

Khirbet el-Maqtir

2014 Excavation Report

Associates for Biblical Research



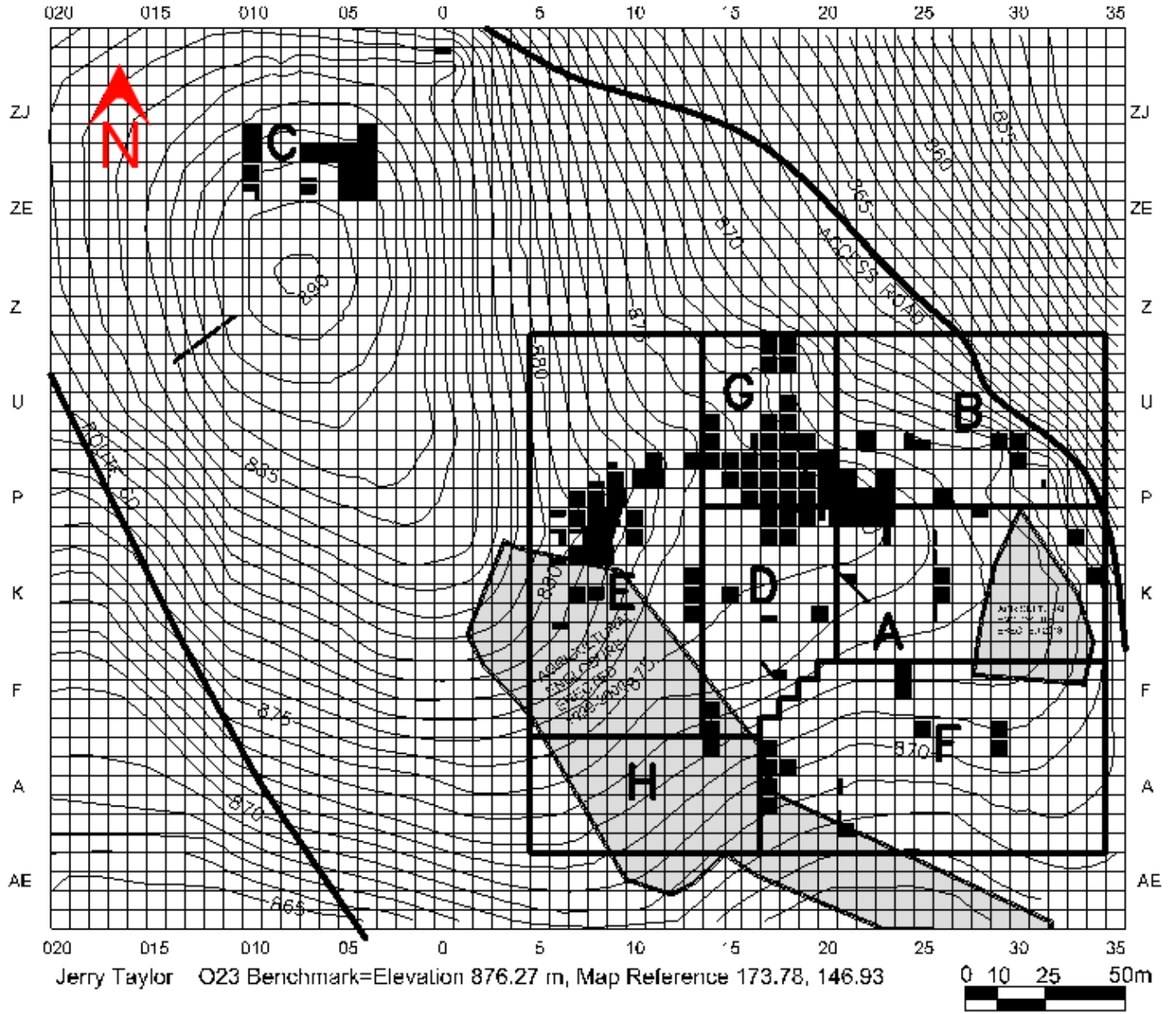
Scott Stripling, Director of Excavations

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SITE MAP



Kh. el-Maqatir Excavation Areas, 1995-2000 and 2009-2014

EXCAVATED REMAINS RENDERING



O23 Benchmark=Elevation 876.27 m, Map Reference 173.78, 146.93

LH/ER Settlement, MB III/LB I Fortress & IA I Settlement at Kh. el-Maqatir, 1995-2000 and 2009-2014

INTRODUCTION AND OBJECTIVES

Two sessions of excavation were carried out at Kh. el-Maqtar in Fields A, B, and E under the direction of Scott Stripling. The inclusive dates were 19-30 May and 17-31 December. Both sessions were sponsored by the Associates for Biblical Research, Akron PA. Staff members were as follows:

Scott Stripling - Associates for Biblical Research, Director of Excavations

Bryant Wood - Associates for Biblical Research, Director Emeritus and Square Supervisor

Leen Ritmeyer - Ritmeyer Archaeological Design, Architect

Orna Cohen - Cohen Conservation, Conservator

Gary Byers - Associates for Biblical Research, Senior Archaeologist and Square Supervisor

Yoav Farhi - Institute of Archaeology, The Hebrew University of Jerusalem, Numismatist

Peretz Reuven - The Hebrew University of Jerusalem, Ceramic Typologist

Henry Smith - Associates for Biblical Research, Administrative Director and Square Supervisor

Marina Faerman - Hebrew University, Anthropologist

Michael Luddeni - Associates for Biblical Research, Photographer

Brian Peterson - Lee University, Field Archaeologist and Square Supervisor

Suzanne Lattimer - Near East Archaeological Society, Field Archaeologist and Square Supervisor

Don McNeeley - Tidewater Bible College, Director of Information Technology

Eugene Merrill - Criswell Theological Seminary, Square Supervisor

Abigail Leavitt - Associates for Biblical Research, Square Supervisor and Objects Registrar

Jacob Figueroa - University of North Texas, Square Supervisor

Steve Rudd - Near East Archaeological Society, Square Supervisor

Mark Hassler - Masters College and Seminary, Assistant Square Supervisor

Ellen Jackson - Wycliffe Bible Translators, Metal Detectorist

Roy Anderson - Associates for Biblical Research, Surveyor

Jerry Taylor - Gourdie-Fraser Associates, Inc., Surveyor

Louis Klauder - Associates for Biblical Research, Pottery Registrar

Yaakov Ehrlich - Surveyor

Elisabetta Boaretto - Weismann Institute, Carbon Dating Specialist

Seventy volunteers from the United States, Canada, Philippines, and Israel provided labor for the excavation. There were also volunteers from Canada and Israel. In addition, eight local workers from the adjacent village of Deir Dibwan were hired and two licensed security guards were employed. Excavation was carried out in 6 x 6 m squares; due to the nature of the heavy tumble, most balks were not preserved. The recording system was that of the Madaba Plains Project as set forth in *Excavation Manual, Madaba Plains Project*, by Larry G. Herr and Gary L.

Christopherson, Berrien Springs MI: Andrews University Institute of Archaeology, 1998. Support for the excavation was provided by the staff of the Civil Administration of Judea and Samaria and included the following individuals: Hananya Hizme, Yoav Tzionet, Benny Har Aven, Eyal Frieman, and Michal Haber.

Four occupational phases are present at the site: MB III/LB I fortress, IA I village, LH/ER city, and a Byzantine monastery.

The objectives of the 19-31 May session were:

1. Execute an 18 x 18 m trench across the LH/ER (Second Temple Period) city by completing the excavation of squares O21, P20, and P21 – and by opening new squares in O22, O23, P22, P23, Q22, and Q23.
2. Excavate the remains of the MB III/LB I fortress that are below floor level of the domestic structures in the LH/ER fortified city.
3. Reveal additional evidence of the IA I settlement on the inside of the north wall of the Bronze Age fortress in squares Q9-11.
4. Survey and draw the fortification system (walls and tower) of the LH/ER city.

In the 17–31 December session, Square CAV 1 (Olive Press Cave) was completed with the following objectives:

1. Determine the industrial capacity of the Late Second Temple city.
2. Determine the extent of ritual purity practices in the Late Second Temple city.
3. Determine how residents used caves and tunnels for hiding during times of siege.

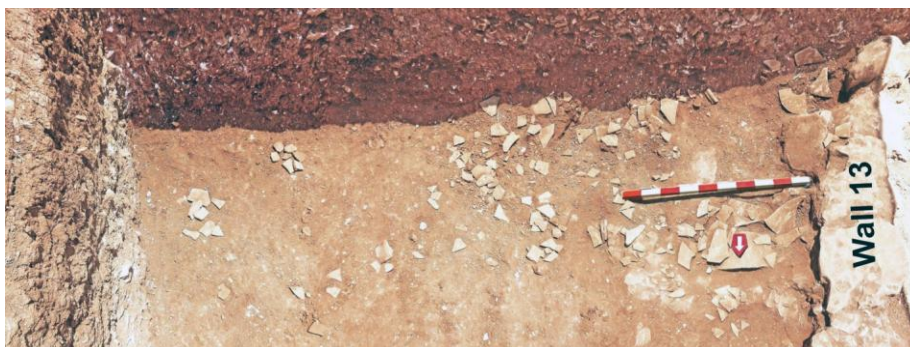
Excavation Results

SQUARE O21, 19–31 May (Bryant Wood, Square Supervisor)

Square O21 was partially excavated 20–28 May, 2013, and completed (except for the east balk, south of L.2, Wall) in 2014. The most prominent feature in the square is L.2 (Wall) crossing the north half of the square at 120° (east of. north). L.2 (Wall), constructed in the LH period, is 0.9–1.0 m wide and preserved to a height of ca. 1.5 m. It may form the southern perimeter of the LH/ER city. In 2013, the area north of L.2 (Wall), including the north balk and Pit 9 in the northeast corner, was excavated to the east 5 m balk. The east balk north of L.2 (Wall), L.20, was removed in the 2014 season to complete the excavation of the square north of L.2 (Wall).

A 1.2 m-wide trench along the south face of L.2 (Wall), Loci 7, 10–12, was dug to 16 cm above bedrock in 2013. The remaining 16 cm of L.12 was removed in 2014. Two stones oriented at 28° lying on bedrock, L.13 (Wall), were exposed in the trench 2 m east of the west balk. The north portion of L.13 (Wall) was cut by the foundation trench of L.2 (Wall). South of L.12 (trench), approximately 50 cm of soil was removed in 2013, Loci 1 and 3. In 2014, the area south of L.12 (trench) was excavated to bedrock to complete the excavation of Square O21. The east balk south of L.2 (Wall) was left intact.

L.3 south of L.12 (trench) was excavated for another 20–28 cm when more compact soil, L.15, was encountered. L.15 was a 29–32 cm layer of nearly sterile soil. It appears to have been a garden or animal pen where little pottery or stones was present. Under L.15 was a layer containing cobblestones and pottery, L.16, which was excavated for 4–8 cm to the top of L.13 (Wall). L.13 (Wall) continued south, bending from 28° to 20° in the south half of the square. Material east of L.13 (Wall), Loci 17 and 19, was differentiated from the material west of L.13 (Wall), L.18. A poorly-preserved wall, L.21, proceeds east from L.13 (Wall) at an angle of 90°. It is ca. 1 m wide, founded on bedrock, and appears to be bonded to L.13 (Wall). All of the loci south of L.12 (trench) contained mixed MB III/LB I, Iron I and LH/ER pottery, with the exception of L.19. This locus, ca. 40 cm layer just above bedrock south of L.12 (trench) and east of L.13 (Wall), yielded a large quantity of Iron IB pottery.



Flat-lying Iron IB sherds at the top of Locus 19, view south (photo by Michael Luddeni)

Of special interest is a number of pithoi lacking a neck and collar, and in some cases featuring a circular groove just below the rim and/or a sharp ridge on the outside of the rim. Similar examples have been found at nearby Beitin, Tell el-Ful, and Tell en-Naşbeh, suggesting that it may be a type unique to the tribal area of Benjamin. The pithoi of this type at Tell el-Ful were confined to Period II, dated to ca. 1025–950 BC. In addition, two hole-mouth store jar rims and a flange-rim lamp from Locus 19 have parallels at Beitin dated to the sixth century BC. Further study is needed on these three sherds. Based on the pottery in L.19, it appears that L.13 (Wall) and L.21 (Wall) date to the Iron IB period.

Loci Details

2. **Architectural Locus** – This was the 0.9–1.0 m wide LH wall oriented at 120° crossing the north half of the square. It was founded on bedrock and preserved to a height of ca. 1.5 m. This equals L.8 in Square O22.
3. **Earth Locus** – This was the rocky mixed matrix beneath the L.1 surface debris. An additional 20–28 cm south of Trench 12 was removed in 2014.
12. **Earth Locus** – This was the hard clay above bedrock in a 1.2 m wide trench along the south face of Wall 2. An additional 16 cm was excavated to bedrock in 2014.
13. **Architectural Locus** – This was the wall on the south side of Wall 2, cut by the foundation trench for Wall 2, oriented 20°/28°. It was one course, one stone wide, and founded on bedrock.
14. **Architectural Locus** – This was a 1 x 3 m northwest-southeast line of wall collapse in the center of the square below L.3 and above L.16. The top was 875.30 m, and the bottom was 874.74 m.
15. **Earth Locus** – This layer was practically devoid of pottery and stones, south of L.12 (trench), below L.3 and above L.16, 29–32 cm deep.
16. **Earth Locus** – This was the layer of mixed debris south of L.12 (trench), below L.15 to the top of Wall 13, 0–8 cm deep.
17. **Earth Locus** – This was the hard-packed layer below the top of L.13 (Wall), south of L.12 (trench) and east of L.13, 35–44 cm deep.
18. **Earth Locus** – This was the mixed debris from the top of L.13 (Wall) to bedrock, south of Trench 12 and west of Wall 13, 41–43 cm deep.
19. **Earth Locus** – This was the layer of concentrated pottery below L.17 and above bedrock, south of Trench 12 and east of Wall 13, 12–41 cm deep.
20. **Earth Locus** – This was the removal of east balk north of L.2 (Wall).

21. **Architectural Locus** – This was the remnant of a ca. 1 m-wide wall proceeding east from L.13 (Wall) at a right angle, founded on bedrock and bonded to L.13.

22. **Bedrock**

Objects for O21

Reg #	Date	Locus	Pail	Description
1242	19 May	3	18	Coin
1243	19 May	3	18	Coin
1244	19 May	3	18	Coin
1245	19 May	3	18	Bronze Fragment
1302	19 May	3	18	Coin
1303	20 May	15	20	Ring
1304	20 May	15	20	Coin
1305	20 May	15	20	Coin
1306	20 May	15	20	Metal Fragment
1331	21 May	15	21	Coin
1332	21 May	15	21	Sandal Tack
1333	21 May	15	21	Coin
1334	21 May	15	21	Coin
1350	22 May	17	25	Bead
1351	22 May	17	25	Needle
1354	22 May	16	23	Copper Slag
1398	22 May	16	23	Sling Stone
1421	23 May	17	26	Coin
1444	26 May	17	29	Sandal Tack
1445	26 May	18	28	Nail
1509	27 May	17	30	Bronze Rod
1510	27 May	17	30	Nail
1520	27 May	17	30	Sling Stone
1521	27 May	17	30	Sling Stone

Reg #	Date	Locus	Pail	Description
1528	28 May	17	32	Ring
1616	29 May	20	38	Sling stone
1621	29 May	19	30	Obsidian
1650	30 May	20	45	Olive Press Weight Stone
1675	30 May	12	27	Bracelet
1700	30 May	20	45	Coin
1712	30 May	19	46	Sling Stone
1714	30 May	19	46	Sling Stone

Pottery Pails for O21

Pail	Date	Locus	Reading	Published
18	19 May	3	3 LH/ER	0
19	20 May	3	1 IA I, 1 LH/ER	0
20	20 May	15	2 LH/ER	0
21	21 May	15	4 LB I, 3 IA I, 13 LH/ER	4
22	21 May	16	4 LB I, 1 IA I, 2 LH/ER	3
23	22 May	16	1 MB III, 3 LB I, 12 IA I, 35 LH/ER	5
24	22 May	15	2 LB I, 9 LH/ER	2
25	22 May	16	2 LB I (1 refired), 1 IA I, 5 LH/ER	2
26	23 May	17	1 LB I, 4 LH/ER	2
27	23 May	12	3 LB I (2 refired)	1
28	26 May	18	8 LB I (8 refired), 3 IA I, 2 LH/ER	3
29	26 May	17	33 LB I (25 refired), 4 IA I, 7 LH/ER	17
30	27 May	17	12 LB I (8 refired), 8 IA I (1 thumb-impressed), 24 LH/ER	17
31	27 May	18	1 IA I	0
32	28 May	17	2 LB I, 3 IA I, 2 LH/ER	4
33	28 May	19	6 IA I	2

Pail	Date	Locus	Reading	Published
34	28 May	19	4 IA I	1
35	28 May	19	7 IA I	4
36	28 May	19	2 IA I	1
37	29 May	19	2 IA I	2
38	29 May	20	6 LH/ER	2
39	29 May	19	2 LB I (1 refired)	0
40	29 May	19	7 LB I (4 refired), 2 IA I	7
41	29 May	19	3 LB I, 1 IA I	1
42	29 May	19	3 IA I	1
43	30 May	18	2 LH/ER	0
44	30 May	19	11 IA I	4
45	30 May	20	4 LH/ER	1
46	30 May	19	7 IA I	5

Photographs for O21

Number	File name	Description
10	KeM 2014-05-23 010.jpg	L.17, top of L.18, view north
79	KeM 2014-05-28 079.jpg	Top of L.19, view south
32	KeM 2014-05-29 032.jpg	Closeup of L.19 pottery at the intersection of Wall 13 and 21, view north
33	KeM 2014-05-29 033.jpg	Closeup of L.19 pottery at the intersection of Wall 13 and 21, view NW
50	KeM 2014-05-30 050.jpg	Loci 18, 19, 20, view north

SQUARE O22, 19-31 May (Suzanne Lattimer, Square Supervisor)



Stepped Entrance into the O22 Subterranean Installation (photo by Michael C. Luddeni)

O22 was a 6 x 6 m square that was partially excavated. The SW corner, beyond L.8 was left untouched for logistical reasons. Parts of L.4 were also not completed due to time constraints. Both the north and east balks were fully removed. The pottery was largely LH/ER, and 131 objects were recorded. Most of the square was open courtyard of the much larger LH/ER house. A sealed silo was found, complete with capstone *in situ*. It had a secondary entrance with a set of steps leading to an arched doorway.

Loci Details

1. **Earth Locus** – This locus was a sifting site from square P21 measuring approximately .3 m deep on the north side. The Munsell reading was 7.5 YR, 4/3. Soil was very loose and well-sifted. It was over L.2. The majority of the pottery found was LH/ER although 1 LB I refired piece was found.

2. **Earth Locus** – This was the original topsoil for the square. There was modern trash found within the matrix, along with backhoe holes in areas 30 and 36 from looters. The top elevation was 875.82, and the bottom elevation was 874.78, resulting in approximately 1m of topsoil. The Munsell reading was 5 YR, 4/3. Soil was loose and slightly moist. It was over L.4, and sealed by L.3 and sealed against L.8. Quite a number of objects were found including a glass bead (Reg. 1258), glass rims (Reg. 1255 & 1321), nails, coins, stoneware (Reg. 1327 & 1399), rolled bronze fragment (Reg. 1262), and an unusual design jar stopper (Reg. 1317). The majority of pottery was LH/ER, with 5 refired LB I pieces found.

3. **Architectural Locus** - This was 3 courses of stones abutting L. 8. It was created as a precaution. It was found floating on L.4. It is likely tumble from the wall it abutted and was likely from an earthquake. Elevations were taken in 2 locations. Location 18: (Top elevation 875.94, Bottom- 875.48). Location 22: (Top elevation 875.92, Bottom 875.48). The height was .44-.46 m, width was .85 m, length was 3.4 m. It was constructed of dry-laid, unhewn stones (small, medium, and large) in a boulder and chink style. Minimal pottery was found in and around it, consistent with the pottery of L.2.

4. **Earth Locus** – This locus was a matrix mixed with larger cobble that ended right above bedrock. There was a change in soil texture, addition of cobble, and color change that made it distinctive from L.2. It is believed to be fill from the destruction of the city. The Munsell reading was 5 YR, 4/6. Soil was moderately loose, around 15 cobble per pail. Locus was located over Loci 5 and 11, and abutted L.8. The locus was rich in objects: 30 coins, several grinders (Reg. 1405, 1519, 1535, 1536), and a piece of stoneware (Reg. 1726). It also was extremely rich in pottery, nearing 500 pieces before field sorting. The majority was LH/ER, as expected, with 9 LB I pieces, 2 of which were refired, and 6 IA I pieces.

5. **Installation Locus** - A sealed pit was found under L.4. It was carved into the bedrock, and initially believed to be a silo. It was sealed with a capstone (Reg. 1648) found *in situ* in L.4. When first opened, it was half full of dirt, with 2 meters of head room. It has a triangular oil lamp niche carved near the top of the silo. The bedrock about a third of the way down from the top changed deposit style. The top was solid limestone, while the middle was different sedimentary rock, possibly a type of sandstone. There was a color change: soil color vs. the white limestone; sedimentary change: individual stacking vs. solid limestone; and a texture change: sandy vs. smoother limestone. There were 3 areas on the sandstone deposits that had what appeared to be a cement type plaster about .2 m in diameter. Approximately .4 m from the bottom, once again the solid white limestone bedrock appeared that had been carved, like the top. The bottom of the silo had 3 distinct levels, similar to wide steps. There was an arched door on

the east side that had 8 steps, carved out of the bedrock, sealed against L.8 (Wall). The steps were in excellent condition with very minimal wearing. Inside on the south side of the silo, was what appeared to rocks purposely placed in the wall covering a hole. There is an area of cement plaster near the top; its purpose appears to be to hold the rocks in place or cover them. There is dirt behind the rocks. This area was unable to be excavated due to time constraints.

6. **Earth Locus** – This locus was the initial level of fill dirt from within the silo. This was considered a sealed locus. Elevations were not taken due to complications of trying to obtain them due to the opening, and the unavailability of surveyors. The Munsell reading was 5 Y/R, 4/4. Soil was loose and moist. Locus was located over L.7, sealed by L.5. A number of coins were found, along with a flint arrowhead (Reg. 1585). The pottery was completely LH/ER, with the exception of 1 LB I piece.

7. **Earth Locus** – This locus was the bottom level of fill dirt to the bedrock floor of L.5. This was considered a sealed locus. The Munsell reading was 5 Y/R, 3/4. There was a change to a darker color, along with a more compact and damper consistency than L.6. Locus was located under L.6, sealed by L.5, and against L.10. Coins, 2 matching metal beads (Reg. 1588 & 1590), a piece of stoneware (Reg. 1636), and a possible ostrakon (Reg. 1482) were found. The pottery was completely LH/ER, with the exception of 1 IA I piece.

8. **Architectural Locus** – There was a wall cutting the square west to east. It equals L.2 in Square O21. It contains the benchmark 876.274 at the southwest corner of O22. At its longest point, it runs 7 m through the square, while at the highest point it survives to 3 m. Neither the south face of the wall was excavated, nor were any foundation trenches. It was constructed of unfaced, dry-laid, unhewn stones (small, medium, and large) in a boulder and chink style. The mortar consisted of dirt and pebble. Its make up is consistent with Square O21. It was under L.1, sealed against by Loci 2 & 4, abuts L.3, and sits on L.12 next to L.5's stairwell.

9. **Earth Locus** – This locus was the dirt under the stairwell “capstone,” a large flat stone that was floating in L.4, and being used for access in/out of the square. The locus ends at L.12 above the stairwell. Top elevation was 874.7; bottom elevation was 874.18. This locus was created as a precaution due to the large stone, and is probably equal to L.4. The Munsell reading was not taken. The soil was found to be the same consistency as L.4. It was over L.10 and sealed by L.8. 2 coins were found, and pottery was all LH/ER.

10. **Earth Locus** – This locus was the dirt within the silo stairwell. This was considered a sealed locus. Top elevation was 874.18, and the bottom elevation was 871.99. Locus was under L.9, sealed against Loci 5 & 11, and against L.7. 13 coins were found. Coins Reg. #1691, #1641, & 1741 were found lying directly on the bedrock steps. Pottery was purely LH/ER.

11. **Installation Locus** – This locus was the stairwell attached to L.5. The stairwell consists of 8 steps, carved from the bedrock, descending westward along L.8. Elevations were taken on each step: L.12 bedrock: 874.18; step 1: 874.09; step 2: 873.83; step 3: 873.55; step 4: 873.29; step 5: 872.80; step 6: 872.72; step 7: 872.48; step 8: 871.99. There was minimal wear on the steps. The stairwell cuts the L.12 bedrock next to L.8 and runs parallel. At the west end, an arched doorway

led into L.5. Measurements of the doorway have yet to be taken. The stairwell is 2.55m long x 1.20 m wide x 2.20 m deep. There is no paperwork for this Locus.

12. Installation Locus – Final bedrock; it has not been achieved throughout the square.

Object Summary O22

Reg #	Object	Date	Locus	Pail	Level	Location
1247	Pounder	19 May	2	2	875.61	21
1248	Glass Bead	19 May	2	2	875.65	24
1249	Nail	19 May	1	1	875.77	2
1255	Glass Rim	20 May	2	3	surface find	
1262	Bronze Fragment	20 May	2	3	surface find	
1263	Nail	20 May	2	3	875.52	18
1266	Coin	20 May	2	3	875.60	18
1267	Coin	20 May	2	3	875.74	5
1268	Coin	20 May	2	3	875.48	10
1269	Coin	20 May	2	3	875.64	12
1276	Slingstone	20 May	2	3	875.67	15
1317	Stopper	21 May	2	5	875.43	8
1321	Glass Rim	21 May	2	5	875.42	22
1327	Stoneware	21 May	2	5	875.15	5
1349	Coil	22 May	2	9	874.86	5
1356	Sandal Tack	22 May	2	9	875.03	23
1357	Flint Core	22 May	2	9	874.89	8
1359	Nail	22 May	2	9	874.98	8
1367	Tack	22 May	2	8	875.15	22
1390	Coin	22 May	2	9	875.06	21
1399	Stoneware	22 May	2	5	surface find	
1400	Ceramic Tile	22 May	2	5	surface find	
1405	Grinder	22 May	4	11	874.84	5
1424	Coin	22 May	2	10	874.75	13
1425	Coin	22 May	2	10	874.83	14

Reg #	Object	Date	Locus	Pail	Level	Location
1426	Coin	23 May	2	10	874.56	12
1427	Coin	23 May	2	10	874.83	6
1428	Coin	23 May	2	10	874.82	14
1429	Coin	23 May	4	11	874.61	14
1430	Coin	23 May	4	11	874.64	15
1431	Coin	23 May	4	11	874.67	20
1457	Coin	26 May	4	12	disturbed soil	
1460	Coin	26 May	4	12	disturbed soil	
1462	Coin	26 May	4	12	disturbed soil	
1463	Coin	26 May	4	12	874.59	15
1464	Coin	26 May	4	12	874.46	16
1467	Coin	26 May	4	12	disturbed soil	
1469	Coin	26 May	4	12	disturbed soil	
1470	Coin	26 May	4	12	874.81	16
1471	Coin	26 May	4	12	874.52	14
1472	Coin	26 May	4	12	874.73	15
1473	Coin	26 May	4	12	874.40	14
1474	Coin	26 May	4	12	disturbed soil	
1475	Coin	26 May	4	12	874.91	24
1482	Ostrakon	29 May	7	19	L.7 sift	8
1511	Coin	27 May	4	14	873.68	2
1512	Sandal Tack	27 May	4	14	disturbed soil	
1519	Grinder	27 May	4	12	874.41	16
1522	Slingstone	27 May	4	12	874.48	14
1524	Coin	27 May	4	14	874.49	23
1525	Coin	27 May	4	14	874.41	17
1526	Coin	27 May	4	14	disturbed soil	
1527	Coin	27 May	4	14	disturbed soil	
1528	Coin	27 May	4	14	874.63	30
1529	Coin	27 May	4	14	874.29	11

Reg #	Object	Date	Locus	Pail	Level	Location
1535	Grinder	27 May	4	14	874.53	18
1536	Grinder	27 May	4	14	874.59	22
1553	Slag	28 May	6	16	L.6 silo soil	8
1578	Coin	28 May	6	16	L.6 silo soil	8
1579	Coin	28 May	6	16	872.72	8
1580	Coin	28 May	6	16	872.47	8
1581	Coin	28 May	6	16	872.47	8
1582	Coin	28 May	6	16	872.54	8
1583	Coin	28 May	6	16	872.49	8
1584	Glassware	28 May	6	16	L.6 sift	8
1585	Arrowhead	28 May	6	16	872.49	8
1586	Glassware	28 May	6	16		8
1588	Bead	28 May	7	17	L.7 silo soil	8
1589	Earring	28 May	7	17	L.7 silo soil	8
1590	Bead	28 May	7	17	L.7 silo soil	8
1591	Coin	28 May	7	17	L.7 sift	8
1592	Coin	28 May	7	17	L.7 sift	8
1593	Coin	28 May	7	17	872.09	8
1594	Coin	28 May	7	17	872.09	8
1595	Coin	28 May	7	17	L.7 sift	8
1596	Coin	28 May	7	17	L.7 sift	8
1597	Coin	28 May	7	17	L.7 sift	8
1598	Coin	28 May	7	17	L.7 sift	8
1599	Coin	28 May	7	17	L.7 sift	8
1600	Coin	28 May	6	16	L.6 sift	8
1601	Coin	28 May	6	16	L.6 sift	8
1602	Coin	28 May	6	16	L.6 sift	8
1603	Coin	28 May	6	16	L.6 sift	8
1604	Coin	28 May	6	16	L.6 sift	8
1605	Coin	28 May	6	16	L.6 sift	8

Reg #	Object	Date	Locus	Pail	Level	Location
1606	Coin	28 May	6	16	L.6 sift	8
1607	Coin	28 May	6	16	L.6 sift	8
1608	Coin	28 May	6	16	L.6 sift	8
1609	Coin	28 May	6	16	L.6 sift	8
1610	Coin	28 May	6	16	L.6 sift	8
1611	Coin	30 May	10	21	874.32	23
1612	Grinder	28 May	6	15	874.37	14
1634	Coin	29 May	7	19	L.7 sift	8
1635	Nail	29 May	7	19	L.7 silo soil	8
1636	Stoneware	29 May	7	19	L.7 silo soil	8
1637	Coin	29 May	7	19	L.7 silo soil	8
1638	Coin	29 May	7	19	L.7 silo soil	8
1639	Coin	29 May	9	19	L.9 silo soil	16
1640	Coin	29 May	9	19	L.9 silo soil	16
1641	Coin	30 May	7	21	872.48	22
1642	Coin	29 May	7	19	L.7 sift	8
1643	Coin	29 May	7	19	L.7 sift	8
1644	Coin	29 May	7	19	L.7 sift	8
1645	Coin	29 May	7	19	L.7 sift	8
1646	Coin	29 May	7	19	L.7 sift	8
1647	Coin	29 May	7	19	L.7 sift	8
1648	Silo Capstone	29 May	5	18	874.36	8
1691	Coin	30 May	10	21	872.48	22
1718	Nail	30 May	10	21	L.10 silo soil	21
1719	Tack	30 May	4	22	L.4 sift	6
1720	Glassware	30 May	4	22	873.62	6
1721	Glassware	30 May	10	21	L.10 silo soil	21
1722	Glassware	30 May	10	21	L.10 silo soil	21
1723	Glassware	30 May	4	22		
1724	Nail	30 May	10	21	L.10 silo soil	22

Reg #	Object	Date	Locus	Pail	Level	Location
1726	Stoneware	30 May	4	14		
1727	Coin	30 May	4	22	L.4 sift	
1728	Coin	30 May	4	22	873.34	6
1729	Coin	30 May	4	22	873.61	6
1730	Coin	30 May	4	22		6
1731	Coin	30 May	4	22	873.34	6
1732	Coin	30 May	10	21	L.10 silo soil	21
1733	Coin	30 May	10	21	L.10 silo soil	21
1734	Coin	30 May	10	21	L.10 silo soil	21
1735	Coin	30 May	10	21	L.10 silo soil	21
1736	Coin	30 May	10	21	L.10 silo soil	22
1737	Coin	30 May	10	21	L.10 silo soil	21
1738	Coin	30 May	10	21	L.10 silo soil	21
1739	Coin	30 May	10	21	L.10 silo soil	22
1740	Coin	30 May	10	21	872.48	22
1741	Coin	30 May	10	21	872.89	22

Pottery Pail Summary for O22

Pail	Date	Locus	Reading	Published
1	19 May	1	4 LB I (refired 1); 1 IA I; 17 LH/ER	5
2	19 May	2	1 LH/ER	1
3	20 May	2	2 LB I; 2 IA I; 34 LH/ER	6
4	20 May	3	3 LH/ER	1
5	21 May	2	3 LB I (3 refired); 1 IA I; 32 LH/ER	10
6	21 May	3	1 LB I (1 ref.); 7 LH/ER	3
7	21 May	2	2 LB I; 1 IA I; 12 LH/ER	4
8	22 May	2	1 LB I; 25 LH/ER	4

Pail	Date	Locus	Reading	Published
9	22 May	2	3 LB I; 24 LH/ER	8
10	23 May	2	3 LB I (2 refired); 1 IA I; 34 LH/ER	6
11	23 May	4	2 LB I (2 refired); 1 IA I; 16 LH/ER	4
12	26 May	4	2 LB I; 102 LH/ER	13
13	27 May	2	2 LB I; 2 IA I; 18 LH/ER	7
14	28 May	4	4 LB I; 4 IA I; 44 LH/ER	10
15	28 May	4	5 LH/ER	4
16	28 May	6	1 LB I; 47 LH/ER *SEALED*	29
17	28 May	7	5 LH/ER *SEALED*	2
18	28 May	6	7 LH/ER *SEALED*	2
19	29 May	7	1 IA I; 26 LH/ER *SEALED*	12
20	29 May	9	11 LH/ER	3
21	30 May	10	37 LH/ER *SEALED*	14
22	30 May	4	1 LB I (1 refired); 1 IA I; 11 LH/ER	5

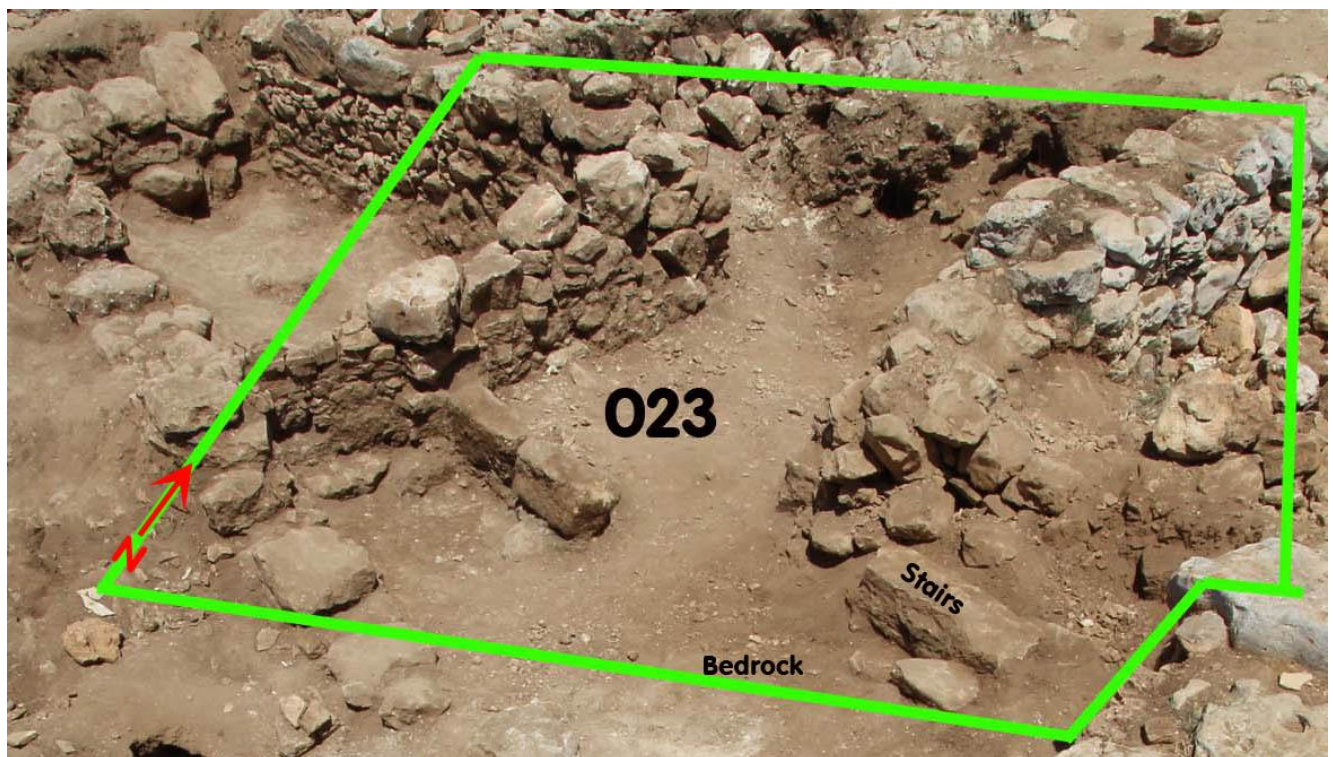
Photographs for O22

Number	File name	Description
11	KeM 2014-05-23 011.jpg	O22 Earth L.2, Architectural L.8
52	KeM 2014-05-30 052.jpg	O22 Earth L.4, Architectural Loci 5, 8, & 11
64	KeM 2014-05-30 064.jpg	O22 Earth L.4, Architectural Loci 5, 8, & 11
65	KeM 2014-05-30 065.jpg	O22 Earth L.4, Architectural Loci 5, 8, & 11

Summary

Square O22 is part of a larger courtyard area of a first century house. There is potentially a wall on the northern line that adjoins Square P22, but at the end of season it was still unclear. If there is a wall, the area in O22 is part of a room off the courtyard instead of a part of the larger courtyard. The peculiar construction of the silo with the stairway suggests that there was an alternative primary use prior to it being used as a silo. The quality of the archway, the stairway, and the oil lamp niche suggest it was possibly a tomb. Further investigation of inside the silo is warranted. Additional excavation is needed on the southern end of the square in order to finish to bedrock in some areas of the square.

SQUARE O23, 19–31 May (Steve Rudd, Square Supervisor)



O23 Final Photo (photo by Steve Rudd)

In 2000, a 2 m trench in the northeast corner of O23 was excavated. In 2014, the rest of the square was excavated. The primary benchmark was 876.27 at location 31, on top of L.4 (wall). Two secondary benchmarks were established in the square for ease of work. About 5 cubic m of earth that had been dumped by looters was cleared. Between days 5 and 6, a large pit was dug in O24, just outside the northeast corner of O23; 2 cubic m of never excavated earth was dumped into the southeast corner of O23. A separate locus L.21 was established for this fill. Interestingly, 6 walls were revealed in the square, two of which, were almost 1 m thick.

Modern garbage was found at location 20 beneath the socket stone next to wall 5 (about 875 m) and location 24 at 874.81 m. This may explain the large number of large stones piled next to locus 5 (wall) on the north side where the dirt fell through the openings, as opposed to being compacted with dirt.

An opening between the two ca. 1 m walls created an entrance, complete with a single step found *in situ* between the walls. An olive press stone was found; it was possibly reused as a lower socket stone that had tumbled down from a higher level. Also in this area, there was an interesting niche that was 1 x 1.5 m square.

There is clear evidence of remodeling since doorways in older walls were bricked-up (L.10) and new doorways were created in older walls (both ends of L.16).

Objects include: 30 coins, a ring, a makeup applicator, an earring, 1/3 of a 14 inch diameter grinding pedestal with leg, 3 sling stones, a knife blade, and an opus sectile paving stone.

Munsell colors were consistently near 7.5 YR 4/3, with variation depending more on the moisture content or lighting than a soil difference. Bedrock was reached only in two locations near the eastern end of the square (2 and 25). The square was unfinished because of the additional 7 cubic meters of fill that had to be removed.

Loci Details

1. **Earth Locus** - This was the soil beneath the dump layer from other P21 (looting). There was a rich variety of objects and pottery from the LH/ER era. There were 6 pieces of burnt wood, but considering contamination found in lower levels, it would be hard to accurately determine the age.
2. **Earth Locus** - This locus was directly below locus 1 but restricted to being west of L.11. There was no apparent difference between L.1 and L.2. L.2 yielded lots of pottery and objects. Top level was 874.81, and bottom was 874.22 at location 2. The remainder of the locus was not excavated down to bedrock.
3. **Architectural Locus** - This is a wall that was misidentified in 2000; the levels used for the top of the stones were not found. There was some tumble at approximately the same levels that Collins had recorded, but these were removed. However, 20-40 cm below, a row of rocks was found that was basically in the same line and location as Collins had identified. Given possible variations in square placement, leveling or recording errors back in 2000 AD, L.3 (Wall) could equal to L.16. However, L.3 was rejected as valid because it was based upon tumble stones that were above the actual wall.
4. **Architectural Locus** - This wall is clearly seen running 15 m NW, outside 023. It is the 1 m wide x 1.9 m high and constructed of seven courses of bolder and chink. It is identical in construction with L.5 (Wall), although clearly distinct from it. The benchmark (876.27 m)

was placed on top of this wall at location 31. Only about 30 cm of this wall was inside the square O23 as it glazed the southwest corner at location 31.

5. **Architectural Locus** - This 1 x 2 m high wall was constructed of bolder and chink and was seven courses high; it was never fully excavated on either side. However, bedrock was located just outside the northwest end of the wall at a level of 874.90. A large amount of medium sized tumble (30 cm) was removed from the north side of the wall; some still remains.
6. **Architectural Locus** - This .5 m wide interior wall runs diagonally through the square (as do all the walls) for 4.9 m. It is bolder and chink construction, with 7 courses that reached a height of 1.6 m. On the north side, a foundation trench (L.18) was discovered and excavated to bedrock. The south side of the wall was not exposed down to bedrock. L.6 (wall) intersected L.7 (wall) at an 82° angle. Although it appears to have originally run about 5 m, there was an original doorway (L.10) that was bricked up with clearly smaller and distinct stone from the composition of the wall. This indicated a remodeling of the interior of the area. While this wall was bricked in, another door was built into an older wall (L.16) as it continued to run to the north in P23, just outside O23. One or two courses of large tumble stones were recovered from the south side of the wall and placed on top of *in situ* stones.
7. **Architectural Locus** - This .5 m wide, 2.2 m long interior wall was made of boulder and chink construction and stood 1.2 meters high with 7 courses of stone. Locus 7 (Wall) intersected locus 6 (Wall) at 82° degrees and ran continuously to the north into P23 (and beyond) for another 5 m. There was a foundation trench (L.18) under this wall and L.6 (Wall). This could indicate that both walls were built at the same time. The east side of L.7 (Wall) was not fully excavated, but there were some sections that appeared to be construction of smaller stones, similar to those of L.10.
8. **Earth Locus** - This corresponds to L.1 but on the north side of loci 6 and 7 (Walls). This is the top layer of dirt removed. Top elevation was 875.40, and bottom was 875.01. No objects were found. LH/ER pottery was found.
9. **Earth Locus** - L.9 is directly below L.8. One object, a sling stone, was found, along with LH/ER pottery. Top elevation was 875.01, and the bottom was never reached because the square was not finished.
10. **Architectural Locus** - This is actually a doorway in L.6 (Wall) that was bricked up after L.6 (Wall) was constructed. The stones used to brick up the doorway were smaller and clearly different from the stones in L.6 (Wall). The doorway of bricked in stones is 1.2 m long and 1 m high. L.6 (Wall) is .5 m wide, but the bricked in area is only .25 m wide. There is a foundation ledge of rocks laid under this wall that protrudes. This foundation ledge is also seen on L.16 (Wall).

11. **Architectural Locus** - This locus consists of two almost identical stones .75 m long, .25 m wide and .50 m high. There is a 5 cm gap between the stones that are otherwise laid perpendicular to abutting L.6 (Wall). The top of the two stones is 874.81 m. Nearby, bedrock was 874.22. It was likely a threshold. Under the two stones there was pottery. Although bedrock was only 10 cm below the stones, the builders did not scrape down to bedrock to create a solid foundation. This, coupled with the fact the stones may have been soft and chalky when they were laid, may indicate that they were a small interior house wall.
12. **Earth Locus** - L.12 generally corresponds to L.2 but on the east side of L.11 out to the eastern balk. Much pottery and many objects were found in this locus. Modern garbage was found at location 24 at level 874.80. The locus was not excavated down to bedrock, but objects were uncovered down to 874.35.
13. **Earth Locus** - Looters dumped two cubic m of earth from the NW corner of O24 into the eastern end of O23. Some of the dirt did come from O23 but most came from O24. It was decided to create this locus and remove the dirt, to the best of our estimation, until we were back to the level before the looted earth was dumped. One coin and 1/3 of a 35.56 cm circular basalt grinding table with a leg were found. At location 18, the top elevation of the dump was 875.34 m; the bottom was at L.12 at 874.81 m.
14. **Architectural Locus** - This was an *in situ* step between the two 1 m wide walls, loci 4 and 5. It was laid close to bedrock with dimensions approximately 1.2 m long x .33 m x .33 m. Dimensions are estimates based on photographs. The stone was exactly perpendicular between loci 4 and 5 (Walls) and still at perfect level for use. The large 250 kg socket stone that was found tumbled at the stairs end of locus 5 (wall), indicates that the actual door was higher.
15. **Earth Locus** - This section south of L.5 (Wall) and the southern balk was not excavated much, but it does appear that large rocks were some time in the past thrown into this area. These surface rocks were cleared, but no dirt was actually removed in preparation for next season. Top elevation was 875.05.
16. **Architectural Locus** - At first appearance, this looks to be equal to the 200 L.3 (Wall). However, the size, shape, and level of the stones he identified did not match and were removed as tumble. Beneath these stones was a clear wall that continued from P23 into O23. There is a foundation ledge of rock under this wall that protrudes. This foundation ledge is also seen on L.10.
17. **Earth Locus** - This locus was created as dirt was removed from on top of the stairs. It functioned as a ramp to exit the square to dump dirt. The top level was 875.70; it was not finished. A coin and a knife blade were found but no pottery. This locus should reveal some interesting finds next season.

18. **Installation Locus** - This is the foundation trench for loci 6 and 7 (Walls). It was 5.2 m long as it traced an "L" shape along the two walls. Only the northern side was excavated. The trench extends horizontally beyond the first course of stones about .25m. The trench will likely be visible as further excavations are done on the south sides of loci 6 and 7. Since the wall is .5 m wide, this would make the trench a total of about .75 m wide.
19. **Earth Locus** - This is the earth inside installation L.18, foundation trench. No pottery or objects were found. However, only the north side was excavated.
20. **Installation Locus** - This was bedrock. Bedrock was reached at location 2 at 874.22 and at location 25 at 874.90. Ninety five percent of the square was not excavated to bedrock.
21. **Earth Locus** - This was the material that was dumped into the square from P21. The top level in this area was 876.27 or .72 m higher than it was in 2000. 42 pieces of diagnostic pottery were found, none of which were published, and 131 pieces of diagnostic pottery the second day, 17 of which were published. Three coins were found in this dumped material.

O23 has a clear entrance with an *in situ* step laid between two 1 m wide walls. There appears to be a series of steps leading up to what could have been a door that was at least 2 m higher than floor level in the city. The 1 x 1.5 m niche area flanked by loci 6, 10, 16, 11 is a curiosity. The remodeled "bricked up" door that was once in the wall, along with the reused olive press stone as a door socket, may indicate changes were made on a larger scale throughout the city. With such clear evidence of remodeling seen in O23, other remodeled areas might be identified outside O23. It is unknown when this remodeling happened. Architectural loci 6, 7 (Walls) were older and had a foundation trench dug under them (L.18), but Architectural L.16 (Wall) and the bricked in doorway (L.10) had small foundation stones laid on bedrock. These two construction styles lead to the conclusion that loci 10, 11, and 16 were all part of this later remodeling, and loci 6 and 7 (Walls) were older.

Note: Pottery pails 5, 6, and 7 were originally assigned to L.1 but have now been reassigned to L.21. Three coins, objects 1270, 1271, and 1272 were originally assigned to L.1 but have now been reassigned to L.21.

Objects for O23

Note: A small pounder (object #548) Locus 1, Pail 3 was found on 15 June 2000

Reg #	Date	Locus	Pail	Description
1270	20 May	21	7	Coin
1271	20 May	21	7	Coin
1272	19 May	21	5	Coin
1274	20 May	1	7	Coin
1313	21 May	1	8	Slingstone
1316	21 May	1	8	Slingstone
1318	21 May	1	8	Stopper
1319	21 May	1	8	Grinder
1326	21 May	1	8	Hook
1328	21 May	1	8	Ring
1329	21 May	1	8	Makeup applicator
1340	21 May	1	18	Coin
1343	21 May	1	18	Coin
1358	22 May	1	9	Horseshoe Nail
1375	22 May	1	9	Coin
1396	22 May	1	9	Opus Sectile
1434	23 May	1	10	Coin
1458	26 May	1	13	Coin
1459	26 May	1	13	Coin
1461	26 May	1	13	Iron Fragment
1468	26 May	15	13	Grinder
1513	27 May	1	17	Hook
1514	27 May	1	17	Coin
1515	27 May	13	14	Coin
1516	27 May	2	15	Coin
1517	27 May	1	13	Cult Leg?

Reg #	Date	Locus	Pail	Description
1561	28 May	12	18	Coin
1562	28 May	12	18	Ornamental Carved Stone
1563	28 May	12	18	Coin
1564	28 May	12	18	Coin
1565	28 May	12	18	Coin
1566	28 May	12	18	Coin
1567	28 May	12	18	Coin
1568	28 May	12	18	Coin
1615	28 May	9	19	Sling stone
1618	28 May	12	18	Pounder
1620	29 May	12	18	Grinder
1625	29 May	2	20	Coin
1626	29 May	2	20	Coin
1627	29 May	2	20	Coin
1628	29 May	2	20	Coin
1629	29 May	2	20	Coin
1702	30 May	2	21	Nail
1703	30 May	17	22	Knife Blade
1704	30 May	17	22	Coin
1705	30 May	2	21	Coin
1706	30 May	2	21	Coin
1707	30 May	2	21	Coin
1708	30 May	2	21	Coin
1709	30 May	2	21	Ring
1710	30 May	2	21	Stone Object
1716	27 May	13	14	Grinder

Pottery Pails for O23

Note: Pails 1-4 (2000 season) likely misread the LH/ER pottery for BYZ pottery.

Pottery Pails Summary O23 May 2014

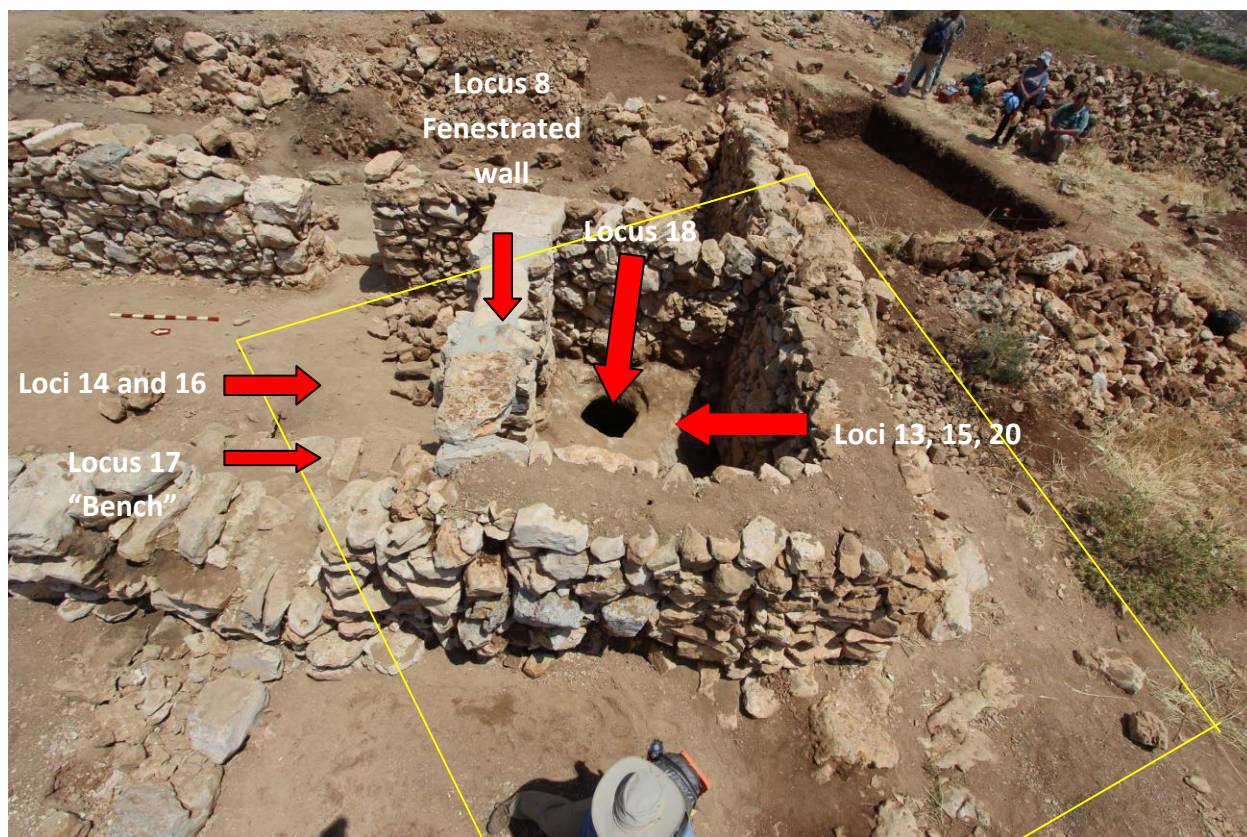
Pail	Date	Locus	Reading	Published
1	13 June 2000	1	2 Byz	1
2	14 June 2000	1	6 LH/ER; 2 Byz	3
3	15 June 2000	1	3 Byz	1
4	15 June 2000	2	5 LH/ER; 2 Byz	3
5	19 May	21	3 LB I all refired; 1 IA I; 15 LH/ER	0
6	19 May	21	5 LH/ER	0
7	20 May	21	2 LB I; 1 IA I; 84 LH/ER	17
8	21 May	1	8 LB I 6 refired; 74 LH/ER	23
9	22 May	1	3 LB I all refired; 53 LH/ER	10
10	23 May	1	1 LB I refired; 9 LH/ER	2
11	23 May	8	1 LB I refired; 9 LH/ER	2
12	23 May	9	2 LH/ER	0
13	26 May	1	2 LB I; 1 IA I	10
14	27 May	13	17 LH/ER	0
15	27 May	2	2 LH/ER	0
16	28 May	2	No pottery	0
17	27 May	1	No pottery	0
18	28 May	12	52 LH/ER	16
19	28 May	9	No pottery	0
20	29 May	2	3 IA I; 44 LH/ER	18
21	30 May	2	75 LH/ER	22
22	30 May	17	13 LH/ER	6

Photographs for O23

Number	File name	Description
52	KeM 2014-05-30 052.jpg	Overhead looking north

Number	File name	Description
53	KeM 2014-05-30 053 023.jpg	Panorama (Rudd)
54	KeM 2014-05-30 054.jpg	Overhead of north end
55	KeM 2014-05-30 055.jpg	Overhead looking west
56	KeM 2014-05-30 056 023.jpg	Entrance area and step
65	KeM 2014-05-30 065.jpg	Overhead looking north
66	KeM 2014-05-30 066.jpg	Photographic drawing of entrance area and step
80	Kem 2014-05-30 080.jpg	Aerial of O23 (Drone)

SQUARE P20, 19-31 May (Brian Peterson, Square Supervisor and Mark Hassler, Asst. Sq. Sup.)



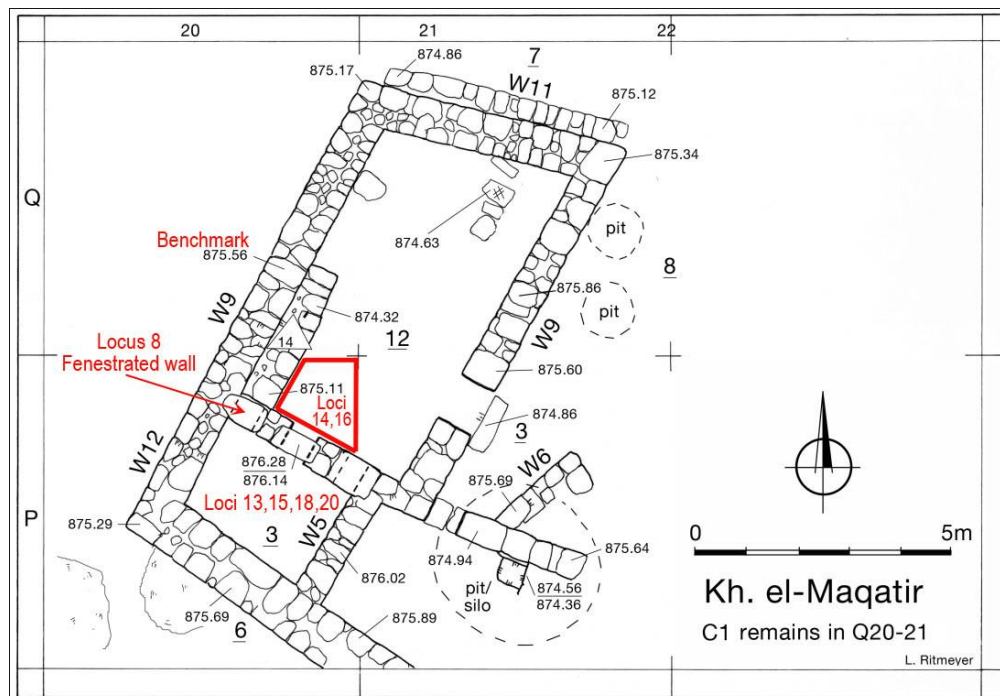
P20 Overview (photo by Michael C. Luddeni)

P20 was excavated in 2011 by Dr. Eugene Merrill; however, two areas had not been excavated to bedrock: 1) the floor of the “stable”; and 2) the area to the immediate north of the fenestrated wall (L.8) in locations 5, 6, 11, and 12. Two teams worked to complete this task.

Loci Details

13. Earth Locus - L.13 is in the “stable” (i.e., the original floor level, which had a mixture of undisturbed soil and debris that was thrown over the walls into this room by local diggers after the 2011 season). Munsell soil number was 7.5 YR 4/4. The debris and soil layer above L.15 was approximately 0.31m in depth above the flagstone floor (L.15). The average top elevation was 874.64 m with the bottom elevation of 874.33 m.

14. Earth Locus - L.14 is the area north of fenestrated wall (L.8), which is under L.4 from the 2011 season. It had an average depth of 0.31m. Munsell number was 7.5 YR 4/4. L.14 seals against the bench (L.17=L.14 from 2011 season) to the west. L.14 had a random elevation with a mixture of debris from the local diggers (average top elevation of 874.81 m and an average bottom elevation of 874.50 m). L.4 had an average top elevation of 876.30 m and an average bottom elevation of 874.81 m. Loci 14 and 16 run 2 m from north to south along locations 6-12 abutting and sealing against the fenestrated wall, L.8 to the south. These loci are trapezoidal running about 1.8 m east to northwest along L.8 and seal against the bench (L.17) on the west (see red arrows in pictures below).



P20 Loci From Top Plan Drawing (courtesy of Leen Ritmeyer with red by Brian Peterson)

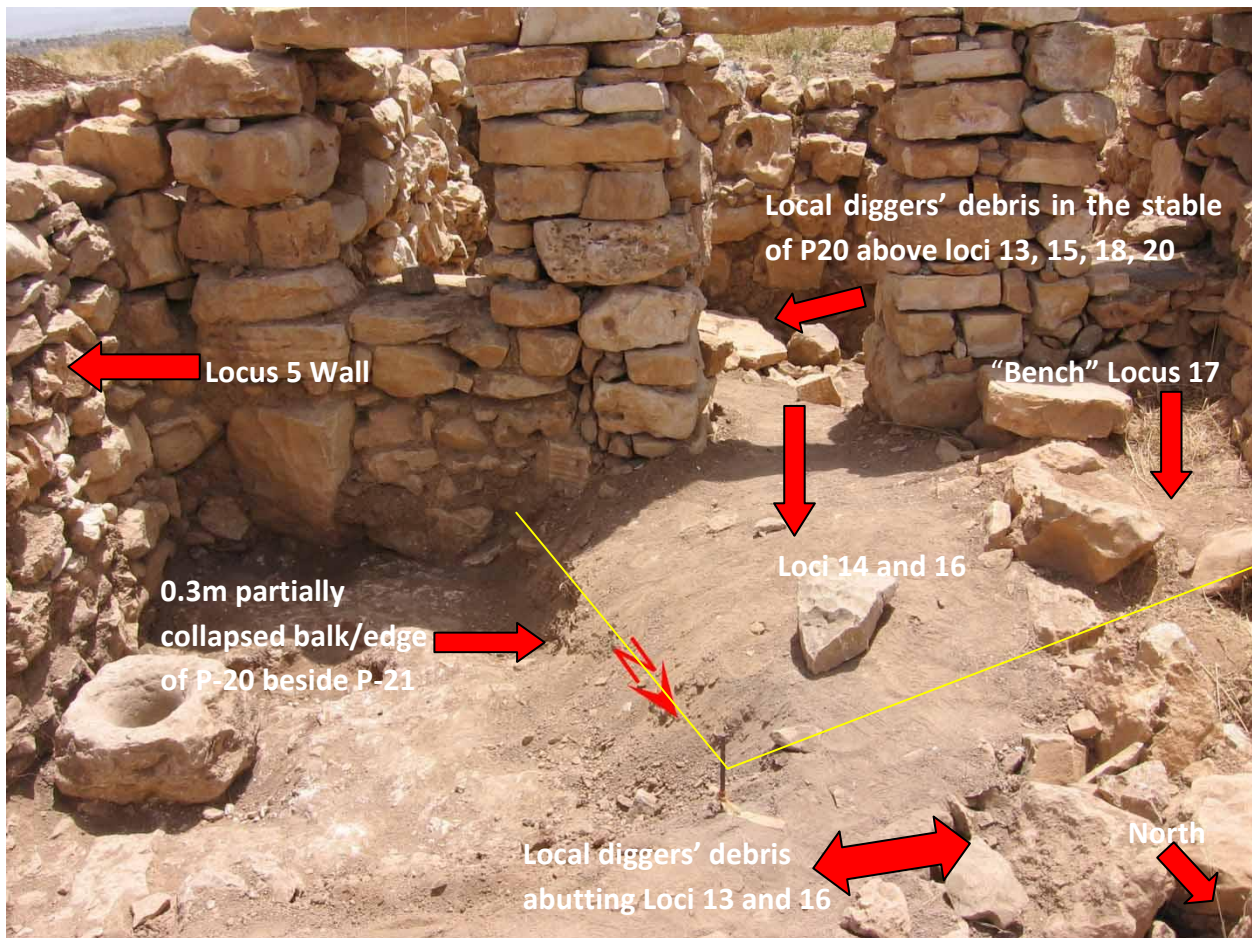
15. Installation Locus - L.15 is the flagstone floor in the “stable” below L.13 and above L.20 with an average top elevation of 874.33 m and an average bottom elevation of 874.23m. The 0.1 m (avg.) thick flagstones had a random pattern (see picture below). A few coins were found at the flagstone-floor level (objects #1379, 1380, 1382, 1383) that should help date L.15.



P20 Behind the Fenestrated Wall (photo by Michael C. Luddeni)

16. Earth Locus - This was a 0.12 m hard-packed soil layer below L.14 and above bedrock. Munsell Number was 7.5 YR 4/4. L.16 had an average top elevation of 874.50 m and an average bottom elevation of 874.38 m. Loci 14 and 16 were small and somewhat mixed at the edges (i.e., the loci were so small that material from the top layer could easily fall down into the lower locus due to the fact that the excavation of P21 in the 2013 season left a low balk of about 0.3 m on the east side of loci 14 and 16 (see picture immediately below). Also, the refilled floor to the main Room A of the house of Q20 and Q21 to the north of P20 had loose debris as well that could contaminate these two loci in P20. When excavation began to complete loci 14 and 16, the low balk on the east edge bordering P21 was squared. Further, material and objects coming

out of these loci were hard to pinpoint with accuracy due to the contamination by local diggers both in the offseason and during the nights of the 2014 dig season. On day two, a second scarab was found (obj. #1260 – Hyksos in appearance) in the sifting from this material. The scarab likely came from the lower level of L.16 although it is not certain due to the contamination as noted immediately above. Another possibility is that the scarab came from P21 and was thrown over Locus (Wall) 5 in P21 by looters after the 2012 season. This material was tramped to a hard-packed consistency by the many people walking in and out of the house and stable. Interestingly, the lowest elevations of L.16 (874.38 m) are close to the lowest elevations of L.20 in P21 where the Amenhotep II scarab (elev. 874.40 m) from the 2013 dig season was found. Perhaps the looters dug the second scarab out of this level and threw it over L.5 (Wall) depositing it in Locus 14 or 16.



P20 Loci (photo by Michael C. Luddeni)

17. Installation Locus - This locus (also designated a “bench”) is an average of 0.59 m high with a top elevation of 875.1 m and a bottom elevation of 874.52 m. It is situated in the SW corner of the main Room A of the house and is above L.19 and bedrock. It seals against the west wall

(L.9) of Room A and L.8 (the fenestrated wall) on the south. This bench was removed in order to determine if any LB I material was below it. Installation L.19 was found. (Note: There is some confusion as to labelling of this locus from previous years—it is either 14 or 15).

18. Installation Locus - This is a silo 2.28 m deep in the NE corner of “stable” with a top elevation of 874.29 m and bottom elevation of 872.01 m. This silo was completely filled with hard-packed soil (Munsell Number 7.5 YR 4/4) and stones. Numerous coins were found in the silo (see for example objects #1432, 1446, 1487, 1489, 1544–48) that will help date the silo. The walls showed no signs of plastering. At the very bottom of the silo, there was a large flat stone about 0.08 m thick and about 0.8 m in diameter, broken in half, which may have served as a cover for the silo at an earlier stage.

19. Installation Locus - This is a shallow bowl-shaped pit 0.19 m deep by 0.6 m diameter in bedrock under L.17 with a mendable ER vessel (object #1717) in the shallow pit (top elevation 874.43 m and bottom elevation 874.24 m). In the vessel a bone was found and a few odd shaped rocks, which were determined to be debris.



P20 L.19 Mendable Cooking Pot (photo by Michael C. Luddeni)

20. Earth Locus - L.20 is the material below the flagstone floor (L.15) and above the undulating bedrock. Munsell Number was 7.5 YR 4/4. This locus had an average top elevation of 874.23 m and an average bottom elevation of 874.50 m. In this locus was found a combination of IA I and LH/ER pottery (see pails 39, 41, 46) and a number of coins (e.g., object #1385, 1380, 1379, 1382, 1383, etc.).

Objects for P20

Reg #	Object	Date	Locus	Pail
1250	Basalt Grinding Stone	20 May	14	38
1256	Metal ring	20 May	16	39
1257	Glass	20 May	13	37
1258	Metal fragment	20 May	13	37
1259	Folded metal w/hole	20 May	14	38
1260	Scarab	20 May	16	39
1261	Nail	19 May	13	35
1264	Coin	20 May	14	38
1265	Coin	20 May	13	37
1273	Coin	19 May	14	36
1280	Stoneware	20 May	13	37
1314	Sling Stone	21 May	16	41
1335	Tack	21 May	13	40
1336	Coin	21 May	17	42
1337	Coin	21 May	18	43
1338	Coin	21 May	18	43
1339	Coin	21 May	18	43
1348	Bead	22 May	20	45
1352	Jar stopper	22 May	20	45
1361	Coin	22 May	20	45
1362	Coin	22 May	20	45
1363	Coin	22 May	20	45
1364	Coin	22 May	20	45
1365	Coin	22 May	18	44
1366	Coin	22 May	18	44
1379	Coin	22 May	20	45
1380	Coin	22 May	20	45
1382	Coin	22 May	20	45

Reg #	Object	Date	Locus	Pail
1383	Coin	22 May	20	45
1384	Coin	22 May	18	44
1385	Coin	22 May	20	45
1389	Coin	22 May	18	44
1406	Grinding Stone	22 May	18	44
1416	Coin	23 May	20	47
1417	Coin	23 May	20	47
1418	Coin	23 May	20	47
1419	Coin	23 May	20	47
1420	Coin	23 May	20	47
1422	Coin	23 May	20	47
1432	Coin	23 May	18	48
1446	Coin	26 May	18	49
1447	Coin	26 May	20	50
1477	Half a pounder	26 May	18	49
1478	Sickle and shaft	27 May	18	51
1483	Glass	27 May	18	51
1487	Coin	27 May	18	51
1489	Coin	27 May	18	51
1531	Metal	27 May	18	51
1544	Coin	28 May	18	52
1545	Coin	28 May	18	52
1546	Coin	28 May	18	52
1547	Coin	28 May	18	52
1548	Coin	28 May	18	52
1550	Tack	28 May	18	52
1655	Stopper	28 May	18	52
1717	Mendable Vessel	22 May	19	47

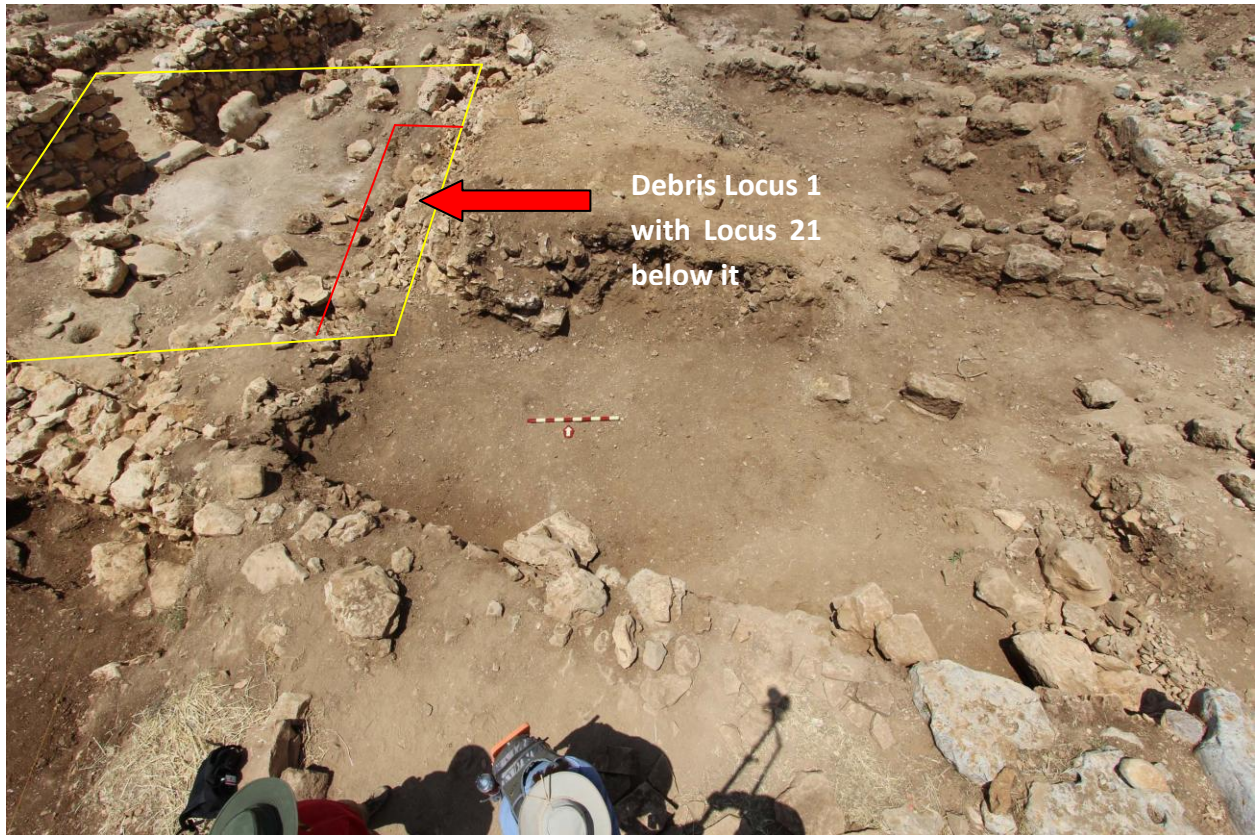
Pottery Pails for P20

Pail	Date	Locus	Reading	Published
35	19 May	13	1 IA I; 32 LH/ER	4
36	19 May	14	11 LH/ER	4
37	20 May	13	30 LH/ER	5
38	20 May	14	3 LB I; 11 LH/ER	4
39	20 May	16	6 LH/ER	1
40	21 May	13	2 LB I; 8 LH/ER	3
41	21 May	16	2 IA I; 16 LH/ER	1
42	21 May	17	6 LH/ER	2
43	21 May	18	1 LB I; 1 IA I; 14 LH/ER	6
44	22 May	18	7 LH/ER	7
45	22 May	20	2 LB I; 13 LH/ER	7
46	22 May	16	5 LH/ER	1
47	23 May	20	1 IA I; 7 LH/ER	4
48	23 May	18	2 LB I (refired); 1 IA I; 15 LH/ER	4
49	26 May	18	2 IA I; 13 LH/ER	5
50	26 May	20	1 LB I; 5 LH/ER	3
51	27 May	18	2 LB I; 31 LH/ER	11
52	28 May	18	22 LH/ER	7

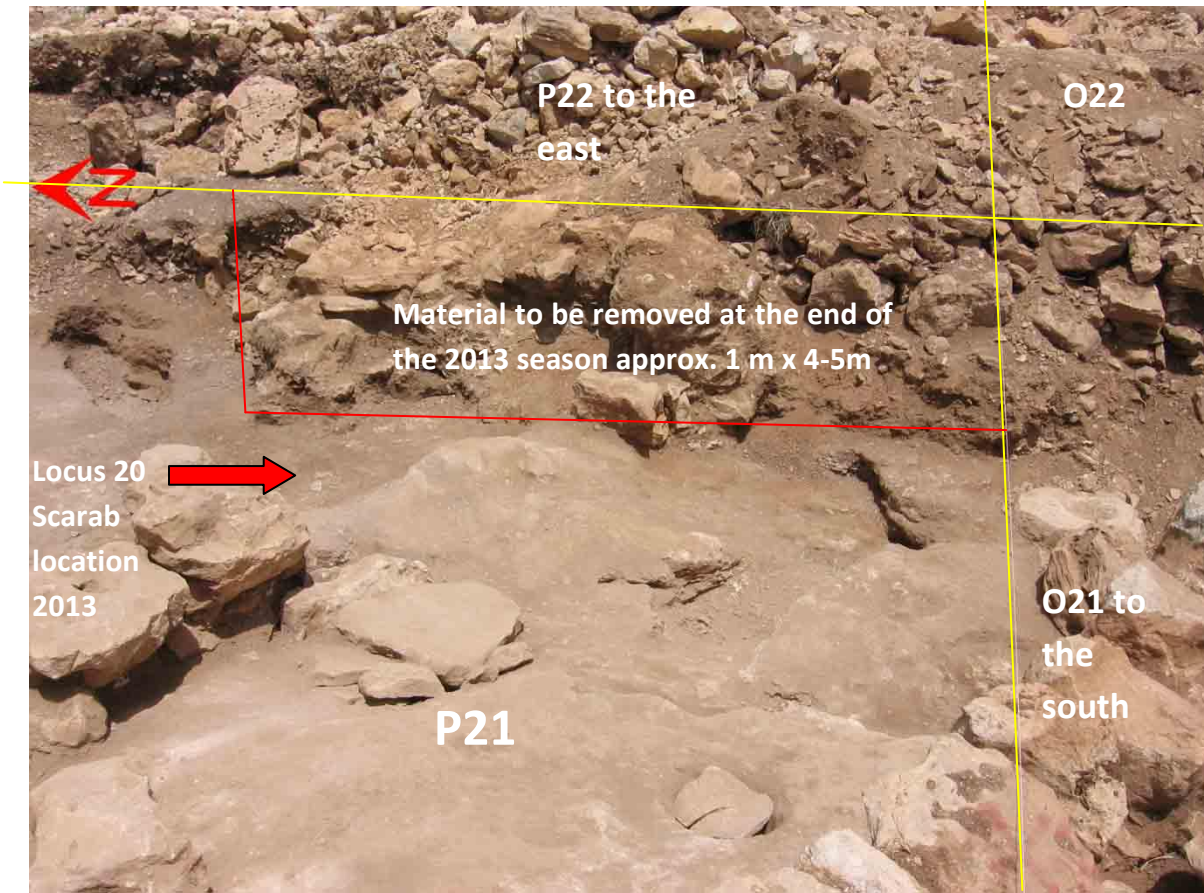
Photographs for P20

Number	File Name	Description
8	KeM 2014-05-23 008.jpg	P20 Loci 14, 16, 17 of Room A looking east
9	KeM 2014-05-23 009.jpg	P20 Stable and Room A looking east Loci 13, 18, 20
61	KeM 2014-05-30 061.jpg	P20 Stable looking Northwest
63	KeM 2014-05-30 063.jpg	P20 Stable looking North
80	KeM 2014-05-30 080.jpg	Aerial view of overall site

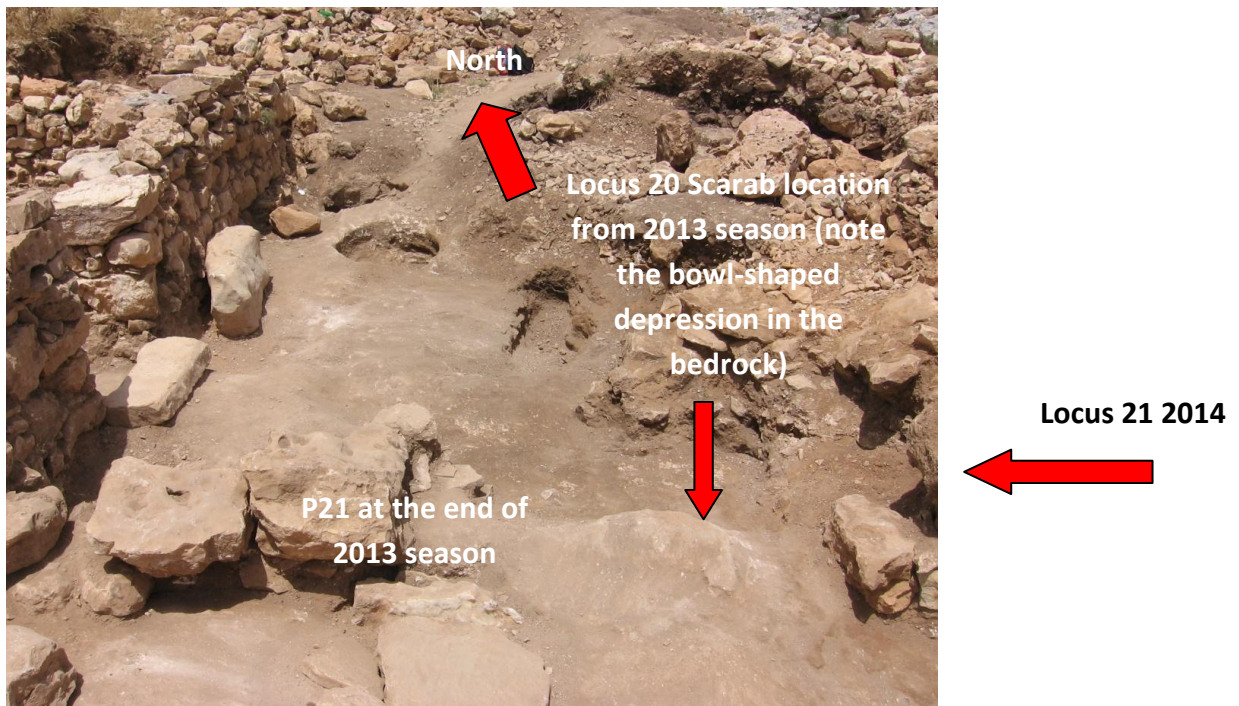
SQUARE P21, 19-23 May (Brian Peterson, Square Supervisor and Mark Hassler, Asst. Sq. Sup.)



P21 Overview (photo by Michael C. Luddeni)



P21 Overview (photo by Michael C. Luddeni)



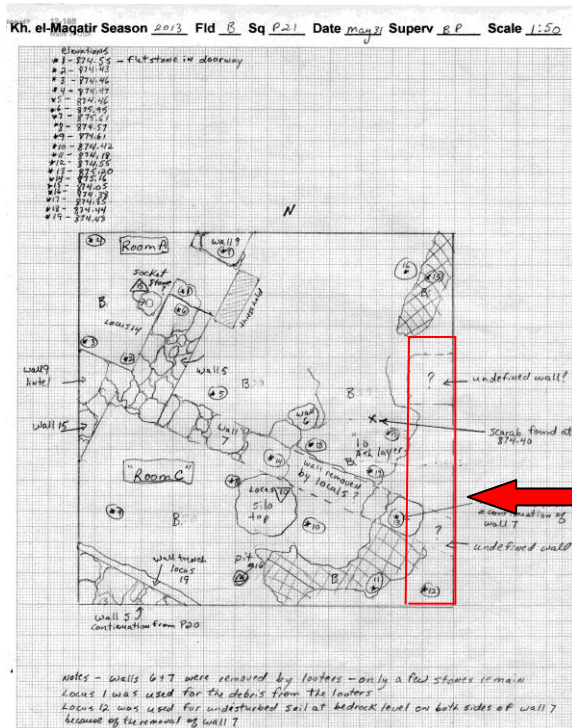
P21 End of 2013 Season (photo by Michael C. Luddeni)

Five days were spent completing this square that was started in 2012 and almost completed in the 2013 season. The first three days of the 2014 season were spent cleaning up the debris from the destruction from the looters after our 2013 dig season. This debris was designated as Earth L.1. Beneath this debris was hard-packed earth (L.21) next to the bedrock.

Loci Details

1. Earth Locus - This was the removal of debris from local diggers after 2013 season. No elevations were taken on this material due to the fact it had been excavated in the 2013 season down to L.21 and bedrock.

21. Earth Locus - This was a small strip of hard-packed material about 1 m or less wide and about 4-5 m long running in a north-to-south trajectory. This material was to the immediate east of where the Amenhotep II scarab was found in 2013. However, during the 2013 dig season there was not enough time to complete the excavation of this last bit of material. The only object found in this remaining material from this locus was a broken poulder (obj. #1275). Out of the three pottery pails (Pails 59, 60, 63) that came out of L.21 this year, 3 pieces of LB I pottery were confirmed along with several LH/ER pieces. This is somewhat typical of this level due to the pockets of hard-packed earth in the undulating bedrock. The Amenhotep II scarab was found in a bowl-shaped depression in the bedrock last year. L.21 was slightly higher and east of this bowl-shaped depression. The strata can change in just a few centimetres.



Top plan from 2013 showing approximately 1 m area to the east of the square yet to be excavated. The undefined walls were later destroyed by vandals.

P21 2013 Top Plan (courtesy of Brian Peterson)

Objects for P21

Reg #	Object	Date	Locus	Pail
1251	Ceramic stopper	19 May	1	57
1253	2 Tacks	19 May	1	57
1275	Stone pounder	20 May	21	59
1277	Stoneware	19 May	1	57
1278	Stoneware	19 May	1	57
1279	Stopper	20 May	1	58
1404	Stoneware	20 May	1	62

Pottery Pails for P21

Pail	Date	Locus	Reading	Published
57	19 May	1	10 LB I (6 refired); 3 IA I; 219 LH/ER	20
58	20 May	1	12 LB I (10 refired); 2 IA I; 50 LH/ER	10
59	20 May	21	1 Iron I; 4 LH/ER	0
60	21 May	21	1 LB I; 1 Iron I; 10 LH/ER	5
61	21 May	1	4 LB I (all refired); 2 IA I; 45 LH/ER	14
62	22 May	1	2 LH/ER	2
63	22 May	21	2 LB I (refired); 3 LH/ER	1

Photographs for P21

Number	File Name	Description
5	KeM 2014-05-23 005.jpg	P21 Looking west
6	KeM 2014-05-23 006.jpg	P21 Looking west
11	KeM 2014-05-23 011.jpg	Upper right side of picture P21 Looking north
59	KeM 2014-05-30 059.jpg	P21 Looking south
60	KeM 2014-05-30 060.jpg	P21 Looking south
63	KeM 2014-05-30 063.jpg	P21 Looking north
80	KeM 2014-05-30 080.jpg	Aerial view of overall site

SQUARE P22, 19–31 May (Brian Peterson, Square Supervisor & Mark Hassler, Asst. Sq. Sup.)



P22 Overview (Photo by Michael C. Luddeni)

This square is a continuation of the rooms in the first-century house. It was opened in the second week and has not been completed. Most of the time spent excavating in this square was devoted to removing a large pile of debris from previous dig seasons and the looters' discarded material. It was only in the last two days of the dig season that there was clarification on where the walls were running and the possibility of subterranean installations. All balks have been removed due to the heavy tumble and debris throughout this and the adjoining squares. The remainder of L.1 on the north side of the square, about 4 m wide by the full length of the square, remains to be excavated. On the last two days, a probe in the SW and SE portions of the square was executed in order to salvage any of the valuable artifacts in that area before the local vandals destroyed or robbed the material. This probe paid off when the head of a zoomorphic figurine (obj. #1658) was discovered in the sift from L.4. If this figurine is Amorite or Egyptian, then this may prove that the lowest level of this hard-packed material is equal to L.20 of P21. L.4 is only a couple of meters to the east of L.20 from P21 where the Amenhotep II scarab was found in 2013.

Loci Details

1. Earth Locus - L.1 is the surface debris and material deposited in the square from previous dig seasons. No top elevations were taken due to the random nature of the debris pile, but it averaged about 1–1.5 m in depth. No Munsell soil sample was taken because of the predominance of stone material. A Roman die was found (obj. #1476), which may connect to the Roman destruction of the site in AD 69. Because this die was found in the sift material from L.1, it is hard to determine whether it was *in situ* on top of L.2 or from debris from previous digging activity.

2. Architectural Locus – L.2 is a wall approximately 0.8 m wide made up of unhewn stones with cobble fill. It is on the eastern portion of the square running in a NW to SW direction. It “Ts”/abuts with L.5 (Wall) to the south and abuts L.2 (Wall) from P23. The top of L. 2 (equals L.14 in P23) had elevations of 875.56 m on the northeast end, 874.51 m at the middle, and 874.82 m on the SW end. The bottom of the wall is still unclear. To date, we have excavated the wall to about 0.5m in height. A doorway toward the NE end of L.2, about 1.3 m wide, along with flagstones in the doorway (elevation 874.80 m) have been revealed. A large ashlar lintel that was worked on one edge (1.6 m x 0.8 m x 0.4 m [avg.]) was found in L.1 situated to the west of L.2 and close to the doorway.

3. Earth Locus - L.3 is on the east side of L.2. This locus had a top elevation of 875.56 m at location 6. It is an incomplete locus with no Munsell number. On the SE side of the square at locations 29, 30, 35, and 36 a new locus (#6) was started. The bottom elevation of this portion of L.3 (and top of L.6) was 874.58 m at location 29.

4. Earth Locus - L.4 is the area immediately to the west of L.2 and to the north of L.5. Top elevation at location 26 is 874.80 m, and the bottom elevation is yet to be determined due to the fact the excavation is incomplete. This material was hard-packed and at roughly the same level as Loci 18, 20, and 21 of P21. The head of a zoomorphic figurine (obj. #1658) was discovered in the sift from L.4. Even though this locus is not yet complete, as in the case of L.6, it appears to be opening up into a subterranean cavern of some sort. Also, it must be pointed out that due to looters, this locus has been disturbed in different areas from their probing into this region during the past two years. No Munsell number has been recorded to date.

5. Architectural Locus - L.5 (equals L.7, Wall, in P21) is an unfaced wall running from south to NW continuing into P21 to the west and O22 to the south. It averages about 0.6 m in width and 0.45 m at its highest point (upper elevation at location 34 is 874.89 m with a lower elevation of 874.44 m at the same location). It is made up of a single row of unhewn stones with cobble fill. Over the past two years, vandals destroyed most of this wall (in P21 and O22). Some reconstruction of this wall in P21 was done this season where it abuts L.5 (Wall) from P21 (see square pictures). Even in P22, this wall has been badly damaged by local diggers and very little

of the original remains. All that was found was one course, about 1 m long where it “T”ed/abutted with L.2 (Wall).

6. Earth Locus - L.6 is the hard-packed material to the east of L.2 in the SE corner of the square. The top elevation at location 29 was 874.58 m. On the last day, L.6 appeared to be opening up into a subterranean cavern or silo of some type. L.6 also had a series of coins found in it (see objects #1652, 1663, 1665, 1667, 1669, 1670) and a mixture of LB I and LH/ER pottery, the latter being the most frequent. This locus is incomplete, and no Munsell reading has been taken.

Objects for P22

Reg#	Object	Date	Locus	Pail
1415	Glass rim	23 May	1	1
1423	Coin	23 May	1	1
1442	Grinding Stone	23 May	1	1
1449	Coin	26 May	1	2
1451	Coin	26 May	1	2
1453	Coin	26 May	1	2
1476	Roman die	27 May	1	3
1488	Coin	27 May	1	3
1490	Coin	26 May	1	2
1491	Coin	27 May	1	3
1492	Coin	27 May	1	3
1493	Coin	27 May	1	3
1494	Coin	27 May	1	3
1495	Coin	27 May	1	3
1532	Tack	27 May	1	3
1533	Sling Stone	28 May	1	4
1534	Opus sectile	28 May	1	4
1537	Pottery Sherds	27 May	1	3
1538	Sling Stone	28 May	1	4
1542	Coin	28 May	1	4

Reg#	Object	Date	Locus	Pail
1543	Coin	28 May	1	4
1549	Coin	28 May	1	4
1613	Stoneware	29 May	1	6
1617	Sling Stone	29 May	3	7
1619	Stoneware	29 May	3	7
1649	Stone pounder	30 May	6	13
1651	Coin	30 May	1	10
1652	Coin	30 May	6	13
1653	Coin	30 May	4	12
1654	Bracelet piece	30 May	4	12
1656	Coin	29 May	1	6
1657	Coin	29 May	1	6
1658	Bronze fig. head	30 May	4	12
1659	Tack	29 May	1	6
1660	Coin	29 May	1	6
1661	Coin	30 May	1	10
1662	Coin	30 May	4	12
1663	Coin	30 May	6	13
1664	Coin	30 May	4	12
1665	Coin	30 May	6	13
1666	Tack	30 May	3	11
1667	Coin	30 May	6	13
1669	Coin	30 May	6	13
1670	Coin	30 May	6	13
1671	Coin	30 May	1	10
1674	Pottery with hole	29 May	3	7
1711	Grind stone	30 May	6	13

Pottery Pails for P22

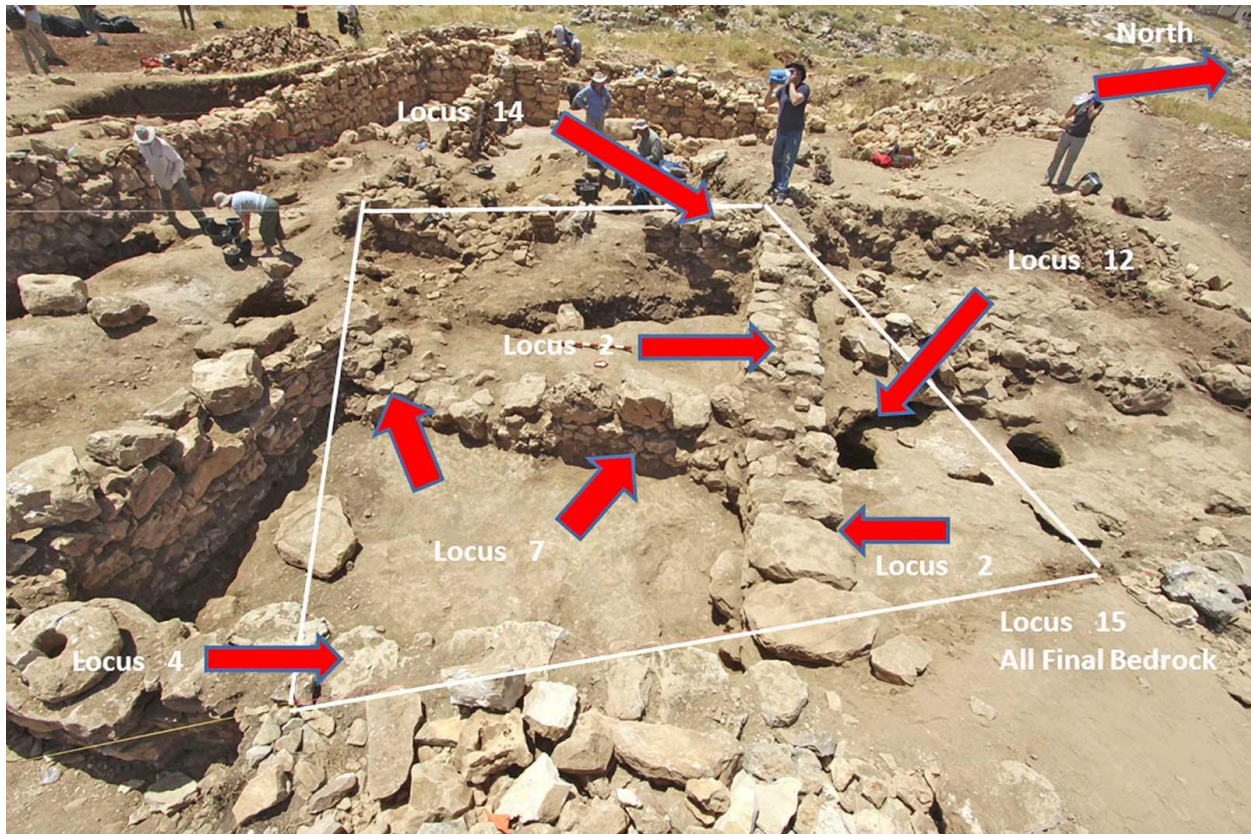
Pail	Date	Locus	Reading	Published
1	23 May	1	1 IA I; 17 LH/ER	4
2	26 May	1	2 LB I; 3 IA I; 30 LH/ER	8
3	27 May	1	6 LB I (5 refired); 3 IA I/ 97 LH/ER	25
4	28 May	1	4 LB I (3 refired); 2 IA 1; 67 LH/ER; 3 Byz (?)	18
5	28 May	3	11 LH/ER; 2 Early Islamic	5
6	29 May	1	1 MB III juglet; 2 LB I (refired); 3 IA I; 156 LH/ER	33
7	29 May	3	1 LB I (refired); 21 LH/ER	7
8	29 May	4	14 LH/ER	10
9	29 May	6	1 LB I; 5 LH/ER	3
10	30 May	1	24 LH/ER	11
11	30 May	3	28 LH/ER	9
12	30 May	4	1 LB I; 1 IA I; 79 LH/ER	21
13	30 May	6	38 LH/ER	10

Photographs for P22

Number	File Name	Description
6	KeM 2014-05-23 006.jpg	P22 before excavation with P21 complete
9	KeM 2014-05-23 009.jpg	P22 before excavation in top left of pic. P20 in foreground
11	KeM 2014-05-23 011.jpg	P22 as surface debris (L.1) is being removed
52	KeM 2014-05-30 052.jpg	Final day (see picture above) looking north
59	KeM 2014-05-30 059.jpg	Final day looking SW
64	KeM 2014-05-30 064.jpg	Final day close up of Loci 2 and 5 (being shot for elevations)

SQUARE P23, 19-31 May (Scott Stripling and Henry Smith, Square Supervisors)

P23 was excavated in its entirety of 6 x 6 m, with the exception of L.12, which was not completed. Both the north and east balks were fully removed. The pottery was largely LH/ER, and 62 objects were recorded. Most of the square was part of a large, two section room within a much larger LH/ER house. Square P23's wall structures are part of a much larger house that extends across numerous squares. The eastern section appears to have been a complete room, and the western section is still underdetermined.



Architectural Loci in Square P23 (photo by Michael C. Luddeni)

Loci Details

1. Earth Locus – Surface debris was approximately .2 m deep. Top elevation was 875.62, and the bottom elevation was 875.43. Munsell reading was 7.5 YR, 4/3. Soil was very loose. The locus was located over Loci 2, 3, and 5. One piece of Stoneware was found (Reg. #1252).

2. Architectural Locus – There was an appearance of a wall from the NW corner. The wall extends into the north balk and partially into SW corner of Square Q23 (equals Q23's L.16). Wall runs east-southeast across the entire square and fully into the east balk. It was under L.1 and built on bedrock. Elevations were taken in 3 locations. Location 1: (Top elevation 875.42, Bottom- Not reached). Location 10: (Top elevation 875.38, Bottom 874.44). Location 18: (Top

elevation 875.18, Bottom 874.20). The unfaced wall was between .85 and .90 m. wide and constructed of dry-laid, unhewn stones (small, medium, and large) in a boulder and chink style. The mortar consisted of dirt and pebble. The height ranged between .94 and 1.02 m.

3. Earth Locus - The soil changed color under earth L.1, approximately .2 m. deep. Top elevation was 875.43, and the bottom elevation was 875.23. New loci were assigned after multiple walls were discovered. Munsell reading was 7.5 YR, 4/4. The soil was moderately hard, gravelly, and dry. Locus was over Loci 6, 7, 8 and 9.

4. Architectural Locus - There was an appearance of a wall in SE corner. This wall barely enters Square P23 (equal to L.7 in Square O23). Location 36: Top Elevation was 875.63, and bottom elevation was 874.27. The unfaced wall was constructed of dry-laid, unhewn stones (small, medium, and large) in a boulder and chink style. The mortar consisted of dirt and pebble.

5. Earth Locus - Earth locus area was NW of L.2 (Wall), including sections of the northern and eastern balks. Locus was located under L.1. Top elevation was 875.43, and the bottom elevation went down to bedrock and was 874.04. Munsell reading was 7.5 YR, 4/3. Soil was loose and the area was excavated down to bedrock.

6. Earth Locus - This earth locus was beneath same footprint as earth L.3. Top elevation was 872.23, and the bottom elevation was 872.01. There was a change of soil texture and rock size. No Munsell reading was taken.

7. Architectural Locus - This wall was running north-south through the square and perpendicular to L.2 (Wall). The wall ranges in width between .75m and .86m. It ranges in height between .48 m and .94 m from bedrock. The southern section of the wall dips considerably, where it appears to coincide with a floor level and/or a possible doorway. Location 31: Top Elevation was 875.21; bottom elevation was 874.31. Location 32: Top elevation was 874.79; bottom elevation was 874.31. Location 21 Top Elevation was 875.42; bottom elevation was 874.48. The unfaced wall was constructed of dry-laid, unhewn stones (small, medium, and large) in a boulder and chink style, including mud as mortar. This locus extends outside the square and equals L.16 from Square O23.

8. Earth Locus - This locus consists of soil on the east side of L.7 (Wall), south of L.2 (Wall). The Munsell reading was 7.5 YR, 4/4. The soil was moderately loose, with occasional small stones. This locus was under L.6 and sealed against L.2 and L.7. This locus equals L.9 in Square O23. The total area consists of about 10 sq. meters. One top elevation was taken, 875.01. Four bottom elevations were taken on bedrock: Location 23 was 874.43. Location 32 was 874.31. Location 16 was 874.44. Location 24 was 874.20. Large stones were found at the base of loci 2 and 7 (Walls). These stones could be an indication of a former floor. No flat stones were found to reveal any type of floor. Numerous coins were discovered, along with a tong-like metal tool in location 36, level 874.70.

9. Earth Locus - This locus consists of soil on the west side of L.7 (Wall), south of L.2 (Wall) and under L.6. The Munsell reading was 7.5 YR, 4/4. The soil was moderately loose. Top elevation was 875.01, and the bottom elevation in location 9 was 874.64. Bedrock was reached within a 2 m range of L.7 (Wall). Moving west, the locus dropped down into an unknown feature in the bedrock approximately 1.5 m wide and 3 m long; it abutted Square P22 to the west. This feature appears to be natural at first glance, but excavations were incomplete for the 2014 season. No separate locus was assigned because its boundaries and possible function were unclear. Near the top of the feature, an olive press stone was discovered (Reg. # 1623), originally thought to be a "lid." This object was "tooth shaped," .89 m. long, .62 m. wide at widest point, .53 m. wide at thinner section (drawn by Leen Ritmeyer). Numerous coins were discovered in the sift material from this locus, *in situ* and via sift.

10. Installation Locus - A circular feature was found in the bedrock, north of L.2 (Wall), under earth L.5, location 3. This small feature was designated as a "socket in industrial function." The top elevation was 874.55, and the bottom elevation was 874.39. This feature is approximately .2 m in diameter.

11. Architectural Locus - This locus number was originally and unknowingly assigned to the very southern end of the N-S wall, L.7. At that time, L.7 had not been more fully exposed. L.11 was mistakenly thought to be an extension of a wall coming from Square O23. This section of wall is simply the southern end of L.7 (Wall) and requires no separate locus number. There is no paperwork for this Locus.

12. Installation Locus - A circular feature in the bedrock was discovered, under earth L.5, north of L.2 (Wall), location 3. About 1/3 of this feature is covered by a bedrock cleft hanging over it from the west. The feature is approximately 1.22 m. in diameter. The top elevation was 874.04, and the bottom elevation was 872.87. Bedrock was reached, going straight down into feature. The pit continues both west and south under the bedrock cleft, in the direction of L.2 (Wall) and into Square Q23. It was not possible to fully investigate the full scope of the pit in either of those directions. It may connect underground with the pit that was not fully excavated in the western section of earth L.9. The function of this installation locus is undetermined.

13. Earth Locus - This is material excavated from inside L.12 (Installation). The Munsell reading was 10 Y/R, 3/4. Numerous unidentified bones were found, filling 2-3 small bags, and saved for analysis. 107 LH/ER diagnostic pottery sherds were found along with 2 LB I and 2 IA I diagnostics. The soil was moderately moist and hard.

14. Architectural Locus - This was a small section of wall in NW corner of the square. It equals L.2 (Wall) in P22. It was cleaned up and excavated by P22 crew.

15. Installation Locus - Final bedrock throughout square.

Objects for P23

Reg #	Object	Date	Locus	Pail
1252	Stoneware	19 May	1	1
1284	Sandal Tack	20 May	3	3
1287	Sandal Tack	20 May	3	3
1288	Coin	19 May	3	2
1289	Coin	19 May	3	2
1290	Coin	19 May	3	2
1291	Coin	20 May	3	3
1292	Coin	20 May	3	3
1293	Coin	20 May	3	3
1294	Coin	20 May	3	3
1323	Coin	21 May	5	7
1324	Ring	21 May	6	5
1325	Coin	21 May	7	10
1360	Washer	22 May	8	11
1368	Coin	22 May	5	13
1369	Coin	22 May	9	12
1370	Coin	22 May	9	13
1371	Coin	22 May	9	12
1372	Coin	22 May	9	12
1373	Coin	22 May	9	12
1374	Coin	22 May	9	12
1376	Tack	22 May	9	12
1413	Coin	23 May	8	15
1414	Coin	23 May	8	15
1443	Coin	26 May	8	18
1454	Coin	26 May	8	18
1455	Coin	26 May	9	19
1456	Coin	26 May	8	18

Reg #	Object	Date	Locus	Pail
1486	Coin	27 May	9	22
1498	Coin	27 May	13	31
1508	Millstone	27 May	9	22
1552	Coin	28 May	9	22
1554	Coin	27 May	13	21
1555	Coin	28 May	13	24
1556	Coin	28 May	8	23
1557	Coin	28 May	8	23
1558	Tweezers	28 May	8	23
1577	Coin	28 May	13	24
1614	Sling Stone	29 May	13	27
1622	Metal Fragment	29 May	13	27
1623	Olive Press Stone	29 May	9	28
1624	Coin	29 May	9	28
1672	Weight	29 May	13	27
1673	Pot Rim	29 May	13	27
1676	Coin	30 May	9	30
1677	Coin	30 May	9	30
1678	Coin	30 May	9	30
1679	Coin	30 May	9	30
1680	Coin	30 May	9	30
1681	Glassware	30 May	13	29
1682	Coin	30 May	9	30
1683	Coin	30 May	9	30
1684	Coin	30 May	9	30
1685	Coin	30 May	9	30
1686	Coin	30 May	9	30
1687	Coin	30 May	9	30
1688	Coin	30 May	9	30

Reg #	Object	Date	Locus	Pail
1689	Coin	30 May	13	29
1692	Coin	30 May	9	30
1693	Coin	30 May	9	30
1713	Sling Stone	30 May	9	30
1725	Flint	29 May	13	27

Pottery Pails for P23

Pail	Date	Locus	Reading	Published
1	19 May	1	6 LB I (5 refired); 63 LH/ER	8
2	19 May	3	4 LB I; 65 LH/ER	11
3	20 May	3	7 LB I (7 refired); 1 IA I; 28 LH/ER	5
4	20 May	5	2 LB I (2 refired); 1 IA I; 19 LH/ER	4
5	21 May	6	2 LB I (2 refired); 22 LH/ER	7
6	N/A			
7	21 May	5	1 LB I (1 refired); 9 LH/ER	3
8	21 May	8	5 LH/ER	1
9	21 May	9	9 LH/ER	5
10	N/A			
11	22 May	8	7 LB I (1 refired); 10 LH/ER	1
12	22 May	9	4 LB I (4 refired); 9 LH/ER	6
13	22 May	5	4 LB I (2 refired); 1 IA I; 11 LH/ER	3
14	22 May	5	5 LB I (5 refired); 16 LH/ER	7
15	23 May	8	2 LBI (2 refired); 8 LH/ER	2
16	23 May	9	5 LH/ER	2
17	23 May	5	1 LB I; 45 LH/ER	12
18	26 May	8	1 LB I; 11 LH/ER	3
19	N/A			
20	26 May	13	6 LH/ER	0
21	27 May	13	2 LB I; 37 LH/ER	10

22	27 May	9	8 LH/ER	3
23	28 May	8	1 IA I; 10 LH/ER	3
24	28 May	13	21 LH/ER	5
25	28 May	9	15 LH/ER	11
26	29 May	5	14 LH-ER	5
27	29 May	13	2 IA I; 25 LH/ER	15
28	29 May	9	2 LB I; 56 LH/ER	16
29	30 May	13	18 LH/ER	11
30	30 May	9	42 LH/ER	17
31	30 May	8	9 LH/ER	3

Photographs for P23

Number	File name	Description
54.1	KeM 2014-05-30 054.1.jpg	Square P23 Architectural and Installation Loci
54.2	KeM 2014-05-30 054.2.jpg	Square P23 Earth Loci
54.3	KeM 2014-05-30 054.3.jpg	Square P23 Close up of Loci 10, 12, and 13
54	KeM 2014-05-30 054.jpg	Overhead view of P23, looking west, no captions

SQUARE Q9, 19-31 May (Gary Byers, Square Supervisor)

With an influx of labor on the final day of the dig (5/30), the east balk and 2 m of the east side of the north balk of Q9 were opened. The south face of the 2-row wide outer line of the Bronze Age city wall L.2A (Wall) had been exposed in previous excavation. The goal was to clear the top of the rubble pile from there to the place where L.19 (Wall) of Q10 entered Q9.

L.101 represented the upper horizon of later deposition (H1 in Q10). Up to 50 cm of soil and stone rubble was removed. The lower level of deposition (H2 in Q10) was not reached. There did not appear to be a continuation of E/W L.19 (Wall) from Q10 westward into Q9. This wall possibly represented the inner (south) face of the Bronze Age city wall. The most important find was the south face of the 2-row wide outer line of the Bronze Age city wall (L.2A – Wall). It did connect eastward to L.27 (Wall) in Q10.

Loci Details (2014)

101. Earth Locus – This was the surface soil and stone rubble in the north balk above bedrock outcrops. W2A previously excavated 2-row wide outer line of Bronze Age city wall continued into NE corner and connected with L.27 (Wall) of Q10.

Objects for Q9 (2014)

Reg #	Object	Date	Locus	Pail
1286	Flint Pounder	30 May	101	1
1481	Flint Blade	30 May	101	1
1569	1/2 flint slingstone	30 May	101	1
1587	Pounder	30 May	101	101

Pottery Pails for Q9 (2014)

Pail	Date	Locus	Reading	Published
1	30 May	101	11 MB III/LB I; 1 IA I; 2 LH/ER	1

No photos were taken in 2014 for Q9.

SQUARE Q10, 19-31 May (Gary Byers, Square Supervisor)



Square Q10 with IA I Storage Silos (photo by Michael C. Luddeni)

Square Q10 was started in 2012 by Steve Rudd and, by the end of 2014, all 6 x 6 m had been excavated - most to bedrock. The northern two-thirds was buried beneath a pile of soil and stone cobbles almost 2m high. The final one-third on the south was less than half a meter above uneven bedrock. The square's north balk was just inside the outer face of the Bronze Age city wall and the highest point of the stone cobble pile.

During the 2013 season, a 1-boulder wide and 1-boulder high E/W L.7 (Wall) was found running along the same basic line as the inner face of the Bronze Age city wall. Unfortunately, L.7 (Wall) was destroyed by looters after the first week of the 2014 excavation. But, that destruction revealed what was under L.7 (Wall). What was understood as L.12 (Installation) in 2013 became a much better stone line L.12 (Wall). But, with the destruction of fragmentary L.7 (Wall), it is not totally clear if L.12 (Wall) underneath was L.7's (Wall) stone foundation. Perpendicular N/S L.3 (Wall) (1-boulder wide) along the east balk was also known from 2013. This season a roughly parallel (N/S) wall (L.13), also 1-boulder wide, extending from the north balk appeared to represent the west limit to a potential structure about 4 m wide.

Almost "Broadroom House"

Based on IA I domestic construction identified in Q9 (west) and Q11 (east), it was assumed E/W L.12 (Wall) and perpendicular N/S walls (loci 3 and 13) represented an IA I broadroom house. Like the others, it was presumed to be built with the broad walls running along the same lines as the 3 m wide Bronze Age city wall's inner and outer faces. In Q10, the "house's" narrower side walls (loci 3 and 13) appeared almost as casemate walls in the Bronze Age city wall. Yet, by the end of 2014, Q10 did not reveal a broadroom house. Additional 1-boulder wide E/W wall (L.19) connected on the west to E/W L.12 (Wall), now demonstrating a singular 1-boulder wide wall E/W across the square. N/S L.13 (Wall) connected on the south with E/W L.19 (Wall). Almost 2 m east of L.13 (Wall), 1-boulder wide N/S L.24 (Wall) extended from the north balk to E/W L.12 (Wall).

Silo 26

Finally, it became clear that these stone wall lines did not represent a house, but 2 stone-built subterranean storage silos. L.26 (Silo) on the west appears to be the largest and was partially excavated to the base. It was constructed by L.12 (Wall) on the south, L.13 (Wall) on the west and L.24 (Wall) on the east. An additional 1-stone wide E/W wall line was identified at the base of the north balk connecting the two walls (loci 13 and 24). Stone-constructed but not plaster-lined, Silo 26 also had a flagstone base. Not perfectly round on the top, as it was being excavated, each face originally appeared to be a 1-stone wide wall line. But, the silo widened as it went deeper. Averaging 1.5 m diameter on the surface, it reached as much as 2 m diameter inside. At its greatest depth, it was 1.5 m. In order to reach the base of L.26 (Wall) on the final day of the dig, the silo was sub-balked. Consequently, complete dimensions are still unknown.

Also, because the entire area around the silo complex has not been completely cleared to bedrock, it isn't clear if either silo is cut completely into bedrock or possibly sits in a low place.

Silo 25

Adjacent L.25 (Silo) was also constructed with 1-stone wide wall lines. On the west and south, it was constructed seemingly identical to Silo 26. But, on the east and north there appears to be a line of smaller stones, making Silo 25 much smaller on the surface – 1 m in diameter. The interior of this silo was not excavated and appears that the present plan may represent some type of later smaller renovation. Square R10 to the north will probably have to be excavated to determine full dimensions of Silo 25.

Additional Domestic Construction

Fragmentary foundational remains of 2 additional N/S 1-boulder wide stone walls were identified on the final day and drawn on the plan – N/S L.32 (Wall) on the west and N/S L.33 (Wall) on the east – seem to connect 1-stone wide E/W L.4 (Wall), found in 2013, to E/W L.7 (Wall) as a small “broadroom” space south of and adjacent to the silo complex. A previously known and fragmentary 1-stone wide E/W L.5 (Wall) at the south end of the square is also parallel to loci 4 and 12 (Walls). The spaces between seemingly represent additional structures related to this domestic complex. Pottery from soil layers inside and around the silos was completely IA I, LB I and MB III. Because the wall had previously been dated to the Bronze Age and Iron Age 1 broadroom houses were identified in adjacent squares (Q9 on W and Q11 on E), it is assumed that the silos were part of the IA I occupation. Subterranean stone-built silos are typical of IA I domestic complexes. But, additional understanding of these silos also came from an examination of the soil and cobble layers seen in the north balk (a space between the inner and outer faces of the Bronze Age city wall).

Soil Horizons for Stratigraphy

Another benefit of the destruction of L.7 (Wall) was the opportunity to view the full extent of the north balk. A definite soil horizon across the entire E/W length of the balk could be identified. The soil above, and the deepest part, had a greater number of cobbles and small boulders in observably different colored soil (H1). It seemingly represents the phenomenon known across the site, where later farmers piled cobble stones from their fields directly around and above still standing archaeological remains – here the outer face of the Bronze Age city wall and IA I rebuilds. This upper H1 level in the balk demonstrates the final period of activity in the square (Hellenistic, Roman, Byzantine, and modern). The lower soil horizon (H2), then, presumably represented the period immediately after the silos went out of use. It would seem to be a period of abandonment and robbing of stones from the earlier construction across the

site (Bronze Age and IA I). H2 began after the end of IA I (ca. 11th century BC, according to the pottery) and lasted until the Hellenistic period.

End of Season Understanding

But precisely when, how and why the soil of this lower horizon was deposited across the square isn't clear. Full of MB III, LB I, and IA I pottery, it filled Silo 26 and covered the entire space by half a meter. In addition, no living or working surfaces were identified. A large number of soil loci were created, hoping to clarify stratigraphy. But, they tended to either be equal to others or represent only small areas. So, the IA I period was the final period of occupation in Q10 and is represented by the domestic complex here (and in adjacent squares Q9 and Q11). It was followed by the disuse and abandonment of the site (H2). The final deposition (H1) of fill came from the Hellenistic period and later. It has long been assumed that the 3 m wide Bronze Age city wall at Khirbet el-Maqatir was constructed during LB I. But, the preponderance of MB III pottery in this square, as well as across the site, has led to the conclusion that the Bronze Age city wall was built ca. 150 years earlier (MB III). This represents the earliest activity in the square and across the site. On the final day, E/W L.27 (Wall) in the NW corner of Q10 was found to be connected to Wall 2A in Q9. This represented the clear east continuation of the 2-row wide outer (north) face of the Bronze Age city wall.

Loci Details (2013)

- 1. Earth Locus** – This was the top 10–15 cm of redeposited field stones and little soil (H1).
- 2. Earth Locus** – This was 50–90 cm of redeposited field stones and some soil below L.1 (H1).
- 3. Architectural Locus** – This was the N/S wall in the NE corner of the square (=L.102 in Square Q11). It was beneath L.1 and was 1 boulder stone wide.
- 4. Architectural Locus** – This was the E/W wall in the center of a 3 m wide probe (=L.106 in Q11?). It was beneath L.1. It was 1 boulder stone or 2 cobbles wide.
- 5. Architectural Locus** - E/W wall in the south half of the square beneath L.1. It was 1 or 2 cobbles wide.
- 6. Earth Locus** – This was the soil and cobble beneath L.2; it was between the north balk and L.4 (Wall). (L6=L8) (H1)
- 7. Architectural Locus** - This was the E/W wall with “doorway” on the west side, beneath L.2. (possibly =L.107=OC Wall2B=inner face of the Bronze Age city wall in Q11). It was 1 boulder wide.
- 8. Earth Locus** - This was the soil and cobble on the NE side of L.7 (Wall) and below L.2. (L8=L6) (H1)
- 9. Earth Locus** – This was the soil in the “doorway” of L.7 (Wall) and below L.2. (H1)

- 10. Earth Locus** – This was the soil between loci 4 and 5 (Walls) at the south end of Q10. (H1)
- 11. Earth Locus** – This was the soil beneath L.6 along the east balk. (H1)
- 12. Architectural Locus** – This was originally thought to be a possible installation of 5 associated flat stone south of L.7 (Wall) and beneath L.6 and L.11. However, it is now considered as a wall (L.12) and the south face of L.25 (Silo).

Loci Details (2014)

- 13. Architectural Locus** – This was a 1-boulder N/S wall all along the west of the square connecting with E/W L.19 (Wall) on the south and E/W L.27 (Wall) on the north (exterior face of Bronze Age city wall in the north balk). It was 2 stones high.
- 14. Earth Locus** – This was the soil and cobbles west of L.13 (Wall) into the west balk, beneath the topsoil. (H1)
- 15. Earth Locus** – This was the disturbed soil below L.8 (after destruction of L.12 (Wall) during the first week of 2014 excavation. This soil also represents the beginning of H2 (lower soil horizon in the north balk).
- 16. Earth Locus** – This was the soil below disturbed L.15 from L.12 (Wall) to the north balk. (H2)
- 17. Earth Locus** – This was the soil south of L.5 (Wall) to the south balk, below topsoil.
- 18. Earth Locus** – This was the soil below L.14 and west of L.13 (Wall). (H2)
- 19. Architectural Locus** – This was the 1-boulder wide E/W wall into the balk from “doorway” (W extension of L.12 (Wall) and connects north to N/S to L.13 (Wall) and on south to N/S (L.32 – Wall).
- 20. Earth Locus** – This was the soil north of the newly identified foundation stones of L.12 (Wall) below L.16. (H2)
- 21. Earth Locus** - This was the beaten earth (surface?) in NE corner of the square (below L.20). (H2)
- 22. Earth Locus** – This was the soil south of L.12 (Wall) and along the west face of L.3 (Wall). It was below L.15. (H2)
- 23. Earth Locus** – This was the soil below L.15 along the north face of L.4 (Wall).
- 24. Architectural Locus** – This 1-boulder wide N/S wall connects on the south to L.12 (Wall); it is the east wall of L.26 (Silo).
- 25. Installation Locus** – This was Silo 25 east of L.24 (Wall) and north of L.12 (Wall). It was possibly part of larger installation on the north and east. It was 1-boulder wide on the west and 1-cobble wide on the east.

26. Installation Locus – This was stone Silo 26. It was 1.5m diameter, 1.5 m deep circular stone silo associated with N/S L.13 (Wall) on the west; E/W L.12 (Wall) on the south; N/W of L.24 (Wall) on the east – all fragmentary 1-boulder wide wall lines. S 26 was 1.2 m deep with a flagstone base.

27. Architectural Locus – This was a single stone in the NW square corner that connects to the line of Bronze Age city wall (Wall 2A, L.2 outer face, of Q9); it corners with N/S L.13 (Wall) and represents the inner (south) face of the W2A – 2-boulder wide wall.

28. Earth Locus - This was the beaten earth soil level (surface?) inside S26. (H2)

29. Earth Locus – This was the beaten earth soil level (surface?) in the NE corner of the square (similar to L.21). (H2)

30. Earth Locus – This was the soil below the topsoil along the west balk south of E/W L.19 (Wall). (H2)

31. Earth Locus – This was the soil inside S 26 beneath L.28. 2 objects were found. (H2)

32. Architectural Locus - Possibly N/S wall connecting E/W L.19 (Wall) on the north and E/W L.4 (Wall) on the south (fragmentary 1-boulder wide, 1-course high, 2 stones long). There is no paperwork on this locus.

33. Architectural Locus - Possible short N/S wall on the east of the square, connecting E/W L.12 (Wall) and E/W L.4 (Wall) (fragmentary 1-boulder wide, 1-course high, 2 stones long); parallel to N/S L.3 (Wall). There is no paperwork on this locus.

Objects for Q10 (2014)

Reg #	Object	Date	Locus	Pail
1282	Pounder?	20 May	14	30
1295	Nail	20 May	18	31
1296	Needle	19 May	14	28
1480	Arrowhead	30 May	31	58
1484	Blade	27 May	22	39
1285	Blade	27 May	22	39
1518	Pounder	20 May	17	46
1530	Pounder	27 May	23	39
1551	Tool	27 May	31	58

Pottery Pails for Q10

Pail	Date	Locus	Reading	Published
27	19 May	15	2 LB I (1 refired), 2 IA I	2
28	19 May	14	3 LB I, 1 IA I, 1 LH/ER	0
29	20 May	16	7 MB III, 4 LB I, 1 IA I	1
30	20 May	14	1 LB I	0
31	20 May	18	5 LB I (3 refired), 1 IA I	0
32	20 May	18	0	0
33	21 May	16	4 MB, 2 IA I	1
34	21 May	14	5 MB, 1 IA I	1
35	21 May	21	1 IA I	1
36	21 May	20	6 MB (5 refired)	0
37	22 May	23	5 LB I (all refired)	2
38	22 May	10	1 MB III	1
39	22 May	22	5 MB III, 1 IA I	3
40	22 May	23	6 MB III (2 refired), 4 IA I	6
41	23 May	15	2 MB III, 5 LB I (2 refired), 2 IA I	4
42	23 May	10	1 MB III	1
43	23 May	10	2 LB I (2 refired)	2
44	23 May	13	1 IA I	0
45	26 May	20	4 LB I (4 refired), 2 IA I	2
46	26 May	17	1 MB III, 2 LB I	1
47	26 May	17	3 LB I, 3 IA I	2
48	27 May	23	0	0
49	27 May	17	1 LH/ER	0
50	27 May	29	1 IA I	0
51	27 May	28	1 IA I	1
52	28 May	28	2 MB III, 3 LB I, 2 IA I	4
53	28 May	29	5 LB I (2 refired), (saucer lamp)	3
54	28 May	30	4 LB I (1 refired)	2

Pail	Date	Locus	Reading	Published
55	29 May	28	1 LB I, 3 IA I	1
56	29 May	30	2 LB I	0
57	29 May	23	2 LB I, 2 IA I	2
58	30 May	31	0	0

Photographs for Q10

Number	File name	Description
67	KEM 2014-05-30 067.jpg	Q10 Final Picture
78	KeM 2014-05-30 078.jpg	Q10 Silos 25 and 26

Summary (2014)

1. E/W L.27 (Wall) connected to E/W L.2 (Wall) in Q9 and represents the south face of the outer line of the Bronze Age city wall.
2. E/W L.7 (Wall) and L.12 (Wall), seemingly built along the old line of the inner face of the Bronze Age city wall, was fragmentary. The precise relationship between L.7 (Wall) and L.12 (Wall) is not clear, neither is their relationship to the H2 soil horizon.
3. N/S L.32 (Wall) was identified on the west side of the square during the final day. Fragmentary and 1-stone wide, it may represent a foundation connecting wall between E/W L.19 (Wall) and E/W L.4 (Wall).
4. Possible N/S L.33 (Wall) was also identified on the final day. Also extremely fragmentary and a single-stone wide, it may represent a foundation on bedrock that connected E/W L.12 (Wall) and on north and E/W L.4 (Wall) on south. L.33 (Wall) was 1 m west of L.3 (Wall) – representing a passageway?
5. The presence of a few stones on the east side of L.25 (Silo) suggests that it may eventually be seen to be as large as Silo 26. But, present evidence seemed to suggest a smaller (later) renovation.
6. The fill of Silo26 seems to be quite consistent with the lower horizon soils identified in the north balk (H2). Beyond the MB III, LB I and IA I sherds, the soil also contained a large number of small bones and flint chips
7. The entire 6 x 6 m square was opened this season and most of the south end, from the south balk to E/W L.4 (Wall), reached very uneven bedrock. There is probably 1 to 2 weeks of excavation left to clear everything to bedrock.
8. It appears that loci 23 and 19 (Walls) represent the basic line of the inner face of the Bronze Age city outer wall – reasonably consistent with the same line in Q9 and Q11

9. Additional N/S walls (loci 4 and 5) to the south, immediately above bedrock, were extremely fragmentary and may represent animal pens as an additional part of this domestic complex.
10. This area of the site, along the north footprint of the Bronze Age city wall has demonstrated an IA I domestic complex with broadroom houses in Q9 and Q11 flanking 2 stone-built silos. Both houses and silos seem to be constructed within the ruins of the line of the Bronze Age city wall, following the same lines (and same stones) of the Bronze Age city wall. Taken together, the 2 houses and 2 silos extend at least 20 m E/W along the ruined wall line.

Phases of Occupation

1. MB III/LB I city wall destroyed 1400 BC. L.27 (Wall), L.19=L.7 (Walls)
2. LB 2 (1400-1200 BC) deserted (evidence?)
3. IA I village – 1200-1000 (or later) BC. L.13 (Wall), L.3 (Wall), L.20, pottery)
4. Abandoned ca. 1000 BC (or later) – destroyed?
There was subsequent robbing of stones in Hasmonean, Hellenistic, Roman and Byzantine periods, and it was back-filled to the top of the lower horizon in the north balk (H2) with Bronze Age and IA I material.
5. There was a later deposition of a stone pile to top of high wall remains (H1).

SQUARE Q11, 19-31 May (Gary Byers, Square Supervisor)

This square was not excavated in 2014, but there were two surface finds.

Object List for Q11

Iron tool?	Surface #1283
Iron peg?	Surface #1285

SQUARE Q23, 19-28 May (Abigail Leavitt, Square Supervisor)

Square Q23 was excavated as part of a trench running through the LH/ER city. Three walls pass through the square – one in the SW corner, one in the NE corner, and one running NE to SW through the center of the square. Q23 contains several subterranean installations, including a natural cave with two natural entrances, and two man-made entrances, a small silo or cistern in the NW corner of the square, and a bench-like installation on the south side of the square. This

square yielded pottery from LB I, IA I, LH/ER, and BYZ, as well as a nearly complete MB III juglet. 39 coins were found.



Q23 Final Photo (photo by Michael C. Luddeni)

Loci List

- 1. Earth Locus** – L.1 was the surface debris covering the entire square. It was 6 x 6 m, and .58 m deep. The top elevation was 875.63, and the bottom elevation was 875.05 The Munsell reading was 7.5 YR 4/3. Small, medium, and large stones were mixed randomly in with the soil. L.1 seals against L.16 (Wall). Mixed pottery and coins were found.
- 2. Earth Locus** – L.2 was a layer of reddish brown earth (Munsell reading 10 YR 4/3) beneath the surface debris. It was 6 x 6 m, and .30 m deep, with a top elevation of 875.05 and a bottom elevation of 874.75. L.2 contained heavy tumble. Several coins were found, as well as mixed pottery and one opus sectile paving stone.
- 3. Earth Locus** – L.3 was a layer of fairly dry reddish brown earth (Munsell reading 10 YR 4/3), beneath the heavy tumble of L.2. This locus contained small and medium stones. The top elevation was 874.75, and the bottom elevation was 874.63, for a depth of 12 cm. The

length and width were both 6 m. Nine coins were found, as well as mixed pottery, and one slingstone.

4. **Architectural Locus** – L.4 is a wall running NE to SW through the center of the square. It is .80 m wide, 5.35 m long, and .27 m high. The top elevation is 874.68, and the bottom elevation is 874.41. There is only one course of stones remaining. It is constructed with heavy stones lining both sides and small stones and dirt packed between. A second course of stones may have been torn out by vandals before it was properly excavated. This wall is abutted by L.10 (Wall).
5. **Earth Locus** – L.5 was the earth to the SE of L.4 (Wall), and to the SW of wall L.10 (Wall). It was moist, reddish brown, had a Munsell reading of 10 YR 3/3, and contained small and medium stones. It was 6 m long, 3 m wide, and .27 m deep, with a top elevation of 874.68 and a bottom elevation of 874.41. Two coins were found, and the pottery was mainly LH/ER.
6. **Earth Locus** – L.6 was the earth to the NW of L.4 (Wall), and to the NE of L.16 (Wall). It was dry reddish brown earth with a Munsell reading of 10 YR 3/3. It was 5.5 m long, 3 m wide, and .27 m deep, with a top elevation of 874.68 and a bottom elevation of 874.41. Small and medium stones were mixed randomly with the soil. All the pottery was LH/ER, and one stone loom weight was found.
7. **Installation Locus** – L.7 is a natural cave in the bedrock, which was adapted for practical function. Two natural crevices in the bedrock open into the pit, and two man-made holes open into it as well. Entrance 1, in location 23, is .75 m in diameter, and entrance 2, in location 18, is .40 m in diameter, and features an inset lip, presumably for supporting a stone lid (missing). The pit is 4 m long, 2.9 m wide, and 2.34 m deep, with a top elevation of 874.41, and a bottom elevation of 872.18.
8. **Earth Locus** – L.8 was the top layer of debris within L.7 (Installation). It was moist, reddish brown, and had a Munsell reading of 7.5 YR 4.3. It was 4 x 2.9 m, and 1.19 m deep. The top elevation was 874.41, and the bottom elevation was 873.22. It contained small, medium, and large stones. Two coins and one weight were found.
9. **Earth Locus** – L.9 was a layer of moist, reddish brown earth within L.7 (Installation). The Munsell reading was 7.5 YR 3/3. It was 4 x 2.9 m, and 1.04 m deep, with a top elevation of 873.22, and a bottom elevation of 871.18. Mixed pottery was found, including a nearly complete MB III juglet; 15 coins were found.
10. **Architectural Locus** – L.10 is a wall running through the NE corner of the square. It abuts L.4 (Wall). It is 3 courses high and contains 2 rows within the square. It is made of medium, unhewn stones. It is 1.93 m long, 1.08 m wide, and .52 m high, with a top elevation of 874.93 and a bottom elevation of 874.41.
11. **Installation Locus** – L.11 is a bowl-shaped pit in location 34-45. It is 45 cm in diameter and 41 cm deep. The top elevation is 874.21, and the bottom elevation is 873.80.

- 12. Installation Locus** – L.12 is a bench-like installation carved into bedrock in locations 27 and 33. It is .83 m deep, with a top elevation of 874.26 and a bottom elevation of 873.88. It is 1 m wide and extends 1.5 m to the west under the bedrock ledge. L.12 opens into L.12 (Installation) in square P23.
- 13. Installation Locus** – L.13 is a socket-like installation in the NE corner of the square. It may have an agricultural function. It is 16 cm in diameter, and 22 cm deep.
- 14. Earth Locus** – L.14 was the soil inside of L.15 (Installation), located in the NW corner of the square. It was hard packed, moist, reddish-brown earth, with a Munsell reading of 10 YR 3/3. It was .50 m long, .28 m wide, and .50 m deep, with a top elevation of 874.41 and a bottom elevation of 873.91. Most of the pottery was LH/ER.
- 15. Installation Locus** – L.15 is a pit in the NW corner of the square. It was .50 m by .28 m and was excavated to .50 m deep. The top elevation was 874.41, and the bottom elevation was 873.91. The pit was not fully excavated. It is unclear whether it is a man-made installation or a natural cave.
- 16. Architectural Locus** – L.16 is a wall running through the SW corner of the square. It is 1.2 m long, .22 m wide, and .98 m high, with a top elevation of 875.63 and a bottom elevation of 874.65. It has 3-4 courses, and 3 rows within the square. It continues into square P23 as L.2.

Objects for Q23

Reg #	Description	Date	Locus	Pail
1234	Opus Sectile	19 May	1	1
1235	Glass Base	19 May	1	1
1236	Coin	19 May	2	2
1237	Coin	19 May	2	2
1238	Coin	19 May	1	1
1239	Coin	19 May	1	1
1240	Coin	19 May	1	1
1241	Coin	19 May	1	1
1246	Opus Sectile	19 May	2	2
1281	Loom Weight	23 May	6	10
1307	Sandal Tack	20 May	2	3
1308	Coin	20 May	2	3
1309	Coin	20 May	2	3

Reg #	Description	Date	Locus	Pail
1310	Coin	20 May	2	3
1311	Coin	20 May	2	3
1312	Nail	20 May	2	3
1322	Coin	21 May	3	4
1341	Coin	21 May	3	4
1342	Coin	21 May	3	4
1344	Coin	21 May	3	4
1345	Coin	21 May	3	4
1346	Coin	21 May	3	14
1377	Coin	22 May	4	6
1378	Coin	22 May	3	5
1381	Coin	22 May	5	7
1386	Coin	22 May	5	7
1387	Coin	22 May	3	5
1388	Coin	22 May	3	5
1395	Slingstone	22 May	3	5
1407	Tool	26 May	9	13
1408	Coin	26 May	9	13
1409	Coin	26 May	9	13
1410	Coin	23 May	8	11
1411	Coin	23 May	8	11
1412	Weight	23 May	8	11
1435	Coin	23 May	9	13
1436	Coin	23 May	9	13
1437	Coin	23 May	9	13
1438	Coin	26 May	9	13
1439	Coin	26 May	9	13
1440	Coin	26 May	9	13
1441	Juglet	26 May	9	13

Reg #	Description	Date	Locus	Pail
1499	Coin	26 May	9	16
1500	Coin	26 May	9	16
1501	Coin	26 May	9	16
1502	Coin	27 May	9	16
1503	Coin	27 May	9	16
1505	Coin	27 May	9	16
1560	Slingstone	28 May	4	21
1695	Coin	27 May	9	16

Pottery Pails for Q23

Pail	Date	Locus	Reading	Registered
1	19 May	1	61/76, 5 LB I (2 refired) 1 IA I, 55 LH/ER	5
2	19 May	2	25/43, 5 LB I (4 refired), 20 LH/ER	3
3	20 May	2	121/209, 7 LB I, 2 IA I, 128 LH/ER	9
4	21 May	3	55/76, 3 LB I, 1 IA I, 51 LH/ER	12
5	22 May	3	47/93, 1 LB I, 46 LH/ER	6
6	22 May	4	2/3, 2 LH/ER	0
7	22 May	5	9/38, 9 LH/ER	2
8	23 May	5	28/54, 6 LB I, 22 LH/ER	10
9	23 May	4	2/3, 2 LH/ER	0
10	23 May	6	24/40, 1 LB I, 23 LH/ER	7
11	23 May	8	13/22, 2 LB I (1 refired) 11 LH/ER	4
12	23 May	9	31/89, 2 LB I (2 refired) 29 LH/ER	11
13	26 May	9	110/212, 109 LH/ER, 1 Byz	6
14	26 May	6	20/36, 20 LH/ER	6
15	26 May	5	7/18, 1 IA I, 6 LH/ER	4
16	27 May	9	17/27, 17 LH/ER	7
17	27 May	6	2/2, 2 LH/ER	1
18	27 May	5	0/0	0

19	27 May	14	50/62, 1 IA I, 49 LH/ER	17
20	28 May	6	4/8, 4 LH/ER	2
21	28 May	4	4/5, 1 IA I, 3 Byz	2

Photographs for Q23

Number	File Name	Description
3	KeM 2014-05-23 003.jpg	Q23 shown in left half of frame with P23; view from west.
49	KeM 2014-05-30 049.jpg	Q23 final day photo; view from east.

SQUARE R20, 19-31 May (Gene Merrill and Henry Smith, Square Supervisors)

Excavation work was continued from the 2013. Locus numbers were used from 2013. On 5/19, surface debris was cleared (L.12) and boundaries of the 2013 probe trench were located. The east balk was essentially destroyed by looting. Primary emphasis was on relocating the entrance to installation Locus 9, a possible pit or cistern from 2013. Significant amounts of pottery were found in pit (Earth L.8). Chunks of brittle plaster were found and samples were kept. The silo/pit was excavated to bedrock (1.87 m deep from center of entrance). Benchmark 874.50.



R20 Loci (photo by Michael C. Luddeni)

Loci Details

5. Installation Locus – This was the bedrock throughout square. It continued from the western part of square in 2013. It abuts L.9, installation pit/silo.

8. Earth Locus – This was all earth material excavated from inside of L.9 (Installation). The Munsell reading was 10YR 4/6. Copious amounts of pottery were extracted, many diagnostics (over 800 LH/ER, 41 LB I, 37 refired, 5 MB III/LB I, 2 IA I). Dirt was slightly moist, somewhat firm. Numerous cobble-sized stones were found, mixed with pottery and dirt. Soft fill with no mixture was rare. Numerous coins were found, along with one opus sectile paving stone and one piece of stoneware. The locus was located under a small section of L.2 probe trench from 2013 and also under L.13 from 2014. Top level: 874.06. Bottom: 872.19.

9. Installation Locus – A clear circular feature hewn in bedrock was discovered in location 28/29 toward the end of the 2013 excavation season. It was on the edge of the L.2 probe trench and continued east. The primary focus of the 2014 season was to relocate and explore. Opening is .53 m diameter, and located 3.1 m from the west and .88 m from the south. The feature opens wide and is bell shaped. The silo diameter is 1.99 m east to west and 2.07 m north to south. There were pieces of crumbling plaster found in the fill and on walls. Samples were saved on 5/23. Numismatist Y. Farhi stated that the plaster was hydraulic, not for cistern use. Bottom consists of bedrock, and the floor is higher in the east, sloping down as one moves west. Far west level: 872.04. Far east level: 872.30. Center level: 872.19. L. Ritmeyer did sketch for drawings.

12. Earth locus – This was the surface material. The Munsell reading was YR 7.5 4/6, and the soil was very loose and dry. Little pottery was found. Lots of stones and looted debris from the 2013 season were removed.

13. Earth locus – This was the soil under surface debris (L.12). The Munsell reading was 7.5 YR 4/6, but slightly darker brown than the surface soil. It was mildly hard and slightly moist. The locus extends across the complete excavation area. Some mixed pottery was found, along with three coins. On the top, L.5 seals against the 2013 probe trench (L.2). Levels were taken in two locations to signify both the top and bottom of the locus. Location 12: top level was 874.62, and the bottom was 874.11. Location 35: top level was 874.55 and the bottom 874.10. Two stones were left intact just south of L.9 (Installation). They were right in line of conjectured Bronze Age fortress wall. Their significance is undetermined.

Note: The following loci are not described here because they were only worked in 2013: 1-4, 6-7, and 10-11. Details can be found in the 2013 report.

Objects for R20

Reg #	Object	Date	Field	Locus	Pail	Level	Location
1254	Coin	19 May	G	12	30	874.66	17
1298	Metal Fragment	20 May	G	13	32	874.56	35
1299	Coin	20 May	G	13	32	874.43	17
1300	Coin	20 May	G	13	32	874.46	17
1301	Coin	20 May	G	13	32	874.22	17
1315	Stoneware	21 May	G	12	30	874.69	34
1320	Stoneware	22 May	G	8	36	872.70	28
1347	Coin	21 May	G	8	34	873.13	29
1353	Nail	22 May	G	8	36	873.28	28
1355	Coin	22 May	G	8	36	872.85	34
1391	Coin	22 May	G	8	36	873.24	28
1392	Coin	22 May	G	8	36	872.62	27
1393	Coin	22 May	G	8	36	872.73	34
1394	Coin	22 May	G	8	36	873.35	28
1401	Slingstone	23 May	G	8	38	872.57	28
1402	Flint Nodule	23 May	G	8	38	872.73	28
1403	Opus Sectile	21 May	G	8	34	?	34
1433	Coin	23 May	G	8	38	872.35	28
1448	Coin	26 May	G	8	39	872.32	28
1450	Coin	26 May	G	8	39	872.27	28
1452	Coin	26 May	G	8	39	872.25	28

Pottery Pails for R20

Pail	Date	Locus	Reading	Published
30	19 May	12	2 LH/ER	0
31	19 May	13	4 LB I (4 refired); 1 IA I; 2 LH/ER	0
32	20 May	13	1 LB I; 14 LH/ER	4
33	20 May	8	1 LB I; 20 LH/ER	3

Pail	Date	Locus	Reading	Published
34	21 May	8	5 MB III/LB I; 2 LB I; 157 LH/ER	42
35	21 May	13	4 MB III/LB I; 8 LH/ER	4
36	22 May	8	20 LB I (16 refired); 1 IA I; 357 LH/ER	82
37	22 May	13	2 LB I; 7 LH/ER	0
38	23 May	8	19 LB I (19 refired); 1 IA I; 280 LH/ER; 2 BYZ	69
39	26 May	8	4 LH/ER	1
40	26 May	8	8 LH/ER	4
41	26 May	8	4 LH/ER	1

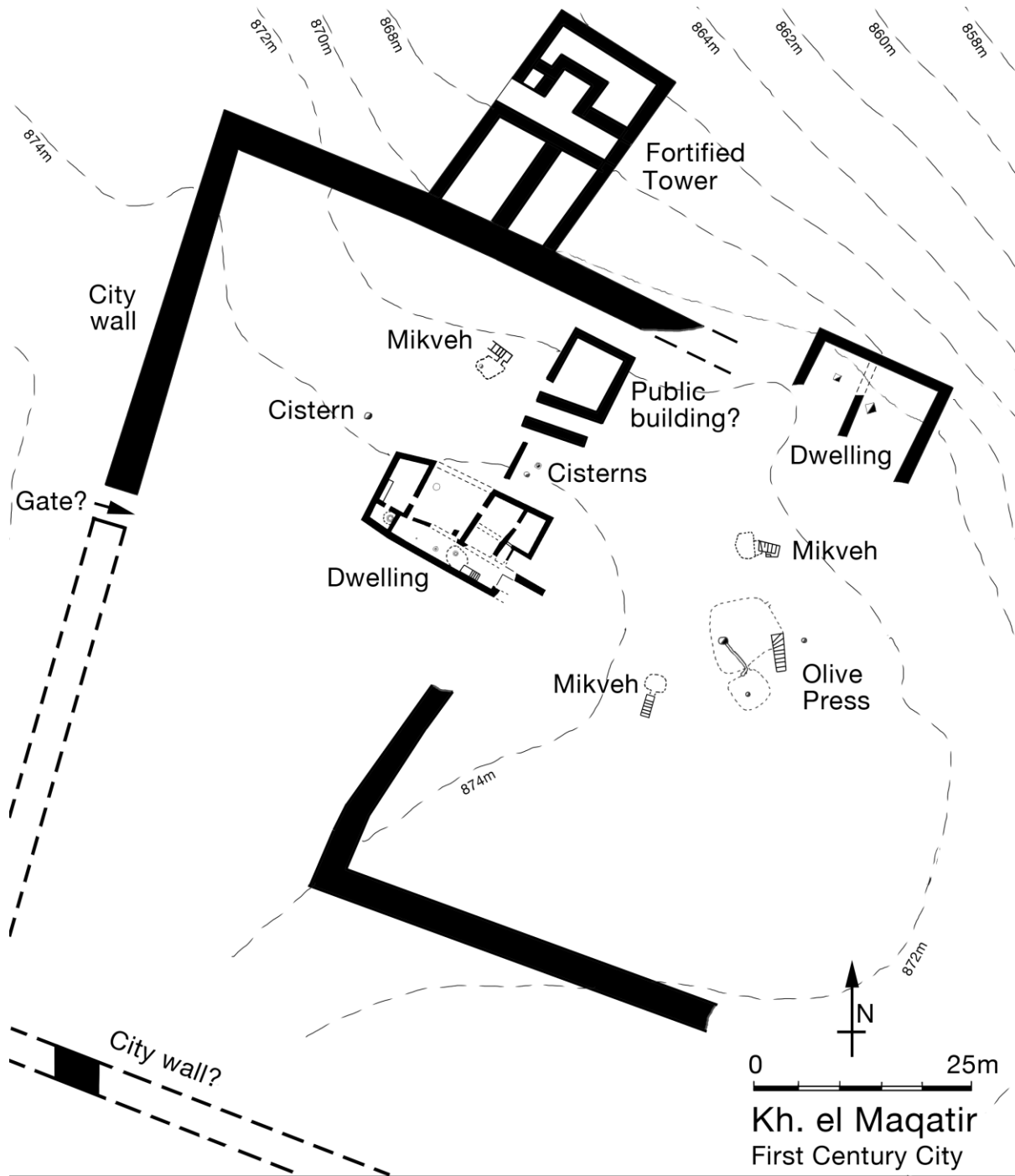
Photographs for R20

Number	File Name	Description
1	KeM 2014-05-19 001.jpg	Debris from looters
7	KeM 2014-05-23 007.jpg	Final with captions
7	KeM 2014-05-23 007.jpg	Overhead view East
7	KeM 2014-05-23 007.jpg	Trench Boundary

Summary

R20 was chosen originally as a possible candidate for finding remnants of Bronze Age remains extending in the direction of the gate complex. The probe trench was executed for that purpose. Nothing definitive was found. The silo/pit was the major discovery in the square for the 2014 season. No signs of architecture were discovered.

LH/ER TOWER, 19–31 May (Leen Ritmeyer, Supervisor)



Late Second Temple City (courtesy of Leen Ritmeyer)

On the north side of the LH/ER village, there is a large tower that appears to be part of the city's fortification system. The tower lies roughly within squares V24-25, W21-25, X22-26, Y22-26,

Z23-25. Clearing of surface stones and debris was done, and measurements were taken of the visible features. Sherds and objects were recovered from Squares Y22 and X23.

Objects for Y22 – Coin (1523) and Nail (1479)

Objects for X23 – 3 coins (1539, 1540, and 1541)

Pottery Summary – The pottery sherds that were collected were all LH/ER.

There were no photos of this area recorded in 2014.

SQUARE CAV 1 (UNDER SQUARE M28 & O28), 17-30 December (Abigail Leavitt, Square Supervisor)



KeM Winter Dig Team – Four Olive Press Weights (photo by Miki Clauser)

Overview

CAV1 is a large, underground cavern located toward the eastern end of Khirbet el Maqatir between two first century miqvaot. It is accessed via a staircase of 11 steps and a landing carved into bedrock. CAV1 provides entrance to CAV2, a large plastered cistern, and CAV3, a small underground room accessed by a tunnel on the eastern side of CAV1. There are four entrances/exits to CAV1, as follows: 1.) the steps and opening in the southeast corner, tall enough to walk through; 2.) a hole, 1.8 m x .90 m, cut in the ceiling in the center of the western end of the cavern; 3.) the entrance to the cistern (CAV2) in the southern wall of the cavern; and 4.) the entrance to the tunnel in the eastern wall of the cavern, leading to CAV3; this opening being the only one without access to the surface. CAV1 was discovered and probed in May 2013. It was partially excavated in December 2013, and excavations were completed in December 2014. This report pertains to the December 2014 excavations.

Loci Details

From May 2013 season:

1. Installation Locus – L.1 is the main cavern. The dimensions of the cavern are 9 x 8.7 m wide, and 3.73 m high (at the highest point). The walls, floor, and ceiling are hewn out of bedrock, and some modern nails have been driven into the walls. There is what appears to be a wall running east to west through the south end of the cavern.

2. Earth Locus – L.2 is the surface debris within the large cavern. The soil was light brown and contained a great deal of pottery. Two coins and one possible coin were found in this locus. The top elevation of this locus was 869.09.

3. Earth Locus – L.3 was the soil within the probe trench along the NE side of the cavern. The soil was moist and dark brown. The top elevation was 869.07. LH/ER pottery was found in this locus. A human jawbone was found in this locus, but there was no indication that this was an original burial place. Two coins were found in the sift from this locus. The soil color changed to chalky white at about 868.0; however, a new locus was not created at the time.

From December 2013 season:

4. Earth Locus – L.4, the surface debris within the cavern, equals L.2. This locus encompassed a vast amount of soil, as it included not only the top layer of earth, but also the entirety of a large mound of earth and rocks reaching to the ceiling beneath the top entrance to the cavern. Also included in this locus is soil that would have been included in Earth L.7, but due to vandalism, the earth was mixed, and could no longer be deemed a clean locus. Most of the soil in L.4 was

moist and dark brown, with a Munsell reading of 7.5 YR 2.5/3. This locus also included many large boulders, as well as small, medium and large stones. The highest top elevation was 869.70, and the bottom elevation was 869.60. Pottery, coins, bones, stoneware, and architectural fragments were found in this locus.

5. Earth Locus – L.5 was the top layer of chalky white soil on the northern side of the cavern, approximately 2 m by 3 m. It was disturbed by vandals, and so was not a clean locus. The Munsell number was 10 YR 8/1. The top elevation was 871.66, and the bottom elevation was 869.60; however, it should be noted that these elevations reflect a large pit and mound left by vandals. Quite a bit of pottery was discovered in this locus, as well as a Roman sandal tack.

6. Earth Locus – L.6 was a mixed matrix of dark and light earth, in the NW corner of the cavern, near the olive press. It measured approximately 50 cm x 50 cm, and the Munsell reading was 7.5 YR 8/1. This layer marked the bottom of the disturbed soil. The top elevation was 870.15, and the bottom elevation was 869.75. Some stoneware and bones were discovered, along with quite a bit of pottery.

7. Earth Locus – L.7 was the undisturbed earth locus directly above the flat floor in the NW corner of the cavern. It was 2 m by 2 m; the Munsell reading was 10 YR 5/3, and the soil continued to be chalky and white. Much pottery was found along the northern wall of the cavern, mainly sherds of storage jars. This locus also produced a large amount of bones, stoneware, and coins; quite a bit of charred organic material was discovered, indicating that something had been burned in this area. The bones found in this locus were mainly from animals. The top elevation of this locus was 870.11, and the bottom elevation was 869.58.

8. Earth Locus – L.8 was a layer of fine, dark top soil-like earth mainly between and surrounding the monoliths. It had a top elevation of 870.30, and a bottom elevation of 870.10. 2 coins were found in this locus.

9. Earth Locus – L.9 was the soil contained within installation L.13. The soil was dark yellowish brown, with a Munsell reading of 10 YR 5/3. There did not seem to be any stratification within the pit – it seemed to simply be jumbled fill dirt containing small, medium and large stones. The top elevation was 869.63, and the bottom elevation was 868.55. A small amount of pottery was found, as well as a piece of thick glass with a square base.

10. Earth Locus – L.10 was the soil contained within installation L.16. The soil was chalky white and contained tumbled stones, including worked architectural stones. The Munsell reading was 10 YR 7/1. The top elevation was 869.63, and the bottom elevation was 868.96. Very little pottery was found, but bones were abundant; one coin was discovered.

11. Earth Locus – L.11 was the yellowish soil excavated from the 2 m by 3 m probe trench to the west of the cavern entrance. The Munsell reading was 10 YR 4/6; the top elevation was 873.09, and the bottom elevation was 872.33. This locus contained small, medium, and large stones.

12. Installation Locus – L.12 is the screw olive press. Two megalithic stones were discovered in situ (one leaning against the other), with notches cut in them for a beam. Stone #1 is 1.77 m high, 73 cm wide, and 39 cm deep, with a 10 x 10 cm notch. Stone #2 is 156 cm high, 74 cm wide, and 37 cm deep, with a 10 x 10 cm notch. The stones faced each other, 70 cm apart, with a pit (L.13) between them. The bottom elevation is 869.54.

13. Installation Locus – L.13 is the oval shaped vat located between L.12 stone #1 and stone #2. It is 94 cm x 70 cm, and 1 m deep. It has a top elevation of 869.63 and a bottom elevation of 868.64. It is lined with plaster.

14. Installation Locus – L.14 is a functional vat pit located to the south of the olive press (loci 12 and 13). It is 88 cm wide, 32 cm deep, and 96 cm from the edge of the pit to the balk line. It appears that the vat continues beyond the balk line. The top elevation is 869.53, and the bottom elevation is 869.22.

15. Architectural Locus – L.15 is a plaster-lined wall surrounding the flat floor (L.18) in the NW corner of the cavern. It was only one course high when it was discovered and was subsequently partially destroyed by vandals. The top elevation is 869.98, and the bottom elevation is 869.58.

16. Installation Locus – L.16 is the functional vat located to the east of the flat floor (L.18). The north, west, and south sides of the vat are carved into bedrock, and the eastern side seems to be made of a stone wall; however, further excavations will be required to determine the length and width of the wall, and whether or not the vat continues beyond the wall. The top elevation of the vat is 869.64, and the bottom elevation is 868.96. The vat is 1.72 m long, 1.55 m wide, and 68 cm deep.

17. Installation Locus – L.17 is a niche in the northern wall of the cavern, probably used functionally in olive production. It is 77 cm x 72 cm, and 88 cm high. Its top elevation is 870.91, and its bottom elevation is 870.08.

18. Installation Locus – L.18 is the flat, square bedrock floor area in the NW corner of the cavern, probably used functionally in olive oil production. It is 2.5 x 2.5 m, and the elevation is 869.63.

From December 2014 season:

19. Earth Locus – L.19 is the surface debris within the cavern. It equals L.2 from season 13 and L.4 from season 13D. This locus was comprised mainly of rich reddish brown earth (Munsell 10YR 3/2) containing heavy tumble of large boulders. It appears that most of this locus sifted into the cavern through entrance 1 and entrance 2. L.19 was present in the entire cavern, but for ease of recording was divided up into four quadrants. The top elevation was 870.88, and the bottom elevation was 869.38. This locus contained a large amount of pottery, bones, and stoneware, and some charred material was found.

20. Earth Locus – L.20 was the earth within Installation L.16. L.20 should have been a continuation of Earth L.10 from season 13D; however, due to vandalism Installation L.16 was partially refilled. L.20, therefore, will not be considered to be a clean locus. The soil color was a light yellowish brown, with a Munsell reading of 10YR 5/3. The top elevation was 869.47, and the bottom elevation was 868.85. L.20 was 1.45 m long and 1.65 m wide. A great deal of pottery was found in this locus, as well as some charred material.

21. Earth Locus – L.21 was a probe trench within the northern end of Installation L.22. It was 3 m long and 1 m wide. It was comprised of yellowish brown earth (Munsell 7.5 YR 4/2) and heavy tumble. The top elevation was 869.44, and the bottom elevation was 868.79. Large quantities of pottery and stoneware were found in this locus.

22. Installation Locus – L.22 is the large vat located in the center of the cavern. It is 4 m by 3 m, and 61 cm deep, with a top elevation of 869.48 and a bottom elevation of 868.87. There is an uneven sloped step around the edges of the vat at elevation 869.21. It can be theorized that L.22 contained a large round olive-crushing stone when the cavern was in use as an olive oil production facility.

23. Earth Locus – L.23 was the chalky white layer of earth in Quadrant 2 (Q2) It was contiguous with Loci 5, 27, and 31. The Munsell reading was 10 YR 8/3. The top elevation was 869.95, and the bottom elevation was 869.53. It was 3.5 m long and 3.5 m wide.

24. Earth Locus – L.24 was designated as a possible wall area running north/south through the center of the cavern. No evidence of a wall was found at lower levels. The earth was grayish brown in color, with a Munsell reading of 10 YR 6/3. The top elevation was 869.68, and the bottom elevation was 869.30. It was 4 m long and 50 cm wide. Pottery was infrequent in this locus, but 6 stoneware pieces were found.

25. Earth Locus – L.25 was the earth layer directly above the floor (Architectural L.34) in Q2. It was yellowish brown in color, and the Munsell reading was 10YR 5/4. It was 3.5 m by 3.5 m and 12 cm deep with a top elevation of 869.53 and a bottom elevation of 869.41. One coin was found.

26. Earth Locus – L.26 was a hard packed soil layer above the eastern edge of Installation L.22. The Munsell reading was 7.5 YR 7/3, and the soil was orange/brown in color. It appeared to contain a large percentage of broken orange limestone mixed with dirt. L.26 was 4 m long, 1 m wide, and 23 cm deep. Stoneware was found as well as a large concentration of bones.

27. Earth Locus – L.27 was a chalky white layer north of Architectural L.35 in Q4. It was 2.5 m in length, and 2 m wide. The Munsell reading was 10 YR 8/3. The top elevation was 869.87, and the bottom elevation was 869.52, for a depth of 35 cm.

28. Earth Locus – L.28 was a burn layer within Installation L.22. The soil was brown mixed with grey ash. The Munsell reading was 10YR 5/2. It was 3 m long and 3 m wide. The top elevation

was 869.58, and the bottom elevation was 869.16. Pottery and bones were extremely frequent within this locus. Stoneware, tabun fragments, and charred organic material were found as well.

29. Earth Locus – L.29 was a burn layer present in the SW corner of Q3. The grayish brown soil had a Munsell reading of 7.5 YR 4/3. This earth layer was directly above floor level (Installation L.36) along the edge of the cavern, and extended slightly over the fill in Installation L.14. L.29 was 4 m long, 2 m wide, and 20 cm deep, with a top elevation of 869.66, and a bottom elevation of 869.46. Pottery, bones, stoneware, and charred organic material were abundant.

30. Earth Locus – L.30 was the layer of earth directly above the floor of Installation L.22. It was comprised of dark reddish brown earth with a Munsell reading of 10 YR 3/4. The top elevation was 869.16, and the bottom elevation was 868.79. It was 3 m long, 3 m wide, and 37 cm deep.

31. Earth Locus – L.31 was a layer of chalky white soil to the west of the Architectural L.35 in Q4. Its Munsell reading was 10 YR 8/3. It was 2 m long and 1 m wide. The top elevation was 870.08, and the bottom elevation was 869.6. Very little was found.

32. Earth Locus – L.32 was the earth within Installation L.14. The soil was dark brown mixed with some grey. The Munsell reading was 10 YR 3/3. The length was 3.25 m; the width was 1 m, and the depth was 25 cm. The top elevation was 869.48, and the bottom elevation was 869.23. Only a small amount of pottery was found.

33. Earth Locus – L.33 was the layer of earth directly above floor level (Architectural L.36), west of Architectural L.35 in Q4. The orange/brown soil had a Munsell reading of 10 YR 3/6. L.33 was 2 m long and 2 m wide. The top elevation was 869.6, and the bottom elevation was 869.42, for a depth of 18 cm. Pottery, Stoneware, and one coin were found.

34. Installation Locus – L.34 is the flat floor area in the NE corner of the cavern (Q2). It bears quarry marks in places. It is 4.5 m long and 3 m wide, with an average elevation of 869.5.

35. Installation Locus – L.35 is the landing in the SE corner of the cavern, just inside entrance 1, at the foot of the stairs (Installation L.3 in square M28). It includes a rough set of steps leading down from the landing to Installation L.34. L.35 is 2 m by 1.75 m. The elevation on the landing is 870.67. The steps, in sequence, have elevation of 870.24, 870.15, and 870.01.

36. Installation Locus – L.36 is the flat floor area to the west of Installation L.35. It is 4 m long and 1.5 m wide, and has an elevation of 869.53.

37. Installation Locus – L.37 is the bench-like ledge along the southern wall of CAV1. It is 5.5 m long, 1 m wide, and has an elevation of 870.89. The entrance to CAV2 leads directly off of this ledge.

Note: Abundant human remains were found in December 2013. Anthropologist Marina Faerman assembled parts of six human skeletons (5 females and 1 male). Further human skeletal remains were also recovered in December 2014. These bones are still awaiting analysis to determine if they are from the previous skeletons or from new ones.

Conclusion

CAV1's primary function appears to be that of an olive oil production area from the first centuries BC. Evidence of this is as follows: vats within the cavern floor, and a number of large functional stones found within the cavern, including two massive piers and four large weight stones. A large concentration of sherds from Late Hasmonean storage vessels was found at the lowest levels of excavation. Many Early Roman cooking vessel sherds were found at higher levels of excavation, attesting to the fact that the cavern was later used as a dwelling area. It appears likely that CAV1 was repurposed together with CAV2 and CAV3 as a hiding system in the first century AD. This theory is supported by a coin sequence ending in AD 69 and a burn layer containing a heavy concentration of human bones mixed with ritual chalk stoneware and Early Roman pottery. To summarize, it appears that CAV1's primary period of occupation was about 100 BC – AD 69, first being used as an olive oil production facility and later being as a hiding system.

Objects for CAV1

Reg #	Date	Locus	Pail	Description
1745	17 Dec	19	27	Coin
1746	21 Dec	20	31	Glassware
1747	18 Dec	19	28	Weight 2
1748	18 Dec	19	28	Functional Olive Press Stone
1749	18 Dec	19	28	Glassware
1750	18 Dec	19	28	Metal Object
1751	18 Dec	19	28	Glassware
1753	21 Dec	19	30	Glassware
1754	21 Dec	19	30	Rod
1755	21 Dec	20	31	Glassware
1756	21 Dec	20	31	Unknown Object
1757	21 Dec	20	31	Nail

Reg #	Date	Locus	Pail	Description
1759	21 Dec	20	31	Glassware
1760	21 Dec	20	31	Coin
1761	21 Dec	24	34	Stoneware
1762	21 Dec	24	34	Stoneware
1763	21 Dec	24	34	Stoneware
1764	22 Dec	23	38	Nail
1765	21 Dec	24	34	Stoneware
1766	22 Dec	26	40	Stone Fragment
1767	22 Dec	20	36	Stoneware
1768	22 Dec	20	36	Stoneware
1769	22 Dec	24	35	Stoneware
1770	22 Dec	24	35	Stoneware
1771	22 Dec	21	37	Stoneware
1772	22 Dec	21	37	Stoneware
1773	22 Dec	21	37	Stoneware
1774	22 Dec	21	37	Stoneware
1775	22 Dec	21	37	Stoneware
1776	22 Dec	21	37	Stoneware
1777	22 Dec	26	40	Opus Sectile
1778	24 Dec	19	47	Glassware
1779	22 Dec	26	42	Stoneware
1780	23 Dec	28	45	Glassware
1781	23 Dec	28	45	Stoneware
1782	23 Dec	28	45	Nail
1783	23 Dec	26	42	Stoneware
1784	24 Dec	29	49	Spindle Whorl
1785	23 Dec	28	45	Stoneware
1786	24 Dec	21	48	Stoneware
1787	23 Dec	27	44	Stoneware

Reg #	Date	Locus	Pail	Description
1788	24 Dec	28	46	Stoneware
1789	24 Dec	28	46	Pounder
1790	23 Dec	21	41	Stoneware
1791	24 Dec	19	47	Opus Sectile
1792	25 Dec	29	53	Coin
1793	25 Dec	19	50	Sandal Tack
1794	25 Dec	29	53	Metal Strap
1795	25 Dec	19	50	Slingstone
1796	25 Dec	19	50	Glassware
1797	25 Dec	29	53	Mother-of-pearl Rim
1798	25 Dec	19	50	Stoneware
1799	25 Dec	29	53	Stoneware
1800	25 Dec	19	50	Stoneware
1801	24 Dec	28	46	Oil Lamp
1802	25 Dec	19	50	Stoneware
1803	25 Dec	19	50	Stoneware
1804	25 Dec	19	50	Stoneware
1805	28 Dec	19	56	Glassware
1806	28 Dec	19	58	Sandal Tack
1807	28 Dec	19	56	Glassware
1808	28 Dec	19	56	Nail
1809	28 Dec	19	56	Weight
1810	28 Dec	19	58	Stoneware
1811	28 Dec	29	57	Stoneware
1812	28 Dec	19	56	Stoneware
1813	28 Dec	19	56	Stoneware
1814	28 Dec	19	58	Stoneware
1815	30 Dec	28	67	Stoneware
1816	29 Dec	19	63	Ring

Reg #	Date	Locus	Pail	Description
1817	29 Dec	25	64	Metal Implement
1818	28 Dec	19	58	Coin
1819	29 Dec	19	63	Coin
1820	29 Dec	19	63	Coin
1821	29 Dec	25	64	Coin
1822	29 Dec	25	64	Stoneware
1823	29 Dec	19	63	Stoneware
1824	29 Dec	19	63	Stoneware
1825	29 Dec	29	62	Stoneware
1826	29 Dec	29	62	Stoneware
1827	29 Dec	19	63	Stoneware
1828	30 Dec	33	68	Metal Blade
1829	30 Dec	19	66	Metal Object
1830	30 Dec	33	68	Coin
1831	30 Dec	33	68	Glassware Rim
1832	30 Dec	33	68	Ceramic Stand
1833	30 Dec	33	68	Stoneware
1834	30 Dec	33	68	Stoneware
1835	30 Dec	33	68	Stoneware
1836	30 Dec	28	67	Stoneware
1837	30 Dec	19	66	Stoneware
1838	30 Dec	19	66	Stoneware
1839	30 Dec	33	68	Stoneware Handle
1840	30 Dec	19	63	Imberix roofing tile
1841	30 Dec	28	67	Worked Stone
1842	30 Dec	19	66	Weight 1
1843	30 Dec	19	66	Weight 3
1844	30 Dec	19	66	Weight 4
1845	30 Dec	19	66	Slotted Pier

Reg #	Date	Locus	Pail	Description
1846	30 Dec	19	66	Notched Stone
1847	28 Dec	19	56	Stoneware
1848	28 Dec	19	56	Stoneware
1849	-	-	-	Reconstructed Stoneware Cup, of objects 1163, 1783, 1785, 1810, 1839
1950	-	-	-	Reconstructed Stoneware Basin of objects 1824, 1833, 1834, 1823, 1837, 1838, 1815, 1787, 1200, 1776, 1802, 1803, 1790, 1822, 1762, 1773, 1224, 1183, 1189, 1229, 1227, 1188, 1186, 1187, 1827, 1228, 1181

Pottery Pails for CAV1

Pail	Date	Locus	Reading	Registered
27	17 Dec	19	24/33, 11 LH/ER	11
28	18 Dec	19	31/82, 12 LH/ER	12
29	18 Dec	20	8/31, 4 LH/ER	4
30	21 Dec	19	24/50, 18 LH/ER	18
31	21 Dec	20	16/175, 8 LH/ER	8
32	21 Dec	21	44/200, 18 LH/ER	18
33	21 Dec	23	3/24, 2 LH/ER	2
34	21 Dec	24	0/2	0
35	22 Dec	24	11/63, 6 LH/ER	6
36	22 Dec	20	7/66, 6 LH/ER	6
37	22 Dec	21	37/93, 17 LH/ER	17
38	22 Dec	23	7/54, 5 LH/ER	5
39	22 Dec	25	2/13, 2 LH/ER	2
40	22 Dec	26	4/9, 3 LH/ER	3

41	23 Dec	21	30/86, 6 LH/ER	6
42	23 Dec	26	30/157, 13 LH/ER	13
43	23 Dec	19	33/63, 9 LH/ER, 1 IA I	10
44	23 Dec	27	9/34, 4 LH/ER	4
45	23 Dec	28	31/135, 10 LH/ER (1 possible ostracon)	10
46	23 Dec	28	236/577, 79 LH/ER, 2 IA1	81
47	24 Dec	19	12/26, 7 LH/ER, 2 IA I	9
48	24 Dec	21	15/36, 8 LH/ER	8
49	24 Dec	29	3/17, 3 LH/ER	3
50	25 Dec	19	11/50, 5 LH/ER, 1 BYZ	6
51	25 Dec	19	13/17, 4 LH/ER	4
52	25 Dec	21	16/34, 6 LH/ER	6
53	25 Dec	29	12/20, 7 LH/ER	7
54	25 Dec	30	46/101, 22 LH/ER	22
55	25 Dec	28	0/0	0
56	28 Dec	19	25/151, 11 LH/ER	11
57	28 Dec	29	26/107, 15 LH/ER	15
58	28 Dec	19	20/61, 9 LH/ER	9
59	28 Dec	31	2/12, 2 LH/ER	2
60	28 Dec	32	3/12, 3 LH/ER	3
61	29 Dec	32	6/11, 4 LH/ER	4
62	29 Dec	29	14/29, 6 LH/ER	6
63	29 Dec	19	10/43, 4 LH/ER	4
64	29 Dec	25	10/30, 3 LH/ER	3
65	29 Dec	28	21/58, 14 LH/ER	14
66	30 Dec	19	6/25, 5 LH/ER	5
67	30 Dec	28	214/651, 100 LH/ER, 1 IA I	101
68	30 Dec	33	24/61, 12 LH/ER	12

Photos for CAV1

Number	File name	Description
001	KeM_2014-12-30_SS_001.jpg	L.14 Final Photo
002	KeM_2014-12-30_SS_002.jpg	L.22 Final Photo
003	KeM_2014-12-30_SS_003.jpg	L.36 with objects 1747 and 1842 left in field. Final Photo
004	KeM_2014-12-30_SS_004.jpg	Objects 1843 and 1844 left in field. Final Photo
005	KeM_2014-12-30_SS_005.jpg	L.34 with worked stones left in field. Final Photo
006	KeM_2014-12-30_SS_006.jpg	L.34 with worked stones left in field. Final Photo
007	KeM_2014-12-30_SS_007.jpg	L.34 with worked stones left in field. Final Photo
008	KeM_2014-12-30_SS_008.jpg	L.34 in foreground; L.35 in background. Final Photo
009	KeM_2014-12-30_SS_009.jpg	Stones left in situ on L.36. Western edge of L.35 in lower right corner of photo. Final Photo
010	KeM_2014-12-30_SS_010.jpg	CAV1 entrance 1 (photo taken from Square M28). Final Photo

SQUARE CAV 4 (UNDER SQUARES S22-23), 19-31 May (Abigail Leavitt, Square Supervisor)

CAV 4, located beneath squares S22 and S23, is a plastered installation featuring stairs (entrance 1) leading down to a landing, which then turns, passing under a bridge in the bedrock to an area that is open to the surface (entrance 2). Beyond this area, it opens up into what appears to be a cistern, with a circular opening (entrance 3) to the surface. The function of this installation is unknown, but it is likely a mikveh. The pottery was primarily LH/ER. 16 coins were found, as well as 1 piece of stoneware. The installation was not fully excavated.



Steps leading into CAV 4 (Mikveh?) (photo by Michael C. Luddeni)

Loci Details

1. **Earth Locus** – L.1 was the debris fill within the installation. It consisted of dark reddish brown earth, and many small, medium, and large stones. The top elevation was 873.90, and the bottom elevation was 872.12, with a depth of 1.87 m. Pottery and coins were abundant.
2. **Installation Locus** – L.2 is the installation. It consists of an entrance (entrance 1), which is 2.75 m long and 1.2 m wide, containing a flight of 4 stairs leading downward from NW to SE, with elevations of 873.78, 873.35, 872.98, and 872.55, a landing, elevation 872.25, and two

more steps, leading SW, with elevations of 872.12 and 871.75. It is unknown whether the steps continue, as excavations are not yet complete. A bedrock bridge passes over the lower two steps, with a top elevation of 873.90. It appears that there were pillars built of stones supporting the bridge, but all that remain are three stacked stones on the eastern end of the bridge. At the SE end of the flight of stairs is a niche carved into bedrock 60 cm deep and 70 cm wide, with a bottom elevation of 872.63. Entrance 2 is 1.3 m long and 60 cm wide, and the surface bedrock at the NW end of the opening bears evidence of quarrying. In the northern corner of the opening is a niche carved into the bedrock, with a top elevation of 874.08, and a bottom elevation of 873.94. Its function is unknown. Entrance 3 is a circular opening with a diameter of 50 cm, and a small niche on the western side of the hole, probably functional for prying a capstone off the opening. The interior of the entire installation bears evidence of having been plastered all the way to the ceiling, and in some locations a second layer of plaster exists.

Objects for CAV 4

Reg #	Object	Date	Locus	Pail
1496	Coin	27 May	1	1
1497	Coin	27 May	1	1
1504	Stopper	27 May	1	1
1506	Coin	27 May	1	1
1507	Stopper	27 May	1	1
1559	Stoneware	28 May	1	2
1570	Coin	28 May	1	2
1571	Coin	28 May	1	2
1572	Coin	28 May	1	2
1573	Tip	28 May	1	2
1574	Coin	28 May	1	2
1575	Coin	28 May	1	2
1630	Coin	29 May	1	3
1631	Coin	29 May	1	3
1632	Coin	29 May	1	3
1690	Glassware	30 May	1	4

Reg #	Object	Date	Locus	Pail
1694	Coin	30 May	1	4
1696	Coin	30 May	1	4
1697	Coin	30 May	1	4
1698	Coin	30 May	1	4
1699	Coin	30 May	1	4

Pottery Pails for CAV 4

Pail	Date	Locus	Reading	Registered
1	27 May	1	0/0	0
2	28 May	1	44/58, 2 IA I, 42 LH/ER	16
3	29 May	1	63/80, 1 LB I (refired), 62 LH/ER	19
4	30 May	1	69/94, 69 LH/ER	26

Photographs for CAV 4

Number	File Name	Description
074	KeM 2014-05-30 074.jpg	CAV 4 final day photo; view from north.
075	KeM 2014-05-30 075.jpg	CAV 4 final day photo; view from NW.

SURFACE FINDS NOT ASSOCIATED TO EXCAVATED SQUARES

Reg #	Object	Date	Square	Locus	Pail
1297	Slingstone	20 May	N21	Surface Find	Surface Find
1298	Metal fragment	20 May	R20	Surface Find	Surface Find
1330	Iron Nail	21 May	P10	Surface Find	Surface Find
1397	Pounder	22 May	N23	Surface Find	Surface Find
1701	Coin	30 May	CAV1	Surface Find	Surface Find
1715	Grinder	29 May	P10	Surface Find	Surface Find
1744	Coin	17 Dec	O23	Surface Find	Surface Find
1752	Coin	18 Dec	H23	Surface Find	Surface Find
1758	Chisel	21 Dec	P25	Surface Find	Surface Find

APPENDIX 1: OBJECT LIST

No.	Description	Material	Date	Square	Locus	Pail
1234	Opus Sectile	Stone	19 May	Q23	1	1
1235	Glass Base	Glass	19 May	Q23	1	1
1236	Coin	Bronze	19 May	Q23	2	2
1237	Coin	Bronze	19 May	Q23	2	2
1238	Coin	Bronze	19 May	Q23	1	1
1239	Coin	Bronze	19 May	Q23	1	1
1240	Coin	Bronze	19 May	Q23	1	1
1241	Coin	Bronze	19 May	Q23	1	1
1242	Coin	Bronze	19 May	O21	3	18
1243	Coin		19 May	O21	3	18
1244	Coin	Bronze	19 May	O21	3	18
1245	Bronze Fragment	Bronze	19 May	O21	3	18
1246	Opus Sectile	Stone	19 May	Q23	2	2
1247	Pounder	Flint	19 May	O22	2	2
1248	Glass Bead	Glass	19 May	O22	2	2
1249	Nail?	Iron	19 May	O22	1	1
1250	Grinding Stone	Basalt	20 May	P20	14	38
1251	Ceramic Stopper	Ceramic	19 May	P21	1	57
1252	Stoneware	Stone	19 May	P23	1	1
1253	2 Sandal Tacks	Metal	19 May	P21	1	57
1254	Coin	Bronze	19 May	R20	12	30
1255	Glass Rim	Glass	20 May	O22	2	3
1256	Metal Hook	Metal	20 May	P20	16	39
1257	Glass Rim	Glass	20 May	P20	13	37
1258	Metal Fragment	Metal	20 May	P20	13	37
1259	Metal Fragment	Metal	20 May	P20	14	38
1260	Scarab	Bone	20 May	P20	16	39
1261	Nail	Iron	20 May	P20	13	37
1262	Bronze Fragment	Bronze	20 May	O22	2	3

No.	Description	Material	Date	Square	Locus	Pail
1263	Nail	Iron	20 May	O22	2	3
1264	Coin	Bronze	20 May	P20	14	38
1265	Coin	Bronze	20 May	P20	13	17
1266	Coin	Bronze	20 May	O22	2	3
1267	Coin	Bronze	20 May	O22	2	3
1268	Coin	Bronze	20 May	O22	2	3
1269	Coin	Bronze	20 May	O22	2	3
1270	Coin	Bronze	20 May	O23	21	7
1271	Coin	Bronze	20 May	O23	21	7
1272	Coin	Bronze	19 May	O23	21	5
1273	Coin	Bronze	19 May	P20	14	36
1274	Coin	Bronze	20 May	O23	1	7
1275	Pounder	Stone	20 May	P21	21	59
1276	Slingstone	Stone	20 May	O22	2	3
1277	Stoneware	Stone	19 May	P21	1	57
1278	Stoneware	Stone	19 May	P21	1	57
1279	Stopper?	Stone	20 May	P21	1	58
1280	Stoneware	Stone	20 May	P20	13	37
1281	Loom Weight	Stone	23 May	Q23	6	10
1282	Pounder?	Basalt	20 May	Q10	14	30
1283	Metal Tool?	Metal	19 May	Q11	Surface find	Surface find
1284	Sandal Tack	Metal	20 May	P23	3	3
1285	Iron Peg?	Iron	20 May	Q11	Surface find	Surface find
1286	Iron Tack	Iron	19 May	Q9	Surface find	Surface find
1287	Tack		20 May	P23	3	3
1288	Coin	Bronze	19 May	P23	3	2
1289	Coin	Bronze	19 May	P23	3	2
1290	Coin	Bronze	19 May	P23	3	2
1291	Coin	Bronze	20 May	P23	3	3

No.	Description	Material	Date	Square	Locus	Pail
1292	Coin	Bronze	20 May	P23	3	3
1293	Coin	Bronze	20 May	P23	3	3
1294	Coin	Bronze	20 May	P23	3	3
1295	Nail	Iron	20 May	Q10	18	58
1296	Needle?	Metal	19 May	Q10	14	28
1297	Slingstone	Stone	20 May	N21	Surface find	Surface find
1298	Metal Fragment	Metal	20 May	R20	13	32
1299	Coin	Bronze	20 May	R20	13	32
1300	Coin	Bronze	20 May	R20	13	32
1301	Coin	Bronze	20 May	R20	13	32
1302	Coin	Bronze	19 May	O21	3	18
1303	Ring	Metal	20 May	O21	15	20
1304	Coin	Bronze	20 May	O21	15	20
1305	Coin	Bronze	20 May	O21	15	20
1306	Metal Fragment	Metal	20 May	O21	15	20
1307	Sandal Tack	Metal	20 May	Q23	2	3
1308	Coin	Bronze	20 May	Q23	2	3
1309	Coin	Bronze	20 May	Q23	2	3
1310	Coin	Bronze	20 May	Q23	2	3
1311	Coin	Bronze	20 May	Q23	2	3
1312	Nail	Iron	20 May	Q23	2	3
1313	Slingstone	Stone	21 May	O23	1	8
1314	Slingstone	Stone	21 May	P20	16	41
1315	Stoneware	Stone	21 May	R20	12	30
1316	Slingstone	Stone	21 May	O23	1	8
1317	Stopper	Stone	21 May	O22	2	5
1318	Stopper	Stone	21 May	O23	1	8
1319	Grinder	Basalt	21 May	O23	1	8
1320	Stoneware	Stone	22 May	R20	8	36
1321	Glass Rim	Glass	21 May	O22	2	5

No.	Description	Material	Date	Square	Locus	Pail
1322	Coin	Bronze	21 May	Q23	3	4
1323	Coin	Bronze	21 May	P23	5	7
1324	Ring	Metal	21 May	P23	6	5
1325	Coin	Bronze	21 May	P23	7	10
1326	Hook	Metal	21 May	O23	1	8
1327	Stoneware	Stone	21 May	O22	2	5
1328	Ring	Metal	21 May	O23	1	8
1329	Makeup applicator	Metal	21 May	O23	1	8
1330	Iron nail	Iron	21 May	P10	Surface find	Surface find
1331	Coin	Bronze	21 May	O21	15	21
1332	Sandal Tack	Metal	21 May	O21	15	21
1333	Coin	Bronze	21 May	O21	15	21
1334	Coin	Bronze	21 May	O21	15	21
1335	Metal Tack	Metal	21 May	P20	13	40
1336	Coin	Bronze	21 May	P20	17	42
1337	Bronze tack head?	Bronze	21 May	P20	18	43
1338	Coin	Bronze	21 May	P20	18	43
1339	Coin	Bronze	21 May	P20	18	43
1340	Coin	Bronze	21 May	O23	1	18
1341	Coin	Bronze	21 May	Q23	3	4
1342	Coin	Bronze	21 May	Q23	3	4
1343	Coin	Bronze	21 May	O23	1	18
1344	Coin	Bronze	21 May	Q23	3	4
1345	Coin	Bronze	21 May	Q23	3	4
1346	Coin	Bronze	21 May	Q23	3	4
1347	Coin	Bronze	21 May	R20	8	34
1348	Bead	Carnelian	21 May	P20	20	45
1349	Coil	Lead	22 May	O22	2	9
1350	Bead	Stone	22 May	O21	17	25
1351	Needle	Metal	22 May	O21	17	25

No.	Description	Material	Date	Square	Locus	Pail
1352	Jar Stopper	Stone	22 May	P20	20	45
1353	Nail	Iron	22 May	R20	8	36
1354	Slag	Copper	22 May	O21	16	23
1355	Coin	Metal	22 May	R20	8	36
1356	Sandal Tack	Metal	22 May	O22	2	9
1357	Flint Core	Flint	22 May	O22	2	9
1358	Horseshoe Nail	Metal	22 May	O23	1	9
1359	Nail	Iron	22 May	O22	2	9
1360	Washer	Metal	22 May	P23	8	11
1361	Coin	Bronze	22 May	P20	20	45
1362	Coin	Bronze	22 May	P20	20	45
1363	Coin	Bronze	22 May	P20	20	45
1364	Coin	Bronze	22 May	P20	20	45
1365	Coin	Bronze	22 May	P20	18	44
1366	Coin	Bronze	22 May	P20	18	44
1367	Tack	Metal	22 May	O22	2	8
1368	Coin	Bronze	22 May	P23	5	13
1369	Coin	Bronze	22 May	P23	9	12
1370	Coin	Bronze	22 May	P23	9	13
1371	Coin	Bronze	22 May	P23	9	12
1372	Coin	Bronze	22 May	P23	9	12
1373	Coin	Bronze	22 May	P23	9	12
1374	Coin	Bronze	22 May	P23	9	12
1375	Coin	Bronze	22 May	O23	1	9
1376	Tack	Bronze	22 May	P23	9	12
1377	Coin	Bronze	22 May	Q23	4	6
1378	Coin	Bronze	22 May	Q23	3	5
1379	Coin	Bronze	22 May	P20	15	45
1380	Coin	Bronze	22 May	P20	15	45
1381	Coin	Bronze	22 May	Q23	5	7
1382	Coin	Bronze	22 May	P20	15	45

No.	Description	Material	Date	Square	Locus	Pail
1383	Coin	Bronze	22 May	P20	15	45
1384	Coin	Bronze	22 May	P20	18	44
1385	Coin	Bronze	22 May	P20	15	45
1386	Coin	Bronze	22 May	Q23	5	7
1387	Coin	Bronze	22 May	Q23	3	5
1388	Coin	Bronze	22 May	Q23	3	5
1389	Coin	Bronze	22 May	P20	18	44
1390	Coin	Bronze	22 May	O22	2	9
1391	Coin	Bronze	22 May	R20	8	36
1392	Coin	Bronze	22 May	R20	8	36
1393	Coin	Bronze	22 May	R20	8	36
1394	Coin	Bronze	22 May	R20	8	36
1395	Slingstone	Stone	22 May	Q23	3	5
1396	Opus Setile	Stone	22 May	O23	1	9
1397	Pounder	Flint	22 May	N23	Surface find	Surface find
1398	Slingstone	Stone	22 May	O21	16	23
1399	Stoneware	Stone	21 May	O22	2	5
1400	Ceramic Tile	Ceramic	21 May	O22	2	5
1401	Slingstone	Stone	23 May	R20	8	38
1402	Flint Nodule	Flint	23 May	R20	8	38
1403	Opus Sectile	Stone	21 May	R20	8	34
1404	Stoneware	Stone	22 May	P21	1	62
1405	Grinder	Basalt	23 May	O22	4	11
1406	Grinder	Basalt	22 May	P20	18	44
1407	Tool	Stone	26 May	Q23	9	13
1408	Coin		26 May	Q23	9	13
1409	Coin		26 May	Q23	9	13
1410	Coin	Bronze	23 May	Q23	8	11
1411	Coin	Bronze	23 May	Q23	8	11
1412	Weight	Bronze	23 May	Q23	8	11

No.	Description	Material	Date	Square	Locus	Pail
1413	Coin	Bronze	23 May	P23	8	15
1414	Coin	Bronze	23 May	P23	8	15
1415	Glass rim	Glass	23 May	P22	1	1
1416	Coin	Bronze	23 May	P20	20	47
1417	Coin	Bronze	23 May	P20	20	47
1418	Coin	Bronze	23 May	P20	20	47
1419	Coin	Bronze	23 May	P20	20	47
1420	Coin	Bronze	23 May	P20	20	47
1421	Coin	Bronze	23 May	O21	17	26
1422	Coin	Bronze	23 May	P20	20	47
1423	Coin	Bronze	23 May	P22	1	1
1424	Coin	Bronze	23 May	O22	2	10
1425	Coin	Bronze	23 May	O22	2	10
1426	Coin	Bronze	23 May	O22	2	10
1427	Coin	Bronze	23 May	O22	2	10
1428	Coin	Bronze	23 May	O22	2	10
1429	Coin	Bronze	23 May	O22	4	11
1430	Coin	Bronze	23 May	O22	4	11
1431	Coin	Bronze	23 May	O22	4	11
1432	Coin	Bronze	23 May	P20	18	48
1433	Coin	Bronze	23 May	R20	8	38
1434	Coin	Bronze	23 May	O23	1	10
1435	Coin		26 May	Q23	9	13
1436	Coin		26 May	Q23	9	13
1437	Coin		26 May	Q23	9	13
1438	Coin		26 May	Q23	9	13
1439	Coin		26 May	Q23	9	13
1440	Coin		26 May	Q23	9	13
1441	Juglet	Ceramic	26 May	Q23	9	13
1442	Grinder	Basalt	23 May	P22	1	1
1443	Coin		26 May	P23	8	18

No.	Description	Material	Date	Square	Locus	Pail
1444	Sandal Tack	Metal	26 May	O21	17	29
1445	Nail	Iron	26 May	O21	18	28
1446	Coin		26 May	P20	18	49
1447	Coin		26 May	P20	20	50
1448	Coin		26 May	R20	8	39
1449	Coin		26 May	P22	1	2
1450	Coin		26 May	R20	8	39
1451	Coin		26 May	P20	1	2
1452	Coin		26 May	R20	8	39
1453	Coin		26 May	P22	1	2
1454	Coin		26 May	P23	8	18
1455	Coin		26 May	P23	9	19
1456	Coin		26 May	P23	8	18
1457	Coin		26 May	O22	4	12
1458	Coin		26 May	O23	1	13
1459	Coin		26 May	O23	1	13
1460	Coin		26 May	O22	4	12
1461	Iron Fragment		26 May	O23	1	13
1462	Coin		26 May	O22	4	12
1463	Coin		26 May	O22	4	12
1464	Coin		26 May	O22	4	12
1465	Coin		26 May	Unknown provenience		
1466	Coin		26 May	Unknown provenience		
1467	Coin		26 May	O22	4	12
1468	Grinder		26 May	O23	15	13
1469	Coin		26 May	O22	4	12
1470	Coin		26 May	O22	4	12
1471	Coin		26 May	O22	4	12
1472	Coin		26 May	O22	4	12

No.	Description	Material	Date	Square	Locus	Pail
1473	Coin		26 May	O22	4	12
1474	Coin		26 May	O22	4	12
1475	Coin		26 May	O22	4	12
1476	Die	Lapis Lazuli	27 May	P22	1	3
1477	Pounder	Stone	27 May	P20	18	49
1478	Sickle	Iron/Wood	27 May	P20	18	51
1479	Nail	Iron	27 May	Y22	Surface find	Surface find
1480	Arrowhead	Bronze	30 May	Q10	31	31
1481	Blade	Flint	30 May	Q9	101	101
1482	Ostrakon		29 May	O22	7	19
1483	Glassware	Glass	27 May	P20	18	51
1484	Blade	Flint	27 May	Q10	22	39
1485	Blade	Flint	27 May	Q10	22	39
1486	Coin		27 May	P23	9	22
1487	Coin		27 May	P20	18	51
1488	Coin		27 May	P22	1	3
1489	Coin		27 May	P20	18	51
1490	Coin		26 May	P22	1	2
1491	Coin		27 May	P22	1	3
1492	Coin		27 May	P22	1	3
1493	Coin		27 May	P22	1	3
1494	Coin		27 May	P22	1	3
1495	Coin		27 May	P22	1	3
1496	Coin		27 May	CAV4	1	1
1497	Coin		27 May	CAV4	1	1
1498	Coin		27 May	P23	13	21
1499	Coin		27 May	Q23	9	16
1500	Coin		27 May	Q23	9	16
1501	Coin		27 May	Q23	9	16
1502	Coin		27 May	Q23	9	16

No.	Description	Material	Date	Square	Locus	Pail
1503	Coin		27 May	Q23	9	16
1504	Stopper		27 May	CAV4	1	1
1505	Jewelry (earring)		27 May	Q23	9	16
1506	Coin		27 May	CAV4	1	1
1507	Stopper	Ceramic	27 May	CAV4	1	1
1508	Millstone	Stone	27 May	P23	9	22
1509	Rod	Bronze	27 May	O21	17	30
1510	Nail	Iron	27 May	O21	17	30
1511	Coin		27 May	O22	4	14
1512	Sandal Tack	Iron	27 May	O22	4	14
1513	Hook	Metal	27 May	O23	1	17
1514	Coin		27 May	O23	1	17
1515	Coin		27 May	O23	13	14
1516	Coin		27 May	O23	2	15
1517	Cult Leg	Stone	27 May	O23	1	13
1518	Pounder	Flint	27 May	Q10	17	46
1519	Grinder	Basalt	27 May	O22	4	12
1520	Slingstone	Stone	27 May	O21	17	30
1521	Slingstone	Stone	27 May	O21	17	30
1522	Slingstone	Stone	27 May	O22	4	12
1523	Coin		27 May	Y22	Surface find	Surface find
1524	Coin		27 May	O22	4	12
1525	Coin		27 May	O22	4	12
1526	Coin		27 May	O22	4	12
1527	Coin		27 May	O22	4	12
1528	Coin		27 May	O22	4	12
1529	Coin		27 May	O22	4	12
1530	Pounder	Stone	27 May	Q10	23	39
1531	Metal Object	Metal	27 May	P20	18	51
1532	Sandal Tack	Metal	27 May	P22	1	3

No.	Description	Material	Date	Square	Locus	Pail
1533	Slingstone	Stone	28 May	P22	1	4
1534	Opus Sectile	Stone	28 May	P22	1	3
1535	Grinder	Stone	27 May	O22	4	14
1536	Grinder	Stone	27 May	O22	4	14
1537	Pot fragments	Ceramic	27 May	P22	1	3
1538	Slingstone	Flint	28 May	P22	1	4
1539	Coin		28 May	X23	Surface find	Surface find
1540	Coin		28 May	X23	Surface find	Surface find
1541	Coin		28 May	X23	Surface find	Surface find
1542	Coin		28 May	P22	1	4
1543	Coin		28 May	P22	1	4
1544	Coin		28 May	P20	18	52
1545	Coin		28 May	P20	18	52
1546	Coin		28 May	P20	18	52
1547	Coin		28 May	P20	18	52
1548	Coin		28 May	P20	18	52
1549	Coin		28 May	P22	1	4
1550	Tack		28 May	P20	18	52
1551	Tool	Bronze & Ceramic	30 May	Q10	31	31
1552	Coin		28 May	P23	9	22
1553	Slag		28 May	O22	6	16
1554	Coin		27 May	P23	13	21
1555	Coin		28 May	P23	13	24
1556	Coin		28 May	P23	8	23
1557	Coin		28 May	P23	8	23
1558	Tweezers	Metal	28 May	P23	8	23
1559	Stoneware	Stone	28 May	CAV4	1	2
1560	Slingstone	Stone	28 May	Q23	4	21

No.	Description	Material	Date	Square	Locus	Pail
1561	Coin		28 May	O23	12	18
1562	Ornamental Carved Stone	Limestone	28 May	O23	12	18
1563	Coin		28 May	O23	12	18
1564	Tack?		28 May	O23	12	18
1565	Coin		28 May	O23	12	18
1566	Coin		28 May	O23	12	18
1567	Coin		28 May	O23	12	18
1568	Coin		28 May	O23	12	18
1569	Slingstone		30 May	Q9	101	101
1570	Coin		28 May	CAV4	1	2
1571	Coin		28 May	CAV4	1	2
1572	Coin		28 May	CAV4	1	2
1573	Tip	Metal	28 May	CAV4	1	2
1574	Coin		28 May	CAV4	1	2
1575	Coin		28 May	CAV4	1	2
1576	Ring	Metal	28 May	O21	17	32
1577	Coin		28 May	P23	13	24
1578	Coin		28 May	O22	6	16
1579	Coin		28 May	O22	6	16
1580	Coin		28 May	O22	6	16
1581	Coin		28 May	O22	6	16
1582	Coin		28 May	O22	6	16
1583	Coin		28 May	O22	6	16
1584	Glassware	Glass	28 May	O22	6	16
1585	Arrowhead	Flint	28 May	O22	6	16
1586	Glassware	Glass	28 May	O22	6	16
1587	Pounder	Flint	30 May	Q9	101	101
1588	Bead	Metal	28 May	O22	6	16
1589	Earring	Metal	28 May	O22	6	16
1590	Bead	Metal	28 May	O22	6	16
1591	Coin		28 May	O22	6	16

No.	Description	Material	Date	Square	Locus	Pail
1592	Coin		28 May	O22	6	16
1593	Coin		28 May	O22	6	16
1594	Coin		28 May	O22	6	16
1595	Coin		28 May	O22	6	16
1596	Coin		28 May	O22	6	16
1597	Coin		28 May	O22	6	16
1598	Coin		28 May	O22	6	16
1599	Coin		28 May	O22	6	16
1600	Coin		28 May	O22	6	16
1601	Coin		28 May	O22	6	16
1602	Coin		28 May	O22	6	16
1603	Coin		28 May	O22	6	16
1604	Coin		28 May	O22	6	16
1605	Coin		28 May	O22	6	16
1606	Coin		28 May	O22	6	16
1607	Coin		28 May	O22	6	16
1608	Coin		28 May	O22	6	16
1609	Coin		28 May	O22	6	16
1610	Coin		28 May	O22	6	16
1611	Coin		30 May	O22	7	21
1612	Grinder	Stone	28 May	O22	4	15
1613	Stoneware	Stone	29 May	P22	1	6
1614	Slingstone	Stone	29 May	P23	13	27
1615	Slingstone	Stone	28 May	O23	9	19
1616	Slingstone	Stone	29 May	O21	20	38
1617	Slingstone	Stone	29 May	P22	3	7
1618	Pounder	Stone	28 May	O23	12	18
1619	Stoneware	Stone	29 May	P22	3	7
1620	Grinder	Basalt	29 May	O23	12	18
1621	Obsidian	Obsidian	29 May	O21	19	38
1622	Metal Fragment	Metal	29 May	P23	13	27

No.	Description	Material	Date	Square	Locus	Pail
1623	Olive Press Stone	Stone	29 May	P23	9	28
1624	Coin		29 May	P23	9	28
1625	Coin		29 May	O23	2	20
1626	Coin		29 May	O23	2	20
1627	Coin		29 May	O23	2	20
1628	Coin		29 May	O23	2	20
1629	Coin		29 May	O23	2	20
1630	Coin		29 May	CAV4	1	3
1631	Coin		29 May	CAV4	1	3
1632	Coin		29 May	CAV4	1	3
1633	Bronze Fragment	Bronze	29 May	S22	Surface find	Surface find
1634	Coin		29 May	O22	7	18
1635	Nail	Iron	29 May	O22	7	18
1636	Stoneware	Stone	29 May	O22	7	18
1637	Coin		29 May	O22	7	18
1638	Coin		29 May	O22	7	18
1639	Coin		29 May	O22	9	19
1640	Coin		29 May	O22	9	19
1641	Coin		30 May	O22	7	21
1642	Coin		29 May	O22	7	18
1643	Coin		29 May	O22	7	18
1644	Coin		29 May	O22	7	18
1645	Coin		29 May	O22	7	18
1646	Coin		29 May	O22	7	18
1647	Coin		29 May	O22	7	18
1648	Silo Capstone	Stone	29 May	O22	5	18
1649	Pounder	Stone	30 May	P22	6	13
1650	Olive Press Stone	Stone	30 May	O21	20	45
1651	Coin		30 May	P22	1	10
1652	Coin		30 May	P22	6	13

No.	Description	Material	Date	Square	Locus	Pail
1653	Coin		30 May	P22	4	12
1654	Bracelet	Glass	30 May	P22	4	12
1655	Stopper	Ceramic	28 May	P20	18	52
1656	Coin		29 May	P22	1	6
1657	Coin		29 May	P22	1	6
1658	Zoomorphic Figurine	Bronze	30 May	P22	4	12
1659	Tack		29 May	P22	1	6
1660	Coin		29 May	P22	1	6
1661	Coin		30 May	P22	1	10
1662	Coin		30 May	P22	4	12
1663	Coin		30 May	P22	6	13
1664	Coin		30 May	P22	4	12
1665	Coin		30 May	P22	6	13
1666	Sandal Tack	Metal	30 May	P22	3	11
1667	Coin		30 May	P22	6	13
1668	Coin		30 May	P22	4	12
1669	Coin		30 May	P22	6	13
1670	Coin		30 May	P22	6	13
1671	Coin		30 May	P22	1	10
1672	Weight	Stone	29 May	P23	13	27
1673	Pot rim	Ceramic	29 May	P23	13	27
1674	Pot fragment	Ceramic	29 May	P22	3	7
1675	Bracelet	Metal	30 May	O21	12	27
1676	Coin		30 May	P23	9	30
1677	Coin		30 May	P23	9	30
1678	Coin		30 May	P23	9	30
1679	Coin		30 May	P23	9	30
1680	Coin		30 May	P23	9	30
1681	Glassware	Glass	30 May	P23	13	29
1682	Coin		30 May	P23	9	30
1683	Coin		30 May	P23	9	30

No.	Description	Material	Date	Square	Locus	Pail
1684	Coin		30 May	P23	9	30
1685	Coin		30 May	P23	9	30
1686	Coin		30 May	P23	9	30
1687	Coin		30 May	P23	9	30
1688	Coin		30 May	P23	9	30
1689	Coin		30 May	P23	13	29
1690	Glassware	Glass	30 May	CAV4	1	4
1691	Coin		30 May	O22	7	21
1692	Coin		30 May	P23	9	30
1693	Coin		30 May	P23	9	30
1694	Coin		30 May	CAV4	1	4
1695	Coin		27 May	Q23	9	16
1696	Coin		30 May	CAV4	1	4
1697	Coin		30 May	CAV4	1	4
1698	Coin		30 May	CAV4	1	4
1699	Coin		30 May	CAV4	1	4
1700	Coin		30 May	O21	20	45
1701	Coin		30 May	CAV1	Surface find	Surface find
1702	Nail	Iron	30 May	O23	2	21
1703	Knife Blade	Metal	30 May	O23	17	22
1704	Coin		30 May	O23	17	22
1705	Coin		30 May	O23	2	21
1706	Coin		30 May	O23	2	21
1707	Coin		30 May	O23	2	21
1708	Coin		30 May	O23	2	21
1709	Ring	Metal	30 May	O23	2	21
1710	Stone Object	Stone	30 May	O23	2	21
1711	Grinder	Stone	30 May	P22	6	13
1712	Slingstone	Flint	30 May	O21	19	46
1713	Slingstone	Stone	30 May	P23	9	30

No.	Description	Material	Date	Square	Locus	Pail
1714	Slingstone	Stone	30 May	O21	19	46
1715	Grinder	Stone	29 May	P10	Surface find	Surface find
1716	Grinder	Basalt	27 May	O23	13	14
1717	Cook Jar	Ceramic	22 May	P20	19	49
1718	Nail	Iron	30 May	O22	7	21
1719	Tack	Metal	30 May	O22	4	22
1720	Glassware	Glass	30 May	O22	4	22
1721	Glassware	Glass	30 May	O22	10	21
1722	Glassware	Glass	30 May	O22	10	21
1723	Glassware	Glass	30 May	O22	4	22
1724	Nail	Iron	30 May	O22	10	21
1725	Flint	Flint	29 May	P23	13	27
1726	Stoneware	Stone	27 May	O22	4	14
1727	Coin		30 May	O22	4	22
1728	Coin		30 May	O22	4	22
1729	Coin		30 May	O22	4	22
1730	Coin		30 May	O22	4	22
1731	Coin		30 May	O22	4	22
1732	Coin		30 May	O22	7	21
1733	Coin		30 May	O22	7	21
1734	Coin		30 May	O22	7	21
1735	Coin		30 May	O22	7	21
1736	Coin		30 May	O22	7	21
1737	Coin		30 May	O22	7	21
1738	Coin		30 May	O22	7	21
1739	Coin		30 May	O22	7	21
1740	Coin		30 May	O22	7	21
1741	Coin		30 May	O22	7	21
1744	Coin	Metal	17 Dec	O23	Surface find	Surface find

No.	Description	Material	Date	Square	Locus	Pail
1745	Coin	Metal	17 Dec	CAV1	19	27
1746	Glassware	Glass	21 Dec	CAV1	20	31
1747	Weight 2	Stone	18 Dec	CAV1	19	28
1748	Functional Olive Press Stone	Stone	18 Dec	CAV1	19	28
1749	Glassware	Glass	18 Dec	CAV1	19	28
1750	Metal Object	Metal	18 Dec	CAV1	19	28
1751	Glassware	Glass	18 Dec	CAV1	19	28
1752	Coin	Metal	18 Dec	H23	Surface find	Surface find
1753	Glassware	Glass	21 Dec	CAV1	19	30
1754	Rod	Metal	21 Dec	CAV1	19	30
1755	Glassware	Glass	21 Dec	CAV1	20	31
1756	Unknown Object		21 Dec	CAV1	20	31
1757	Nail	Metal	21 Dec	CAV1	20	31
1758	Chisel	Metal	21 Dec	P25	Surface find	Surface find
1759	Glassware	Glass	21 Dec	CAV1	20	31
1760	Piece of a mirror?	Metal	21 Dec	CAV1	20	31
1761	Stoneware	Stone	21 Dec	CAV1	24	34
1762	Stoneware	Stone	21 Dec	CAV1	24	34
1763	Stoneware	Stone	21 Dec	CAV1	24	34
1764	Nail	Iron	22 Dec	CAV1	23	38
1765	Stoneware	Stone	21 Dec	CAV1	24	34
1766	Stone Fragment	Stone	22 Dec	CAV1	26	40
1767	Stoneware	Stone	22 Dec	CAV1	20	36
1768	Stoneware	Stone	22 Dec	CAV1	20	36
1769	Stoneware	Stone	22 Dec	CAV1	24	35
1770	Stoneware	Stone	22 Dec	CAV1	24	35
1771	Stoneware	Stone	22 Dec	CAV1	21	37
1772	Stoneware	Stone	22 Dec	CAV1	21	37
1773	Stoneware	Stone	22 Dec	CAV1	21	37

No.	Description	Material	Date	Square	Locus	Pail
1774	Stoneware	Stone	22 Dec	CAV1	21	37
1775	Stoneware	Stone	22 Dec	CAV1	21	37
1776	Stoneware	Stone	22 Dec	CAV1	21	37
1777	Opus Sectile	Stone	22 Dec	CAV1	26	40
1778	Glassware	Glass	24 Dec	CAV1	19	47
1779	Stoneware	Stone	22 Dec	CAV1	26	42
1780	Glassware	Glass	23 Dec	CAV1	28	45
1781	Stoneware	Stone	23 Dec	CAV1	28	45
1782	Nail	Metal	23 Dec	CAV1	28	45
1783	Stoneware	Stone	23 Dec	CAV1	26	42
1784	Spindle Whorl	Stone	24 Dec	CAV1	29	49
1785	Stoneware	Stone	23 Dec	CAV1	28	45
1786	Stoneware	Stone	24 Dec	CAV1	21	48
1787	Stoneware	Stone	23 Dec	CAV1	27	44
1788	Stoneware	Stone	24 Dec	CAV1	28	46
1789	Pounder	Stone	24 Dec	CAV1	28	46
1790	Stoneware	Stone	23 Dec	CAV1	21	41
1791	Opus Sectile	Stone	24 Dec	CAV1	19	47
1792	Coin	Metal	25 Dec	CAV1	29	53
1793	Sandal Tack	Metal	25 Dec	CAV1	19	50
1794	Metal Strap	Metal	25 Dec	CAV1	29	53
1795	Slingstone	Stone	25 Dec	CAV1	19	50
1796	Glassware	Glass	25 Dec	CAV1	19	50
1797	Mother-of-pearl Rim	Mother of Pearl	25 Dec	CAV1	29	53
1798	Stoneware	Stone	25 Dec	CAV1	19	50
1799	Stoneware	Stone	25 Dec	CAV1	29	53
1800	Stoneware	Stone	25 Dec	CAV1	19	50
1801	Oil Lamp	Ceramic	24 Dec	CAV1	28	46
1802	Stoneware	Stone	25 Dec	CAV1	19	50
1803	Stoneware	Stone	25 Dec	CAV1	19	50

No.	Description	Material	Date	Square	Locus	Pail
1804	Stoneware	Stone	25 Dec	CAV1	19	50
1805	Glassware	Glass	28 Dec	CAV1	19	56
1806	Sandal Tack	Metal	28 Dec	CAV1	19	58
1807	Glassware	Glass	28 Dec	CAV1	19	56
1808	Nail	Metal	28 Dec	CAV1	19	56
1809	Weight	Stone	28 Dec	CAV1	19	56
1810	Stoneware	Stone	28 Dec	CAV1	19	58
1811	Stoneware	Stone	28 Dec	CAV1	29	57
1812	Stoneware	Stone	28 Dec	CAV1	19	56
1813	Stoneware	Stone	28 Dec	CAV1	19	56
1814	Stoneware	Stone	28 Dec	CAV1	19	58
1815	Stoneware	Stone	30 Dec	CAV1	28	67
1816	Ring	Metal	29 Dec	CAV1	19	63
1817	Metal Implement	Metal	29 Dec	CAV1	25	64
1818	Coin	Metal	28 Dec	CAV1	19	58
1819	Coin	Metal	29 Dec	CAV1	19	63
1820	Coin	Metal	29 Dec	CAV1	19	63
1821	Coin	Metal	29 Dec	CAV1	25	64
1822	Stoneware	Stone	29 Dec	CAV1	25	64
1823	Stoneware	Stone	29 Dec	CAV1	19	63
1824	Stoneware	Stone	29 Dec	CAV1	19	63
1825	Stoneware	Stone	29 Dec	CAV1	29	62
1826	Stoneware	Stone	29 Dec	CAV1	29	62
1827	Stoneware	Stone	29 Dec	CAV1	19	63
1828	Metal Blade	Metal	30 Dec	CAV1	33	68
1829	Metal Object	Metal	30 Dec	CAV1	19	66
1830	Coin	Metal	30 Dec	CAV1	33	68
1831	Glassware Rim	Glass	30 Dec	CAV1	33	68
1832	Ceramic Stand	Ceramic	30 Dec	CAV1	33	68
1833	Stoneware	Stone	30 Dec	CAV1	33	68
1834	Stoneware	Stone	30 Dec	CAV1	33	68

No.	Description	Material	Date	Square	Locus	Pail
1835	Stoneware	Stone	30 Dec	CAV1	33	68
1836	Stoneware	Stone	30 Dec	CAV1	28	67
1837	Stoneware	Stone	30 Dec	CAV1	19	66
1838	Stoneware	Stone	30 Dec	CAV1	19	66
1839	Stoneware Handle	Stone	30 Dec	CAV1	33	68
1840	Imberix	Ceramic	30 Dec	CAV1	19	63
1841	Worked Stone	Stone	30 Dec	CAV1	28	67
1842	Weight 1	Stone	30 Dec	CAV1	19	66
1843	Weight 3	Stone	30 Dec	CAV1	19	66
1844	Weight 4	Stone	30 Dec	CAV1	19	66
1845	Slotted Pier	Stone	30 Dec	CAV1	19	66
1846	Notched Stone	Stone	30 Dec	CAV1	19	66
1847	Stoneware	Stone	28 Dec	CAV1	19	56
1848	Stoneware	Stone	28 Dec	CAV1	19	56
1849	Stoneware Cup	Stone	-	CAV1	-	-
1850	Stoneware Basin	Stone	-	CAV1	-	-

Kh. el-Maqatir 2014 Objects



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Kh. el-Maqatir 2014 Objects



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Kh. el-Maqatir 2014 Objects



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Kh. el-Maqatir 2014 Objects



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Kh. el-Maqatir 2014 Objects



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Kh. el-Maqatir 2014 Objects



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Kh. el-Maqatir 2014 Objects



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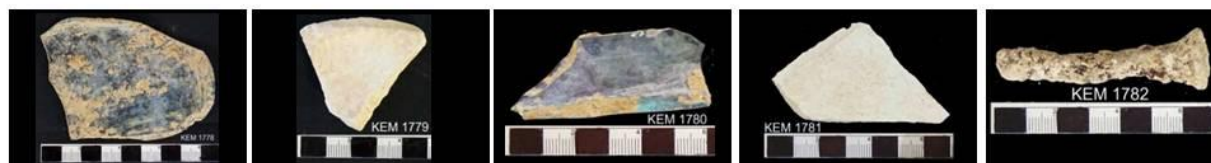
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Kh. el-Maqatir 2014 Objects



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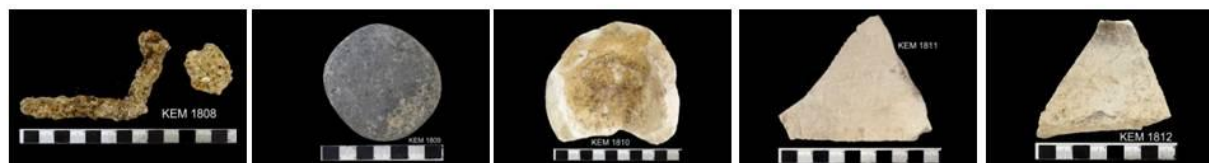
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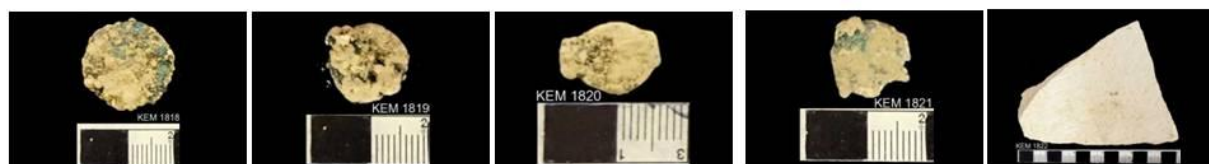
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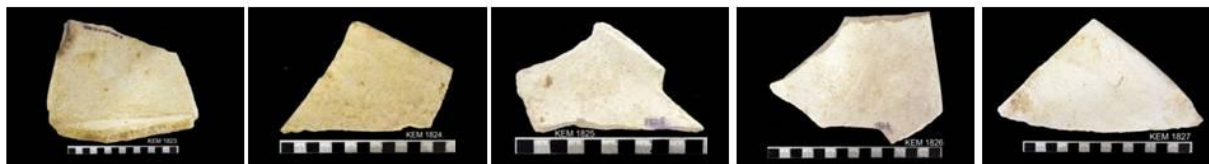
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Kh. el-Maqatir 2014 Objects



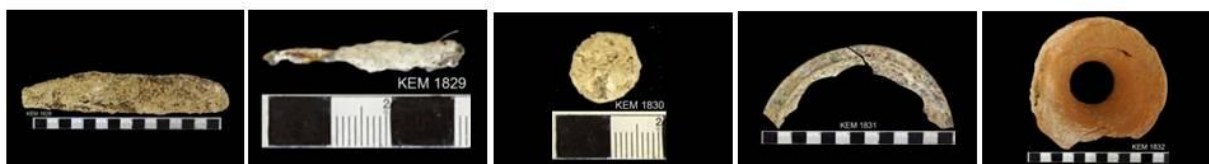
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Khirbet El-Maqtir 2014 Object list:

Left in field:

Object #	Description
1562	Ornamental Carved Stone
1623	Olive Press Stone
1648	Silo Capstone
1650	Olive Press Stone
1710	Stone Object

Coins (not photographed)

Object #	Description
1408	Coin
1435	Coin
1446	Coin
1447	Coin
1448	Coin
1450	Coin
1452	Coin
1454	Coin
1455	Coin
1458	Coin
1471	Coin
1472	Coin
1475	Coin
1490	Coin
1492	Coin
1497	Coin
1511	Coin
1516	Coin

Object #	Description
1526	Coin
1529	Coin
1539	Coin
1543	Coin
1548	Coin
1566	Coin
1567	Coin
1571	Coin
1572	Coin
1591	Coin
1597	Coin
1600	Coin
1602	Coin
1610	Coin
1624	Coin
1651	Coin
1665	Coin
1671	Coin
1678	Coin
1684	Coin
1691	Coin
1692	Coin
1699	Coin
1701	Coin
1705	Coin
1733	Coin
1734	Coin
1735	Coin

Coins and Objects in Processing:

Object #	Description
1236	Coin
1238	Coin
1240	Coin
1242	Coin
1248	Glass Bead
1249	Nail?
1256	Metal Hook/Ring
1258	Metal Fragment
1259	Metal Fragment
1261	Nail
1262	Bronze Fragment
1264	Coin
1265	Coin
1266	Coin
1273	Coin
1283	Metal Tool?
1292	Coin
1293	Coin
1294	Coin
1296	Needle?
1298	Metal Fragment
1299	Coin
1300	Coin
1301	Coin
1302	Coin
1303	Ring
1306	Metal Fragment
1308	Coin

Object #	Description
1309	Coin
1310	Coin
1311	Coin
1322	Coin
1323	Coin
1324	Ring
1325	Coin
1328	Ring
1329	Makeup applicator
1331	Coin
1333	Coin
1334	Coin
1336	Coin
1337	Bronze tack head?
1338	Coin
1339	Coin
1342	Coin
1343	Coin
1345	Coin
1347	Coin
1348	Bead
1349	Coil
1351	Needle
1361	Coin
1368	Coin
1375	Coin
1377	Coin
1378	Coin
1379	Coin

Object #	Description
1380	Coin
1381	Coin
1382	Coin
1383	Coin
1384	Coin
1385	Coin
1386	Coin
1387	Coin
1388	Coin
1389	Coin
1390	Coin
1391	Coin
1392	Coin
1393	Coin
1394	Coin
1409	Coin
1410	Coin
1411	Coin
1412	Weight
1413	Coin
1414	Coin
1416	Coin
1417	Coin
1418	Coin
1419	Coin
1420	Coin
1421	Coin
1422	Coin
1423	Coin

Object #	Description
1424	Coin
1425	Coin
1426	Coin
1427	Coin
1428	Coin
1429	Coin
1433	Coin
1437	Coin
1440	Coin
1457	Coin
1464	Coin
1465	Coin
1467	Coin
1469	Coin
1470	Coin
1473	Coin
1474	Coin
1486	Coin
1487	Coin
1488	Coin
1489	Coin
1491	Coin
1493	Coin
1494	Coin
1495	Coin
1496	Coin
1498	Coin
1499	Coin
1500	Coin

Object #	Description
1501	Coin
1502	Coin
1503	Coin
1505	Jewelry (earring)
1506	Coin
1514	Coin
1515	Coin
1523	Coin
1524	Coin
1525	Coin
1540	Coin
1541	Coin
1546	Coin
1547	Coin
1558	Tweezers
1563	Coin
1564	Tack?
1568	Coin
1570	Coin
1579	Coin
1580	Coin
1581	Coin
1582	Coin
1583	Coin
1592	Coin
1593	Coin
1594	Coin
1595	Coin
1596	Coin

Object #	Description
1598	Coin
1599	Coin
1601	Coin
1603	Coin
1604	Coin
1605	Coin
1606	Coin
1607	Coin
1608	Coin
1609	Coin
1631	Coin
1632	Coin
1645	Coin
1647	Coin
1652	Coin
1653	Coin
1656	Coin
1657	Coin
1660	Coin
1661	Coin
1662	Coin
1663	Coin
1664	Coin
1667	Coin
1668	Coin
1669	Coin
1670	Coin
1676	Coin
1677	Coin

Object #	Description
1679	Coin
1680	Coin
1682	Coin
1683	Coin
1685	Coin
1686	Coin
1687	Coin
1688	Coin
1689	Coin
1693	Coin
1700	Coin
1704	Coin
1708	Coin
1718	Nail
1727	Coin
1764	Piece of a mirror?

APPENDIX 2: NUMISMATIC REPORT

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1237	c. 80 BCE or later	Æ	0.86	Alexander Jannaeus or later successors		Q23	2	2
1239	80/79 BCE	Æ	1.1	Alexander Jannaeus		Q23	1	1
1241	c. 80 BCE or later	Æ	0.43	Alexander Jannaeus or later successors		Q23	1	1
1243	Middle Ages	AR (billon?)	0.47	Sasanian/Islamic	Cut	O21	3	18
1254	c. 80 BCE or later	Æ	0.34	Alexander Jannaeus or later successors		R20	12	30
1267	Mid to late 80's BCE	Æ	2.63	Alexander Jannaeus		O22	2	3
1268	4BCE-6CE	Æ	1.1	Herod Archelaus		O22	2	3
1269	67/8 CE	Æ	2.73	Jewish Revolt - Year two		O22	2	3
1270	40-37 BCE	Æ	1.61	Herod I		O23	21	7
1271	Mid to late 80's BCE	Æ	1.32	Alexander Jannaeus		O23	21	7
1272	129-80 BCE	Æ	2.11	Hasmonean		O23	21	5
1274	129-105 BCE	Æ	2.81	John Hyrcanus I		O23	1	7
1288	c.80 BCE or later	Æ	0.97	Alexander Jannaeus or later successors		P23	3	2
1289	Mid to late 80's BCE	Æ	1.28	Alexander Jannaeus		P23	3	2

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1290	129-80 BCE	Æ	2.26	Hasmonean		P23	3	2
1291	173/2-168 BCE	Æ	2.75	Antiochus IV		P23	3	3
1292	104/3-80/79 BCE	Æ	1.47	Alexander Jannaeus		P23	3	3
1294	c. 80 BCE or later	Æ	1	Alexander Jannaeus or later successors		P23	3	3
1300	Mid to late 80's BCE	Æ	0.95	Alexander Jannaeus		R20	13	32
1301	c. 80 BCE or later	Æ	0.26	Alexander Jannaeus or later successors		R20	13	32
1302	24/5 CE	Æ	2.1	Under Tiberius		O21	3	18
1304	Mid to late 80's BCE	Æ	2	Alexander Jannaeus		O21	15	20
1305	129-80 BCE	Æ	1.54	Hasmonean		Q21	15	20
1310	c. 80 BCE or later	Æ	0.53	Alexander Jannaeus or later successors		Q23	2	3
1311	450-550 CE	Æ	0.26	Late Roman		Q23	2	3
1323	c.80 BCE or later	Æ	1.21	Alexander Jannaeus or later successors		P23	5	7
1331	129-80 BCE	Æ	1.46	Hasmonean		O21	15	21
1333	c.80 BCE or later	Æ	0.71	Alexander Jannaeus or later successors		O21	15	21
1334	129-80 BCE	Æ	1.63	Hasmonean		O21	15	21
1336	80/79 BCE	Æ	1.72	Alexander Jannaeus		P20	17	42

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1338	67/8 CE	Æ	2.66	Jewish Revolt - Year two		P20	18	43
1339	129-80 BCE	Æ	1.56	Hasmonean		P20	18	43
1340	c. 80 BCE or later	Æ	1.04	Alexander Jannaeus or later successors		O23	1	18
1341	c. 80 BCE or later	Æ	1.56	Alexander Jannaeus		Q23	3	4
1344	c. 80 BCE or later	Æ	0.53	Alexander Jannaeus or later successors		Q23	3	4
1346	129-80 BCE	Æ	2.08	Hasmonean		Q23	3	14
1355	after 265/260 BCE	Æ	12.4	Ptolemy II		R20	8	36
1362	40-37 BCE	Æ	1.97	Mattathias Antigonus		P20	20	45
1363	c. 80 BCE or later	Æ	0.38	Alexander Jannaeus or later successors		P20	20	45
1364	c. 80 BCE or later	Æ	0.52	Alexander Jannaeus or later successors		P20	20	45
1365	67/8 CE	Æ	3.36	Jewish Revolt - Year two		P20	18	44
1366	173/2-168 BCE (?)	Æ	1.82	Antiochus IV (?)		P20	18	44
1369	c. 80 BCE or later	Æ	0.94	Alexander Jannaeus or later successors		P23	9	12
1370	Mid to late 80's BCE	Æ	1.79	Alexander Jannaeus		P23	9	13

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1371	204-197 BCE	Æ	0.59	Antiochus III		P23	9	12
1372	24/5 CE	Æ	1.97	Under Tiberius		P23	9	12
1373	c. 80 BCE or later	Æ	0.55	Alexander Jannaeus or later successors		P23	9	12
1374	187-175 BCE	Æ	6.76	Seleucus IV		P23	9	12
1378	c. 80 BCE or later	Æ	0.38	Alexander Jannaeus or later successors		Q23	3	5
1379	c. 80 BCE or later	Æ	0.27	Alexander Jannaeus or later successors		P20	15	45
1384	c. 80 BCE or later	Æ	0.57	Alexander Jannaeus or later successors		P20	18	44
1387	104/3-80/79 BCE	Æ	2.41	Alexander Jannaeus		Q23	3	5
1389	67/8 CE	Æ	2.64	Jewish Revolt - Year two		P20	18	44
1390	204-197 BCE	Æ	1.21	Antiochus III		O22	2	9
1391	10/11 CE	Æ	2.27	Under Augustus		R20	8	36
1392	129-80 BCE	Æ	2.41	Hasmonean		R20	8	36
1393	104/3-80/79 BCE	Æ	2.13	Alexander Jannaeus		R20	8	36
1411	129-105 BCE	Æ	0.9	John Hyrcanus I		Q23	8	11
1413	c. 80 BCE or later	Æ	0.53	Alexander Jannaeus or later successors		P23	8	15

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1414	40-37 BCE	Æ	1.23	Herod I		P23	8	15
1421	Mid to late 80's BCE	Æ	1.79	Alexander Jannaeus		O21	17	26
1423	2nd cent. BCE	Æ	1.33	Seleucid	Half coin	P22	1	1
1424	67/8 CE	Æ	2.45	Jewish Revolt - Year two		O22	2	10
1426	173/2-168 BCE	Æ	1.7	Antiochus IV		O22	2	10
1427	c. 80 BCE or later	Æ	0.9	Alexander Jannaeus or later successors		O22	2	10
1429	162-150 BCE (?)	Æ	1.6	Demetrius I (?)		O22	4	11
1430	c. 80 BCE or later	Æ	1.12	Alexander Jannaeus or later successors		O22	4	11
1431	Mid to late 80's BCE	Æ	1.03	Alexander Jannaeus		O22	4	11
1432	c. 80 BCE or later	Æ	0.17	Alexander Jannaeus or later successors		P20	18	48
1434	41/2 CE	Æ	2.09	Agrippa I		O23	1	10
1436	c. 80 BCE or later	Æ	0.15	Alexander Jannaeus or later successors		Q23	9	13
1438	246-222 BCE	Æ	2.2	Ptolemy III		Q23	9	13
1439	129-105 BCE	Æ	1.68	John Hyrcanus I		Q23	9	13
1443	Mid to late 80's BCE	Æ	1.54	Alexander Jannaeus		P23	8	18

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1449	29/30 CE	Æ	2.5	Under Tiberius		P22	1	2
1451	c. 80 BCE or later	Æ	0.87	Alexander Jannaeus or later successors		P20	1	2
1453	c. 80 BCE or later	Æ	1.04	Alexander Jannaeus or later successors		P22	1	2
1456	c. 80 BCE or later	Æ	0.4	Alexander Jannaeus or later successors		P23	8	18
1459	Mid to late 80's BCE	Æ	1.33	Alexander Jannaeus		O23	1	13
1460	LH/ER ?	Æ plated (?)	0.94	Piece of a mirror (?)		O22	4	12
1462	67/8 CE	Æ	1.86	Jewish Revolt - Year two		O22	4	12
1463	c. 80 BCE or later	Æ	0.72	Alexander Jannaeus		O22	4	12
1466	58/9 CE	Æ	2.27	Under Nero		N/A	0	0
1467	40-37 BCE	Æ	1.23	Herod I		O22	4	12
1469	204-197 BCE	Æ	1.7	Antiochus III		O22	4	14
1473	67/8 CE	Æ	2.88	Jewish Revolt - Year two		O22	4	12
1474	c. 80 BCE or later	Æ	0.73	Alexander Jannaeus or later successors		O22	4	12
1486	30-32 CE	Æ	2.38	Under Tiberius		P23	9	22
1487	68/9 CE	Æ	2.04	Jewish Revolt - Year three		P20	18	51

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1488	c. 80 BCE or later	Æ	1.23	Alexander Jannaeus		P22	1	3
1489	104/3-80/79 BCE	Æ	1.73	Alexander Jannaeus		P20	18	51
1494	129-105 BCE	Æ	2.24	John Hyrcanus I		P22	1	3
1495	41/2 CE	Æ	2.51	Agrippa I		P22	1	3
1498	67/8 CE	Æ	2.42	Jewish Revolt - Year two		P23	13	21
1499	Mid to late 80's BCE	Æ	2.08	Alexander Jannaeus		Q23	9	16
1500	c. 80 BCE or later	Æ	0.93	Alexander Jannaeus or later successors		Q23	9	16
1514	Mid to late 80's BCE	Æ	2.02	Alexander Jannaeus		O23	1	17
1523	c. 80 BCE or later	Æ	0.57	Alexander Jannaeus or later successors		Y22	Surface find	0
1524	Mid to late 80's BCE	Æ	1.25	Alexander Jannaeus		O22	4	12
1525	129-80 BCE	Æ	2.28	Hasmonean		O22	4	12
1527	Mid to late 80's BCE	Æ	1.34	Alexander Jannaeus		O22	4	12
1528	67/8 CE	Æ	2.6	Jewish Revolt - Year two		O22	4	12
1542	c. 80 BCE or later	Æ	0.46	Alexander Jannaeus or later successors		P22	1	4
1544	c. 80 BCE or later	Æ	0.81	Alexander Jannaeus or later successors		P20	18	52

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1545	9-11 CE	Æ	1.46	Under Augustus		P20	18	52
1549	54 CE	Æ	2.2	Under Claudius		P22	1	4
1552	104/3-80/79 BCE	Æ	1.52	Alexander Jannaeus		P23	9	22
1554	104/3-80/79 BCE	Æ	1.81	Alexander Jannaeus		P23	13	21
1555	129-105 BCE	Æ	3.02	John Hyrcanus I		P23	13	24
1556	c. 80 BCE or later	Æ	0.65	Alexander Jannaeus or later successors		P23	8	23
1557	c. 80 BCE or later	Æ	0.51	Alexander Jannaeus or later successors		P23	8	23
1561	104/3-80/79 BCE	Æ	1.51	Alexander Jannaeus		O23	12	18
1565	c. 80 BCE or later	Æ	0.28	Alexander Jannaeus or later successors		O23	12	18
1574	204-197 BCE	Æ	1.77	Antiochus III (?)		CAV4	1	2
1575	1st. cent. BCE	Æ	1.03	Alexander Jannaeus or Herodian		CAV4	1	2
1577	c. 80 BCE or later	Æ	0.97	Alexander Jannaeus or later successors		P23	13	24
1578	67/8 CE	Æ	2.98	Jewish Revolt - Year two		O22	6	16
1579	c. 80 BCE or later	Æ	1.01	Alexander Jannaeus or later successors		O22	6	16

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1580	67/8 CE	Æ	2.56	Jewish Revolt - Year two		O22	6	16
1581	67/8 CE	Æ	2.21	Jewish Revolt - Year two		O22	6	16
1582	67/8 CE	Æ	2.51	Jewish Revolt - Year two		O22	6	16
1583	Mid to late 80's BCE	Æ	1.22	Alexander Jannaeus		O22	6	16
1592	c. 80 BCE or later or 450-550 CE	Æ	0.09	Alexander Jannaeus or later successors or LR		O22	6	16
1593	204-197 BCE	Æ	2.13	Antiochus III		O22	6	16
1594	c. 80 BCE or later	Æ	0.88	Alexander Jannaeus or later successors		O22	6	16
1595	Mid to late 80's BCE	Æ	1.23	Alexander Jannaeus		O22	6	16
1596	132/1-131/130 BCE	Æ	3	Antiochus VII		O22	6	16
1598	104/3-80/79 BCE	Æ	3.05	Alexander Jannaeus		O22	6	16
1601	Mid to late 80's BCE	Æ	1.27	Alexander Jannaeus		O22	6	16
1603	Mid to late 80's BCE	Æ	1.48	Alexander Jannaeus		O22	6	16
1604	40-37 BCE	Æ	1.47	Herod I		O22	6	16
1606	135/4 BCE	AR	6.31	Antiochus VII		O22	6	16
1608	162-150 BCE (?)	Æ	2.07	Demetrius I (?)		O22	6	16

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1609	41/2 CE	Æ	2.53	Agrippa I		O22	6	16
1611	Mid to late 80's BCE	Æ	1.95	Alexander Jannaeus		O22	7	21
1625	58/9 CE	Æ	2.14	Under Nero		O23	2	20
1626	204-197 BCE (?)	Æ	0.98	Antiochus III (?) or 450-550 CE, Obliterated. Date by flan. What is the context?		O23	2	20
1627	1st cent. BCE ?	Æ	0.25	Hasmonean ? Part of Coin? What is the context?		O23	2	20
1628	129-80 BCE	Æ	1.84	Hasmonean		O23	2	20
1629	104/3-80/79 BCE	Æ	1.61	Alexander Jannaeus		O23	2	20
1630	16/7 CE	Æ	1.56	Under Tiberius		CAV4	1	3
1634	Mid to late 80's BCE	Æ	2.05	Alexander Jannaeus		O22	7	18
1637	68/9 CE	Æ	3.22	Jewish Revolt - Year three		O22	7	18
1638	67/8 CE	Æ	2.56	Jewish Revolt - Year two		O22	7	18
1639	204-197 BCE	Æ	3.2	Antiochus III		O22	9	19
1640	67/8 CE	Æ	1.82	Jewish Revolt - Year two		O22	9	19
1641	80/79 BCE	Æ	1.16	Alexander Jannaeus		O22	7	21
1642	Mid to late 80's BCE	Æ	1.44	Alexander Jannaeus		O22	7	18

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1643	c. 80 BCE or later	Æ	0.73	Alexander Jannaeus or later successors		O22	7	18
1644	Mid to late 80's BCE	Æ	1.92	Alexander Jannaeus		O22	7	18
1646	204-197 BCE	Æ	1.75	Antiochus III		O22	7	18
1653	Mid to late 80's BCE	Æ	2.08	Alexander Jannaeus		P22	4	12
1656	c. 80 BCE or later	Æ	0.96	Alexander Jannaeus or later successors		P22	1	6
1657	204-197 BCE	Æ	1.36	Antiochus III		P22	1	6
1662	2nd cent. BCE	Æ	1.06	Seleucid (Antiochus III ?)		P22	4	12
1663	68/9 CE	Æ	2.33	Jewish Revolt - Year three		P22	6	13
1664	Mid to late 80's BCE	Æ	1.73	Alexander Jannaeus		P22	4	12
1667	129-80 BCE	Æ	2	Hasmonean		P22	6	13
1668	c. 80 BCE or later	Æ	0.45	Alexander Jannaeus or later successors		P22	4	12
1669	5/6-10/11 CE	Æ	1.96	Under Augustus		P22	6	13
1670	80/79 BCE	Æ	1.23	Alexander Jannaeus		P22	6	13
1676	Mid to late 80's BCE	Æ	1.7	Alexander Jannaeus		P23	9	30
1677	40-37 BCE	Æ	2.56	Herod I		P23	9	30

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1680	40-37 BCE	Æ	1.73	Herod I		P23	9	30
1682	67/8 CE	Æ	2.76	Jewish Revolt - Year two		P23	9	30
1683	40-37 BCE	Æ	1.77	Herod I		P23	9	30
1685	30-32 CE	Æ	1.89	Under Tiberius		P23	9	30
1686	58/9 CE	Æ	1.77	Under Nero		P23	9	30
1687	40-37 BCE	Æ	1.49	Herod I		P23	9	30
1689	129-80 BCE	Æ	2.44	Hasmonean		P23	13	29
1693	173/2-168 BCE	Æ	2.15	Antiochus IV		P23	9	30
1694	Mid to late 80's BCE	Æ	1.36	Alexander Jannaeus		CAV4	1	4
1695	c. 80 BCE or later	Æ	1.15	Alexander Jannaeus or later successors		Q23	9	16
1696	40-37 BCE	Æ	1.46	Herod I		CAV4	1	4
1697	40-37 BCE	Æ	1.41	Herod I		CAV4	1	4
1698	Mid to late 80's BCE	Æ	1.34	Alexander Jannaeus		CAV4	1	4
1706	c. 80 BCE or later	Æ	0.58	Alexander Jannaeus or later successors (?)		O23	2	21
1707	First half of 5th cent. CE	Æ	0.79	Late Roman		O23	2	21
1728	c. 80 BCE or later	Æ	0.48	Alexander Jannaeus or later successors		O22	4	22
1729	30-32 CE	Æ	1.93	Under Tiberius		O22	4	22
1730	204-197 BCE	Æ	1.55	Antiochus III		O22	4	22

Object No.	Date	Metal	Wt. (gm)	Ruler/under	Notes	Square	Locus	Pail
1731	146/5-126/5 BCE	Æ	1.61	Demetrius II		O22	4	22
1732	104/3-80/79 BCE	Æ	1.58	Alexander Jannaeus		O22	7	21
1736	104-103 BCE	Æ	2.48	Judah Aristobulus		O22	7	21
1737	54 CE	Æ	2.42	Under Claudius		O22	7	21
1738	129-80 BCE	Æ	2.25	Hasmonean		O22	7	21
1739	c. 80 BCE or later	Æ	0.26	Alexander Jannaeus or later successors		O22	7	21
1740	67/8 CE	Æ	2.58	Jewish Revolt - Year two		O22	7	21
1741	58/9 CE	Æ	2.66	Under Nero		O22	7	21
1744	c. 80 BCE or later	Æ	1.05	Alexander Jannaeus or later successors		O23	Surface find	0
1745	112/3 CE	Æ	1.18	Trajan		CAV1	19	27
1752	129-80 BCE	Æ	1.82	Hasmonean		H23	Surface find	0
1792	58/9 CE	Æ	1.44	Under Nero		CAV1	29	53
1818	67/8 CE	Æ	3.09	Jewish Revolt - Year two		CAV1	19	58
1819	129-105 BCE	Æ	1.59	John Hyrcanus I		CAV1	19	63
1820	c. 80 BCE or later	Æ	0.83	Alexander Jannaeus or later successors		CAV1	19	63
1821	30/1 CE	Æ	1.65	Under Tiberius		CAV1	25	64
1830	80/79 BCE or later	Æ	1	Alexander Jannaeus		CAV1	33	68

APPENDIX 3: C14 REPORT

The C14 report from CAV1 is being prepared by Dr. Elisabetta Boaretto from the Weismann Institute. It will be added as a supplement to the 2015 report.