

CHAPTER 2 STRATIGRAPHY, ARCHITECTURE AND FINDS

Peter M. Fischer

AREA 1

General information

There were two reasons for starting excavations in this specific area in 1989: one was to determine the – at that time – unknown occupational sequence of Tell Abu al-Kharaz because no previous excavations had been carried out at the site, and the other was that architectural remains were visible on surface.

The area lies in the south-western section of the upper part of the tell between Areas 2 and 9 (Figs. 8–9). It is situated in a fairly vulnerable part of the city, since the south-western descent from the city via Area 1 towards the Wadi al-Yabis and further down to the valley floor slopes only moderately in comparison to the approaches to the city from other directions, and is therefore more exposed to assailants (Fig. 4). The 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. These walls were built – as has been demonstrated during the course of the project – at various times over a period of some 4000 years, from the Early Bronze Age until Islamic times (FISCHER 2006a, 2008a). It should be mentioned that there is no stratigraphical connection between Area 1 and the closest areas, namely Areas 2, 3 and 9. Area 1 is separated from Area 2 by a short steep slope. The distance to Area 3 is approximately 10 m and that to Area 9 approximately 15 m. The main reason for not connecting these areas was the situation at the site between the excavation seasons: the entire tell is privately owned. Consequently surveillance by the Department of Antiquities or any other agency was impossible, which resulted in extensive looting around the margins of the exposed areas between the excava-

tion seasons, destroying connecting stratigraphical evidence.²²

The excavated portions of Area 1 lie in Grids MM–QQ / 28–31. From east to west they slope approximately 5 m, and from north to south they are fairly flat. The total size of the opened area is 386 square metres but it is only partly excavated (vertically). Parts of stone walls, mainly from the Iron Age but also from the Late Bronze Age, are visible on the surface. These run approximately north-east to south-west and north-west to south-east. The surface pottery is a mixture of all the periods found at Tell Abu al-Kharaz, although the Iron Age and the Early Bronze Age are the best represented here.

The excavations started in 1989 with Trenches I, II, V and VI. They were extended in 1995 towards the north and north-west (Trenches XXVIA–B, XXVIA–E and XXVIII) and in 1996 towards the north (Trenches XXIXA–B and XXXA–B). The oldest Iron Age sub-phases were badly preserved because their stone-built constructions were used to supply building material for more recent Iron Age structures.

PHASE XII, AREA 1²³ (Figs. 21–23)

Architecture and features

The oldest three sub-phases from the northern part of Area 1, Trenches XXIX and XXX, were poorly preserved. There are only minor portions of walls, partly reused from earlier periods, and badly damaged stone pavements, together with a number of loci which contain Iron Age material. The rudimentary walls are W377 and 378 and the somewhat later walls W374 and 375. Loci from which diagnostic pottery could be retrieved are: L278, 283, 284, 285, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 300, 303 and

²² Areas 7 and 9 were less affected by looting than the other areas. The situation improved in 2010 after fruitful negotiations with the new Director General of the Department of Antiquities of Jordan, Dr. Ziad Al-Saad, when a guard was appointed by the Department with the permission of the landowner. The helpfulness of Dr. Ziad and Mr. Muwafaq Al-Bataineh from the Yarmouk University in Irbid in con-

nection with the negotiations is hereby gratefully acknowledged.

²³ No plan is shown because the information which could be retrieved from one is extremely limited: there are just scattered bits and pieces of the disturbed architectural remains left; see instead the tables with the descriptions of the loci and walls.

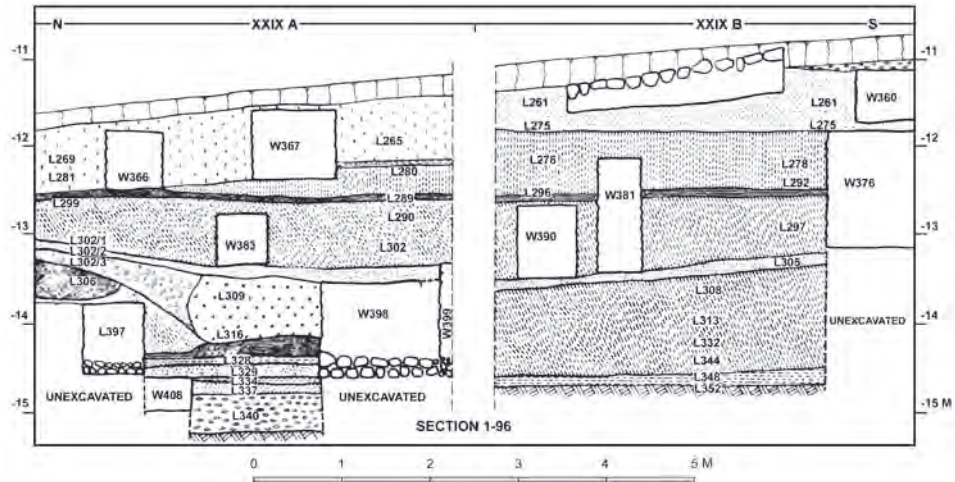


Fig. 12 Section 1-96. Area 1, east section Trenches XXIX A and B

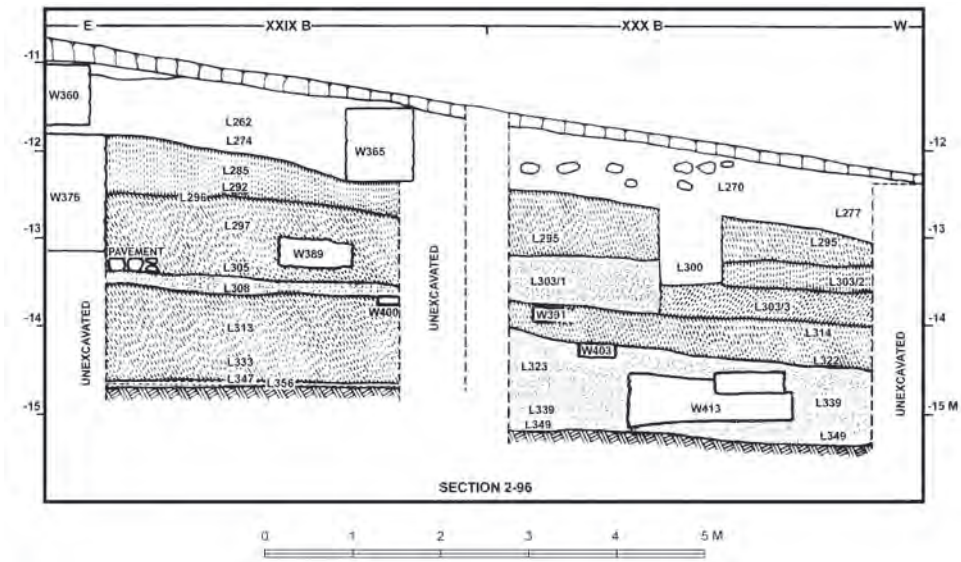


Fig. 13 Section 2-96. Area 1, south section Trenches XXIX B and XXX B

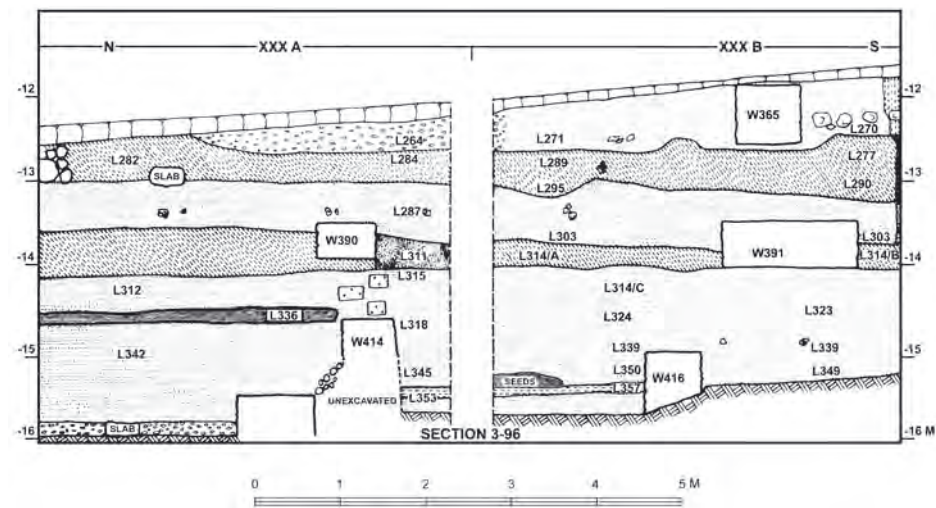


Fig. 14 Section 3-96. Area 1, east section Trenches XXX A and B

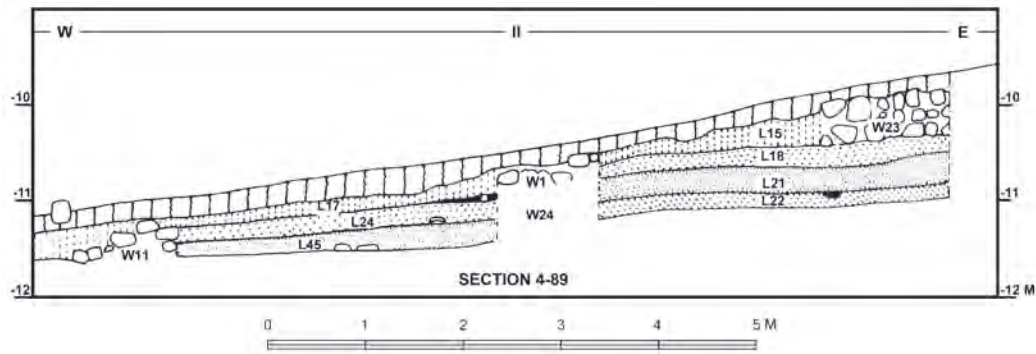


Fig. 19 Section 4-89. Area I, north section Trench II

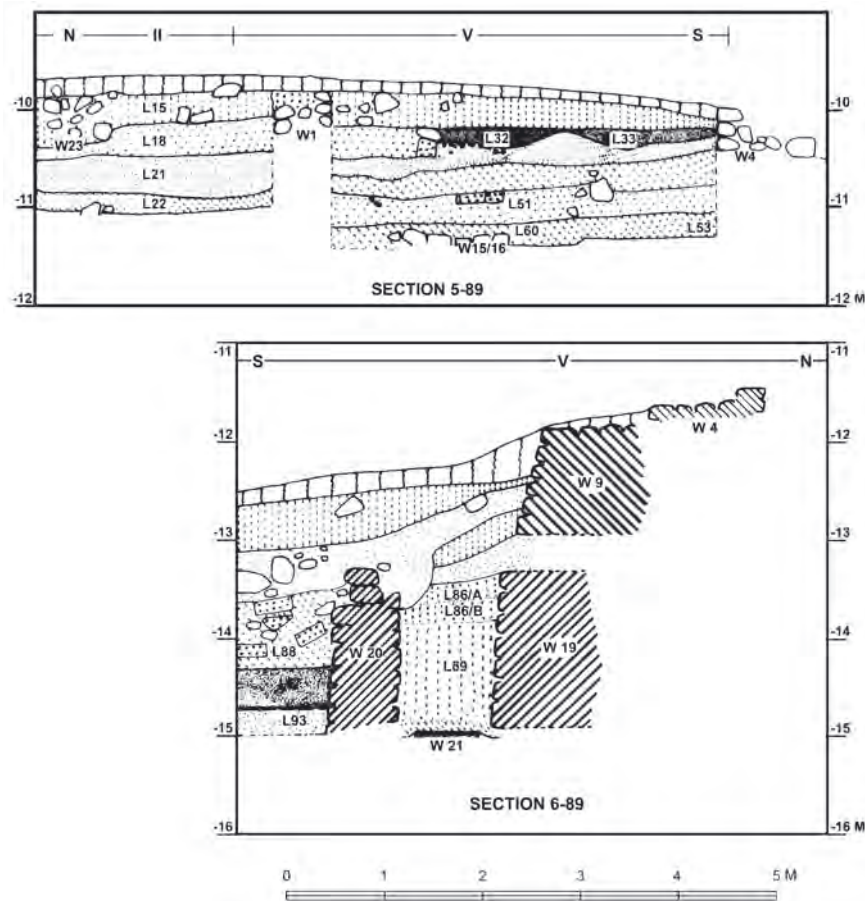


Fig. 20 Sections 5-89 and 6-89. Area I, east section Trenches II and V (upper) and west section Trench V (lower)

304; and inside walls or their foundations yielding finds are: W370, 374, 375, 377 and 378. Other features are postholes and fire places. Small finds include, in addition to pottery and amorphous pieces of iron, an arrowhead of iron, and stone tools, amongst them three mortars.

Interpretation of the material evidence

Any detailed interpretation would be highly speculative. The chronological value of the three sub-phases is dubious because of numerous disturbances from later Iron Age occupation.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
374	0.5	0.4	2			disturbed
375	0.5	0.3	2			disturbed
377	0.5	0.5	3			disturbed
378	0.5	0.25	1			disturbed
381	0.5	1.3	9			reused from MB/LB

Table 1 Description of the walls of Phase XII, Area 1

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
278	fill above destruction layer	11	5 b, 1 k, 4 j, 2 jl, 1 stj, 10 sj, 4 cp, 1 dec, 283 ud			partly disturbed
283	fill above destruction layer	9	1 sj, 4 cp, 66 ud			partly disturbed
284	fill above destruction layer	1	3 b, 1 j, 5 sj, 1 cp, 72 ud			partly disturbed
285	fill above destruction layer	2	2 b, 4 k, 5 sj, 2 cp, 135 ud			partly disturbed
287	fill, destruction debris	59	-1 tri, -3 k/hm, -4 hm, 41 b, 1 cb, 1 g, 22 k, 17 j, 8 jl, 1 dt, 2 ja, 77 sj, 2 l, 38 cp, 2 dec, 1 bid pf, 1522 ud			partly disturbed
288	fill above destruction layer	7	-1 cp, -3 b, 3 b, 5 j, 9 ja, 5 cp, 2 dec, 201 ud			partly disturbed
289	ash, destruction debris, o.d.	6	3 b, 2 k, 7 j, 8 sj, 4 cp, 1 BoR jl, 193 ud			disturbances, import from Cyprus
290	fill below destruction layer	13	-1 cb, 7 b, 1 cb, 2 k, 4 j, 2 ja, 12 sj, 6 cp, 232 ud			partly disturbed
291	ash, destruction debris, o.d.	7	5 j, 1 ja, 11 sj, 1 l, 3 cp, 110 ud			partly disturbed
292	fill above destruction layer	6	-1 k, -2 cp, -3 b, 7 b, 6 k, 3 j, 6 sj, 1 cp, 1 Ass b, 9 dec, 361 ud			partly disturbed, Assyrian-type bowl
293	fill above destruction layer	20	1 jl, 1 ja, 7 ud			partly disturbed
294	stone pavement, partly preserved	1	1 j, 1 dec, 24 ud			partly disturbed
295	fill above destruction layer	19	-1 b, 8 b, 1 k, 1 jl, 3 j, 15 ja, 3 sj, 7 cp, 335 ud			partly disturbed
296	ash, destruction debris, o.d.	6	2 sj, 1 cp, 62 ud			partly disturbed
297	fill below destruction layer	175	-1 b, -2 k, 2 b, 9 k, 11 j, 1 jl, 15 sj, 1 cp, 4 dec, 358 ud			partly disturbed
298	ash, destruction debris, o.d.	8	2 b, 2 k, 2 j, 1 jl, 4 sj, 1 dec, 196 ud			partly disturbed
300	pit, d. 0.7	47	-2 cp, -3 k, 1 b, 1 k, 6 j, 4 cp, 132 ud			starts higher up
303	fill above destruction layer	469	-1 sj, -2 j, -3 cb, -5 cb, -6 k, -7 sj, 14 b, 7 k, 2 jl, 21 j, 1 ja, 17 sj, 2 hm, 23 cp, 1 dec, 835 ud		-8	partly disturbed
304	pit, d. 0.8	1	4 b, 2 k, 6 sj, 1 cp, 101 ud			partly disturbed
W370	inside wall		1 k, 3 sj, 32 ud			
W374	from foundation	11	-1 b, -2 jl, -3 k, 1 b, 1 k, 5 sj, 1 cp, 71 ud			
W375	from foundation	10	71 ud			
W377	inside wall		1 b, 1 k, 1 j, 1 cp, 79 ud			
W378	inside wall	125	-1 cb, -2 b, 231 ud			

Table 2 Description of the loci of Phase XII, Area 1

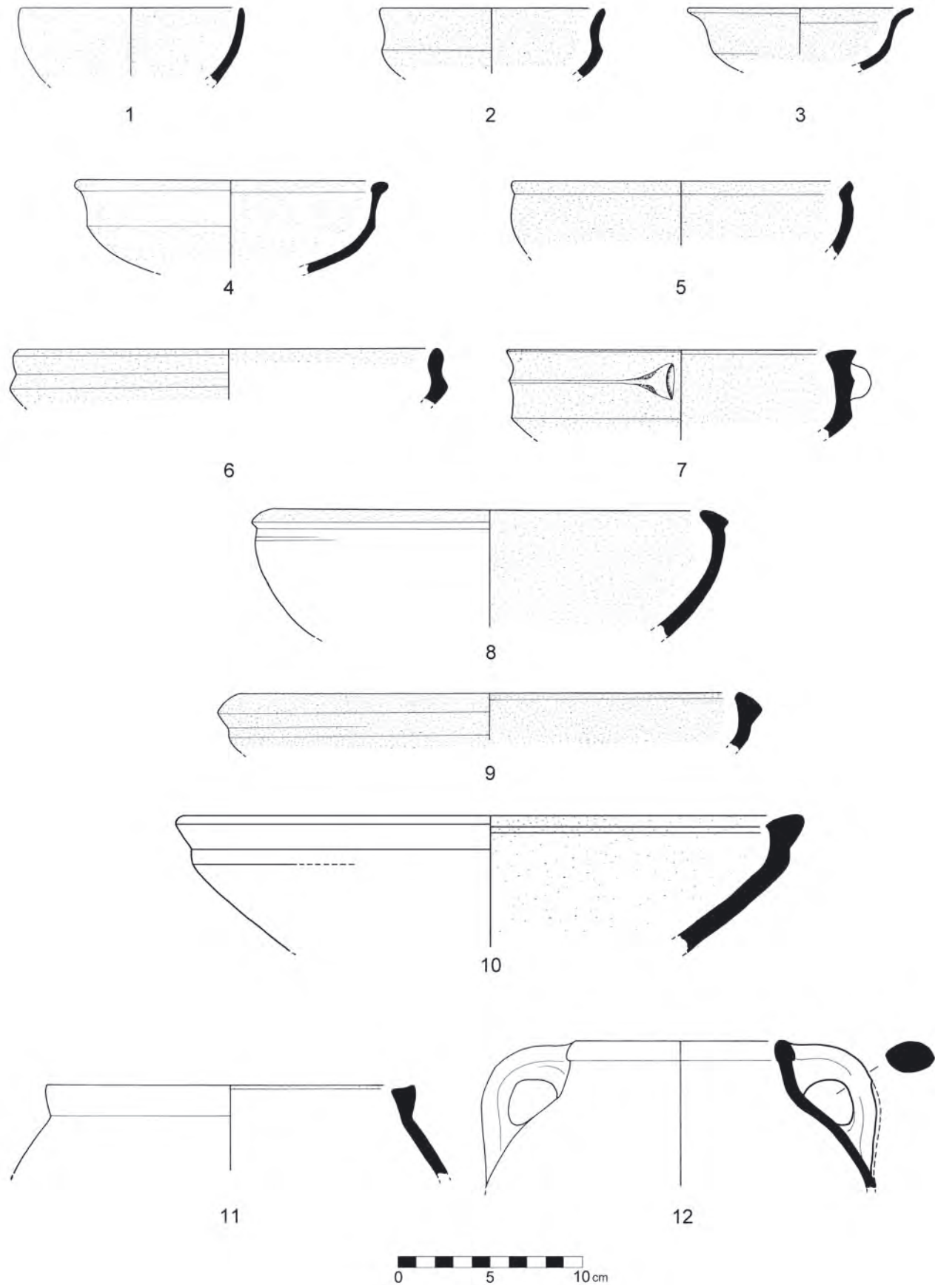


Fig. 21 Pottery from Phase XII, Area 1

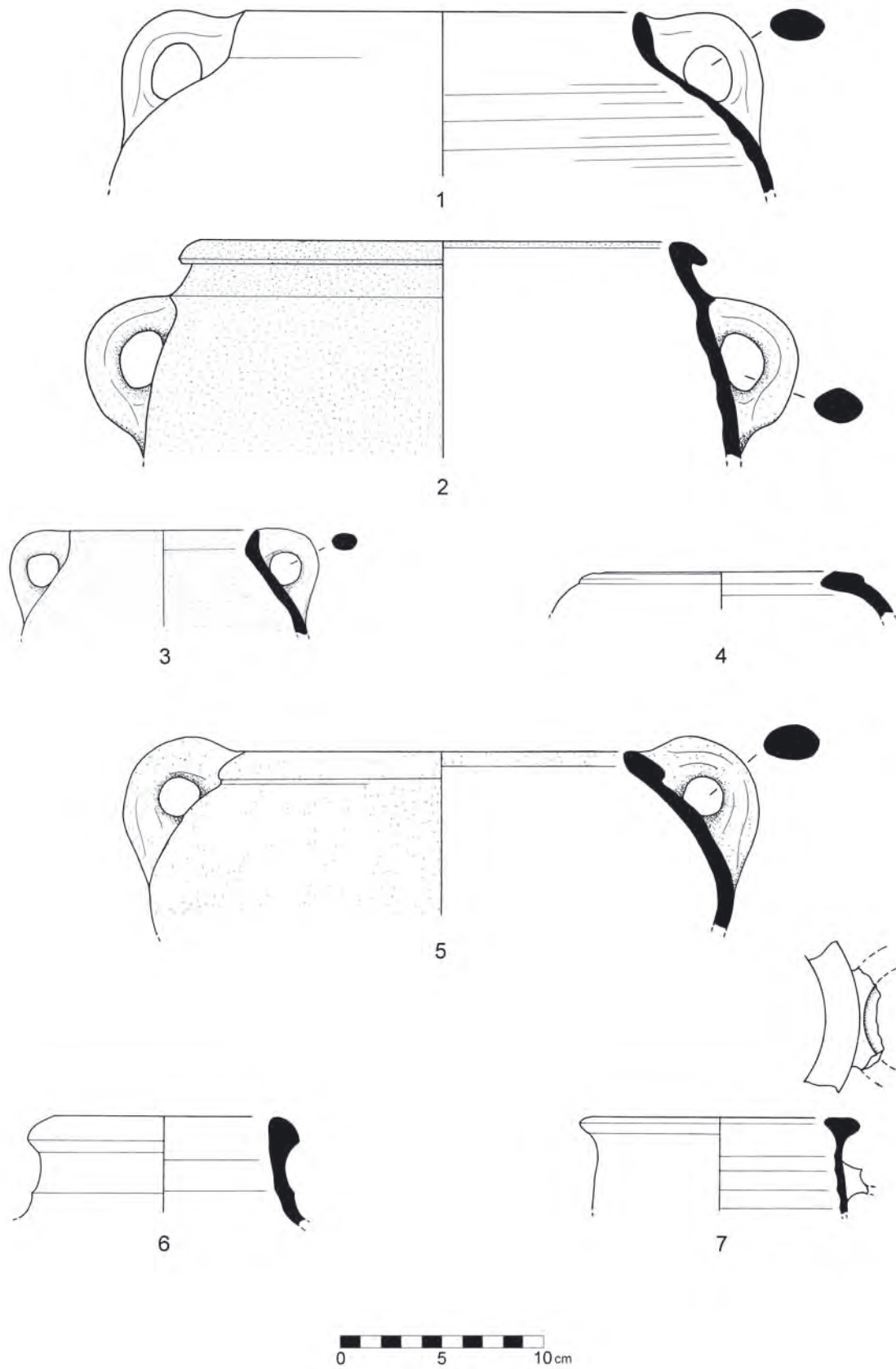


Fig. 22 Pottery from Phase XII, Area 1

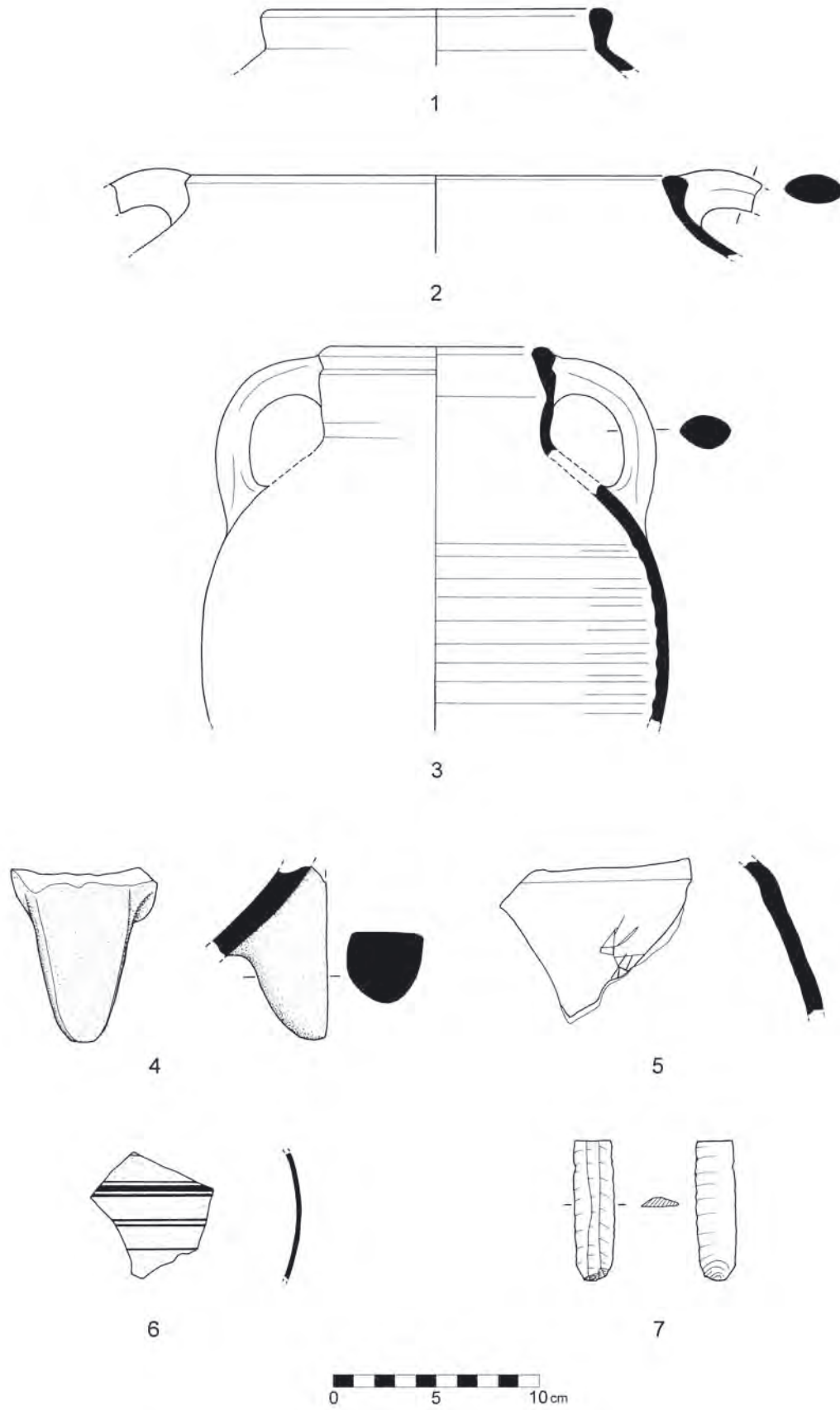


Fig. 23 Pottery and one lithic from Phase XII, Area 1

Legend for the illustrated pottery from Phase XII, Area 1

Fig.	Locus	No.	Description
21:1	W374	-1	Bowl, hard-fired, light brown fabric, medium-fine, dark brown slip, burnished interior and exterior.
21:2	303	-3	Carinated bowl, hard-fired, light brown fabric, fine, self slip, red wash interior and exterior.
21:3	288	-3	S-bowl, hard-fired, yellowish-brown fabric, medium fine, mainly black inclusions, yellowish-brown wash.
21:4	W378	-1	Carinated bowl, medium-hard-fired, yellowish-brown fabric, light grey core, medium-coarse, mainly grey inclusions, red slip.
21:5	295	-1	Bowl, hard-fired, yellowish-brown fabric, medium-coarse, mainly black inclusions, self slip, red wash exterior.
21:6	290	-1	Carinated bowl, medium-hard-fired, yellowish-brown fabric, medium-coarse, mainly grey inclusions, yellow slip, red wash.
21:7	303	-5	Carinated bowl, hard-fired, brownish-red fabric, medium-fine, light red slip, red wash, plastic "trumpet" decoration.
21:8	292	-3	Bowl, hard-fired, yellowish-brown fabric, coarse, grey and black inclusions, yellow slip, red wash.
21:9	W378	-2	Bowl, hard-fired, yellowish-brown fabric, light brown core, fine, thick red burnished slip.
21:10	297	-1	Bowl, medium-hard-fired, brown fabric, coarse, mainly grey inclusions, red slip, burnished interior and exterior.
21:11	300	-3	Krater, hard-fired, light brown fabric, coarse, mainly grey inclusions, reddish-brown wash.
21:12	297	-2	Krater, medium-hard-fired, yellowish-brown fabric, coarse, grey inclusions, yellowish-brown slip.

Legend for the illustrated pottery from Phase XII, Area 1

Fig.	Locus	No.	Description
22:1	W374	-3	Krater, medium-hard-fired, yellowish-brown fabric, coarse, mainly grey inclusions, yellow slip.
22:2	292	-1	Krater, hard-fired, brownish-red fabric, thick grey core, medium-coarse, mainly grey inclusions, self slip, red wash.
22:3	W374	-2	Juglet/small krater, hard-fired, fine fabric but a few large inclusions, red slip.
22:4	287	-4	Hole-mouth jar, hard-fired, light brown fabric, fine, light yellow slip.
22:5	287	-3	Krater/hole-mouth jar, hard-fired, yellowish-brown fabric, thick grey core, coarse, mainly grey inclusions, self slip, red wash.

22:6	303	-1	Storage jar, hard-fired, light brown fabric, coarse, multicoloured inclusions, light yellowish-brown slip.
22:7	303	-7	Storage jar, hard-fired, reddish-brown fabric, thick grey core, fine, red slip.

Legend for the illustrated pottery and one lithic from Phase XII, Area 1

Fig.	Locus	No.	Description
23:1	288	-1	Cooking pot, hard-fired, reddish-brown fabric, grey core, mainly white inclusions, self slip.
23:2	300	-2	Cooking pot, hard-fired, brownish-red fabric, grey core, coarse, mainly white inclusions, self slip.
23:3	292	-2	Cooking pot, hard-fired, reddish-brown fabric, thick grey core, quartz inclusions, self slip.
23:4	287	-1	Tripod bowl (stump leg), hard-fired, orange fabric, thick dark grey core, coarse, mainly white inclusions, self slip.
23:5	303	-6	Krater, hard-fired, light brown fabric, coarse, multicoloured inclusions, pinkish-yellow slip, incised decoration of possible deer.
23:6	303	-2	Jug, hard-fired, light brown fabric, fine, light yellow slip, burnished, brown decoration.
23:7	303	-8	Lithic, blade, trapezoidal section.

PHASE XIII, AREA 1 (Figs. 24, 25)**Architecture and features**

Fairly well preserved structures from this phase were found only in the south-western part of Area 1, Trenches XXVII and XXVIII. Walls 333 and 344 correspond to the Iron Age city wall which was built upon the city wall from the Middle/Late Bronze Age, of which considerable portions were reused. Wall 345 protrudes from the city wall as a kind of buttress. There is an approximately 1.2 m wide opening in W333. A stone-paved space (L201, 204, 206, 209', 210') is bordered by W327/302, which is built perpendicularly to the city wall, and W329/300, which runs parallel to the city wall at a distance of approximately 4 m. To the north is another wall, W330, parallel to W327/302.

Small finds include four arrowheads of iron (N985, N987, N990, N992), a knife of iron (N991), a ring of bronze (N1005), a mace head of white limestone (N988) and a millstone of porous basalt.

Interpretation of the material evidence

The builder of the Iron Age city wall took advantage of the well-constructed city walls from the MB/LB

and built upon them. The small opening in the city wall is interesting: it is so far the only opening in the arrays of city walls from the Iron Age. It may represent a small gate or, less likely, a kind of observation window. The function of the stone-paved room might have been a room for soldiers who guarded the gate: the five weapons of iron may point to that.



Fig. 24 Plan of Phase XIII, Area 1

Legend for the illustrated pottery from Phase XIII, Area 1

Fig.	Locus No.	Description
25:1	below -1 W361	Bowl, hard-fired, yellowish-brown fabric, medium-coarse, mainly grey inclusions, red slip on rim and interior.
25:2	209' -1	Cooking pot, hard-fired, brown fabric, dark grey core, coarse, quartz inclusions, self slip.
25:3	209' -2	Cooking pot, hard-fired, brownish-red fabric, thick dark grey core, coarse, mainly white inclusions, self slip.

Additional finds from Phase XIII, Area 1 (listed, not illustrated)

Locus No.	Description
210' N985	Arrowhead, iron, parts of wooden shaft preserved, L 6.4, W 1.2, Th 0.4, L of shaft 0.9 cm.
204 N987	Arrowhead, iron, L 7.0, W 1.6, Th 0.9 cm.
204 N988	Mace head, limestone, L 6.4, max. d. 5.8 cm.
204 N990	Arrowhead, iron, L 6.9, W 1.8, Th 1.0 cm.
206 N991	Knife, iron, L 17, W 2.6, Th 0.9 cm.
210' N992	Arrowhead, iron, L 6.8, W 2.0, Th 0.8 cm.

PHASE XIV, AREA 1 (Figs. 26–42)

Architecture and features

This is the best preserved Iron Age phase in Area 1. In the central part of Area 1 is a square compound, approx. 9 m × 9 m in size, which is built against the city wall (W333, 344, 345) and which was destroyed in a conflagration. A bench was built against the south-eastern outer wall, where there is also a 0.3 m wide sewer for drainage, (L113'). Finds from this part include a spindle whorl of alabaster (N947), a millstone (N948), a Black Juglet (N939; Figs. 30, 33:13 and 458:3) and additional tools of clay (loom weight) and stone (pestle). There is a gate in the south-western part of the centrally placed courtyard (L210). The

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
327/302	0.6	0.4	2			
329/300	0.6	0.3	2			
330	1.3+	0.6	3			
333	1.55	0.9	7			city wall
344	1.55	0.9	7			city wall
345	1.55	0.35	2			possible buttress

Table 3 Description of the walls of Phase XIII, Area 1

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
201	fill above stone pavement L204		6 ud			
204	stone pavement		3 ud		N987, N988, N990	
205	surface, o.d.		5 ud			
206	in stone pavement		4 ud		N991	
207	pit, d. 0.4		11 ud			
209'	surface, o.d.		-1 cp, -2 cp			
210'	surface, o.d.		3 b, 3 cp, 2 ud		N985, N992	connected with city gate
W277	below wall	2	2 sj, 16 ud			
W279	below wall	1	2 sj, 31 ud			
W360	below wall	1	3 b, 1 k, 2 j, 3 sj, 3 cp, 66 ud			
W361	below wall	4	-1 b, 3 b, 10 sj, 2 cp, 153 ud			

Table 4 Description of the loci of Phase XIII, Area 1

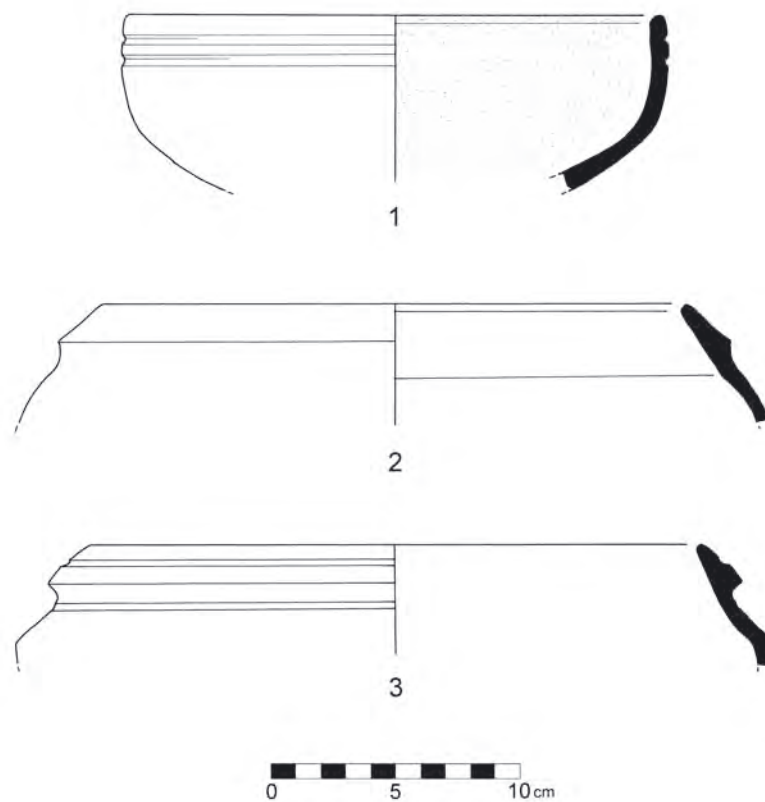


Fig. 25 Pottery from Phase XIII, Area 1

1.2 m wide gate appears to be an opening in the city wall, but it is in fact built on top of the older city wall (MB/LB, see above). The older wall was used to approach the gate. The space between the outer walls of the square structure (W277, 279, 273) and the inner walls which enclose the courtyard (W326, 274, 293) is 1.6 m wide and partly stone-paved (L124, 105, 116, 123, 129). There is a small room to the south (L113 with the bead N949) from which the stone-paved space could be reached. Another entrance to the courtyard is from the north-west.

The central courtyard (L106, 119, 129', 140) once contained a loom standing in the north-eastern corner close to the entrance to the stone-paved room: there are many spindle whorls and loom weights. Other objects are cooking pots and other vessels, for example a Black Juglet, cooking pots and a krater standing on three loop-handles, mortars and pestles, knives and arrowheads of iron (N941–944, N952, N967). A sewer (L200, 202) is placed along the north-western interior wall of the courtyard.

An elaborated cosmetic palette of limestone derives from the courtyard (N954; Figs. 39:3, 453:10, 465:3; see Appendix 3). It was found slightly damaged and has been exposed to fire. The convex side is divided into three zones. There are two double, trumpet-like, ledge handles which are usually found as a plastic decoration on ceramic vessels from the second part of the Iron Age. The other side is flat, with a deep depression in the centre, half the diameter of the object. The flat side is decorated with a geometrical pattern displaying from the outer perimeter a plain band, followed by an engraved rope pattern, a plain concentric circle, two concentric circles with 15 plain and 15 cross-hatched patterns (each showing 3×4 square fields) between them, a plain band flanked by two concentric circles and another rope decoration.

A fairly large cistern (W283, 317; L111, 126, 134, 138, 168', 150, 176'), minimum 5 m wide and 2 m deep, is to the east of the compound at a distance of roughly 5 m (L110, 112, 125). Finds from the area around the cistern are pestles (one is N970), a stone mortar (N971) and a broken-off "handle" of a bronze object. There is also a badly preserved "wall" (W290).

To the north of the compound is a stone-paved, somewhat irregular, room bordered by W370, 365, 276, 278, 281, 280, 273. It is some 7 m long and 5 m wide (L270, 277, 104, 118, 135, 108). There is a clay container supported by stones to the east (L107) and a bench with a millstone to the south. This room could be approached both from the south via a corridor and from the east through an opening in W365. The area further north is not so well preserved. There are the

scanty remains of additional walls (W379, 372) which once bordered two spaces: one was stone-paved (L272, 283) and the other had a surface of gravel (L264, 282, 268).

There is another compound, only partly exposed, to the east (W275, 360, 361, 367, 366, 380; and loci L261, 275, 265, 280, 269, 281). A *tabun*, a storage jar (N1012), a juglet (N1010) and two iron arrowheads (N1007, N1008) are amongst the finds in the northern portion of the eastern compound.

An alley, which was closed at certain locations, zig-zags between the two compounds (L109, 262, 274, 271, 286, 273, 266, 279, 267): door sockets and stone thresholds were found there. Other installations and objects from the passage are: two *tawabeen*, millstones, a stone weight (reused mortar?), a jug (N1009) and a lamp (N1011).

The south-easternmost part of Area 1 contains the continuation of the city wall (here numbered W4). Three walled spaces which are separated by a partly stone-paved area from the central compound of Area 1 were built against the city wall. One is enclosed by W11, 1, 2 (with a 0.5 m entrance) and W4 (L14, 17, 20, 24, 35, 45). Amongst the finds are a complete jar (N2), a carinated bowl (N16; Fig. 28), a jug (N17) and a stone bowl (N14). Other finds are 25 loom weights of unfired clay (N15) and a bronze-iron fibula with elaborate decoration (N43). Two 5 mm large carnelian beads were still attached to the needle of the fibula.

The next space to the east could be entered through the entrance in W2 (L19, 23, 27, 34). It is bordered by W2, 1, 5 and 4. Finds were storage jars (N24, N27, N29), additional cooking pots (N30, N31), an iron blade (N25) and a flint blade (N33). A worked shell was found close to the foundation of W2 (N67; Figs. 39:4, 465:5; see Appendix 3). The almost circular, yellowish-white, alabaster-like shell was highly polished. It has three holes and several pattern-drilled depressions.

The next room (L32), bordered by W1, 5 and 4, contains three roof-supporting stone slabs. They were found centred in the room about 2 m south-east of and parallel to W5. A hearth (L33) was in the southern room between two of the roof supports. A complete cooking pot (N28) was exposed *in situ* on a bed of stones in the centre of the hearth. Another one was partly exposed in the eastern section (N45). To the north-east of these three spaces is a corridor-like room bordered by W1 and W3/23 (L10, 15, 16, 18, 21, 22). It contained some tools of stone (N8, N9). The area outside the city wall W4 produced numerous other finds but they may belong to different periods.

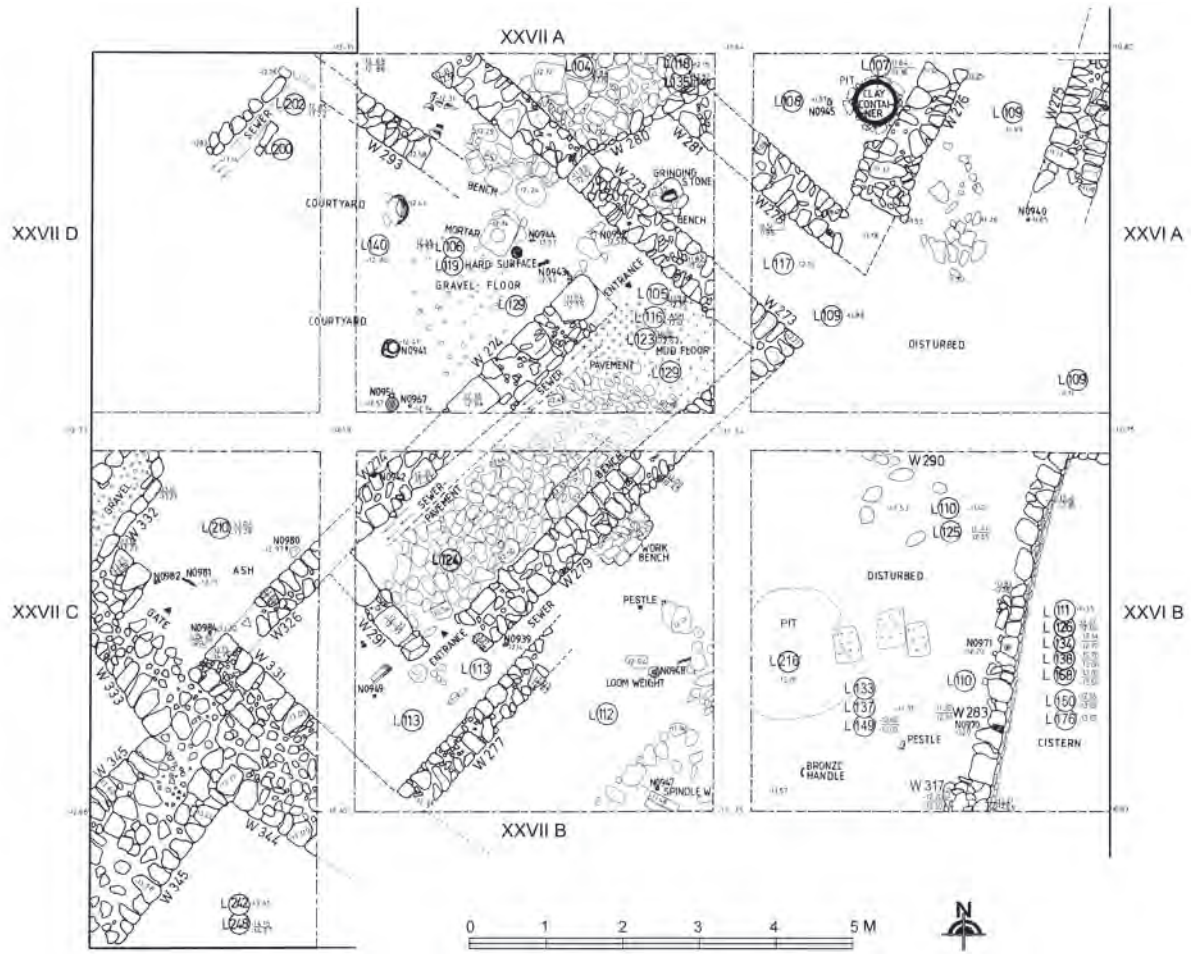


Fig. 26C Plan of Phase XIV, Area 1, central part

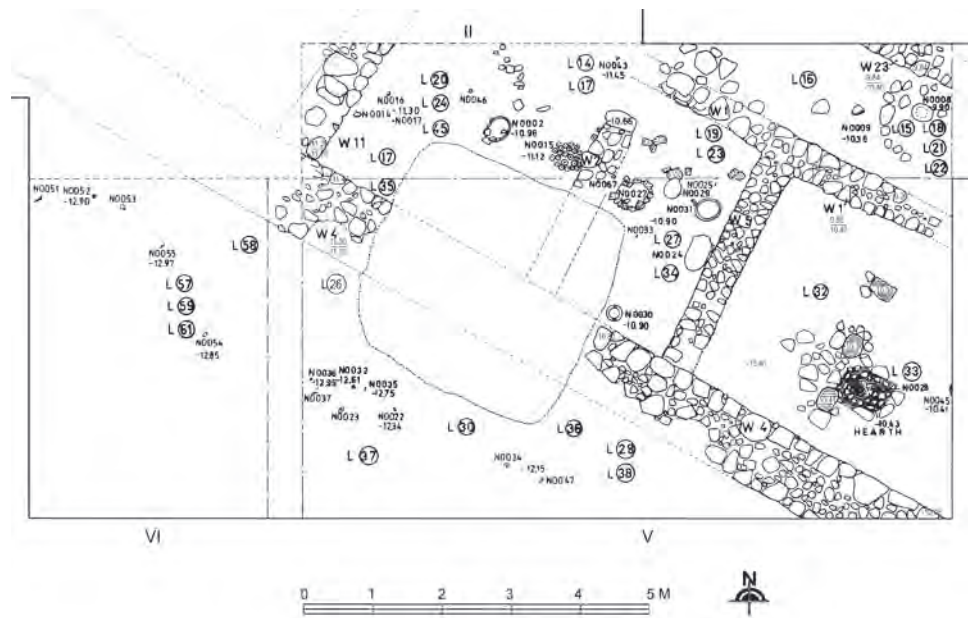


Fig. 26D Plan of Phase XIV, Area 1, southern part

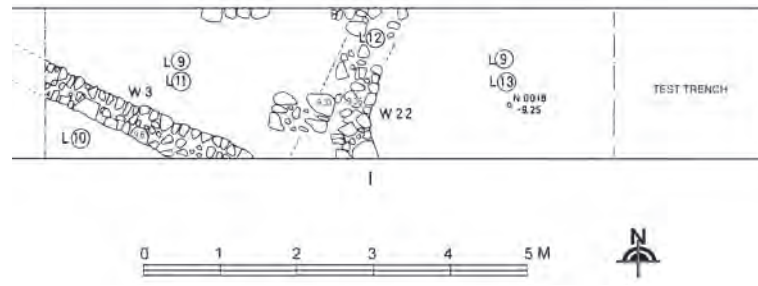


Fig. 26E Plan of Phase XIV, Area 1, south-eastern part

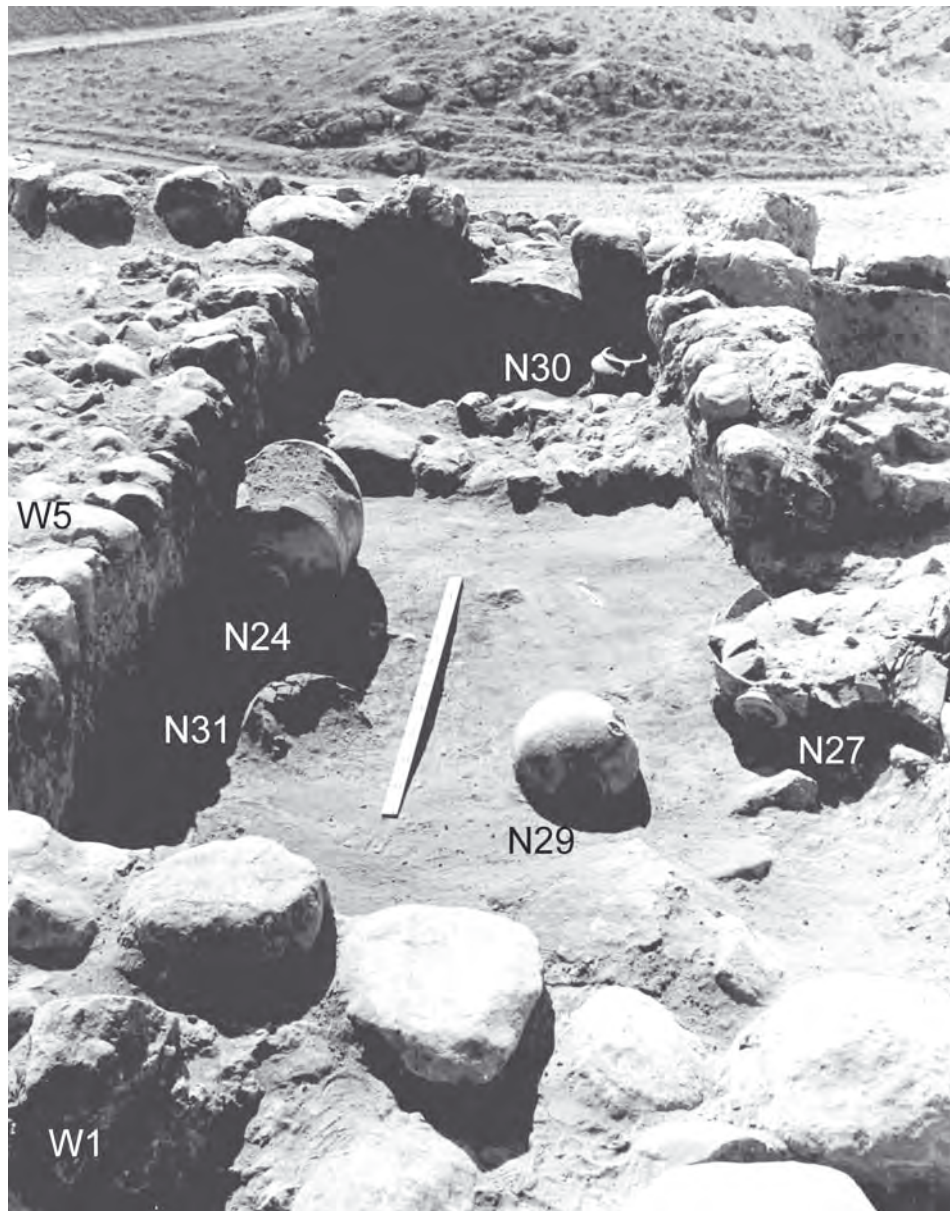


Fig. 27 Phase XIV, southern part of Area 1 looking south

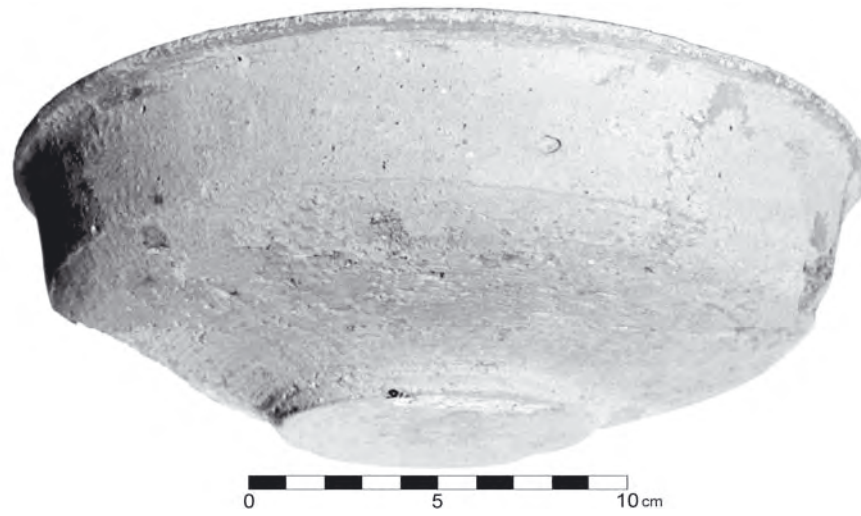


Fig. 28 Phase XIV, Area 1. Carinated bowl N16



Fig. 29 Phase XIV, Area 1. Juglet N53



Fig. 31 Phase XIV, Area 1. Jar N24



Fig. 30 Phase XIV, Area 1. Black Juglet N939

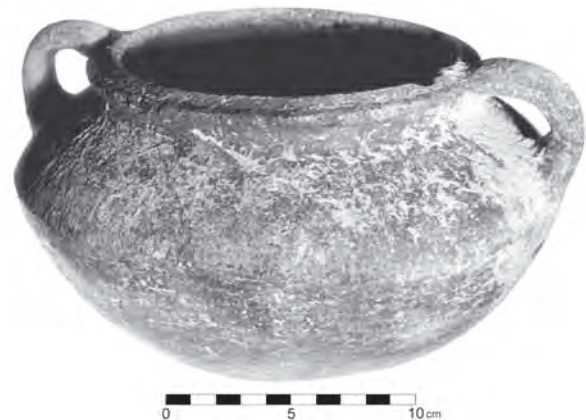


Fig. 32 Phase XIV, Area 1. Cooking pot N30

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
1	0.5	0.6	3			
2	x	0.1-2	1			demolished
3/23	0.5	0.6	3			
4	>1	0.4	2			
5	0.5	0.6	3			
11	0.75	0.5	3			
22	0.75	0.3	1			
273	0.4	0.6	2			
274/326	0.3-0.5	0.65	3			
275	0.75	0.4	2			
276	0.5-0.75	0.4	2			
277	0.5	0.6	3			
278/281	0.6	0.45	2			
279	0.6	0.4	2			
280	x	x				border of platform
283/317	0.3	2.0	6-8			wall of cistern
290	x	0.1	1			demolished
291	0.3	0.4	2			
293	0.3	0.3	1			
331/333/344	1.5-1.6	0.9	4			
332	x	0.1	1			partly exposed
345	1.5	0.3	1-2			
360	0.5-0.8	-0.7	3-4			
361	0.5	0.4	2			
365/379	0.5	0.5-0.8	3-4			
366	0.5	0.7	3			
367	0.6	0.8	4			
370/371	0.5	0.5	2			
372	0.5	0.4	2			
380	0.6	0.65	3			

Table 5 Description of the walls of Phase XIV, Area 1

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
9	fill above floor	1	1 b, 1 cp			
10	fill above floor		1 b			
11	floor of room	1	3 b, 1 k, 4 cp			
13	floor of room	3	3 b, 1 k		N18	
14	fill above floor		N2 ja, -1 k			
15	fill above floor		-2 cb		N8, N9	
16	fill above floor		5 ud			
17	fill above floor		12 ud			
18	fill above floor		18 ud			

Table 6 Description of the loci of Phase XIV, Area 1

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
19	fill above floor		-1 k, -2 k			
20	fill above floor		2 ud			
21	fill above floor		5 ud			
22	floor of room		-1 c, 1 b, 2 ep			
23	floor of room		N24 sj, N27 sj, N30 cp, -1 ep, 1 ep			
24	floor of room		N16 cb, N17 j-dt, N46 ep, -2 k		N14, N15	
27	floor of room		4 ud		N27, N33	
28	fill outside city wall W4					mixture of periods
30	fill outside city wall W4		N22 jl, -1 cb		N23, N34	mixture of periods
32	floor of room		23 ud			
33	hearth		N28 cp, N45 ep, 3 ud			
34	floor of room		N29 ja, N31 ep, 4 ud			
35	floor of room		2 ud			
36	fill outside city wall W4		N47 cp		N47	mixture of periods
37	fill outside city wall W4		N37 b		N32, N35, N36	mixture of periods
38	fill outside city wall W4					mixture of periods
45	destruction debris		1 b		N43	some disturbances
57	fill outside city wall W4	N56	N53 jl, N57 ep, 2 cp, 1 sj		N51, N52, N54, N55	mixture of periods
58	fill outside city wall W4			2		mixture of periods
59	fill outside city wall W4					mixture of periods
61	fill outside city wall W4	1	1 cp			mixture of periods
104	stone pavement, o.d.	2	-1 k, 1 j, 3 ep, 94 ud	1?		
105	fill above ash layer	1	1 b, 1 sj, 36 ud	1		
106	fill just above floor		N941 ep, -1 k, 1 sj, 2 cp, 23 ud			
107	clay container, d. 0.4	7	-1 k, 3 b, 3 k, 2 j, 32 sj, 3 ep, 236 ud	5		
108	hard-packed soil with ash	1	N945 bjl, -1 k, 1 b, 1 k, 4 ja, 12 cp, 2 dec	5		
109	fill with ash	6	1 b, 1 k, 12 sj, 8 cp, 28 ud	2	N940	
110	disturbed area	22	-1 k, 3 b, 3 k, 2 jl, 2 j, 1 ja, 2 sj, 7 cp, 8 dec, 317 ud	6		
111	cistern, fill	1	1 j, 4 sj, 1 ep, 37 ud	1		
112	hard-packed soil with ash	6	-1 k, -2 sj, 2 b, 4 k, 2 jl, 1 dt, 15 sj, 1 l, 3 cp, 1 dec, 304 ud		N947, N948	
113	hard-packed soil with ash		-1 cb, 1 b, 1 sj, 39 ud		N942, N949	
113'	sewer		N939 bjl			
116	ash above floor		-1 j-dt, 10 ud			
117	fairly soft surface with pebbles	4	-1 cult vessel (?), -2 cp, 2 b, 1 k, 2 sj, 1 ep, 86 ud			
118	stone pavement, o.d.		4 ud			
119	hard surface	4	1 b, 1 cb, 1 k, 1 jl, 1 j, 2 sj, 92 ud		N943, N944	
123	clay floor		7 ud			
124	stone pavement, o.d.		6 ud			
125	disturbed area	42	15 j, 1 sj, 4 dec			
126	cistern, fill	20	1 b, 2 j, 1 ja, 3 cp, 1 dec, 22 ud			

Table 6 continued Description of the loci of Phase XIV, Area 1

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
129	fill below stone pavement	10	-1 k, -2 sj, -3 k, 1 k, 1 j, 12 sj, 2 cp, 1 pf, 96 ud			
129'	hard surface, floor				N954, N967	
133	disturbed area					mainly LB material
134	cistern, fill	75	-1 j-dt, -2 cp, -3 cp, -4 k, 1 b, 3 k, 4 jl, 22 j, 2 ja, 1 dec, 6 cp, 160 ud			
135	fill below stone pavement		-1 sj, 2 sj, 24 ud			
137	disturbed area					mainly LB and EB material
138	cistern, fill					mainly LB and EB material
140	fill below hard surface		-1 k, 24 ud			
149'	outside cistern, fill		-1 k, -2 ja			mainly LB and EB material
150	cistern, fill					mainly LB and EB material
168'	cistern, fill		-1 cb, -2 ja			mainly LB and EB material
176'	cistern, fill					mainly LB and EB material
200	fill below floor level		10 ud			
202	fill below floor level		4 ud			
210	hard-packed soil with ash	19	N982 bj, 3 b, 3 k, 2 cp, 22 ja, 2 sj		N984, -1	
216'	pit, d. 0.6, soft, soil/ash		-1 cp			
242	fill area, dump		8 ud			
248	fill area, dump		12 ud			
261	fill above floor, o.d.	1	1 b, 1 cp, 59 ud	3		
262	fill above floor, o.d.		3 ud			
264	floor, o.d.	1	1 b, 2 cp, 171 ud	8		
265	fill above floor, o.d.	5	1 sj, 64 ud		N1008	
266	fill above floor, o.d.	22	N1009 jl, N1011 l, -1 cb, 1 b, 1 k, 2 cp, 126 ud			
267	floor, o.d.		3 b, 1 cb, 1 jl, 1 hm, 5 sj, 2 cp, 67 ud			
268	floor, o.d.		3 ud			
269	fill above floor, o.d.	1	23 ud		N1007	
270	stone pavement, o.d.		2 ud			
271	disturbed portion		5 b, 2 ja, 2 cp, 71 ud			
272	disturbed portion	1	-1 k, 1 k, 5 ja, 1 dec, 34 ud			
273	floor, o.d.	1	23 ud			
274	floor, o.d.		3 b, 1 k, 17 sj, 6 cp, 121 ud			
275	floor, o.d.	1	2 j, 1 jl, 3 sj, 65 ud	3		
276	pit, d. 0.5		8 ud			
277	disturbed portion		3 b, 1 jl, 2 ja, 2 cp, 44 ud			
279	floor, o.d.	1	1 b, 2 k, 1 j, 1 hm, 2 sj, 100 ud			
280	floor, o.d.	5	2 b, 1 j, 1 ja, 7 sj, 2 cp, 53 ud			
281	floor, o.d.		N1010 jl, N1012 sj, 2 b, 8 sj, 120 ud			
282	fill below floor		1 k, 1 j, 1 sj, 1 dec, 110 ud			

Table 6 continued Description of the loci of Phase XIV, Area 1

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
283	disturbed portion		17 ud			
286	disturbed portion	6	1 b, 1 k, 2 j, 2 sj, 1 cp, 44 ud			
W2	find inside wall		1 k, 1 cp		N67	
W273	find inside wall		1 b, 1 k, 3 sj, 21 ud		N952	
W274	find inside wall		1 j, 1 sj, 4 ud			
W283	finds inside wall				N970, N971	
W291	finds inside wall	3	1 jl, 2 dec, 9 ud			
W366	finds inside wall	2	1 b, 1 j, 1 cp, 46 ud		N1013	
W367	finds inside wall	3	35 ud			
W380	finds inside wall			52		reused/rebuilt wall?

Table 6 continued Description of the loci of Phase XIV, Area 1

Legend for the illustrated pottery from Phase XIV, Area 1

Fig.	Locus No.	Description
33:1	266 -1	Carinated bowl, hard-fired, dark grey fabric, medium-fine, yellowish-brown slip; imported.
33:2	37 N37	Bowl, straight-sided, medium-hard-fired, light brown fabric, grey core, coarse, reddish-brown to yellowish-brown slip, slightly burnished.
33:3	113 -1	Carinated bowl, hard-fired, light brown fabric, coarse, mainly grey inclusions, light brown slip exterior, reddish-brown slip interior.
33:4	15 -2	Carinated bowl, medium-fine, light brown fabric, medium-coarse, multicoloured inclusions, red slip interior and exterior.
33:5	24 N16	Carinated bowl, hard-fired, light brown fabric, grey core, medium-coarse, mainly white inclusions, red burnished interior and rim (very worn); see also Fig. 28.
33:6	22 -1	Chalice, hard-fired, light brown fabric, coarse, grey inclusions, red slip.
33:7	30 -1	Carinated bowl, medium-hard-fired, brown fabric, medium-coarse, multicoloured inclusions, red decoration exterior.
33:8	266 N1009	Juglet, hard-fired, reddish-brown fabric, grey core, medium-coarse, multicoloured inclusions, red slip, vertically burnished; marked step on shoulder.
33:9	281 N1010	Juglet with trefoil mouth, medium-hard fired, light brown fabric, fine, self slip.
33:10	30 N22	Juglet, hard-fired, light brown fabric, medium fine, light brown slip, red band decoration.

33:11	57 N53	Juglet, hard-fired, orangish-brown fabric, medium-coarse, multicoloured inclusions, self slip; see also Fig. 29.
33:12	210 N982	Black Juglet, hard-fired, brown fabric, fine, black slip, vertically burnished.
33:13	113' N939	Black Juglet, medium-hard-fired, brownish-grey fabric, black slip, vertically burnished; see also Figs. 30 and 458:3.
33:14	24 N17	Jug-decanter, hard-fired, light red fabric, medium-fine, self slip interior and exterior.
33:15	116 -1	Jug-decanter, hard-fired, light yellowish-brown fabric, fine, a few small grey inclusions, matt red slip.

Legend for the illustrated pottery from Phase XIV, Area 1

Fig.	Locus No.	Description
34:1	112 -1	Krater, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, yellow slip.
34:2	14 -1	Krater, hard-fired, reddish-brown fabric, coarse, mainly white inclusions, light brown slip.
34:3	19 -1	Krater, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, yellow slip.
34:4	129 -3	Krater, hard-fired, brown fabric, coarse, mainly white inclusions, brownish-red slip.
34:5	19 -2	Krater, hard-fired, reddish-brown fabric, coarse, mainly white inclusions, light brown slip.
34:6	106 -1	Krater, hard-fired, dark grey fabric, coarse, multicoloured inclusions, dark grey slip.



Fig. 33 Pottery from Phase XIV, Area 1

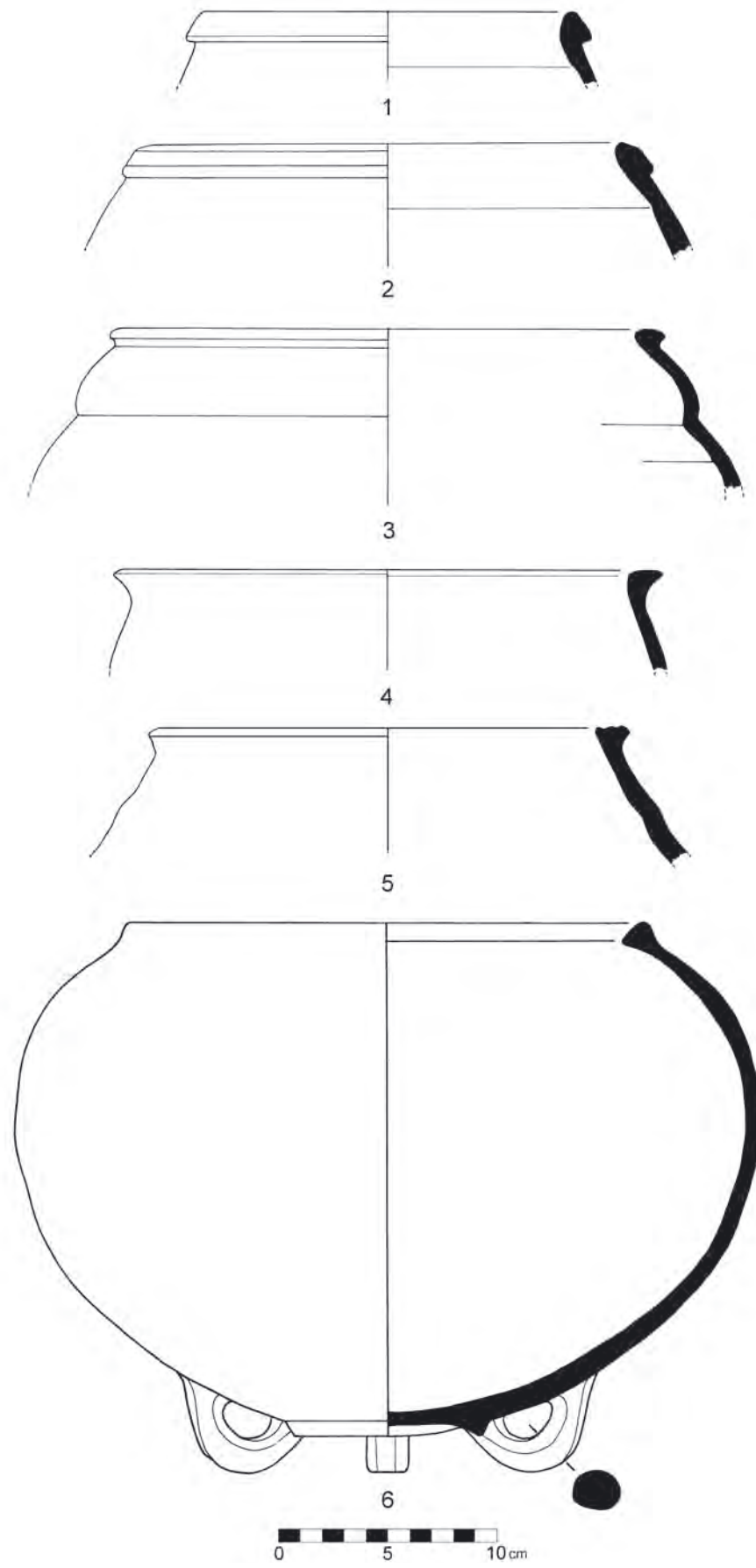


Fig. 34 Pottery from Phase XIV, Area 1

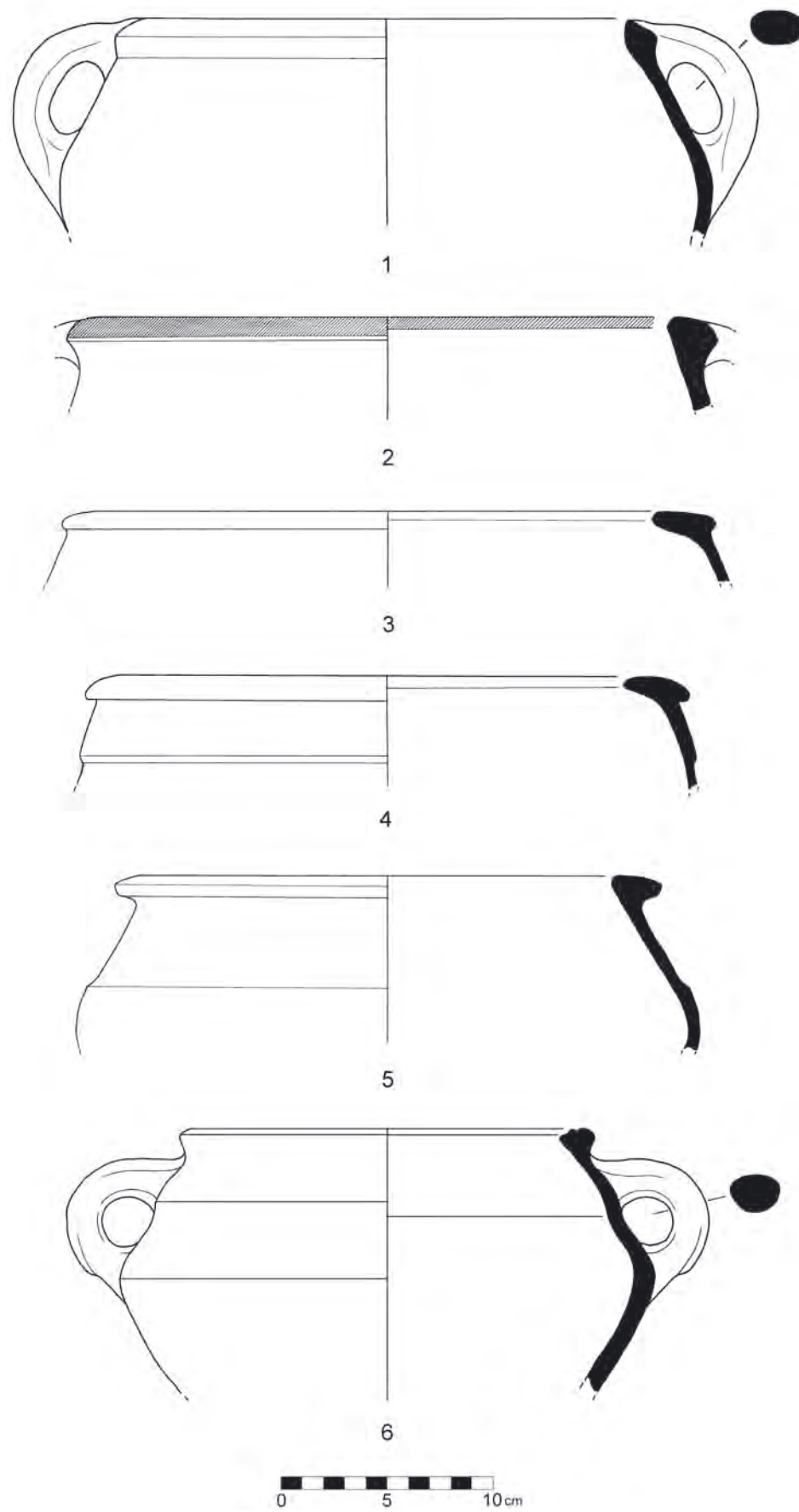


Fig. 35 Pottery from Phase XIV, Area 1

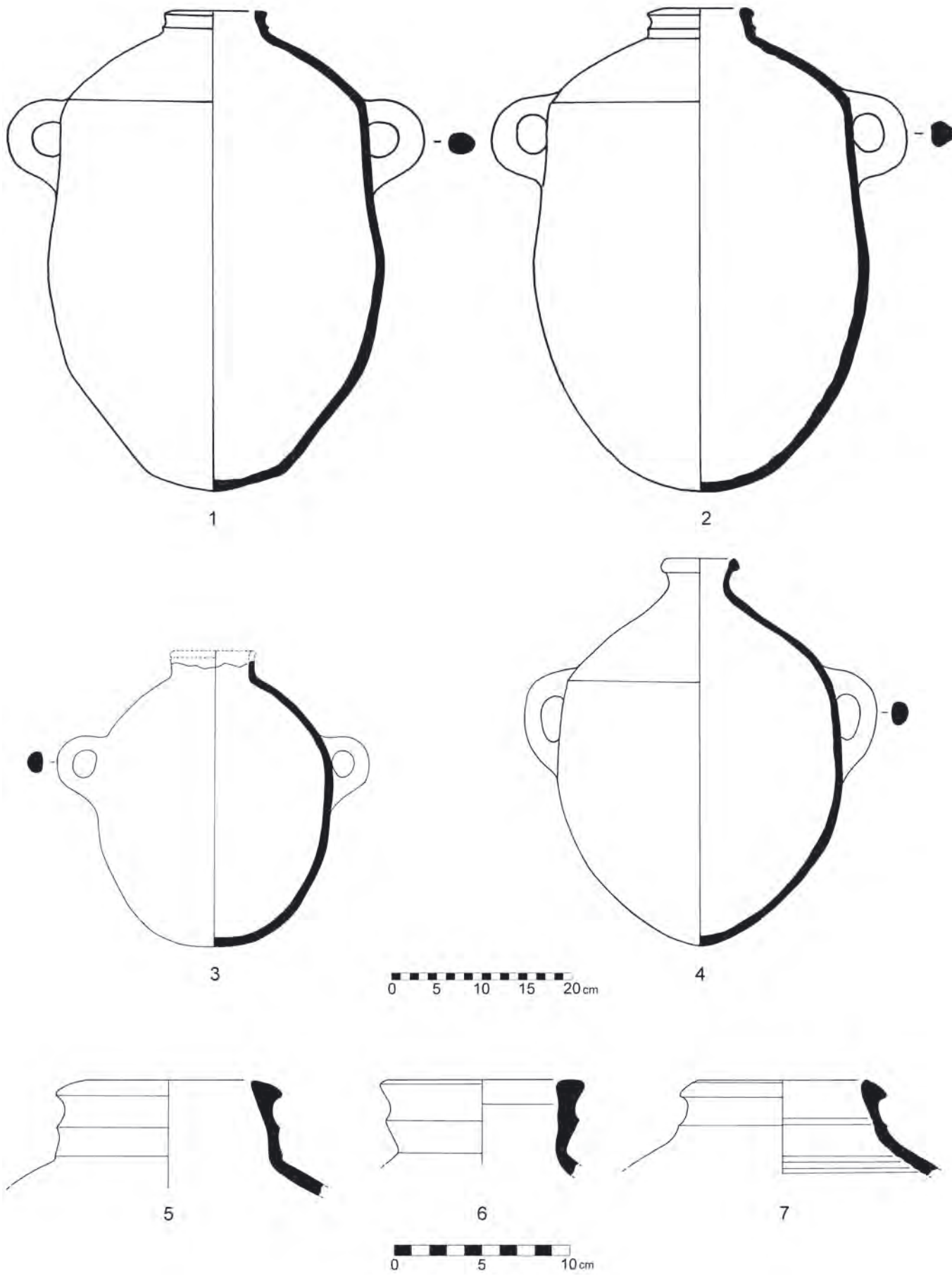


Fig. 36 Pottery from Phase XIV, Area 1

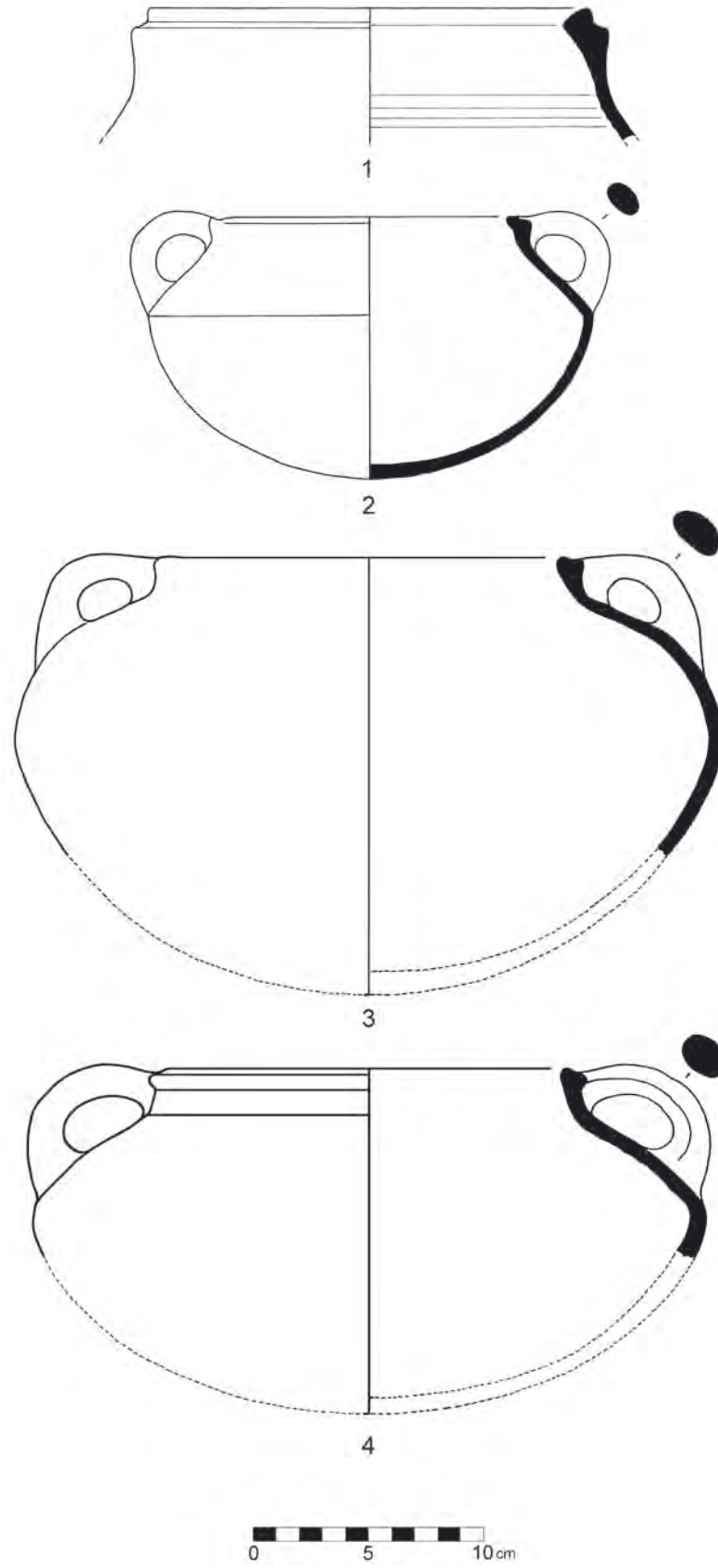


Fig. 37 Pottery from Phase XIV, Area 1

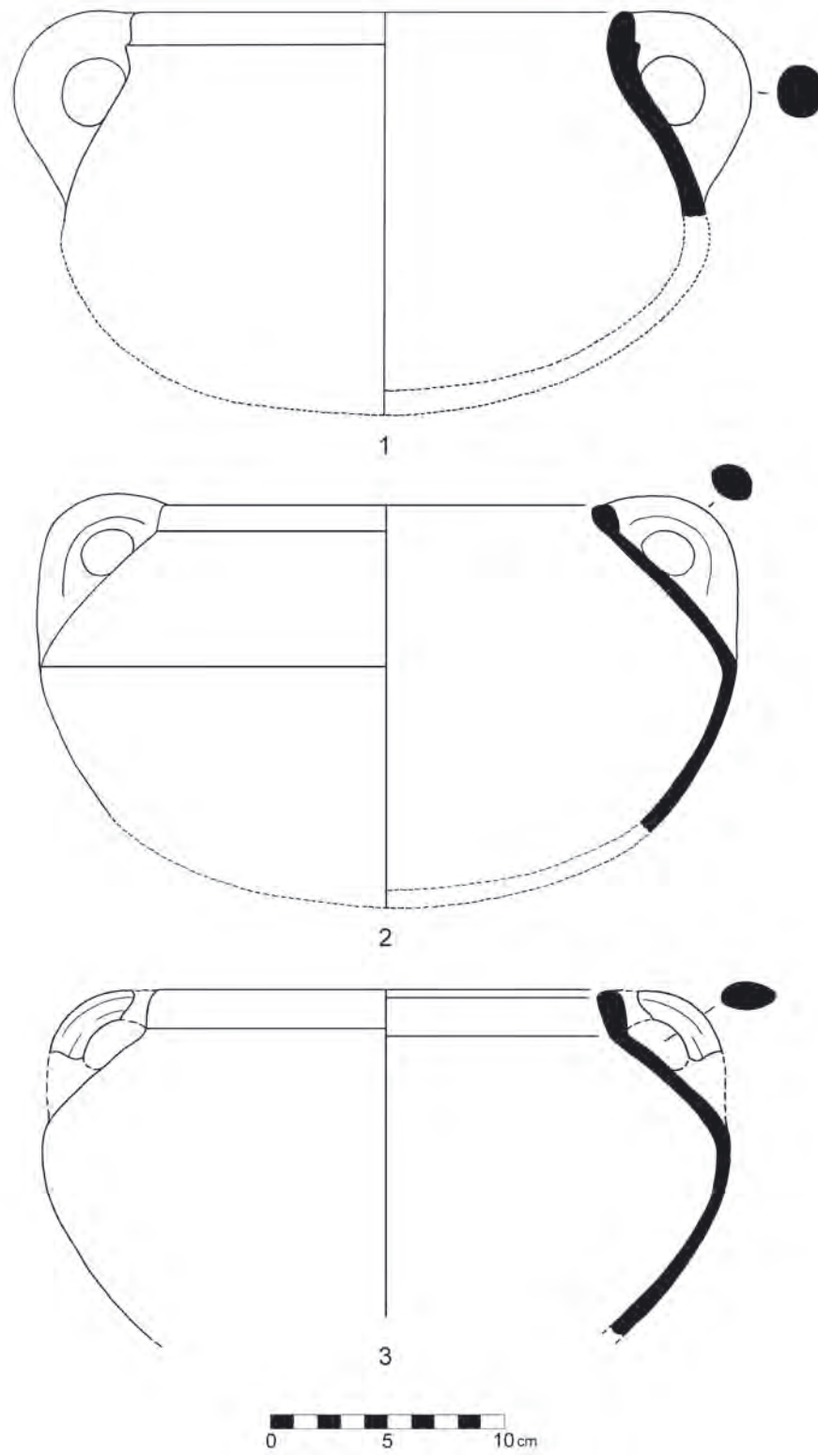


Fig. 38 Pottery from Phase XIV, Area 1

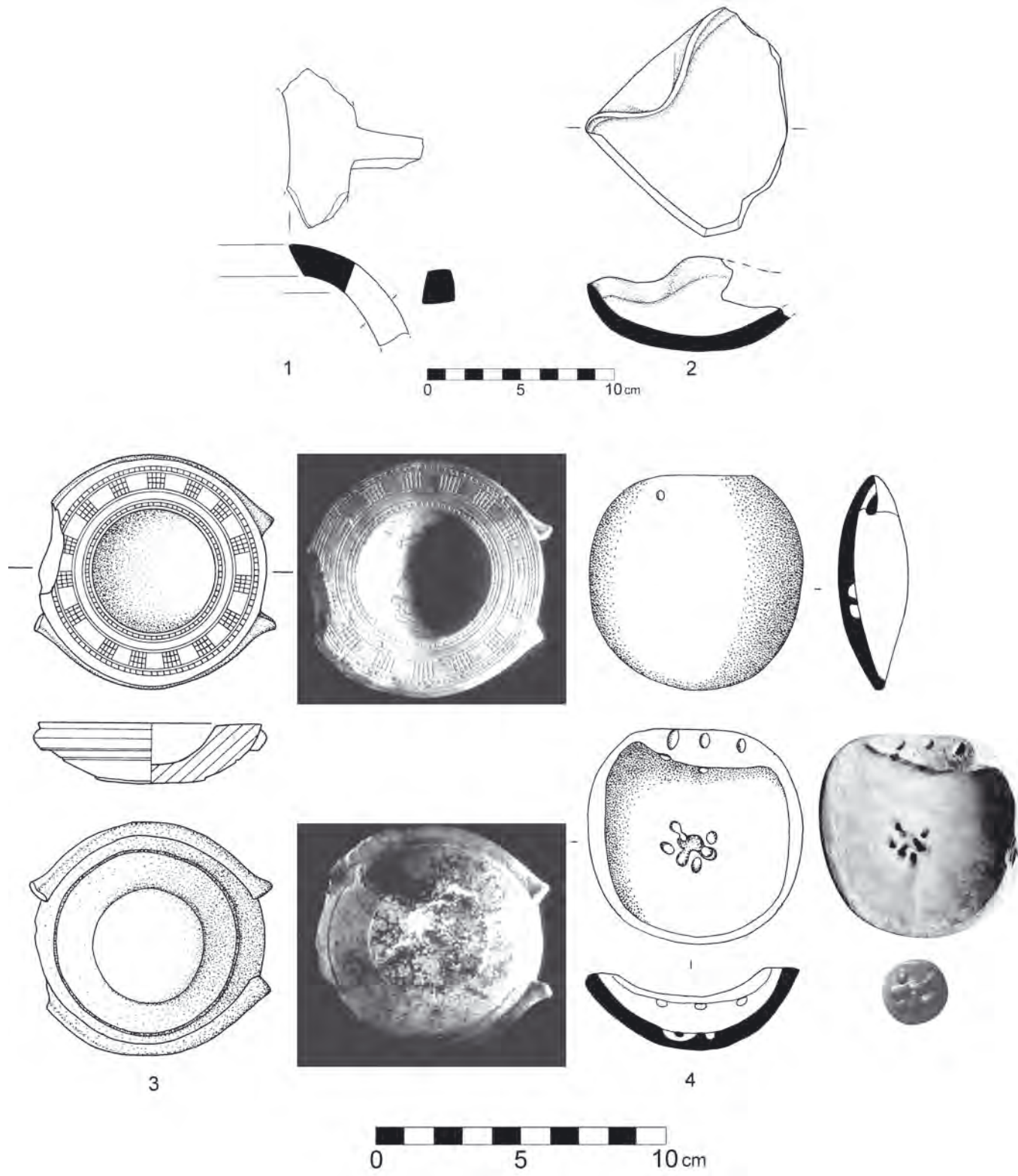


Fig. 39 Pottery and other finds from Phase XIV, Area 1

Legend for the illustrated pottery from Phase XIV, Area 1

Fig.	Locus	No.	Description
35:1	272	-1	Krater, hard-fired, brown fabric, coarse, multicoloured inclusions, self slip.
35:2	24	-2	Krater, hard-fired, reddish-brown fabric, coarse, mainly white inclusions, light brown slip.
35:3	108	-1	Krater, hard-fired, grey fabric, medium-coarse, multicoloured inclusions, self slip.
35:4	129	-1	Krater, hard-fired, reddish-brown fabric, coarse, mainly white inclusions, light brown slip.
35:5	104	-1	Krater, hard-fired, light brown fabric, medium-coarse, mainly white inclusions, reddish-brown slip.
35:6	140	-1	Krater, hard-fired, light brown fabric, coarse, mainly grey inclusions, yellowish-brown fabric, red wash.

Legend for the illustrated pottery from Phase XIV, Area 1

Fig.	Locus	No.	Description
36:1	23	N24	Storage jar, hard-fired, light greyish-brown fabric, medium-coarse, multicoloured inclusions, self slip; see also Fig. 31.
36:2	23	N27	Storage jar, hard-fired, light greyish-brown fabric, medium-coarse, multicoloured inclusions, self slip.
36:3	34	N29	Jar, hard-fired, light brown fabric, greyish-brown core, pinkish-brown slip.
36:4	14	N2	Jar, hard-fired, yellowish-brown fabric, medium-fine, small black inclusions, orangish-brown slip.
36:5	135	-1	Storage jar, hard-fired, light brown fabric, medium-coarse, mainly grey inclusions, yellowish-brown slip.
36:6	129	-2	Storage jar, hard-fired, brown fabric, thick grey core, coarse, mainly white inclusions, light brown slip.
36:7	112	-2	Storage jar, hard-fired, light brown fabric, coarse, multicoloured inclusions, light brown slip.

Legend for the illustrated pottery from Phase XIV, Area 1

Fig.	Locus	No.	Description
37:1	117	-2	Cooking pot, hard-fired, brown fabric, thick grey core, coarse, white and quartzite inclusions, self slip.
37:2	23	N30	Cooking pot, medium-hard-fired, dark brown fabric, coarse, mainly white inclusions, self slip; see also Fig. 32.
37:3	24	N46	Cooking pot, medium-hard-fired, dark brown fabric, coarse, mainly white inclusions, self slip.
37:4	33	N28	Cooking pot, brown fabric, grey core, coarse, white inclusions, self slip.

Legend for the illustrated pottery from Phase XIV, Area 1

Fig.	Locus	No.	Description
38:1	23	-1	Cooking pot, medium-hard-fired, dark brown fabric, coarse, mainly white inclusions, self slip.
38:2	34	N31	Cooking pot, medium-hard-fired, dark brown fabric, coarse, mainly white inclusions, self slip.
38:3	106	N941	Cooking pot, hard-fired, brown fabric, thick grey core, coarse, white and quartzite inclusions, self slip.

Legend for the illustrated pottery and other finds from Phase XIV, Area 1

Fig.	Locus	No.	Description
39:1	117	-1	Cult vessel (?), fenestrated, hand-made, brown fabric, medium-coarse, grey and white inclusions, light brown slip, red paint on exterior and rim.
39:2	266	N1011	Lamp, medium-hard-fired, light brown fabric, thick grey core, medium-coarse, mainly grey inclusions, yellowish-brown slip.
39:3	129	N954	Cosmetic palette, limestone, burnished, incised decorations; see also Figs. 453:10 and 465:3.
39:4	W2	N67	Shell, polished, worked/pierced; see also Fig. 465:5.

Legend for the illustrated finds from Phase XIV, Area 1

Fig.	Locus	No.	Description
40:1	57	N55	Tool (shuttle?), bone.
40:2	45	N43	Fibula, bronze bow, iron needle.
40:3	30	N23	Loom weight, unfired clay, Wt 750 g.
40:4	113	N942	Loom weight, unfired clay, Wt 248 g.
40:5	37	N36	Spindle whorl, grey stone (residual?), most likely Early Bronze Age) Wt 45 g.
40:6	129	N967	Spindle whorl, limestone, Wt 34 g.
40:7	W273	N952	Spindle whorl, limestone, Wt 28 g.
40:8	109	N940	Spindle whorl, alabaster, Wt 7 g.
40:9	112	N947	Spindle whorl, limestone, Wt 25 g.
40:10	210	-1	Pestle, limestone.
40:11	15	N8	Mortar, limestone.
40:12	57	N51	Bowl, basalt.
40:13	13	N18	Bowl, basalt.

Legend for the illustrated finds from Phase XIV, Area 1

Fig.	Locus	No.	Description
41:1	57	N52	Pounder, limestone.
41:2	37	N32	Pestle, basalt.
41:3	57	N54	Pounder, limestone
41:4	15	N9	Tool (millstone?), stone.
41:5	27	N33	Lithic, blade, triangular section.
41:6	37	N35	Lithic, blade, trapezoidal section.

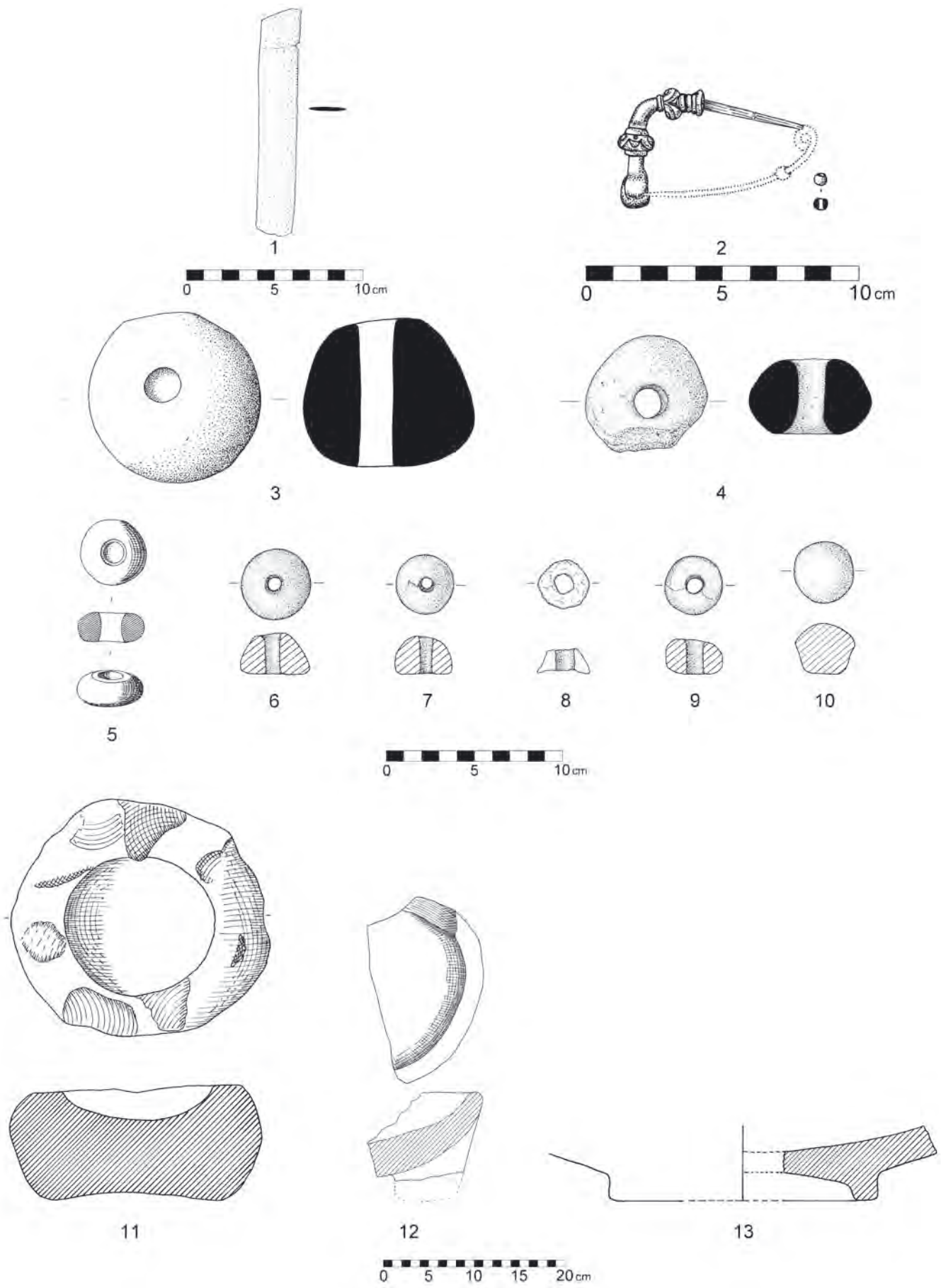


Fig. 40 Finds from Phase XIV, Area 1

Legend for the illustrated pottery from the area of the cistern of Phase XIV, Area 1

Fig.	Locus No.	Description
42:1	168' -1	Carinated bowl, medium-hard-fired, light brown fabric, medium-coarse, mainly white and black inclusions, red slip interior and exterior.
42:2	134 -4	Krater, medium-hard-fired, brown fabric, medium-coarse, multicoloured inclusions, self slip.
42:3	149' -1	Krater, medium-hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip.
42:4	134 -1	Jug-decanter, hard-fired, brown fabric, medium-coarse, multicoloured inclusions, red slip; ridge on neck and incised lines on shoulder.
42:5	149' -2	Jar, hard-fired, medium-coarse, light brown fabric, multicoloured inclusions, self slip.
42:6	168' -2	Jar, medium-hard-fired, light grey fabric, medium-coarse, some white inclusions, self slip.
42:7	134 -2	Cooking pot, medium-hard-fired, brown fabric, coarse, mainly white inclusions, self slip.
42:8	134 -3	Cooking pot, medium-hard-fired, brown fabric, coarse, mainly white inclusions, self slip.
42:9	110 -1	Krater, medium-hard-fired, yellowish-brown fabric, coarse, mainly grey inclusions, brown slip.
42:10	216' -1	Cooking pot, hard-fired, brown fabric, dark grey core, medium-coarse, white inclusions, self slip.

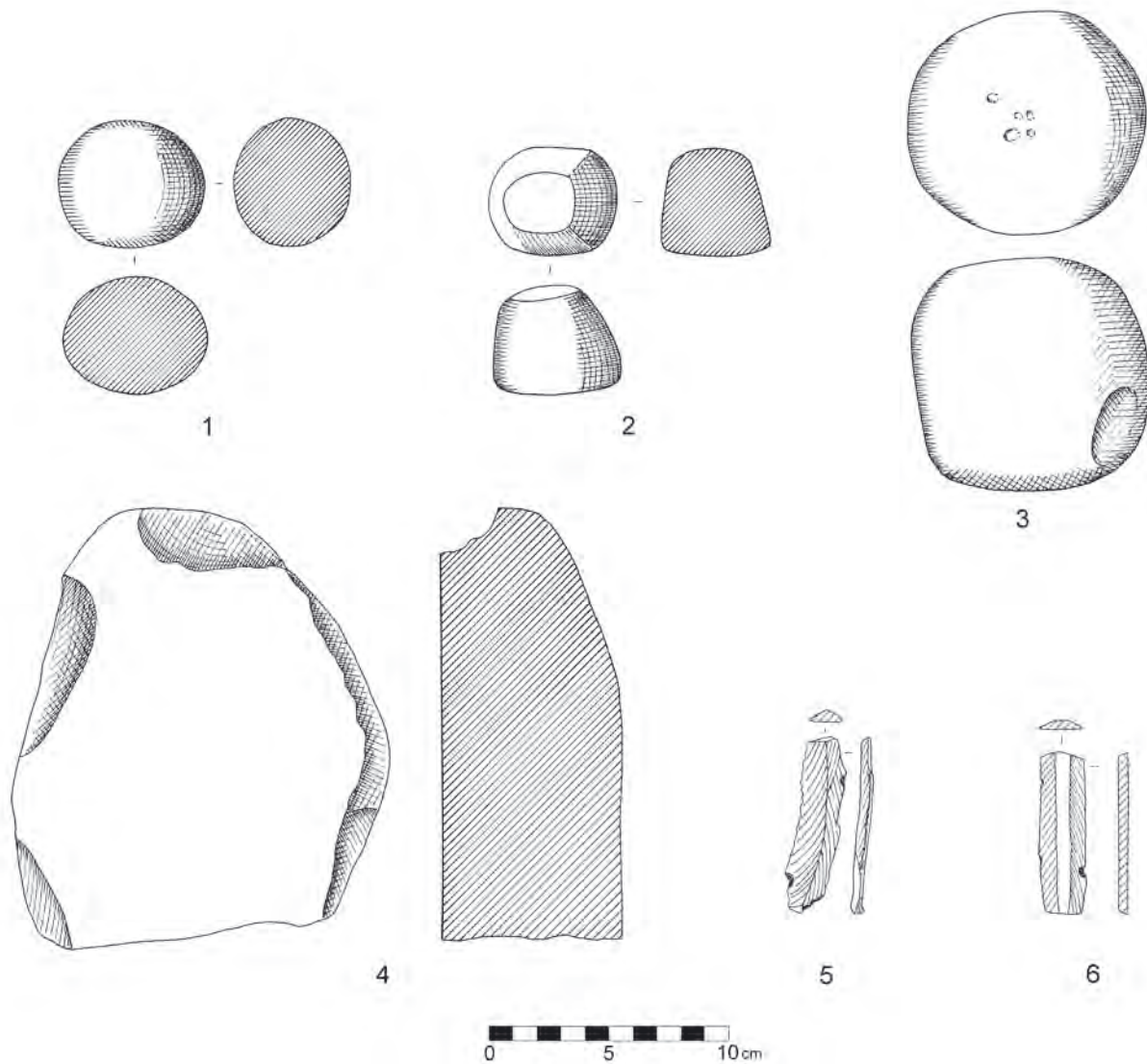


Fig. 41 Finds from Phase XIV, Area 1

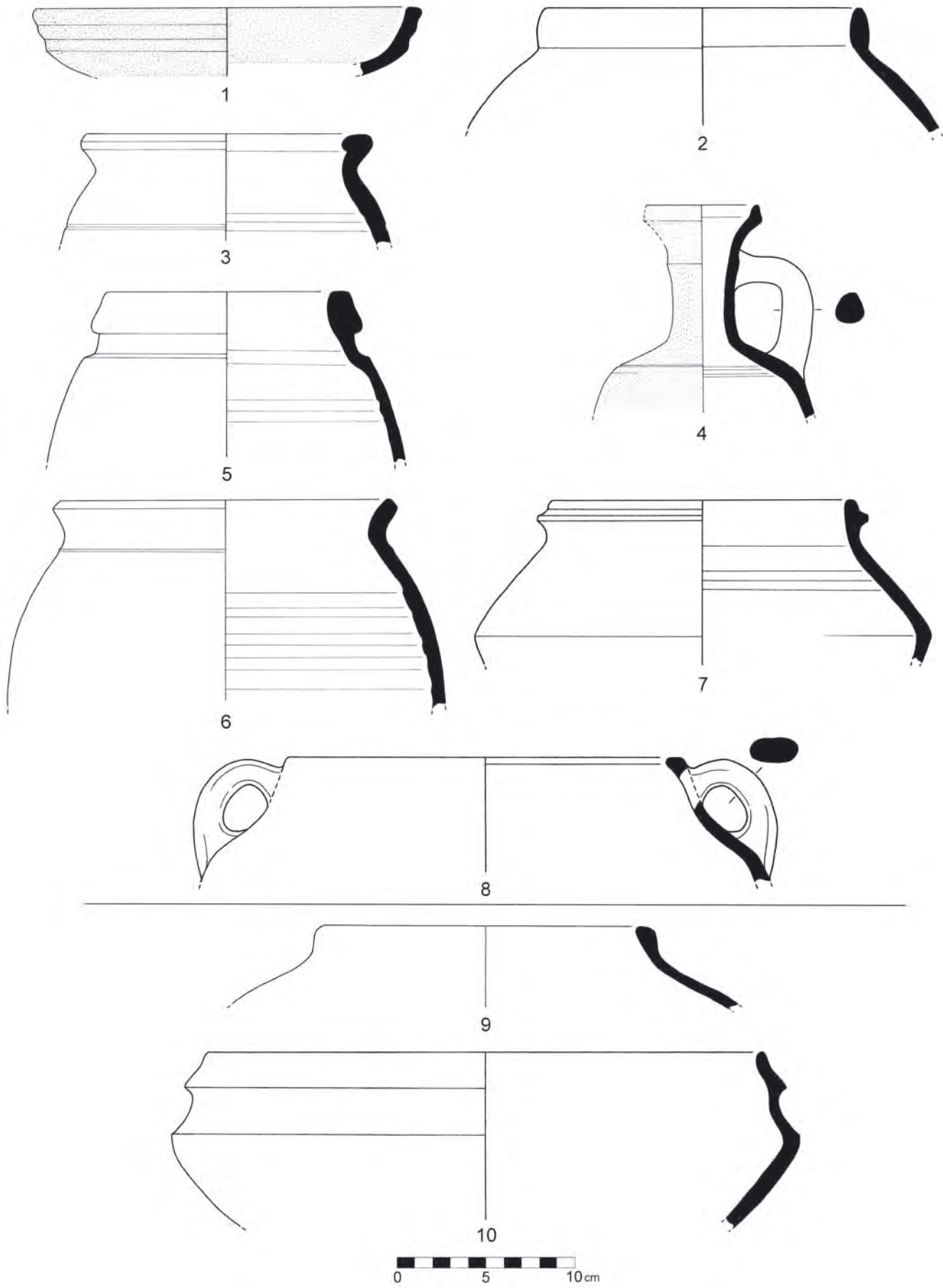


Fig. 42 Pottery from the area of the cistern of Phase XIV, Area 1

Additional finds from Phase XIV, Area 1 (listed, not illustrated)

Locus No.	Description
24 N14	Bowl, stone.
24 N15	25 loom weights, unfired clay, dimensions average 10.0 × 6.0; d. of holes average 2.0 cm, Wt average 330 g.
27 N25	Iron blade, very thin, broken, L 5.0, W 1.3, Th 0.14 cm.
30 N34	Door socket, pierced due to wear, d. of hole 3.0 cm.
37 N35	Lithic, blade, brownish-grey stone, triangular section, L 6.5, W 1.9, Th 0.3 cm.
33 N45	Cooking pot, medium-hard-fired, dark brown fabric, coarse, mainly white inclusions, self slip.
36 N47	Cooking pot, medium-hard-fired, dark brown fabric, coarse, mainly white inclusions, self slip.
57 N56	Chocolate-on-White (residual), rounded shallow bowl, with raised base-ring, wheel-made, light greyish-brown fabric, medium-coarse, yellowish-white slip, brown decoration of band on rim, once burnished, max. d. 16.9, d. base 6.8, d. stem 4.8, H 6.5 cm.
57 N57	Cooking pot, medium-hard-fired, dark brown fabric, coarse, mainly white inclusions, self slip.
119 N943	Loom weights, unfired clay, 9 pieces; dimensions not recorded due to bad preservation.
119 N944	Arrowheads, iron, L 7.9, W 2.4, Th 0.9 cm.
108 N945	Black Juglet, hard-fired, very dark grey fabric, fine, black slip, vertically burnished.
112 N948	Millstone, basalt, L 31.5, W 11.3 cm.
113 N949	Bead, stone (serpentine?), d. 1.1, H 0.3 cm.
W283 N970	Millstone, basalt, L 22.0, W 13.5, H 5.7 cm.
W283 N971	Mortar, limestone, L 24.5, W 20.0, H 13 cm.
210 N984	Lid, stone, d. 3.5, H 2.6 cm.
269 N1007	Arrowhead, iron, very corroded, L 4.7, W 1.5, Th 0.8 cm.
265 N1008	Arrowhead, iron, very corroded, L 6.4, W 1.8, Th 0.7 cm.
281 N1012	Storage jar, fragments.
W366 N1013	Arrowhead, iron, very corroded, L 5.3, W 1.5, Th 0.6 cm.

PHASE XV, AREA 1 (Figs. 43–48)

There are two portions in Area 1 which are not connected stratigraphically: one in the western part of Area 1 and another in the southern part. Nevertheless, the position of the architectural remains and small finds just below colluvial soil together with corresponding pottery types were taken as indication that they are contemporaneous (here described as Phase XV/1 and XV/2).

PHASE XV/1, AREA 1 (Fig. 43)

Architecture and features

The only preserved structures from this occupational phase, which lay directly under colluvial soil,

were found in the most western part of Area 1. They are represented by three walls: W357, W325 and W323/324. The first two of these are each approximately 0.8 m wide, and form the corner of a structure which resembles the most recent tower in Area 7 which was also built on top of the previous tower but angled somewhat relative to the older tower: this is also the case here because the structure is turned some degrees to the west. The rather smaller inner wall W324 runs parallel to W357. The enclosed space, 2.5 m wide, is partly stone-paved.

Finds are scarce. There is a broken arrowhead (N980). Most of the pottery from this stratum consists of Iron Age II shapes but there are also some intrusive sherds, mainly of Abbasid origin. No other important finds were made.

Interpretation of the material evidence

The only partially preserved structure is certainly another, more recent, tower which was built shortly after the destruction of the previous one.

The preliminary dating of this phase points to the late part of the Iron Age, but it is likely that the foundation walls were also used during post-Iron Age peri-

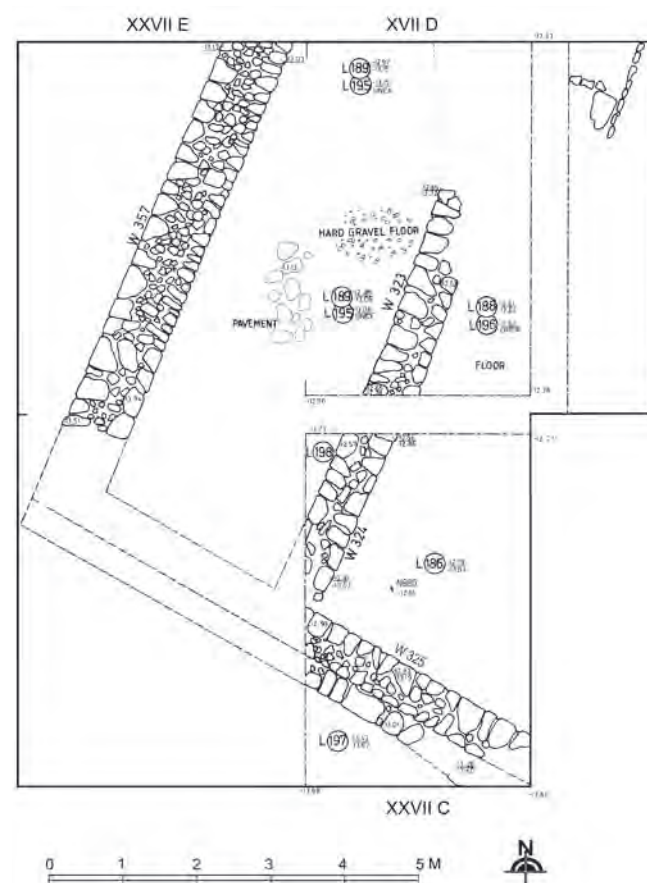


Fig. 43 Plan of Phase XV/1, Area 1

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
323/324	0.6	0.3	1-2			
325	0.8	0.4	1-2			
357	0.8	0.4	1-2			

Table 7 Description of the walls of Phase XV/1, Area 1

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
186	hard surface	8	1 jl, 4 j, 6 ja, 1 hm, 1 stj, 3 dec, 42 ud		N980	
188	fill above floor		3 ud			
189	fill above floor		6 ud			
195	pavement level		2 ud			
196	hard surface		3 ud			
197	fill	3	1 k, 1 ja, 1 ep			
198	hard surface		8 ud			

Table 8 Description of the loci of Phase XV/1, Area 1

ods. This phase may be contemporary with the finds from the south-eastern part of Area 1 (TI, II, and V) because the architectural remains and the finds were found just below colluvial soil, which corresponds to the situation in the south-eastern part of Area 1.

Find from Phase XV/1, Area 1 (listed, not illustrated)

Locus No.	Description
186 N980	Arrowhead, iron, fragmentary and very corroded.

PHASE XV/2, AREA 1 (FIGS. 44–48)

Architecture and features

There is a square structure on Trench V (L29, 31). It measures internally about 2.5 m × 2.5 m and is surrounded by a supporting wall (W6) some 0.5 m thick. The min. depth from the top of the wall to the bottom was 1.0 m. It is coated on the inside with lime mortar, including clay and fine quartz sand of a weak structure and strength which keeps water very well, as we could observe after falls of rain. A blue faience scarab was found just to the north of the square structure (N38).

The two superficial layers of Trench 1 contained a

tabun (L3) and a stone paving (L5) and a number of small finds in L6. These include a spouted juglet decorated with red bands (N6), another knife-shaved juglet and some stone tools. An iron scraper (N1) belongs to the same deposit. A test trench, 2 m square, was opened in the eastern part of Trench I. The excavated material, which seems to represent a fill, is all from the Iron Age (no periodization possible).

Interpretation of the material evidence

The square structure from Trench V is undoubtedly a cistern. It must have been used as a trash container for quite a long period judging by the pottery from inside the cistern: Iron Age, Byzantine and Islamic sherds were found. The structures in Trench I are associated with the preparation of food. This part of Area 1 is most likely contemporaneous with the western exposure in Area 1 (TXXVII).

The scarab of blue faience (N38, Figs. 47:12 and 466:3; see also Appendix 4) is of the Egyptian Naukratis-type (personal communication G. Hölbl, University of Vienna). He suggests a date from 620/600 to shortly after 550 BCE (see also EGGLEER and KEEL 2006: 278).

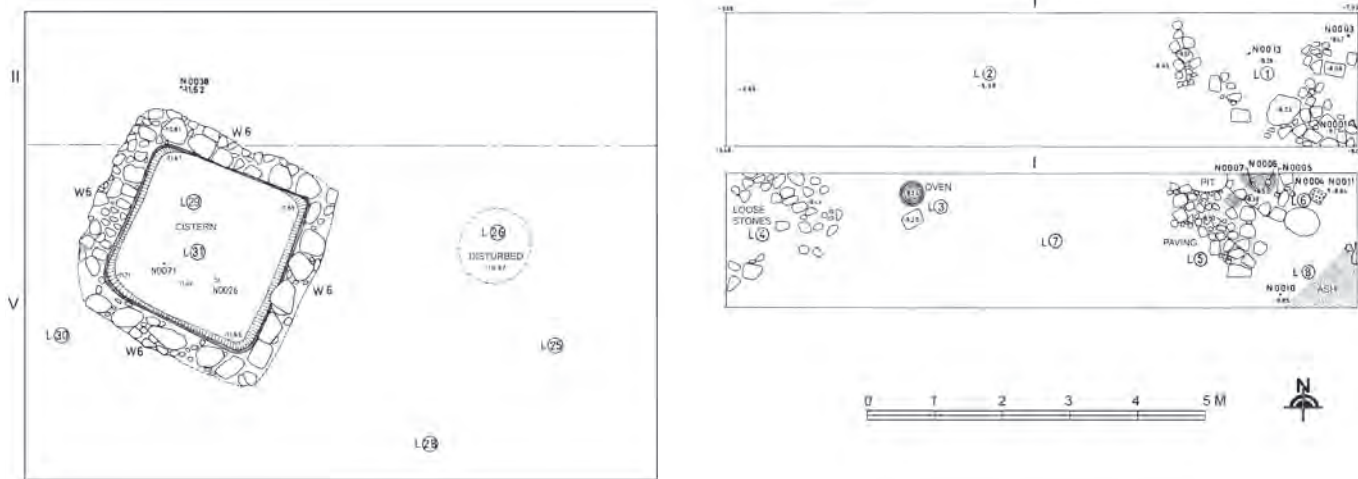


Fig. 44 Plan of Phase XV/2, Area 1

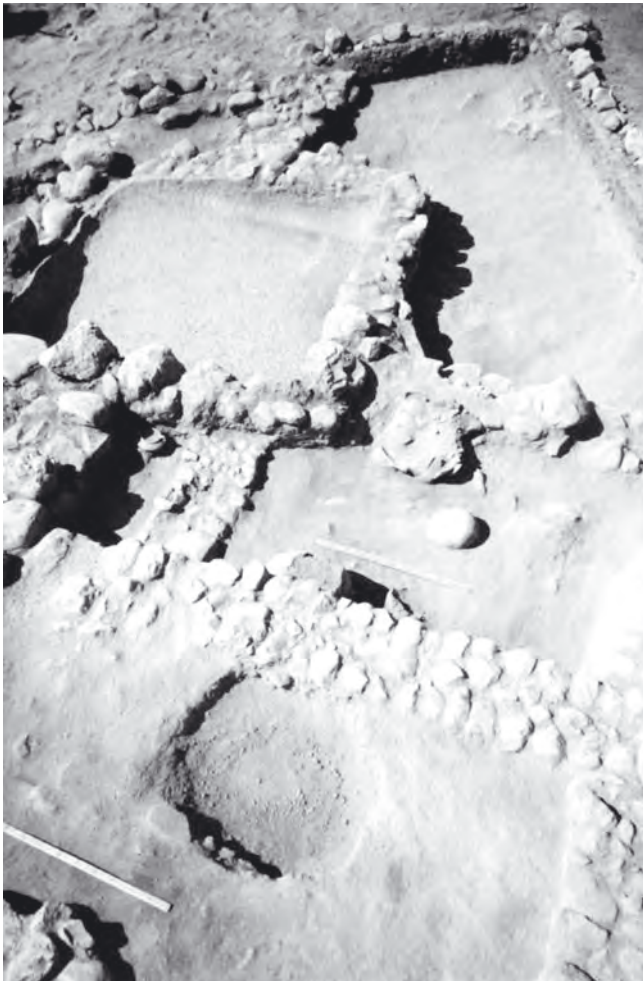


Fig. 45 Phase XV/2 Area 1. Overview over area around cistern in southern part of Area 1

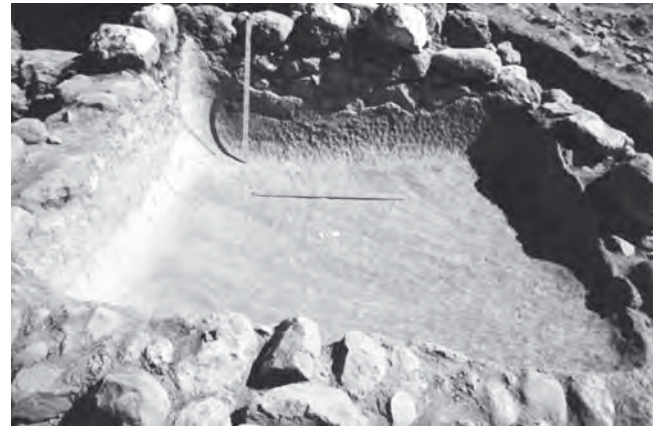


Fig. 46 Phase XV/2 Area 1. Cistern in southern part of Area 1

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
	average dimensions		stone	mudbrick		
6 (cistern)	0.5	1.0	3			supporting structure

Table 9 Description of the wall of Phase XV/2, Area 1

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
1	fill above hard surface		1 b, 1 k, 1 ja, 1 sj, 1 stj, 3 cp		N1, N3, N13	
2	fill above hard surface		-1 k, -2 cp, -3 b, 2 b, 1 k, 1 sj, 1 stj, 1 dt, 4 cp			
3	tabun, d. 0.4		-1 k, 1 cp			
4	stone-lined installation	2	1 b, 1 k, 1 ja, 3 cp			
5	pavement		N6 jl, 2 cp	1?	N5, N7	
6	working installation	2	2 b, 1 k,		N4	
7	surface		-1 jl, 1 dt, 1 jl	1	N10, N11	
8	ash layer		1 k, 1 cp			
29	cistern, stone-lined and plastered		-1 jl, 11 ud			mixture of periods
31	cistern, stone-lined and plastered		12 ud			mixture of periods
25	surface					
26	pit, d. 1.0					
28	surface					
30	close to foundation of cistern				N38	

Table 10 Description of the loci of Phase XV/2, Area 1

Legend for the illustrated pottery and other finds from Phase XV/2, Area 1

Fig.	Locus No.	Description	47:6	5	N7	Loom weight, unfired clay, d. 7.9, H 4.9 cm, Wt 280 g.
47:1	7	-1 Juglet, hard-fired, brown fabric, medium-fine, red slip, vertically knife-burnished.	47:7	5	N5	Pestle, dark grey stone.
47:2	5	N6 Juglet, hard-fired, yellowish-brown fabric, medium-coarse, multicoloured inclusions, self slip, red decoration.	47:8	6	N4	Pounder, light grey stone, spherical, d. 6.8 cm.
47:3	3	-1 Krater, hard-fired, light brown fabric, grey core, coarse, light brown slip, brown wash.	47:9	1	N13	Lithic, blade, triangular section.
47:4	2	-1 Krater, hard-fired, brown fabric, grey core, coarse, light brown slip.	47:10	7	N10	Bead, black stone.
47:5	2	-2 Cooking pot, hard-fired, reddish-brown fabric, grey core, coarse, white inclusions, self slip.	47:11	1	N3	Net weight (?), lead.
			47:12	30	N38	Scarab ("Naukratis scarab"), paste, light blue with lion above incised line; see also Fig. 466:3 and Appendix 4.
			47:13	29	-1	Juglet, hard-fired, brown fabric, medium-fine, light brown slip; comment: post-Iron Age from inside the cistern.

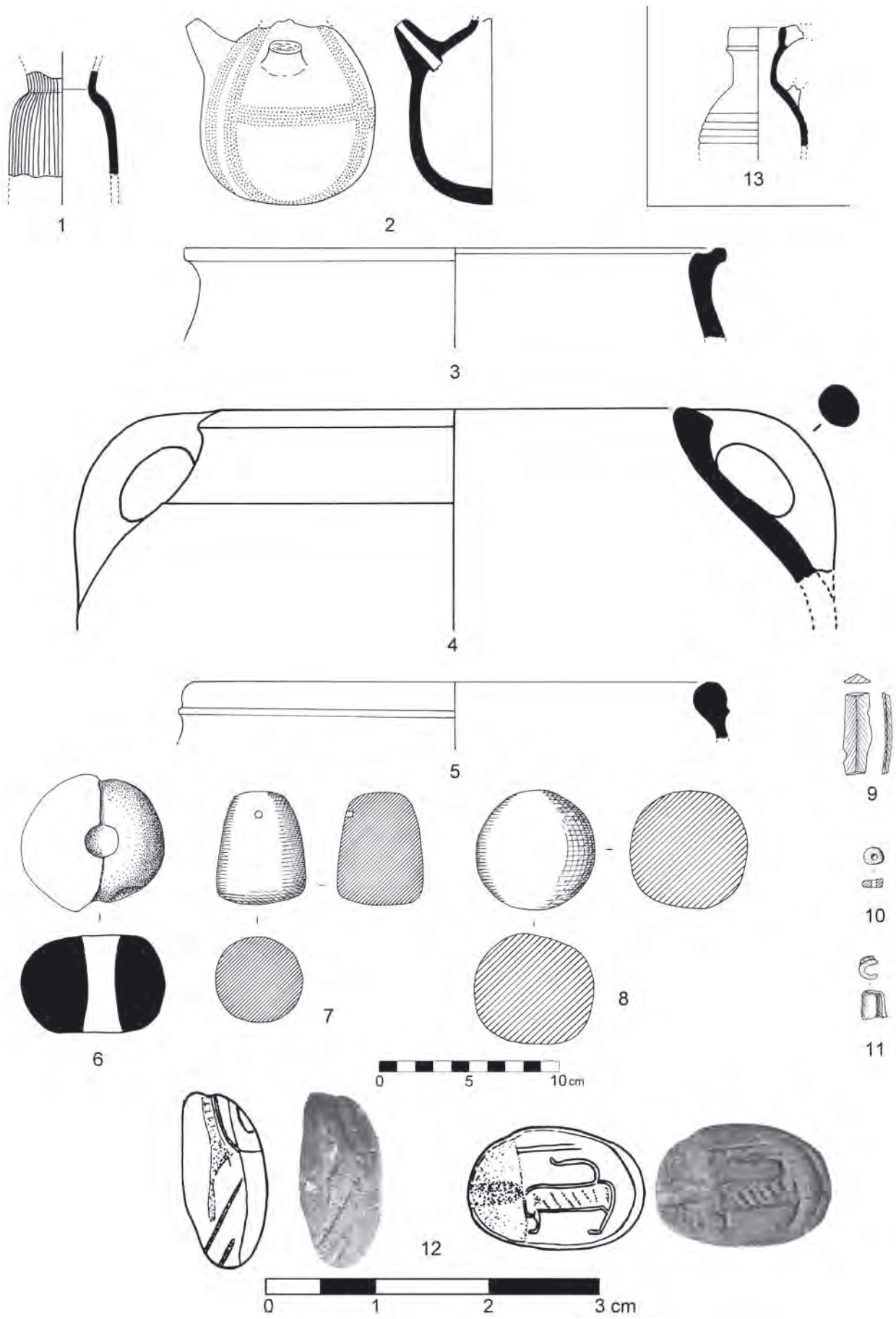


Fig. 47 Pottery and other finds from Phase XV/2, Area 1



Fig. 48 Phase XV/2 Area 1. Iron tool (scraper?) N1

Additional find from Phase XV/2, Area 1 (listed, not illustrated)

Locus No.	Description
7 N11	Arrowhead, iron (very corroded).

AREA 2

General information

Area 2 covers roughly 600 square metres. It is situated on the western slope of the tell, from which the upper plateau can be reached. It lies immediately north-west of Area 1 in Grids JJ–MM / 26–29 between the

upper plateau and the rocky western façade of the tell. This part of the tell is the most westerly excavated and closest to the Jordan Valley. The area was excavated in 1989, 1991–1993 and 1997. The following trenches belong to Area 2: III, IV, VIIA–D, VIIIA–B, IX, X, XXXIVA–D, XXXVIIA and XXXVIII A–B. The area slopes quite steeply downwards from east to west, approximately 7 m in 35 m, and more moderately from south to north, 5 m in 30 m. Surface finds of a huge amount of building material of stone were clear evidence of man-made structures in this area. Outlines of walls which were visible on the surface²⁴ contributed to the decision to open a number of trenches in this part of the tell.

The uppermost occupational layers suffered substantially from erosion. There are remains dating to the Late Roman period which is represented, for instance, by several fairly complete vessels. It seems that the area was occupied by Late Roman squatters during two periods. Also the Iron Age layers suffered from erosion. It became clear during the excavations of the Bronze Age layers that the Iron Age settlers dug deep pits in order to retrieve building material for their own structures. In addition the construction of the fairly large cistern in the northern part of Area 2 (Trench XXXIVC) resulted in exposure of earlier material which can be found on the surface over the entire area.

The partly exposed “Area 2 North-west”²⁵ (Trenches XXXIV, XXXVII and XXXVIII), close

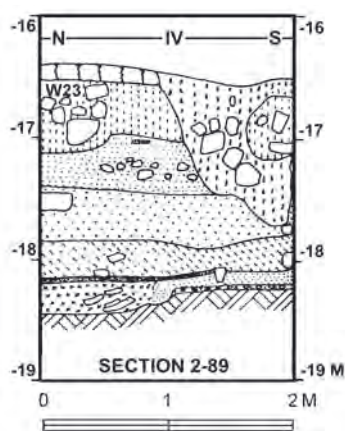


Fig. 49 Section 2-89. Area 2, east section Trench IV

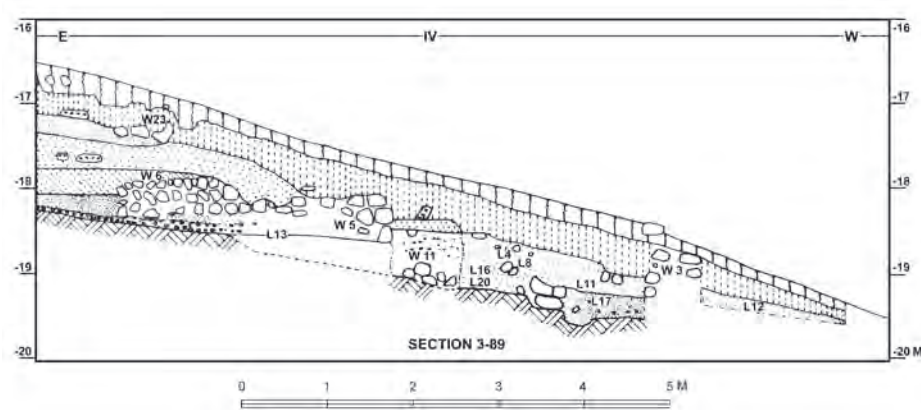


Fig. 50 Section 3-89. Area 2, south section Trench IV

²⁴ During my first survey in the winter of 1989, when the entire tell was covered with moderately high vegetation, I could recognize regular surface patterns with very low vegetation which pointed to stone walls just below the surface (FISCHER 1991; see also FISCHER 1980a and b).

²⁵ This area corresponds to “Defence System to the North-west (Area 2)” in the volumes Kharaz I and II; FISCHER 2006a: 163–169; 2008a: 162–181.

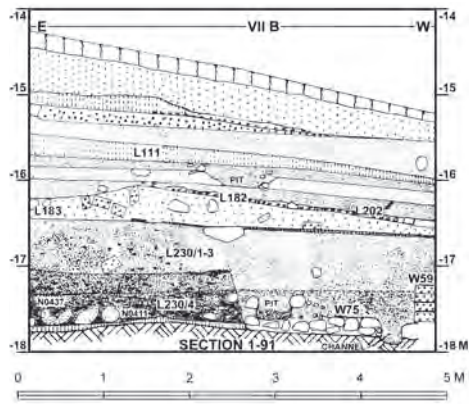


Fig. 51 Section 1-91. Area 2, south section Trench VII B

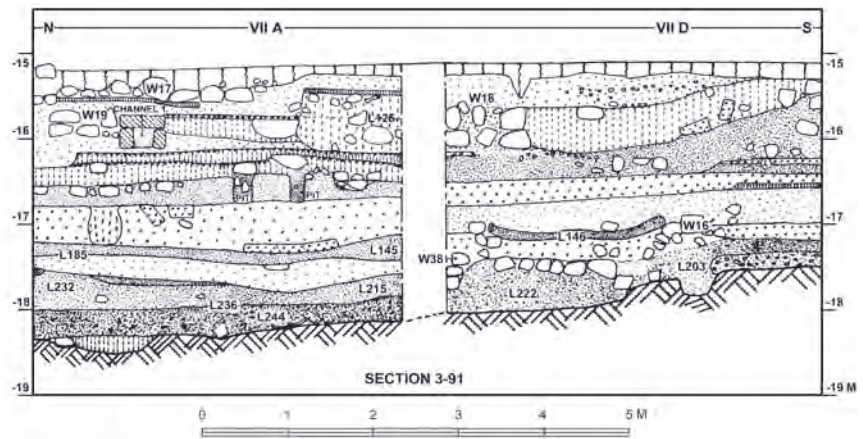


Fig. 53 Section 3-91. Area 2, east section Trenches VII A and D

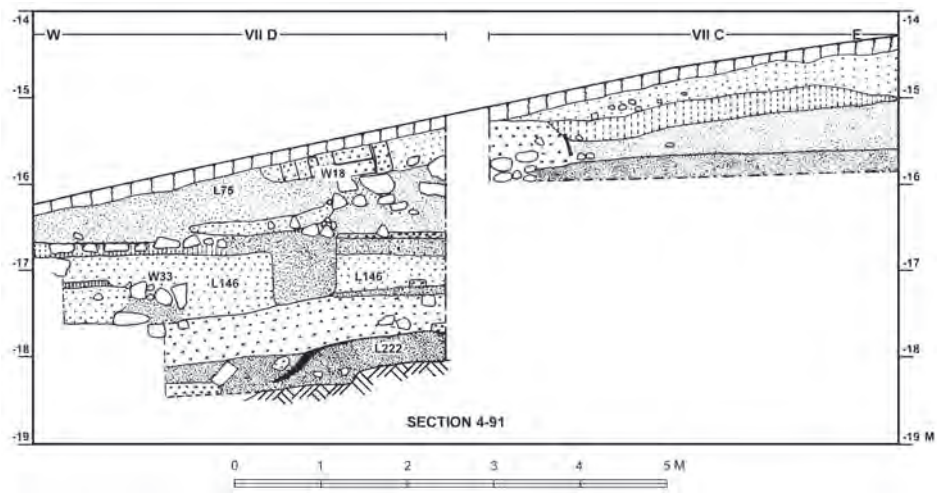


Fig. 54 Section 4-91. Area 2, north section Trenches VII D and C

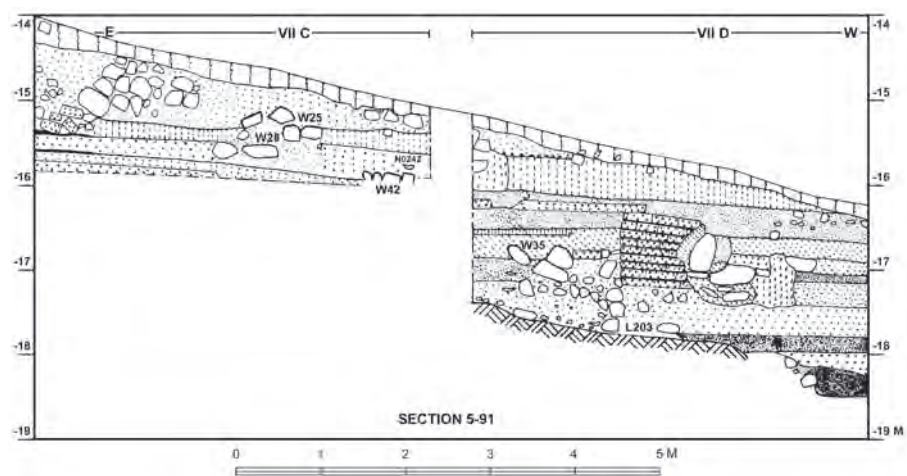


Fig. 55 Section 5-91. Area 2, south section Trenches VII C and D

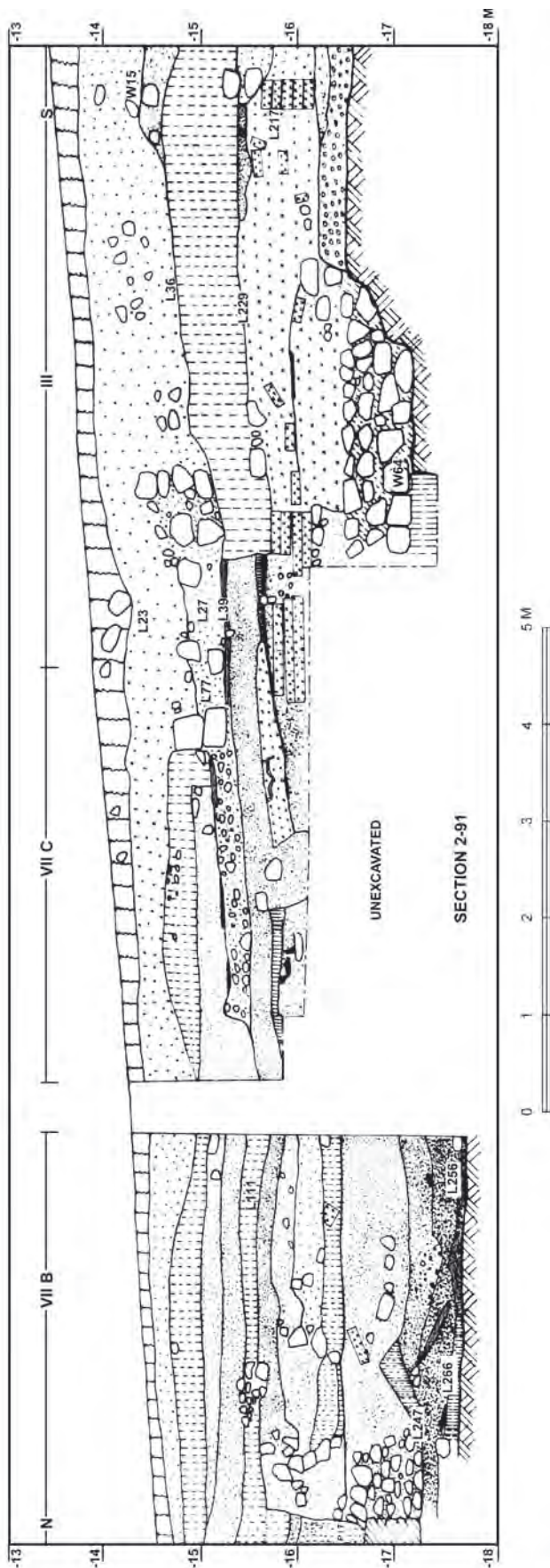


Fig. 52 Section 2-91. Area 2, east section Trenches VII B, VII C and III

to the north-western edge of the tell, from which the steep northern slope descends, presents a problem, in that there is no connection with the southern, major, part of Area 2 in terms of architecture or common stratigraphical features. This problem is accentuated because of the above-mentioned large, bedrock-deep Iron Age cistern between these two parts of Area 2. As a result "Area 2 North-west" will therefore be treated separately.

PHASE XII, AREA 2 (Figs. 63, 64)

Architecture and features

This phase, which is not very well preserved, comprises some sub-phases which are difficult to separate. The rectangular structure (henceforth called tower) was originally built in this phase but reused, or at least partly reused, in later phases. It measures $8\text{ m} \times 4\text{ m}$ (W23, 24/141, 150, 145). The inner space of the tower (L80, 300, 306) is filled with disintegrated mudbrick tiles and measures $4.4\text{ m} \times 1.4\text{ m}$. Almost no pottery or other finds were found within the filling of the tower. Two walls emerge from the northern corner of the tower: one to the north-west (W163) and another to the north-east (W149). No connection with any other construction was found, which suggests that the tower was a fairly isolated structure. Traces of ash were found in the north-east of the tower. East of the tower is a stone pavement (L108, 142, 160, 179, 294, 299, 301', 303', 307, 307', 319) within which a water channel was integrated (L145, 171). The channel turns from north-east to west. It is 30–40 cm wide and bordered by two parallel rows of stones. It does not seem to have been covered in ancient times. Its bottom is a stone paving of closely laid small stones. Some disturbed structures were found east of the tower (e.g. W26, 28).

Interpretation of the material evidence

The tower of Area 2 is approximately half the size of the tower in Area 7 (see below). There is no entrance to the inside of the tower, which indicates that the structure was compact and served as an observation platform, very likely reached by a ladder. Sub-phases which are difficult to separate due to erosion demonstrate that the tower was altered during the Iron Age. The channel is an outdoor construction obviously used to transport water to a lower-situated cistern, most likely the cistern in Trench XXXIV C. The paved area between the tower and the channel seems to be a road. An interpretation of the destroyed walls and features around the tower is not possible.

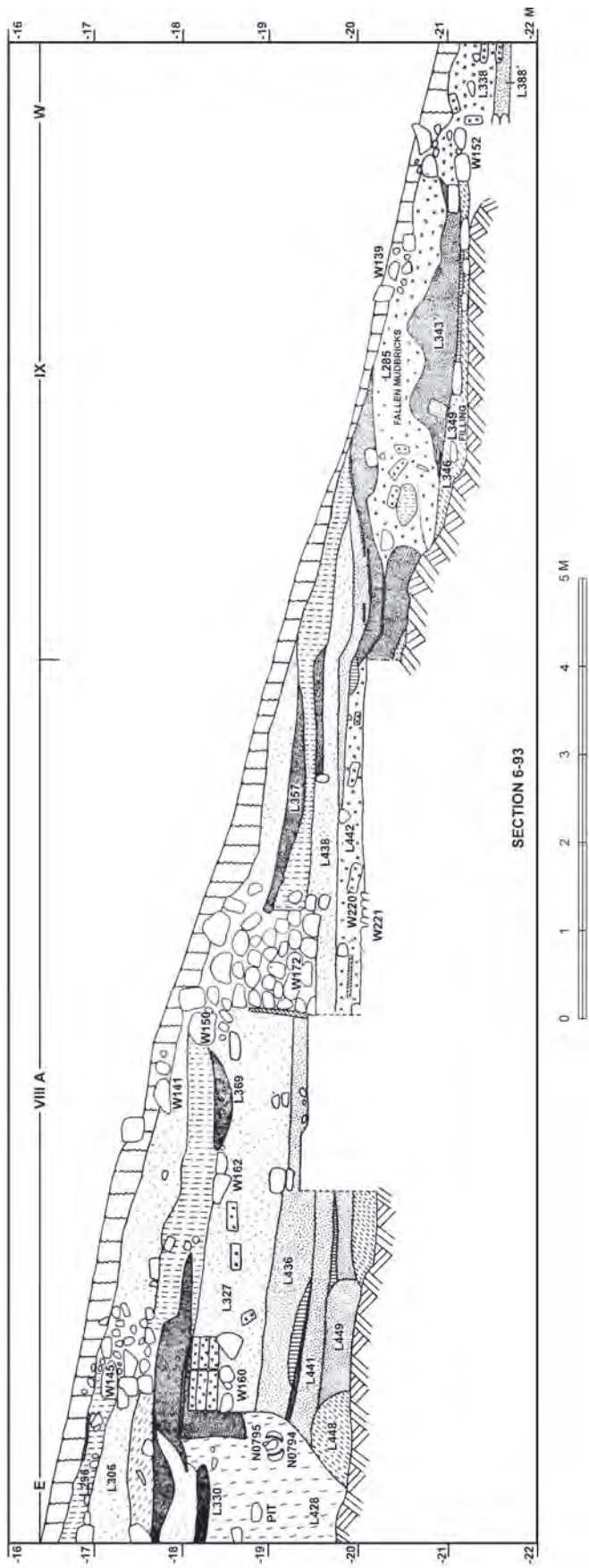


Fig. 61 Section 6-93. Area 2, south section Trenches VIII A and IX

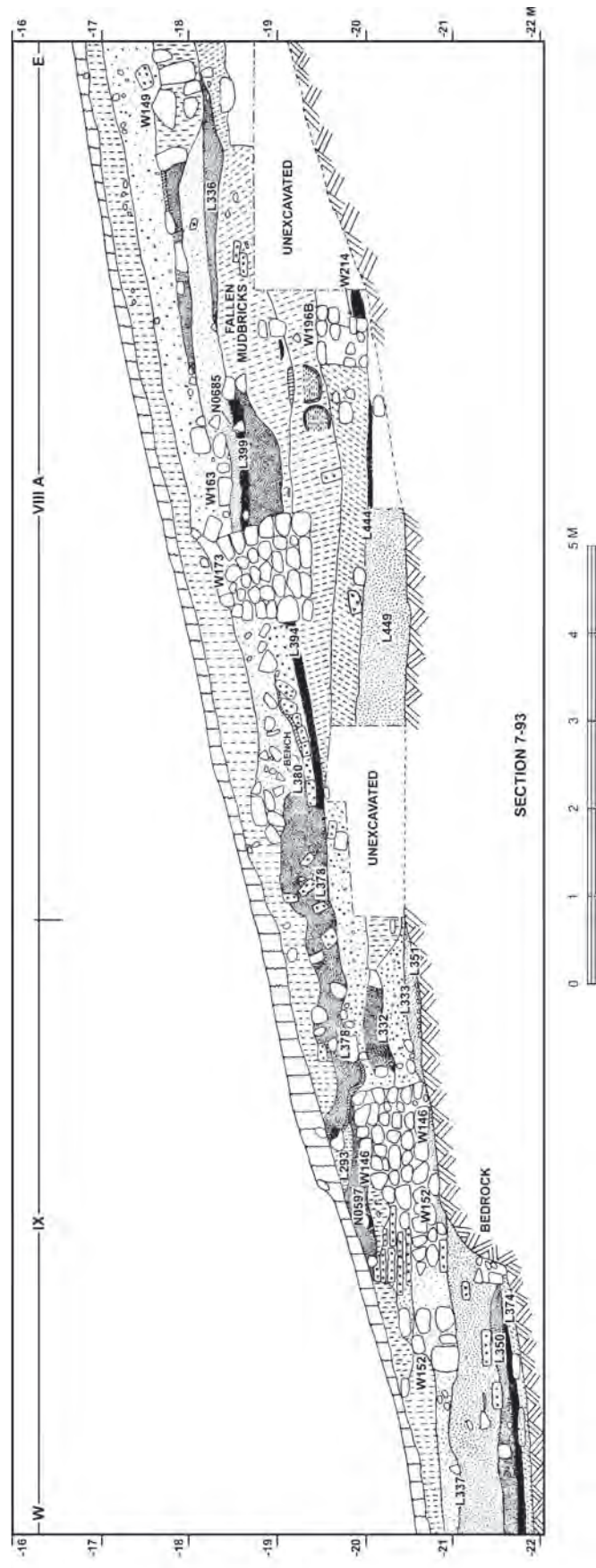


Fig. 62 Section 7-93. Area 2, north section Trenches IX and VIII A

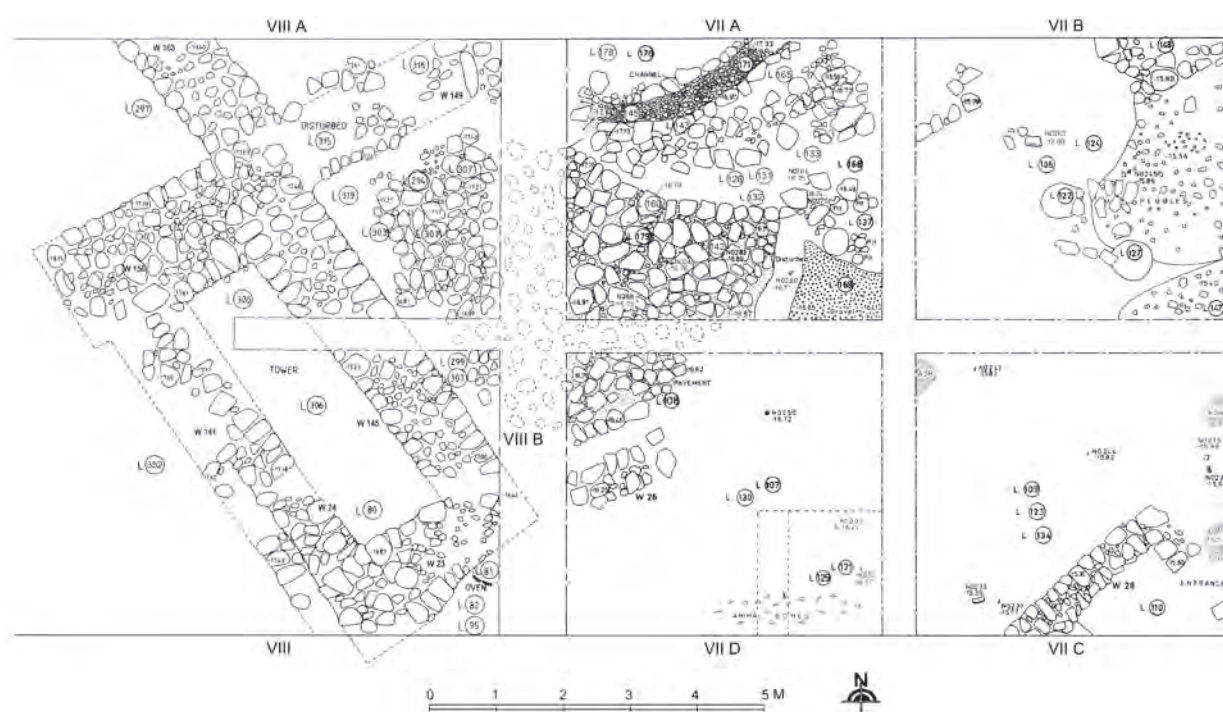


Fig. 63 Plan of Phase XII, Area 2

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
23	0.8	0.7	3			
24/141	0.7	0.7	3			
26	0.6-0.7	0.3	1-2			
28	0.6	0.4	2			
145	0.7	0.7	3			
149	0.7	0.2	1			
150	0.9	0.5	2-3			
163	0.7	0.3	1-2			

Table 11 Description of the walls of Phase XII, Area 2

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
80	fill	6				
81	tabun, d.?					
82	fill	1	1 b, 1 ud			
95	fill	3				
107	surface, o.d.	13	-2 b, -3 b, 6 b, 5 jl, 5 sj, 4 ep, 7 ud		N234, N250	
108	stone pavement					
109	surface, o.d.	10	-1 b, -7 k, 9 b, 1 k, 1 jl, 4 ja, 3 sj, 7 ep, 5 ud		N233, N235, N236, N237, N243, N244	

Table 12 Description of the loci of Phase XII, Area 2

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
110	fill		1 b, 2 k, 3 ja, 2 cp			
121	fill	2	1 jl, 1 sj, 1 cp			
122	pit					
123	fill	6	6 b, 1 dt, 1 cp			
124	fill	1	7 b, 1 sj, 1 cp			
126	fill		2 b, 3 ja, 1 sj, 1 cp			
127	pit		2 b, 1 j, 1 ja			
129	fill	5			N253	
130	fill	9	4 b, 2 k, 3 jl, 3 j, 5 sj, 6 cp, 1 dec, 8 ud			
131	fill		1 ja			
132	fill		8 ud			
133	fill	5	4 b, 3 jl, 2 j, 3 ja, 1 hm, 2 cp			
134	fill	7	5 b, 3 sj	2?		
136	surface, o.d.	7	5 b, 2 k, 2 bjl, 1 j, 1 hm, 6 sj, 2 cp, 2 dec		N263	
137	fill	1	1 jl			
142	fill above pavement					
143	stone lining	6	-1 ja, 3 b, 1 jl, 1 hm, 2 ja, 2 sj, 3 cp			
145	water channel	9	5 b, 1 j, 4 ja, 1 hm, 3 sj, 2 cp, 4 ud			
147	gravel surface					
148	stone setting					
160	fill above pavement	2	2 b, 4 k, 2 j, 1 sj		N248, N260	
165	stone lining	15	1 b, 1 j, 1 cp, 1 ud			
168	surface, o.d.	3	-1 jl, 1 b, 1 jl, 1 cp, 4 ja, 1 ud		N266, N270	
169	gravel surface	1	2 j, 1 cp			
170	fill		1 b, 1 jl			
171	water channel	7	3 b, 1 jl, 2 j, 1 ja, 1 cp, 2 ud			
178'	surface, o.d.	6	1 b, 1 k, 1 jl, 1 j, 1 ja, 3 ud			
179	pavement	6	1 k, 3 ud		N283, N288	
297	outside tower					
300	fill		4 ud			
301'	stone pavement					
303'	stone pavement					
306	fill					
307	stone pavement					
307'	stone pavement	3	27 ud			
315	disturbance in wall					
316	disturbance in wall	2	1 jl, 1 cp, 35 ud			
319	fill	4	7 ud			
352	outside tower	2	-1 k, 1 b, 1 ja, 1 cp, 3 h, 61 ud			
W28	inside wall	7	2 b, 1 cp			
W145	inside wall	4				

Table 12 continued Description of the loci of Phase XII, Area 2

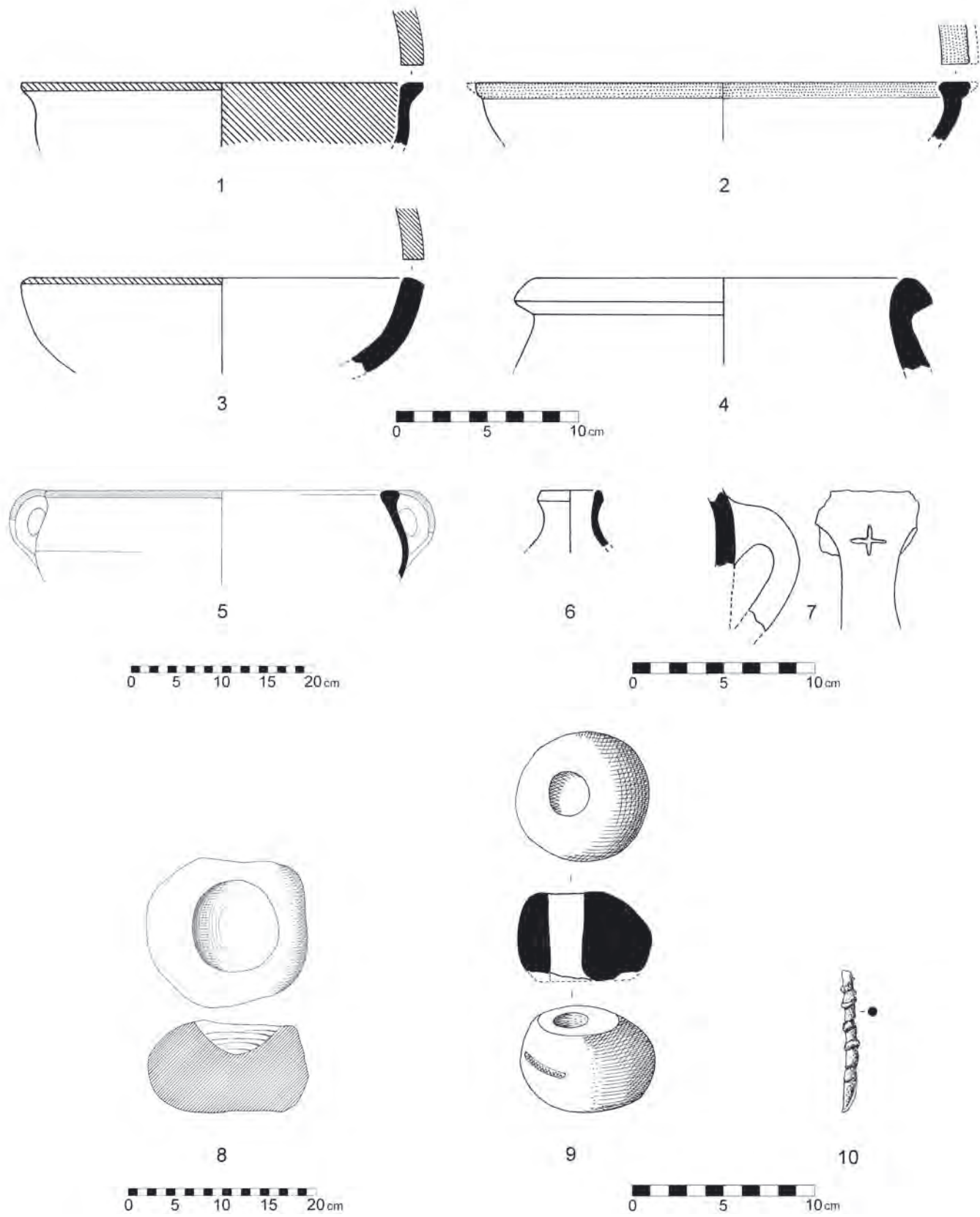


Fig. 64 Pottery and other finds from Phase XII, Area 2

Legend for the illustrated pottery and other finds from Phase XII, Area 2

Fig.	Locus	No.	Description
64:1	109	-1	Bowl, hard-fired, greyish-brown fabric, medium-coarse, black inclusions, reddish-brown slip on rim and interior.
64:2	107	-3	Bowl, medium-hard-fired, grey fabric, medium-coarse, dark grey inclusions, light brown slip, light red decoration on rim.
64:3	107	-2	Bowl, medium-hard-fired, grey fabric, dark grey core, dark grey inclusions, light pinkish-brown slip, red decoration on rim.
64:4	109	-7	Krater, hard-fired, brown fabric, medium-coarse, mainly white and black inclusions, reddish-brown slip.
64:5	352	-1	Krater, medium-hard-fired, brown fabric, medium-coarse, multicoloured inclusions, light brown slip, red decoration on rim and handles.
64:6	168	-1	Juglet, medium-hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip.
64:7	143	-1	Jar, handle, medium-hard-fired, orangish-brown fabric, grey core, coarse, multicoloured inclusions, self slip; incised cross on upper side of handle.
64:8	168	N270	Mortar, limestone.
64:9	107	N250	Loom weight, unfired clay, only partly preserved, weight not recorded.
64:10	179	N288	Drill, iron.

Additional finds from Phase XII, Area 2 (listed, not illustrated)

Locus	No.	Description
109	N233	Bowl with ring base, basalt, fragmentarily preserved.
107	N234	Lithic, blade, trapezoidal section, L 6.8, W 3.1, Th 0.5 cm.
109	N235	Millstone, basalt, partly preserved, L 15.6, W 7.7, Th 2.5 cm.
109	N236	Millstone, basalt, partly preserved, L 18.5, W 13.0, Th 3.5 cm.
109	N237	Lithic, blade, triangular section, L 2.7, W 2.5, Th 3.0 cm.
109	N243	Toggle pin, twisted pin partly preserved, L 7.3, max. d. 0.9 cm.
109	N244	Lithic, blade, triangular section, L 5.8, W 2.7, Th 1.0 cm.
160	N248	Flint, tool, trapezoidal somewhat irregular shape, L 4.0, W 2.9, Th 0.7 cm.
129	N253	Lithic, blade, triangular section, L 4.8, W 2.7, Th 0.8 cm.
136	N263	Millstone, basalt, L 30.0, W 25.0, Th 10.0 cm.
160	N260	Pestle, stone, H 4.6, d. 5.0 cm.
168	N266	Pin, bronze, broken, L 3.2, d. 0.8 cm.
179	N283	Lithic, blade, trapezoidal section, L 5.5, W 2.3, Th 0.35 cm.

PHASE XIII, AREA 2 (Figs. 65–70)

Architecture and features

The remains of the stone foundations of the tower demonstrate that it was somewhat altered in comparison with the older phase. Some four metres to the east of the foundation of the tower, after passing over a stone pavement, another structure could be approached (W18, 19, 20). This structure houses a channel (L88). Its direction is straight north-east/south-west and it goes parallel with W19. It is incorporated into W18 and emerges into a shallow basin (L97). Both the channel and the basin were once covered by stones, the basin by a large stone slab. The channel, about 25 cm wide, is bordered by two parallel rows of stones. The bottom of both the channel and the basin consists of hard-packed clay. There is no continuation of the water system below the basin. A *tabun* is to the south-east of the channel (Fig. 67). In the far south-east are the rudimentary remains of another wall (W25) which runs parallel to W19, and to the south the destroyed W26'.

Interpretation of the material evidence

The tower is still in use in this phase. The channel represents a sewer between two structures which faces a partly stone-paved pathway. Figure 66 demonstrates the four building phases of the structures and the sewer (seen as excavated).

Legend for the illustrated pottery from Phase XIII, Area 2

Fig.	Locus	No.	Description
69:1	75	-6	Bowl, medium-hard-fired, light greyish-brown fabric, medium-fine, small light grey inclusions, self slip, red wash interior and exterior.
69:2	85	-1	Bowl, medium-hard-fired, light brown fabric, grey core, medium-fine, light orangish-brown slip.
69:3	85	-8	Bowl, medium-hard-fired, light brown fabric, medium-fine, light brown slip.
69:4	75	-5	Bowl, medium-hard-fired, light brown fabric, medium-fine, grey inclusions, self slip, red wash interior.
69:5	85	-5	Carinated bowl, medium-hard-fired, light brown fabric, medium-fine, light greyish brown slip.
69:6	75	-7	Krater, medium-hard-fired, light brown fabric, grey core, medium-fine, grey inclusions, red slipped and burnished interior and exterior.
69:7	75	-8	Krater, hard-fired, light greyish-brown fabric, medium-coarse, grey inclusions, self slip.

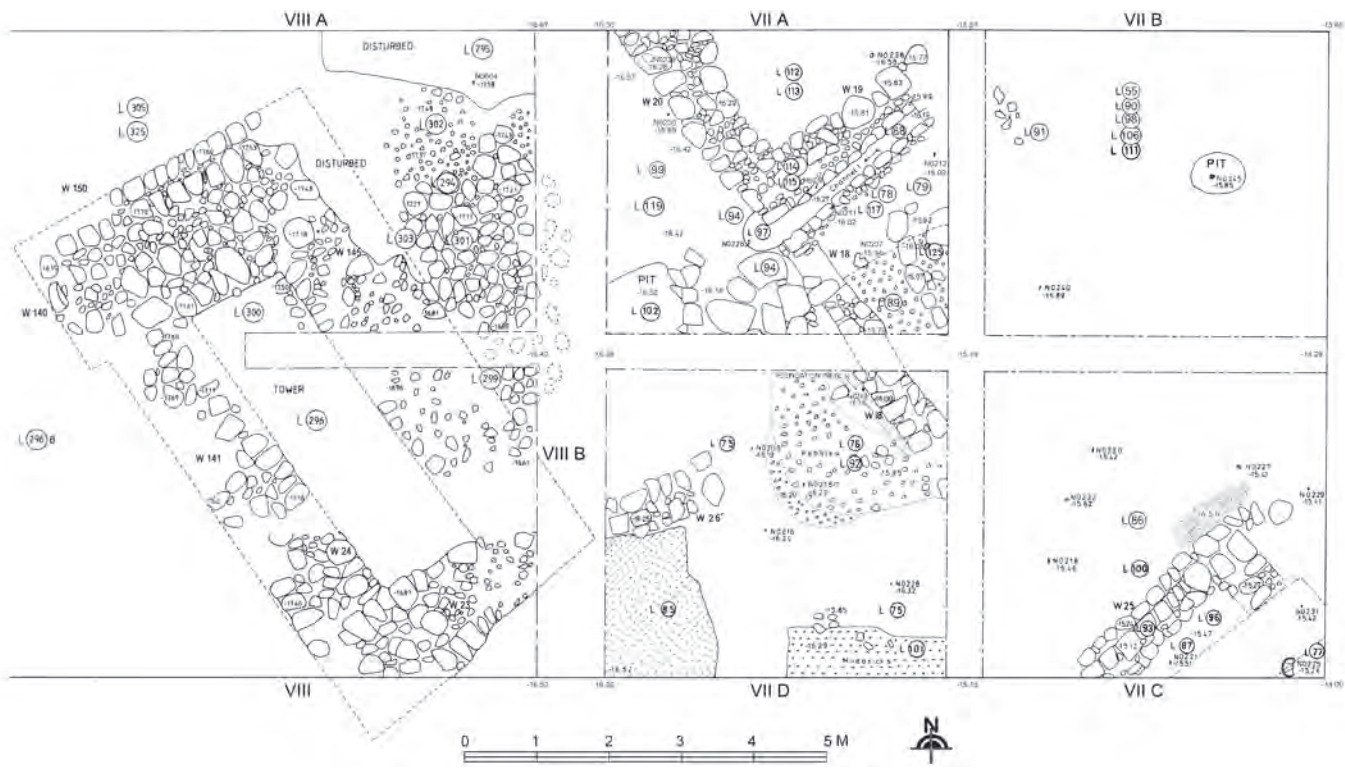


Fig. 65 Plan of Phase XIII, Area 2



Fig. 66 Tower in Phase XIII, Area 2



Fig. 68 Sewer area, Area 2

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
18	0.5	0.4	2			
19	0.9	0.3	2			
20	0.7	0.3	1			
25	0.6-0.7	0.3	1			
26'	0.6-0.7	0.2	1			

Table 13 Description of the walls of Phase XIII, Area 2

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
55	fill	7	7 b, 4 k, 1 j, 2 sj, 5 ep	713		
75	surface, o.d.	9	-3 ep, -5 b, -6 b, -7 k, -8 k, -9 jl, 2 k, 1 ep, 1 j, 3 sj		N215, N216, N228	
76	fill		1 k, 1 ep		N205	
77	surface		1 ep			
78	fill		N207 ja			

Table 14 Description of the loci of Phase XIII, Area 2

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
79	surface	1	3 b, 1 jl, 1 ja, 3 ep, 6 ud		N211, N212	
85	surface, clay	5	-1 b, -2 k, -3 k, -4 ja, -5 eb, -8 b, 1 b			
86	surface, o.d.	3	-3 ja, -4 ja, -5 ja, 2 b, 1 k, 1 jl, 3 sj, 2 ep		N218, N220, N227, N229	
87	surface	1	N225 ep, 3 b, 3 sj, 1 ep		N221	
88	channel					
89	pebbles				N223	
90	fill		-1 jl			
91	heap of stones		-1 ep, 1 b, 1 k, 1 sj	4		
92	pebbles		-1 ja, 1 k		N249	
93	fill above wall					
94	area around basin					
96	surface	2	1 k, 1 ja, 1 sj, 3 ep	1	N231	
97	basin	3	1 j, 1 ja, 2 ep		N226	
98	fill		1 j			
98'	tabun, d. 1.0					
99	fill	2	2 b, 1 jl, 2 sj, 9 ud		N230	
100	surface, o.d.	2	-1 ja, -2 k, -3 jl, 1 b, 1 ja		N232	
101	desintegrated mudbricks	9				
102	pit, d. 1.0	1	2 b			
106	fill					
111	surface, o.d., pit d. 0.6	11	3 b, 1 jl, 5 sj, 5 ep		N240, N245	
112	fill	1	1 b, 2 jl	1		
113	surface	N238, 3	1 j, 3 ja, 1 sj, 1 ep			
114	fill around channel		14 ud			
115	fill around channel	4	1 b, 1 jl, 1 ep, 1 ud			
117	fill		1 jl, 2 ep			
119	surface	1	3 b, 2 jl, 3 j, 1 ja, 1 ep, 1 ud			
125	stone structure	3	1 b, 1 ep			
126	fill					
131	fill					
132	above W18					
133	fill					
294	stone pavement	3	1 ja, 1 sj, 1 ep			
295	disturbance	5	1 sj		N604	
296	fill					
299	stone pavement	4	5 ud			
301	stone pavement		1 sj, 8 ud			
302	pebbles	1	1 ep, 15 ud			
303	stone pavement		1 k, 1 j, 1 ep			
305	fill					
325	fill					
W20	inside wall				N239	

Table 14 continued Description of the loci of Phase XIII, Area 2

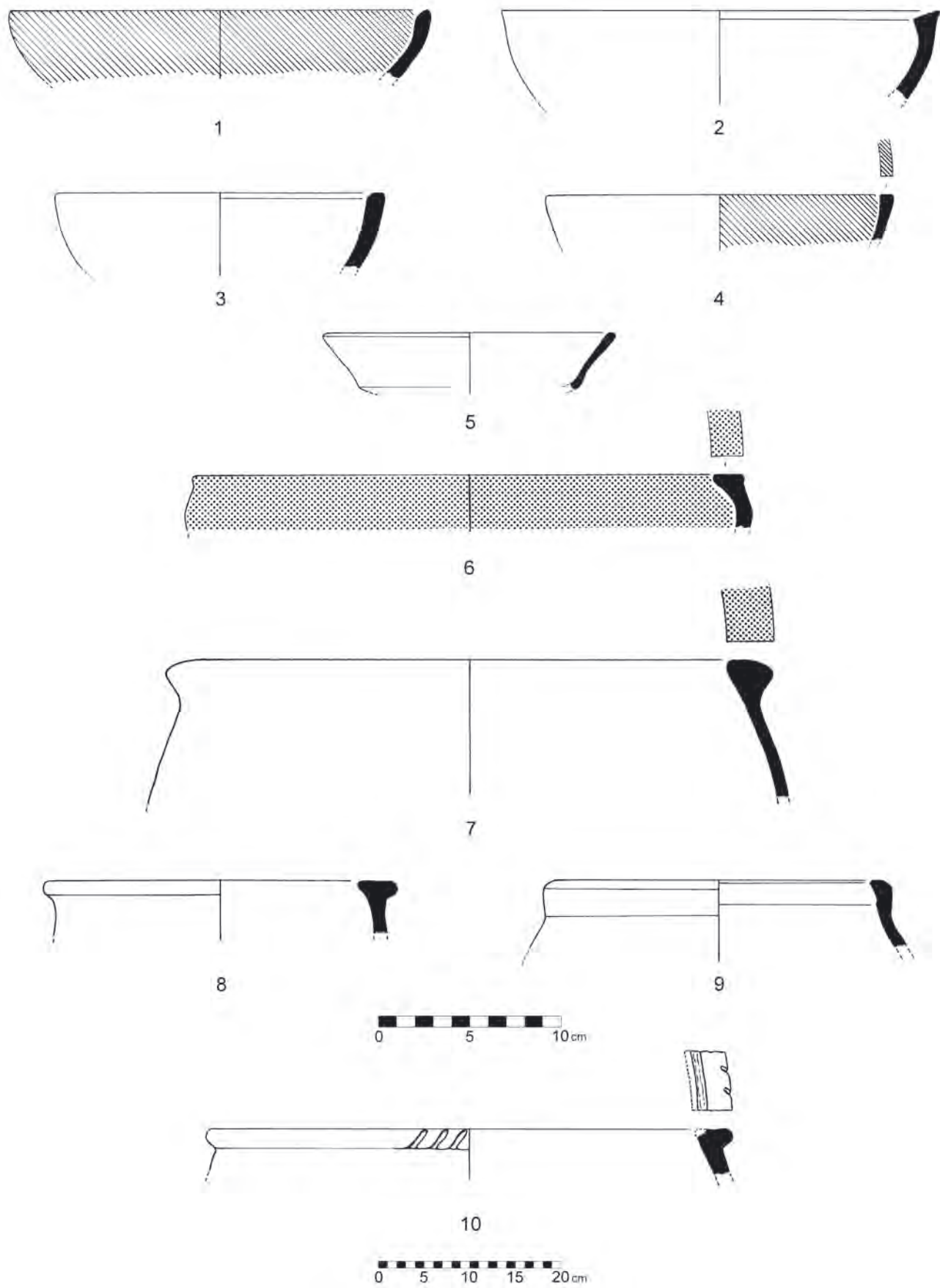


Fig. 69 Pottery from Phase XIII, Area 2

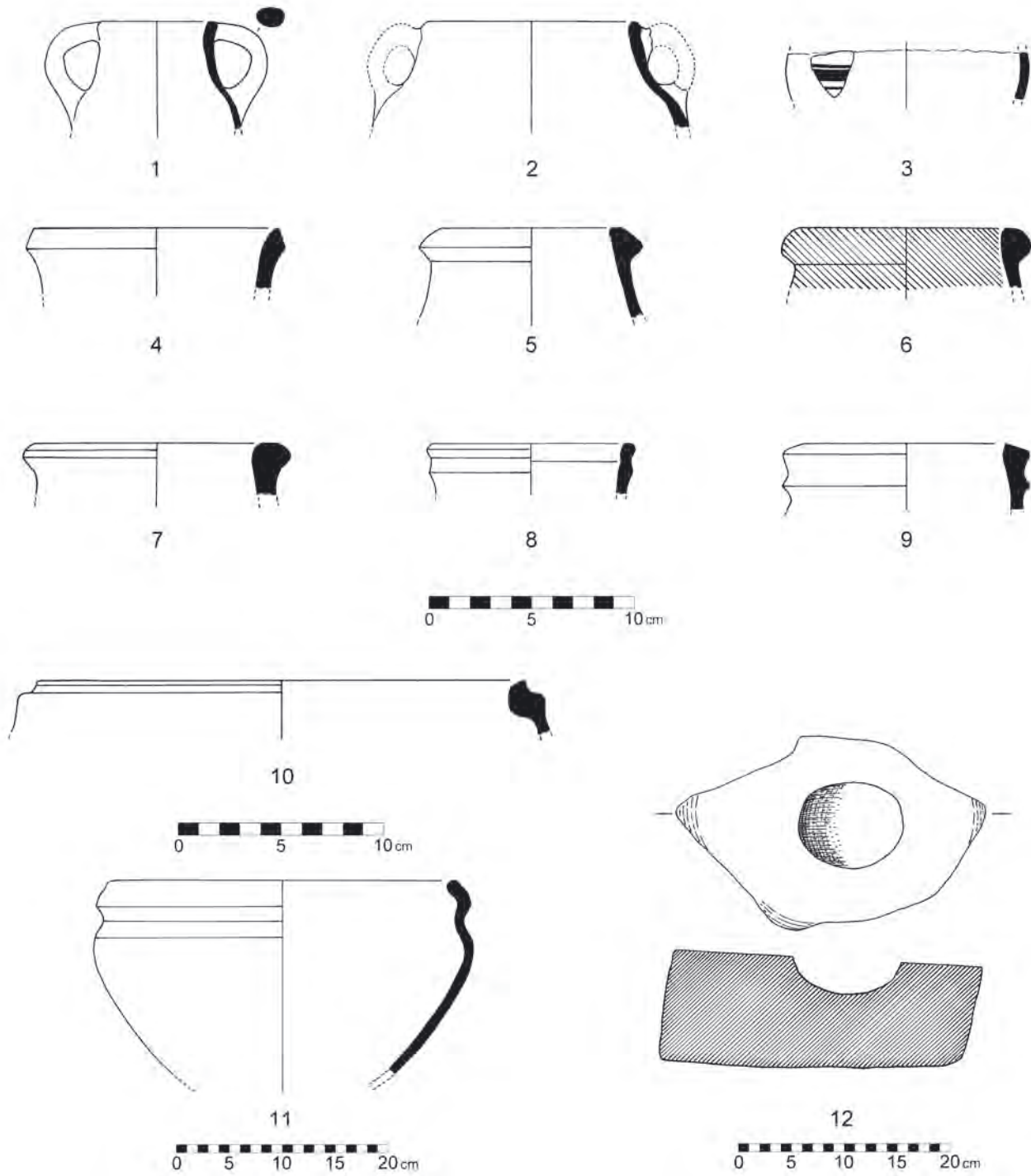


Fig. 70 Pottery and another find from Phase XIII, Area 2

76	N205	Lithic, blade, triangular section, L 6.6, W 1.6, Th 0.7 cm.
78	N207	Jar, fragmentary, hard-fired, yellowish-brown fabric, grey core, medium-coarse, multicoloured inclusions, self slip, partly burnished.
79	N211	Lithic (obsidian?), blade, trapezoidal section, L 1.3, W 0.6, Th 0.2 cm.
79	N212	Lithic, saw, triangular section, L 5.0, W 1.7, Th 0.7 cm.
86	N218	Lithic, blade, trapezoidal section, L 6.3, W 2.0, Th 0.5 cm.
86	N220	Lithic, blade, trapezoidal section, L 6.6, W 2.6, Th 1.5 cm.
86	N227	Spindle whorl, basalt, d. 4.9, H 1.8, d. of hole 0.7 cm.
86	N229	Lithic, blade, trapezoidal section, L 3.6, W 2.4, Th 0.7 cm.
87	N221	Lithic, blade, triangular section, L 4.7, W 2.5, Th 0.7 cm.
89	N223	Roof tile, terracotta, L 14.6, W 13.8, Th 3.1 cm.
92	N249	Millstone, basalt, fragmentary, L 11.2, W 10.1, Th 4.2 cm.
96	N231	Lithic, blade, trapezoidal section, L 3.6, W 1.5, Th 0.5 cm.
97	N226	Lithic, blade, trapezoidal section, L 2.1, W 2.0, Th 0.4 cm.
99	N230	Lithic, blade, trapezoidal section, L 7.9, W 3.5, Th 0.7 cm.
100	N232	Lithic, blade, trapezoidal section, L 6.4, W 2.2, Th 0.6 cm.
109	N233	Bowl with ring base, basalt, fragmentarily preserved.
111	N240	Pin, bronze, fragmentary and very corroded, L 3.3, d. 0.3 cm.
111	N245	Point, iron, triangular section, L 5.8, W 2.2, Th 0.9 cm.
113	N238	Chocolate-on-White II, jug, hard-fired, light orange-brown fabric, grey core, medium-coarse, white inclusions, yellowish-white slip, dark red decoration (see FISCHER 2006a: 162, figs. 187:3, 188 right).
295	N604	Lithic, blade, trapezoidal section, L 5.0, W 1.6, Th 0.7 cm.

thick layer of ash (L262) covers most of the internal space.

Interpretation of the material evidence

The three layers do not necessarily belong to three “periods”. They most likely represent destruction debris of the circular structure which was built just above levelled bedrock. The structure is a kiln for firing pottery. The few sherds from the kiln area fit best the pottery repertoire of Phases X–XII.

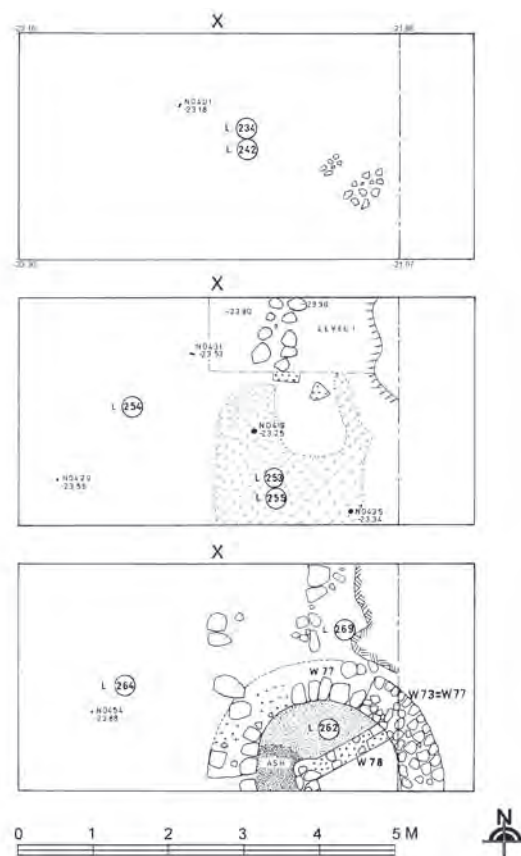


Fig. 71 Plans of the three layers of the kiln area, Area 2

THE KILN, AREA 2 (Figs. 71–73)

Architecture and features

A test trench, Trench X, was opened in the western part of Area 2 where erosion is most manifest. Nevertheless, roughly one metre of cultural debris remained. Three layers could be separated from surface down to bedrock (Fig. 71). An approximately 0.6 m wide circular stone wall (W73/77) surrounds the structure which is 3.2 m in diameter, thus giving an internal space with a diameter of roughly 2 m. The internal space is partly separated by a 1.4 m long and 0.3 m wide mudbrick wall (W78) thus leaving an opening to the west. A

Legend for the illustrated pottery from the kiln area, Area 2

Fig.	Locus No.	Description
73:1	242 -1	Bowl/chalice, hard-fired, light brown fabric, medium-fine, grey inclusions, light brown slip interior and exterior, red wash interior and exterior.
73:2	253 -1	Carinated bowl, medium-hard-fired, light brown fabric, medium-coarse, dark grey inclusions, pinkish-orange slip exterior and interior.

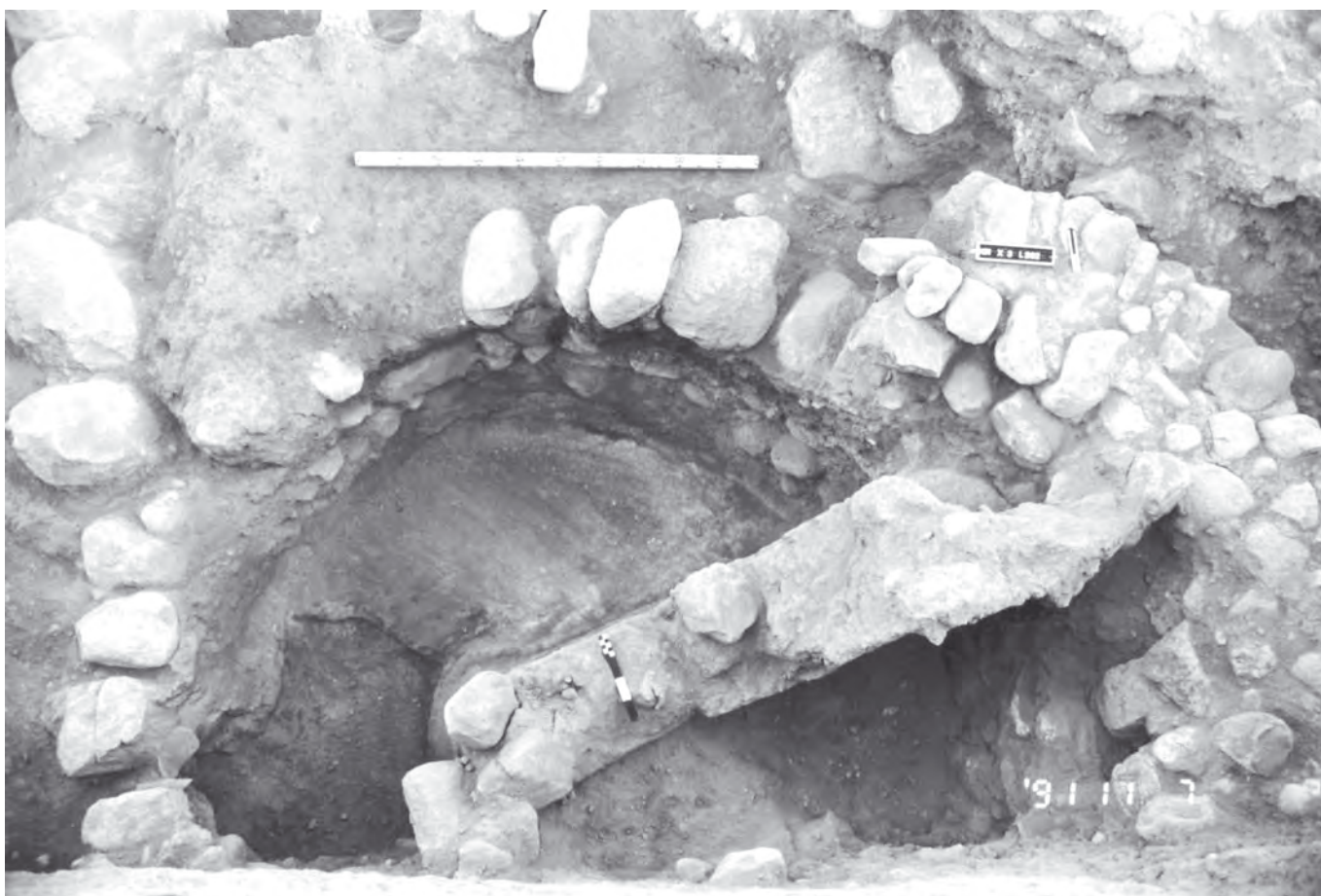


Fig. 72 Kiln, Area 2

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
73/77	0.6	0.5	3			
78	0.3	0.4		3		

Table 15 Description of the walls of the kiln area, Trench X, Area 2

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
234	just below colluvial soil, fill	10	-1 cb, 1 cp			
242	fill	15	-1 b/c, -2 cp, -3 cp, 2 k, 1 j, 2 sj, 3 cp		N401	
253	mudbricks, surface	6	-1 cb, 1 b, 1k, 1 cp		N419	
254	mudbricks	3	1 cb		N429, N431	
255	fill below L253	9	1 k, 1 ja, 4 cp		N435	
262	ash inside kiln	5				
264	fill outside kiln	24	-1 k, -2 cp, -3 cb, 4 b, 1 k, 1 jl, 1 sj, 2 cp, 1 dec		N454	
269	bedrock					

Table 16 Description of the loci in the kiln area, Trench X, Area 2

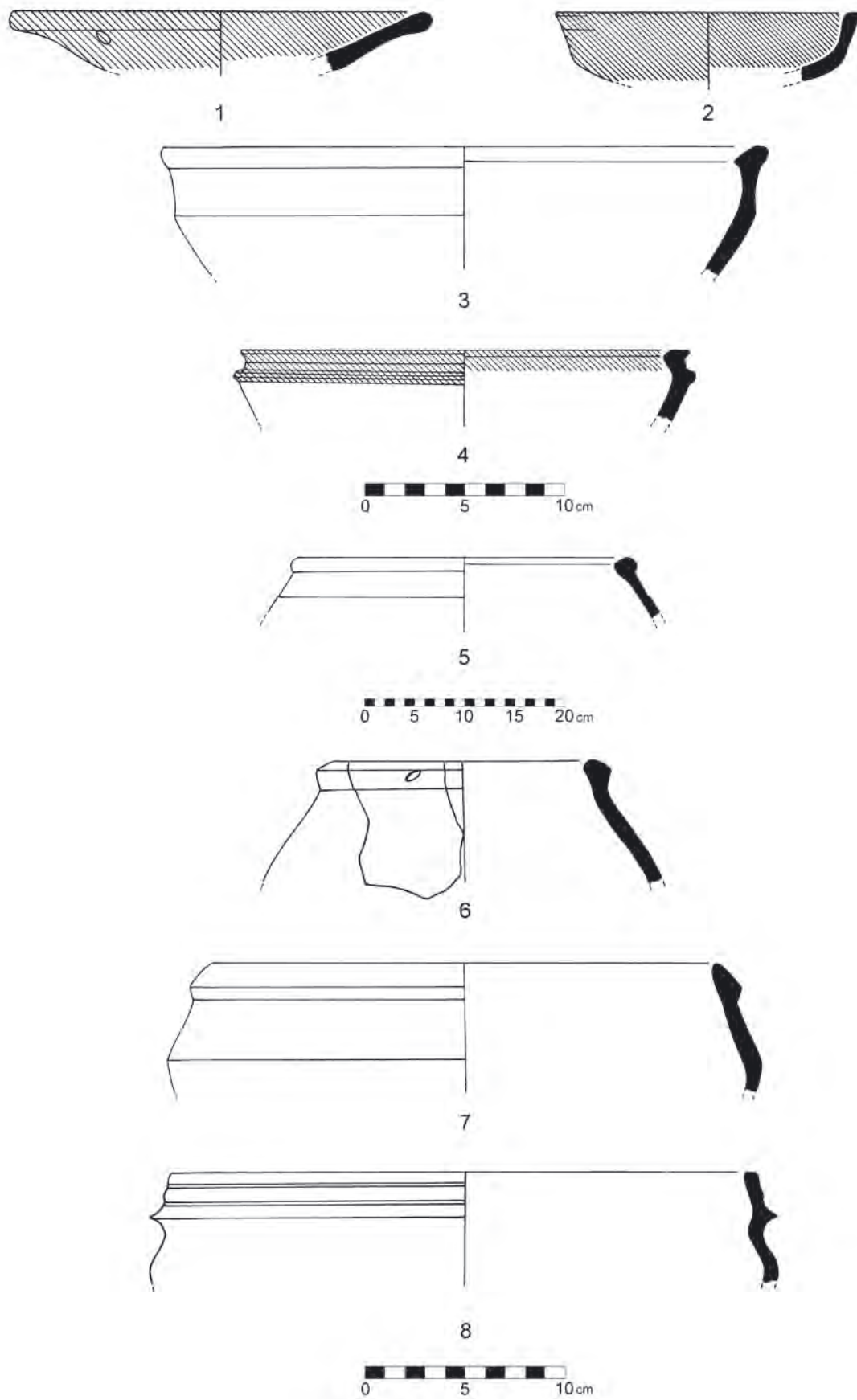


Fig. 73 Pottery from the kiln area, Area 2

73:3	234	-1	Carinated bowl, medium-hard-fired, brown fabric, yellowish-brown core, coarse, dark grey inclusions, self slip.
73:4	264	-3	Carinated bowl, hard-fired, light brown fabric, medium-coarse, mainly grey inclusions, self slip, brown wash on rim; marked ridge below rim.
73:5	264	-1	Krater, hard-fired, yellowish-grey fabric, coarse, mainly grey inclusions, light brown slip.
73:6	242	-3	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip.
73:7	264	-2	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip.
73:8	242	-2	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, coarse, white inclusions, self slip.

Additional finds from the kiln area, Area 2 (listed, not illustrated)

Locus No.	Description
242 N401	Lithic, blade, fragmentary, description missing.
253 N419	Shell, pierced, d. 3.5 cm.
254 N429	Lithic, blade, triangular section, L 3.5, W 1.5, Th 0.4 cm.
254 N431	Lithic, blade, trapezoidal section, L 7.0, W 2.8, Th 0.5 cm.
255 N435	Loom weight, unfired clay, very fragmentary.
264 N454	Bead, glass, yellowish-white, d. 1.2 cm.

AREA 2 NORTH-WEST

This area lies close to the steep northern slope and approximately 100 m north-west of the summit.²⁶ The excavated part of this area comprises Trenches XXXIVA–D, XXXVIIA and XXXVIII A and B, which cover 120 square metres. The dominating structure in the north-western part of the area is the Early Bronze Age city wall, which is 4.2 m wide and fairly close to the surface (FISCHER 2008a). The most superficial parts of this wall were found just below colluvial soil, a similar situation to that in Area 9 West. Just below the surface is a tower-like structure which was used during the Iron Age. It is at least 10 m × 8 m in size with walls more than 1 m wide. The almost square construction is orientated northwest-southeast and northeast-southwest and was built against the Early Bronze Age city wall. The foundation of this structure certainly goes back to the Late Bronze Age and maybe even to the later part of the Middle Bronze Age. This part of the tell contains the hitherto deepest exposed cultural layers of more than 6 m which include excep-

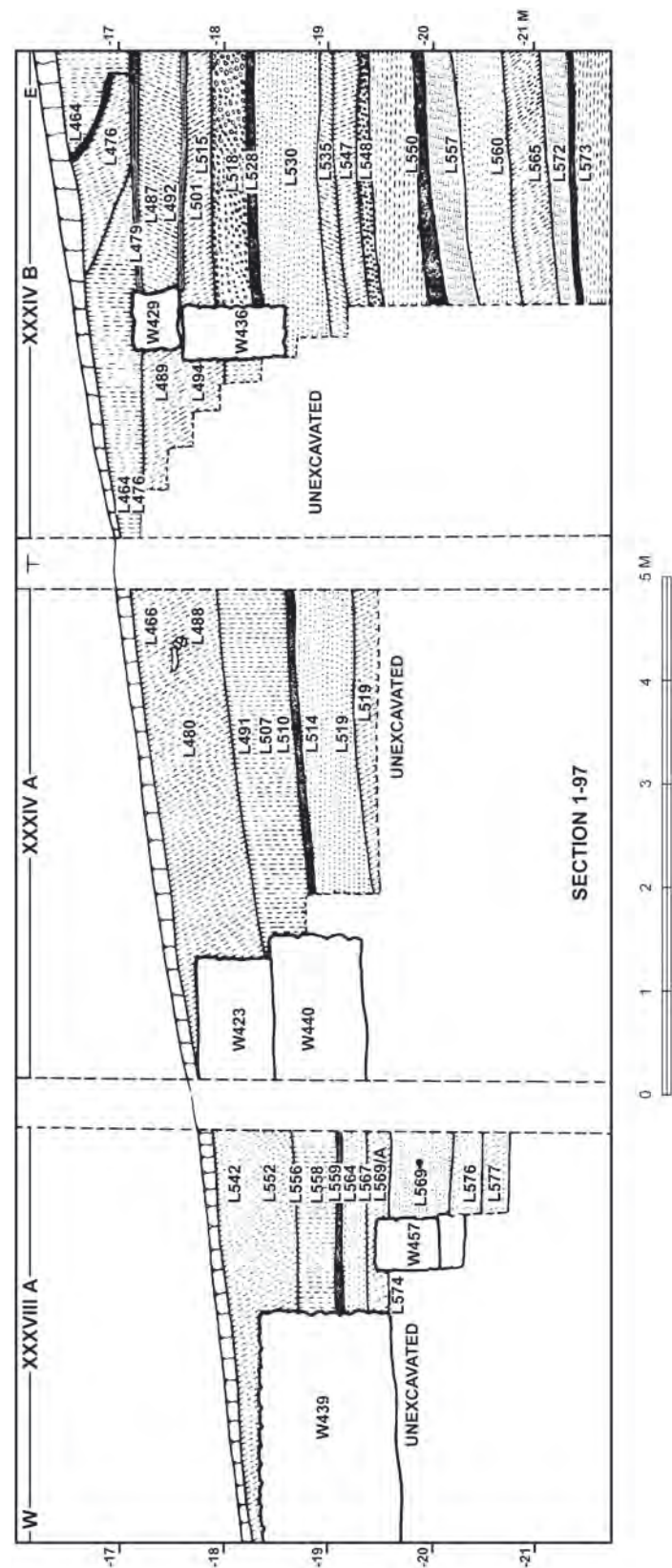


Fig. 74 Section 1-97. Area 2 North-west, north section Trenches XXXVIII A, XXXIVA and B

²⁶ This area corresponds to “Defence System to the North-west (Area 2)” in FISCHER 2006a and 2008a.

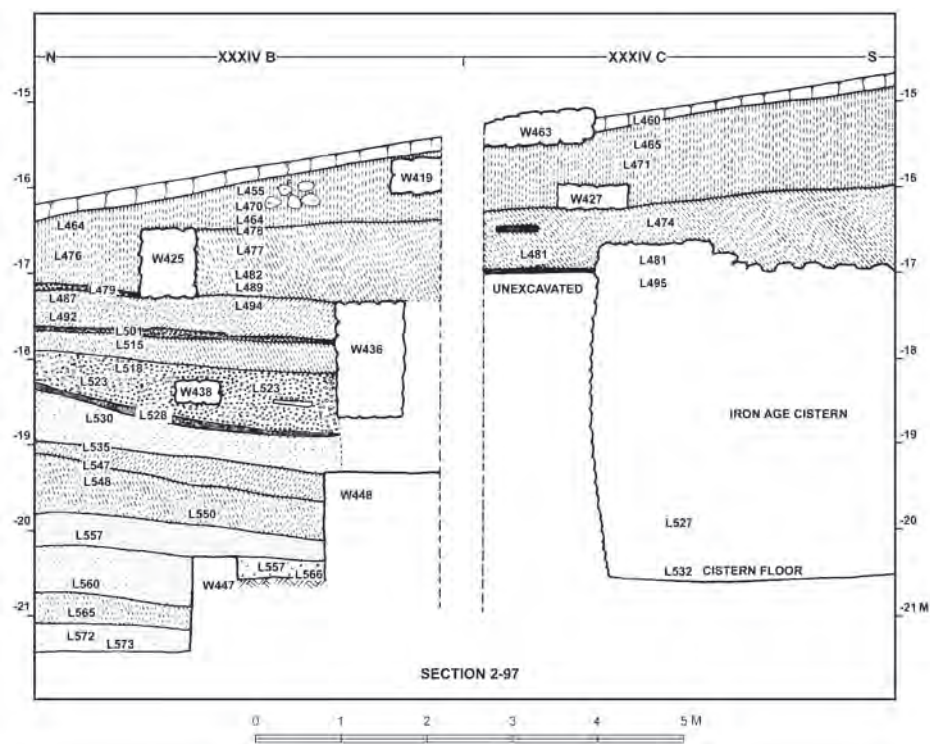


Fig. 75 Section 2-97. Area 2 North-west, east section Trenches XXXIV B and C

tionally well-preserved Early Bronze Age I remains at a depth of approximately 6 m.

The synchronization with the remainder of Area 2 to the south (and the other areas) is made problematic by the presence of an Iron Age cistern 4 m × 3 m wide and 4 m deep in Trench XXXIV C (Figs. 80, 81, 84, 86). The cistern, which once contained approximately 50 cubic metres of water, and the area with additional Iron Age finds surrounding it, cut through all strata, thereby separating this area from the rest of Area 2. Therefore this area is isolated and has no stratigraphical connection to any other area. Because of this situation and prior to any additional excavations, the northern part of Area 2 will be treated separately. The synchronism between this part and the remainder of Area 2 as well as with the overall phasing of the site is tentative and relies only on ceramic finds.

PHASE XI/1–3 (Figs. 76–79)

Architecture and features

These three sub-phases suffered considerably from later building activities. Trench XXXIV B is the only trench where the three sub-phases could be separated (Figs. 76–78); the situation in the other trenches does not allow an unambiguous division.

The attribution of the Iron Age foundation walls, the reused tower to the west, i.e. W440, 431 and an interconnecting wall to Sub-phase XI/1 is tentative (Fig. 76). Sub-phase XI/2 in Trench XXXIV B shows a roughly circular structure (L517) close to a stone-paved area (L503, 516, 520) with a *tabun* (L503') which is bordered by two walls running north-west to south-east (W432, 436; Fig. 77). Minor changes took place in Sub-phase XI/3 where the circular structure was replaced by a partly preserved wall (W430) and W429 replaced the older W436 (Fig. 78). The stone pavement (L499) was reused.

There is an “empty” space to the north-west in Trench XXXIV B, L489 and L494, most likely a disturbance which affected the walls to the south. This disturbance could not be isolated with any certainty.

Interpretation of the material evidence

The size of the square structure from Sub-phase XI/1 to the west which represents a tower is difficult to assess. However, it is at least 10 m × 8 m. A stone-paved pathway runs between the domestic (?) structure to the north-east and the tower which belongs to the defence system.

Nothing can be said about possible, most likely minor, changes in the design of the tower in Sub-phase

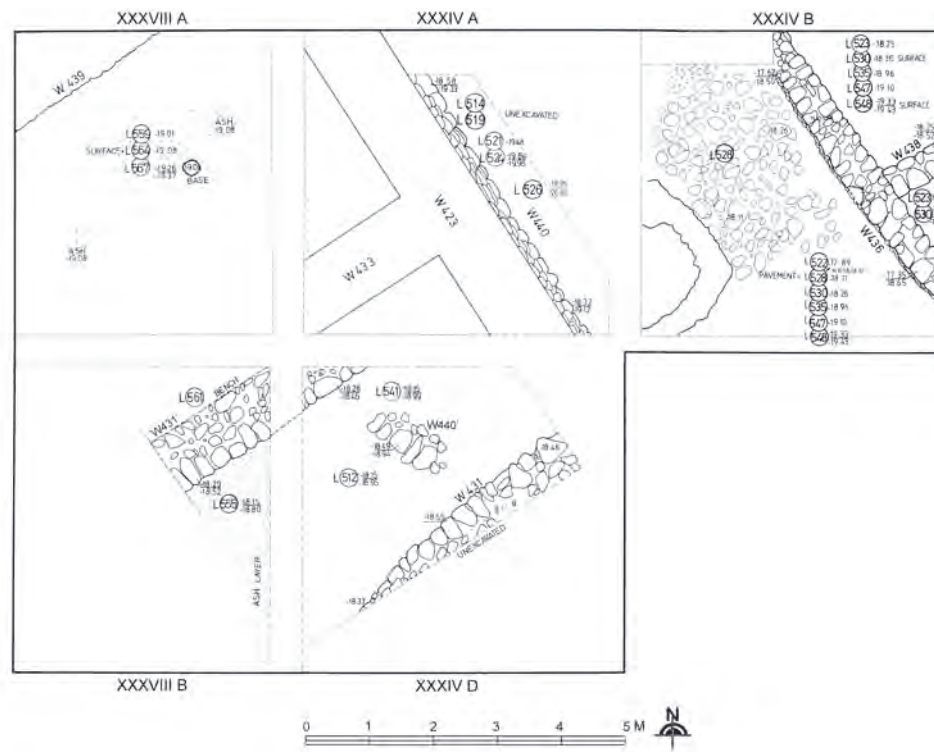


Fig. 76 Plan of Sub-phase XI/1, Area 2 North-west

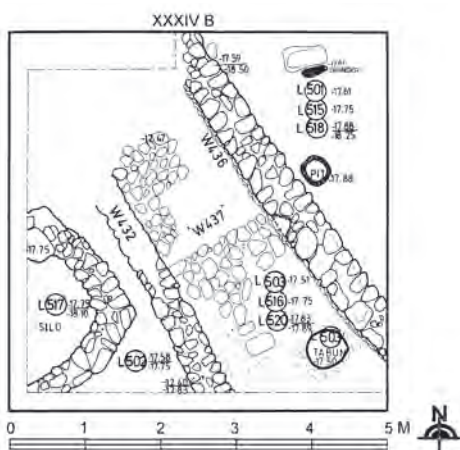


Fig. 77 Plan of Sub-phase XI/2, Area 2 North-west

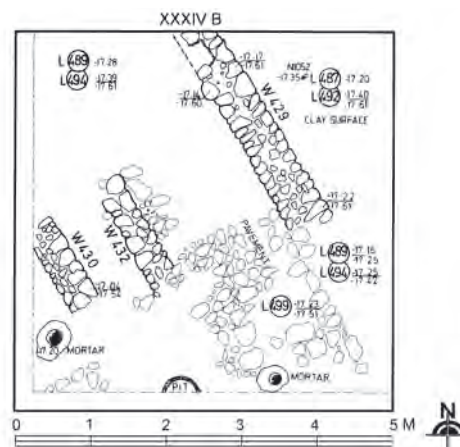


Fig. 78 Plan of Sub-phase XI/3, Area 2 North-west

XI/2 except that it was reused in this phase and in the next Sub-phase XI/3. The circular structure of Sub-phase XI/2 is a silo which was built inside a structure connected to the tower. A stone-paved pathway runs between the tower compound and another domestic structure to the north-west. Judging from the *tabun*, it was used for the preparation of food. The space in the north-east which contains a pit was used for various activities, for example the grinding of seeds.

The silo was no longer in use in Sub-phase XI/3. The disturbed remains of a wall (W430) point to a walled space or shelter which contained a mortar and which was built against the tower. The upper part of W432 from Sub-phase XI/2 is now incorporated into the stone pavement which stretches from W430 to the demolished structure to the north-east (W429) which faces the stone-paved pathway on which another mortar (or a pivot stone for a door) was found.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
423	1.0	0.95		7-9		MB-LB wall, reused
429	0.6	0.4	2			
430	0.4	0.5	3			
431	?	0.2	1			
432	0.4	0.4	2			
433	1.0	0.9		7-9		
434	1.0-1.2	0.7	3			
436	0.6	1.3	7			
438	0.5	0.3	1			
439	4.2	1.25	7			EB city wall, reused
440	1.0	0.9	4-5			
442	1.2	1.0	5-6			
444	1.0	1.0	5-6			
431'	0.9	0.2	1			
440'	?	0.4	1-2			

Table 17 Description of the walls of Sub-phases XI/1-3, Area 2 North-west

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
487	fill, o.d.				N1052 zoo- morphic rhyton	
489	fill, o.d.	2	-1 k, -2 cb, -3 j, 2 b, 6 k, 3 j, 1 ja, 1 sj, 25 ud			
492	clay surface	1	-1 cb, 1 c, 1 k, 1 j, 17 ud			
494	fill, o.d.	1	-1 b, -2 cb, -3 k, -4 cb, 3 b, 3 j, 9 sj, 2 dec, 159 ud			
499	pavement	1	2 b, 1 k, 1 j, 1 jl, 5 sj, 1 cp, 60 ud			
501	fill, o.d.	2	-1 cb, 2 b, 2 k, 2 j, 2 sj, 16 ud			
502	area outside silo	10	-1 k, 17 ud			
503	pavement, tabun d. 0.5	1	5 k, 2 sj, 52 ud			
512	below stone pavement	X				only EB-LB, mainly LB
515	fill, o.d.		11 ud			
516	below pavement	5	1 b, 1 k, 1 j, 6 sj, 1 pf, 2 cp, 134 ud			
517	silo, d. 2.5	3	1 j, 3 ud			
518	surface, o.d.	1	2 b, 3 k, 2 j, 50 ud			
520	below pavement		1 pf, 4 cp, 34 ud			
521	fill outside tower	X				mainly EB-LB sherds
522	fill above pavement	109	3 b, 4 k, 2 sj, 3 pf, 35 ud			mainly EB sherds
523	fill above surface	3	4 k, 2 j, 1 l, 1 cp, 1 dec, 64 ud			
524	fill outside tower	X				mainly EB-LB sherds

Table 18 Description of the loci of Sub-phases XI/1-3, Area 2 North-west

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
528	stone pavement	6	6 sj, 35 ud			
530	hard surface, o.d.	X			N1057, N1058	mixture EB-IA
541	below stone pavement	X				mainly EB-LB sherds
555	entrance to tower		8 ud			
559	destruction debris	78				
561	fill		1 b, 1 ja, 50 ud			
564	surface, o.d.	X				mainly EB-LB sherds
W429	inside wall		1 ep, 23 ud			
W430	inside wall		22 ud			
W432	inside wall		1 b, 21 ud			
W436	inside wall		8 ud			

Table 18 continued Description of the loci of Sub-phases XI/1–3, Area 2 North-west

Legend for the illustrated pottery and another find from Phase XI, Area 2 North-west (all sub-phases)²⁷

Fig.	Locus No.	Description
79:1	501 -1	Carinated bowl, soft-fired, light brown fabric, medium-fine, a few grey inclusions, self slip, red wash interior, splashes of red paint exterior.
79:2	494 -1	<i>Bowl, hard-fired, brown fabric, grey core, medium-coarse, mainly grey inclusions, yellow slip, red paint interior and below rim exterior.</i>
79:3	492 -1	Carinated bowl, hard-fired, red fabric, thick grey core, medium-fine, a few white inclusions, red slip.
79:4	489 -2	<i>Carinated bowl, hard-fired, light brown fabric, fine, yellow slip, red and black paint; incisions below rim (import).</i>
79:5	494 -2	<i>Carinated bowl, hard-fired, brown fabric, grey core, medium-fine, yellow slip, red paint interior and rim exterior.</i>
79:6	494 -4	<i>Carinated bowl, hard-fired, light grey fabric, fine, thick red slip, burnished (import).</i>
79:7	489 -1	<i>Krater, hard-fired, yellowish-brown fabric, medium-coarse, mainly grey inclusions, self slip.</i>
79:8	502 -1	Krater, hard-fired, light brown fabric, coarse, multicoloured inclusions, light yellow slip.

79:9	494	-3	<i>Krater, hard-fired, reddish-brown fabric, medium-coarse, multicoloured inclusions, self slip.</i>
79:10	489	-3	<i>Jug, hard-fired, light brown fabric, grey core, medium-coarse, mainly grey inclusions, light brown slip, white and red decoration, burnished (import).</i>
79:11	487	N1052	Rhyton of animal (horse?), fragmentary, hand-made, medium-hard-fired, light brown fabric, light grey core, fine, light brown slip, red and black paint.
79:12	530	N1057	Spindle whorl, alabaster (?), Wt 24 g.

Additional find from Sub-phase XI/1, Area 2 North-west (listed, not illustrated)

Locus No.	Description
530 N1058	Knife, iron, very corroded, L 10.2, W 2.5, Th 2.2 cm.

PHASE XII (Figs. 80–83)

Architecture and features

The more than 4 m wide Early Bronze Age city wall (W439) was reused and a rectangular structure was built against it (W423, 434, 442). The foundation of this structure, which is 10 m × 8 m in ground plan, goes back to the Late Bronze Age and maybe even to

²⁷ Italics are used in the description of those finds which derive from the disturbance L489 and L494 and which are most likely of later date.

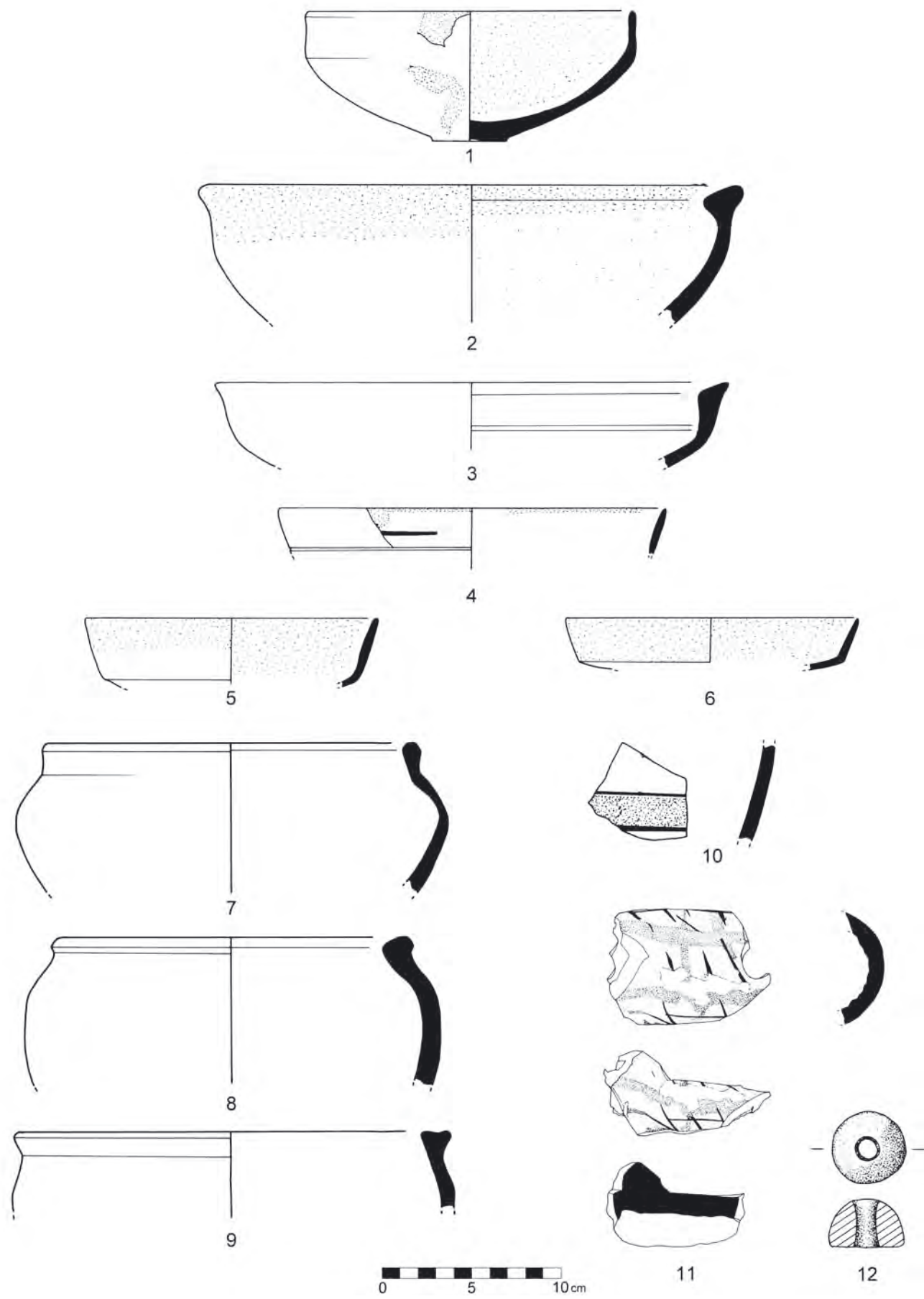


Fig. 79 Pottery and another find from Phase XI, Area 2 North-west (all sub-phases)

the later part of the Middle Bronze Age. There are two stone-paved rooms, of which only parts of the stone pavement are preserved. The north-western room has a posthole in the middle of the room. Much ash and carbonised straw was lying on the floor. The south-eastern room has two stone-built benches (W431, 431') which in fact are reused walls from an earlier period of occupation (see above). This room continues towards the south-west in the shape of a 2.5 m wide corridor (W444, 434) in which numerous mudbricks were found. To the west of the structure is another posthole, to the south a *tabun*, and to the east a kind of annex (W425, 428) of which the southern wall (W428) curves towards a right angle. A stone-sup-

ported jar was found to the north of the annex in a stone-paved portion, and another *tabun* surrounded by a thick layer of ash lying on a beaten earth floor is east of the curving wall.

Another structure which dominates this phase is a cistern. It is well constructed and over 4 m deep: oval in shape, approx. 4 m × 3 m, built of stone, sealed with clay between the stones, and carefully plastered.

Interpretation of the material evidence

The core of the solid city wall (W 439), which is more than 4 m wide, goes back to the Early Bronze Age. The Early Bronze Age city wall was reused in the Middle and Late Bronze Ages after the long occupational lacuna. It was repaired and altered and the basic structure was still in use during the Iron Age. The fairly square structure, 10 m × 8 m in size, which was built against the city wall and aligned with its interior part, resembles a tower with stone-paved internal rooms. There is no doubt that these massive structures were reused during this Iron Age phase because of the discovery of Iron Age material, which was found

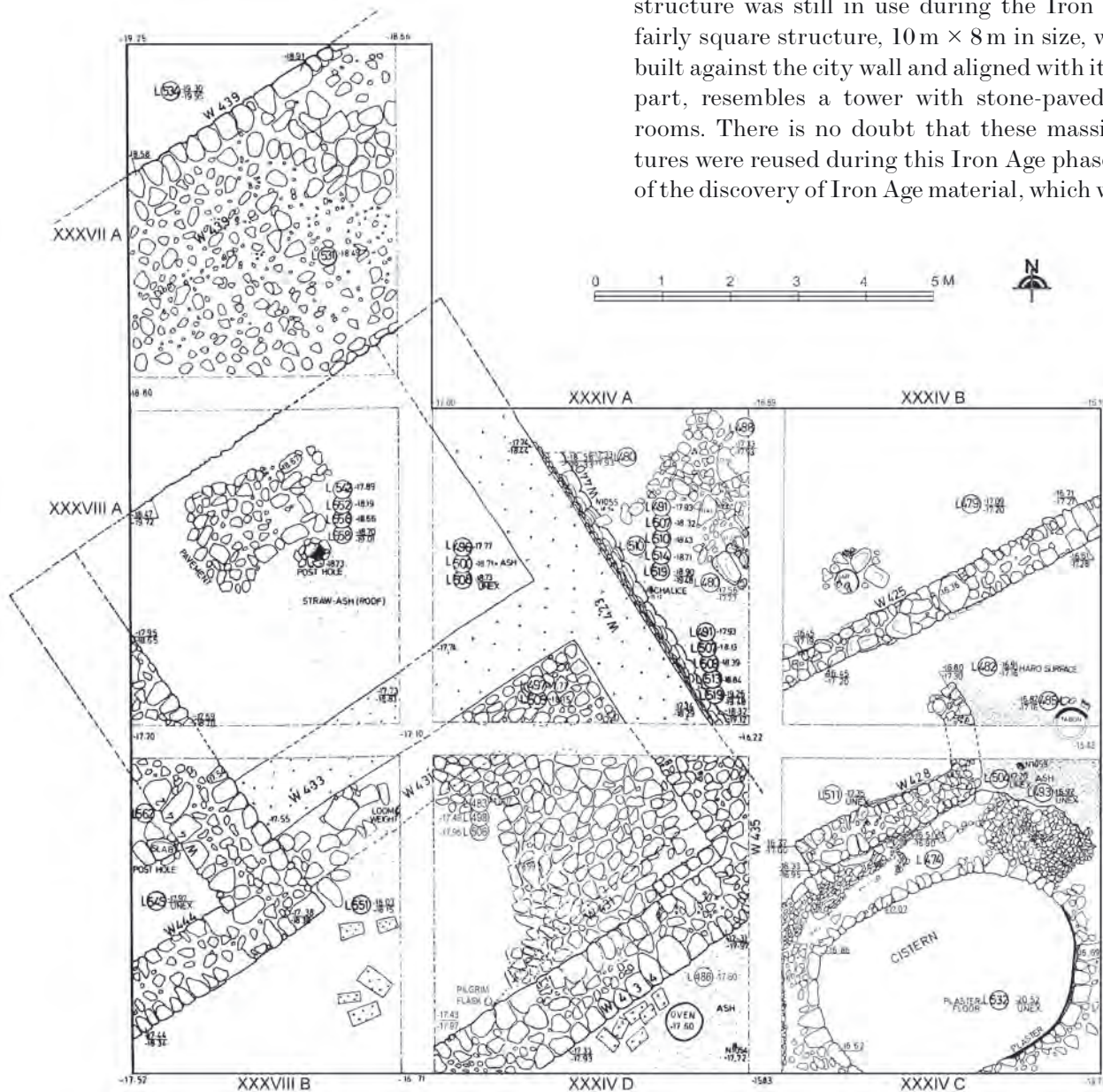


Fig. 80 Plan of Phase XII, Area 2 North-west

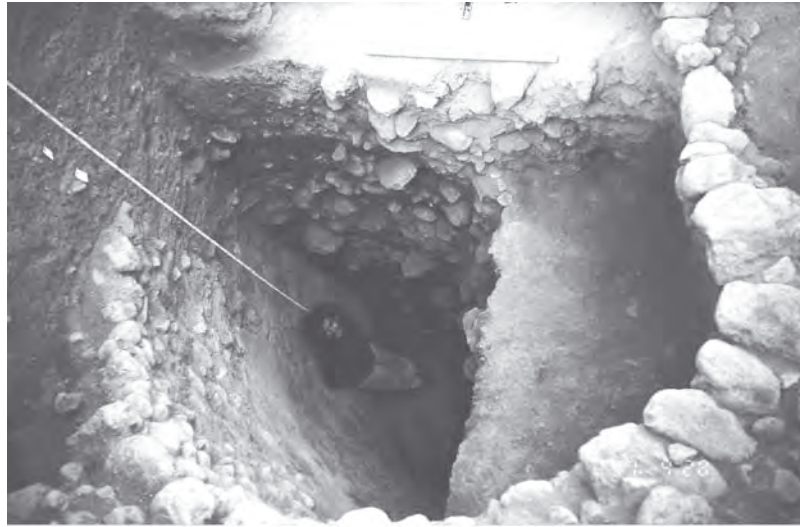


Fig. 81 Cistern, Area 2 North-west

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
423	1.0	0.95		7-9		MB-LB wall, reused
425	0.5-0.6	0.7	3			
428	0.5-0.7	0.6	3			
431	?	0.2	1			reused as bench
431'	0.9	0.2	1			reused as bench
433	1.0	0.9		7-9		
434	1.0-1.2	0.7	3			
439	4.2	1.25	7			EB city wall, reused
442	1.2	1.0	5-6			
444	1.0	1.0	5-6			

Table 19 Description of the walls of Phase XII, Area 2 North-west

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
479	fill, o.d.	1	-1 ic, -2 cp, 2 b, 1 l, 2 cp, 2 sj, 120 ud			
480	fill, o.d.	50	-2 ja, -3 k, 3 b, 3 cb, 1 tri, 5 k, 1 jl, 1 j, 10 sj, 1 cp, 1 pf, 432 ud			
481	fill in cistern		24 ud			
482	hard surface, o.d.	2	-2 b, -3 cp, -4 cb, -5 k, -6 jl, 5 b, 1 cb, 2 k, 2 j, 3 sj, 147 ud			
485	tabun, d. 0.4, ash		-1 k, -2 b, -3 b			
486	ash, o.d.	455	1 sj, 17 ud		N1054	mixed context
488	fill, o.d.		-1 j, -2 k, -3 b, 1 b, 1 cb, 2 k, 3 j, 5 sj, 132 ud			
491	fill, o.d.	150	-1 b, -2 dec hm, 2 b, 7 k, 7 j, 1 ja, 2 cp, 1 dec, 243 ud			
493	ash, o.d.	5	3 k, 2 j, 8 sj, 2 cp, 190 ud			

Table 20 Description of the loci of Phase XII, Area 2 North-west

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
496	fill, o.d.	8	1 b, 1 j, 1 sj			
497	fill above pavement	3	6 k, 4 sj, 174 ud			
498	fill, o.d.	7	-1 k, -2 b, 1 b, 57 ud			
500	surface, ash	1	1 j, 25 ud			
504	ash, o.d.	3				
505	stone pavement					
506	stone pavement	15	-1 b, 10 ud			
508	fill, o.d.	1	2 ud			
511	surface, o.d.	3	1 k, 1 j, 1 sj, 2 pf, 45 ud			
532	fill in cistern					
542	fill, o.d.	20	-1 jl, 5 b, 8 k, 1 jl, 2 j, 3 sj, 1 ja, 160 ud			
545	fill, o.d.	83	2 b, 1 k, 5 j, 1 jl, 5 sj, 1 cp, 139 ud			disturbed
551	fill, o.d.	62	9 b, 6 k, 8 j, 1 jl, 3 sj, 1 cp, 234 ud			disturbed
552	fill, o.d.	8	5 b, 3 k, 1 j, 1 jl, 1 cp, 40 ud			
556	surface, o.d.	197	5 b, 1 j, 18 sj, 35 ud			
558	below surface	105	3 j, 10 ud			
562	posthole, stone-lined					
W428	inside wall		18 ud			

Table 20 continued Description of the loci of Phase XII, Area 2 North-west

abundantly all over the area of excavation. A roof support in the centre of the northern space and carbonized straw point to a collapsed roof of clay and straw. Destruction debris and traces of an intensive fire were evident all over the area. The area outside the tower including the annex to the east was used for the preparation of food, judging from the two *tawabeen*. The original water capacity of the cistern is estimated at approximately 50 cubic metres.

Legend for the illustrated pottery from Phase XII, Area 2 North-west

Fig.	Locus No.	Description
82:1	506 -1	Bowl, hard-fired, reddish-brown fabric, coarse, mainly grey inclusions, self slip.
82:2	491 -1	Bowl, hard-fired, brown fabric, grey core, coarse, multicoloured inclusions, self slip.
82:3	498 -2	S-bowl, hard-fired, reddish-brown fabric, grey core, coarse, mainly white inclusions, self slip, red wash.
82:4	488 -3	S-bowl, medium-hard-fired, light brown fabric, coarse, mainly white inclusions, light brown slip, red wash.
82:5	482 -4	Carinated bowl, medium-hard-fired, greyish-brown fabric, medium-coarse, multicoloured inclusions, light reddish-brown slip; marked ridge below rim.

82:6	479	-1	Incense cup, hard-fired, reddish-brown fabric, coarse, mainly grey inclusions, self slip.
82:7	485	-2	Bowl, medium-hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip.
82:8	485	-3	Bowl/cup, medium-hard-fired, light reddish-brown fabric, medium-coarse, multicoloured inclusions, red slip.
82:9	498	-1	Krater, hard-fired, light brown fabric, grey core, coarse, mainly white inclusions, light brown slip, red wash.

Legend for the illustrated pottery and another find from Phase XII, Area 2 North-west

Fig.	Locus No.	Description
83:1	480 -2	Jar, hard-fired, brownish-red fabric, grey core, coarse, green and white inclusions, light greenish-grey slip.
83:2	488 -2	Krater, hard-fired, light brown fabric, coarse, mainly grey inclusions, yellow slip.
83:3	480 -3	Krater, hard-fired, brown fabric, coarse, black inclusions, self slip.
83:4	482 -5	Krater, medium-hard-fired, brown fabric, grey core, coarse, multicoloured inclusions, self slip.

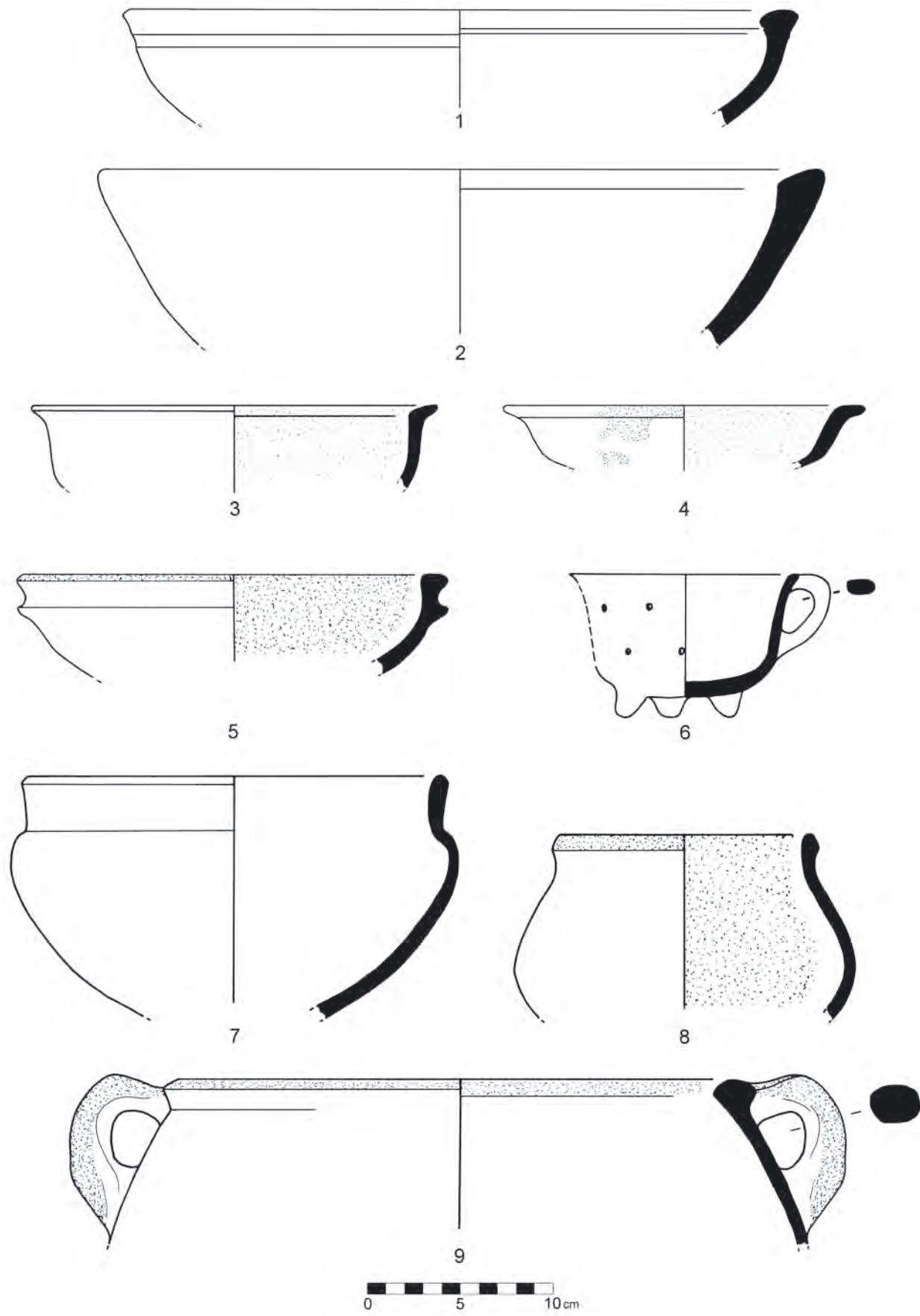


Fig. 82 Pottery from Phase XII, Area 2 North-west

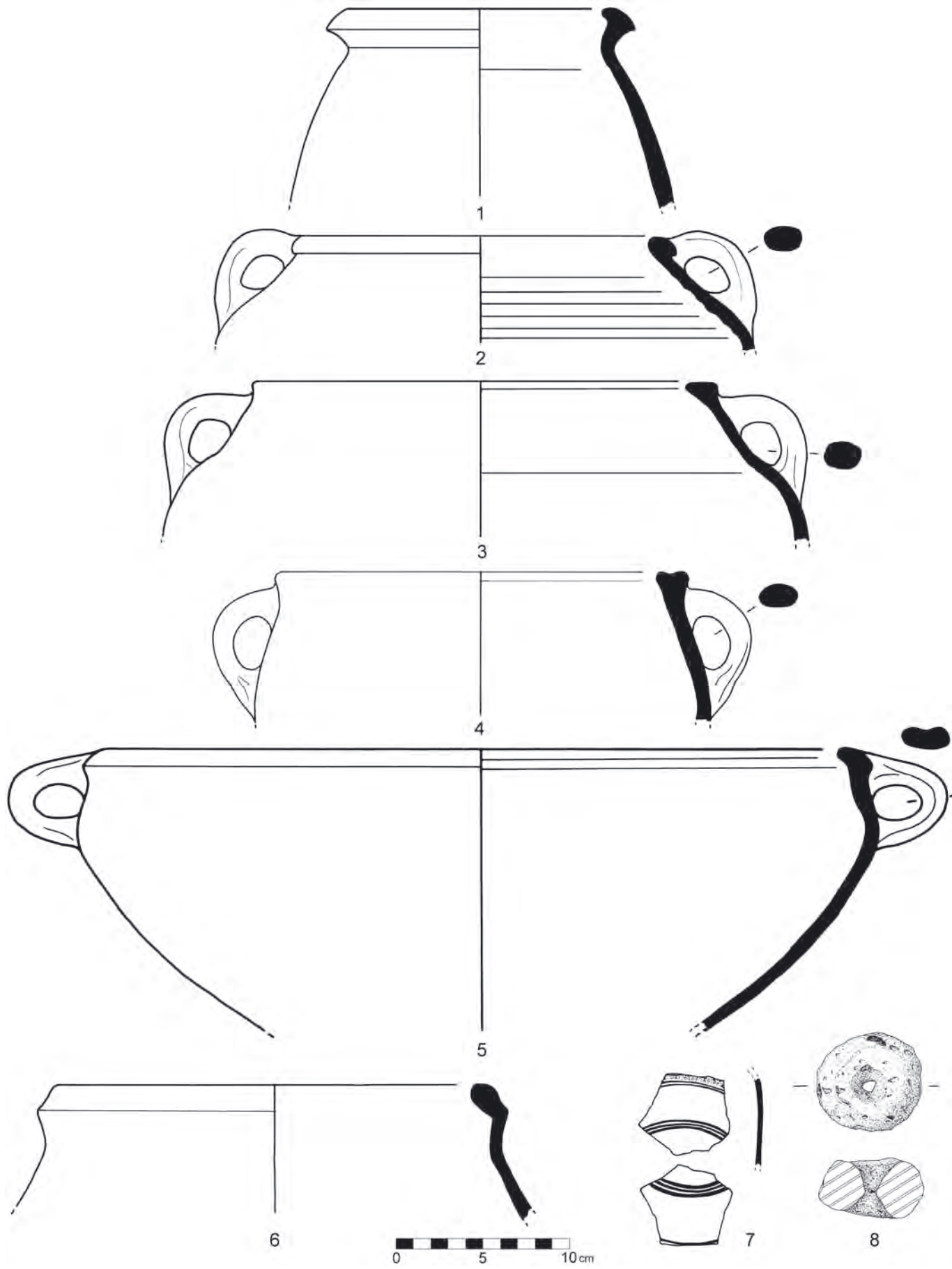


Fig. 83 Pottery and another find from Phase XII, Area 2 North-west

83:5	485	-1	Krater, medium-hard-fired, brown fabric, medium-coarse, multicoloured inclusions, light brown slip.
83:6	482	-3	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, coarse, white inclusions, self slip.
83:7	488	-1	Jug, hard-fired, light brown fabric, fine, yellow slip, dark brown decoration; import.
83:8	486	N1054	Loom weight, basalt, Wt 92 g.

PHASE XIII (Figs. 84–85)

Architecture and features

This phase is only visible in the eastern part where the cistern is. There is the corner of a structure which was built towards the cistern (W426, 427) and at a distance of approximately 3 m is another reused wall (W425) with a clay sewer to the north. There is a well-defined stone pavement (L478) between the two structures.

Interpretation of the material evidence

Not much can be concluded from the scanty remains of this phase. They should be considered only as an alteration of the structures from the previous phase.

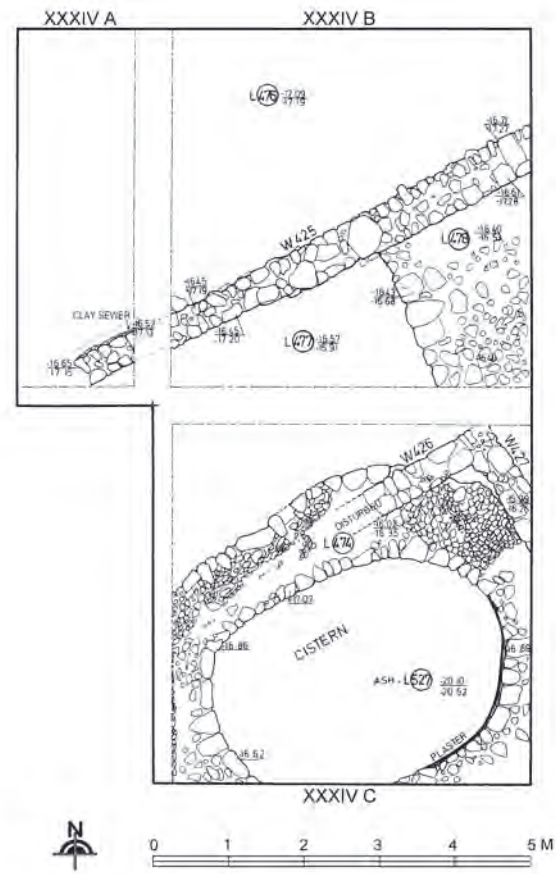


Fig. 84 Plan of Phase XIII, Area 2 North-west

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
425	0.5-0.6	0.7	3			
426	0.5	0.3	1-2			
427	0.5	0.3	1-2			

Table 21 Description of the walls of Phase XIII, Area 2 North-west

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
476	surface, o.d.		-1 b, -2 lid, -3 sj, -4 jl, 1 j, 35 ud			
477	surface, o.d.	3	3 b, 1 k, 1 j, 2 sj, 81 ud			
478	stone pavement					
527	fill in cistern		23 ud			
W425	inside wall	1	2 k, 2 j, 2 sj, 2 cp, 37 ud			

Table 22 Description of the loci of Phase XIII, Area 2 North-west

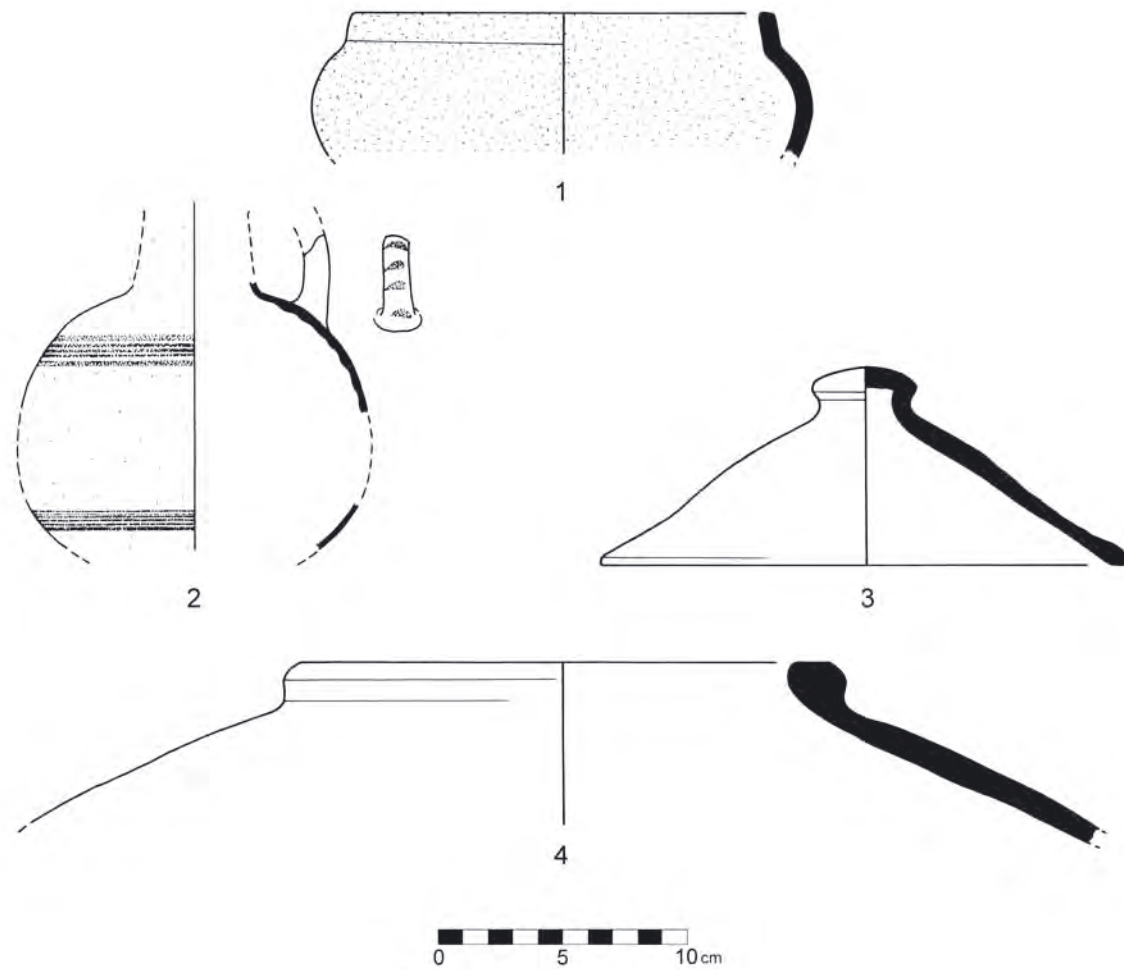


Fig. 85 Pottery from Phase XIII, Area 2 North-west

Legend for the illustrated pottery from Phase XIII,
Area 2 North-west

Fig.	Locus	No.	Description
85:1	476	-1	Bowl, medium-hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, red slip.
85:2	476	-4	Juglet, hard-fired, light brown fabric, medium-fine, light brown slip, red decoration; incised lines above and below belly (import).
85:3	476	-2	Lid, hard-fired, brown fabric, thick grey core, coarse, self slip.
85:4	476	-3	Storage jar, hard-fired, light brown fabric, thick dark grey core, coarse, self slip.

PHASE XIV (Figs. 86–89)

Architecture and features

The cistern was still in use, but it seems that the tower was no longer used. The cistern was approached from the north-west via a stone- and mudbrick-paved road, which ended with a 1 m wide step of hard clay leading up to the cistern. The cistern is surrounded by a stone pavement. Parts of two additional, very eroded, structures were exposed, one in the south-west (W443) and the other with an entrance in the north-east (W419, 420).

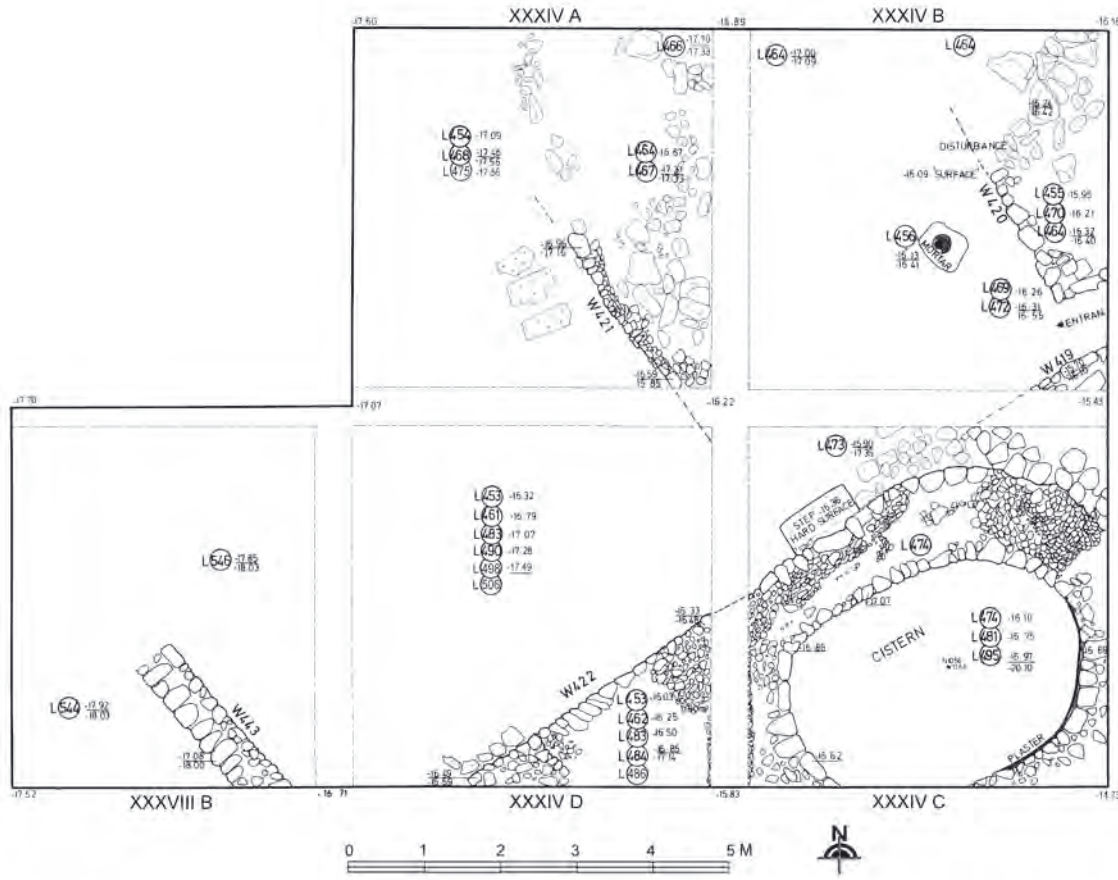


Fig. 86 Plan of Phase XIV, Area 2 North-west

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
419		0.4	2			part of stone pavement
420	?	0.2	1-2			
421	?	0.3	1-2			
422		0.1	1			part of stone pavement
443	0.5	0.9	3-4			

Table 23 Description of the walls of Phase XIV, Area 2 North-west

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
453	fill, o.d.	22				
454	fill, o.d.	44	-1 b, 1 k, 2 j, 2 sj, 2 cp, 97 ud		-2 fig	
455	fill, o.d.		3 ud			
456	fill, o.d.		4 ud			
461	fill, o.d.	17	4 b, 1 j, 3 sj, 1 cp, 75 ud			
462	fill, o.d.	2	1 sj, 2 cp, 45 ud			

Table 24 Description of the loci of Phase XIV, Area 2 North-west

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
463	fill, o.d.		-1 ja			
464	fill, o.d.	3	-1 lid, 4 b, 1 j, 3 sj, 1 dt, 4 cp, 112 ud	1?		
466	fill, o.d.					
467	fill, o.d.	1	1 cb, 1 j, 1 ja, 2 sj, 1 cp, 50 ud			
468	fill, o.d.	6	1 b, 1 sj, 81 ud			
469	fill, o.d.		3 ud			
470	fill, o.d.		2 ud			
472	fill, o.d.		1 b, 1 dt, 63 ud	1?		
473	hard surface	1	-2 cb, 5 b, 3 k, 4 j, 1 ja, 7 sj, 2 cp, 265 ud			
474	fill in cistern	18	4 b, 1 k, 2 j, 3 sj, 2 cp, 119 ud			
475	fill, o.d.	7	2 b, 1 k, 2 j, 2 sj, 133 ud			
481	fill in cistern	11	-1 pf, 3 b, 1 cb, 1 k, 2 j, 11 sj, 11, 1 cp, 256 ud			
483	fill, o.d.	111	-1 j, -2 jl, 5 b, 3 k, 5 j, 1 ja, 1 sj, 3 cp, 7 ud			
484	fill, o.d.	3	-1 ja, 4 sj, 1 cp, 62 ud			
490	fill, o.d.	12	-1 k, 1 j, 4 sj, 1 pf, 104 ud			
495	fill in cistern	15	N1056 bjl, -1 pf, -2 sj, 14 b, 2 k, 1 j, 16 sj, 6 cp, 115 ud			
544	fill, o.d.	28	79 ud			
546	fill, o.d.	7	5 k, 1 jl, 1 j, 2 sj, 113 ud			

Table 24 continued Description of the loci of Phase XIV, Area 2 North-west

Interpretation of the material evidence

The area around the cistern (see above) was altered and improved.

Legend for the illustrated pottery from Phase XIV, Area 2 North-west

Fig.	Locus No.	Description
87:1	454 -1	Bowl, hard-fired, light reddish-brown fabric, light brown core, medium-coarse, multicoloured inclusions, red slip, wheel-burnished; plastic trumpet-decoration on rim.
87:2	473 -2	Carinated bowl, medium-hard-fired, light brown fabric, fine, yellowish-brown and red slip, burnished, black decoration.
87:3	490 -1	Krater, hard-fired, light brown fabric, coarse, mainly grey inclusions, self slip.
87:4	484 -1	Handle of jar, hard-fired, light brown fabric, grey core, coarse, multicoloured inclusions, self slip; incised pot mark.

87:5 454 -2 Bull figurine, hand-made, hard-fired, light pinkish-brown fabric, thick grey core, fine, self slip.

87:6 463 -1 Handle of jar, hard-fired, light brown fabric, grey core, coarse, multicoloured inclusions, self slip; seal impression; see also Figs. 88, 466:4 and Appendix 4.

Legend for the illustrated pottery from the cistern of Phase XIV, Area 2 North-west

Fig.	Locus No.	Description
89:1	495 N1056	Black Juglet, hand-made, medium-hard-fired, brown fabric, fine, thick black slip, hand-burnished.
89:2	495 -1	Pilgrim flask, very hard-fired, light brownish-red fabric, thick grey core, medium-coarse, white inclusions, thick white slip.
89:3	495 -2	Storage jar, hard-fired, reddish-brown fabric, thick black core, coarse, multicoloured inclusions, self slip; finger impression on rim.

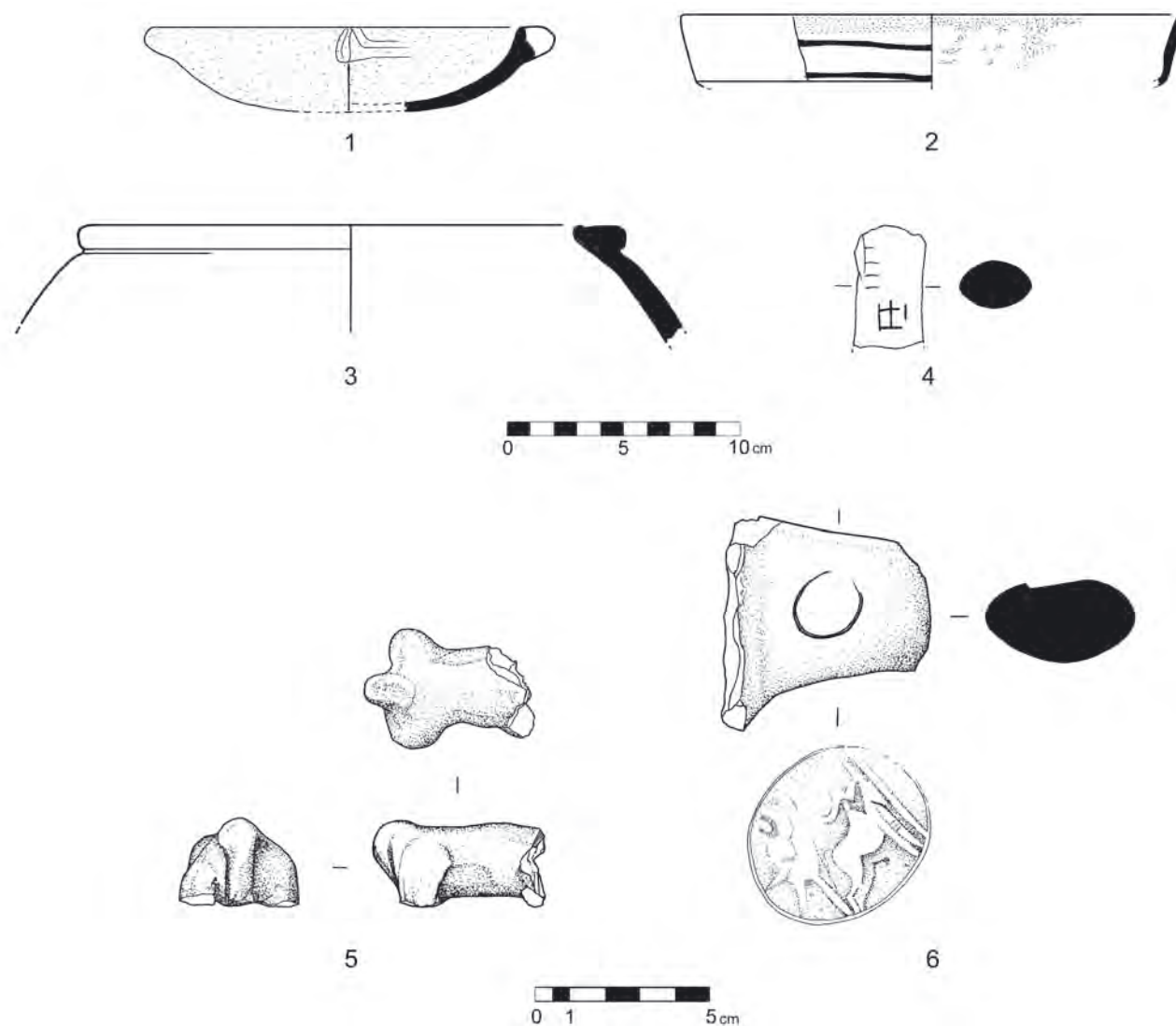


Fig. 87 Pottery from Phase XIV, Area 2 North-west



Fig. 88 Seal impression on handle of jar; see also Figs. 87:6, 466:4 and Appendix 4.

AREA 3

General information

This area lies to the north of Area 1, east of Area 2 North-west, and approximately 70 m northwest of the summit, in Grids NN–QQ / 27. The following trenches, with Iron Age remains, belong to Area 3: XIA–D, XII and XLIII.²⁸ Trenches XI and XII were excavated in 1992, and Trench XLIII in 1998. The area is situated on the sloping western part of the tell, not far from the

²⁸ Trench XLIII from 1998 is an extension of Trench XII from 1992. The primary purpose of opening Trench XLIII was to obtain additional radiocarbon samples of the locus with the sphinx-handle (N553, L84 from Trench XII) because the samples taken in 1992 could not be dated by the Oxford laboratory. Datable samples could be retrieved and many other complete finds were made in 1998.

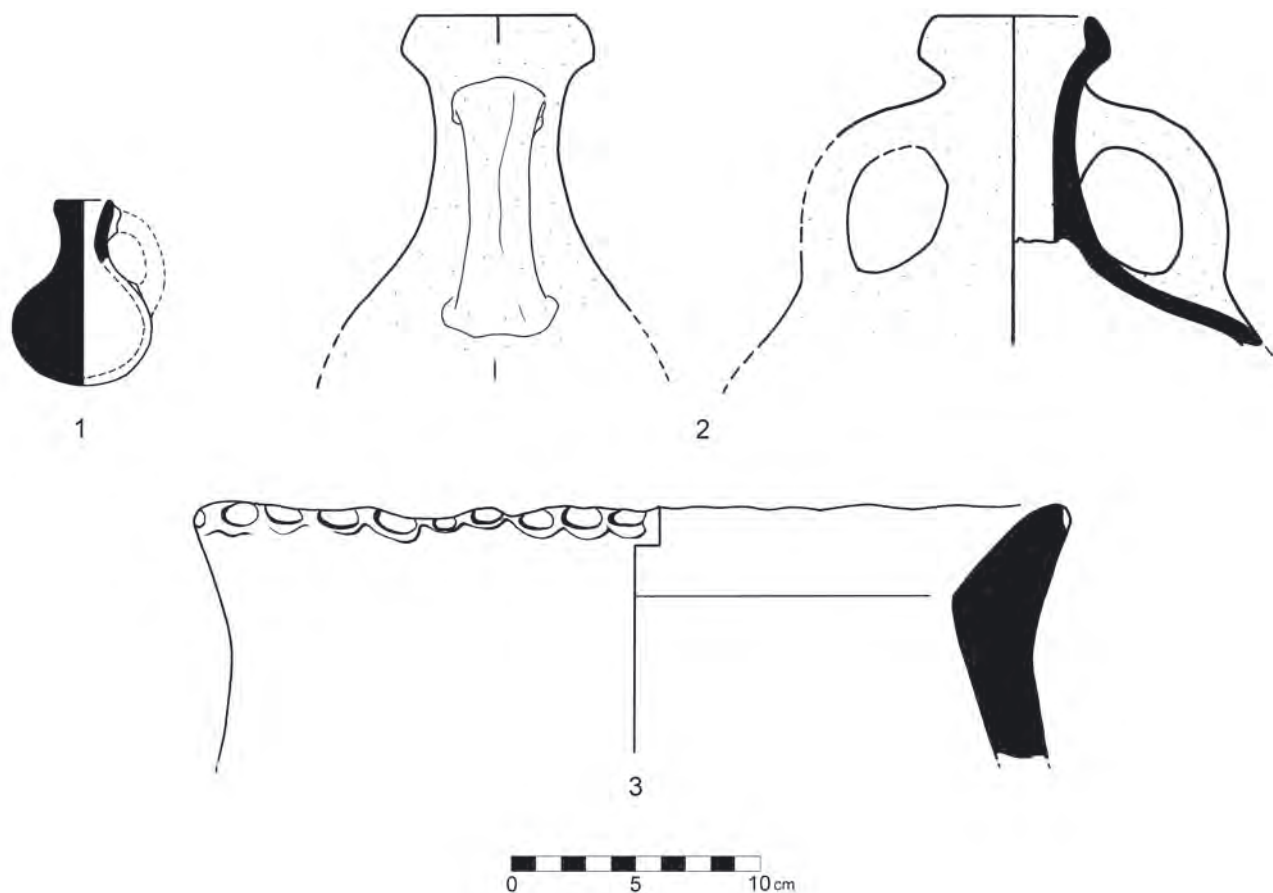


Fig. 89 Pottery from the cistern of Phase XIV, Area 2 North-west

centre of the upper plateau. Trial trenches were opened in order to investigate the occupational sequence at a spot which was considered convenient for an ancient street that would have connected the western lower part of the tell, i.e. Area 2, with the summit plateau (Area 10). The size of the area opened is only 154 square metres, which makes it the smallest excavated area on the upper part of the tell. Apart from some spectacular small finds²⁹ the area is too small to draw any far-reaching conclusions on the architectural sequence. Another fact to consider is that a secure stratigraphic connection between the two plots, viz. Trench XIA–D and Trenches XII/XLIII, does not exist: looters' and military pits lay between the two plots, and – in addition – the area slopes downwards to the west, making any stratigraphic connections highly speculative. Pottery –

including many complete items – was found in considerable quantities in the two plots, thus allowing a synchronisation based on the typology of the pottery. Nevertheless, here the two plots will be treated separately. In general, the excavations in Area 3 should be considered as trial soundings which can be extended to the east in the future, viz. towards the summit of the site, where an area of more than 3000 square metres is still unexcavated.

This area seems to have been intensively occupied during the Iron Age, judging from deep-lying Early Bronze Age remains which, together with scanty remains from the Middle and Late Bronze Ages, were much disturbed by Iron Age building activities. A tomb from the early Iron Age even reaches down to bedrock (here at a depth of a little more than 4 m from the surface).

²⁹ See, *inter alia*, the exquisitely carved bone handle depicting sphinxes (N553) and the ceramic "mask" of a smiling, bearded youngster (N504).

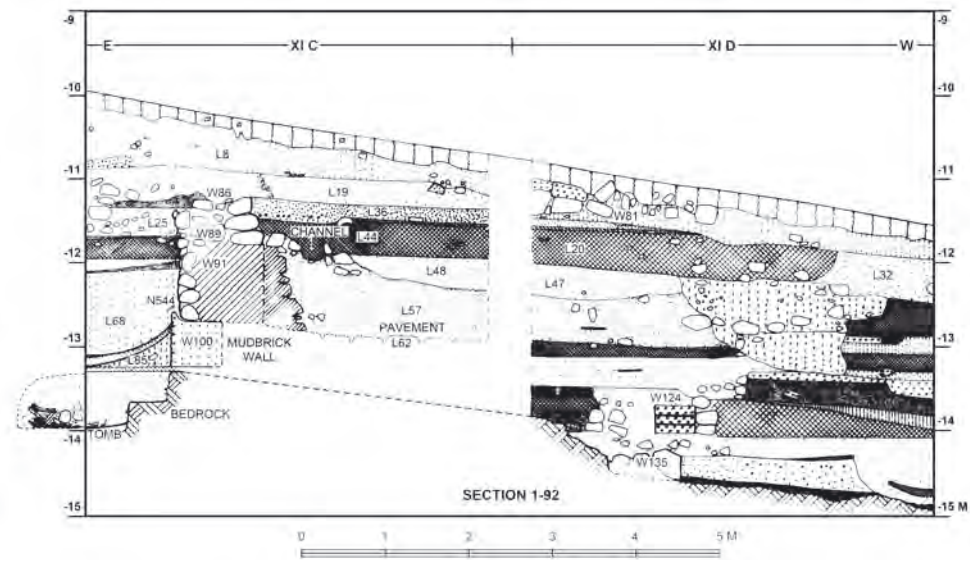


Fig. 90 Section 1-92. Area 3, south section Trenches XIC and D

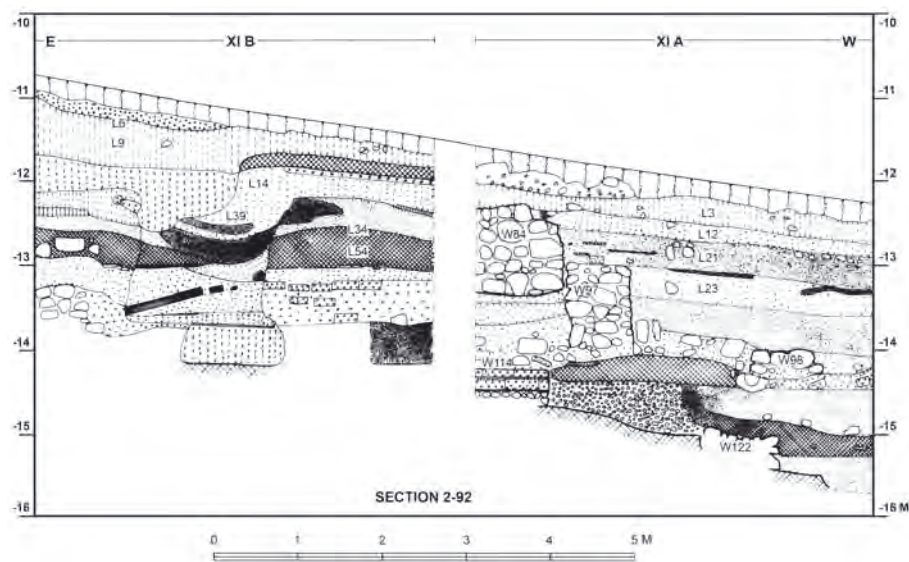


Fig. 91 Section 2-92. Area 3, south section Trenches XIB and A

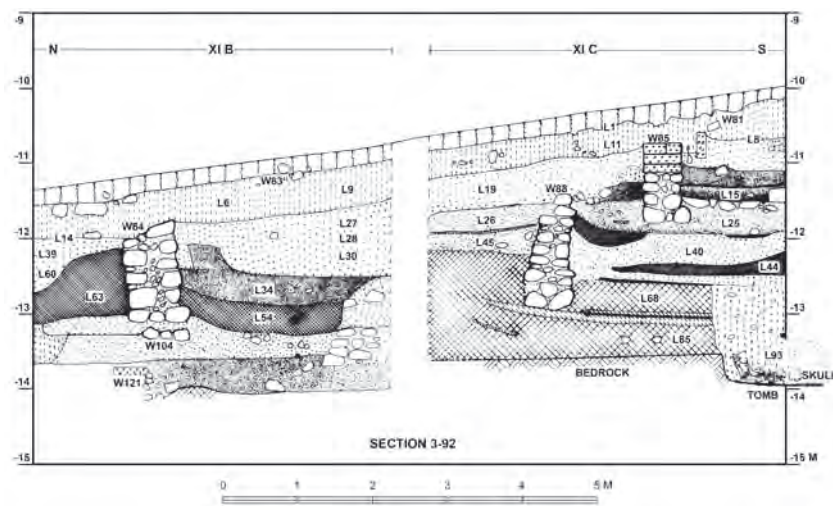


Fig. 92 Section 3-92. Area 3, east section Trenches XIB and C

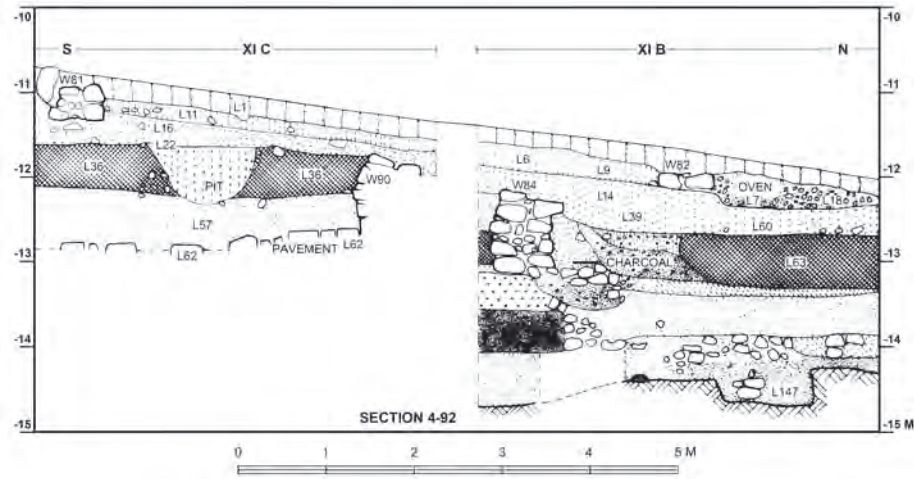


Fig. 93 Section 4-92. Area 3, west section Trenches XI C and B

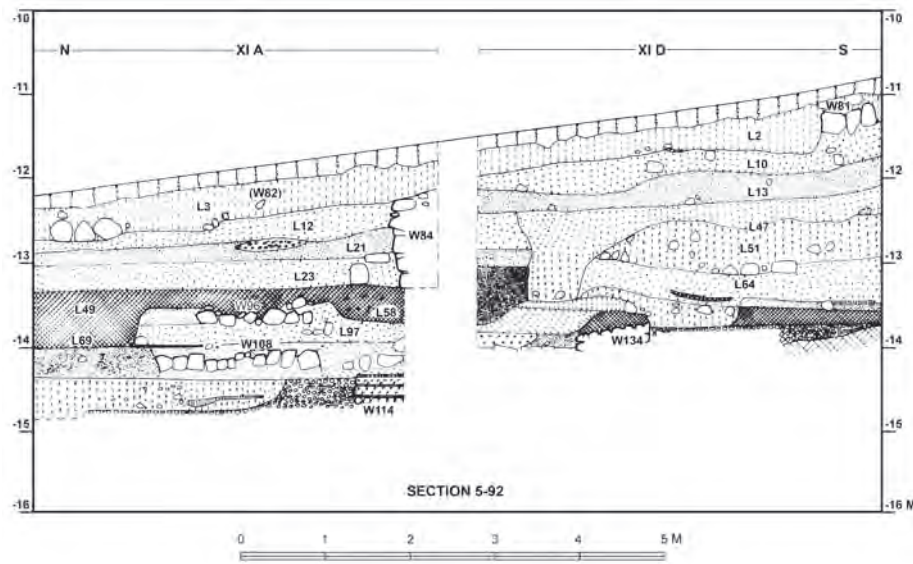


Fig. 94 Section 5-92. Area 3, east section Trenches XI A and D

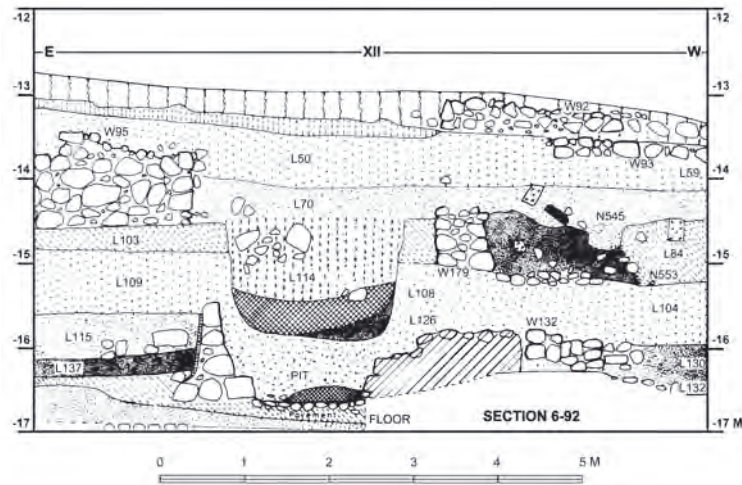


Fig. 95 Section 6-92. Area 3, south section Trench XII

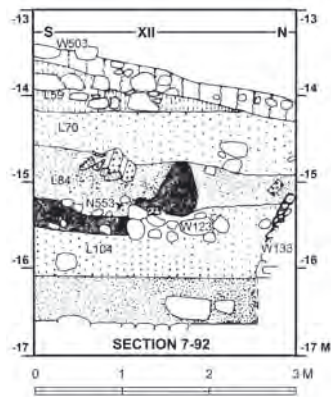


Fig. 96 Section 7-92. Area 3, west section Trench XII

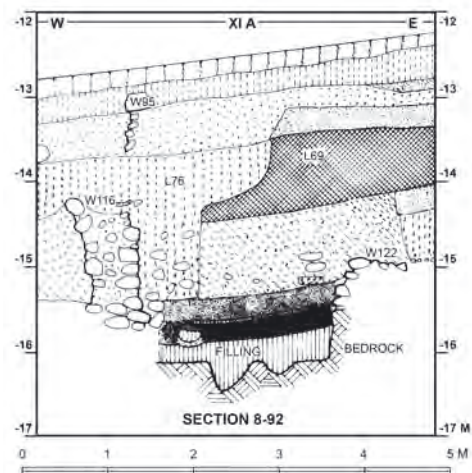


Fig. 97 Section 8-92. Area 3, north section Trench XIA

PHASE X, TRENCH XI, AREA 3 (Figs. 98–101)

Architecture and features

There are only scanty remains, which are tentatively ascribed to Phase X, the oldest Iron Age occupation in this area. W100 in Trench XIC is a mudbrick wall which is built in a foundation trench directly on bedrock. Associated loci are L68 and L85: an arrowhead of bronze (N544) and a multitude of Iron Age pottery shapes, a few of which may be intrusive,³⁰ should be mentioned.

Interpretation of the material evidence

The mudbrick wall W100 is untypical of Iron Age walls which almost always have stone foundations upon which mudbrick structures were built. It may

therefore predate the Iron Age but have been reused as an architectural element in a later structure.

There are early Iron Age shapes amongst the pottery but there are also shapes which should be better placed in the second half of the Iron Age. Concerning the arrowhead of bronze (N445): arrowheads of bronze are not found in Iron Age contexts at the site and if they can be associated with an Iron Age layer they are usually considered residual finds/heirlooms or assumed to have been reused.

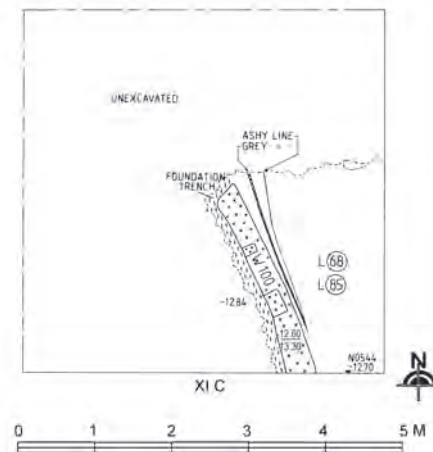


Fig. 98 Plan of Phase X, Trench XI, Area 3

Legend for the illustrated pottery from Phase X, Trench XI, Area 3

Fig.	Locus No.	Description
99:1	68 -6	Bowl, hard-fired, light brown fabric, medium-coarse, white inclusions, light brown slip, red wash interior and exterior.
99:2	68 -21	Bowl, medium-hard-fired, light greyish-brown fabric, coarse, grey and white inclusions, light brown slip, red wash interior and exterior / red splashes.
99:3	68 -2	Bowl, slight carination below rim, hard-fired, yellowish-brown fabric, coarse, a few large grey inclusions, light yellowish-brown slip.
99:4	85 -1	Carinated bowl, medium-hard-fired, light yellowish-brown fabric, coarse, mainly grey inclusions, light yellowish-brown fabric.
99:5	68 -4	Carinated bowl, medium-hard-fired, light brown fabric, medium-fine, a few white and grey inclusions, light yellowish-brown slip, red wash interior and exterior, splashes of red wash interior.

³⁰ See e. g. some of the cooking pot shapes in Fig. 101.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
100	0.3-0.4	0.45		x		reused?

Table 25 Description of the wall of Phase X, Trench XI, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
68	fill	19	-1 k, -2 b, -3 k, -4 cb, -5 stand, -6 b, -7 cb, -8 pf, -9 cp, -10 cp, -11 ja, -12 k, -13 b, -14 cp, -15 ja, -16 ja, -17 ja, -18 k, -19 k, -20 k, -21 b, -22 k, -23 cp, -24 cp, -25 sj, 8 b, 1 k, 2 ja, 4 cp		N544	
85	surface		-1 cb, -2 c, -3 cb, -4 k			

Table 26 Description of the loci of Phase X, Trench XI, Area 3

99:6	68	-7	Carinated bowl, hard-fired, light brown fabric, medium-coarse, grey inclusions, yellowish-brown fabric, orangish-red wash interior and exterior.	100:5	68	-18	Krater, hard-fired, light brown fabric, coarse, grey and white inclusions, yellowish-brown slip, red wash exterior.
99:7	85	-3	Carinated bowl, medium-hard-fired, greyish-brown fabric, medium-coarse, mainly light grey inclusions, self slip, brownish-red wash interior and exterior.	100:6	68	-3	Krater, hard-fired, light brown fabric, coarse, a few grey inclusions, light yellowish-brown slip.
99:8	68	-5	Stand (?) with two handles, hard-fired, light yellowish-brown fabric, medium-fine, a few grey and white inclusions, yellowish-brown slip, red wash exterior; incisions below rim.	100:7	85	-4	Krater, medium-hard-fired, light yellowish-brown fabric, coarse, grey and black inclusions, pinkish-yellow slip.
99:9	85	-2	Chalice, hard-fired, greyish-brown fabric, coarse, white inclusions, brown wash interior and exterior.	100:8	68	-20	Krater, hard-fired, light greyish-brown fabric, coarse, white and grey inclusions, light pinkish-brown slip, red wash interior, brown wash exterior.

Legend for the illustrated pottery from Phase X, Trench XI, Area 3

Fig.	Locus No.	Description
100:1	68 -12	Krater, medium-hard-fired, light greyish-brown fabric, grey core, coarse, grey and white inclusions, light brown slip interior and exterior.
100:2	68 -19	Krater, hard-fired, light brown fabric, coarse, grey and white inclusions, yellowish-brown slip, traces of red wash exterior.
100:3	68 -22	Krater, hard-fired, greyish-brown fabric, coarse, a few white inclusions, light brown slip, red wash interior and exterior; ridge on neck.
100:4	68 -1	Krater, medium-hard-fired, light greyish-brown fabric, coarse, a few dark grey inclusions, light yellowish-brown slip; ridge below rim and incisions on belly.

Legend for the illustrated pottery and another find from Phase X, Trench XI, Area 3

Fig.	Locus No.	Description
101:1	68 -25	Storage jar, hard-fired, light brown fabric, medium-coarse, a few grey inclusions, light yellowish-brown slip; incisions and ridge on neck.
101:2	68 -17	Jar, hard-fired, light yellowish-brown fabric, medium-coarse, white and grey inclusions, light yellowish-brown slip.
101:3	68 -11	Jar, medium-hard-fired, light greyish-brown fabric, coarse, white inclusions, self slip.
101:4	68 -16	Jar, hard-fired, light yellowish-brown fabric, medium-coarse, white and grey inclusions, light yellowish-brown slip.
101:5	68 -15	Jar, medium-hard-fired, light yellowish-brown fabric, medium-fine, self slip, traces of brown wash exterior.
101:6	68 -10	Cooking pot, medium-hard-fired, light greyish-brown fabric, coarse, white inclusions, self slip; ridge on neck.

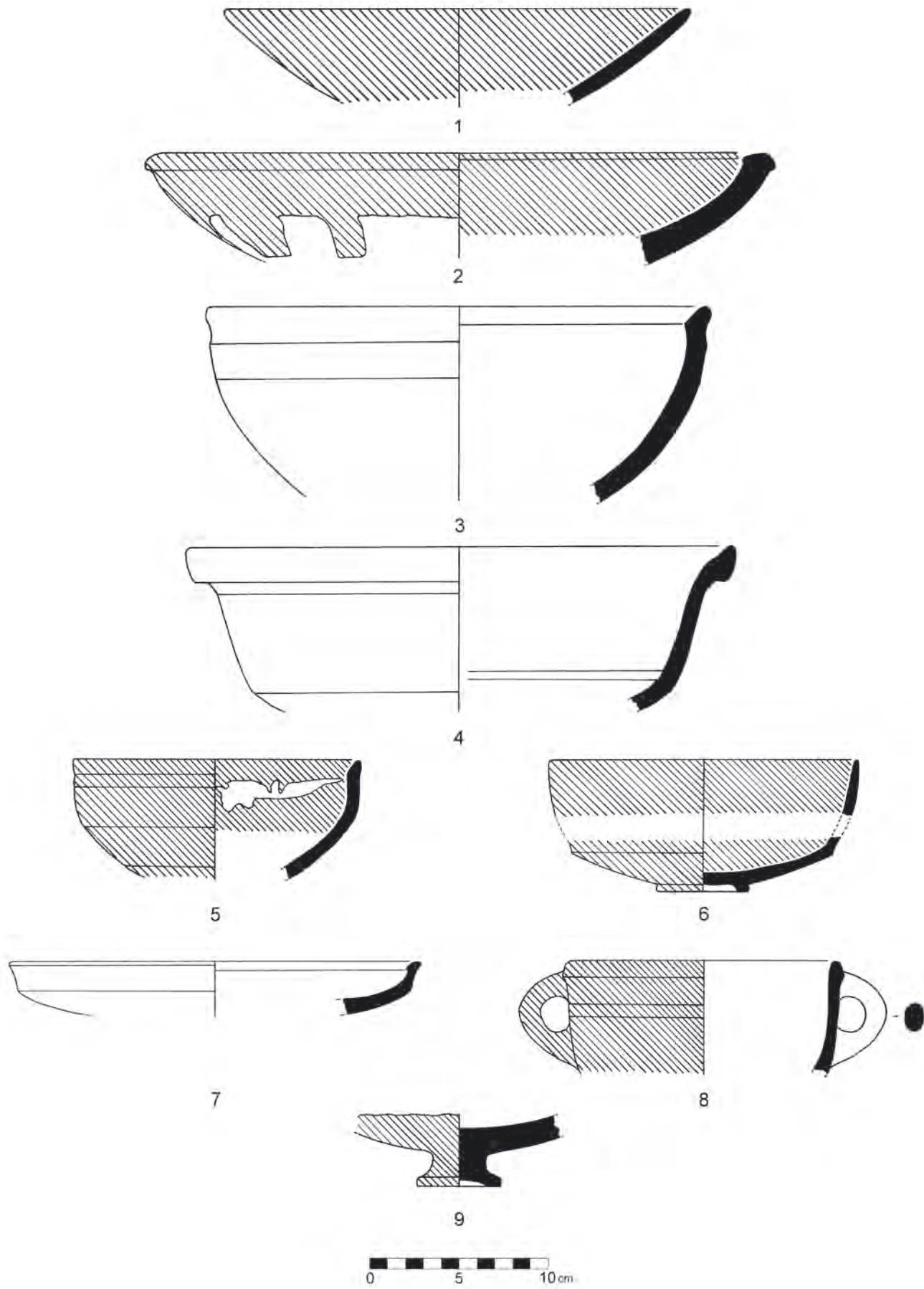


Fig. 99 Pottery from Phase X, Trench XI, Area 3

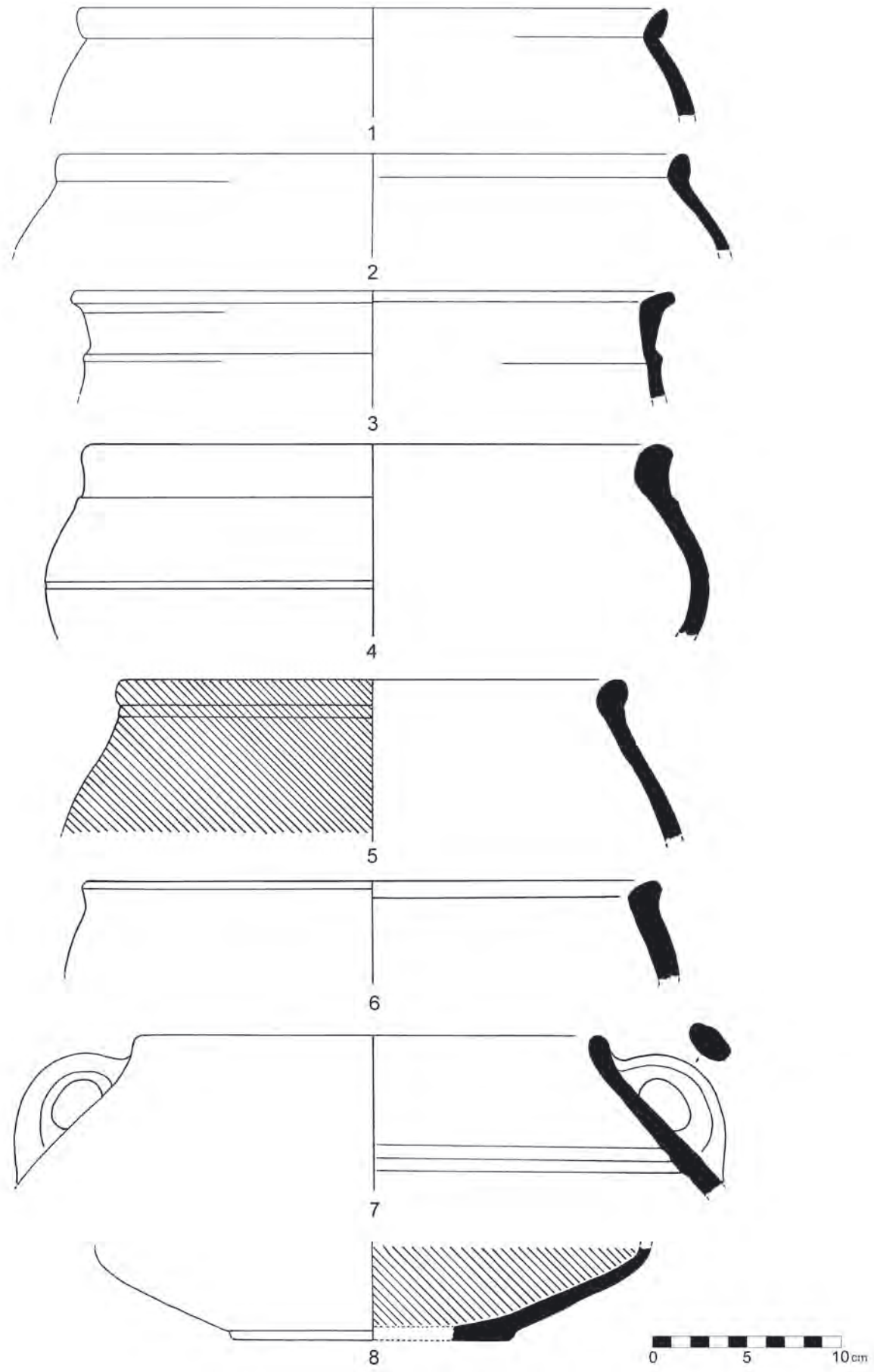


Fig. 100 Pottery from Phase X, Trench XI, Area 3

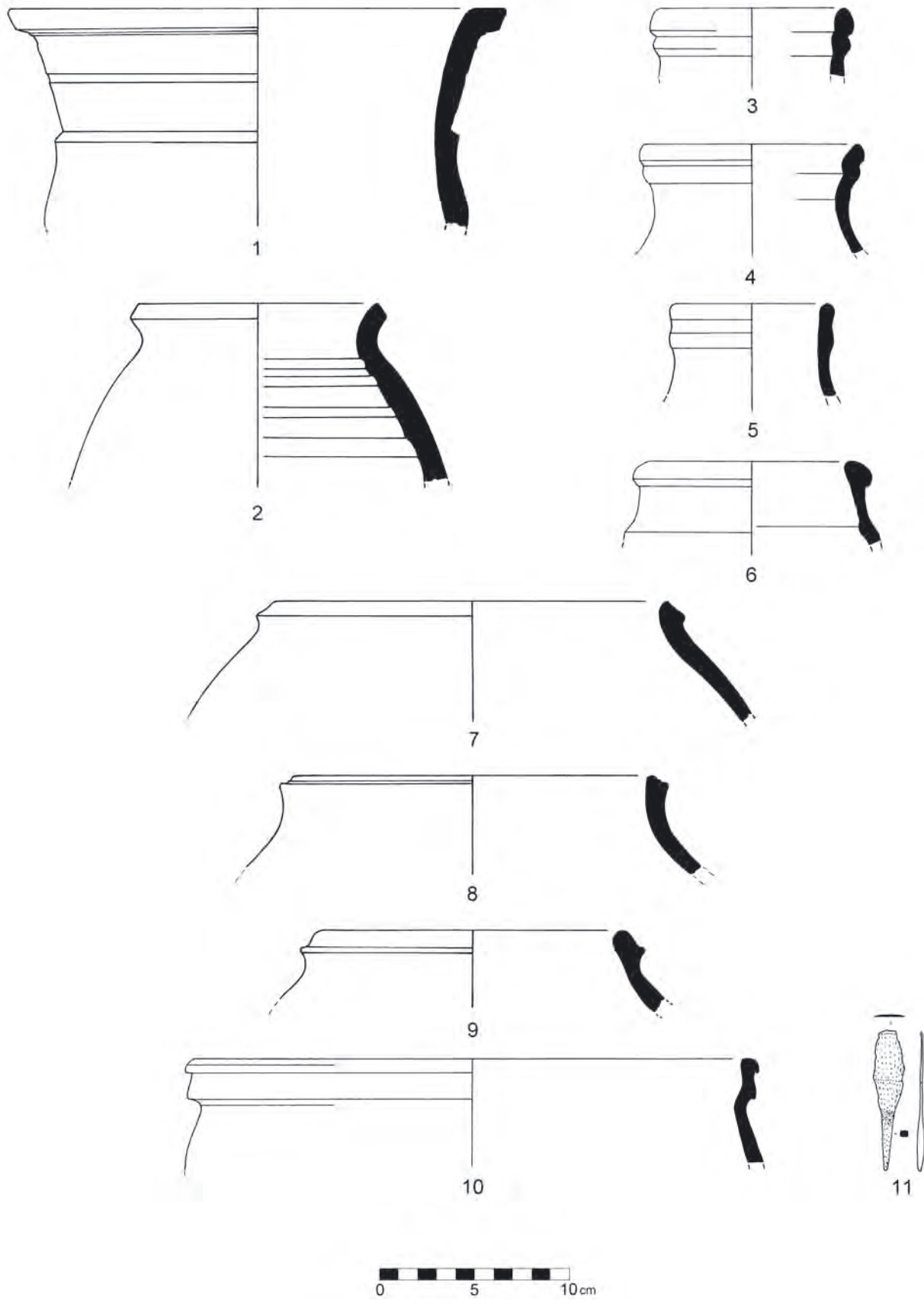


Fig. 101 Pottery and another find from Phase X, Trench XI, Area 3

101:7	68	-24	Cooking pot, hard-fired, reddish-brown fabric, thick grey core, coarse, grey and white inclusions, self slip.
101:8	68	-23	Cooking pot, hard-fired, reddish-brown fabric, thick grey core, coarse, white inclusions, brown slip.
101:9	68	-9	Cooking pot, hard-fired, light brown fabric, coarse, white and grey inclusions, yellowish-brown slip.
101:10	68	-14	Cooking pot, hard-fired, reddish-brown fabric, grey core, coarse, white inclusions, self slip.
101:11	68	N544	Arrowhead, bronze, L 7.3, W 1.6 cm.

PHASES XIA AND B, TRENCH XI, AREA 3 (Figs. 102–110)

Architecture and features

There are indications of two sub-phases, however, they are difficult to separate stratigraphically. It is also not unlikely that a number of loci and finds which are from the lower portions of this phase, viz. with higher loci numbers and here ascribed to Phase XIA, in fact belong to the older Phase XIB.

There is the corner of a destroyed structure which is situated mainly in Trenches XIB and C (W84, 87, 88, 89, 90, 91). A stone-paved space belonging to the older sub-phase is to the south-west in Trench XIC (L62, 57). A millstone of basalt and six loom weights of unfired clay (N535A, B) lie on top of the stone paving. There are also two tombs which are ascribed to the older sub-phase: L54 (in Trench XIB), the burial of an animal in a pit (Fig. 102), and L93 (in Trench XIC), a tomb with human burials (Fig. 103). The animal's grave is fairly shallow whereas the 1.25 m deep tomb cuts through an earlier layer and was dug into roughly 0.4 m of bedrock. This tomb is situated in the south-eastern corner of Trench XIC extending into the eastern and southern section and could therefore only be partly excavated during the season of 1992.³¹ It contained burnt bones of several individuals (minimum four individuals).³² The only possible gift which can be ascribed to the tomb is a large jug in the upper part of the fill. Additional tomb gifts might have been placed farther east and south in the tomb. The tomb, which was discovered at the very end of the 1992 season of excavation, was only partly excavated into the sections, and the whole trench was backfilled in order

to protect and preserve the area for future investigations.

Interpretation of the material evidence

The small exposed area makes any interpretation tentative. It is, however, clear that the wall in Trench XIB and those in Trench XIC were not built simultane-

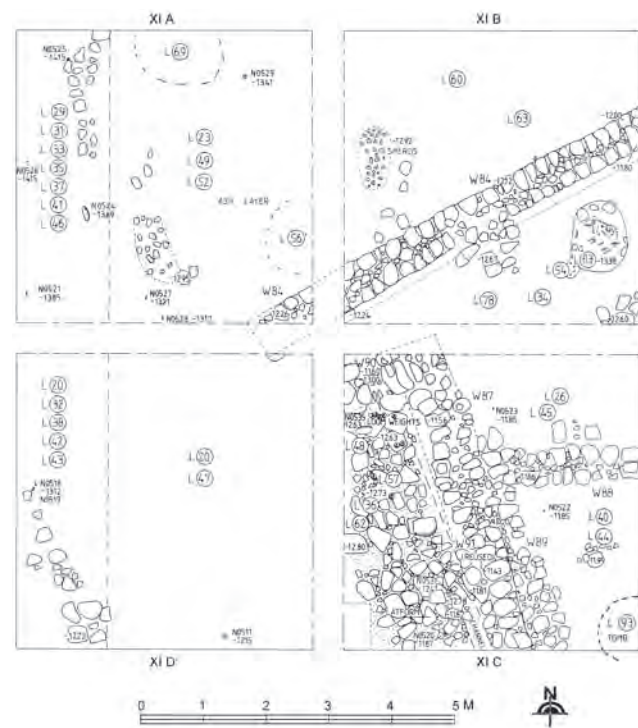


Fig. 102 Plan of Phases XIA and B, Trench XI, Area 3

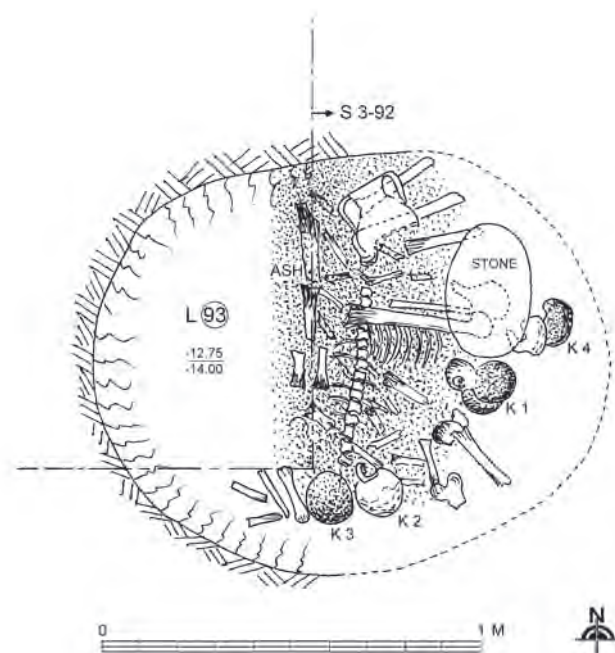


Fig. 103 Plan of Tomb, Phase XI, Trench XI, Area 3

³¹ Some 0.75 m was dug into the sections.

³² The OxA-4337 radiocarbon date of one of the burnt human bones is as follows: 1σ (91 %) 1166–998 BCE and 2σ (99 %) 1267–911 BCE. See also the chapter on radiocarbon.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
84	0.6	0.8	4			
87	0.6	0.5	3			
88	0.5	0.5	3			
89	0.5	0.5	3			
90	0.6	1.1	4			reused in two phases
91	0.7	1.1	5			reused in two phases

Table 27 Description of the walls of Phase XI, Trench XI, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
20	fill	10	-1 ja, 5 b, 2 k, 3 jl, 5 h, 4 cp, 157 ud		N511	
23	fill	52	-1 ja, -2 cp, 2 b, 2 k, 1 j, 206 ud			
26	surface	2	1 b, 9 k, 1 jl, 1 j, 1 ja, 9 sj, 131 ud		N523	
29	fill					
31	fill	11	2 b, 1 jl, 1 j, 2 ja, 1 cp, 39 ud			
32	fill	1	-1 sj, -2 cp, -3 cp, 2 k, 1 cp, 66 ud		N518	
33	fill	5	1 j			
34	fill	15	-2 b, 5 b, 1 c, 1 k, 2 sj, 1 hm, 162 ud			
35	fill	1	1 k, 2 h, 1 cp, 1 dec			
36	fill	5	-1 k, -2 k, -3 k, -4 cb, -5 k, -6 b, -7 ja, -8 ja, -9 j, -10 k, -11 k, 5 b, 1 cb, 2 k, 1 sj, 187 ud		N520, N531	
37	fill	23	1 k, 1 jl, 1 j, 1 ja, 1 cp, 77 ud			
38	fill	10	1 b, 1 j, 1 jl, 5 h, 1 cp			
40	fill	8	-1 k, -2 sj, -3 jl, -4 k, 1 b, 2 k, 3 sj, 1 hm, 1 cp		N522	
41	surface	23	-1 k, -2 ja, 1 b, 1 dec, 2 cp, 42 ud		N521, N524	
42	fill	29	2 b, 1 ja, 1 cp, 2 h, 14 ud			
43	fill	47	1 b			
44	fill	-10, 8	-1 k, -2 k, -3 k, -4 b, -5 k, -6 k, -7 k, -8 j, -9 j-dt, 1 cb, 1 b, 1 k, 1 j, 5 ja dec, 52 ud			
45	fill	6	5 b, 2 red-burnished bs			
46	fill	24	2 cp, 61 ud		N525, N526	
47	fill	5	3 b, 1 k, 1 jl, 3 ja, 2 cp, 147 ud			
48	fill above pavement	2				
49	ash layer	126	N529 1, -1 j, -2 k, -3 j, -4 j, -5 cp, -6 cp, -7 cp, -8 cp, -9 j-dt, -10 k, -11 ja, 6 b, 1 c, 4 j, 1 bjl, 1 ja, 1 sj, 1 cp, 401 ud		N527, N528	
52	fill		-1 cb, -2 cb			
54	animal burial		-1 cp			
56'	area with ash	-1	-2 cp, -3 cp, -4 cp			just above tabun from Phase VII

Table 28 Description of the loci of Phase XI, Trench XI, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
57	stone pavement	6	-1 ja, 5 b, 1 cp, 1 ud			
60	fill	5	2 b, 1 sj, 1 h, 1 cp			
62	stone pavement				N535A and B	
63	surface	23	-3 cp, 1 b, 4 ja, 1 hm, 1 h, 2 dec, 3 cp			
69	ash spot		-2 cp			
78			-1 cp, -2 cp			
83	animal burial					
93	human burials		-1 j			burnt bones
W87	inside wall		1 ja			
W88	inside wall	13				
W89	inside wall	2	1 ja			

Table 28 continued Description of the loci of Phase XI, Trench XI, Area 3

ously but were used together on one occasion. The animal which was buried in a shallow pit has been classified as a dog. The burnt and quite disintegrated human bones from Tomb L93 do not allow any conclusions on age and sex of the buried individuals. The radiocarbon dates place the tomb in Iron Age I or possibly at beginning of IIA.

There are again early Iron Age shapes amongst the pottery, especially the cooking pots, but some shapes can also be placed somewhat later in the Iron Age sequence.

Legend for the illustrated pottery from Phase XI, Trench XI, Area 3

Fig.	Locus No.	Description
104:1	44 -4	Bowl, medium-hard-fired, light greyish-brown fabric, medium-coarse, grey inclusions, brown slip.
104:2	52 -2	Carinated bowl, hard-fired, light grey fabric, coarse, black inclusions, light brown slip, burnished exterior; ridge below rim.
104:3	52 -1	Carinated bowl, hard-fired, light grey fabric, coarse, black inclusions, light brown slip, burnished exterior.
104:4	36 -4	Carinated bowl, hard-fired, light brown fabric, coarse, white and grey inclusions, self slip, brownish-red wash interior and exterior.
104:5	36 -6	Base of bowl, hard-fired, light grey fabric, coarse, grey and white inclusions, pinkish-grey slip and wash.
104:6	36 -5	Krater, medium-hard-fired, light greyish-brown fabric, medium-coarse, multi-coloured inclusions, light greyish-brown slip.

104:7	44 -3	Krater, medium-hard-fired, light greyish-brown fabric, coarse, a few multi-coloured inclusions, yellowish-brown slip.
104:8	36 -1	Krater, hard-fired, pinkish-brown fabric, coarse, white inclusions, light brown slip.
104:9	36 -2	Krater, hard-fired, light greyish-brown fabric, coarse, white and grey inclusions, pinkish-yellow slip; "ridge" on belly.

Legend for the illustrated pottery from Phase XI, Trench XI, Area 3

Fig.	Locus No.	Description
105:1	44 -2	Krater, hard-fired, light greyish-brown fabric, coarse, grey inclusions, light brown slip, red wash.
105:2	49 -10	Krater, hard-fired, light pinkish-brown fabric, light grey core, coarse, black and white inclusions, self slip.
105:3	41 -1	Krater, medium-hard-fired, light greyish-brown fabric, coarse, mainly grey inclusions, light yellowish-brown slip.
105:4	40 -4	Krater, hard-fired, light greyish-brown fabric, coarse, dark grey inclusions, light brown slip, brown wash on rim.
105:5	40 -1	Krater, hard-fired, light brown fabric, thick dark grey core, coarse, multi-coloured inclusions, light yellowish-brown slip.
105:6	44 -6	Krater, medium-hard-fired, light yellow fabric, light brown core, coarse, grey inclusions, yellowish-brown slip; multiple minor ridges on neck.

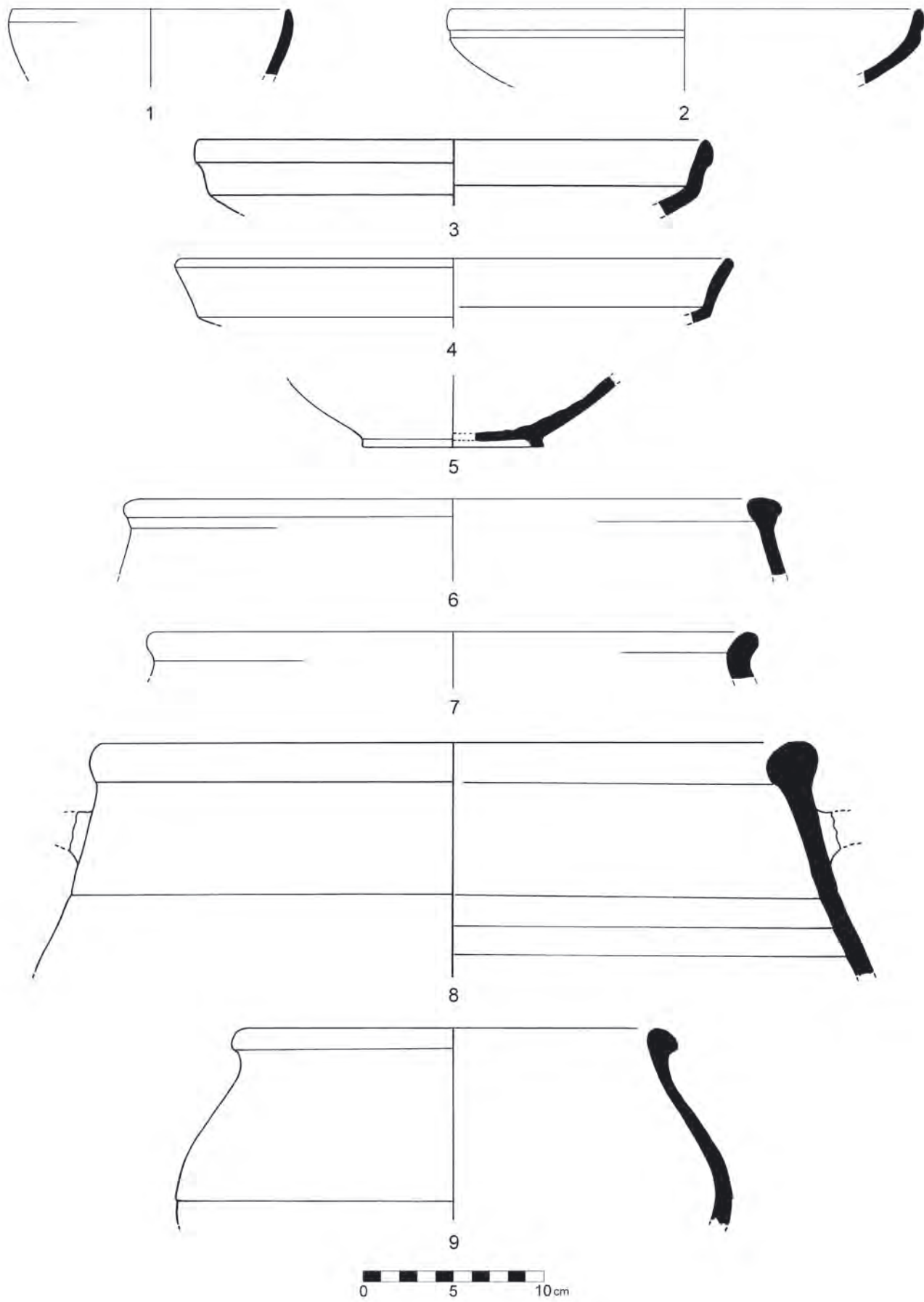


Fig. 104 Pottery from Phase XI, Trench XI, Area 3

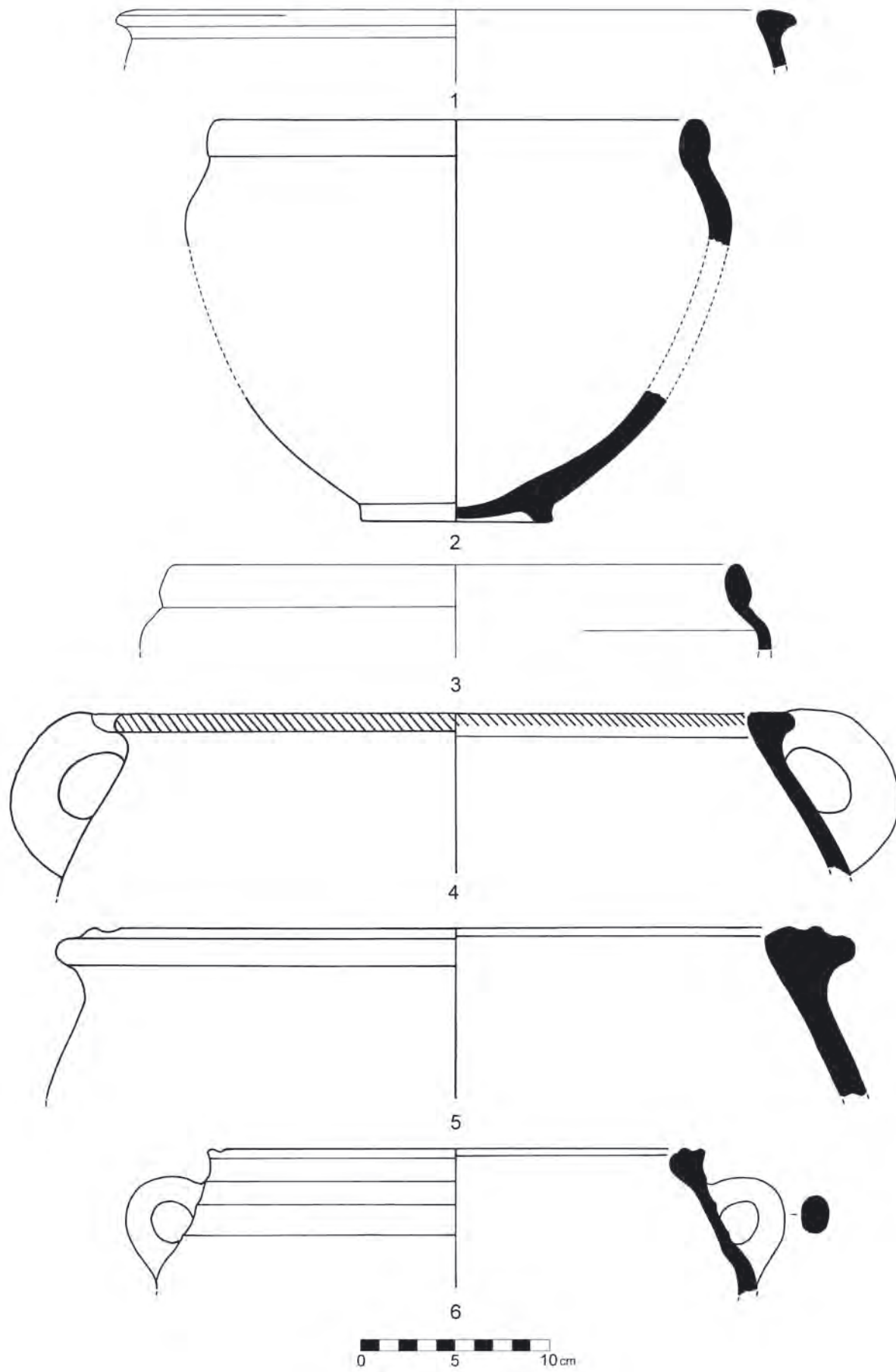


Fig. 105 Pottery from Phase XI, Trench XI, Area 3

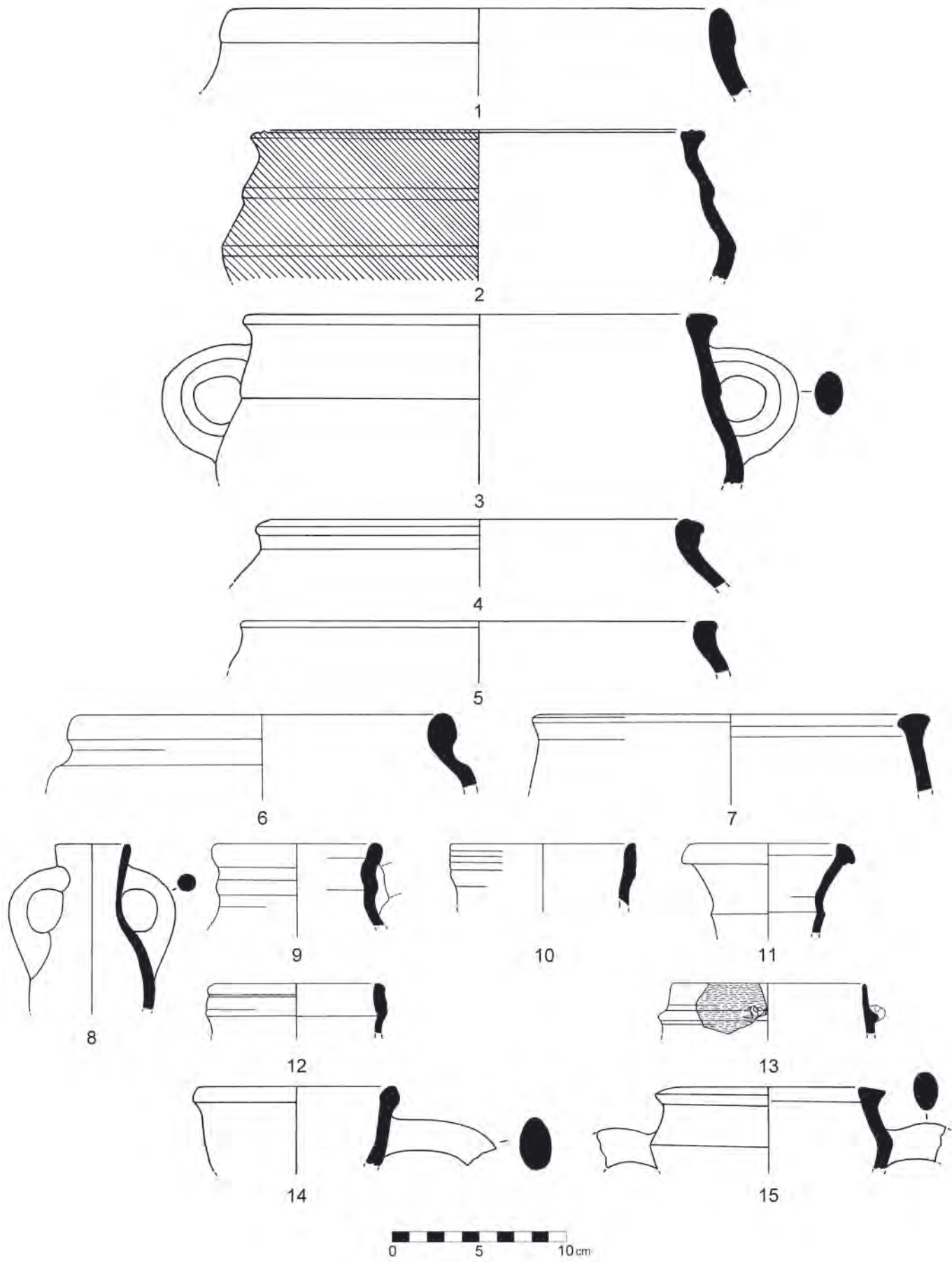


Fig. 106 Pottery from Phase XI, Trench XI, Area 3

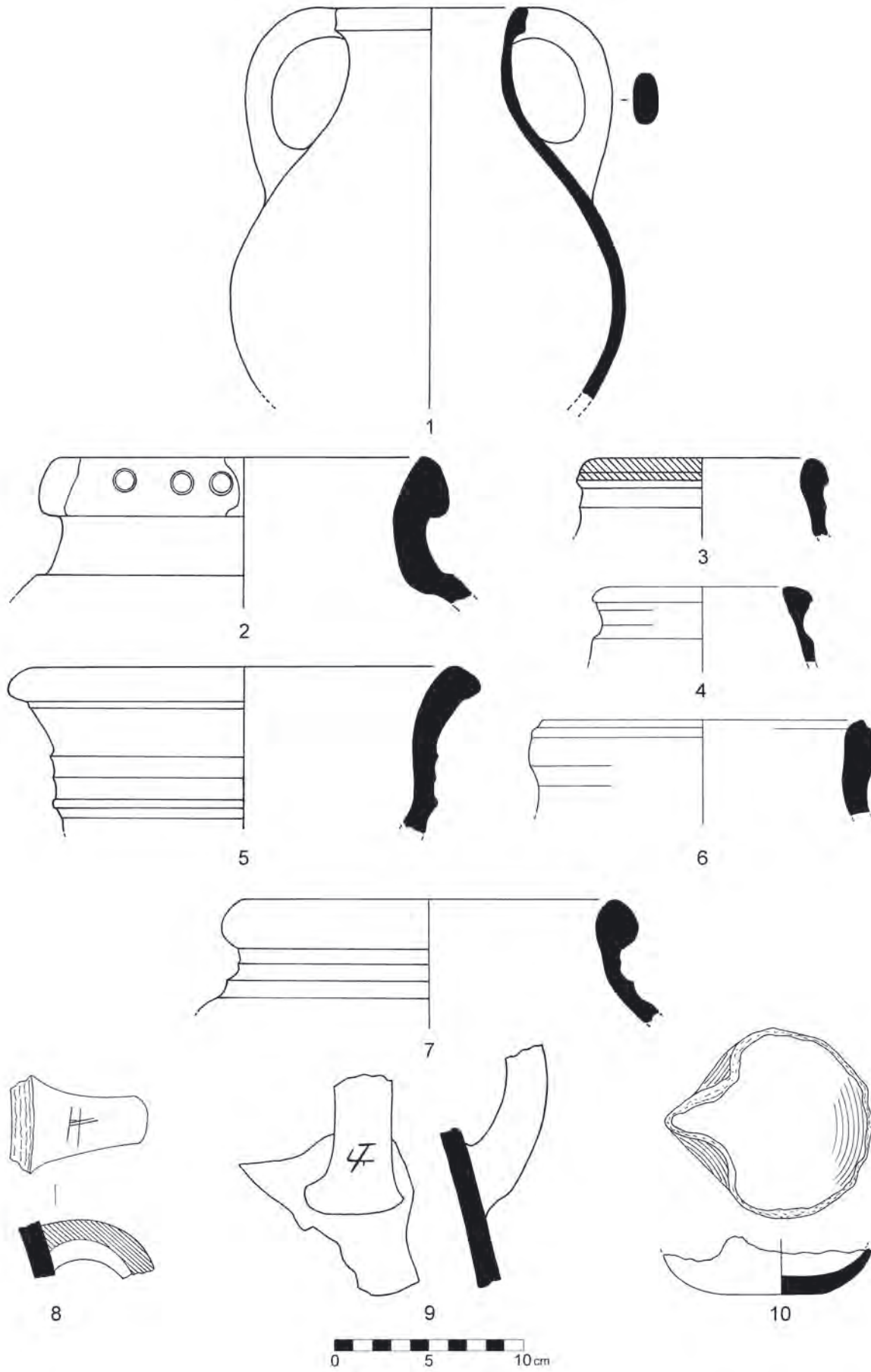


Fig. 107 Pottery from Phase XI, Trench XI, Area 3

Legend for the illustrated pottery from Phase XI, Trench XI, Area 3

Fig.	Locus	No.	Description
106:1	49	-2	Krater, hard-fired, grey fabric, coarse, black inclusions, light brown slip.
106:2	36	-10	Krater, medium-hard-fired, light brown fabric, coarse, mainly grey inclusions, light pinkish-brown slip, red wash; ridges on neck and belly.
106:3	36	-11	Krater, medium-hard-fired, light brown fabric, coarse, mainly grey inclusions, light pinkish-brown slip, traces of brown wash.
106:4	36	-3	Krater, hard-fired, light greyish-brown fabric, coarse, white and grey inclusions, light pinkish-brown slip.
106:5	44	-5	Krater, medium-hard-fired, light greyish-brown fabric, coarse, a few multicoloured inclusions, yellowish-brown slip.
106:6	44	-1	Krater, medium-hard-fired, light brown fabric, coarse, white and grey inclusions, light yellowish-brown slip.
106:7	44	-7	Krater, medium-hard-fired, light greyish-brown fabric, coarse, a few multicoloured inclusions, yellowish-brown slip.
106:8	40	-3	Juglet, medium-hard-fired, light reddish-brown fabric, coarse, mainly white inclusions, orangish-brown slip.
106:9	44	-9	Jug-decanter, hard-fired, light brown fabric, coarse, light grey inclusions, light pinkish-brown slip, traces of red wash; neck ridge.
106:10	49	-4	Jug, hard-fired, light grey fabric, coarse, mainly white inclusions, self slip.
106:11	36	-9	Jug, medium-hard-fired, light pinkish-brown fabric, medium-coarse, grey inclusions, yellowish-white slip; neck ridge.
106:12	49	-3	Jug, medium-hard-fired, light pinkish-yellow fabric, coarse, black inclusions, self slip.
106:13	49	-1	Jug, hard-fired, light grey fabric, coarse, mainly white inclusions, light brown slip.
106:14	44	-8	Jug, hard-fired, light brown fabric, light grey core, medium-coarse, light grey inclusions, light brown slip, traces of yellowish- to reddish-brown wash.
106:15	49	-9	Jug-decanter, medium-hard-fired, light red fabric, dark grey core, white inclusions, light pinkish-brown slip, traces of lilac lines on rim; neck ridge.

Legend for the illustrated pottery from Phase XI, Trench XI, Area 3

Fig.	Locus	No.	Description
107:1	93	-1	Jug, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, very light brown slip.

107:2	23	-1	Jar, hard-fired, light greyish-brown fabric, coarse, white inclusions, light brown slip, impressed circles on exterior of rim.
107:3	36	-7	Jar, very hard-fired, pink fabric, coarse, white inclusions, light pinkish-brown slip; neck ridge.
107:4	36	-8	Jar, hard-fired, light greyish-brown fabric, grey core, coarse, white inclusions, white slip; neck ridge.
107:5	40	-2	Storage jar, hard-fired, light greyish-brown fabric, coarse, mainly dark grey inclusions, light brown slip; neck ridges.
107:6	49	-11	Jar, hard-fired, light grey fabric, coarse, white inclusions, light brown slip.
107:7	32	-1	Storage jar, hard-fired, light greyish-brown fabric, coarse, white inclusions, light brown slip; neck ridges.
107:8	57	-1	Jar, handle, hard-fired, light greyish-brown fabric, coarse, grey inclusions, light brown slip, red wash; pot mark.
107:9	20	-1	Jar, handle, hard-fired, pinkish-grey fabric, medium-coarse, white inclusions, light brown slip; pot mark.
107:10	49	N529	Lamp, medium-hard-fired, light grey fabric, medium-coarse, white inclusions, light orangish-brown slip.

Legend for the illustrated pottery from Phase XI, Trench XI, Area 3

Fig.	Locus	No.	Description
108:1	49	-8	Cooking pot, hard-fired, pink fabric, light grey core, medium-coarse, white inclusions, self slip.
108:2	49	-5	Cooking pot, hard-fired, brown fabric, dark grey core, medium-coarse, white inclusions, self slip.
108:3	69	-2	Cooking pot, hard-fired, light grey fabric, coarse, white inclusions, light brown slip.
108:4	49	-6	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, medium-coarse, white inclusions, self slip; incisions just above belly.
108:5	78	-1	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip.
108:6	32	-2	Cooking pot, hard-fired, reddish-grey fabric, grey core, coarse, white inclusions, self slip.
108:7	49	-7	Cooking pot, hard-fired, brown fabric, grey core, medium-coarse, white inclusions, self slip.
108:8	23	-2	Cooking pot, hard-fired, grey fabric, medium-coarse, quartzite inclusions, reddish-brown slip.
108:9	32	-3	Cooking pot, hard-fired, reddish-grey fabric, grey core, coarse, white inclusions, self slip.

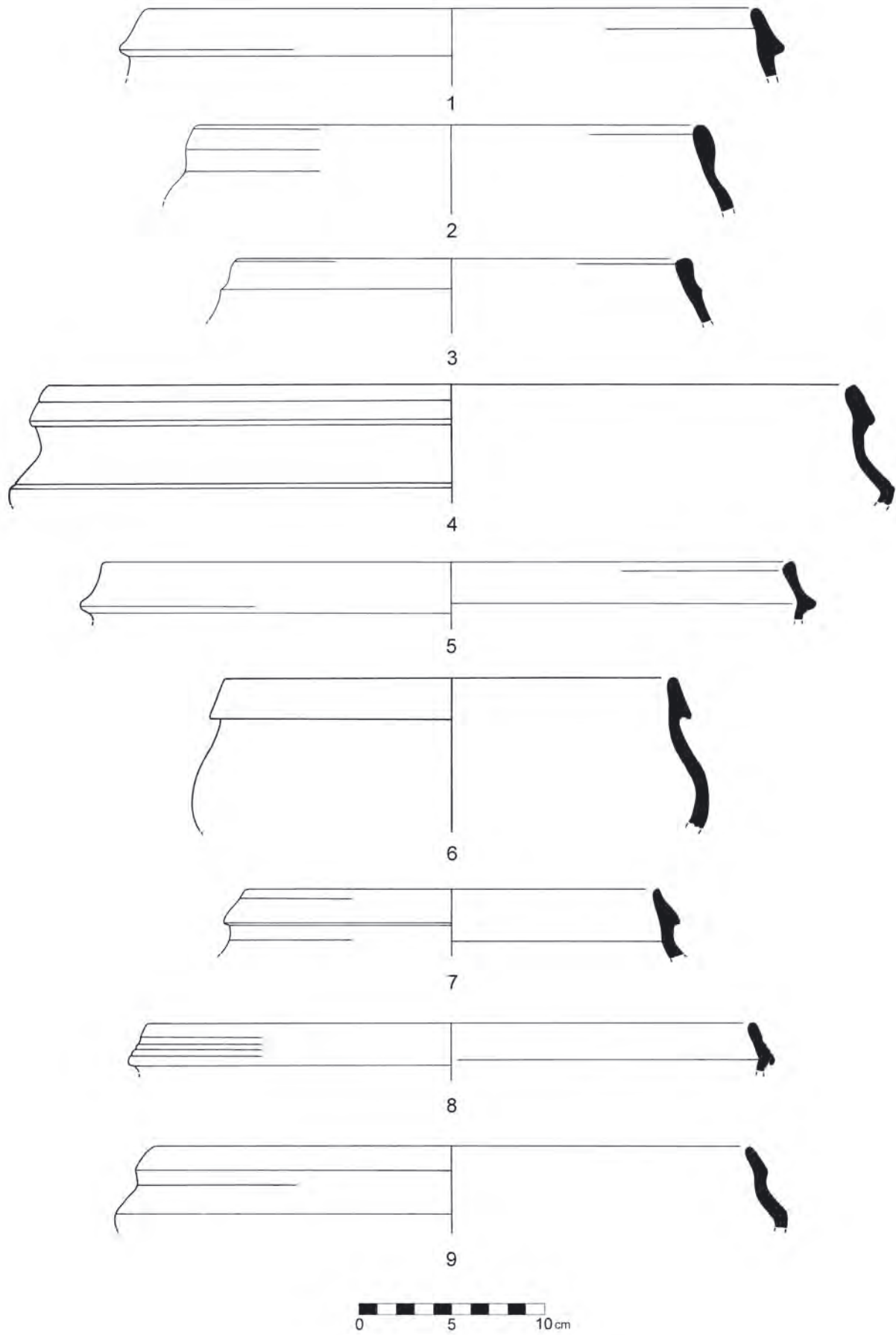


Fig. 108 Pottery from Phase XI, Trench XI, Area 3

Legend for the illustrated pottery from Phase XI,
Trench XI, Area 3

Fig.	Locus No.	Description
109:1	56' -3	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip.
109:2	56' -4	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip.
109:3	78 -2	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip.
109:4	63 -3	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip.
109:5	54 -1	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip, pierced rim.
109:6	56' -2	Cooking pot, hard-fired, reddish-brown fabric, coarse, white inclusions, self slip.

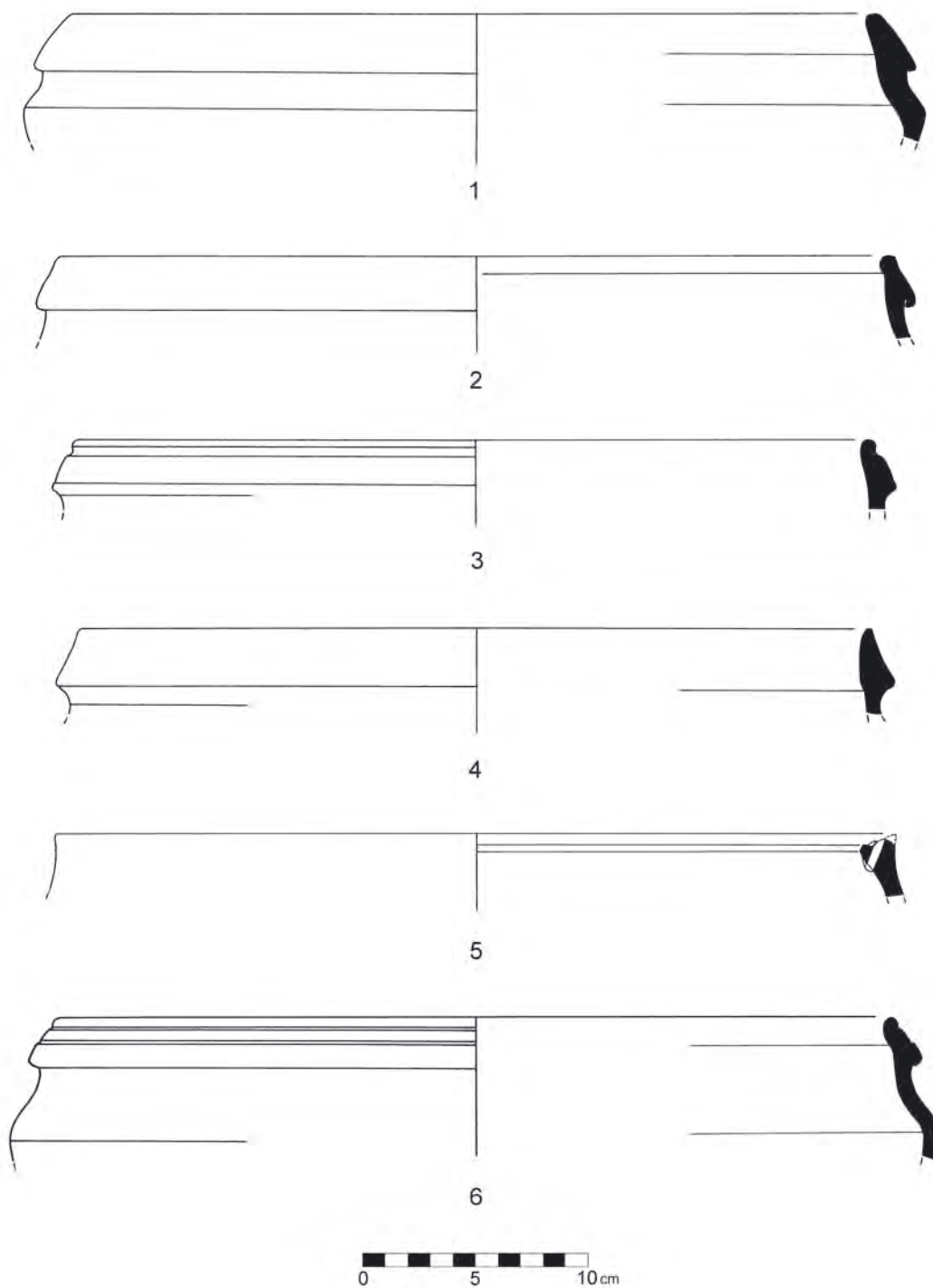


Fig. 109 Pottery from Phase XI, Trench XI, Area 3

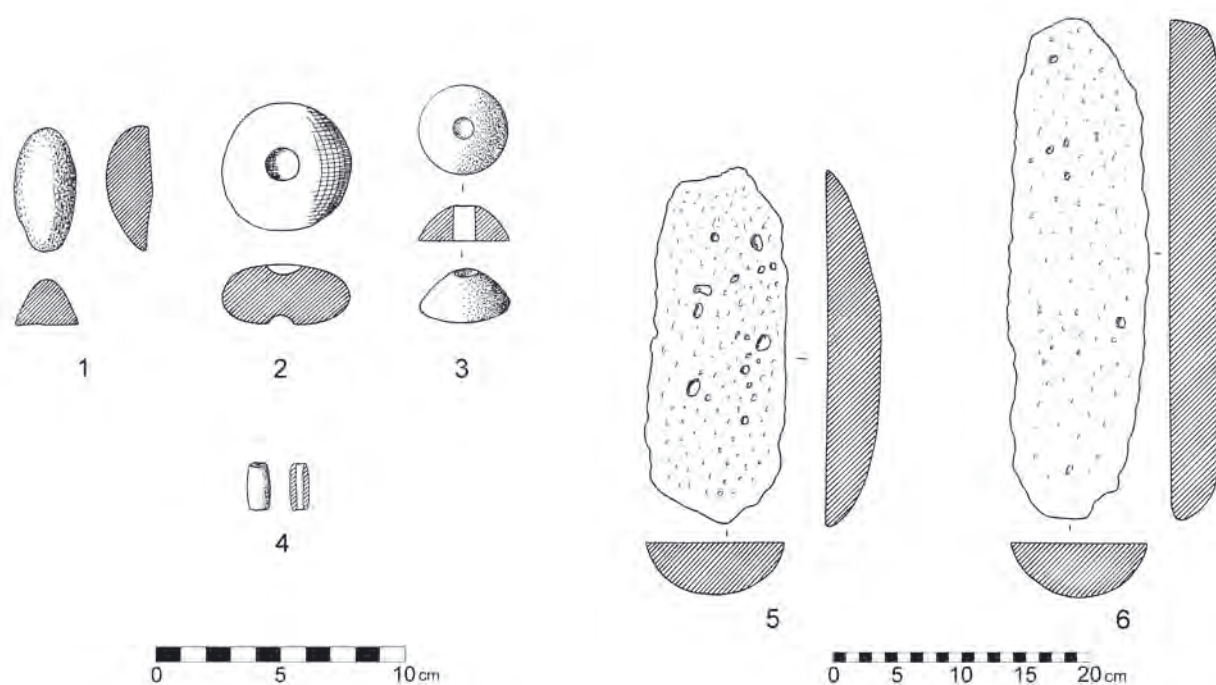


Fig. 110 Finds from Phase XI, Trench XI, Area 3

Legend for the illustrated finds from Phase XI, Trench XI, Area 3

Fig.	Locus No.	Description
110:1	46	N526 Weight, stone.
110:2	20	N511 Spindle whorl, limestone, unfinished, Wt 55 g.
110:3	36	N531 Spindle whorl, black stone, Wt 25 g.
110:4	40	N522 Bead, stone, light reddish-brown.
110:5	62	N535A Millstone, basalt.
110:6	41	N524 Millstone, basalt.

Additional finds from Phase XI, Trench XI, Area 3 (listed, not illustrated)

Locus No.	Description
26	N523 Lithic, blade, trapezoidal section, L 7.5, W 2.0, Th 0.4 cm.
32	N518 Pin, bronze, fragmentary, L 3.8, d. 0.6 cm.
36	N520 Spindle whorl, basalt, d. 4.0, H 2.0, d. of hole 1.3 cm, Wt 50 g.
41	N521 Lithic, blade, trapezoidal section, L 4.0, W 2.8, Th 0.4 cm.
46	N525 Lithic, blade, trapezoidal section, L 6.1, W 3.3, Th 1.3 cm.
49	N527 Toggle pin, bronze, fragmentary, L 8.9, d. 0.5 cm.
49	N528 Lithic, saw, trapezoidal section, L 7.8, W 4.0, Th 1.2 cm.
62	N535B Loom weights, unfired clay, nine pieces, fragmentary.

PHASE XII, TRENCH XI, AREA 3 (Figs. 111–117)**Architecture and features**

This phase of occupation is quite disturbed in certain portions of Trench XI. There are only two fairly intact structures. The remainder are spread architectural elements: one is a wall in Trench XIA and B (W84) and the other is the corner of a house with an entrance 0.5 m wide (W85, 86). The area around the entrance is covered with ash and several objects were found there: juglets (N510, N512), a jug (N513), two storage jars (N506, N509), a flint blade (N505) and a millstone of porous basalt and some shells. A red-slipped juglet with three incised concentric circles on the shoulder was found to the west of the house (N507). Two clay-lined ovens (*tawabeen*) should be mentioned from Trench XIA. One extraordinary find from Trench XID is the representation of a smiling young male with a beard of fired and painted clay (N504; Figs. 117, 453:4). His face is painted red. This “mask” was once attached to a ceramic vessel (see also Appendix 1).

Interpretation of the material evidence

The area between W84 and the house in the south-eastern corner was once an outdoor area, maybe a courtyard. The building in the south-eastern corner

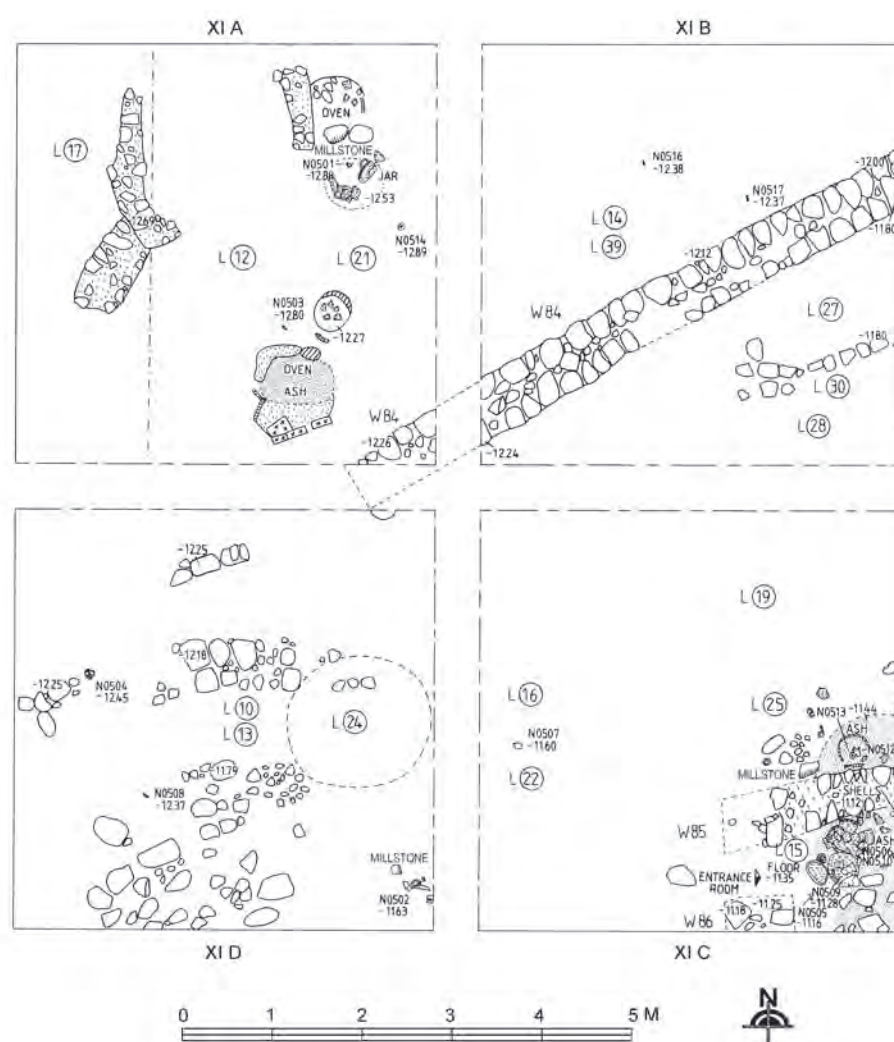


Fig. 111 Plan of Phase XII, Trench XI, Area 3

shows traces of an intense fire. Judging from the finds, the area around the entrance was used for the preparation of food.

In addition to the locally produced pottery there are a red-slipped juglet (N507; Figs. 112:8 and 114

right), which is not typical of locally produced pottery, and an import from the Phoenician sphere of culture (L15-1, Figs. 112:7 and 113): a thin-walled, two-handled jug with a light brown slip and burnish, decorated with reddish-brown bands and dots.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
84	0.6	0.8	4			reused
85	0.5	0.2	1			
86	0.6	0.2	1			

Table 29 Description of the walls of Phase XII, Trench XI, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
10	fill	3	-1 cp, 3 b, 7 k, 1 j, 2 jl, 1 ja, 1 spja, 1 hm, 1 h, 4 sj, 2 cp, 206 ud		N502	
12	fill	18	-1 cp, 2 b, 2 ja, 89 ud			
13 upper	surface	3	8 b, 5 k, 3 jl, 1 ja, 1 hm, 2 h, 6 cp, 1 lid, 135 ud		N504 mask, N508	
13 lower	surface	5	2 b, 4 k, 1 j, 2 ja, 2 sj, 1 cp, 83 ud			
14	fill	-3, 21	-1 cp, -2 sj, 2 b, 2 k, 1 j, 1 ja, 3 sj, 2 cp, 20 ud		N516, N517	
15	surface	1	N506 sj, N509 sj, N510 jl, -1 Phoen j, -2 ja, -3 cp, -4 sj, 2 b, 2 k, 1 j, 2 cp		N505	
16	fill		N507 jl, 1 jl, 1 j, 2 sj			
17	fill	5	-1 k, 2 b, 1 j, 1 jl, 1 ja, 82 ud			
19	surface		-1 k, -2 k, -3 jl, -4 pf, 5 b, 2 k, 1 jl, 1 l, 1 sj, 1 dec, 123 ud			
21	surface	30	N 501 l, 1 b, 1 jl, 1 dt, 2 ja, 1 l, 1 cp, 99 ud		N503, N514	
22	fill	1	-1 cp, -2 k, -3 cp, 4 b, 1 ja, 2 cp, 1 dec, 179 ud			
24	pit, d. 1.6		1 b, 1 k, 1 h, 1 cp, 1 ud			
25	surface, path		N512 spjl, N513 j, 2 b, 1 cb, 1 bjl, 1 jl, 1 h, 327 ud			
27	fill					
28	fill	4	1 b, 2 k, 1 j, 51 ud			
30	stone setting		1 b			
39	surface	39	-1 ja, -2 cp, -3 sj, 5 b, 2 k, 3 j, 2 ja, 1 sj, 1 hm, 5 cp, 2 dec, 120 ud			
W85	inside wall		1 b, 76 ud			

Table 30 Description of the loci of Phase XII, Trench XI, Area 3

Legend for the illustrated pottery from Phase XII, Trench XI, Area 3

Fig.	Locus No.	Description				
			112:5	19	-3	Juglet, hard-fired, light yellowish red fabric, fine, light yellow slip, vertically knife-burnished.
112:1	22	-2 Krater, hard-fired, light greyish-brown fabric, coarse, grey and white inclusions, light reddish-brown slip.	112:6	25	N512	Spouted juglet, medium-hard-fired, yellowish-brown fabric, medium-fine, self slip.
112:2	19	-2 Krater, medium-hard-fired, light brown fabric, light grey core, medium-fine, light brown slip, reddish-brown paint on rim.	112:7	15	-1	Jug, hard-fired, light brown very thin fabric, very fine, yellowish-brown slip, burnished, decoration of reddish-brown bands and dots; Phoenician import.
112:3	19	-4 Pilgrim flask, hard-fired, light brown slip, grey core, medium-coarse, grey inclusions, light yellowish-brown slip.	112:8	16	N507	Juglet, medium-hard-fired, light brown fabric, fine, red slip; three incised lines on shoulder.
112:4	25	N513 Jug, spout, hard-fired, orangish-brown fabric, thick grey core, coarse, mainly white inclusions, light brown slip.	112:9	15	N510	Juglet, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip; incised cross on upper side of handle.

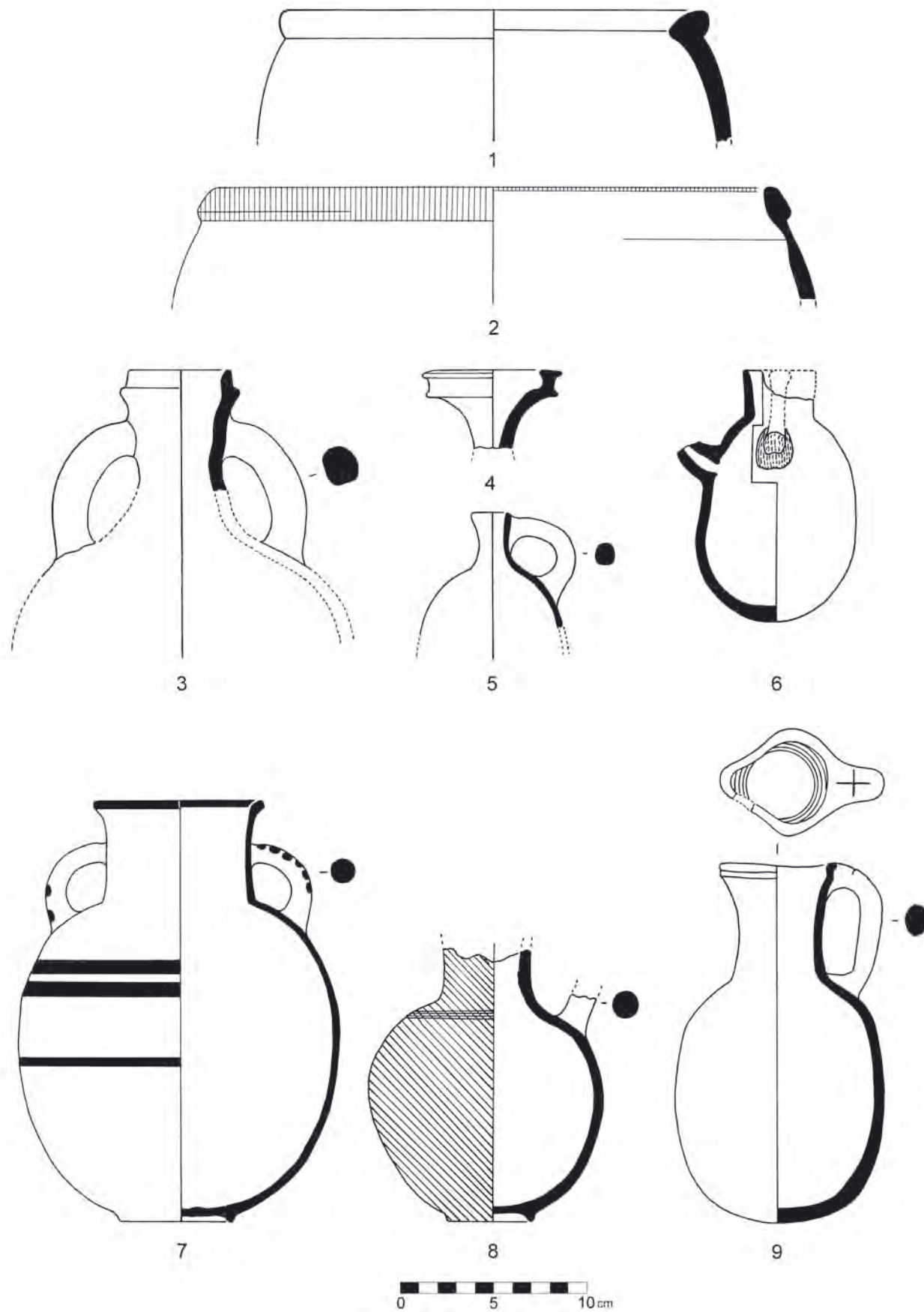


Fig. 112 Pottery from Phase XII, Trench XI, Area 3



Fig. 113 Imported jug (L15-1), Phase XII, Trench XI, Area 3



Fig. 114 Juglets (N510 left, N507), Phase XII, Trench XI, Area 3

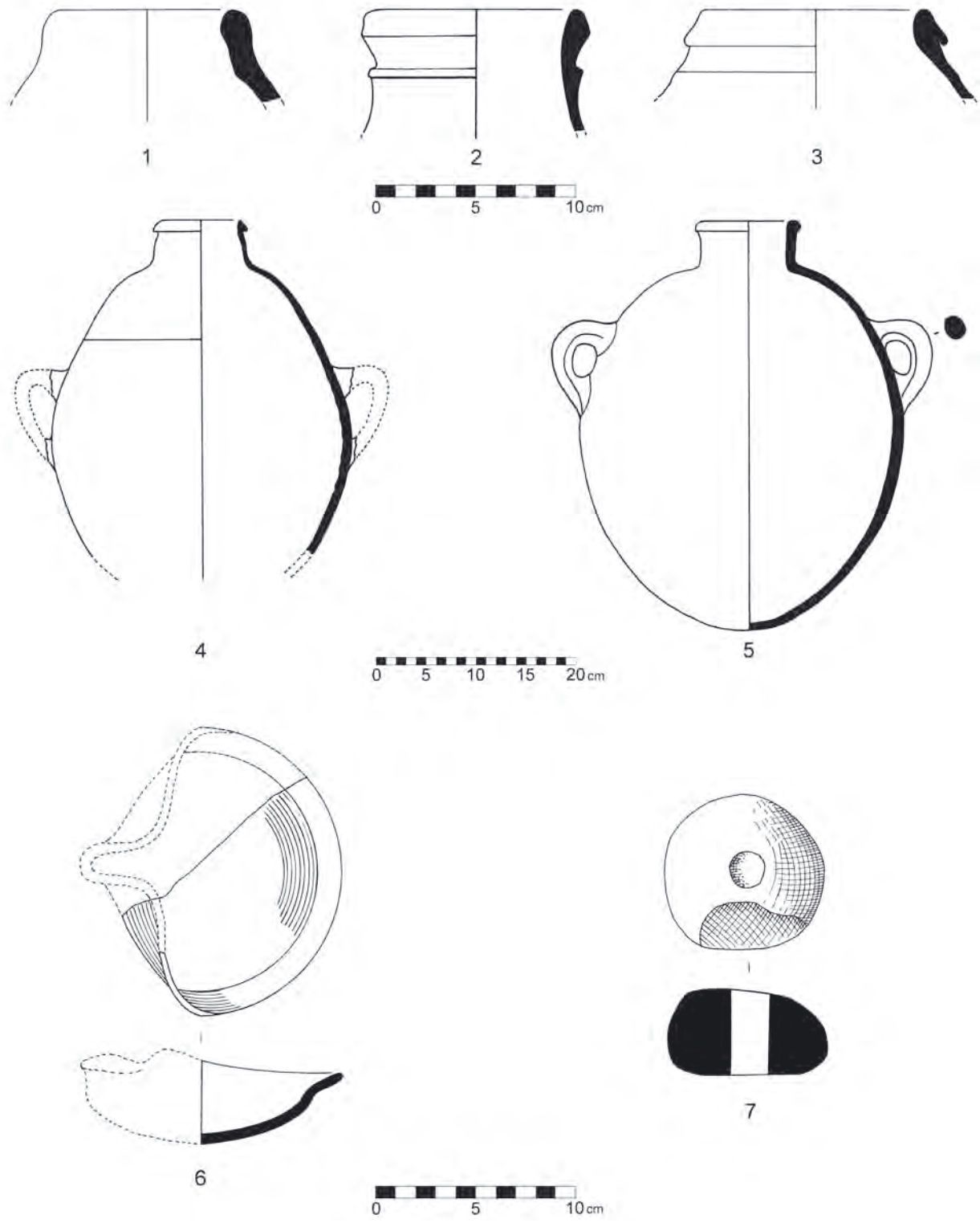


Fig. 115 Pottery and another find from Phase XII, Trench XI, Area 3

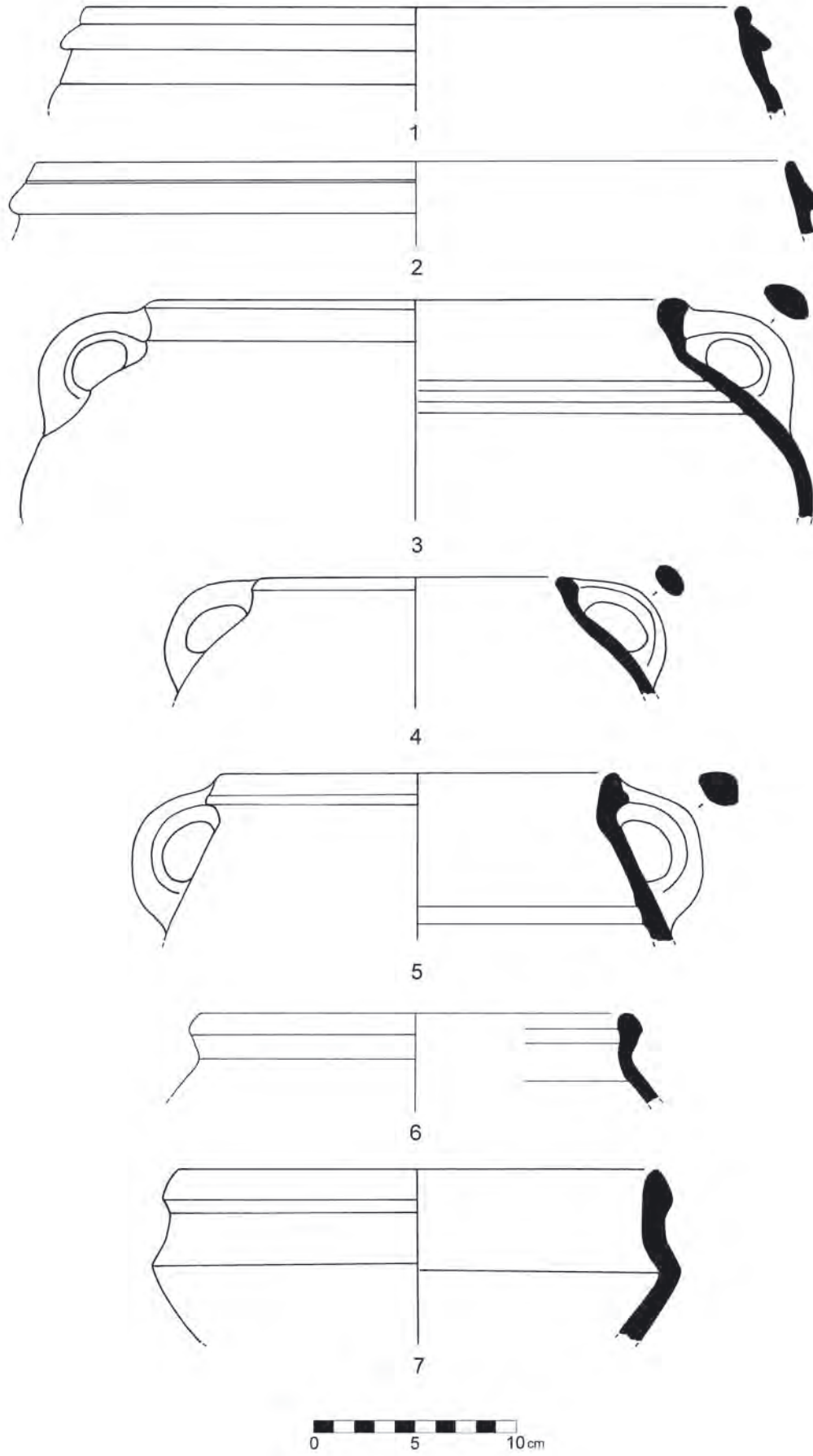


Fig. 116 Pottery from Phase XII, Trench XI, Area 3

Legend for the illustrated pottery and another find from Phase XII, Trench XI, Area 3

Fig.	Locus No.	Description
115:1	39 -1	Jar, hard-fired, reddish-brown fabric, medium-coarse, white inclusions, self slip.
115:2	15 -2	Jar, hard-fired, light reddish-brown fabric, medium-coarse, white and grey inclusions, reddish-brown slip; neck ridge.
115:3	14 -2	Storage jar, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip; stepped neck.
115:4	15 -4	Storage jar, hard-fired, light greyish-brown fabric, coarse, grey inclusions, light brown slip.
115:5	15 N506	Storage jar, hard-fired, light greyish-brown fabric, coarse, grey inclusions, light brown slip.
115:6	21 N501	Lamp, hard-fired, light yellow fabric, light grey core, coarse, white and black inclusions, self slip.
115:7	21 N514	Loom weight, unfired clay, fragmentary, d. 8.5, H 4.0 cm.

Legend for the illustrated pottery from Phase XII, Trench XI, Area 3

Fig.	Locus No.	Description
116:1	39 -2	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, coarse, white inclusions, self slip.
116:2	14 -1	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, coarse, white inclusions, self slip.
116:3	15 -3	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, coarse, white inclusions, self slip.
116:4	10 -1	Cooking pot, medium-hard-fired, yellowish-brown fabric, light brown core, coarse, white inclusions, self slip.
116:5	22 -3	Cooking pot, hard-fired, reddish-brown fabric, dark grey core, coarse, white inclusions, self slip.

116:6	22 -1	Cooking pot, hard-fired, greyish-brown fabric, coarse, white inclusions, self slip.
116:7	12 -1	Cooking pot, hard-fired, reddish-brown fabric, grey core, coarse, white inclusions, self slip.

Additional finds from Phase XII, Trench XI, Area 3 (listed, not illustrated)

Locus No.	Description
10 N502	Lithic, blade, trapezoidal section, L 2.9, W 2.1, Th 0.9 cm.
13 N508	Pointed tool, iron, very corroded, L 7.5, W 1.2, Th 0.7 cm.
14 N516	Lithic, blade, trapezoidal section, L 5.7, W 2.0, Th 0.5 cm.
14 N517	Lithic, blade, triangular section, L 6.2, W 2.1, Th 1.0 cm.
15 N505	Lithic, blade, trapezoidal section, L 3.8, W 1.2, Th 0.4 cm.
15 N509	Storage jar, hard-fired, light brown fabric, coarse, black inclusions, greyish-brown slip.
21 N503	Lithic, blade, trapezoidal section, L 5.2, W 2.1, Th 0.6 cm.

PHASE XIII, TRENCH XI, AREA 3 (Fig. 118–120)

Architecture and features

Two destroyed structures dominate in this phase: to the north is a pebble-paved compound with an approximately 1 m wide entrance towards the north-west (W82). Two ovens (*tawabeen*) were found there. The southern compound has another entrance 1 m wide towards the south-east (W81). A destroyed, pebble-paved structure is centred between the two compounds ("W83"). A red-slipped almost complete krater with plastic decoration was found opposite the entrance to the northern compound standing on the floor and supported by small stones (N500; Fig. 119:2).



Fig. 117 Mask of young male with beard (L13, N504), anthropomorphic decoration of vessel, hand-made, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip, red paint on upper part of face.

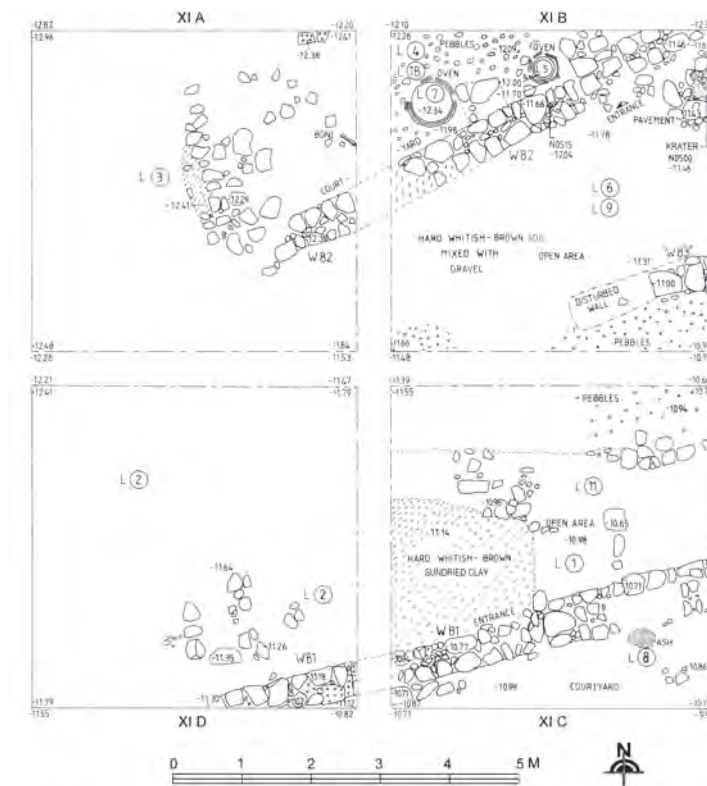


Fig. 118 Plan of Phase XIII, Trench XI, Area 3

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
81	0.6	0.3	2			
82	0.6	0.4	2			N515 inside wall
"83"	0.5	0.2	1			

Table 31 Description of the walls of Phase XIII, Trench XI, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
1	fill, sun-dried clay	3	1 b, 1 k, 1 ja, 2 hm, 7 ud			
2	surface		1 b, 2 k, 4 sj, 32 ud	2		
3	surface, o.d.	68	-1 cp, 2 b, 4 k, 2 j, 5 ja, 4 cp, 190 ud	1		
4	fill		1 stj, 1 sj, 1 cp			
5	tabun		-1 cp, -2 sj, 2 sj			
6	fill		N500 k			
7	tabun		-1 cp			
8	surface, ash	3	1 b, 1 k, 1 jl, 2 cp, 1 dec, 61 ud			
9	surface	13	-1 k, -2 cb, -3 k, 5 b, 4 k, 1 jl, 1 ja, 1 sj, 3 cp, 173 ud			
11	surface, od	1	-1 b, -2 cp, 2 b, 3 k, 1 g, 1 j, 12 ja, 2 sj, 2 cp, 3 dec, 228 ud			
18	surface	64	4 b, 3 k, 1 ja, 1 sj, 2 cp, 97 ud			
W81	inside wall		-1 cp, 2 b, 5 ja, 74 ud			
W82	inside wall				N515	

Table 32 Description of the loci of Phase XIII, Trench XI, Area 3

Interpretation of the material evidence

There are two compounds in this phase separated by a street from which they were entered and in which a pebble-paved structure of unknown function was

built. No more detailed interpretation is possible due to the superficial position of the remains of this phase, viz. just below colluvial soil or, in the case of certain wall portions, visible on the surface.

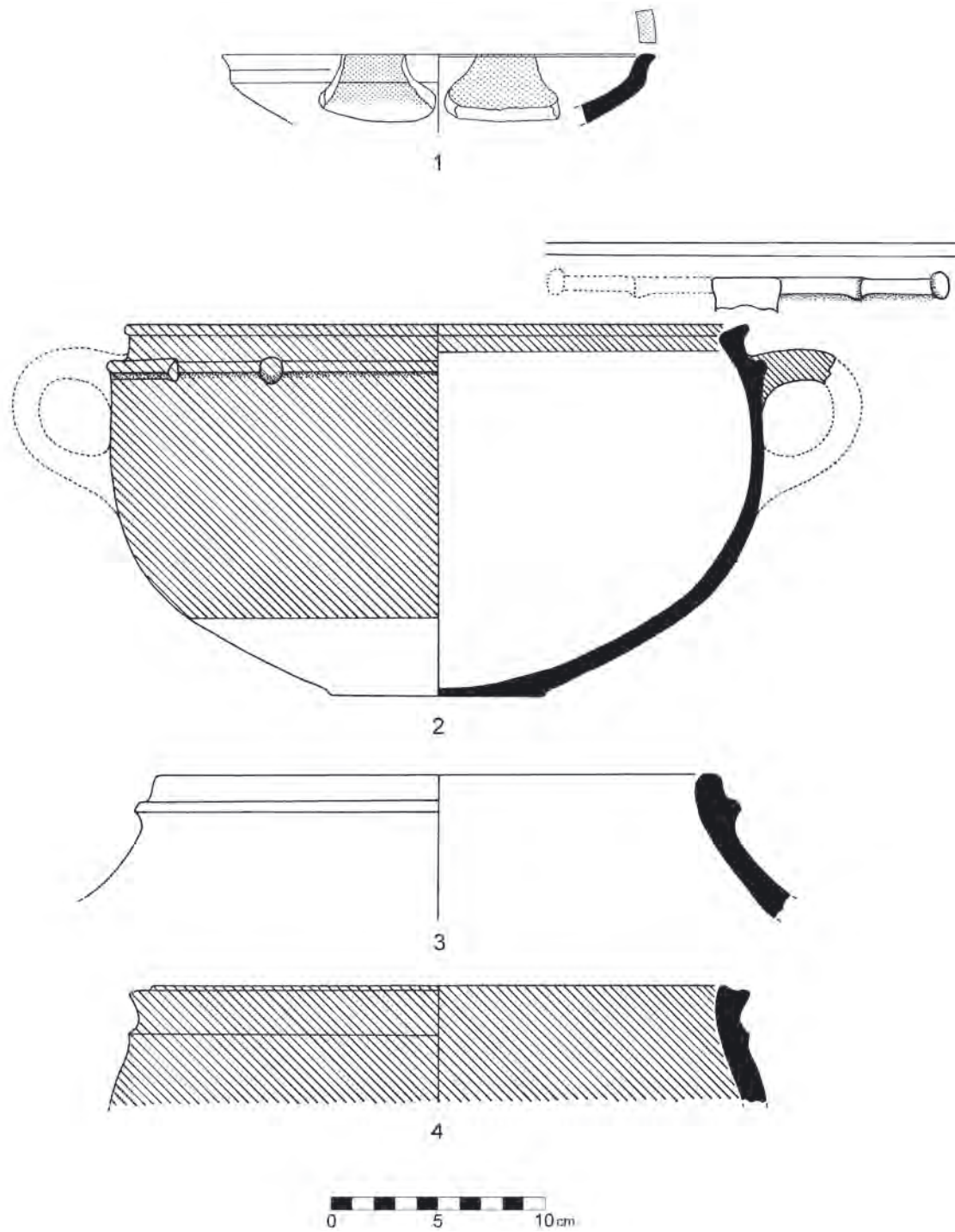


Fig. 119 Pottery from Phase XIII, Trench XI, Area 3

Legend for the illustrated pottery from Phase XIII, Trench XI, Area 3

Fig.	Locus	No.	Description
119:1	9	-2	Carinated bowl, hard-fired, light brown fabric, medium-fine, red slip.
119:2	6	N500	Krater, medium-hard-fired, grey fabric, yellowish-brown core, medium-coarse, multicoloured inclusions, red slip on upper part of vessel; plastic trumpet/dot decoration below rim.
119:3	9	-3	Krater, medium-hard fired, yellowish-brown fabric, medium-coarse, multicoloured inclusions, pink slip.
119:4	9	-1	Krater, medium-hard-fired, light reddish-brown fabric, grey core, red slip, burnished; neck ridge; neck ridge.

Legend for the illustrated pottery from Phase XIII, Trench XI, Area 3

Fig.	Locus	No.	Description
120:1	5	-1	Cooking pot, hard-fired, reddish-brown fabric, grey core, coarse, white inclusions, self slip.
120:2	W81	-1	Cooking pot, hard-fired, reddish-brown fabric, grey core, coarse, white inclusions, self slip.
120:3	7	-1	Cooking pot, hard-fired, reddish-brown fabric, grey core, coarse, white inclusions, self slip.
120:4	3	-1	Cooking pot, hard-fired, reddish-brown fabric, grey core, coarse, white inclusions, self slip; neck ridge and incised lines on belly.

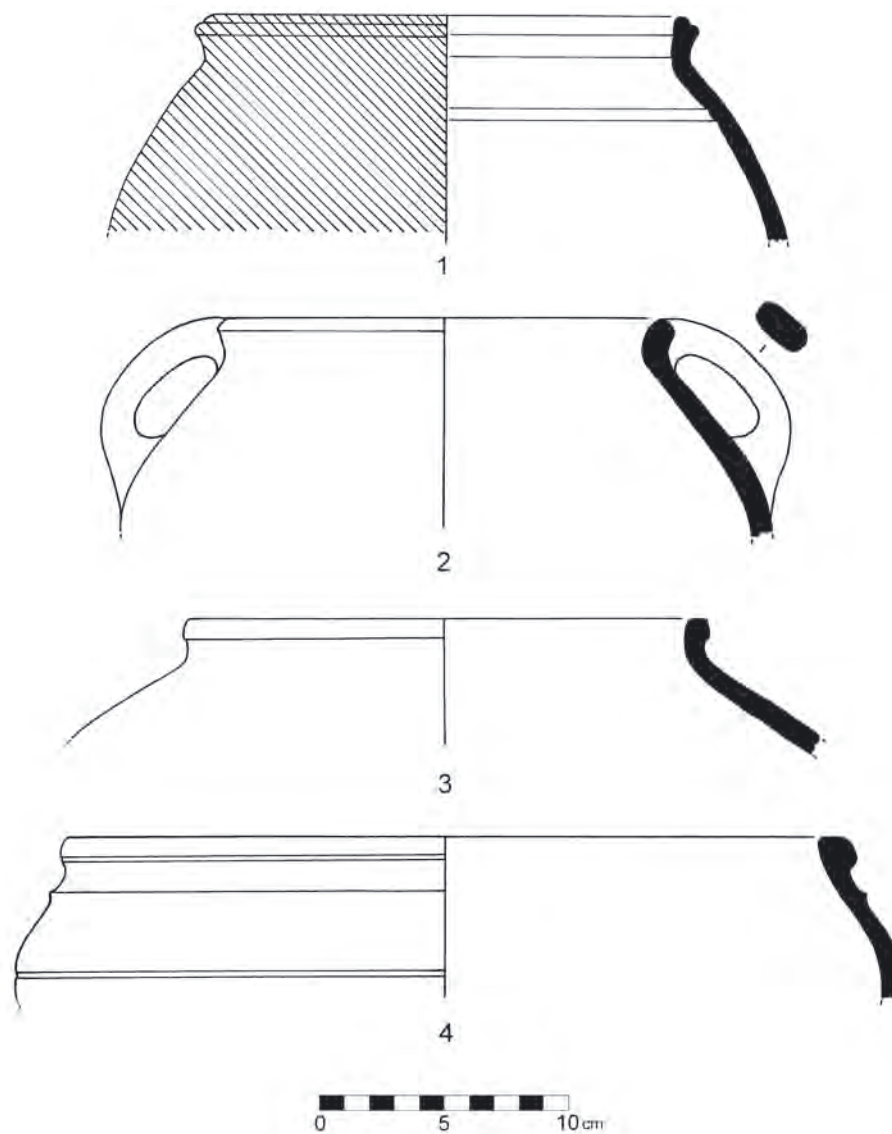


Fig. 120 Pottery from Phase XIII, Trench XI, Area 3

Additional find from Phase XIII, Trench XI, Area 3 (listed, not illustrated)

Locus No. Description
W82 N515 Lithic blade, triangular section, L 5.9, W 1.9, Th 0.5 cm.

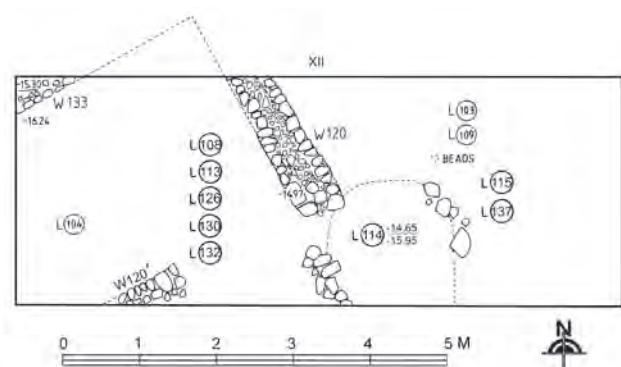


Fig. 121 Plan of Phase XI, Trench XII, Area 3

PHASE XI, TRENCH XII, AREA 3³³ (Figs. 121–123)

Architecture and features

There are the remains of a structure to the west (W120, 120', 133). The lowest loci of this Iron Age phase contain, in addition to Iron Age pottery, a considerable amount of Late Bronze Age sherds.

Interpretation of the material evidence

The structure, which was used in two phases, may represent a small walled space with an entrance to the south-east. In addition to bowls, kraters, a decanter-jug, cooking pots and a lamp, a pyxis decorated with black and red bands should be mentioned.

Legend for the illustrated pottery from Phase XI, Trench XII, Area 3

Fig. Locus No. Description
122:1 130 -3 Carinated bowl, medium-hard-fired, light yellowish-brown fabric, medium-coarse, multicoloured inclusions, yellowish-brown slip, red paint on rim.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
120	0.5-0.6	0.8	3			
120'	?	0.4	2			
133	?	0.9	3-4			

Table 33 Description of the walls of Phase XI, Trench XII, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
103	fill		2 b, 1 jl, 2 ja, 120 ud			
104	fill		23 ud			
108	fill	2	-1 cp, -2 k, -3 cb, 80 ud			
109	surface	4	-1 j, 2 b, 1 dt, 3 cp, 196 ud			
113	surface		-1 cb, -2 j			
114	pit, well				disturbance from later period	
115	surface		-1 cp, -2 cp, 210 ud			
126	fill		N568 pyx, 2 b		lower IA portion	
130	fill		N581 l, -2 cb, -3 cb, -4 cp		lowest IA portion	
132	fill		-1 cb, -2 k, -3 k, 2 b, 1 bjl, 1 cp, 210 ud		lowest IA portion	
137	fill	3	-2 k		lowest IA portion	

Table 34 Description of the loci of Phase XI, Trench XII, Area 3

³³ Only Phases XI and XII contain finds from fairly secure contexts. Therefore only finds from these phases are shown in the illustrations.

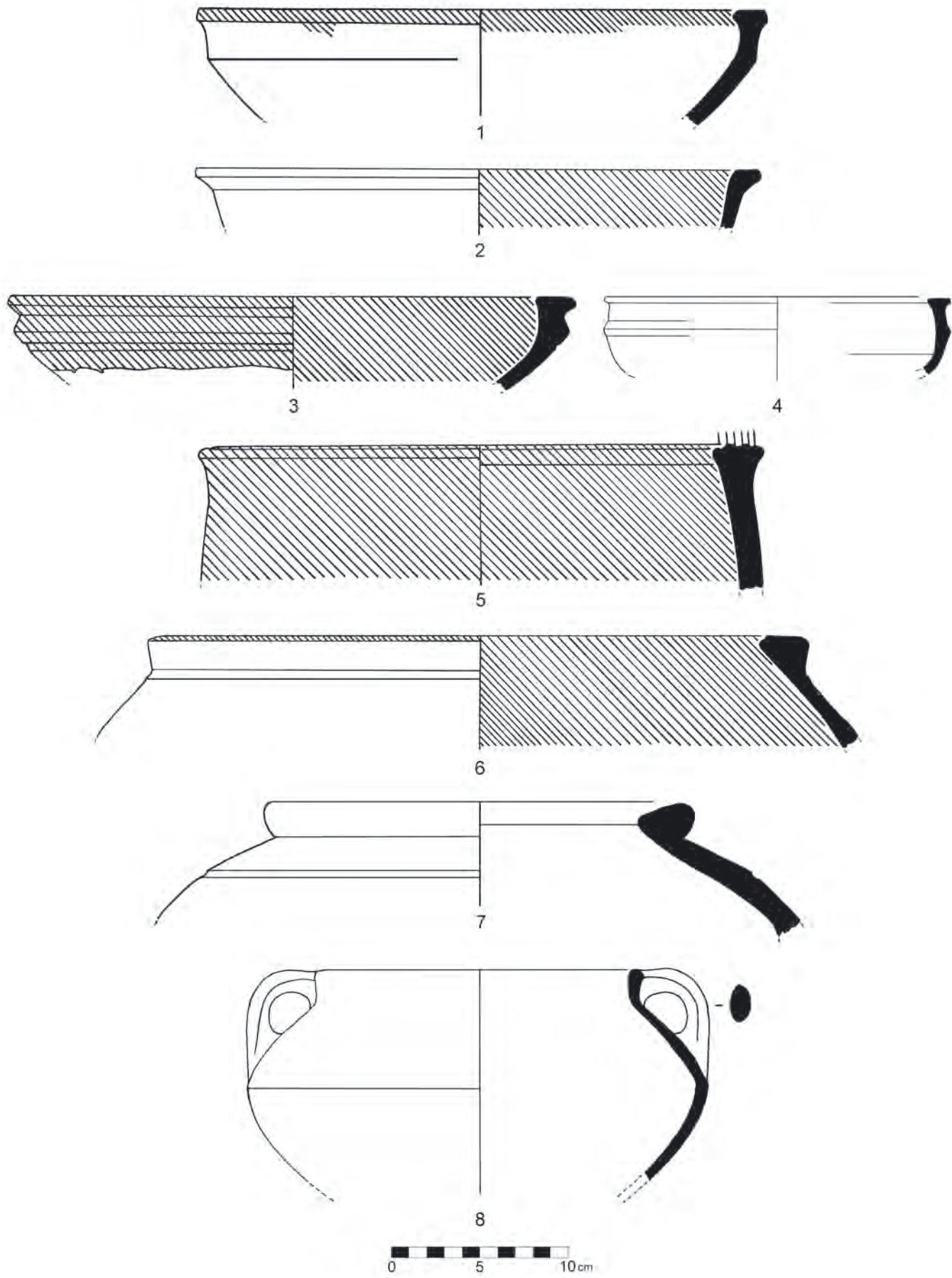


Fig. 122 Pottery from Phase XI, Trench XII, Area 3

122:2	130	-2	Carinated bowl, medium-hard-fired, light yellowish-brown fabric, medium-coarse, multicoloured inclusions, yellowish-brown slip, red paint on rim and interior.	122:5	132	-2	Krater, medium-hard-fired, light brown fabric, medium-coarse, black inclusions, yellowish-brown fabric, red paint interior and exterior.
122:3	132	-1	Carinated bowl, hard-fired, light greyish-brown fabric, coarse, black inclusions, yellow slip, red paint interior and exterior; ridge and incision below rim.	122:6	132	-3	Krater, hard-fired, light brown fabric, coarse, dark grey inclusions, yellowish-brown fabric, red paint on rim and interior.
122:4	108	-3	Carinated bowl, hard-fired, light greyish-brown fabric, fine, light brown slip, traces of red paint on rim and interior; ridge below rim.	122:7	108	-2	Krater, hard-fired, light greyish-brown fabric, thick grey core, coarse, grey and white inclusions, light yellowish-brown slip; incision above belly.
				122:8	137	-2	Krater, hard-fired, yellowish-brown fabric, coarse, grey inclusions, yellowish-brown slip.

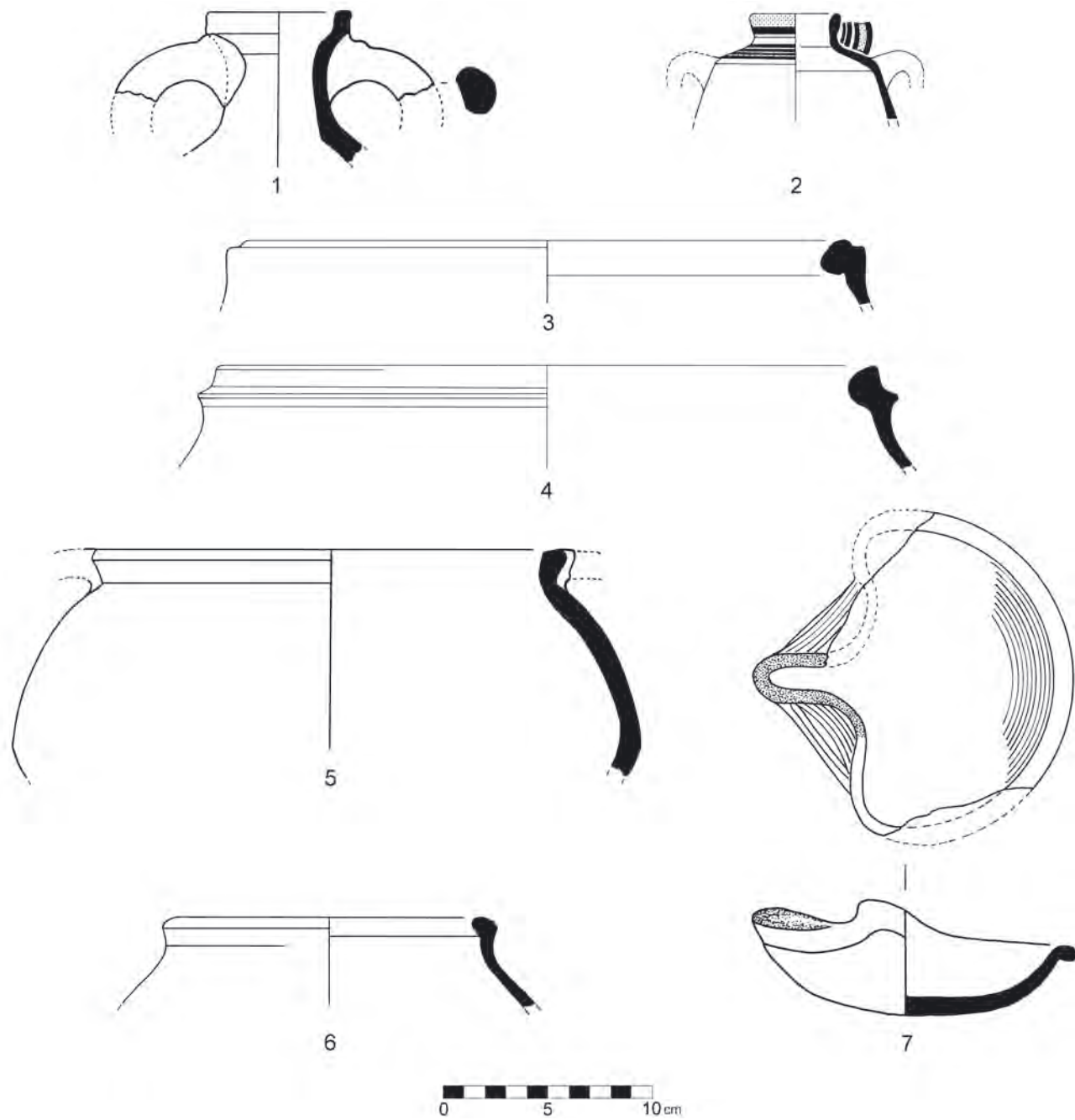


Fig. 123 Pottery from Phase XI, Trench XII, Area 3

Legend for the illustrated pottery from Phase XI, Trench XII, Area 3

Fig.	Locus	No.	Description
123:1	109	-1	Jug, hard-fired, light brown fabric, thick grey core, coarse, mainly white inclusions, self slip.
123:2	126	N568	Pyxis (?), medium-hard-fired, light yellowish-brown fabric, fine, light yellowish-brown slip, burnished, red and black decoration.
123:3	115	-1	Cooking pot, hard-fired, grey fabric, multicoloured inclusions, brownish-red slip.
123:4	108	-1	Cooking pot, hard-fired, brownish-red fabric, thick grey core, medium-coarse, white inclusions, self slip.
123:5	130	-4	Cooking pot, hard-fired, reddish-brown fabric, thick grey core, coarse, white inclusions, self slip.
123:6	115	-2	Cooking pot, hard-fired, light reddish-brown fabric, coarse, white inclusions, self slip.
123:7	130	N581	Lamp, hard-fired, orangish-brown fabric, medium-fine, some white inclusions, self slip.

PHASE XII, TRENCHES XII AND XLIII (Figs. 124–127)**Architecture and features**

A stone-paved structure dominates this phase. There is an oblong room about 3 m in width and at least 5 m in length (W123, 119, 518, 517; its south-west wall has not yet been excavated). It is entered from the north-east through a courtyard or second room. The entrance, flanked by larger stones, is 1.10 m wide, and has a stone threshold and sockets for door leaves. The floor of the room, covered by about 1 m of debris of collapsed mudbrick tiles and ash, is carefully paved with small stones, with clay between them. The remains inside the burnt-down building show signs of intense heat. A great deal of pottery was collected from the floor of the room: it includes a number of intact and complete shapes and consists of bowls, a chalice, a strainer cup, kraters, juglets, jugs, storage jars, cooking pots and a lamp. A ring of bronze and an exquisitely carved bone handle (N553) were also found on the floor (Figs. 127, 453:3, 464 and Appendix 2). Additional finds which are connected with the production of fabric are two bone shuttles, two limestone spindle whorls and six loom weights of secondarily fired clay. There are also quite a few pieces of charcoal along the wall to the south-east (W 517) which most likely derive from a burnt-down loom which had been leaning against the wall.

There is another stone-paved room to the north.

Interpretation of the material evidence

The entire compound suffered from a severe conflagration, on the evidence of the 1 m thick layer of ash and debris. The room's uses included the production of textiles. The ceramics were locally produced but there is also an import from the Phoenician sphere of culture (L365-3; Fig. 126:3).

A well-preserved carved bone object with a separate lid at the bottom is quite a spectacular find (N553; Figs. 127, 453:3, 464 and Appendix 2). It was found on the floor of the stone-paved room, embedded in clay, which no doubt explains how it survived the fire so well. However, it has been affected by the surroundings, showing a light-grey, but still burnished and almost glazed, surface (see FISCHER 2009b: 215–226). The piece has a pair of dowel holes perforating the rim at the top, which do not survive on comparable but fragmentary examples from Nimrud. These holes must have been used to fix something to the object. The bone object most likely served as the handle of a sceptre, fan or flywhisk. It may be that the surface of the object had been polished during the manufacturing process, but the shiny surface might also have resulted from frequent use as a handle. The context in which the handle was found is interesting. In addition to the pottery there are finds which clearly connect this room with the production of textiles: bone shuttles, loom weights, spindle whorls and the likely remains of a wooden loom. It may alternatively be that the object represents the handle of a tool used during the production of textiles.

There are two main categories in the bone group from Tell Abu al-Kharaz, Nimrud, and Hazor. The first category, with examples from Tell Abu al-Kharaz and Nimrud, has a single design register above hanging palmettes and a short base. The bottom of the Abu al-Kharaz piece was closed with a stopper. The bone itself, with its low relief, flattened hanging palmettes and oval form, fits comfortably into the hand. The second category, which includes taller objects with the design reversed, has examples from Nimrud and Hazor. The most complete of these, from Nimrud, is S 70, BM 123864, with two registers of sphinxes below a register decorated with vertical lines, the band of palmettes and a flaring area with a concave curved top. This curve may suggest that a bowl was attached to the long bone, whose flat carving and oval form fit comfortably into the hand and could well have served as the bowl's handle.

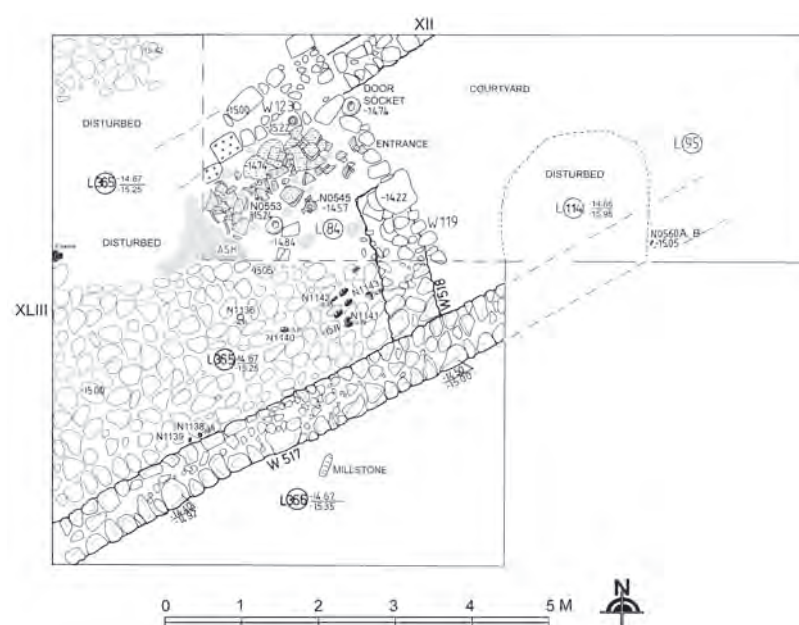


Fig. 124 Plan of Phase XII, Trenches XII and XLIII, Area 3

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
517	0.7	0.5	2-3			
119/518	0.7	0.7	2-3			
123	0.7	0.3	1-2			

Table 35 Description of the walls of Phase XII, Trenches XII and XLIII, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
84	floor of room	13	N545 j, -1 trough, -2 jl, -3 cp, -4 sj, 1 b, 1 cp, 8 ud		N553, N560	
95	floor of room	2	-1 k/hm, -2 sj, -3 cb, 5 b, 1 k, 1 jl, 1 hm, 2 ja, 1 l, 4 cp			
114	pit, well		23 ud			disturbance from later period
365	stone pavement	1	N 1143 jl, -1 ic, -2 c, -3 Phoen j, 8 b, 4 c, 2 k, 2 jl, 10 j, 1 stj, 2 ja, 10 h, 1 l, 9 cp, 475 du		N 1136, N1138... N1142	
366	surface		7 b, 1 g, 5 j, 3 jl, 1 l, 6 sj, 12 cp, 225 ud			

Table 36 Description of the loci of Phase XII, Trenches XII and XLIII, Area 3

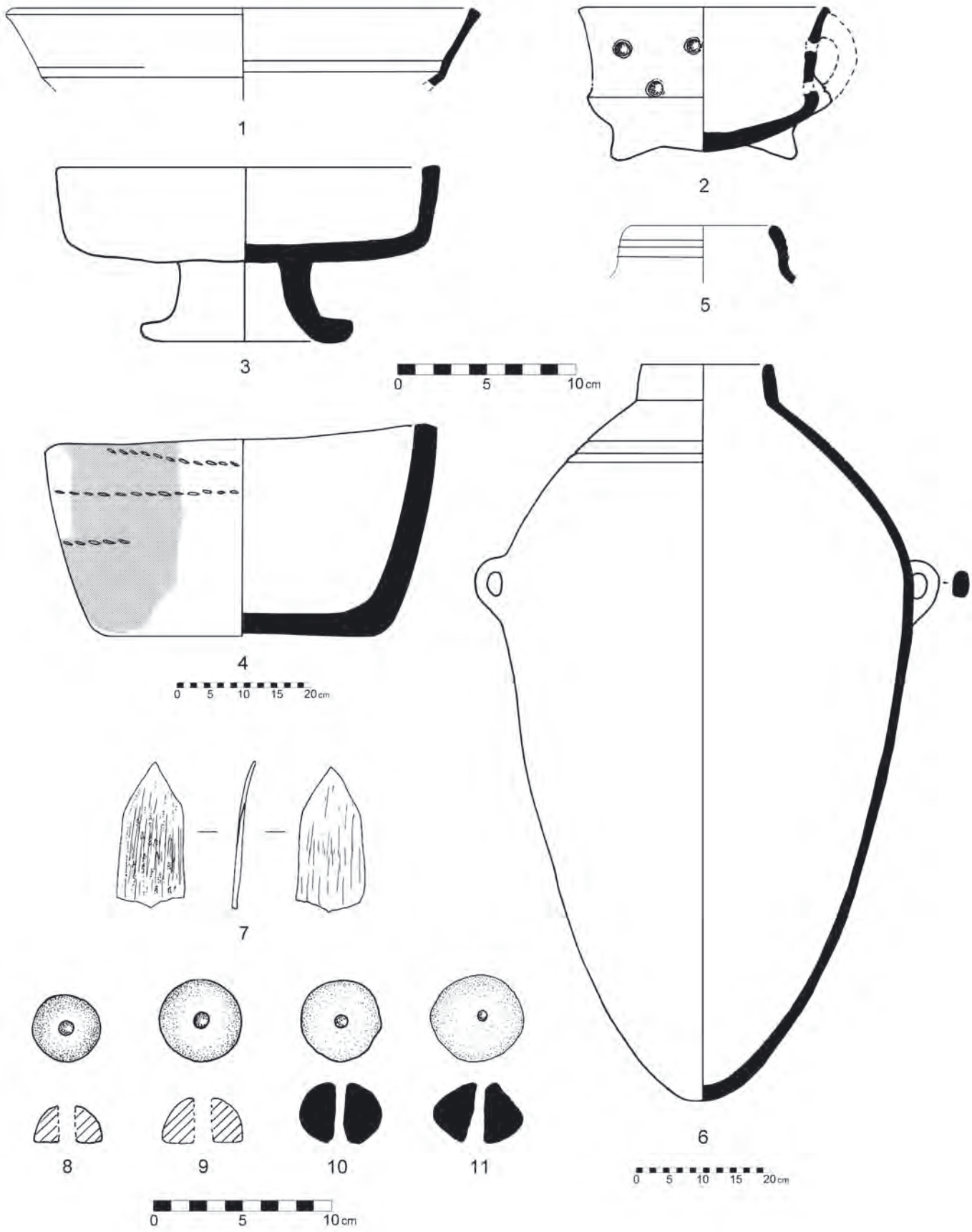


Fig. 125 Pottery and other finds from Phase XII, Trenches XII and XLIII, Area 3

Legend for the illustrated pottery and other finds from Phase XII, Trenches XII and XLIII, Area 3

Fig.	Locus	No.	Description
125:1	95	-3	Carinated bowl, hard-fired, light pinkish-brown fabric, medium-coarse, grey inclusions, light pinkish-brown slip.
125:2	365	-1	Incense cup, hard-fired, light yellowish-brown fabric, medium-fine, multi-coloured inclusions, self slip.
125:3	365	-2	Chalice, medium-hard-fired, light brown fabric, fine, a few grey inclusions, light yellowish-brown fabric, wheel-burnished.
125:4	84	-1	Trough, hand-made, soft-fired, light brown fabric, coarse, black and white inclusions, soot on exterior; impressed string pattern.
125:5	95	-2	Storage jar, hard-fired, light greyish-brown fabric, grey core, coarse, white and grey inclusions, self slip.
125:6	84	-4	Storage jar, hard-fired, light greyish-brown fabric, grey core, coarse, white and grey inclusions, self slip; incisions on neck.
125:7	365	N1142	Shuttle, bone.
125:8	365	N1138	Spindle whorl, limestone, Wt 24 g.
125:9	365	N1140	Spindle whorl, limestone, Wt 30 g.
125:10	365	N1141A	Loom weight, unfired clay (first of six), Wt 59 g.
125:11	365	N1141B	Loom weight, unfired clay (second of six), Wt 65 g.

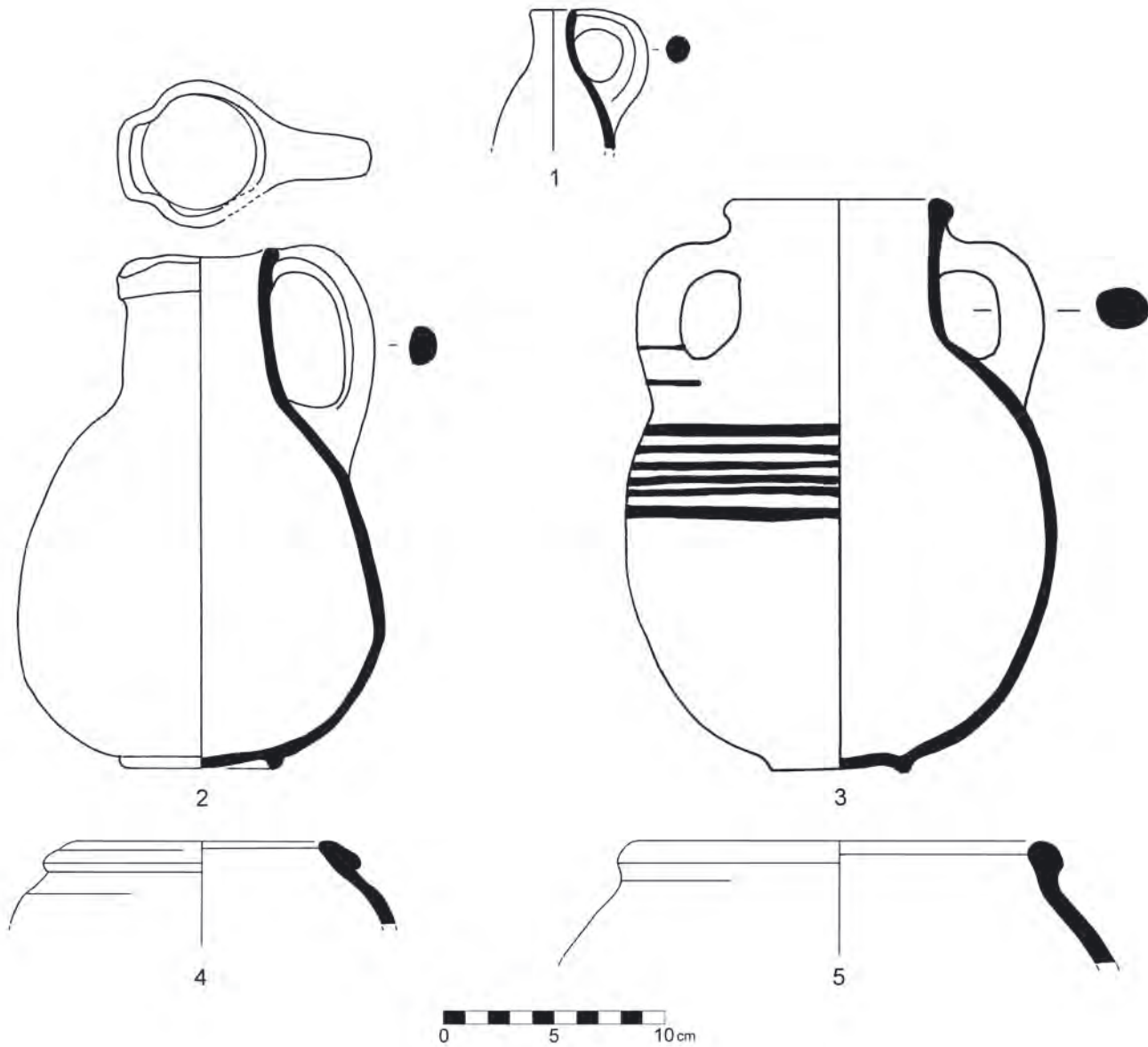


Fig. 126 Pottery from Phase XII, Trenches XII and XLIII, Area 3

Legend for the illustrated pottery from Phase XII, Trenches XII and XLIII, Area 3

Fig.	Locus No.	Description
126:1	84 -2	Juglet, medium-hard-fired, light reddish-brown fabric, brown core, fine, light yellowish-brown slip, traces of red paint.
126:2	84 N545	Jug, hard-fired, light greyish-brown fabric, medium-coarse, multicoloured inclusions, light greyish-brown slip.
126:3	365 -3	Jug, hard-fired, reddish-brown fabric, fine, brownish-red slip, burnished, black decoration; Phoenician import.
126:4	95 -1	Krater/hole-mouth jar, hard-fired, light pinkish-brown fabric, grey core, coarse, grey and black inclusions, light pinkish-brown slip.
126:5	84 -3	Cooking pot, hard-fired, brown fabric, dark grey core, coarse, white inclusions, self slip.



Fig. 127 The bone (Sphinx) handle from Phase XII, Trench XII, Area 3

Legend for the carved bone handle (Sphinx handle)
from Phase XII, Trench XII, Area 3

Fig.	Locus No.	Description
127	84	N553 Carved bone handle (Sphinx handle) with lid and dowel holes, long bone of cattle; see also Figs. 453:3 and 464.

Additional finds from Phase XII, Trenches XII and XLIII, Area 3 (listed, not illustrated)

Locus No.	Description
84	N560 A. Awl, from a split rib bone (Th 0.2 cm), one end pointed, the other rounded; B. Bead of glass d. 0.6, H 0.5, d. of hole 0.15 cm.
365	N1136 Ring, bronze, d. 1.5, Th 0.2 cm.
365	N1139 Shuttle, bone, fragmentary.
365	N1143 Juglet (for general shape see N545, Fig. 126:2, above), hard-fired, light yellowish-brown fabric, medium-fine, self slip.

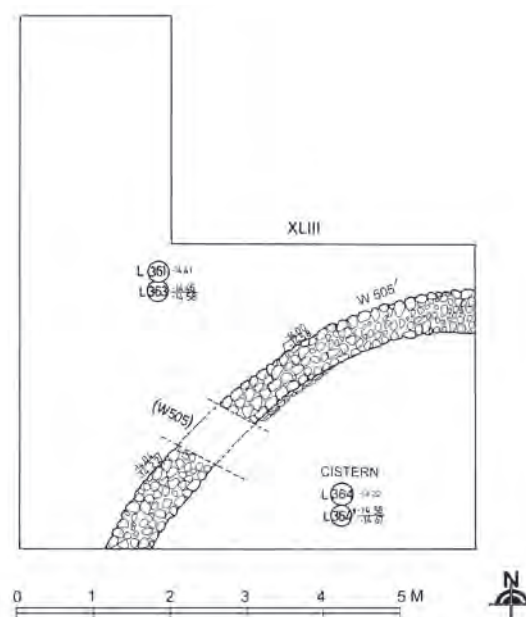


Fig. 128 Plan of Phase XIII, Trench XLIII, Area 3

PHASE XIII, TRENCH XLIII, AREA 3 (Fig. 128)

Architecture and features

A curved wall is the only feature which can be ascribed to this sub-phase (W505').

Interpretation of the material evidence

The curved wall represents a partly exposed cistern. A tentative reconstruction of the cistern is 12 m in diameter.

PHASE XIV, TRENCHES XII AND XLIII, AREA 3 (Fig. 129)

Architecture and features

Another wall (W505) was later built partly on top of the cistern.

Interpretation of the material evidence

Although W505 was built later than the cistern it may belong to roughly the same phase of occupation.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
505'	0.5	0.6	3			

Table 37 Description of the wall of Phase XIII, Trench XLIII, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
361	fill		12 ud	24		
363	surface		15 ud	2		
364	fill					
364'	surface	3	-1 Phoen j, 12 b, 2 k, 3 jl, 1 j, 11 ja, 1 tri, 5 sj, 2 ep, 65 ud			

Table 38 Description of the loci of Phase XIII, Trench XLIII, Area 3

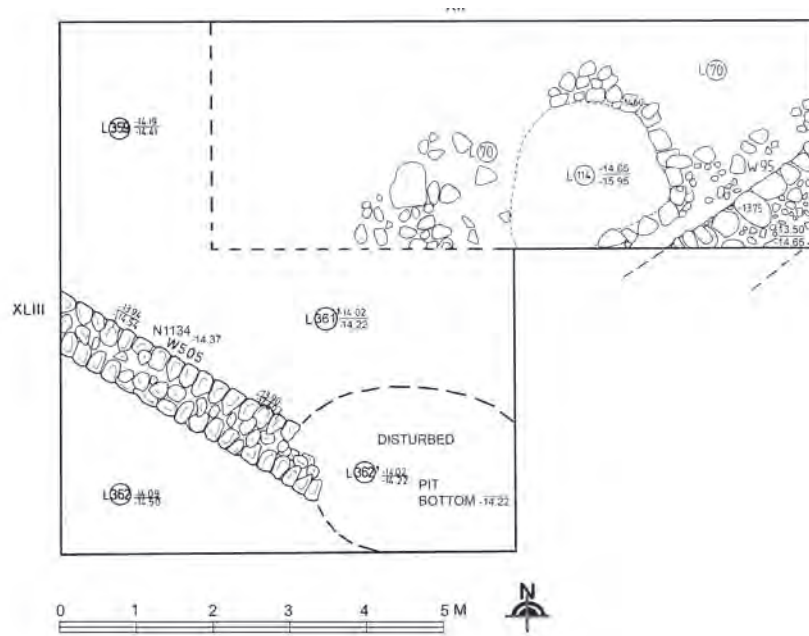


Fig. 129 Plan of Phase XIV, Trenches XII and XLIII, Area 3

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
95	0.9	1.15	5			
505	0.7	0.6	3			

Table 39 Description of the walls of Phase XIV, Trenches XII and XLIII, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
70	surface	2	2 b, 4 ja, 2 cp			
114	pit, well, d. c. 2.0	3	150 ud		built in this phase	
359	fill, disturbed		4 ud			
361'	fill, disturbed					
362	fill		8 ud	mainly		
362'	fill, disturbed					
W505	inside wall		1 k, 2 cp, 10 ud			

Table 40 Description of the loci of Phase XIV, Trenches XII and XLIII, Area 3

PHASE XV, TRENCH XII (Fig. 130)

Architecture and features

Wall 93 and Loci 50 and 59 belong to this phase.

Interpretation of the material evidence

Although the majority of the pottery is from the later part of the Iron Age it is not clear that W93 was built in the Iron Age: it could as well have been built in post-Iron Age periods thereby bringing up earlier material during the construction of the foundation trenches.

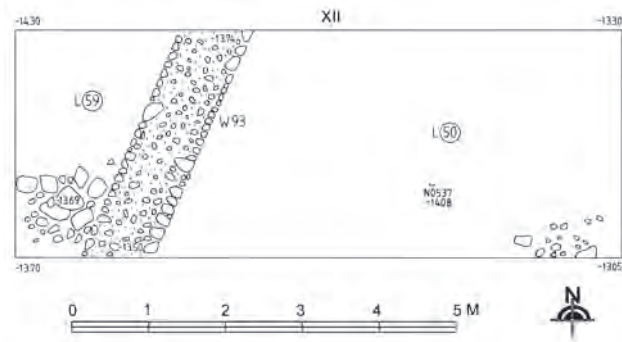


Fig. 130 Plan of Phase XV, Trench XII, Area 3

PHASES XVIA AND B, TRENCHES XII AND XLIII, AREA 3 (Fig. 131)

Architecture and features

The superficial walls W92, 503 and 506, which were visible on surface, were obviously built in two periods.

Interpretation of the material evidence

The walls may belong to any or several of the following periods judging by the associated pottery: very late Iron Age, Byzantine and Abbasid.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
93	0.8	0.3	1-2			

Table 41 Description of the wall of Phase XV, Trench XII, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
50	surface, o.d.	8	1 k, 46 ud		N537	
59	surface, o.d.		1 cp, 14 ud	1		

Table 42 Description of the loci of Phase XV, Trench XII, Area 3

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
92	2.0	0.2	1-2			ambiguous date
503	0.8	0.25	1-2			possible Iron Age
506	0.8?	0.5-0.3	2			possible Iron Age

Table 43 Description of the walls of Phase XVI, Trenches XII and XLIII, Area 3

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
358	fill, disturbed		1 h			
360	fill, disturbed		6 ud	6		
W503	inside wall		35 ud	3		
W506	inside wall		1 tri	7		

Table 44 Description of the loci of Phase XVI, Trenches XII and XLIII, Area 3

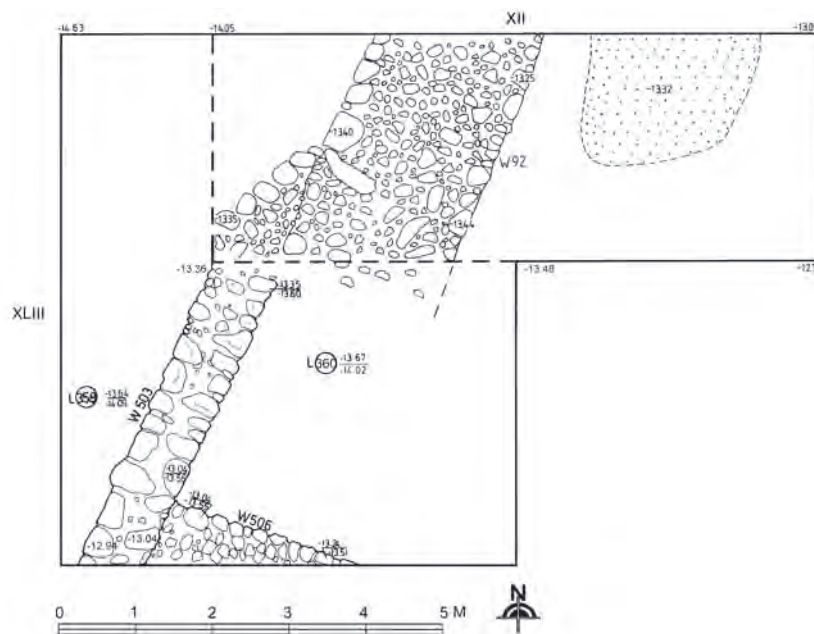


Fig. 131 Plan of Phase XVI, Trenches XII and XLIII, Area 3

AREA 7

General information

The excavated portions of this area lie north of the summit of the tell on a partially natural terrace in Grids RR–XX / 24–26. The area is fairly flat in the east-west direction. There is a steep slope north of the area which makes it easy to defend. The easiest way to reach this part of the settlement once the city is entered is from the north-west, passing north of Areas 2 and 3, or if the city is entered from the south via the summit plateau along a path that slopes moderately (approximately 9 m in 70 m).

The excavations started in the eastern part of Area 7 in 1993. They were later extended westwards in 1997 and 1998, eastwards in 2008 and westwards again in 2009. The following trenches from east to west are included in Area 7: XLVIA–D, XLVIIA–B, XIX, XX, XXIIA–B, XXIII, XXXIXA–D, XLA–D, XLIA–B, XLVIIIA–D, XLIXA–B and LA–B. The total size of the opened area is approximately 725 square metres.³⁴

The excavations in Area 7 concentrated on Iron Age remains but portions of Late Bronze to Early Bronze Age remains were also unearthed (FISCHER 2006a, b; *idem*: 2008a; FISCHER and FELDBACHER 2009 and 2010; FISCHER 2010). The excavations in the following trenches did not really continue below the ear-

liest Iron Age levels (from east to west): XLVIA–D, XLVIIA–B, XXXIXA–D, XLVIIIA–D, XLIXA–B and LA–B. Test soundings were dug in the other trenches in order to verify earlier, viz. Late, Middle and Early Bronze Age, occupation.

On the surface numerous blocks of stones from collapsed structures were visible. These structures turned out to be of mainly Islamic and of late Iron Age date. The area also revealed an abundance of Islamic sherds on the surface and in the uppermost layers (see e.g. the report on the Islamic pottery in WALMSLEY 1995). The preliminary date of the Islamic pottery is 9th century, viz. Abbasid.

This conveniently flat area offered the possibility of overlooking a large sector of the Central Jordan Valley and areas far into the northern part of Cisjordan. It was used for defence and, later, for domestic structures. From the earlier part of Iron Age occupation in Area 7 there are two successive towers with somewhat different ground plans, followed by “four-room houses”, i.e. houses with two pairs of rooms which surround partly roofed courtyards in the subsequent phases of occupation. There is a workshop for the production of iron objects in the easternmost part of Area 7. The construction of the Iron Age buildings disturbed earlier occupation, viz. the Late, Middle and Early Bronze Ages, to a considerable depth. The

³⁴ The trenches with irregular northern outlines follow the natural course of the edge of the tell.

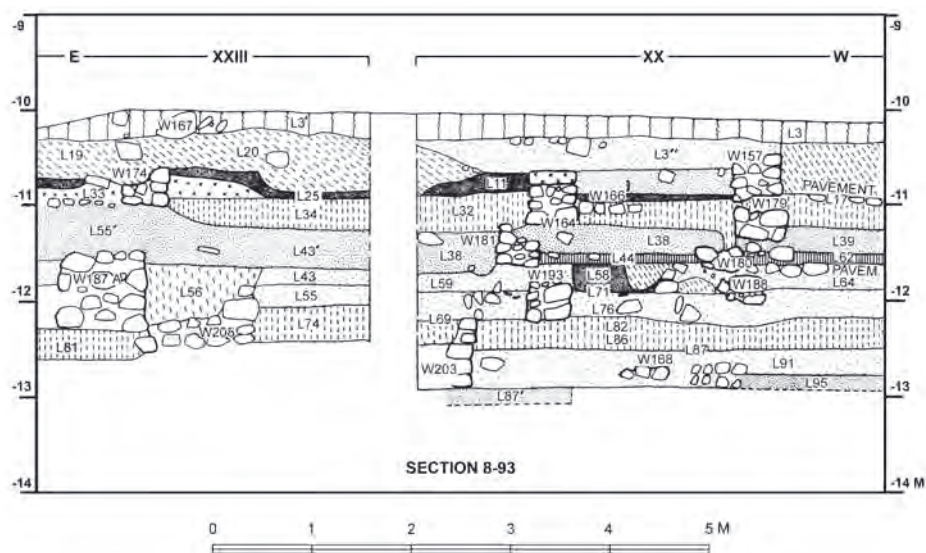


Fig. 132 Section 8-93. Area 7, south section Trenches XXIII and XX

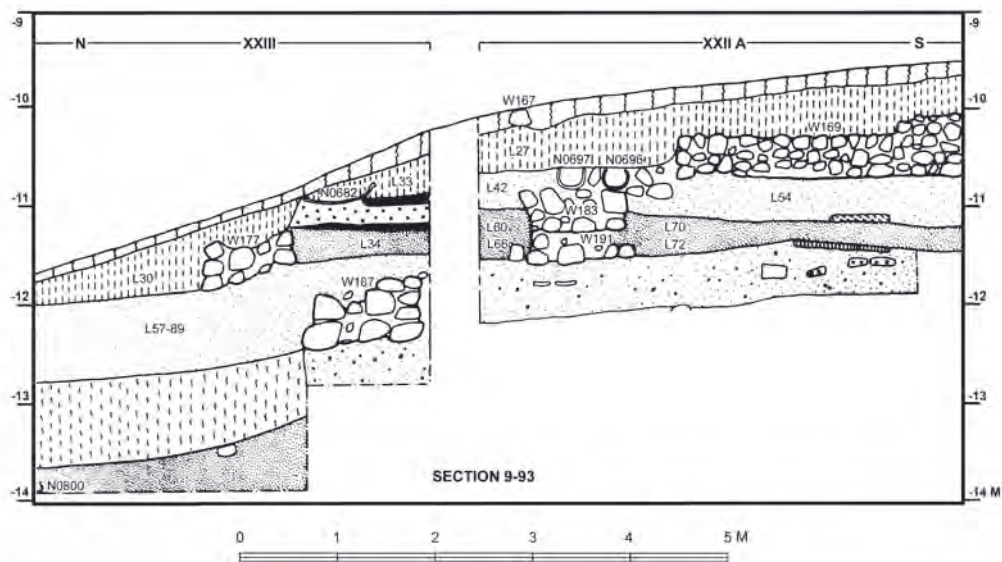


Fig. 133 Section 9-93. Area 7, east section Trenches XXIII and XXIIA

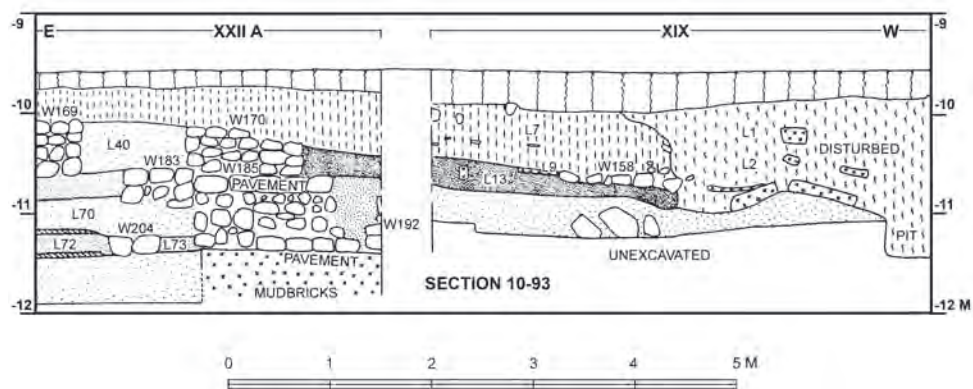


Fig. 134 Section 10-93. Area 7, south section Trenches XXIIA and XIX

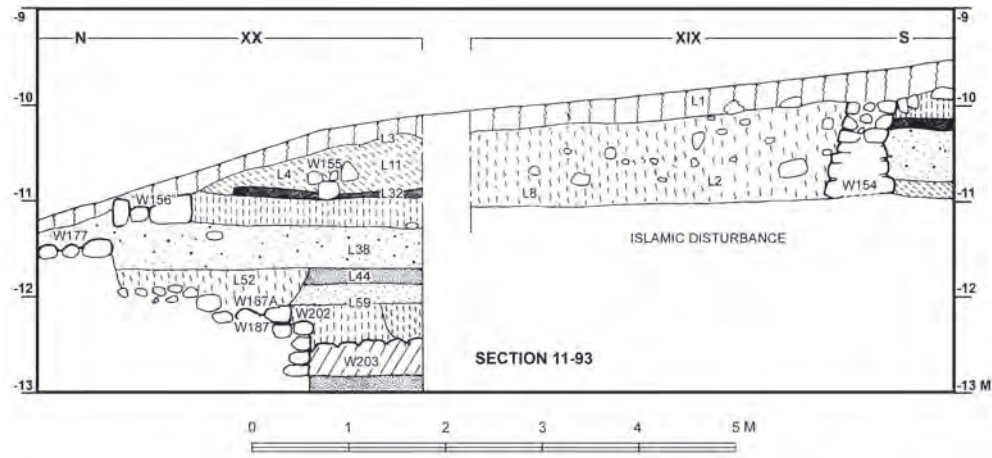


Fig. 135 Section 11-93. Area 7, east section Trenches XX and XIX

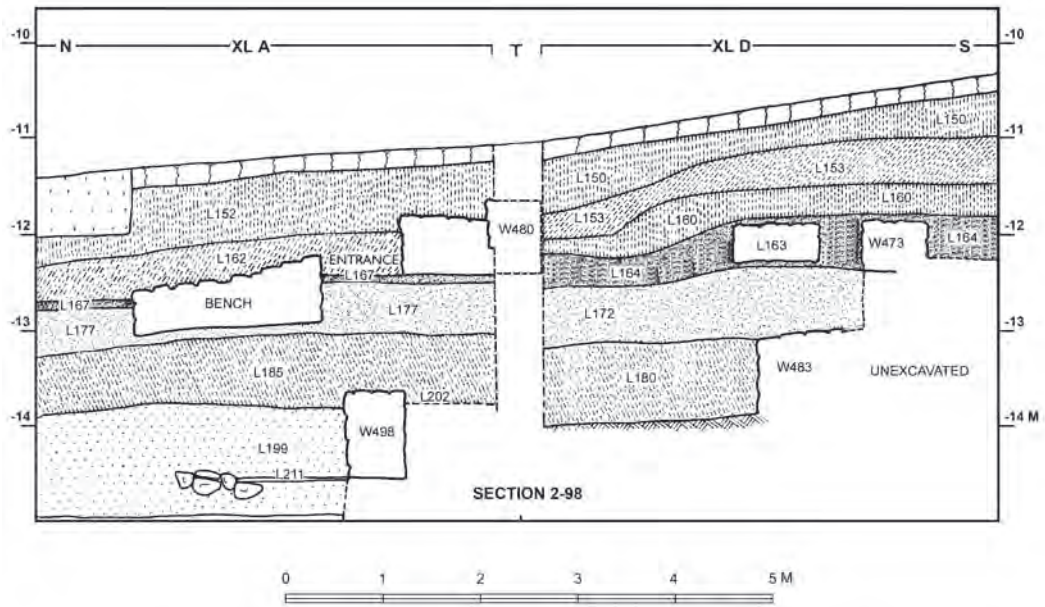


Fig. 137 Section 2-98. Area 7, east section Trenches XLA and D

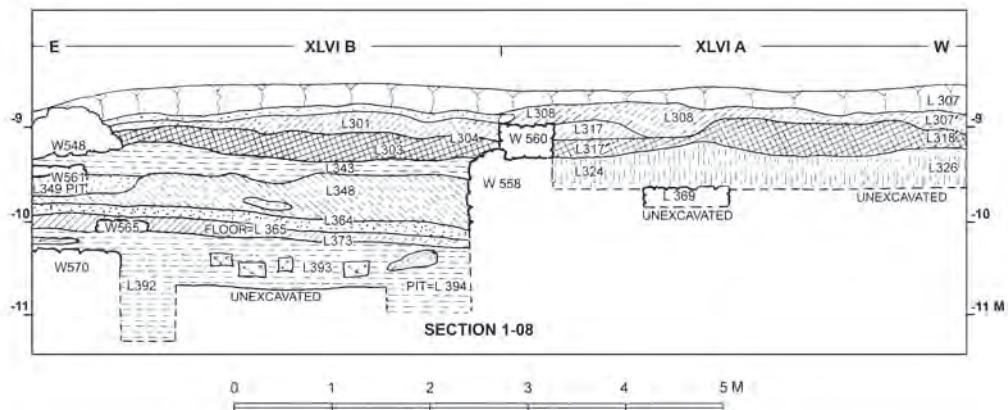


Fig. 138 Section 1-08. Area 7, south section Trenches XLVIB and A

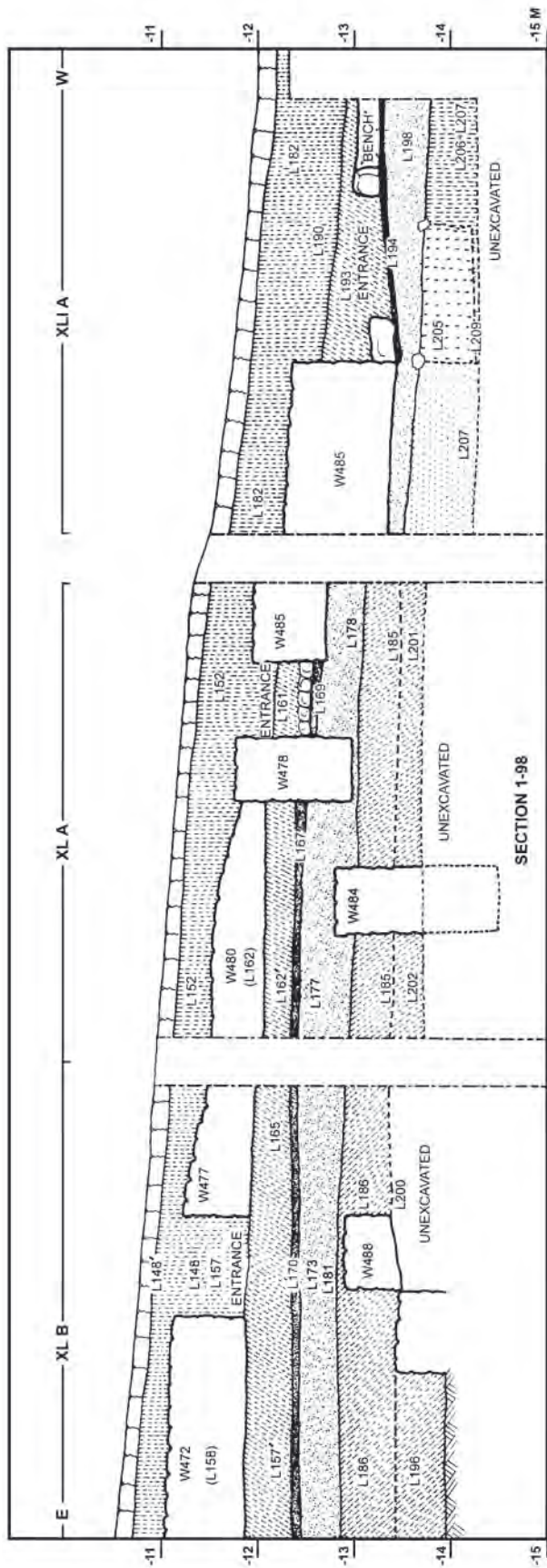


Fig. 136 Section 1-98. Area 7, south section Trenches XLB, XLA and XLI A

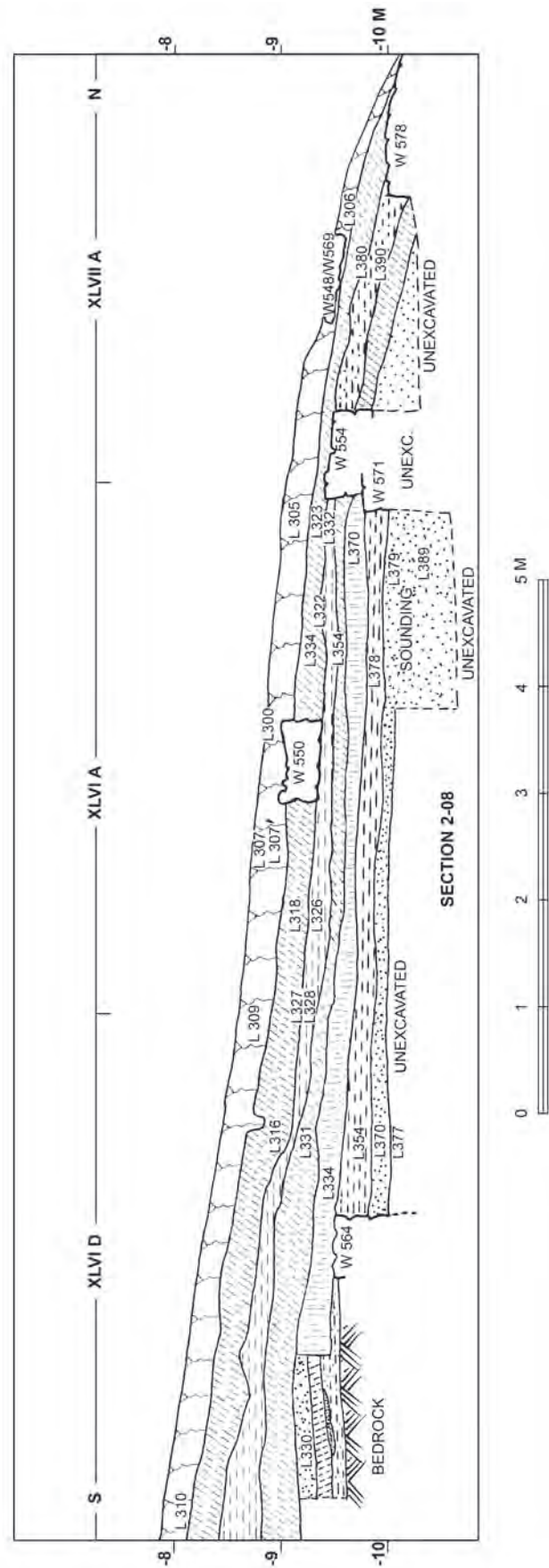


Fig. 139 Section 2-08. Area 7, west section Trenches XLVID, XLVIA and XLVII A

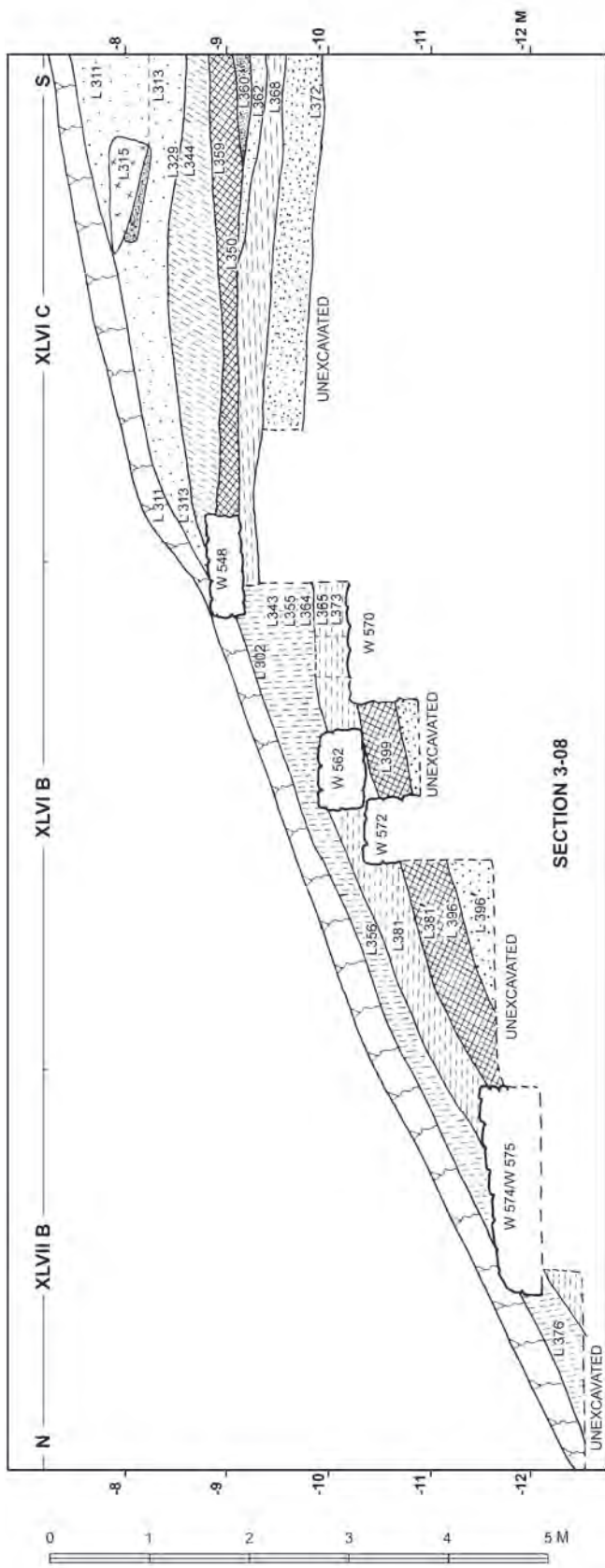


Fig. 140 Section 3-08. Area 7, east section Trenches XLVII B, XLVI B and C

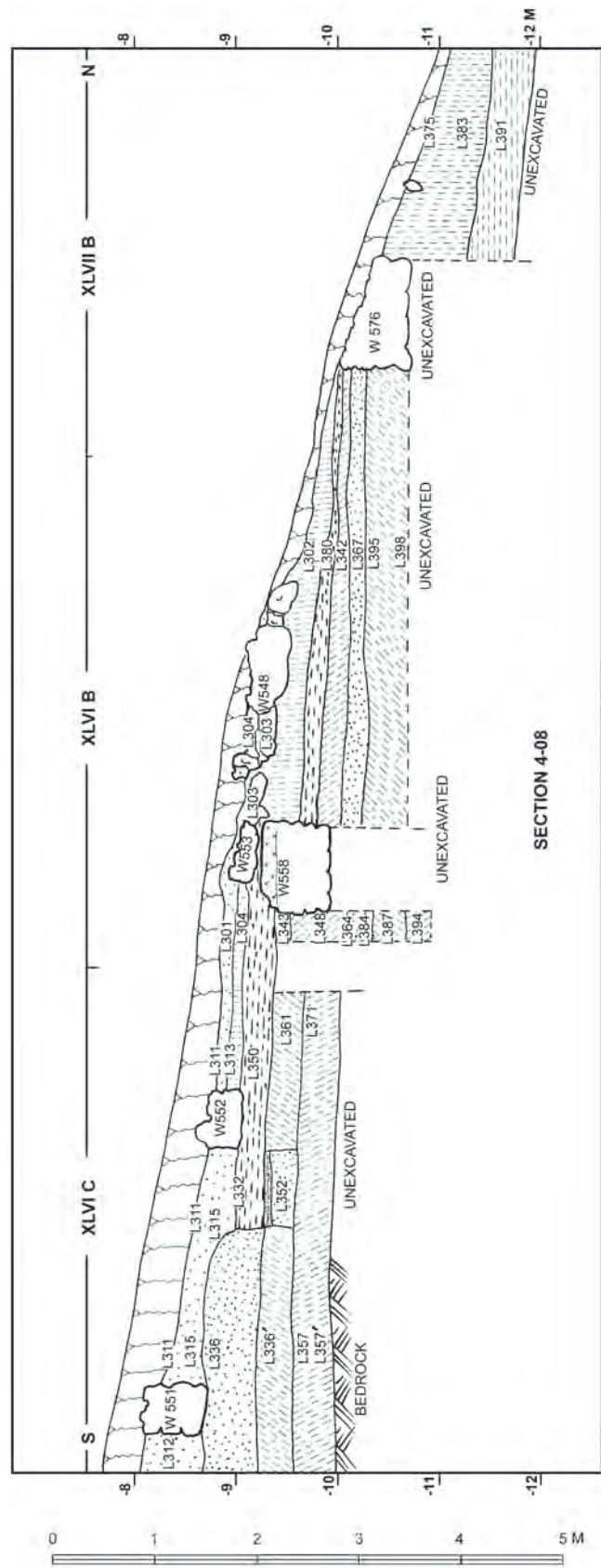


Fig. 141 Section 4-08. Area 7, west section Trenches XLVI C, XLVI B and XLVII B

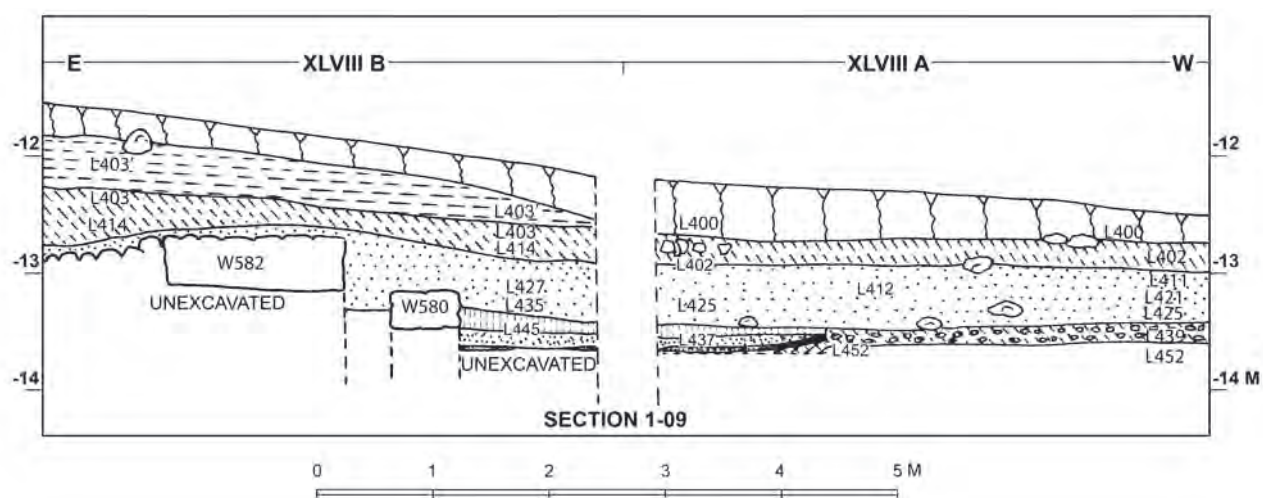


Fig. 142 Section 1-09. Area 7, south section Trenches XLVIII B and A

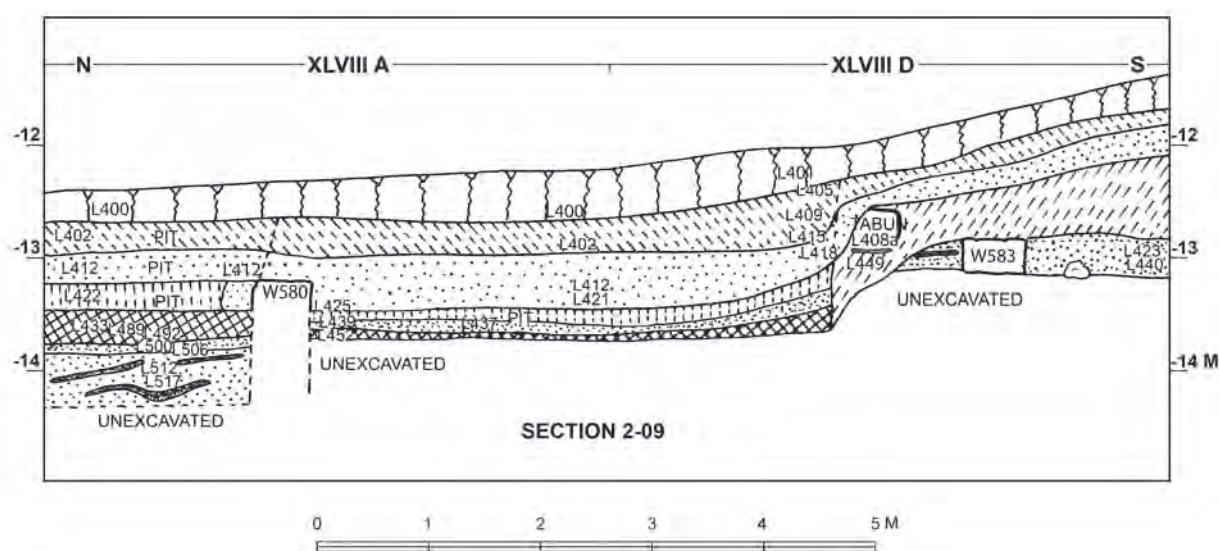


Fig. 143 Section 2-09. Area 7, east section Trenches XLVIII A and D

northern edge of the tell suffered also from erosion and possible earthquakes: remains of the northernmost settlement structures (and pottery) from all periods which once stood on the edge of the tell can now be found demolished and construction elements spread down the steep slope to the north. Nonetheless, many structures inside the city walls, i.e. to the south of the city wall, and especially those from the Iron Age, are remarkably well-preserved.

PHASE XI, AREA 7 (Figs. 144 and 145)

General remarks

It has been highlighted that the conveniently flat Area 7, from which large parts of the Jordan Valley can be controlled, was used significantly during the

Iron Age. Extensive building activities in this part of the tell created a number of stratigraphical problems as regards the second part of the Late Bronze Age, viz. Phases VI–VIII, and the earliest Iron Age remains in this area (cf. the remarks of FISCHER 2006a: 178–184) because earlier structures were used as quarries for building material. Therefore the interpretation of the scanty material remains from the oldest Iron Age occupation, here ascribed to Phase XI, should be treated with caution because of possible contamination with material from later Iron Age phases.

Architecture and features

The only remains which can be attributed with any certainty to Phase XI are from the eastern part of

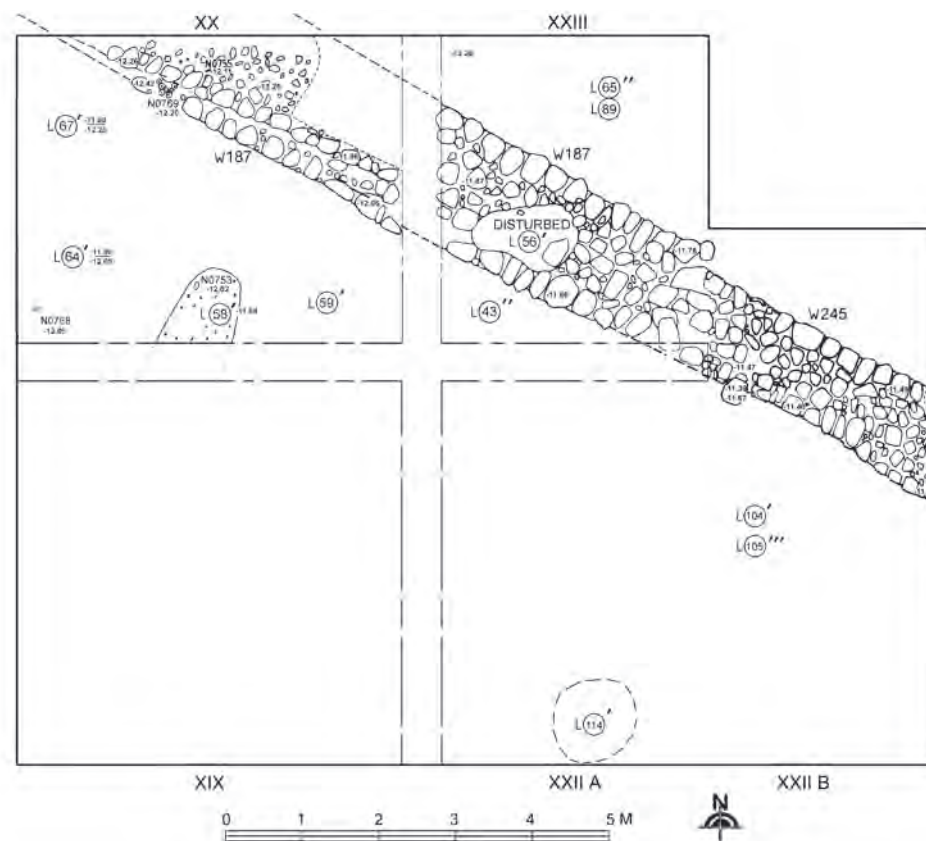


Fig. 144 Plan of Phase XI, Area 7 East

Area 7 in Trenches XIX, XX, XXIIA–B and XXIII. There are indications that the Late Bronze Age city wall (W187/245; see also FISCHER 2006a: 182, figs. 218 and 220) was reused during this phase. A beaten earth floor (L64', 67') was laid against W187, and a surface covered with clay (L58') belongs to this phase. On this floor eight loom weights (N769) and far to the south-west another one (N768), all of unfired clay, were discovered. The diameters of the first eight range from 7.1 to 8.3 (average 7.4 cm) and their heights from 4.2 to 5.2 (average 4.8 cm). The final single loom weight is smaller (d. 5.2 and H. 3.0 cm). The roughly centrally placed holes of the loom weights are approximately 0.9 cm in diameter. Parts of a bone shuttle were found on W187 (N755). There is a hearth in the southern part with parts of cooking pots preserved (L114').

Other features which are tentatively ascribed to this phase are: L43'', L59', L65'', L89, L104' and L105'''. W187/245 correspond to W570 (adjoining loci are L392 and L399) in Trench XLVIB in 2008.³⁵

Interpretation of the material evidence

The scanty remains from this phase allow only very limited conclusions. There was obviously a space which was used for the production of textiles, judging from the bone shuttle and the unfired clay loom weights, which are typical of the Iron Age loom weights at Tell Abu al-Kharaz and elsewhere. The find position of the shuttle above W187 can be interpreted in two ways: either that W187 and with the collapsed superstructures of clay (L58') were used as a founda-

³⁵ Some of the loci are not on the plan. They belong to trial soundings from the 1993 and 2008 seasons of excavations. There are, for instance, two loci which are from trial soundings and from which radiocarbon samples were taken: L38 is from the eastern part of Area 7 close to the city wall; this locus is ascribed to Phase IX. The other one is L39 also from the eastern part of Area 7; this locus is ascribed to Phase XI. Some loci are from mixed contexts, mainly Late

Bronze Age and Iron Age, for instance, L89 from outside the city wall (W187). W570 was exposed in a trial sounding at the very end of the season 2008 (not on plan). L392 and L399 belong to the oldest Iron Age phase in this spot. Below these loci Late Bronze Age remains start to show up. The pottery next to the wall is a mixture of Late Bronze Age and Iron Age sherds.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
187/245	1.75-2.0	0.7	3			reused LB city wall
570	1.75		x			partly exposed in trial sounding

Table 45 Description of the walls of Phase XI, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
39	floor?					trial trench, not on plan
43'	fill, o.d.	7	2 b, 1 j, 1 ja			
58'	clay surface, o.d.	37	N753 pf			reused LB installations
59'	fill, o.d.	39	6 ud			
64'	surface, posthole, o.d.	29	2 ud		N768	
65''	dump outside city wall, lower part	176	1 jl		N797	mixed up context
67'	surface, o.d.	31	-2 k, 9 ud		N755, N769... N771	
89	dump outside city wall, lower part		-3 cp, -4 cp			mixed up context
104'	fill, o.d.	7	11 ud			
105'''	surface, o.d.	12	8 ud			
392	test trench, associated with W570, south part	3	-2 cp, -3 sj, 1 b, 3 j, 1 sj, 4 cp, 57 ud			mixture LB/IA sherds
399	test trench, associated with W570, north part	22	2 b, 1 j, 35 ud		N1242, -2	mixture LB/IA sherds

Table 46 Description of the loci of Phase XI, Area 7

tion for a beaten earth floor and that the original wall bordering this space to the north has fallen down the steep slope because of earthquakes and erosion; or that the reused W187 limited the northern part of this space, and that the position of the bone shuttle upon this wall is the result of later disturbances. L58', which covers a layer with ash, most likely represents the remains of a superstructure of mudbrick belonging to the Late Bronze Age and destroyed in a fire. This surface was later levelled and used by the people of Phase XI as a floor. In general, the pottery is mainly a mixture of Late Bronze Age and early Iron Age sherds.

Legend for the illustrated pottery from Phase XI, Area 7 East

Fig.	Locus No.	Description
145:1	67' -2	Krater, medium-hard-fired, yellowish-brown fabric, medium-coarse, multicoloured inclusions, thick yellowish-white slip.
145:2	58' N753	Pilgrim flask, cup-mouth, hard-fired, brown fabric, medium-fine, yellowish-brown slip; incised decoration.
145:3	89 -4	Cooking pot, hard-fired, light reddish-brown fabric, greyish-brown core, mainly grey and white inclusions, self slip; finger indentions.
145:4	89 -3	Cooking pot, hard-fired, reddish-brown fabric, greyish-brown core, mainly grey and white inclusions, self slip.

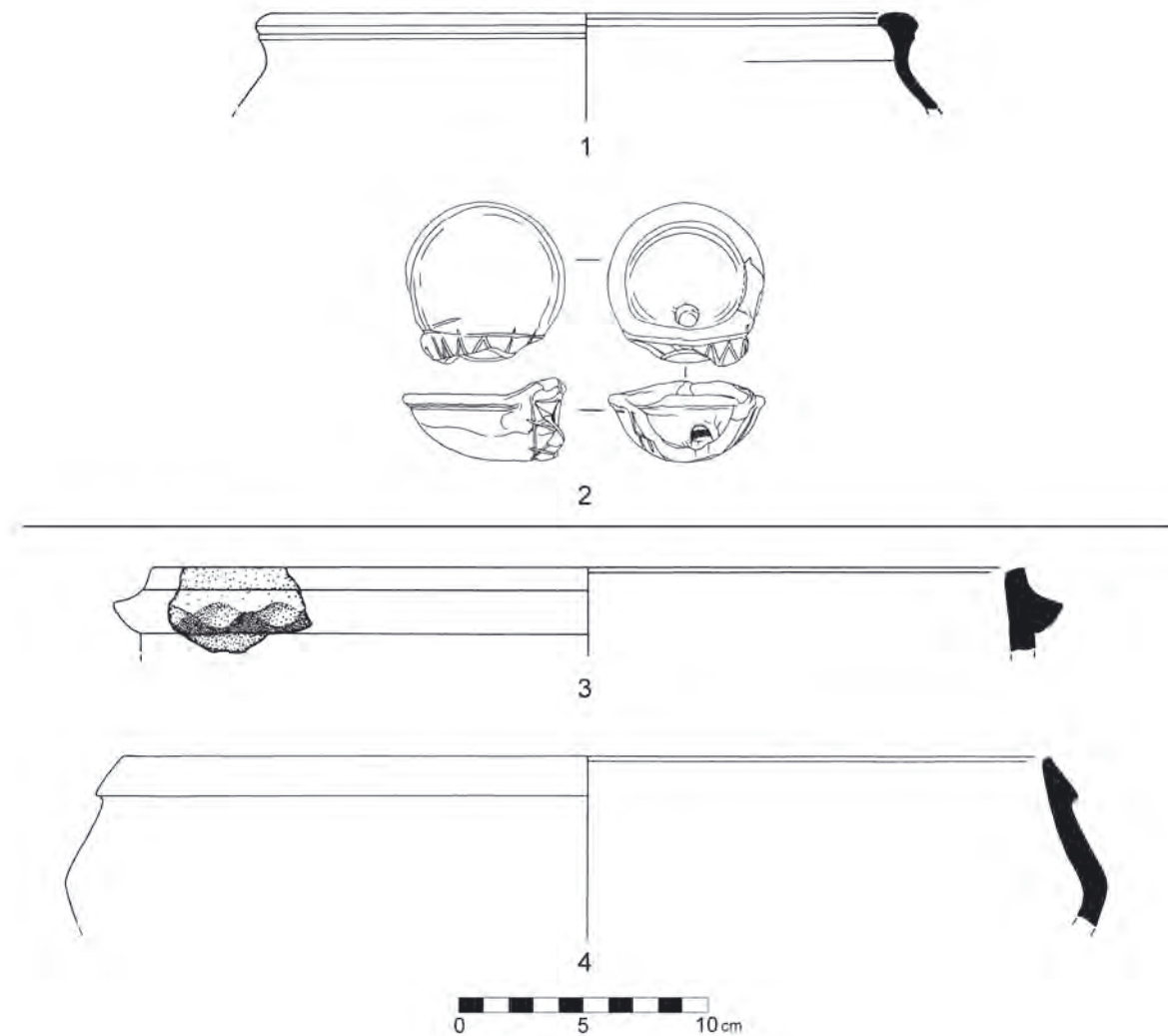


Fig. 145 Pottery from Phase XI, Area 7 East

Additional finds from Phase XI, Area 7 East (listed, not illustrated)

Locus No.	Description
64 ⁷ N768	Loom weight, unfired clay, d. 5.2, H 3.0, d. of hole 0.9 cm, 85 g.
65 ⁷ N797	Fibula, bronze, bow (d. 0.7 cm) and lock (d. 0.9 cm) preserved.
67 ⁷ N755	Shuttle, bone, broken, preserved L 5.8, W 2.2, Th 0.3 cm.
67 ⁷ N769	Loom weights (8), unfired clay; d./H/d. of hole: 7.4/5.2/0.9, 7.6/5.0/0.9, 7.1/4.6/0.8, 8.3/5.2/1.0, 7.2/4.5/1.1, 7.2/4.5/1.0, 7.6/4.9/1.0, 7.2/4.7/0.9 cm, Wt 290, 295, 280, 320, 285, 282, 290, 280 g.
67 ⁷ N770	Tripod bowl, basalt, only one leg and part of body preserved.
67 ⁷ N771	Bone styli, two fragments of two (?) different styli, points preserved, L 2.1/3.6, W 1.9/1.9 cm.
399 N1242	Millstone, basalt, convex on upper and flat on lower side, L 30.8, W 14.9, H 3.9 cm.

PHASE XII, AREA 7 EAST AND WEST (Figs. 146–156)

General remarks

There are two portions with architectural remains on the terrace of Area 7 which are ascribed to Phase XII: one is in the eastern part of Area 7, Trenches XIX, XX, XXII and XXIII, and the other is in the western part, Trenches XLA and B, and XLIA. These two portions are separated by a four-room house of Phase XIV in Trench XXXIX which cuts through the layer of Phase XII. It was decided to leave this later house with fairly intact architecture *in situ* and to consolidate and preserve its complete foundation walls. Consequently, there is no stratigraphic connection between these two portions.³⁶ Best preserved are the

³⁶ The synchronization of these two areas is mainly based on pottery.

remains of a structure which is interpreted as a tower in the eastern part and which was apparently destroyed in a conflagration, traces of which can be seen everywhere inside and outside the structure. There are only limited remains of architecture in the western portion. The latter, however, shows a number of surfaces/floors and a stone-paved room with fairly intact domestic contexts.

Architecture and features

In Area 7 East a partially preserved casemate system (W187A, 245, 253; L109) survives from the Late Bronze Age (cf. FISCHER 2006a: 183). Parts of it were reused as a foundation of and integrated into an almost square structure. This structure has the dimensions 7.6 m × 6.6 m. The north-western and eastern parts of the structure in Trenches XX, XXII and XXIII are fairly intact whereas the south-western part in Trench XIX suffered from a deep pit of Abbasid origin according to numerous Islamic sherds (cf. WALMSLEY 1995: 107). There is also a disturbance to the south-west of Walls 187A and 245 running from south-east to north-west alongside these walls. This disturbance (L43', 55'), which is most likely the foundation trench for W167 (Abbasid; not on plan), cuts through Phases XIV and XIII and also caused damage to the square structure of Phase XII.

The distance between the outer walls (W180/188, 191, 192), which were built against W187A, and the inner walls (W181, 189, 190) is 1.2 m to 1.4 m (L44, 60, 66). A sort of foundation deposit should be mentioned: built into the north-western wall (W188) a complete and intact one-handled mug was found (N773; Figs. 153 and 154). It was perfectly integrated within the wall and standing on a bed of clay. The space between the outer and inner walls is neatly stone-paved in the eastern part (L60, 66) but has a beaten earth floor in the western part (L44). Layers of ash cover this space, where a Phoenician two-handled jug was found (N754; Figs. 151:8 and 152). The central room, in which a jar stand was found along W181, is bordered by Walls 181, 189 and 190 and measures approximately 2.8 m × 2.8 m (L63). The mid-part of the wall to the north (W 187A) is possibly supported in the north-east by a projecting stone buttress. Ash-covered pavements are outside the square structure to the north-west (L62) and to the south-east (L107; additional loci of various surfaces: L70, 72, 105'', 108'; and a pit L73/120). There are the

remains of additional structures in the portion with the pavements at a distance of about 2 m to the north-west (W182) and south-east (W255) of the square structure. There is a stone-lined pit within the north-western pavement (L49). Loci 57', 61', 65' and 106 belong to a dump area outside the square structure to the north-east on the upper part of the steep slope. East of the structure and inside the city wall are several ceramic containers and small finds, amongst which are a Cypriote-imported Black-on-Red juglet (W258-3; Fig. 151:9)³⁷ and an arrowhead of iron (N772).

The structures in Area 7 West are not very well preserved. They include the north-south running W488' and the east-west running W498', which are both interrupted by entrances approximately 0.75 m wide (L173, 177, 178, 181, 185', 186). The corner of another paved structure (W501, 500; L204, 207), which differs from the previously mentioned walls in its orientation, is to the far west (the locus west of this structure is L206).³⁸ Installations include a circular stone-paved hearth and a clay trough. Many tools of stone were found, including mortars and millstones. Amongst the finds are juglets (N1105, N1108), loom weights of basalt (N1106, N1124), the blade of an iron dagger with a rivet preserved (N1107) and an excellently manufactured cosmetic palette of polished and decorated limestone (N1110; Figs. 156, 453:8 and 465:1; see also Appendix 3): An intense blue powder was found in some of the carved circular depressions.

Interpretation of the material evidence

It is difficult to decide how isolated this square structure in Area 7 East really was, considering the damage caused by later building activities. The most plausible interpretation of its function is that of a watch tower which was integrated into the city wall. The foundation of the city wall itself goes back to Phases IV–V, viz. late Middle and early Late Bronze Ages, but it was reconstructed and reused during Phase XI (cf. FISCHER 2006a: 182, fig. 220). The partly exposed and badly preserved W253 is the northern limit of the Late Bronze Age casemate system. The tower was destroyed in a conflagration, traces of which can be seen everywhere inside and outside the tower. Only the ground floor remains and therefore it is not possible to estimate the original height of the structure. The considerable amount of fallen stone around the structure suggests that there were probably several

³⁷ This juglet is a Cypriote import and not one of the usually locally made counterparts.

³⁸ Although the orientation of this structure differs from the one to the east, the general levels/stratigraphy suggest that it belongs to the same phase.

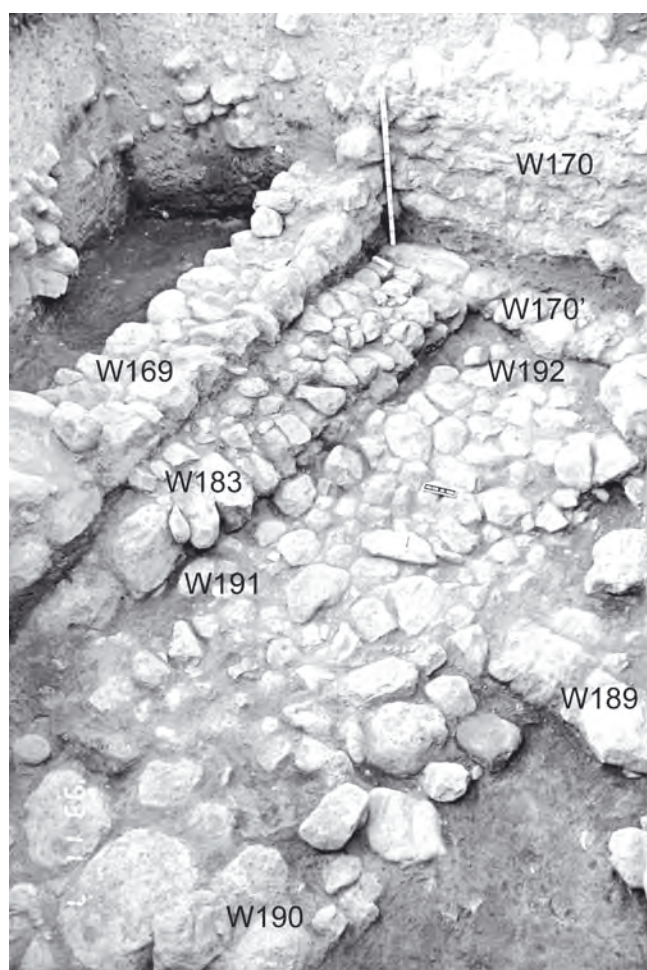


Fig. 148 Phase XII, Area 7: array of walls and stone pavement (see also Fig. 146)

limestone cosmetic palette with the preserved blue cosmetics is one of several from the site and shows a high level of craftsmanship (N1110; Figs. 156, 453:8 and 465:1; see also Appendix 3). It is not possible to assess if it was imported or manufactured at the site.

Legend for the illustrated pottery from Phase XII, Area 7

Fig.	Locus No.	Description
149:1	186 -2	Bowl, hard-fired, light brown fabric, grey core, medium-fine inclusions, yellow slip interior and exterior, wheel-burnished.
149:2	62 -2	Bowl, hard-fired, brown fabric, medium-fine inclusions, orangish-brown slip interior and exterior.
149:3	181 -3	Carinated bowl, medium-hard-fired, light reddish-brown fabric, thick grey core, multicoloured inclusions, yellowish-brown slip.
149:4	186 -4	Carinated bowl with small ledge handle, hard-fired, yellowish-brown fabric, medium-coarse inclusions, yellow slip, rim painted red on interior and brown on exterior.
149:5	66 -1	Bowl, hard-fired, yellowish-brown fabric, medium-coarse inclusions, red slip interior and exterior, wheel-burnished.
149:6	185' -4	Carinated bowl, medium-hard-fired, yellowish-brown fabric, medium-fine inclusions, light brown slip, wheel-burnished.
149:7	185' -1	Carinated bowl, medium-hard-fired, yellowish-brown fabric, medium-fine inclusions, light brown slip.

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
180/188	0.7-0.8	0.5	3			wall and bench
181	0.4-0.5	0.3	2			
182	0.5	0.5	2			
187A/245	2.0	0.7	3			city wall
189	0.4	0.3	2			
190	0.5	0.3	2			
191	0.5	0.4	2			
192	0.5	0.4	2			
488'	0.8	0.4	2			
498'	0.6-0.7	0.8	4			
500	0.5	0.7	3			
501	0.5	0.4	2			

Table 47 Description of the walls of Phase XII, Area 7

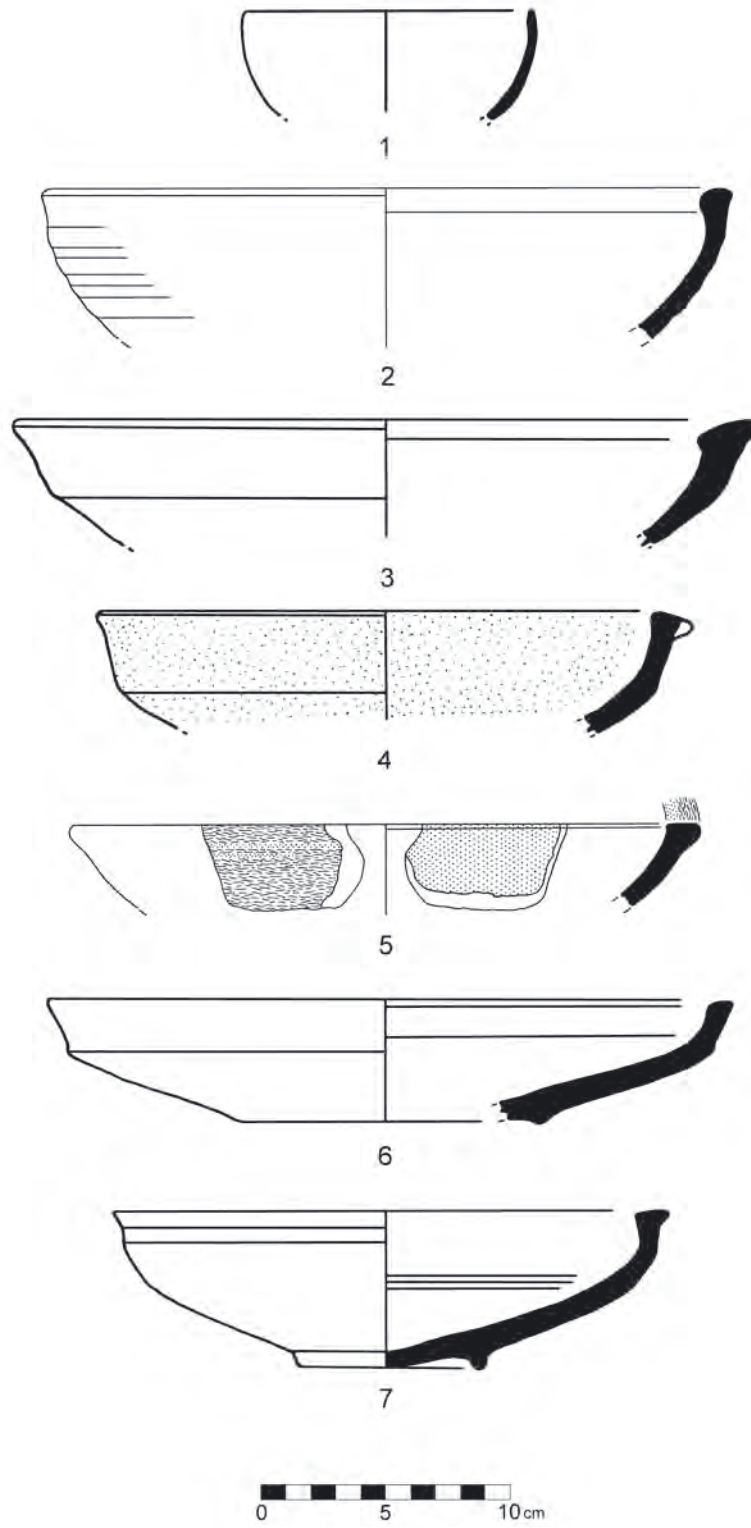


Fig. 149 Pottery from Phase XII, Area 7

Locus no.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
43'	floor, ash (upper part)	6	2 b, 1 j, 1 ja, 1 sj			partly disturbed
44	floor, beaten earth	13	-1 k, -2 cp, 1 dt, 1 ja, 66 ud			
49	pit, d. 0.4, stone-lined, posthole?	32	3 b, 2 ja, 1 cp, 1 dec bs, 46 ud			
52'	levelled stone wall	51	1 b, 1 cb, 1 jl, 1 tri, 30 ud	1		partly disturbed
55'	floor, ash (lower part)	79	-1 cp		N748	partly disturbed
57'	dump outside building	37	1 b, 5 ud			
60	stone pavement	65	N754 Phoen j, 4 b, 1 k, 1 sj, 1 l, 60 ud		N752	
61'	dump outside building					mainly soil, ash
62	pavement	30	-1 cp, -2 b, -3 basin, 4 b, 1 ja, 1 cp, 58 ud			
63	floor, clay, some ash	16	1 k, 5 ud			
65'	dump outside building, upper part	141	-1 cp, -2 k, -3 k, 2 b, 2 j, 1 jl, 2 cp, 85 ud			mixed up
66	stone pavement (see also L60)	12	-1 b, 1 b, 1 ja, 1 sj, 1 cp, 10 ud			
70	floor, beaten earth	23			N772	mainly LB
72	floor, pebbles	36				mainly LB
73	pit, upper part, d. c. 1.2 (see L120)					mainly soil, ash
105"	soil surface	124	W258-2 cp, -1 k, -2 k, -3 b, 12 b, 5 k, 3 j, 7 jl, 5 sj, 1 ja, 27 cp, 16 h, 348 ud		N903	
106	dump outside building	7	1 b, 1 jl, 18 ud			
107	stone pavement	51	-1 cp, -2 dt, 6 b, 5 jl, 4 ja, 1 sj, 1 l, 3 h, 27 ud			
108'	soil surface	20	W258-3 BoR jl, -1 cp, -2 cp, -4 cp, 5 b, 3 j, 2 ja, 3 sj, 1 cp, 1 CG, 197 ud		N919	
109	former casemate system	10	4 b, 1 dt, 2 ja, 1 cp, 2 sj, 2 h, 82 ud			
120	pit, lower part (see L73)		-1 cp, -2 k, -3 k			
173	fill, ash, o.d.	2	6 b, 2 j, 2 jl, 4 sj, 2 cp, 1 l, 80 ud			
177	fill, ash, partly clay, o.d.	28	-1 j, -2 jl, 6 b, 1 k, 8 j, 1 jl, 1 ja, 5 sj, 1 l, 13 cp, 307 ud			
178	fill, ash, partly clay, o.d.		1 b, 15 sj, 2 tri, 1 cp, 18 ud			
181	ash, collapsed roof, o.d.	29	N1105 jl, -1 k, -2 b, -3 cb, 16 b, 6 j, 6 jl, 8 sj, 5 cp, 265 ud		N1106	
185'	ash, floor, o.d.		N1108 jl, -1 cb, -2 mug, -3 jl, -4 cb, 24 b, 8 k, 18 j, 5 jl, 34 sj, 1 l, 6 cp, 541 ud		N1110	
186	ash, floor, o.d.	209	-1 jl, -2 b, -3 j, -4 cb, 45 b, 6 cb, 7 k, 8 j, 31 sj, 1 tri, 11 cp, 1 CG, 599 ud		N1107	
200	ash, floor, o.d.					unexcavated
201	ash, floor, o.d.					unexcavated
202	ash, floor, o.d.					unexcavated
204	stone pavement, o.d.					

Table 48 Description of the loci of Phase XII, Area 7

Locus no.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
205	stone-lined pit cut into L206, d. 1.5					mainly soil, ash
206	hard surface, o.d.		1 ja		N1124	
207	hard surface, o.d.	15	-1 cp, -2 h fenestrated vessel, 19 b, 4 k, 6 j, 4 ja, 12 sj, 1 l, 8 cp, 235 ud			
upon W187A	stone foundation of wall	5				pottery in wall
in W187A	stone foundation of wall	36				pottery in wall
in W188			N773 mug			pottery in wall
in W191	stone foundation of wall	51				most LB, a few EB, no IA

Table 48 continued Description of the loci of Phase XII, Area 7

Legend for the illustrated pottery from Phase XII, Area 7

Fig.	Locus No.	Description
150:1	105" -1	Krater, hard-fired, red fabric, light brownish-grey core, medium coarse, mainly grey and white inclusions, self slip.
150:2	120 -3	Krater, hard-fired, brown fabric, medium-coarse, light brown slip.
150:3	44 -1	Krater, hard-fired, light brown fabric, dark grey core, medium coarse, mainly white inclusions, red slip interior and exterior, wheel-burnished.
150:4	105" -2	Krater, hard-fired, light brown fabric, medium-fine, yellowish-grey slip.
150:5	120 -2	Krater, hard-fired, light brown fabric, thin light grey core, medium-fine, yellowish-grey slip, brown decoration.
150:6	181 -1	Krater, hard-fired, light brown fabric, thick grey core, coarse, mainly grey inclusions, yellow slip, red paint; herring bone incisions.

Legend for the illustrated pottery from Phase XII, Area 7

Fig.	Locus No.	Description
151:1	181 N1105	Juglet, medium-hard-fired, light brown fabric, medium-fine, self slip, wheel-burnished; ribbed pattern on exterior.
151:2	185' -3	Juglet, hard-fired, yellowish-brown fabric, coarse with black and white inclusions, yellow slip, red paint.

151:3	186 -3	Jug, hard-fired, brown fabric, coarse with mainly grey inclusions, yellow slip, red and brown paint.
151:4	177 -1	Jug, hard-fired, light grey fabric, medium-fine, light brown slip.
151:5	185' -2	Mug, hard-fired, yellowish-brown fabric, coarse with mainly black and white inclusions, yellow slip, red paint.
151:6	W188 N773	Mug, hard-fired, light reddish-brown fabric, medium-coarse, red wash interior and exterior.
151:7	207 -2	Handle of fenestrated vessel (?), hand-made, hard-fired, light pinkish-brown fabric, coarse, multicoloured inclusions, dark red slip, burnished; four impressed lines.
151:8	60 N754	Phoenician jug, medium-hard-fired, light brown fabric, medium-fine, multicoloured inclusions, light orangish-brown slip, burnished, bichrome decoration in red and black.
151:9	108' W258-3	Cypriote Black-on-Red juglet, hard-fired, reddish-yellow fabric, fine, yellow slip on interior, light brown slip on exterior, very dark brownish-black decoration. Comment: the vessel is not an imitation but genuine Cypriote-imported ware.
151:10	60 N752	Spindle whorl, basalt, Wt 46 g.

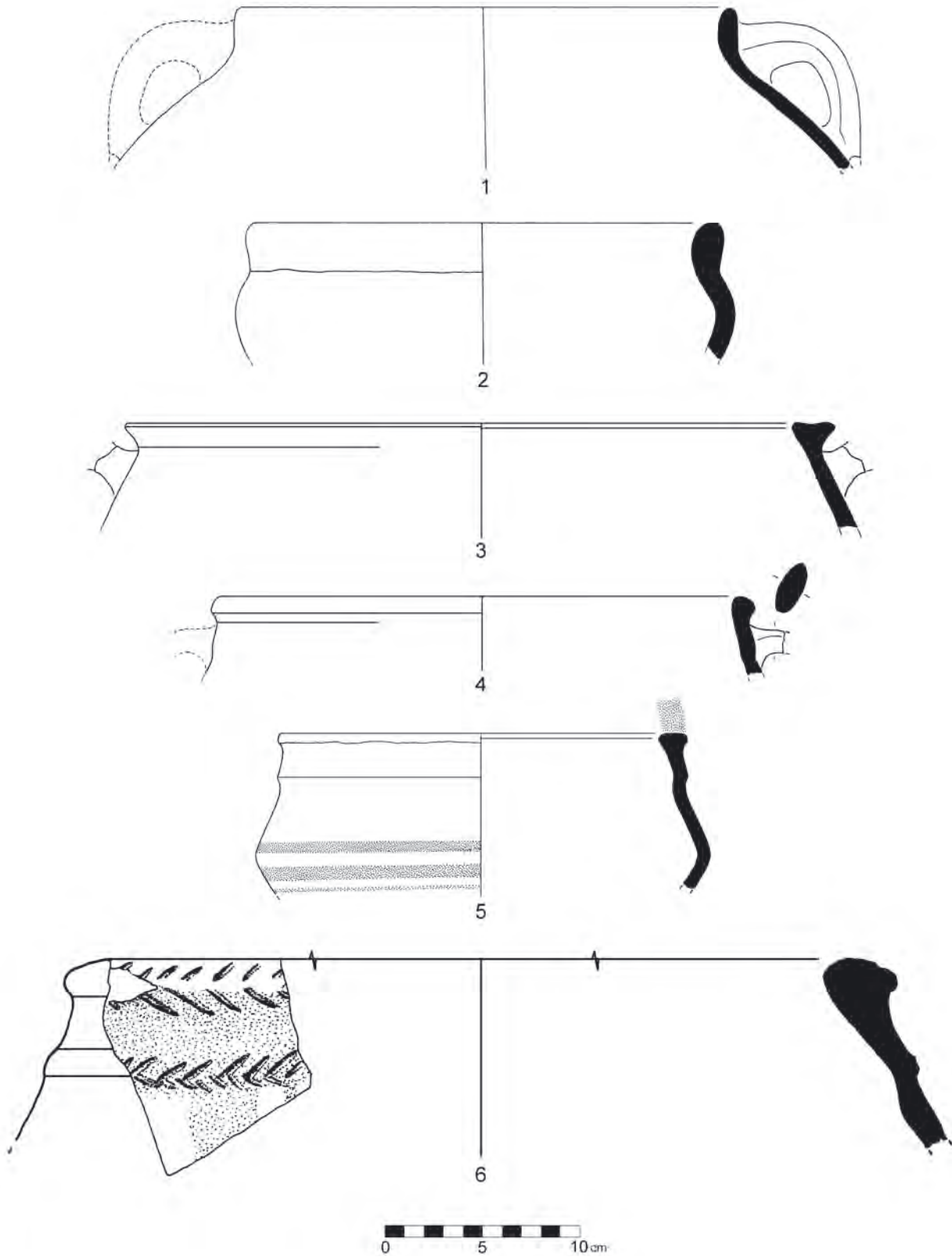


Fig. 150 Pottery from Phase XII, Area 7

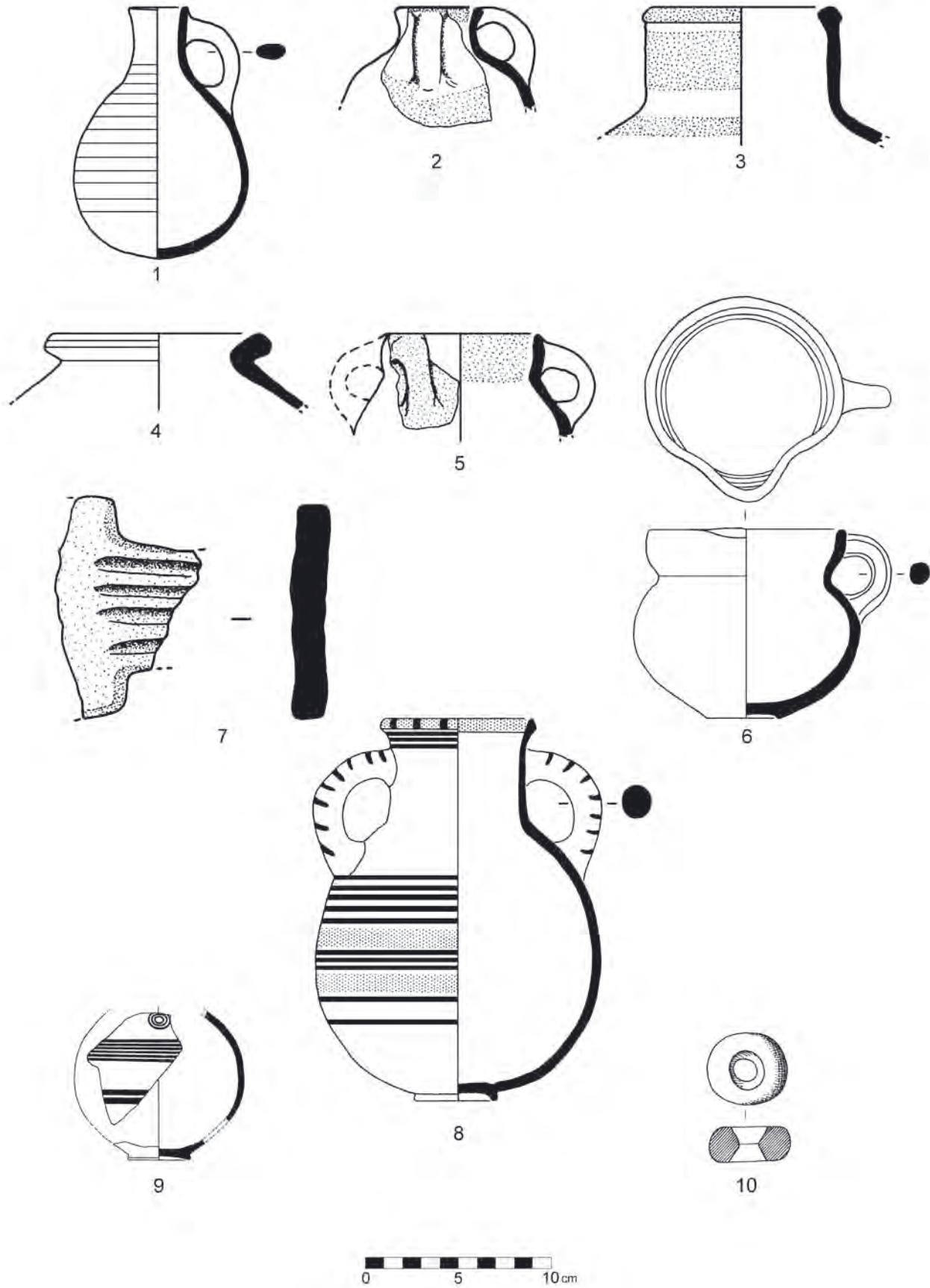


Fig. 151 Pottery from Phase XII, Area 7



Fig. 152 Phoenician-type jug from Phase XII, Area 7 East (N754)



Fig. 154 Mug from Phase XII, Area 7 East (N773)



Fig. 153 Mug incorporated in W188 from Phase XII, Area 7 East (N773)

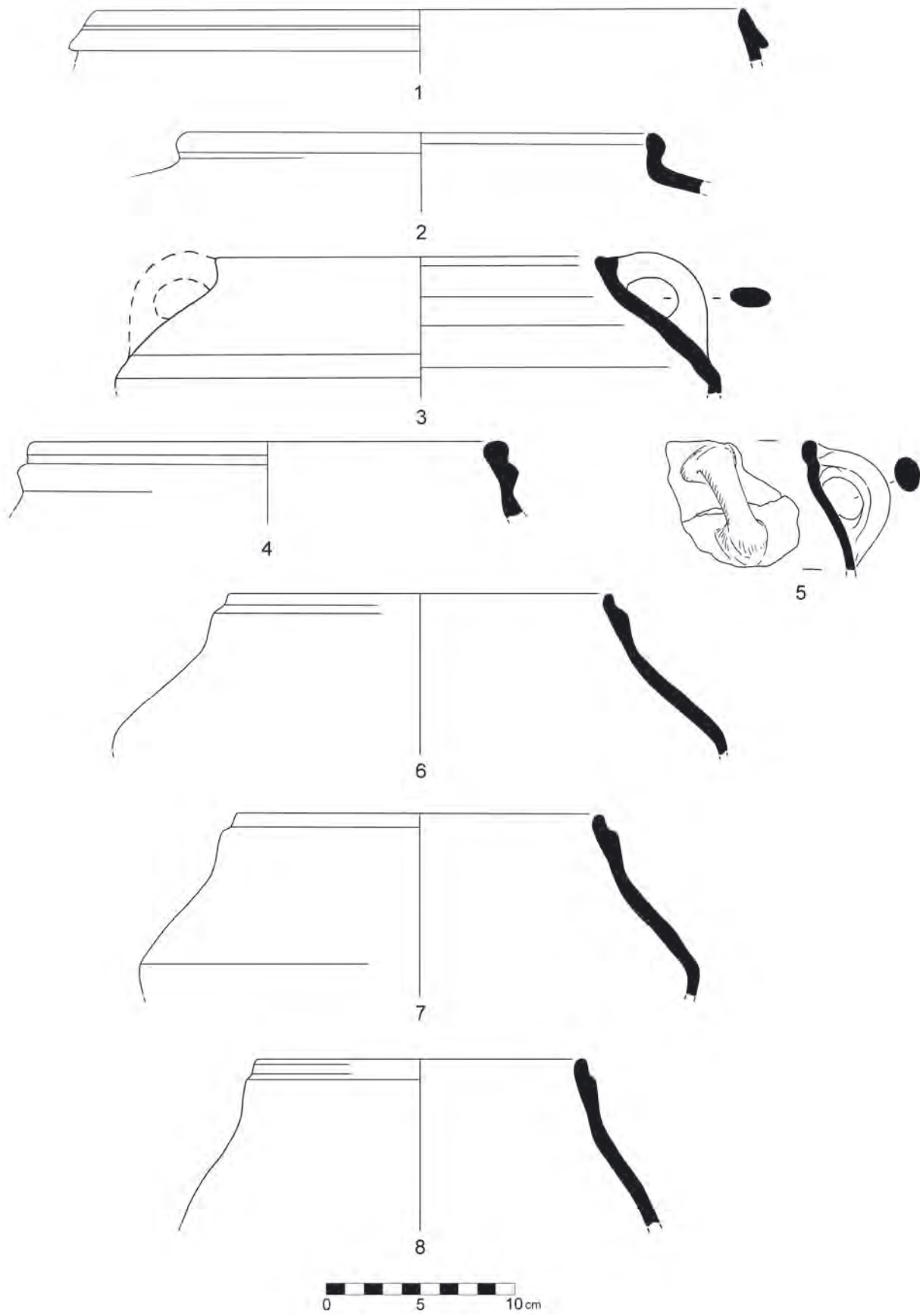


Fig. 155 Pottery from Phase XII, Area 7

Legend for the illustrated pottery from Phase XII, Area 7

Fig.	Locus No.	Description
155:1	105 ^b W258-2	Cooking pot, hard-fired, reddish-brown fabric, medium-coarse, mainly black inclusions, self slip; double-incision on exterior of rim.
155:2	44 -2	Cooking pot, medium-hard-fired, dark brown fabric, dark grey core, large white inclusions, self slip.
155:3	207 -1	Cooking pot, hard-fired, brown fabric, coarse, mainly black inclusions, self slip.

155:4	55 ^c -1	Cooking pot, very hard-fired, reddish-brown fabric, grey core, mainly white and grey inclusions, self slip.
155:5	65 ^d -1	Cooking pot, medium-hard-fired, reddish-brown fabric, grey core, mainly white and grey inclusions, self slip.
155:6	108 ^e -4	Cooking pot, hard-fired, reddish-brown to dark greyish-brown fabric, coarse, large white and grey inclusions, self slip.
155:7	108 ^f -1	Cooking pot, hard-fired, brownish-red fabric, brown core, medium-coarse, large grey inclusions, self slip.
155:8	108 ^g -2	Cooking pot, hard-fired, dark brown fabric, black core, medium-coarse, large white inclusions, self slip.

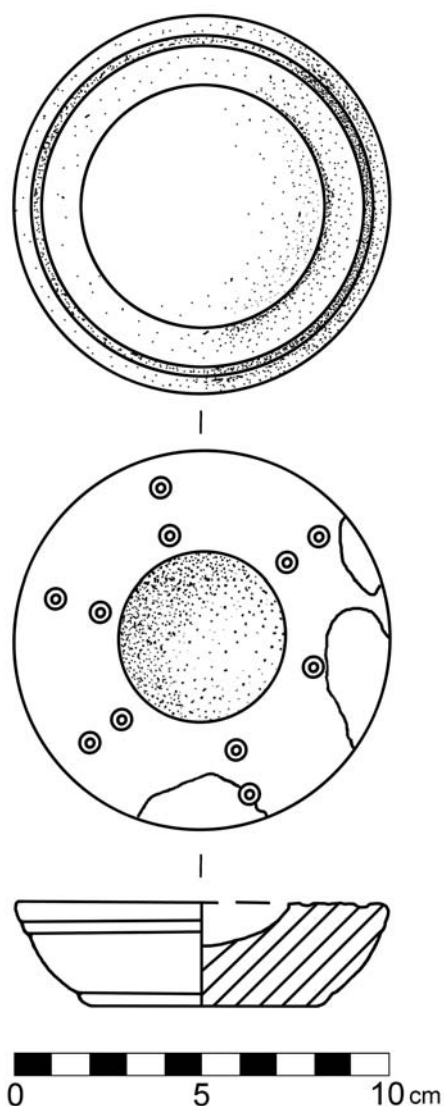


Fig. 156 Cosmetic palette from Phase XII, Area 7

Fig.	Locus No.	Description
156	L185 ^h N1110	Cosmetic palette, limestone, polished and decorated, traces of blue paste in depressions.

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

Locus No.	Description
55 ^c N748	Spindle whorl, limestone, d. 3.5, Th 1.5, d. of hole 0.7 cm, Wt 49 g.
70 N772	Arrowhead, iron, L 9, W 1.5, Th 0.6 cm.
105 ^b N903	(Toggle) pin, bronze, broken, L 7.8, d. 0.5 cm.
108 ^e N919	Object, bronze, two pieces, quite shapeless, much corroded.
181 N1106	Spindle whorl, basalt, d. 3, Th 1, d. of hole 1 cm, Wt 39 g.
185 ^d N1108	Juglet, hard-fired, baggy-type with one handle from rim to shoulder, light brown fabric, medium-fine, a few white inclusions, yellowish-red slip, vertically burnished.
186 N1107	Knife/dagger, iron, one rivet preserved, L 10.4, W 3, Th 1.1 cm.
206 N1124	Loom weight, basalt, d. 4.2, H 1.2, d. of hole 1.3 cm, Wt 42 g.
W17739 N749	Pestle, stone, H 4.9, d. 5.2 cm.

PHASE XIII (Figs. 157–181)

General remarks

This phase is better preserved than the previous one and produced many well-constructed structures and *in situ* find assemblages which contain numerous intact or complete earthenware vessels and other objects, one of which is so far unique (see the cosmetic palette of alabaster N1314 below). Phase XIII seems

³⁹ W177 belongs to Phase XIII but the position of pestle N749 inside the wall foundation points to an older date, here ascribed to Phase XII.

to have come to a violent end, judging from substantial remains of burnt down wooden structures especially visible in the western portions of the area. There are again two portions with architectural remains from this phase, separated by a break in the structures where the phase could not be demonstrated with any confidence: one portion is in the east, Trenches XIX, XX, XXII and XXIII (Fig. 157), and the other is in the west, Trenches XLA, B and D, XLIA, XLVI-IIA–D, XLIXA–B and LA–B (Fig. 158). The structures of another tower to the east and a domestic compound to the west are well-preserved, however. There is a cistern in Trench XLD. Many structures from this phase were used in the next phase (Phase XIV).

Architecture and features

A square structure is built in Area 7 East upon the destroyed tower of Phase XII (W179/180, 177, 186, 183, 170'; L32', 38, 34, 34', 50, 51, 53). This new structure is almost identical in plan with the previous tower but it is larger. It is orientated more towards the north, i.e. it is turned somewhat anticlockwise and built against a wall with a supporting buttress to the north, which is constructed upon the remains of the casemate system from the Late Bronze Age, which in turn was reused during Phase XII. The new square building is 8 m × 8 m (reconstructed). One entrance, with a threshold of mudbricks, 0.7 m wide, is between the city wall W177 and W179/180 in the north-west. There may be another entrance in the north-east. In Trench XXIII the south-eastern corner of the tower is quite intact. Its foundation is constructed as follows: the distance between the outer wall, 0.5 m wide, and the inner wall, 0.4 m wide, is 1.6 m. The space in between is stone-paved, but leaving a 0.4 m wide "gutter", which was used for drainage. The central room is square, with a side length of 4 m. There is a disturbance for about 1 m along the inside of W177, which is most likely the foundation trench for W167 from post-Iron Age times (see above): it cuts through the Phases XIV, XIII and XII. L30' is a mixed context of a dump area to the north of the city wall, whereas L28, 39, 54, 102, 103, 104" and 13 are contemporaneous find spots outside the square building.

In Area 7 West there are two structures. The ground plan of the more westerly building differs from that of the other houses in not being of the four-room type. It is surrounded by walls W601, 600/599/580, 614 and 611, and is approximately 10 m (east-west) by

7.2 m (north-south) in ground plan. The widths of the wall vary between 0.5 and 0.8 m. The complex contains three rooms separated from each other by W598 and W586, both approximately 0.6 m wide. The mud-brick superstructure of some of the stone-based walls is still in a good state of preservation (W601 and 598). The space to the west is 1.6 m wide and is partly stone-paved (L505, 515, 519). It contained, in addition to many small finds, including a lamp (N1317), five arrowheads of iron (N1320) and a fishing hook of bronze (N1303), two large storage jars (N1306, N1306' with contents of more than 100 litres each; one in Fig. 174:1), a large millstone and a rectangular clay trough. The next room to the east, centrally placed and 4 m wide, was most likely roofed in its eastern half. The western, open, part (L507, 513, 518, 520) contained a *tabun* (L509') and a hearth (L509), and several tools, including spindle whorls of limestone and fired clay, working tools of stone and bone, and a bronze earring with a knob (N1305). The eastern, roofed part (L432, 447), contained tools of limestone and basalt, for instance a mortar, a pestle and a polisher. There are also a tripod of basalt (N1309), another arrowhead and unfired clay loom weights. Jewellery includes three carnelian beads (N1269), a fibula of iron (N1268) and an extraordinary find: an intact cosmetic palette of alabaster (N1314; Figs. 179:1, 453:9 and 465:2; see also Appendix 3). Excellently manufactured and decorated with incised circles, it still contained the remains of the cosmetics last used: one is of an intense light-blue pigment, and the other of lilac colour.⁴⁰

The third space farther east is 2.5 m wide to the south and narrows to 1.25 m to the north, obviously adapting to the topography of the tell (L503, 433, 506, 512). This space is divided into two small portions by W609 which leaves a 0.5 m wide corridor towards the northern room, which contained a stone-paved bench in its north-eastern corner ("W610"; L514). The bench was most likely used as a working table for the preparation of food in connection with the two *tawa-been* (L506', 512'), with a mortar between them, and the hearth (L503') in the southern room. There is a 0.8 m wide exit from the southern room, from which a partly roofed and stone-paved backyard could be reached.

The backyard to the south of this compound contained three stone pillar supports, positioned in line halfway between the southern house wall and the terrace-retaining wall towards the south, a distance of approximately 4.2 m (L425, 439, 452, 484, 493, 457,

⁴⁰ Analysis of the cosmetics is forthcoming.

459, 465, 469, 456, 473, 477, 478, 499). This backyard was one of the most rewarding find spots in Area 7: in addition to another, quite large, stone-paved “*tabun*” (L453) there were several complete earthenware vessels: a carinated bowl (N1290), a crater (N1275), a pilgrim flask (N1272; Figs. 170:9 and 172), jugs and juglets, a jar (N1273) a cooking pot (N1276), the latter including a Black Juglet (N1277), and a tripod bowl (N1279). A carinated, red-slipped, Assyrian-style bowl should be mentioned. Other finds were a millstone and a bronze/iron fibula (N1283). A large pit is in the eastern part of the courtyard (L437, 445, 458) another smaller pit is in the west (L497). To the south of terrace-retaining W593 and on a higher level is a stone-lined hearth (L482, d. 0.6 m) and next to it a clay-lined recessed container (L479, d. 0.3 m) and several loom weights of unfired clay. To the east of the courtyard is another walled and stone-paved space, the function of which is not clear (L446). It is surrounded by the 0.5–0.6 m wide W588/585', 589 and 582 and partly paved, but devoid of any finds of interest.

There is an open space between the two exposed houses (L489, 492, 500, 506, 512, 516, 517). An interesting find from there is a handle of a storage jar with a rectangular seal impression (L516-6; see Figs. 174:6, 466:5 and Appendix 4). The next house lies approximately 2 m to the east of the former. It is difficult to determine the “outer” walls of this structure because it seems to be built together with the next structure to the west in that W478' is shared with the next building or that W478' in fact is an outer wall and the space to the east is between two buildings. This would give the house a width of approximately 12 m. The “outer” walls, 0.5–0.7 m wide, are W595', 587', 588/585', 485' and 478'. Two dividing walls, W602 and 487', created three spaces, of which the central one is a courtyard. The western room (L487, 488, 490), 1.7 m wide, which in this stratum is stone-paved, could be entered from the west via an entrance approximately 0.8 m wide, where a door socket was found.

The courtyard, 5 m wide, has a 1 m wide entrance from the south (L193, 194, 502). Courtyard installations are two stone/clay-built benches flanking the southern entrance, and a large clay container attached to wall 487'. The courtyard produced numerous finds: a centrally placed concentration of 110 unfired spherical or donut-shaped loom weights (see photograph in Fig. 181) together with a shuttle of bone, a complete tripod bowl of basalt (N1284, Figs. 160:3, 161 and 458:9), a Phoenician-style jug (N1285; Figs. 170:5 and 171), a millstone (N1113), a storage jar (N1114), a spouted juglet (N1115; Figs. 165:1 and 166), another

juglet (N1117), a strainer-jug (N1118), a jug with three handles and a false spout (N1119; Figs. 168:1, 169 and 458:1), a juglet with a wide mouth and four horizontally placed lug handles (N1109; Figs. 165:7 and 166), a cooking pot (N1122), a lamp (N1116; Figs. 177:8 and 178) and two spindle whorls (N1120, N1121). East of the courtyard is another space (L161', 169, 192', 198), with another entrance from the south. It contains a stone-paved hearth, tools of stone including a mortar and pestle, pottery and additional loom weights of unfired clay. Amongst the pottery are a cooking pot and a decorated jug (N1097). The next space to the east is partly stone-paved and has a stone-built bench (L162', 167). East of the bench (L157', 170, 171, 158', 165) there are again numerous loom weights of unfired clay and some vessels of fired clay.

There is a partly excavated circular stone structure to the south (W473), obviously a cistern (L164). To the north-east of this structure is a circular stone construction (L163) and west of it two stone slabs. Parts of the head and neck of a rhyton of fired and painted clay depicting a bridled animal were found nearby (N1093; Figs. 179:11, 453:1 and 463:1; see also Appendix 1).

Interpretation of the material evidence

The square structure represents once again a tower which is integrated into the city wall. It is somewhat larger than the tower from the previous phase and has a slightly different orientation. It is evident that the new tower was constructed quite soon after the demolition of the previous tower, which can be seen, for instance, in Section 9-93 (observe the positions of W183 of Phase XIII and W191 of Phase XII in Fig. 133). The new tower was again destroyed but the substantial layer of ash which is visible in the western portion of the structures belonging to this phase could not be observed. It is difficult to estimate the original height of the tower since only its foundation remains, but there must have been additional storeys which could be reached by wooden ladders, judging by the large amount of building material all around the structure.

Domestic structures which were presumably destroyed by a conflagration, judging from a fairly thick layer of ash, were found in the west. The ground plan of the most westerly building seems not to be of the four-room type (it is only partially excavated). Numerous unfired loom weights of clay point to activities associated with the production of textiles. Several installations for cooking suggest the preparation of food but other procedures connected with textile production and, for instance, the preparation of dyes

and/or the actual dyeing process (see also the cistern below), may not be ruled out. There are a number of ceramic containers of rare shapes, which differ from the “standard domestic pottery assemblage” of Iron Age Tell Abu al-Kharaz and may support this theory: there are comparatively many spouted vessels in addition to standard domestic vessels, such as cooking pots and lamps, the latter two of which might also fit into the line of textile production, almost on an “industrial scale”. The building to the far west must have been of some importance judging from the amount and quality of the finds including jewellery. The cosmetic palette of alabaster, for instance, must have represented a considerable value.

The circular structure to the south represents the boundary of a cistern. Stone slabs around the cistern were used as beam supports for a protecting roof construction. The approximately 1 m wide circular stone platform was certainly used as a support for ceramic containers which were filled with water from the cistern. The head and neck of a red and white painted rhyton was found close to the cistern: it shows a horse-like animal with a bridle which is modelled with great detail. The general appearance and the extremely long neck of the animal may not exclude its interpretation as a camel (see also Appendix 1).

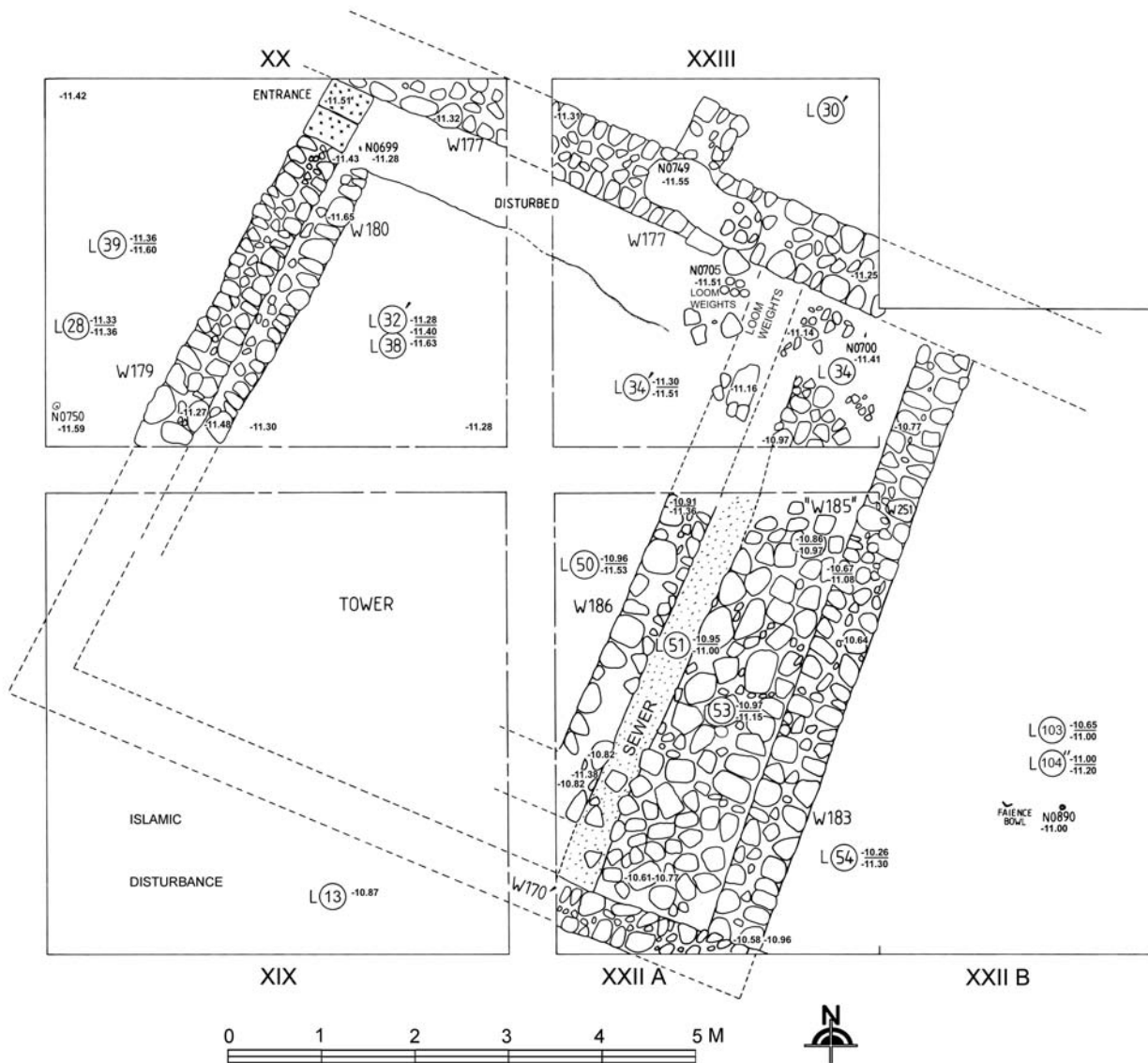


Fig. 157 Plan of Phase XIII, Area 7 East

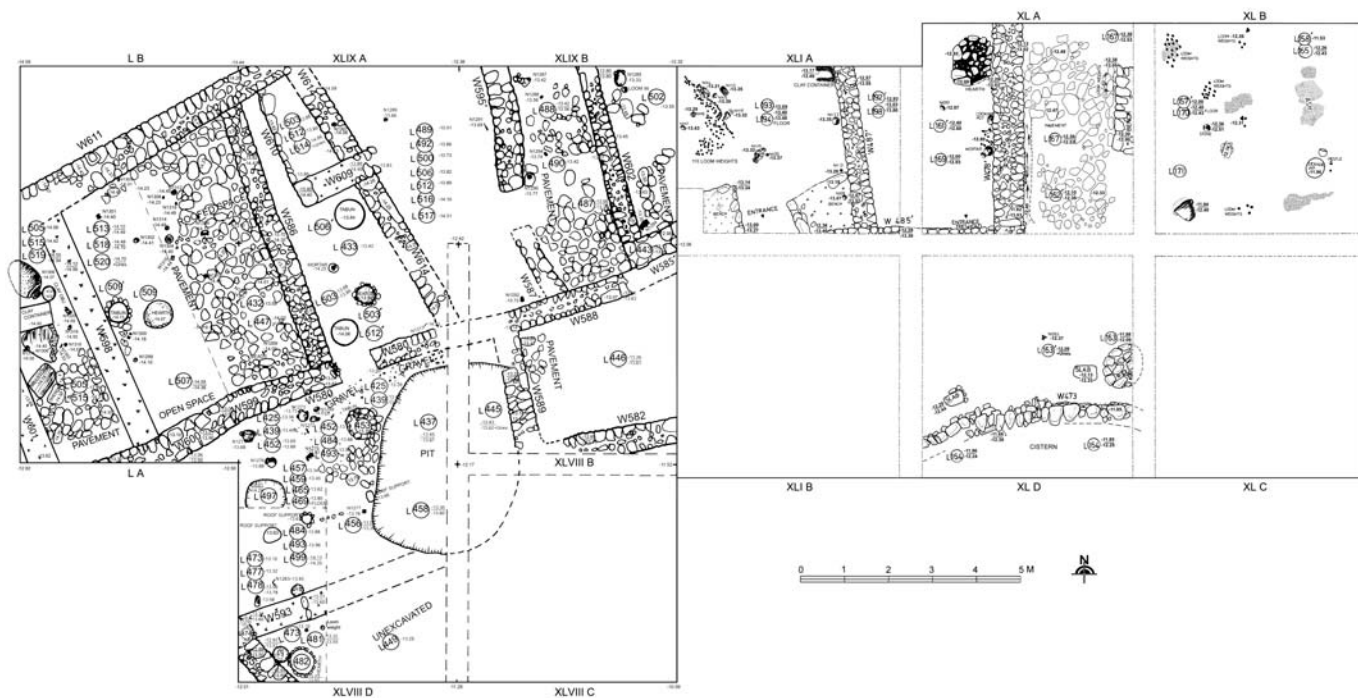


Fig. 158 Plan of Phase XIII, Area 7 West

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
170'	0.5	1.0+	4+			
177	0.8	0.5-07	3			city wall
179	0.5	0.3	2	1	0.5 x 0.3 x 0.15 (threshold)	rests partly on W180
180	0.3-4	0.2-0.3	2			used as bench
183/251	0.5-0.6	0.4	2			
"185"	1.3-1.5	0.2	1			pavement (no wall)
186	0.5	0.4-0.5	2			
473	c. 0.4	0.3-0.4	3			wall of cistern
478'	0.7-0.8	0.9-1.2	4-5			
485'	?	1.1	5			
487'	0.5	1.0-1.1	5			
580	0.5	0.9	4-5			built of large stones
582	0.5-0.7	0.5	3			
585'	0.7	0.3	1			
586	0.5	0.6	3			
587'	0.5	0.3	1			
588	0.5	0.5	2-3			
589	0.6	0.3	1-2			reused
593	0.65	0.3	?			mudbrick wall
594	0.6	0.6	3			
595'	0.6-0.7	0.8	3			
598	0.7	0.5	3			mudbrick wall
599/600	0.6-0.8	0.8	6			also used in next phase
601	0.7	0.6	?			mudbrick wall

Table 49 Description of the walls of Phase XIII, Area 7

Wall No.	Width (m)	Height (m)	No. of courses		Mudbrick dimensions (m)	Remarks
			stone	mudbrick		
602	0.5	1.0	4			reused
609	0.6	0.6	2	1		
610	x	0.4-0.6				platform
611	0.8-0.9	0.3	1-2			
614	0.6	?				not fully excavated

Table 49 continued Description of the walls of Phase XIII, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
13	south of tower, mixed o.d.					partly disturbed
28	west of tower, upper part, hard-packed soil, o.d.	4	-1 k, 1 jl, 1 sj, 1 cp, 18 ud			
30'	dump north of city wall, mixed o.d.					mainly soil, ash
32'	fill above floor L38, o.d.					mainly soil, ash
34	fill above pavement, o.d.				N700, -1	mainly soil, ash
34'	floor, o.d.				N705	mainly soil, ash
38	floor, o.d.	14	N751 Phoen j, -1 sj, -3 b, 7 b, 1 cb, 1 j, 1 ja, 122 ud			
39	west of tower, lower part, o.d.	9	-1 cb, 3 b, 2 cb, 1 k, 1 j, 1 jl, 1 dt, 2 ja, 81 ud		N750	
50	floor, o.d.	23	1 k, 26 ud			
51	sewer, soil					mainly loose soil
53	stone-paved surface, o.d.	57	1 k, 1 cp, 41 ud			
54	east of tower, o.d.	34	-1 cp, -2 k, -3 sj, 4 b, 1 k, 1 j, 1 jl, 1 cp			
103	east of tower, intermediate layer, o.d.	2	N890 b, -1 sj, -2 k, -3 k, -4 cp, -5 cp, -7 k, 14 b, 2 j, 2 jl, 19 ja, 7 sj, 7 cp, 213 ud		-6 faience b	Cypro-Geometric juglet
104''	east of tower, lower layer, o.d.	8	-1 cb, -2 k, -3 cb, -4 k, 11 b, 7 k, 1 j, 23 ja, 1 dt, 2 jl, 138 sj, 5 cp, 4 tri, 9 h			
157'	fill above floor L170, o.d.	2	2 b, 2 k, 5 j, 1 jl, 1 sj, 1 tri, 1 l			
158'	fill above floor L165, o.d.	39	-1 cp, 1 b, 2 k, 4 j, 12 sj, 2 cp, 1 h, 3 dec, 204 ud			
161'	floor, o.d.		1 b, 2 k, 1 sj, 2 cp, 20 ud			
162'	pavement, surface with o.d.	2	1 b, 3 j, 2 sj, 1 tri, 4 cp, 70 ud			
163	circular stone structure, d. 1					
163'	area west of L163				N1093 zoomorphic rhyton	only partly excavated
164	lower part of cistern, loose soil	43	2 b, 2 k, 1 jl, 4 sj, 7 cp, 75 ud			
165	floor, o.d.	30	-1 b, -2 bjl, 6 b, 2 k, 1 j, 8 sj, 5 cp, 65 ud			
167	removed pavement, soil, o.d.		1b, 1 k, 4 j, 1 cp, 86 ud		N1095, N1096	

Table 50 Description of the loci of Phase XIII, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
169	area around entrance with treshold		N1097 jl, -1 cp, -2 cb, 4 b, 1 k, 1 sj, 1 l, 7 cp, 171 ud			
170	floor, o.d.	2	1 b, 1 j, 3 ja, 1 cp, 67 ud			
171	floor, o.d.		-1 cb, 23 sj			
192'	hard surface, o.d.		-2 jl, 2 b, 1 j, 1 jl, 6 sj, 2 cp, 75 ud			
193	fill just above floor L194, o.d.	27	N1109 jl, 8 b, 4 k, 4 j, 6 sj, 3 cp, 121 ud			
194	floor, much pottery and tools, o.d.		N1114 sj, N1115 spjl, N1116 l, N1117 jl, N1118 stj, N1119 j, N1122 cp, 4 b, 1 k, 1 j, 10 sj, 2 cp, 18 ud		N1113, N1120, N1121	
198	fill below surface, o.d.	2	26 b, 5 k, 15 j, 4 jl, 39 sj, 1 l, 13 cp, 514 ud			
in W180	stone foundation of wall	4	1 k, 14 ud			pottery in wall
in W183	stone foundation of wall	10	-1 sj, 1 j, 1 cp			pottery in wall
in W185	pavement	17	1 cp, 1 sj, 5 ud			pottery in wall
in W186	stone foundation of wall	21	9 ud			pottery in wall
425	earth surface, o.d.	2	2 b, 1 cb, 1 k, 6 j, 3 sj, 25 ud			
432	fill above floor L447, o.d.		-1 k, -2 bjl, -3 Phoen j, 2 cb, 1 k, 1 j, 1 jl, 33 ud		N1268	
433	fill above L425, L492, o.d.					
437	part of pit, c. 5 x 3.5	1	1 b, 3 k, 1 j, 3 sj	3		
439	surface with gravel	11	N1290 cb, -1 b, -2 cp, -3 cb, -4 sj, -5 k, -6 sj, 3 cb, 5 k, 1 dt, 5 j, 1 jl, 4 sj, 1 l, 4 cp, 71 ud			
443	stone platform					
445	part of pit, c. 5 x 3.5					
446	partly paved surface	86	-1 cp, 1 b, 4 k, 14 j, 2 jl, 6 sj, 2 cp, 98 ud	2		
447	floor, stone-paved				N1269	
452	beaten earth floor, o.d.		N1272 pf, N1273 sj, N1275 k, 1 k, 1 j, 5 jl, 1 cp, 69 ud			
453	circular stone setting, d. 0.8, tabun d. 0.5					
456	surface, unexcavated	12	5 b, 4 k, 6 j, 2 jl, 1 ja, 3 cp, 195 ud	2		
457	fill, o.d.		2 b, 2 j, 80 ud			
458	part of pit, c. 5 x 3.5	10	1 j, 66 ud	2		
459	gravel surface, o.d.	2	4 b, 3 k, 8 j, 2 cp, 65 ud			
465	fill above surface L469, o.d.	3	-1 l, -2 dt-j, 2 b, 4 k, 1 dt, 5 j, 1 jl, 2 sj, 3 cp, 167 ud			
469	beaten earth floor, o.d.	11	N1276 cp, N1277 bjl, N1279A-B tri, -1 cb, -2 b, -3 b, -4 cp, -5 sj, 3 b, 2 cb, 13 k, 10 j, 1 jl, 1 cp, 413 ud			
473	test trench: fill, o.d.	37	-1 Phoen j, -2 sj, -3 k, -4 sj, 1 b, 3 cb, 4 k, 4 j, 3 sj, 3 cp, 318 ud			
474	test trench: pit, d. 0.6		2 cp, 7 ud			
477	test trench: hard surface with mudbricks		1 b, 1 cb, 2 j, 1 jl, 2 cp, 59 ud			
478	test trench: ash below L477	19	1 b, 4 k, 12 j, 1 ja, 2 cp, 704 ud		N1283	
479	test trench: clay-lined container, d. 0.6					

Table 50 continued Description of the loci of Phase XIII, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
481	test trench: surface around tabun L482	6	1 b, 3 j, 1 jl, 2 sj, 1 cp, 121 ud			
482	test trench: tabun, d. c. 0.6, stone-lined		1 j, 13 ud			
484	test trench: fill below L478, o.d.	6	-1 k, -2 k, 1 cb, 2 k, 1 j, 1 bjl, 204 ud			
487	stone pavement					
488	floor level north of L490	1	N1285 Phoen j, N1287 bjl, -1 cp, -2 k, -3 sj, 1 b, 7 k, 6 j, 1 tri, 1 sj, 3 cp, 56 ud		N1284, N1288	
489	open area between houses, o.d.	1	5 k, 1 j, 1 ja, 3 sj, 7 ud			
490	floor level north of stone pavement L487	1	2 cb, 4 k, 4 j, 2 jl, 5 sj, 3 cp, 128 ud			
492	open area between houses, below L489, o.d.	1	-1 cp, -2 cp, 1 b, 1 cb, 9 k, 3 j, 2 jl, 3 sj, 1 cp, 82 ud	1	N1289, N1291	
493	test trench: fill below L484	5	-1 Phoen j, 2 b, 1 cb, 9 k, 7 j, 2 jl, 1 dt, 1 sj, 1 cp, 196 ud		-2	
497	pit, d. 1, o.d.	1	3 k, 2 j, 1 ja			
499	test trench: hard surface below L493	3	-1 sj, -2 j, -3 cb, -4 k, 1 cb, 2 k, 1 jl, 1 ja, 1 sj			
500	fill above floor	3	-1 k, -2 k, -3 jl, -4 Phoen j, -5 sj, -6 cp, 20 k, 5 j, 1 jl, 1 ja, 4 sj, 6 cp, 275 ud		N1292, N1294	
502	floor level, beaten earth floor	1	-1 b, -2 sj, 3 b, 3 k, 1 dt, 5 j, 1 jl, 2 cp, 1 ja, 121 ud			
503	floor level, thick beaten earth floor		1 k, 1 dt, 1 jl, 7 cp, 31 ud			
503'	hearth, d. c. 0.5, stone-lined					
505	fill above floor L515		1 k, 1 j, 1 jl, 1 cp, 46 ud			
506	floor level, beaten earth floor	1	-1 Phoen j, -2 cb, -3 k, -4 cp, -5 sj, -6 b, 1 b, 10 k, 15 j, 1 jl, 5 sj, 5 cp, 133 ud		N1296	
506'	tabun, d. 0.75					
507	beaten earth floor, extension of L447	1	-1 cp, -2 b, -3 cp, 1 b, 2 cb, 3 k, 6 j, 1 jl, 4 sj, 1 l, 5 cp, 320 ud		N1299, N1300, N1315, N1316	
509	hearth, d. 0.7, stone-lined					
509'	tabun, d. 0.6, stone-lined					
512	fill below floor L503		-1 b, -2 j, -3 k, 1 b, 1 c, 6 k, 3 j, 1 jl, 4 ja, 2 sj, 4 cp, 79 ud			
512'	tabun, d. 0.6					
513	beaten earth floor, extension of L447; see also L507		1 b, 3 k, 3 j, 5 jl, 9 ja, 2 tri, 6 sj, 4 cp, 240 ud		N1301, N1302, N1304, N1305, N1308, N1309, N1310, N1314	
514	floor level		2 cb, 2 k, 4 j, 1 jl, 7 sj, 3 cp, 84 ud		N1307	

Table 50 continued Description of the loci of Phase XIII, Area 7

Locus No.	Description (m)	Pottery			Other finds	Comments
		pre	con	post		
515	beaten earth floor upon stone pavement	2	N1306 sj, N1306' sj, N13171, -1 sj, -2 k, -3 cp, 1 b, 1 k, 2 j, 1 jl, 2 ja, 1 sj, 1 cp, 166 ud		N1303, N1318, N1319, N1320	
516	floor level	2	-1 sj, -2 k, -3 k, -4 cp, -5 cp, -6 sj, 5 b, 10 k, 7 j, 4 jl, 1 dt, 6 ja, 7 cp, 203 ud		N1313	
517	fill below floor L516		1 b, 1 k, 2 j, 1 sj, 27 ud			
518	fill below L513	4	4 b, 5 k, 2 j, 1 cp, 1 ud			
519	fill below floor L515	1	2 b, 3 k, 2 j, 1 jl, 1 sj, 1 lid, 2 cp			
520	fill below L518					unexcavated
in W595'	stone foundation of wall		-1 k, 2 k, 4 sj, 3 cp, 47 ud			
W614	stone foundation of wall		2 b, 1 k, 1 pf			

Table 50 continued Description of the loci of Phase XIII, Area 7

Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus No.	Description
159:1	38 -3	Bowl, hard-fired, light pinkish-brown fabric, fine, pinkish-red slip, dark red painted lines, burnished.
159:2	469 -2	Bowl, hard-fired, red fabric, medium-coarse, mainly white inclusions, self slip.
159:3	507 -2	Bowl, hard-fired, light brown fabric, medium-fine, a few large inclusions, light brown slip, red wash.
159:4	506 -6	Bowl, hard-fired, yellowish-brown fabric, medium-coarse, multicoloured inclusions, brownish-red slip, burnished interior and rim.
159:5	469 -3	Bowl, medium-hard-fired, light brownish-red fabric, medium-fine, reddish-yellow slip, red paint on rim and upper part.
159:6	502 -1	Bowl, medium-hard-fired, light brown fabric, coarse, mainly black inclusions, yellowish-brown slip, red paint.
159:7	439 -1	Bowl, medium-hard-fired, light brown fabric, coarse, mainly white inclusions, creamy-white slip, red paint on rim and exterior; comment: the fabric differs from that of the bulk of the ceramics from this phase; import?
159:8	512 -1	Bowl, medium-hard-fired, grey fabric, medium-coarse, white inclusions, light yellowish-brown slip, traces of red paint on rim.
159:9	469 -1	Carinated bowl, hard-fired, light brownish-red fabric, medium-fine, light yellow slip, traces of red wash on rim.
159:10	104" -3	Carinated bowl, hard-fired, red fabric, grey core, medium-fine, mainly white inclusions, red slip.

159:11	39 -1	Carinated bowl, hard-fired, pinkish-brown fabric, brownish-grey core, fine, light yellowish-brown slip, burnished.
159:12	439 -3	Carinated bowl, hard-fired, brown fabric, coarse, mainly grey inclusions, yellowish-brown slip, brown wash.
159:13	169 -2	Carinated bowl, hard-fired, light brown fabric, medium-fine, light yellow slip, red paint.
159:14	104" -1	Carinated bowl, hard-fired, yellowish-grey fabric, light brown core, medium fine, small black inclusions, light yellow slip.
159:15	171 -1	Carinated bowl, hard-fired, brown fabric, medium-fine, red slip; ridge below rim.
159:16	499 -3	Carinated bowl, hard-fired, light yellow fabric, medium-fine, multicoloured inclusions, yellow slip, red painted exterior and interior; comment: the shape is foreign to the standard vessel forms, it belongs to the Neo-Assyrian tradition, locally made (imported?).

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

Fig.	Locus No.	Description
160:1	469 N1279A	Tripod bowl, wheel-made/hand-made, very hard-fired, lilac fabric, thick grey core, coarse, mainly white inclusions, light red slip.
160:2	469 N1279B	Tripod bowl, wheel-made/hand-made, hard-fired, light red fabric, thick grey core, coarse, mainly white inclusions, light red slip.
160:3	488 N1284	Tripod bowl, basalt, complete and intact; see also Figs. 161 and 458:9.
160:4	513 N1309	Tripod bowl, basalt, fragmentary.

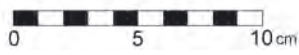
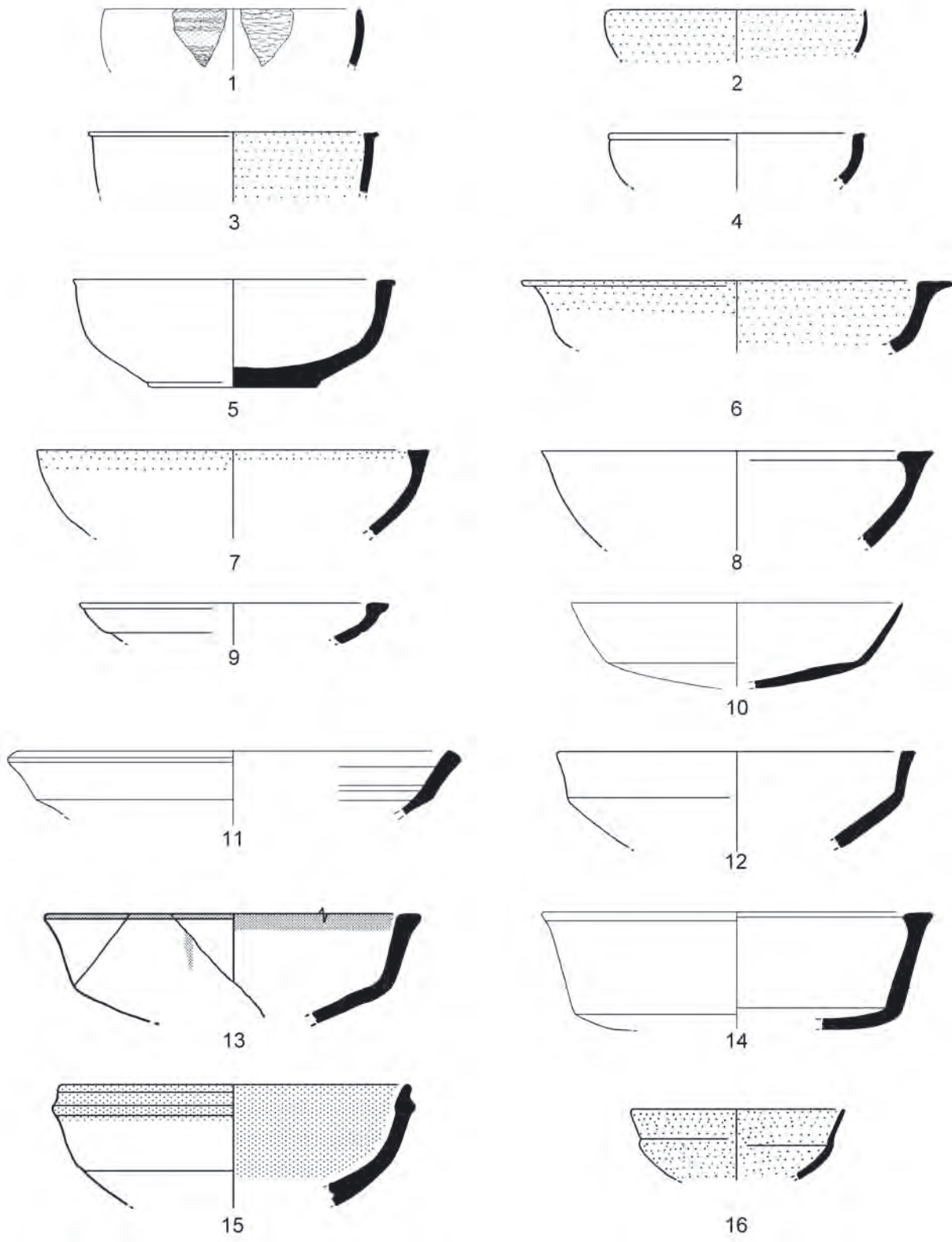


Fig. 159 Pottery from Phase XIII, Area 7

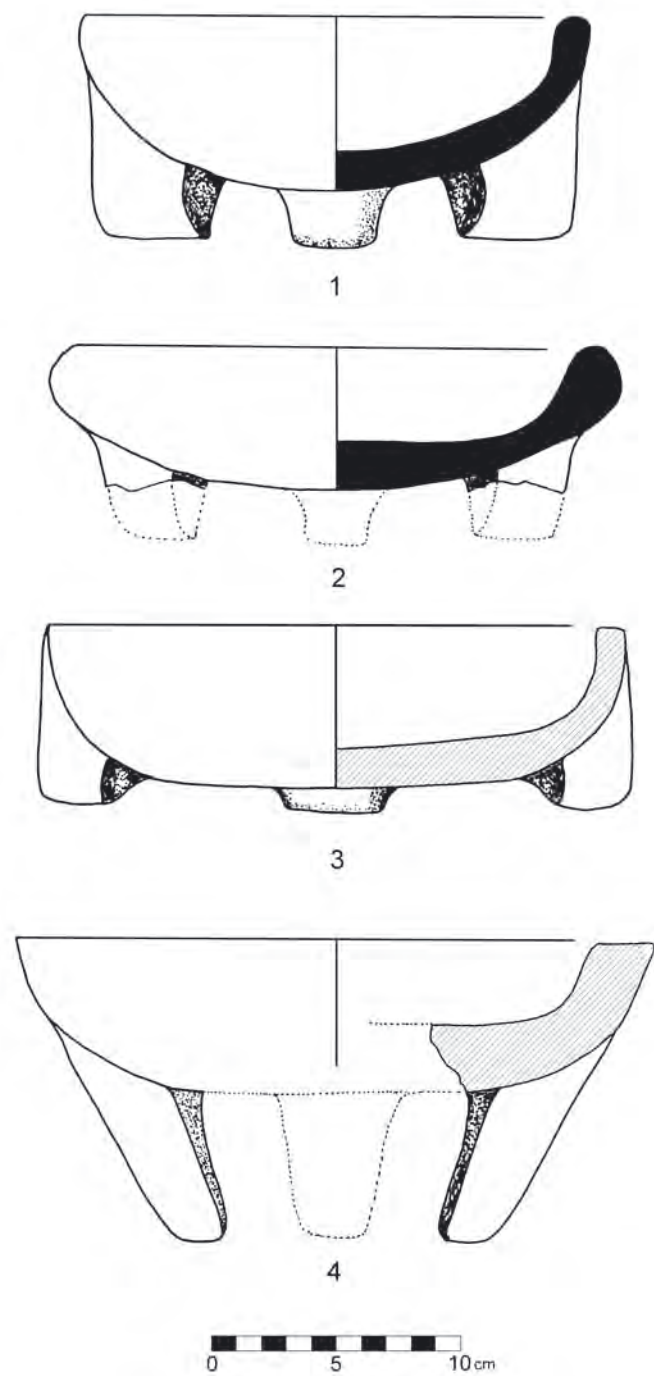


Fig. 160 Pottery and other finds from Phase XIII, Area 7



Fig. 161 Basalt tripod bowl, Phase XIII, Area 7 (N1284, see also Figs. 160:3 and 458:9)

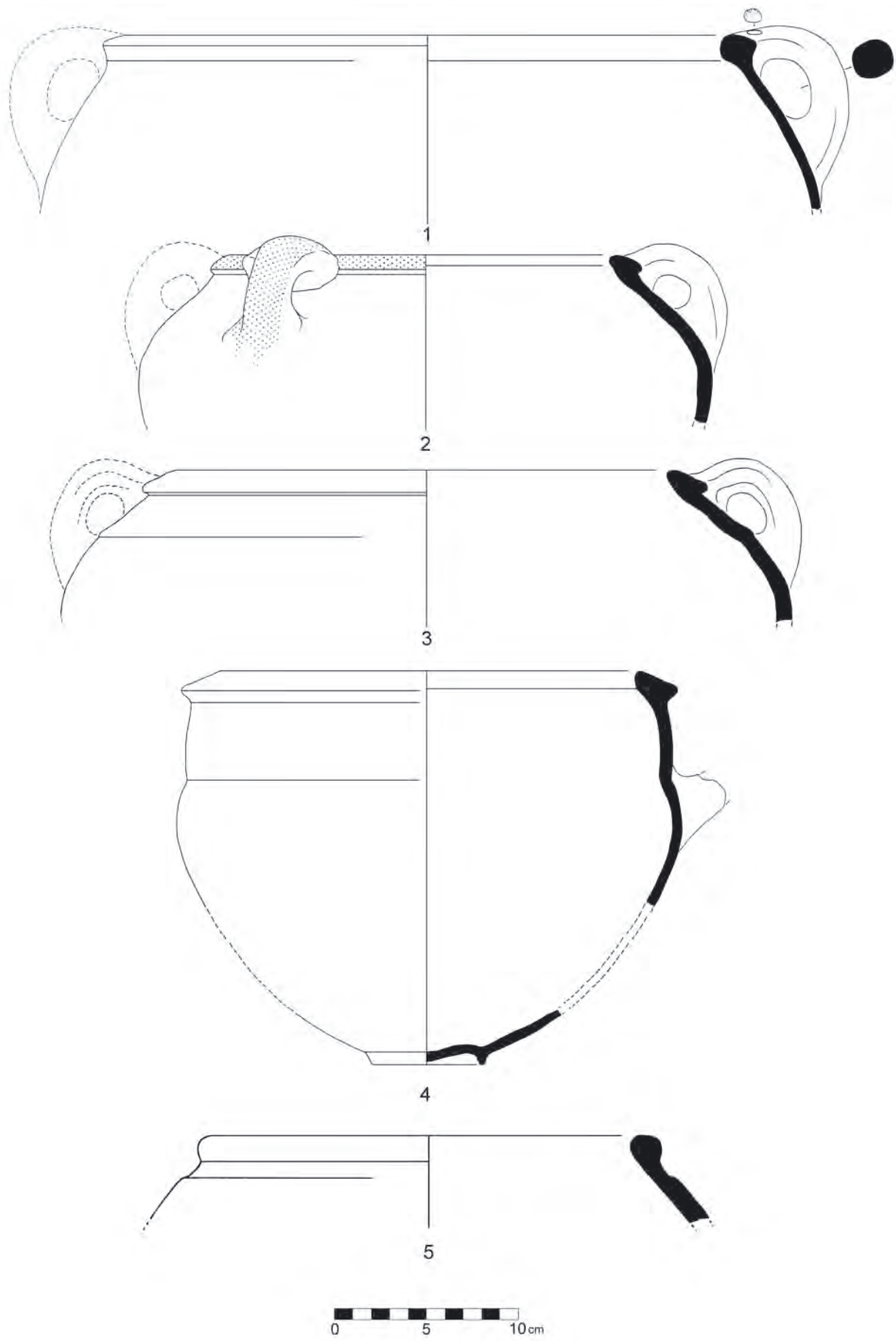


Fig. 162 Pottery from Phase XIII, Area 7

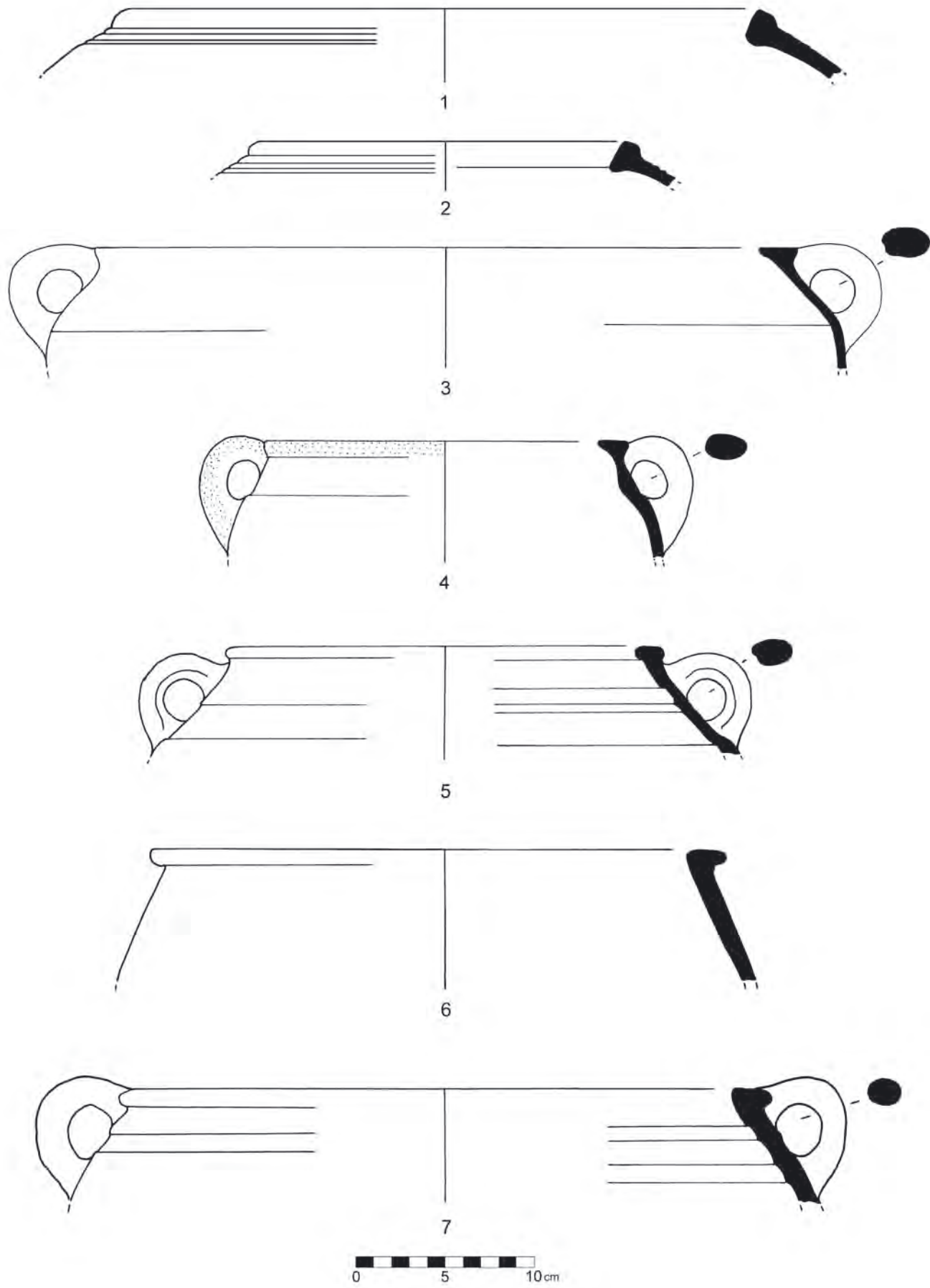


Fig. 163 Pottery from Phase XIII, Area 7

Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus	No.	Description
162:1	28	-1	Krater, hard-fired, light orangish-brown fabric, grey core, medium-coarse, multicoloured inclusions, yellowish-brown slip, partly red paint on interior and exterior.
162:2	103	-7	Krater, small, hard-fired, yellowish-brown fabric, greyish-brown core, medium-fine, grey and white inclusions, self slip interior, red wash exterior on rim and handle.
162:3	104 ⁷	-2	Krater, hard-fired, light brown fabric, grey core, medium-fine, mainly black and white inclusions, red paint on exterior.
162:4	104 ⁷	-4	Krater, medium-hard-fired, red fabric, dark grey core, self slip, secondarily fired; from possibly disturbed context.
162:5	484	-2	Krater, soft-fired, dark greyish-brown fabric, coarse, mainly black inclusions, dark reddish-brown slip; step on neck.

Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus	No.	Description
163:1	506	-3	Krater, very hard-fired, light brownish-red fabric, medium-coarse, mainly grey inclusions, light brownish-red slip; incised lines below rim.
163:2	500	-2	Krater, medium-hard-fired, light reddish-brown fabric, coarse, mainly grey inclusions, reddish-yellow slip; incised lines below rim.
163:3	516	-2	Krater, hard-fired, yellowish-brown fabric, coarse, grey inclusions, yellow slip.
163:4	515	-2	Krater, hard-fired, brown fabric, coarse, mainly white inclusions, reddish-yellow slip, red paint on rim and handle.
163:5	516	-3	Krater, hard-fired, yellowish-brown fabric, coarse, mainly black inclusions, orange slip.
163:6	484	-1	Krater, hard-fired, light reddish-brown fabric, grey core, medium-coarse, black inclusions, light greyish-brown slip.
163:7	432	-1	Krater, medium-hard-fired, light red fabric, thick grey core, medium-coarse, multicoloured inclusions, light orange slip.

Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus	No.	Description
164:1	452	N1275	Krater, hard-fired, light brown fabric, grey core, coarse, multicoloured inclusions, light yellowish-brown slip.
164:2	439	-5	Krater, hard-fired, light greyish-brown fabric, coarse, mainly grey inclusions, self slip.
164:3	54	-2	Krater, soft-fired, light brown fabric, medium-fine, mainly white inclusions, self slip.
164:4	103	-3	Krater, small, medium-hard-fired, yellowish-brown fabric, greyish-brown core, medium-fine, mainly grey and white inclusions, self slip.
164:5	103	-2	Krater, small, hard-fired, yellowish-brown fabric, greyish-brown core, medium-coarse, mainly grey inclusions, self slip.
164:6	488	-2	Krater, small, hard-fired, greyish-brown fabric, medium-fine, few grey inclusions, reddish-yellow slip.
164:7	500	-1	Krater, medium-hard-fired, light brown fabric, thick dark grey core, coarse, multicoloured inclusions, yellowish-brown slip, red paint on rim and handles.
164:8	W595 ⁷	-1	Krater, hard-fired, light brown fabric, grey core, coarse, multicoloured inclusions, light yellowish-brown slip.

Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus	No.	Description
165:1	194	N1115	Juglet, spouted, medium-hard-fired, light brown fabric, coarse, multicoloured inclusions, self slip.
165:2	194	N1117	Juglet, hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip.
165:3	469	N1277	Black Juglet, hand-made, hard-fired, light brownish-red fabric, medium-fine, black slip, horizontally burnished.
165:4	432	-2	Black Juglet, hand-made, hard-fired, yellow fabric interior, black fabric exterior, black slip, vertically burnished.
165:5	488	N1287	Black Juglet, hand-made, hard-fired, grey fabric, thin core, dark grey slip, burnished.
165:6	192 ⁷	-2	Juglet, wide mouth, medium-hard-fired, light brown fabric, medium-coarse, multicoloured inclusions, self slip.
165:7	193	N1109	Juglet, four vestigial handles, hard-fired, light brown fabric, medium-fine, multicoloured inclusions, yellow slip, red paint.
165:8	169	N1097	Juglet, hard-fired, light brown fabric, fine, greyish-brown slip, burnished, dark brown paint.

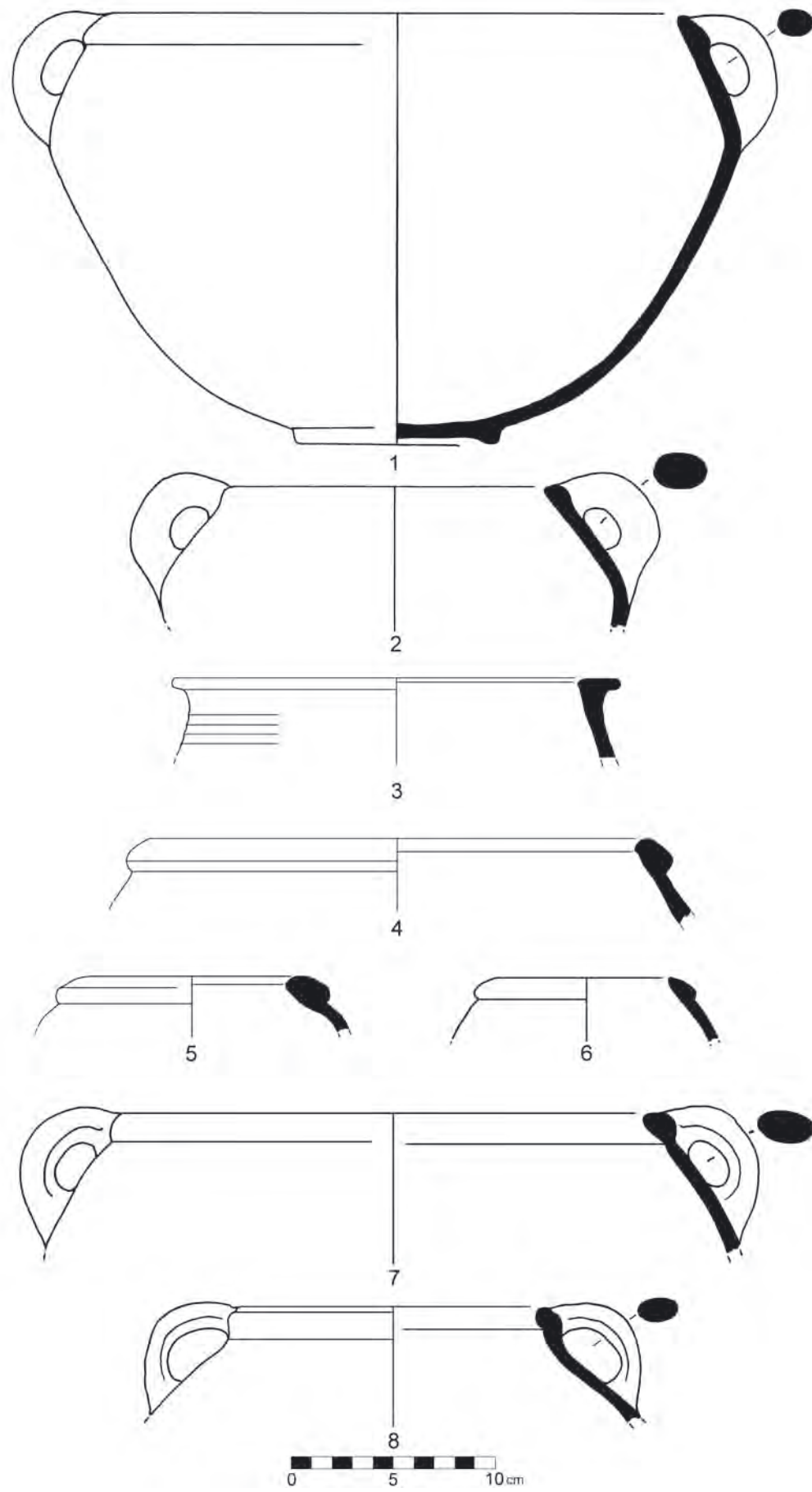


Fig. 164 Pottery from Phase XIII, Area 7

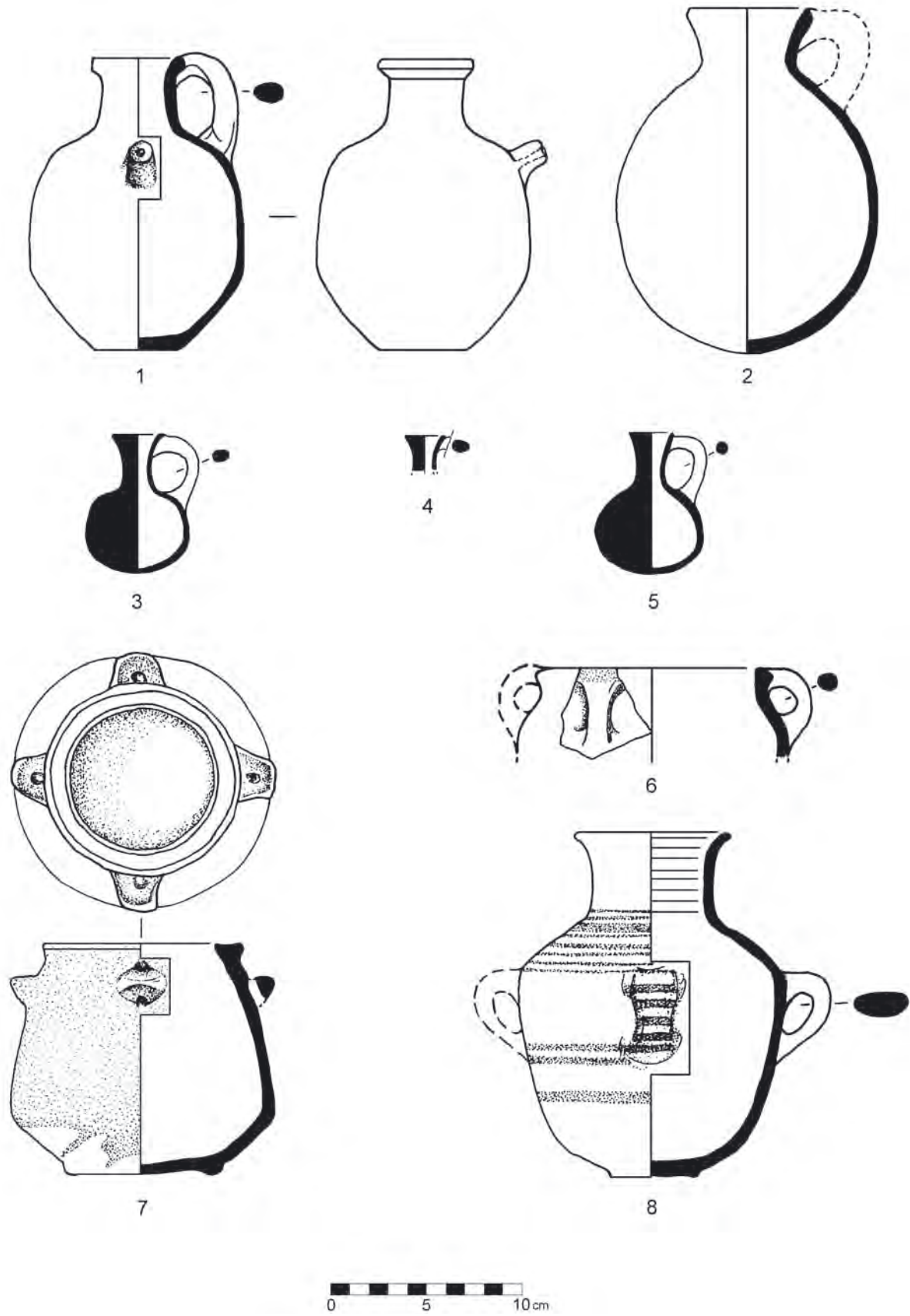


Fig. 165 Pottery from Phase XIII, Area 7



Fig. 166 Juglet from Phase XIII, Area 7 (N1115, see also Fig. 165:1)



Fig. 167 Juglet from Phase XIII, Area 7 (N1109, see also Fig. 165:7)

Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus No.	Description
168:1	194 N1119	Jug, three handles, false spout, very hard-fired, reddish-brown fabric, thick dark grey core, medium-coarse, a few large white inclusions, dark brown slip, splashes of yellow paint; three incised lines below neck (see Figs. 169 and 458:1).
168:2	194 N1118	Strainer jug, medium-hard-fired, light brown fabric, medium-fine, self slip, splashes of brown paint; minor ridge below neck.

Legend for the illustrated pottery from Phase XIII, Area 7

Fig.	Locus No.	Description
170:1	500 -4	Jug, Phoenician, medium-hard-fired, light brownish-red fabric, very fine, light yellow slip, traces of red paint.
170:2	499 -2	Jug, hard-fired, brownish-red fabric, light brown core, medium-coarse, mainly grey inclusions, self slip, red paint on rim and neck.
170:3	512 -2	Jug, hard-fired, brownish-red fabric, coarse, white inclusions, self slip.
170:4	465 -2	Decanter-jug, hard-fired, light reddish-brown fabric, coarse, mainly white inclusions, pink slip.

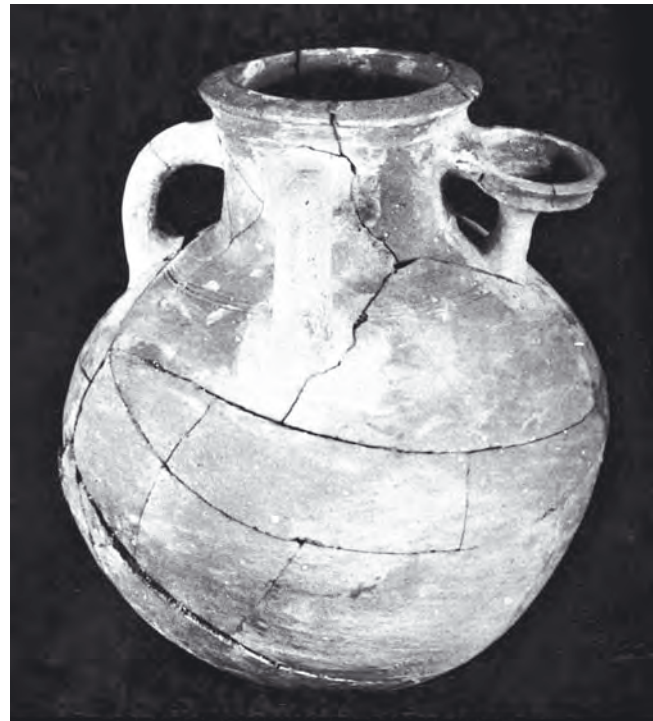


Fig. 169 Jug with false spout from Phase XIII, Area 7 (N1119, see also Figs. 168:1 and 458:1)

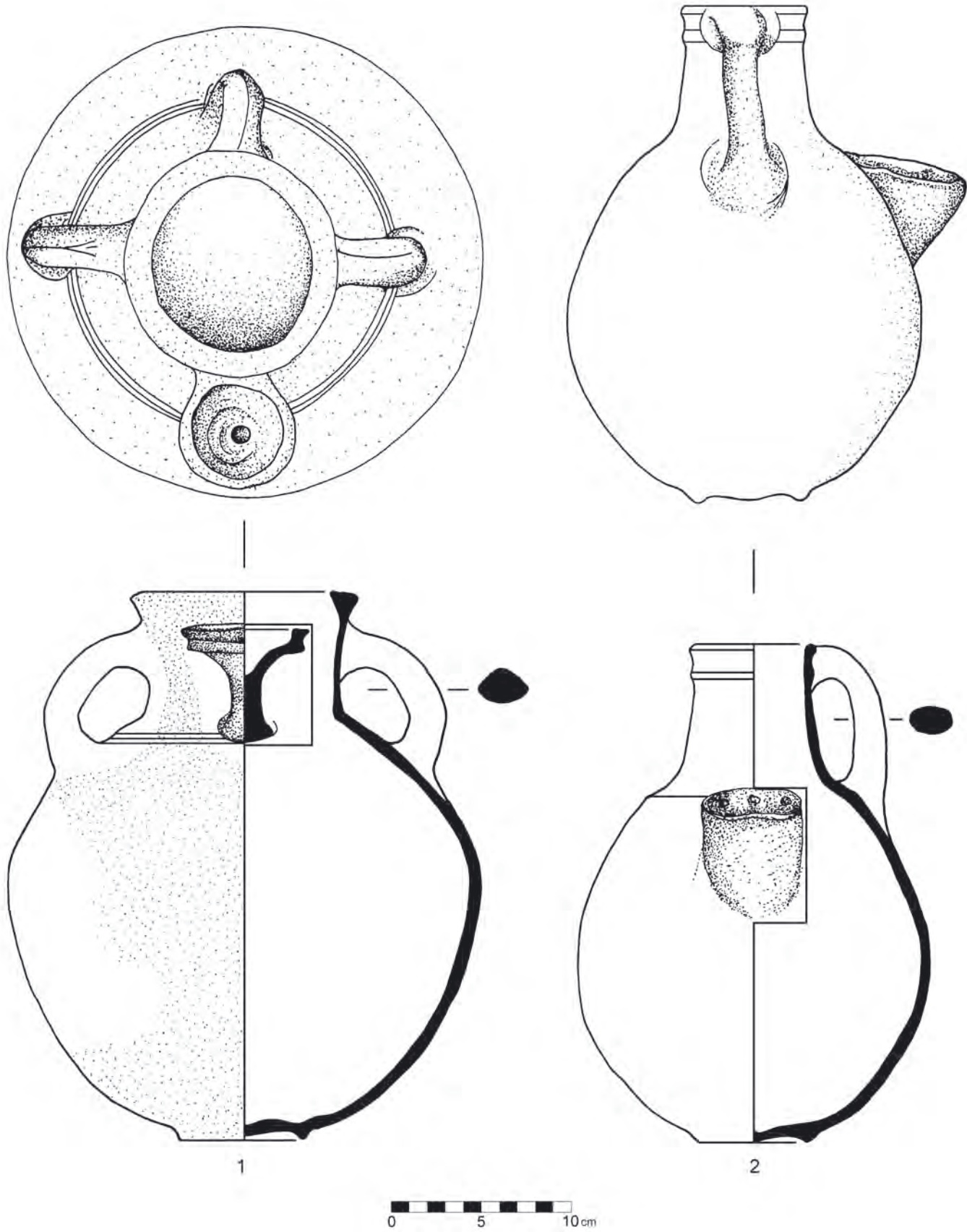


Fig. 168 Pottery from Phase XIII, Area 7

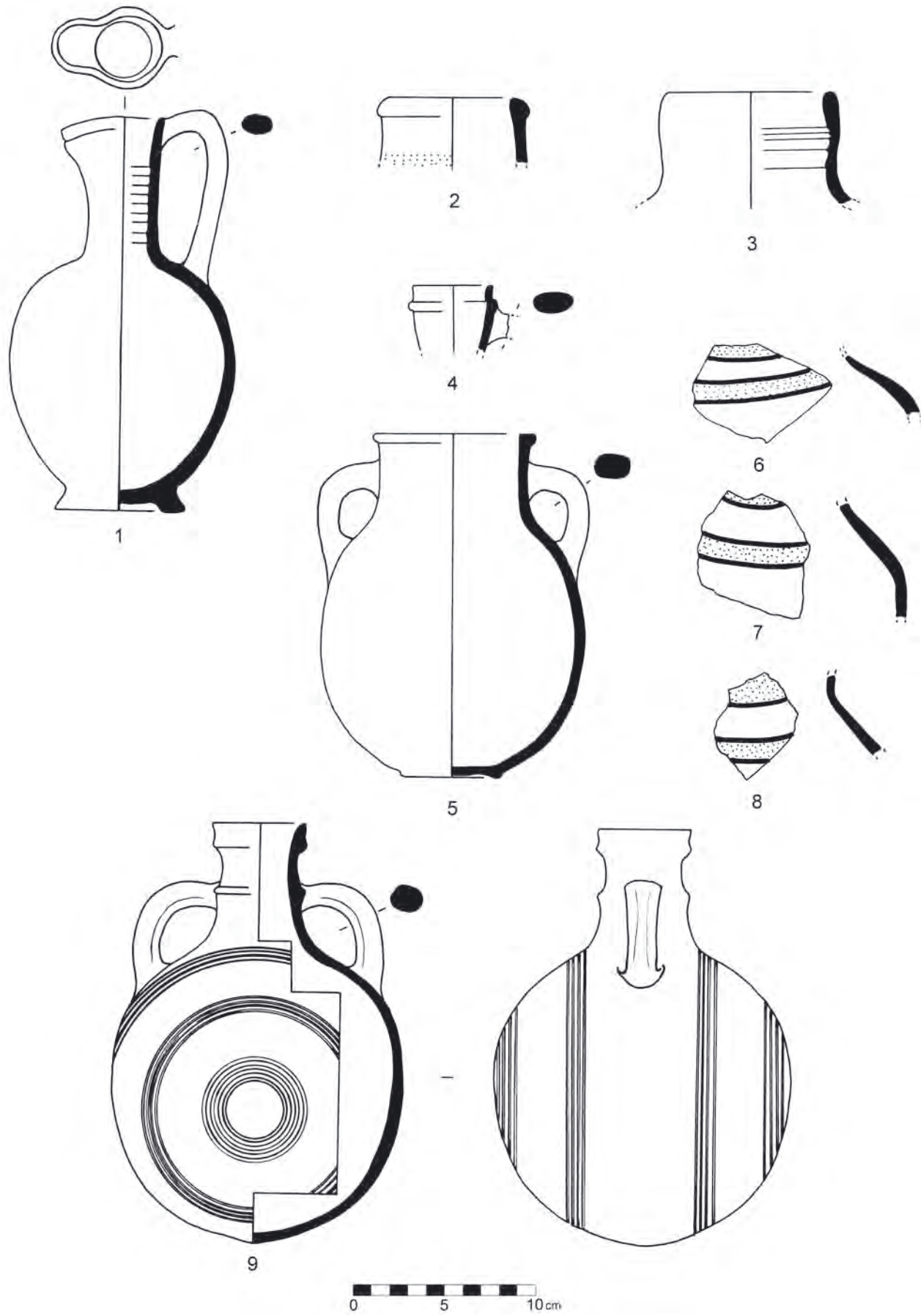


Fig. 170 Pottery from Phase XIII, Area 7