10 East

387:7	63	-5	Jug, hard-fired, red fabric, thick grey core, medium-fine, thick yellow slip, red decoration exterior.
387:8	72	N1150	Spindle whorl, green stone (serpentine?), Wt 30 g.
387:9	W529	N1151	Spindle whorl (?), limestone, Wt 20 g.

388:2	60	-1	Cooking pot, hard-fired, greyish-brown fabric, coarse, white inclusions, self slip.
388:3	50	-2	Cooking pot, hard-fired, light red fabric, coarse, white inclusions, self slip.
388:4	46	-1	Cooking pot, hard-fired, greyish-brown fabric, coarse, white inclusions, self slip.
388:5	52	-1	Cooking pot, hard-fired, greyish-brown fabric, coarse, white inclusions, self slip.
388:6	44	-1	Cooking pot, hard-fired, brown fabric, grey core, coarse, self slip.
388:7	78	-2	Cooking pot, hard-fired, brown fabric, light brown core, coarse, self slip.
388:8	78	-1	Cooking pot, hard-fired, brown fabric, thick grey core, coarse, self slip.

Legend for the illustrated pottery from Phase XV, Area 10 East

Fig.	Locus	No.	Description
388:1	78	-3	Cooking pot, hard-fired, brown fabric, grey core, coarse, mainly quartzite inclusions, self slip.

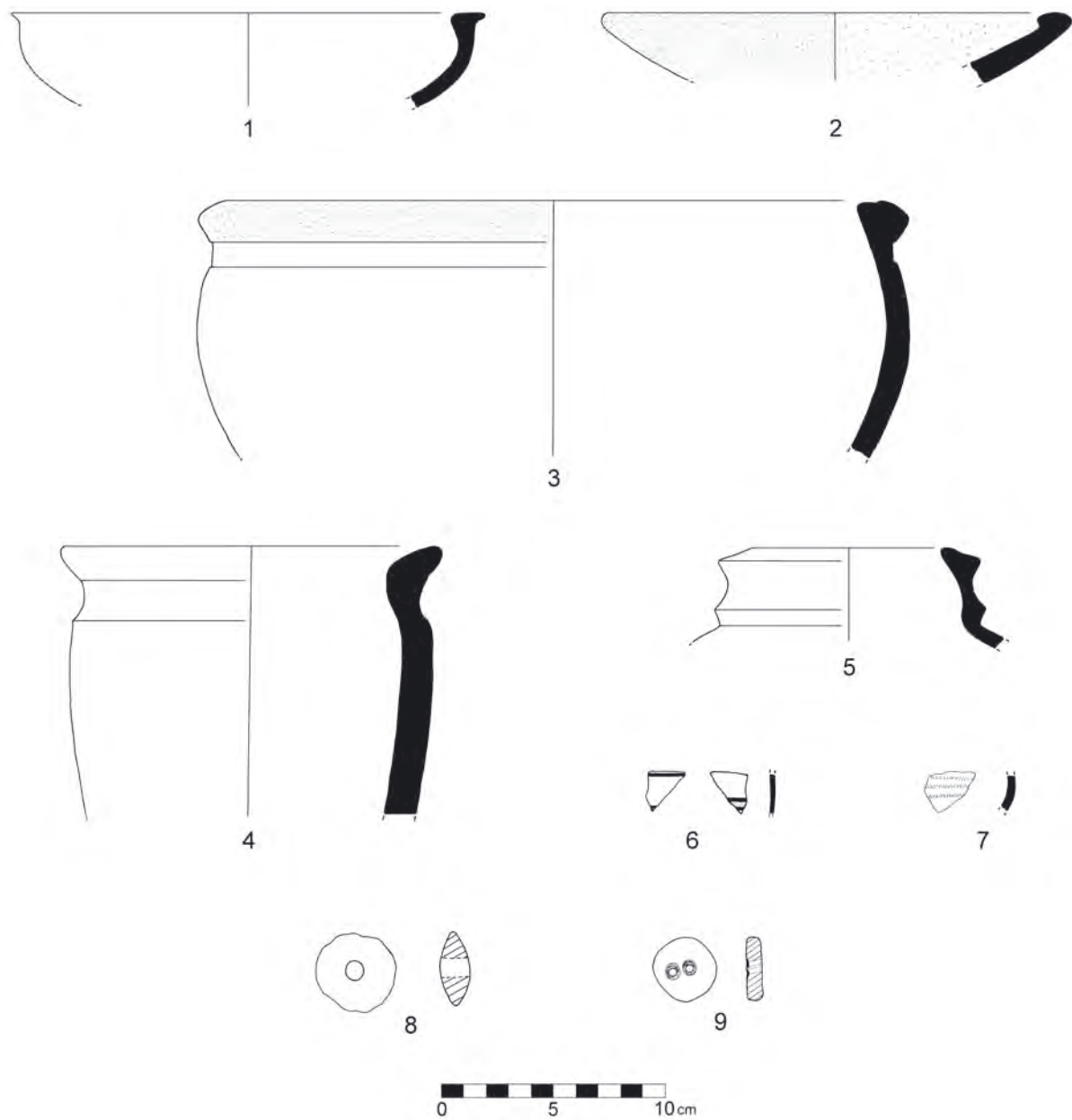


Fig. 387 Pottery and other finds from Phase XV, Area 10 East



Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
78'	pit burial	14		14	beads	Islamic pit tomb
82	pit burial		4 ud			Islamic pit tomb
87	pit burial				beads	Islamic pit tomb

Table 70 Description of the Islamic pit burials, Area 10 East

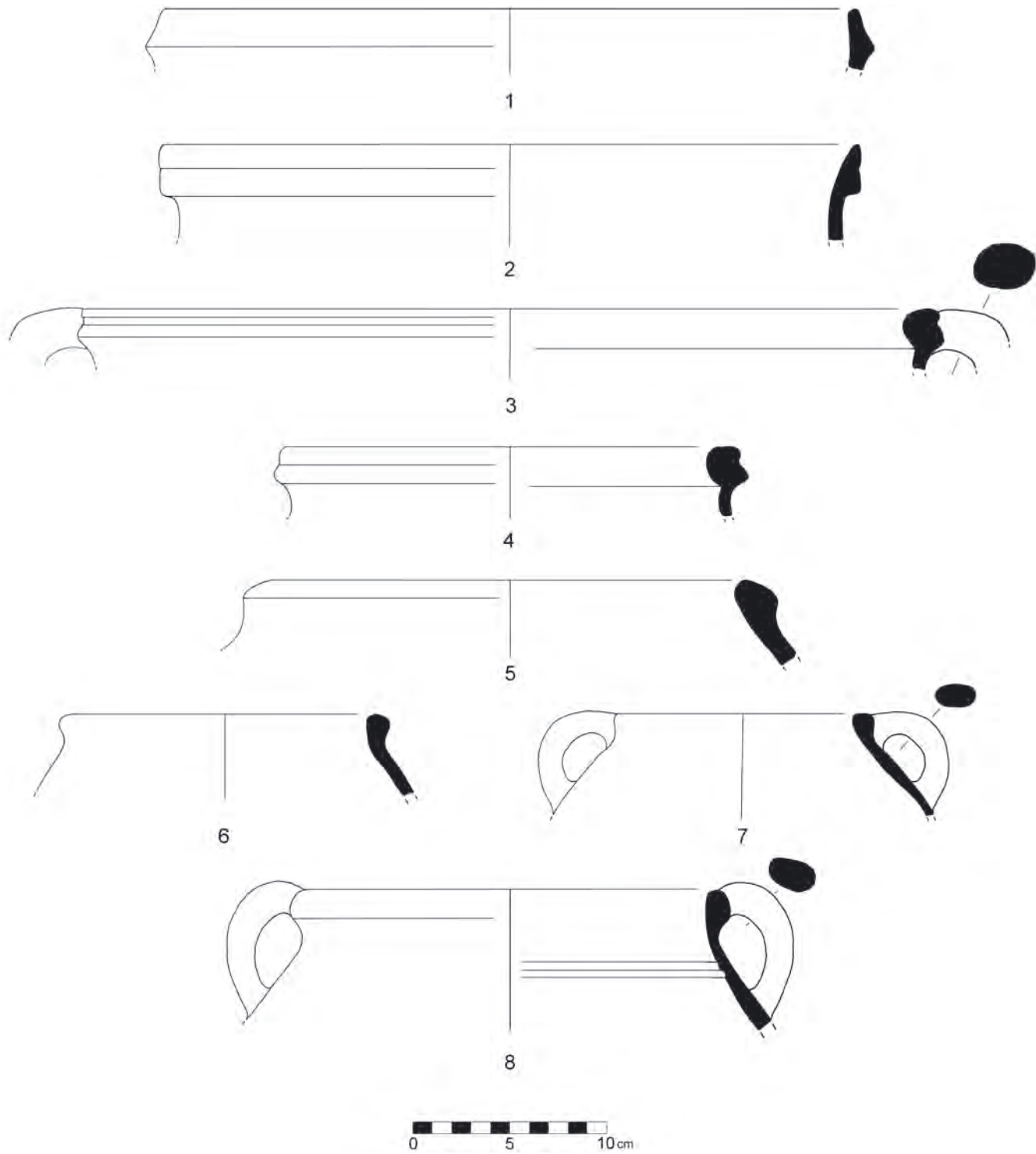


Fig. 388 Pottery from Phase XV, Area 10 East