

APPENDIX

POTTERY STATISTICS

by

Erik Hallager

The statistics are divided into two parts. The first part concerns the total amount of excavated material and is based on weights. It gives information on how much pottery was excavated, the amounts of decorated and undecorated pottery and the amounts of rejected and kept pottery. As a basis for calculation, the total amount of excavated sherds has been estimated; from this estimation, it is possible to evaluate the amount of inventoried pottery presented in the publications.

The second part concerns the inventoried pottery, i.e. the sherds and vases which have been considered sufficiently diagnostic and important to be presented in the publication. These are not always representative of the entire amount of excavated sherds, but they tend to represent the diagnostic pottery of each described deposit. These statistics will thus give information on chronology, i.e. the amounts of different periods represented in an excavated deposit, fabrics, imports, sherds exposed to secondary burning or fire and, finally, the number of sherds which have been chemically analysed.

WEIGHED DEPOSITS

Definitions and criteria

Rejected and kept. Every excavated sherd has been handled by an archaeologist and for many years at the beginning also by a technician of the Khania Museum. The following categories of “pottery” were rejected: bits of brick and undecorated, worn sherds, to which were sometimes added body fragments of undecorated, coarse and semi-coarse wares which could not be joined to any other sherds.

Decorated and undecorated. Decorated pottery is defined here as all sherds with paint, incised wares (for example, the MM IA cups) and mottled wares, as well as fragments with relief bands from pithoi.

Calculated amount of sherds. Each excavated deposit was weighed after the sherds had been washed and were completely dry. In one year, 1974, all sherds were also counted. 19,823 sherds weighed 278,303 kg, indicating an average of 0.014 kg per sherd.¹ On the basis of this information, it has thus been possible to indicate an estimated amount of inventoried pottery for each excavated deposit by calculating the

percentage of the actually inventoried sherds, compared with the calculated, total number in the deposit. In connection with this, it should be noted that, compared with the weight, the given percentage should be multiplied by 4, since the average weight of inventoried sherds is 0.054 kg.²

Shapes counted. In connection with the descriptions in the catalogue part, there is often a paragraph headed “Shapes counted”, enumerating certain vase types collected in the deposit. The counting of shapes took place only in the years 1973, 1974, 1976, 1984, 1987 and 2001. The principle adopted was to count the minimum number of certain recognizable shapes in each deposit in order to check this information against the inventoried shapes, and we defined the following criteria, in order to be sure that a vase had been counted only once:

Stirrup jar: false neck
Cup: rim fragment with vertical handle
Footed cup: more or less complete foot
Bowl: rim fragment with horizontal handle
Kylix: stem and bowl
Goblet: stem and bowl
Conical cup: body and more than half the base
Amphora: more than half the rim and part of handle
Krater: rim fragments with handle
Rhyton: lower part
Larnax: rim fragment
Incense burner: greater part of lid/cover
Brazier: body/handle fragment
Flask: body fragment from central disc
Tankard: more than half the rim
Jug: more than half the spout preserved
Lamp: rim fragment with handle
Lid: c. half preserved
Ladle: larger part of handle
Pyxis: more than half the rim
Miniature vase: c. half the vase

¹ Hallager 1977, 108, table 6. A similar analysis was carried out at Phylakopi, where, apart from the extremely small sherds, an average weight of 0.018 kg per sherd was found (cf. Cherry & Davis 1982, 337). We have thus with some confidence used 0.014 kg as the average weight of an excavated sherd.

² Hallager 1977, 108, table 6.

Stand: large base fragments
 Tripod cooking pot: number of legs³
 Tripod storage jar: number of legs⁴
 Pithos: rim fragments with L indicated
 Cooking dish: number of rim fragments (1984, 1987 and 2001)

Whenever possible, the above shapes are subdivided in the catalogues into decorated and undecorated, according to the criteria indicated above.

Concerning the statistics for the total material, we started to weigh pottery only in the middle of the 1973 excavation, which means that *c.* 65% of the total amount has actually been weighed. It therefore often happens that a deposit consists of units weighed and not weighed. In these instances, the calculations of inventoried pottery have been based on the weighed units only, which explains the discrepancies be-

tween the numbers of inventoried sherds in the tables concerning weights and the tables of the inventoried pottery. For example, 29 sherds have been inventoried from "Room E, constructions (walls)", while only 4 of them from 1977 are included in the weighed statistics.

In the tables below, the numbers of each described deposit are given, while the details of percentages are given in the description of the deposits in the catalogue. In the following tables, we have chosen to present each main layer, as well as the different categories of excavated layers, so that differences from the average for the main layer can be studied in each case.

³ Round or oval sectioned legs more than 0.050 high.

⁴ Broad, flat legs less than 0.050 high.

Abbreviations

Rej.: Rejected pottery
 Dec.: Decorated pottery
 Undec.: Undecorated pottery

Total: Total amount of pottery added from Dec. and Undec.
 Kept: Amount of pottery not rejected
 NC: Numbers calculated (i.e. total divided by 0.014)
 NI: Numbers inventoried (from weighed units)
 SC: Shapes counted (only LM pottery)

In the tables below, the first five columns give weight in kg, while the last three columns are numbers, as explained above. The percentages given are those of the total amount, while the figures given under total in the tables with the individual deposit types represent the percentage of the total amount excavated within the relevant period.

LM IIIB:1 deposits

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
BUILDING 1								
Late pit in Room D	2.400	0.600	4.100	4.700	2.300	336	0	0
Layer with stones	49.215	25.245	159.075	184.320	135.105	13.166	229	0
Room A, upper floor	4.500	3.125	23.920	27.045	22.545	1.932	49	0
Room A, lower floor	2.405	2.930	26.180	29.110	26.705	2.079	72	0
Room A, 17-Floor 4	0.540	0.140	2.500	2.640	2.100	189	6	1
Room A, 17-Pit J	0.025	0.000	0.665	0.665	0.640	48	0	0
Room A, 17-Floor 15	1.770	0.045	2.715	2.760	0.990	159	3	0
Room A, deposit	0.150	0.080	0.760	0.840	0.690	60	4	0
Room A, 17-Pit I	2.055	1.250	7.450	8.700	6.645	621	20	0
Room B, floor deposit	1.525	0.595	4.695	5.290	3.765	378	6	0
Room C, between layer with stones and floor	17.115	6.450	38.815	45.265	28.150	3.233	52	0
Room C, floor deposit	17.555	29.847	83.340	113.187	95.632	8.085	192	0
Room C, in upper floor	0.780	0.140	1.805	1.945	1.165	139	7	0
Room C, in lower floor	0.000	0.002	0.055	0.057	0.057	4	0	0
Room C, levelling deposit	6.350	0.575	11.150	11.725	5.375	838	4	0
Room C, bench/walls	0.200	0.070	0.650	0.720	0.520	51	0	0
Room D, between layer with stones and floor	8.060	2.525	18.635	21.160	13.100	1.511	32	0
Room D, floor deposit	11.355	4.635	40.285	44.920	33.565	3.209	60	0
Room D, in the floor	6.475	2.980	20.725	23.705	17.230	1.693	50	0
Room D, the bench	0.335	0.160	1.140	1.300	0.965	93	10	0
Room D, the filled-in door	0.000	0.150	0.800	0.950	0.950	68	1	0
Room D, the walls	0.895	0.170	2.435	2.605	1.710	186	3	0
Corridor/Space I, floor deposit	1.605	2.650	8.515	11.165	9.560	798	17	0

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Corridor/Space I, 13-Pit U	0.300	0.600	4.100	4.700	4.400	336	3	0
Corridor/Space I, 8-Pit T	1.050	1.450	6.800	8.250	7.200	589	5	0
Corridor/Space I, Pit in S corner	0.000	0.275	1.685	1.960	1.960	140	3	0
Pit in central part of Space I. Not weighed								
Corridor/Space I, in and below the floor	4.380	2.250	13.875	16.125	11.745	1.152	23	0
Corridor/Space I, the walls	2.340	1.350	8.695	10.045	7.705	718	11	0
Annex	0.100	0.050	0.750	0.800	0.700	57	0	0
Space G, in upper floor	7.340	2.142	12.970	15.112	7.772	1.079	11	0
Space G, dump below upper floor	16.435	4.890	50.730	55.620	39.185	3.973	49	4
Space G, in 23-Floor 8	2.780	1.197	8.400	9.597	6.817	686	23	2
Space G, in 23-Floor 9/10	3.635	3.035	16.940	19.975	16.340	1.427	49	6
Space G, in 23-Floor 11	12.290	2.555	29.480	32.035	19.745	2.288	58	15
Space G, the walls	8.700	1.435	16.975	18.410	9.710	1.315	3	0
Space H, above floor. Not weighed								
Space H, constructions. Not weighed								
Space H, levelling deposits. Not weighed								
Room E, in upper floor. Not weighed								12
Room E, in lower floor	0.150	0.075	0.670	0.745	0.595	53	1	20
Room E, pits in floor	0.000	0.838	5.820	6.658	6.658	476	7	67
Room E, extension. Not weighed								28
Room E, levelling deposits	1.275	0.025	3.470	3.495	2.220	250	3	24
Room E, the walls	4.945	2.180	14.880	17.060	12.115	1.219	4	79
Room U, in upper floor	0.500	0.600	2.655	4.255	3.755	304	2	5
Room U, in lower floor	1.500	0.500	1.900	2.400	0.900	171	2	0
Room U, possible levelling deposit below floors	2.650	1.550	6.250	7.800	5.150	557	4	0
Room U, the walls	8.100	2.650	16.900	19.550	11.450	1.396	20	0
BUILDING 3								
Building 3, the wall	0.715	1.565	8.215	9.780	9.065	699	16	0
Building 3, related? (18-Pit F)	0.395	0.505	3.610	4.115	3.720	294	9	0
STREET								
Street, in upper layer	4.330	1.890	7.230	9.120	4.790	651	12	0
Street, in middle layer	25.220	10.755	46.180	56.935	31.715	4.067	80	0
Street, in lower layer	1.930	0.955	6.245	7.200	5.270	514	7	0
RUBBISH AREA SOUTHEAST								
20-Pit I	0.415	0.695	3.650	4.345	3.930	310	6	5
20-Pit H	0.000	0.275	0.995	1.270	1.270	91	2	1
20-Pit H2	2.580	3.020	17.000	20.020	17.440	1.430	40	37
20-Pit J	3.305	4.960	24.500	29.460	26.155	2.104	24	38
20-Pit M	11.710	3.295	20.765	24.060	12.350	1.719	23	19
BUILDING 2								
Room A, above upper floor	0.000	0.065	0.355	0.420	0.420	30	1	0
Room A, above lower floor	0.590	0.075	1.225	1.300	0.710	93	8	0
Room B1, covering layer	0.765	0.645	4.880	5.525	4.760	395	9	0
Room B1, 19-Pit O	0.785	0.475	3.835	4.310	3.525	308	9	0
Room B1, floor deposit	0.045	0.045	0.480	0.525	0.480	38	1	0
Room B1, in 19-Floor 11. Weight missing								
Room B1, 19-Pit AC. Weight missing								
Room B1, 19-Floor 10	0.000	0.005	0.000	0.005	0.005	0	2	0
Room B1, fill in western part	0.300	0.310	3.640	3.950	3.650	282	9	0
COURTYARD								
Younger deposits, Deposit 1	0.000	0.025	0.290	0.315	0.315	23	2	0
Younger deposits, Deposit 2	0.445	0.615	2.900	3.515	3.070	251	8	0

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Younger deposits, Deposit 3	0.575	0.550	4.590	5.140	4.565	367	9	0
Younger deposits, Deposit 4	0.065	0.040	0.475	0.515	0.450	37	1	0
Younger deposits, Deposit 5	0.070	0.000	0.215	0.215	0.145	15	0	0
Younger deposits, Deposit 6	0.320	0.800	4.245	5.045	4.725	360	5	5
Courtyard, 19-Pit G	0.395	0.395	3.705	4.100	3.705	293	9	0
Courtyard, 19-Pit M	0.390	1.945	4.315	6.260	5.870	447	12	0
Courtyard, 19-Pit P	3.375	4.225	41.770	45.995	42.620	3.285	97	0
Courtyard, 19-Pit Q	12.115	16.515	134.485	151.000	138.885	10.786	263	0
Courtyard, 19-Wall 8	0.265	0.060	2.315	2.375	2.110	170	5	5
Courtyard, 20-Pit P	0.105	0.062	0.515	0.577	0.472	41	3	0
Courtyard, 19-Pit K2	0.945	0.830	6.590	7.420	6.475	530	14	0
Courtyard, 20-Pit AG	1.325	0.680	7.310	7.990	6.665	571	8	10
Courtyard, Related I	1.900	0.700	2.600	3.300	1.400	236	2	0
Courtyard, Related II	1.700	0.655	3.915	4.570	2.870	326	9	0
Courtyard, Related III	0.000	0.005	0.395	0.400	0.400	29	2	1
Courtyard, Related IV. 19-Wall 10	0.210	0.095	1.285	1.380	1.170	99	3	0
Deposits above latest floors, above SE part	0.395	0.752	6.747	7.499	7.104	536	20	1
Deposits above latest floors, above NW part	1.480	0.340	5.415	5.755	4.275	411	10	0
Deposits above latest floors, above south part	0.245	0.860	4.565	5.425	5.180	388	14	12
Floors 3 rd phase, SE floors	0.255	0.075	0.565	0.640	0.385	46	2	2
Floors 3 rd phase, NW floors	0.745	0.325	3.315	3.640	2.895	260	5	0
Floors 3 rd phase, South floors	1.315	0.580	4.805	5.385	4.070	385	11	12
Floors 3 rd phase, below floors	0.535	0.567	2.940	3.507	2.972	251	9	1
Walls, 3 rd phase	2.900	0.750	6.500	7.250	4.350	517	1	0
Floors 2 nd phase, SE floors	0.490	0.480	2.735	3.215	2.725	230	6	2
Floors 2 nd phase, NW floors	1.890	0.970	8.655	9.625	7.735	688	22	0
Floors 2 nd phase, South floors	2.215	0.845	8.895	9.740	7.525	696	21	16
Walls 2 nd phase, 20-Wall 9	0.950	0.075	2.015	2.090	1.140	149	3	0
Walls 2 nd phase, 19-Wall 11	0.120	0.060	1.200	1.260	1.140	90	3	0
Floors 1 st phase, SE floors	0.560	0.145	1.865	2.010	1.450	144	9	2
Floors 1 st phase, NW floors	4.770	1.820	16.550	18.370	13.600	1.312	20	0
Floors 1 st phase, South floors	4.190	1.450	16.285	17.735	13.545	1.267	31	21
Walls 1 st phase, 19-Wall 9, S part	0.045	0.162	0.585	0.747	0.702	53	4	0
BETWEEN BUILDINGS 1 AND 2								
Upper deposit north of 12-Wall 15	27.500	6.580	29.690	36.270	8.770	2.591	36	11
Lower deposit north of 12-Wall 15	10.350	2.600	36.850	39.450	29.100	2.818	20	0
Lower deposit south of 12-Wall 15	1.950	0.900	3.700	4.600	2.650	329	3	48
Deposits younger than 9-F2. Not weighed								11
11-Pit F2	19.350	7.750	57.400	65.150	45.800	4.653	83	0
12-Pit E	22.000	7.150	39.100	46.250	24.250	3.304	44	0
12-Pit K	6.750	3.450	20.300	23.750	17.000	1.696	14	0
NORTH OF BUILDINGS 1 AND 2								
“Building 4”, floor deposit. Weight missing								2
“Building 4”, in 1/2-Floor 5	0.000	0.000	0.205	0.205	0.205	15	0	0
“Building 4”, above 1/2-Floor 4	0.000	0.010	0.920	0.930	0.930	66	2	0
“Building 4”, in 1/2-Floor 4	0.000	0.005	0.555	0.560	0.560	40	2	2
“Building 4”, levelling deposit	0.000	1.670	7.655	9.325	9.325	666	7	3
Area 1, deposits above the floors	0.950	0.450	3.950	4.400	3.450	314	3	0
Area 1, on the floors	0.250	0.190	1.385	1.575	1.325	113	4	0
Area 1, in the floors	0.480	0.300	2.575	2.875	2.395	205	8	0
Area 1, 2/4-Floor 13	0.000	0.020	0.140	0.160	0.160	11	1	0
Area 1, below the floors	0.300	0.295	3.425	3.720	3.420	266	6	3

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Area 2, upper layer	6.000	1.100	15.650	16.750	10.750	1.196	15	0
Area 2, lower layer. Not weighed								
Area 3, upper layer	0.000	0.060	0.630	0.690	0.690	49	3	3
Area 3, lower layer. Not weighed								
Area 4, Deposit 1. Not weighed								106
Area 4, Deposit 2. Not weighed								36
Area 4, 10-Pit 4. Not weighed								34
Area 4, Deposit 3	0.235	0.395	3.395	3.790	3.555	271	1	6
Area 4, 16-Pit I	0.000	0.005	0.295	0.300	0.300	21	1	0
Total	410.280	214.929	1.380.532	1.596.461	1.186.181	113.999	2.252	718
%		13%			74%		2.0%	

LM IIIA:2 deposits

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
BUILDING 1								
Space A-D								
The upper floor in southern part	0.815	0.045	1.405	1.450	0.635	104	5	1
Floor deposit in western part	1.040	0.545	4.435	4.980	3.940	356	9	2
The lower floor, 17-Floor 10/18	0.260	0.055	1.160	1.215	0.955	88	5	2
The lower floor, 17-Floor 14 and hearth?	0.520	0.035	2.175	2.210	1.690	158	8	0
The lower floor, 17-Floor 6 and 15-Floor 6	0.200	0.110	1.700	2.010	1.810	144	1	5
Levelling deposits								
Below 17-Floor 10/18	0.295	0.147	0.600	0.747	0.452	53	3	0
17-Pit K and deposit north	1.240	0.215	4.725	4.940	3.700	353	4	3
Below 15-Floor 6 and 17-Floor 6	0.280	0.155	2.505	2.660	2.380	190	4	0
Levelling mixed with LM IB	0.385	0.255	0.920	1.175	0.790	84	8	0
Space E								
15-Floor 5	0.950	0.644	8.501	9.145	8.195	653	6	6
7-Floor 4	0.625	0.220	2.150	2.370	1.745	169	3	10
Levelling deposit	6.380	1.402	13.545	14.947	8.567	1.068	39	33
9/7-Pit A	1.400	3.356	36.209	39.565	38.165	2.826	59	129
Space F								
12-Floor 5, west	0.400	0.200	0.600	0.800	0.400	57	3	0
Below 12-Floor 5, west	5.200	1.600	12.900	14.500	9.300	1.036	8	0
Related?	4.750	2.160	10.490	12.650	7.900	904	15	2
Space H								
9-Floor 2. Not weighed								29
Levelling deposit	0.310	0.122	1.378	1.500	1.190	107	7	24
9-Pit. Not weighed								7
Building 1, constructions								
9-Wall 12 and 9-Wall 14. Not weighed								
12-Wall 15+12-Wall 8	4.340	0.700	10.190	10.890	6.550	778	16	8
SOUTH OF BUILDING 1								
13-Pits N/M/Q	3.700	1.450	7.300	8.750	5.050	625	13	0
15-Pit K	0.100	0.325	1.660	1.985	1.885	142	4	0
Deposit 1	6.015	3.790	26.375	30.165	24.150	2.155	43	0
Deposit 2	4.300	2.700	17.150	19.850	15.550	1.418	15	0

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
RUBBISH AREA SOUTHEAST								
13-Pit K	23.735	10.500	51.560	62.060	38.325	4.433	109	0
20-Pit G	0.315	0.100	1.240	1.340	1.025	96	3	1
20-Pit L/AJ	9.970	11.040	75.190	86.230	76.260	6.159	115	157
Deposit A	0.240	0.160	1.860	2.020	1.780	144	6	2
Deposit B	0.250	0.250	1.650	1.900	1.650	136	3	3
20-Pit K/N	17.055	12.510	100.380	112.890	95.835	8.064	108	162
20-Pit Q	1.625	1.500	12.285	13.785	12.160	985	19	21
BUILDING 2. ROOM B1								
Floor deposit? to 19-Floor 9/9a	0.065	0.050	0.410	0.460	0.395	33	0	0
19-Floor 9/9a	0.055	0.028	0.265	0.293	0.238	21	3	0
19-Floor 41	0.000	0.002	0.005	0.007	0.007	1	1	0
Floor packing	0.085	0.025	0.320	0.345	0.260	25	2	0
Foundation pit to 19-wall 5?	0.000	0.005	0.060	0.065	0.065	5	1	0
Pit or <i>vothros</i>	0.060	0.015	0.365	0.380	0.320	27	1	1
COURTYARD								
SE floors	1.070	0.552	4.805	5.357	4.287	383	13	7
NW floors	2.390	0.570	11.935	12.505	10.115	893	24	0
South floors	2.250	0.600	6.695	7.295	5.045	521	14	11
Constructions. Not weighed								
RUBBISH AREA NORTH								
11-Pit G	2.100	2.990	26.730	29.720	27.620	2.123	35	10
Dump	0.000	2.265	12.800	15.065	15.065	1.076	14	26
5-Pit. Not weighed								21
10-Pit 5. Not weighed								10
Deposit A. Not weighed								
Deposit B. Not weighed								
Total	104.770	63.393	476.628	540.221	435.451	38.593	749	693
%		12%			81%		1.9%	

LM IIIB:1 floor deposits

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Room A, upper floor	4.500	3.125	23.920	27.045	22.545	1.932	49	0
Room A, lower floor	2.405	2.930	26.180	29.110	26.705	2.079	72	0
Room B, floor deposit	1.525	0.595	4.695	5.290	3.765	378	6	0
Room C, floor deposit	17.555	29.847	83.340	113.187	95.632	8.085	192	0
Room D, floor deposit	11.355	4.635	40.285	44.920	33.565	3.209	60	0
Corridor/Space I, floor deposit	1.605	2.650	8.515	11.165	9.560	798	17	0
Room G, in upper floor	7.340	2.142	12.970	15.112	7.772	1.079	11	0
Room A, above upper floor	0.000	0.065	0.355	0.420	0.420	30	1	0
Room A, above lower floor	0.590	0.075	1.225	1.300	0.710	93	8	0
Room B1, floor deposit	0.045	0.045	0.480	0.525	0.480	38	1	0
Deposits above latest floors, above SE part	0.395	0.752	6.747	7.499	7.104	536	20	1
Deposits above latest floors, above NW part	1.480	0.340	5.415	5.755	4.275	411	10	0

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Deposits above latest floors, above south part	0.245	0.860	4.565	5.425	5.180	388	14	12
“Building 4”, floor deposit								2
“Building 4”, above 1/2-Floor 4	0.000	0.010	0.920	0.930	0.930	66	2	0
Area 1, on the floors	0.250	0.190	1.385	1.575	1.325	113	4	0
Total	49.290	48.261	220.997	269.258	219.968	19.235	467	15
%		18%		17%	82%		2.4%	

LM IIIA:2 floor deposits

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Floor deposit in western part	1.040	0.545	4.435	4.980	3.940	356	9	2
15-floor 5	0.950	0.644	8.501	9.145	8.195	653	6	6
Floor deposit? to 19-Floor 9/9a	0.065	0.050	0.410	0.460	0.395	33	0	0
Total	2.055	1.239	13.346	14.585	12.530	1.042	15	8
%		8%		3%	86%		1.6%	

LM IIIB:1 pits/dumps

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Late pit in Room D	2.400	0.600	4.100	4.700	2.300	336	0	0
Room A, Pit J	0.025	0.000	0.665	0.665	0.640	48	0	0
Room A, 17-Pit I	2.055	1.250	7.450	8.700	6.645	621	20	0
Space G, dump below upper floor	16.435	4.890	50.730	55.620	39.185	3.973	49	4
Corridor/Space I, 13-Pit U	0.300	0.600	4.100	4.700	4.400	336	3	0
Corridor/Space I, 8-Pit T	1.050	1.450	6.800	8.250	7.200	589	5	0
Pit in S corner of Space I	0.000	0.275	1.685	1.960	1.960	140	3	0
Room E, Pits in floor	0.000	0.838	5.820	6.658	6.658	476	7	67
Building 3 – related? (18-Pit F)	0.395	0.505	3.610	4.115	3.720	294	9	0
Middle layer of street	25.220	10.755	46.180	56.935	31.715	4.067	80	0
20-Pit I	0.415	0.695	3.650	4.345	3.930	310	6	5
20-Pit H	0.000	0.275	0.995	1.270	1.270	91	2	1
20-Pit H2	2.580	3.020	17.000	20.020	17.440	1.430	40	37
20-Pit J	3.305	4.960	24.500	29.460	26.155	2.104	24	38
20-Pit M	11.710	3.295	20.765	24.060	12.350	1.719	23	19
Room B1, 19-Pit O	0.785	0.475	3.835	4.310	3.525	308	9	0
Courtyard, 19-Pit G	0.395	0.395	3.705	4.100	3.705	293	9	0
Courtyard, 19-Pit M	0.390	1.945	4.315	6.260	5.870	447	12	0
Courtyard, 19-Pit P	3.375	4.225	41.770	45.995	42.620	3.285	97	0
Courtyard, 19-Pit Q	12.115	16.515	134.485	151.000	138.885	10.786	263	0
20-Pit P	0.105	0.062	0.515	0.577	0.472	41	3	0
19-Pit K2	0.945	0.830	6.590	7.420	6.475	530	14	0
20-Pit AG	1.325	0.680	7.310	7.990	6.665	571	8	10

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
11-Pit F2	19.350	7.750	57.400	65.150	45.800	4.653	83	0
12-Pit E	22.000	7.150	39.100	46.250	24.250	3.304	44	0
12-Pit K	6.750	3.450	20.300	23.750	17.000	1.696	14	0
10-Pit 4								34
Area 4, 16-Pit I	0.000	0.005	0.295	0.300	0.300	21	1	0
Total	133.425	76.890	517.670	594.560	461.135	42.469	828	215
%		13%		37%	77%		2.0%	

LM IIIA:2 pits/dumps

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
9/7-Pit A	1.400	3.356	36.209	39.565	38.165	2.826	59	129
9-Pit								7
13-Pits N/M/Q	3.700	1.450	7.300	8.750	5.050	625	13	0
15-Pit K	0.100	0.325	1.660	1.985	1.885	142	4	0
13-Pit K	23.735	10.500	51.560	62.060	38.325	4.433	109	0
20-Pit G	0.315	0.100	1.240	1.340	1.025	96	3	1
20-Pit L/AJ	9.970	11.040	75.190	86.230	76.260	6.159	115	157
20-Pit K/N	17.055	12.510	100.380	112.890	95.835	8.064	108	162
20-Pit Q	1.625	1.500	12.285	13.785	12.160	985	19	21
Pit or <i>vothros</i>	0.060	0.015	0.365	0.380	0.320	27	1	1
11-Pit G	2.100	2.990	26.730	29.720	27.620	2.123	35	10
Rubbish Area North, dump	0.000	2.265	12.800	15.065	15.065	1.076	14	26
5-Pit								21
10-Pit 5								10
Total	60.060	46.051	325.719	371.770	311.710	26.556	480	545
%		12%		69%	84%		1.8%	

LM IIIB:1 accumulated/related

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Layer with stones	49.215	25.245	159.075	184.320	135.105	13.166	229	0
Room C, between layer with stones and floor	17.115	6.450	38.815	45.265	28.150	3.233	52	0
Room D, between layer with stones and floor	8.060	2.525	18.635	21.160	13.100	1.511	32	0
Annex	0.100	0.050	0.750	0.800	0.700	57	0	0
Room E, extension								28
Room B1, covering layer	0.765	0.645	4.880	5.525	4.760	395	9	0
Room B1, fill in western part of Room	0.300	0.310	3.640	3.950	3.650	282	9	0
Younger deposits, Deposit 1	0.000	0.025	0.290	0.315	0.315	23	2	0
Younger deposits, Deposit 2	0.445	0.615	2.900	3.515	3.070	251	8	0
Younger deposits, Deposit 3	0.575	0.550	4.590	5.140	4.565	367	9	0
Younger deposits, Deposit 4	0.065	0.040	0.475	0.515	0.450	37	1	0

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Younger deposits, Deposit 5	0.070	0.000	0.215	0.215	0.145	15	0	0
Younger deposits, Deposit 6	0.320	0.800	4.245	5.045	4.725	360	5	5
Courtyard, Related I	1.900	0.700	2.600	3.300	1.400	236	2	0
Courtyard, Related II	1.700	0.655	3.915	4.570	2.870	326	9	0
Courtyard, Related III	0.000	0.005	0.395	0.400	0.400	29	2	1
Courtyard, Related IV	0.210	0.095	1.285	1.380	1.170	99	3	0
Upper deposit N of 12-Wall 15	27.500	6.580	29.690	36.270	8.770	2.591	36	11
Lower deposit N of 12-Wall 15	10.350	2.600	36.850	39.450	29.100	2.818	20	0
Lower deposit S of 12-Wall 15	1.950	0.900	3.700	4.600	2.650	329	3	48
Deposits younger than 9-Floor 2								11
Area 1, deposits above floors	0.950	0.450	3.950	4.400	3.450	314	3	0
Area 2, upper layer	6.000	1.100	15.650	16.750	10.750	1.196	15	0
Area 3, upper layer	0.000	0.060	0.630	0.690	0.690	49	3	3
Area 4, Deposit 1								106
Area 4, Deposit 2								36
Area 4, Deposit 3	0.235	0.395	3.395	3.790	3.555	271	1	6
Total	127.825	50.795	340.570	391.365	263.540	27.955	453	255
%		13%		25%	67%		1.6%	

LM IIIA:2 accumulated

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Space F, related?	4.750	2.160	10.490	12.650	7900	904	15	2
Deposit 1	6.015	3.790	26.375	30.165	24.150	2.155	43	0
Deposit 2	4.300	2.700	17.150	19.850	15.550	1.418	15	0
Deposit A	0.240	0.160	1.860	2.020	1.780	144	6	2
Deposit B	0.250	0.250	1.650	1.900	1.650	136	3	3
Total	15.555	9.060	57.525	66.585	51.030	4.757	82	7
%		14%		12%	77%		1.7%	

LM IIIB:1 constructions

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Room A, 17-Floor 4	0.540	0.140	2.500	2.640	2.100	189	6	1
Room A, 17-Floor 15	1.770	0.045	2.715	2.760	0.990	159	3	0
Room A, deposit	0.150	0.080	0.760	0.840	0.690	60	4	0
Room C, in upper floor	0.780	0.140	1.805	1.945	1.165	139	7	0
Room C, in lower floor	0.000	0.002	0.055	0.057	0.057	4	0	0
Room C, bench/walls	0.200	0.070	0.650	0.720	0.520	51	0	0
Room D, in the floor	6.475	2.980	20.725	23.705	17.230	1.693	50	0
Room D, the bench	0.335	0.160	1.140	1.300	0.965	93	10	0
Room D, the filled in door	0.000	0.150	0.800	0.950	0.950	68	1	0
Room D, the walls	0.895	0.170	2.435	2.605	1.710	186	3	0
Corridor/Space I, in and below the floor	4.380	2.250	13.875	16.125	11.745	1.152	23	0

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Corridor/Space I, the walls	2.340	1.350	8.695	10.045	7.705	718	11	0
Space G, in 23-Floor 8	2.780	1.197	8.400	9.597	6.817	686	23	2
Space G, in 23-Floor 9/10	3.635	3.035	16.940	19.975	16.340	1.427	49	6
Space G, in 23-Floor 11	12.290	2.555	29.480	32.035	19.745	2.288	58	15
Space G, the walls	8.700	1.435	16.975	18.410	9.710	1.315	3	0
Room E, in upper floor								12
Room E, in lower floor	0.150	0.075	0.670	0.745	0.595	53	1	20
Room E, the walls	4.945	2.180	14.880	17.060	12.115	1.219	4	79
Room U, in upper floors	0.500	0.600	2.655	4.255	3.755	304	2	5
Room U, in lower floor	1.500	0.500	1.900	2.400	0.900	171	2	0
Room U, the walls	8.100	2.650	16.900	19.550	11.450	1.396	20	0
Building 3, the wall	0.715	1.565	8.215	9.780	9.065	699	16	0
Street, in upper layer	4.330	1.890	7.230	9.120	4.790	651	12	0
Street, in lower layer	1.930	0.955	6.245	7.200	5.270	514	7	0
Room B1, 19-floor 10	0.000	0.005	0.000	0.005	0.005	0	2	0
Courtyard, 19-Wall 8	0.265	0.060	2.315	2.375	2.110	170	5	5
Floors, 3 rd phase, SE floors	0.255	0.075	0.565	0.640	0.385	46	2	2
Floors, 3 rd phase, NW floors	0.745	0.325	3.315	3.640	2.895	260	5	0
Floors, 3 rd phase, South floors	1.315	0.580	4.805	5.385	4.070	385	11	12
Floors, 3 rd phase, below the floors	0.535	0.567	2.940	3.507	2.972	251	9	1
Walls, 3 rd phase	2.900	0.750	6.500	7.250	4.350	517	1	0
Floors, 2 nd phase, SE floors	0.490	0.480	2.735	3.215	2.725	230	6	2
Floors, 2 nd phase, NW floors	1.890	0.970	8.655	9.625	7.735	688	22	0
Floors, 2 nd phase, South floors	2.215	0.845	8.895	9.740	7.525	696	21	16
Walls, 2 nd Phase, 20-Wall 9	0.950	0.075	2.015	2.090	1.140	149	3	0
Walls, 2 nd Phase, 19-Wall 11	0.120	0.060	1.200	1.260	1.140	90	3	0
Floors, 1 st phase, SE floors	0.560	0.145	1.865	2.010	1.450	144	9	2
Floors, 1 st phase, NW floors	4.770	1.820	16.550	18.370	13.600	1.312	20	0
Floors, 1 st phase, South floors	4.190	1.450	16.285	17.735	13.545	1.267	31	21
Walls, 1 st Phase, 19-Wall 9, South part	0.045	0.162	0.585	0.747	0.702	53	4	0
“Building 4”, in 1/2-Floor 5	0.000	0.000	0.205	0.205	0.205	15	0	0
“Building 4”, in 1/2-Floor 4	0.000	0.005	0.555	0.560	0.560	40	2	2
Area 1, in the floors	0.480	0.300	2.575	2.875	2.395	205	8	0
Area 1, 2/4-Floor 13	0.000	0.020	0.140	0.160	0.160	11	1	0
Total	89.165	34.868	269.345	305.213	216.048	21.764	480	203
%		11%		19%	71%		2.2%	

LM IIIA:2 constructions

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
The upper floor in southern part	0.815	0.045	1.405	1.450	0.635	104	5	1
17-Floor 10/18	0.260	0.055	1.160	1.215	0.955	87	5	2
17-Floor 14 and hearth?	0.520	0.035	2.175	2.210	1.690	158	8	0
17-Floor 6 and 15-Floor 6	0.200	0.110	1.700	2.010	1.810	144	1	5
7-Floor 4	0.625	0.220	2.150	2.370	1.745	169	3	10
9-Floor 2								29
12-Wall 15+12-Wall 8	4.340	0.700	10.190	10.890	6.550	778	16	8
12-Floor 5, west	0.400	0.200	0.600	0.800	0.400	57	3	0
Below 12-Floor 5, west	5.200	1.600	12.900	14.500	9.300	1.036	8	0
19-floor 9/9a	0.055	0.028	0.265	0.293	0.238	21	3	0
19-floor 41	0.000	0.002	0.005	0.007	0.007	1	1	0

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Floor packing	0.085	0.025	0.320	0.345	0.260	25	2	0
Foundation pit to 19-wall 5?	0.000	0.005	0.060	0.065	0.065	5	1	0
SE floors	1.070	0.552	4.805	5.357	4.287	383	13	7
NW floors	2.390	0.570	11.935	12.505	10.115	893	24	0
South floors	2.250	0.600	6.695	7.295	5.045	521	14	11
Constructions. Not weighed								
Total	18.210	4.747	56.365	61.312	43.102	4.383	107	72
%		8%		11%	70%		2.4%	

LM IIIB:1 levelling

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Room C, levelling deposit	6.350	0.575	11.150	11.725	5.375	838	4	0
Room E, levelling deposit	1.275	0.025	3.470	3.495	2.220	250	3	24
Room U, possible levelling deposit below floors	2.650	1.550	6.250	7.800	5.150	557	4	0
“Building 4”, levelling deposit	0.000	1.670	7.655	9.325	9.325	666	7	3
Area 1, below the floors	0.300	0.295	3.425	3.720	3.420	266	6	3
Total	10.575	4.115	31.950	36.065	25.490	2.577	24	30
%		11%		2%	71%		0.9%	

LM IIIA:2 levelling

	Rej.	Dec.	Undec.	Total	Kept	NC	NI	SC
Below 17-Floor 10/18	0.295	0.147	0.600	0.747	0.452	53	3	0
PIT K and deposit north	1.240	0.215	4.725	4.940	3.700	353	4	3
Below 15-Floor 6 and 17-Floor 6	0.280	0.155	2.505	2.660	2.380	190	4	0
Levelling mixed with LM IB	0.385	0.255	0.920	1.175	0.790	84	8	0
Levelling deposit	6.380	1.402	13.545	14.947	8.567	1.068	39	33
Levelling deposit	0.310	0.122	1.378	1.500	1.190	107	7	24
Total	8.890	2.296	23.673	25.969	17.079	1.855	65	60
%		9%		5%	66%		3.5%	

TOTAL LM IIIB:1	410.280	214.929	1.380.532	1.596.461	1.186.181	113.999	2.252	718
%		13%	87%		74%		2.0%	
TOTAL LM IIIA:2	104.770	63.393	476.628	540.221	435.451	38.593	749	693
%		12%	88%		81%		1.9%	
GRAND TOTAL	515.050	278.322	1.857.160	2.136.682	1.621.632	152.592	3.001	1.408
%		13%			76%		2.0%	

Comments

Altogether, *c.* 1.596 tons of pottery were weighed from the LM IIIB:1 levels and 540 kg from the LM IIIA:2 levels. These amounts are supposed to constitute *c.* 65% of the total material, which means that altogether the Late Minoan IIIB:1 levels would have produced a little less than 2.5 tons of pottery sherds and the LM IIIA:2 levels *c.* 830 kg. Of the weighed pottery found in the LM III layers so far published, big discrepancies are discernable (*Table 1*). What one notices first are the floor deposits. This, however, is easily explained. From the LM IIIC and the LM IIIB:1 periods heavy undisturbed deposits were discovered above many floors of the periods. In the LM IIIB:2 period the only two rooms that contained a substantial floor deposit, Rooms A and E, were excavated during the period 1970 to early 1973 where the pottery was not weighed, and from the LM IIIA:2 period no undisturbed floor deposit was actually found, due to the LM IIIB:1 building activities (*cf.* above p. 199). Then, on the other hand, where the floor deposits are missing, the stratigraphic value of the pottery discovered was compensated for by large pits and dumps where the material for both LM IIIB:2 and LM IIIA:2 periods constitutes more than 2/3 of the weighed pottery.

The average percentages of decorated pottery in the LM IIIC to LM IIIA:2 deposits are fairly consistent in that they only vary from 14% to 12% and this should be considered a valuable statistic for the pottery of the settlement (*Table 2*). There are, however, some significant differences to the average when we consider types of deposits and chronological horizons. When compared to the average for a given period there is less decorated pottery to be found in constructions and especially levelling deposits. The content in the accumulated/related deposits are fairly close to the average, while individual divergences are noted both in pit/dumps and floor deposits. In the last category the low percentage in the LM IIIA:2 levels is understandable, since no real floor deposits were found and weighed pottery from these deposits constitutes only 3% which, anyhow, is too small an amount to be of any statistical value. The high percentage of decorated pottery from the floor deposits in the LM IIIB:1 period differs from that in LM IIIA:2 levels, where the high percentage is due to the finds in Room C where as much as 26% of the total amount was decorated. (*cf.* above p. 54).

When we consider the amount of pottery which was kept from the different deposits there are no definitive, clear tendencies (*Table 3*). It will, however, be noted, that in pits/dumps and LM IIIB floor deposits the kept pottery is above average. This is to be expected since the contents of such deposits would contain relatively freshly broken pots, while in the constructions and to a certain extent also in levelling deposits one would expect more worn and older pottery. This is also reflected in the kept amounts which are, with the exception of the LM IIIB:2 deposits, well below the average.

When we turn to the inventoried pottery we find 2.0% from the LM IIIB:1 layers and 1.9% from the LM IIIA:2 layers, both somewhat higher than we find in LM IIIC and LM IIIB:2 (*Table 4*). Disregarding the statistically useless LM IIIA:2 floor deposit, represented only by three small units, we see, not surprisingly, that there is a high percentage of inventoried pottery

Table 1. Distribution in percentage of the excavated deposits in LM IIIC-LM IIIA:2.

	LM IIIC	LM IIIB:2	LM IIIB:1	LM IIIA:2
Floor deposits	18%	2%	17%	3%
Pits/dumps	33%	72%	37%	69%
Accumulated	21%	17%	25%	12%
Constructions	15%	8%	19%	11%
Levelling	13%	0.3%	2%	5%

Table 2. Distribution in percentage of the decorated pottery in the five deposits types in LM IIIC-LM IIIA:2.

	LM IIIC	LM IIIB:2	LM IIIB:1	LM IIIA:2
Floor deposits	12%	14%	18%	8%
Pits/dumps	18%	14%	13%	12%
Accumulated	14%	13%	13%	14%
Constructions	13%	10%	11%	8%
Levelling	8%	9%	11%	9%
Average	14%	13%	13%	12%

Table 3. Distribution in percentage of the kept pottery in the five deposits types in LM IIIC-LM IIIA:2.

	LM IIIC	LM IIIB:2	LM IIIB:1	LM IIIA:2
Floor deposits	70%	87%	82%	86%
Pits/dumps	83%	76%	77%	84%
Accumulated	56%	64%	67%	77%
Constructions	64%	75%	71%	70%
Levelling	61%	81%	71%	66%
Average	70%	74%	74%	81%

Table 4. Distribution in percentage of the inventoried pottery in the five deposits types in LM IIIC-LM IIIA:2.

	LM IIIC	LM IIIB:2	LM IIIB:1	LM IIIA:2
Floor deposits	1.9%	3.1%	2.4%	1.6%
Pits/dumps	2.1%	1.9%	2.0%	1.8%
Accumulated	1.0%	1.1%	1.6%	1.7%
Constructions	1.8%	1.9%	2.2%	2.4%
Levelling	1.1%	1.1%	0.9%	3.5%
Average	1.5%	1.7%	2.0%	1.9%

Table 5. Counted and inventoried shapes from the same deposits in LM IIIB:1 and LM IIIA:2.

	Counted	LM IIIB:1 Inventoried		Counted	LM IIIA:2 Inventoried
Bowl	9	35	Bowl	15	3
Cup	14	86	Cup	26	131
Krater	4	8	Krater	1	8
Stirrup jar	12	25	Stirrup jar	6	14
Tankard	0	5	Tankard	0	1
Footed cup	94	16	Footed cup	90	13
Conical cup	321	4	Conical cup	318	6
Kylix	52	45	Kylix	60	26
Goblet	62	18	Goblet	53	22
Tripod cooking pot	71	5	Tripod cooking pot	61	3
Tripod storage jar	48	2	Tripod storage jar	20	0

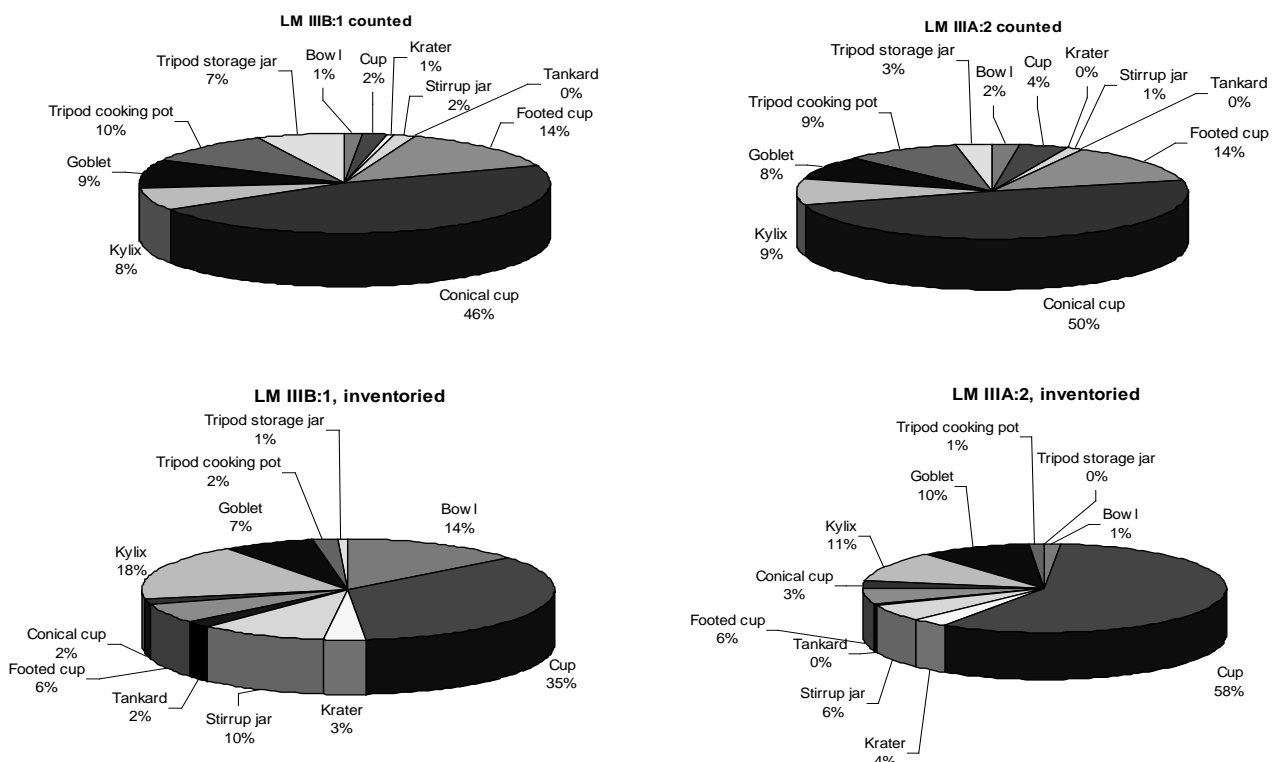


Fig. 100. Diagrams of the most commonly counted and inventoried shapes from the same deposits in LM IIIB:1 and LM IIIA:2.

from the floor deposits. With the exception of the LM IIIC period pits/dumps are close to the average, while the accumulated/related deposits are well below average in all periods. This is probably due to the fact that these deposits are often of less stratigraphic value than the remaining deposits. At first hand it may be surprising that the percentage of inventoried sherds from constructions, which are with less decorated pottery and less kept pottery, are somewhat higher than the average. This can probably be explained by the fact that sherds found in the constructions are important for dating purposes.

From many deposits we have counted shapes, and these may illuminate some of the patterns of differences between inventoried and counted shapes. Considering the very strict

criteria for counting shapes it is not surprising that in many cases the inventoried shapes outnumber the counted shapes. This is, for example, the case with common shapes like cups, bowls, stirrup jars (both large and small) and tankards (*Table 5*). With most of the less common shapes the numbers are usually too small to be of statistical value, although the pattern is that the numbers in the two categories are close. The interesting information lies in the shapes which are more frequent as counted shapes rather than inventoried shapes and here six shapes – the footed cup, the conical cup, the kylix, the goblet, the tripod cooking pot and the tripod storage jar – immediately catch the eye (*Fig. 100* and *Table 5*). These figures clearly indicate (with the exception of the kylix in LM IIIB:1)

that these six shapes are much more frequent in the LM IIIB:1 and LM IIIA:2 deposits than the inventoried pottery may lead us to think,⁵ cf. *Fig. 103*.⁶ In the same way it is obvious that, for example, bowls and cups are less frequent than the inventoried pottery may lead us to think. To illustrate this we have in *Fig. 100* given the distribution of the above 11 shapes for counted shapes and inventoried shapes from the same deposits. According to counted shapes, for example, cups constitute 2% in LM IIIB:1 and footed cups 14%, while among the inventoried shapes they constitute 35% and 6% respectively. For the same shapes in LM IIIA:2 the counted cups are 4% and the footed cups 14%, while among the inventoried shapes they constitute 58% and 6% respectively. Neither way of presenting the material, however, reflects the true composition of any deposit, but it does help one to get a more balanced view on the real composition of any deposit, and it does help one to understand which shapes are important, when the development of the pottery styles is studied. One more point which this example may perhaps illustrate concerns the conical cups. Among the counted shapes we found as many as 46% and 50% in the LM IIIB:1 and LM IIIA:2 layers (the majority of which come from good contexts). Thus, it would be hard to escape the conclusion that the conical cups were in much more common use than generally thought (see also above p. 348).

THE INVENTORIED POTTERY

Dates and deposits

Considering that the diagnostic, inventoried pottery is, in the chronological sense, representative of a deposit it is interesting to learn to what extent the date of the pottery coincides with the date of the deposit. In connection with this, of course, the complete or restorable vases found on the floors are of the utmost importance. No such deposits were found in the LM IIIA:2 settlement. Two were recognized in the LM IIIB:1 settlement in Room A with some more or less complete vases and Room C contained ten restored and nine vases with full profile and substantial parts of storage stirrup jars and jugs. All these vases are clearly dated LM IIIB:1 even though a few of the shapes do also appear in LM IIIA:2. In connection with this a test was made to investigate the difference in date of pottery belonging to a floor deposit and to that of debris from a collapsed building. In this respect the area of rooms A-D is excellent, in that it is undisturbed with good floor deposits with a heavy collapsed debris above. In *Table 6* the first column contains the total number of complete vases and sherds inventoried and dated LM IIIB:1 or LM IIIA:2/B:1. In the second column "earlier" those that are LM IIIA:2 and earlier are counted (i.e. also including sherds which join earlier levels); what is not included in those numbers are the pithos fragments. The numbers show a clear difference in the two types of deposits in that the layer with stones (i.e. the fallen debris) contained 19.1% earlier pottery while the floor deposits contained only 10.4%.⁷ This is not very surprising, in that we know

Table 6. Distribution of pottery earlier than the date of the deposits in which they were found.

	Total	Earlier	%	Weight
Layer with stones	126	32	25.4%	184.320
Between	62	4	6.5%	66.425
Stone layers all	188	36	19.1%	250.745
Room A, Floor 1	20	3	15.0%	27.045
Room A, Floor 4	55	3	5.5%	29.110
Room B	3	1	33.3%	5.290
Room C	113	6	5.3%	113.187
Room D	31	10	32.3%	44.920
Floor deposits all	222	23	10.4%	219.552

from excavations of walls that the mortar often contained big amounts of pottery which would date to a period prior to the construction of the walls. In a debris with collapsed walls one would thus expect to find a higher percentage of earlier pottery than in the floor deposits.

In the following we shall investigate this phenomenon for all deposits. In *Tables 7* and *8* the inventoried pottery has been listed according to date and deposit type. The pithoi could not be dated into the precise chronological scheme and are given separately in *Tables 7a* and *8a* while they have been omitted in the simplified *Tables 7b* and *8b* as are the few Kytheran and Cycladic imports only dated "LM III". The simplified tables have been presented graphically with percentages in *Fig. 101*. As mentioned above, the floor deposits from LM IIIA:2 are so small that they cannot be used statistically, while it is noticeable that from the entire LM IIIB:1 period the floor deposits are those containing the smallest amount of earlier pottery: 13%. This is a little higher than the amount noted above in connection with Rooms A-D, but it is more than double of what we noted in the LM IIIB:2 period.⁸ This is probably due to the fact that we found better, closed floor deposits in that period. In the LM IIIB:1 and LM IIIA:2 the amount of earlier pottery in pits is fairly equal (15% and 17% respectively).

⁵ The reason is obvious. There is no point in cataloguing amounts of identical conical cups, footed cups etc. Large amounts and/or unchanged shapes do not provide a stimulus for the study of the pottery.

⁶ If we compare counted shapes to the entire body of inventoried shapes the point becomes even clearer. Thus, for example, the large stirrup jar where 94 were counted in LM IIIB:1 and 90 in LM IIIA:2 while 67 and 23 respectively were inventoried of the entire material. The same pattern holds true for the footed cup and the kylix in LM IIIA:2, the goblet in LM IIIB:1 and – to the extreme – the tripod cooking pot and the tripod storage jar in both periods.

⁷ The percentages represented by Rooms A and C are probably much closer to reality, since one would not expect a real floor deposit in Room B which is represented only by a small corner with two doors, i.e. this part of the room was meant for passage; concerning Room D there are indications that it might have been emptied for its content before the building collapsed (cf. above p. 68).

⁸ 5.3%, cf. *GSE* III, 297.

Table 7a. Distribution of pottery from the LM IIIB:1 deposits according to chronology and deposit types.

	Pits	Accumulated	Floors	Constructions	Levelling	Total
Pithos	22	62	33	25	2	144
EM	0	12	1	0	1	14
MM	10	51	4	8	6	79
MM/LM IA	0	0	2	2	0	4
LM I	29	41	9	45	10	134
LM II	1	1	3	2	0	7
LM II/IIIA:1	3	0	0	3	0	6
LM III	6	5	1	5	0	17
LM IIIA:1	22	23	2	31	3	81
LM IIIA:1/2	2	16	2	12	0	32
LM IIIA:2	47	52	19	85	10	213
LM IIIA/B:1	8	6	2	4	0	20
LM IIIA:2/B:1	248	209	78	220	15	770
LM IIIB:1	394	250	208	110	5	967
	792	728	364	552	52	2488

Table 7b. Simplified distribution of pottery from the LM IIIB:1 deposits according to chronology and deposit types.

	Pits	Accumulated	Floors	Constructions	Levelling	Total
EM/LM I	39	104	16	55	17	231
LM II-LM IIIA	75	92	26	133	13	339
LM IIIA/B	256	215	80	224	15	790
LM IIIB:1	394	250	208	110	5	967
	764	661	330	522	50	2327

Table 8a. Distribution of pottery from the LM IIIA:2 deposits according to chronology and deposit types.

	Pits	Accumulated	Floors	Constructions	Levelling	Total
Pithos	12	4	0	7	2	25
EM	2	2	0	2	1	7
MM	14	1	3	4	8	30
MM/LM IA	0	0	0	0	0	0
LM I	40	12	0	17	16	85
LM II	2	2	0	0	0	4
LM II/IIIA:1	0	0	0	3	0	3
LM III	1	1	0	0	0	2
LM IIIA:1	35	11	1	3	6	56
LM IIIA:1/2	280	49	5	44	18	396
LM IIIA:2	187	21	6	34	21	269
	573	103	15	114	72	877

Table 8b. Simplified distribution of pottery from the LM IIIA:2 deposits according to chronology and deposit types.

	Pits	Accumulated	Floors	Constructions	Levelling	Total
EM/LM I	56	15	3	23	25	122
LM II-III A:1	37	13	1	6	6	63
LM IIIA:1/2	280	49	5	44	18	396
LM IIIA:2	187	21	6	34	21	269
	560	98	15	107	70	850

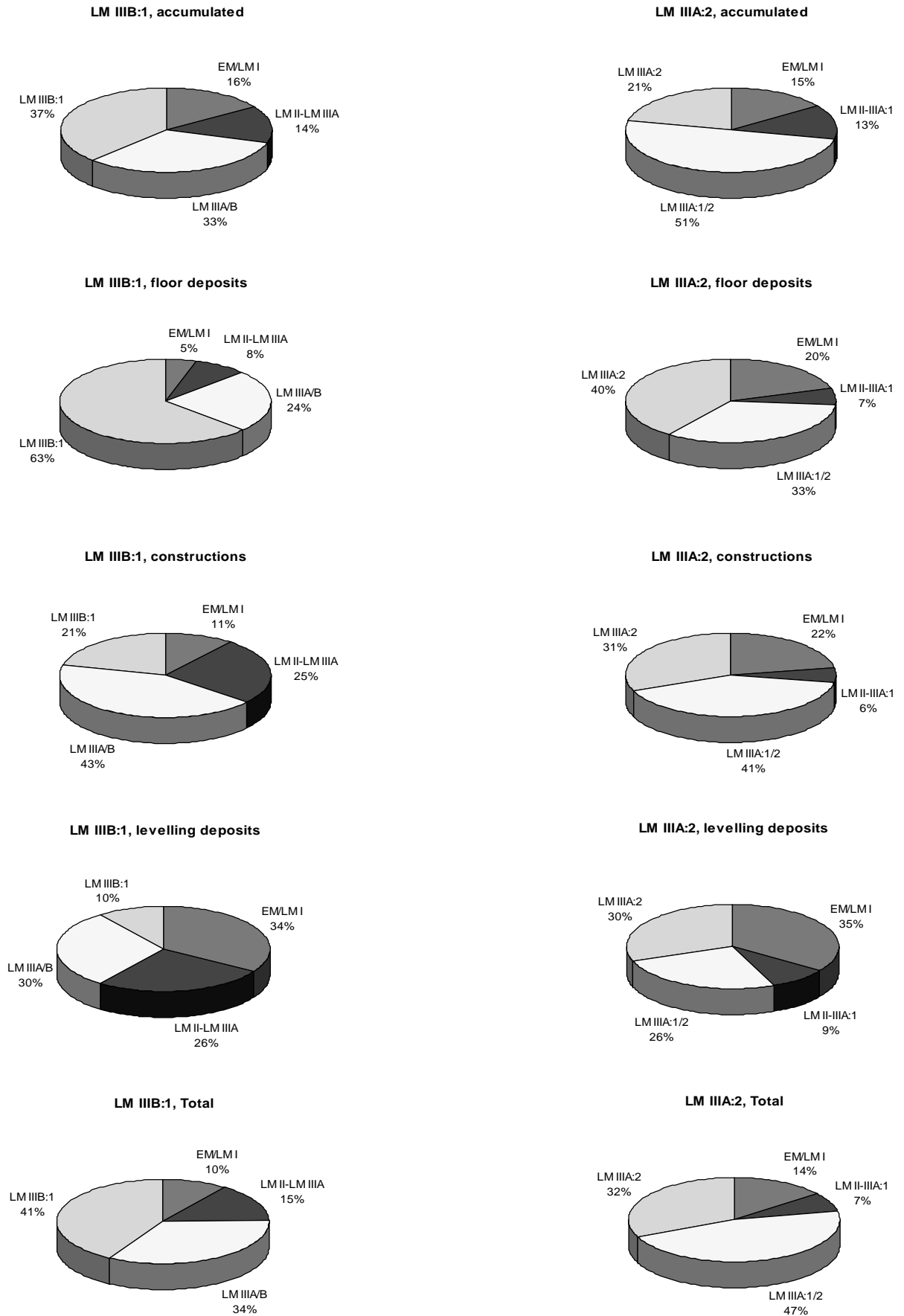


Fig. 101. Diagrams showing the percentages of inventoried pottery in the different LM IIB:1 (left column) and LM IIIA:2 (right column) deposits.

Table 9a. Distribution of burnt pottery in LM IIIB:1 strata.

	burnt	mis.	cook.	Total
LM IIIB:1	115	15	5	130
LM IIIA:2/B:1	137	6	59	143
LM IIIA:2	8	0	0	8
LM IIIA:1/2	1	1	0	2
LM IIIA:1	3	0	0	3
LM III	2	0	0	2
LM II	0	0	0	0
LM I	0	0	0	0
Pithos (dated LM III)	43	0	0	43
Total	309	22	64	331

Table 9b. Distribution of burnt pottery in LM IIIA:2 strata.

	burnt	mis.	cook.	Total
LM IIIA:2	34	4	0	38
LM IIIA:1/2	70	1	25	71
LM IIIA:1	2	0	1	2
LM III	0	0	0	0
LM II	0	0	0	0
LM I	0	0	0	0
Pithos (dated LM III)	2	0	0	2
Total	108	5	26	113

This is roughly the same as in the LM IIIB:2 period and in all probability means the same: that pits and dumps indeed contain contemporary waste from the settlement.⁹ In the accumulated deposits the amount of earlier pottery constitutes approximately 1/3 of the material. Also this is the same as we saw in the LM IIIB:2 period and it shows that these deposits do not have the same stratigraphic value as the floor deposits and pits. When we move to the constructions and levelling deposits we would have expected a very high percentage of earlier pottery. When as much as 21% of pottery dated purely LM IIIB:1 was found in the LM IIIB:1 constructions this was viewed in relation to the fact that most rooms and all outside areas had several floor levels, and that pottery of the period would be expected in these floor constructions. However, when we find 10% of pure LM IIIB:1 pottery in the levelling deposits which would be the first step in any construction it reveals that the pottery of the LM IIIB:1 date had already started when Building 1 was constructed and it thus seems safe to conclude that Building 1 was constructed early in LM IIIB:1. When we consider the same two deposits in the LM IIIA:2 period we note that approximately 1/3 of the pottery in both constructions and levelling deposits belongs to the LM IIIA:2 period. It clearly shows that the LM IIIA:2 Building 1 was only constructed well on in the period.

Burnt pottery

When marks of fire were noted on a vase or sherd, it was noted whether these were caused by misfiring in a kiln (mis.), whether these marks were found on cooking pots, lamps or other vases where fire could naturally be expected (cook.) or whether they were just burnt on other types of pottery (burnt)¹⁰ (Table 9a-b). From the LM IIIB:1 layers 295 sherds were noted (252 dated LM IIIB:1 and LM IIIA:2/B:1 plus 43 pithoi) from which should be subtracted 64 cooking vessels. This means that 231 sherds or 13% of all sherds dated LM IIIB:1 and LM IIIA:2/B:1 were exposed to accidental fire. In the LM IIIA:2 deposits 106 sherds were noted (104 dated LM IIIA:2 and LM IIIA:1/2 plus 2 pithoi) with marks of fire from which should be subtracted 25 cooking vessels. This means that 81 sherds or 12% of all sherds dated LM IIIA:2 and LM IIIA:1/2 were exposed to accidental fire. Fire was noted in connection with the destruction of the LM IIIB:1 building and it is therefore not surprising to find a fair amount of burnt sherds in these layers. More surprising is the relatively high percentage noted in the LM IIIA:2 deposits where – with the exception of Space H – we did not find traces of fire in connection with the destruction of the buildings. Concerning the individual shapes with traces of fire in the LM IIIB:1 layers we noted that 30% of the LM III pithoi and 28% of the storage jars bore traces of fire. Whether this means that fire caught more severely in a storage area with pithoi remains uncertain, since no such room has yet been discovered. The only other shape with traces of fire far above average was the footed cup with 28%. This may perhaps be taken as a supporting argument that the footed cup occasionally was used as a hand lamp (cf. above p. 347). The very low percentage of misfired pottery in the LM IIIB:1 (0.9%) and LM IIIA:2 (0.6%) deposits have been commented upon above p. 273.

Fabrics

By far, the majority of the collected pottery was produced in local workshops. Of special interest is the Kydonian Workshop (cf. pp. 375-376), whose products, together with other wares and imports, are found in Table 10a-b. Of the inventoried pottery dated LM IIIB:1 as much as 39% came from the Kydonian Workshop while in the previous period as much as 32% was dated LM IIIA:2. In Table 11 all inventoried sherds of the Kydonian Workshop from the LM IIIC to LM IIIA:2 deposits have been added.¹¹

Those with pure dates are seen in Fig. 102 and it clearly marks out the LM IIIB:1 period as the peak of production in the LM period with as much as 40%. The graph presented in Fig. 102 is probably close to the reality,¹² but there is a very high number of Kydonian Workshop dated LM IIIB:1/2 (all

⁹ In pits, dumps and rubbish deposits several sherds of earlier date need not belong to the deposit, but could have derived from the cleaning of the area.

¹⁰ For criteria of burnt and misfired, see GSE III, 197, n.1.

¹¹ See GSE II, 203, table 4 and GSE III.1, 298, table 5.

¹² The LM IIIA:1 percentage of Kydonian Workshop remains uncertain, and we reserve judgment for the 23% given until Vol. V has been published.

Table 10a. Distribution of fabrics and imports in LM IIIB:1 strata.

	Total	LW	%	?	GW	HBW	KNO	PAL	CYCL	KYTH	MYC	CYP	An.
LM IIIB:1	968	380	39%			12	17	7			38		21
LM IIIA:2/B:1	770	153	20%		5		6				17		16
LH IIIA/IIIB:1	20		0%								20		
LM IIIA:2	213	39	18%				9				16		2
LM IIIA:1/2	32		0%				7						
LM IIIA:1	87		0%								1		
LM III	17		0%						2	15			
LM II	7		0%				1						
Total	2114	572	27%	0	5	12	40	7	2	15	92	0	39

Table 10b. Distribution of fabrics and imports in LM IIIA:2 strata.

	Total	LW	%	?	GW	HBW	KNO	PAL	CYCL	KYTH	MYC	CYP	An.
LM IIIA:2	269	87	32%	1	1		11	3			12		2
LM IIIA:1/2	396	48	12%	1			7				14		8
LM IIIA:1	59	1	2%								3		
LM III	2		0%							2			
LM II	4		0%				1						
Total	730	136	19%	2	1	0	19	3	0	2	29	0	10

Table 11. The amount of Kydonian Workshop inventoried from the LM IIIC through LM IIIA:2 layers.

Date	Total	LW	%
LM IIIC	220	17	8%
LM IIIC/B:2	358	96	27%
LM IIIB:2	990	309	31%
LM IIIB:1/2	1.153	485	42%
LM IIIB:1	1.233	490	40%
LM IIIA:2/B:1	825	159	19%
LH IIIA/IIIB:1	20		0%
LM IIIA:2	521	128	25%
LM IIIA:1/2	566	69	12%
LM IIIA:1	163	38	23%
LM III	56	1	2%
LM II	15		0%
Total	6.120	1.792	29%

found in the LM IIIB:2 levels). Depending on how many of those are older pieces, the percentages presented in *Fig. 102* may change somewhat between LM IIIB:1 and LM IIIB:2. If we simplify the question to main periods we find that 8% is LM IIIC, 38% is LM IIIB and 19% is LM IIIA. It is thus clear that the Kydonian Workshop started its mass production in LM IIIA, that it reached its peak in LM IIIB (prob-

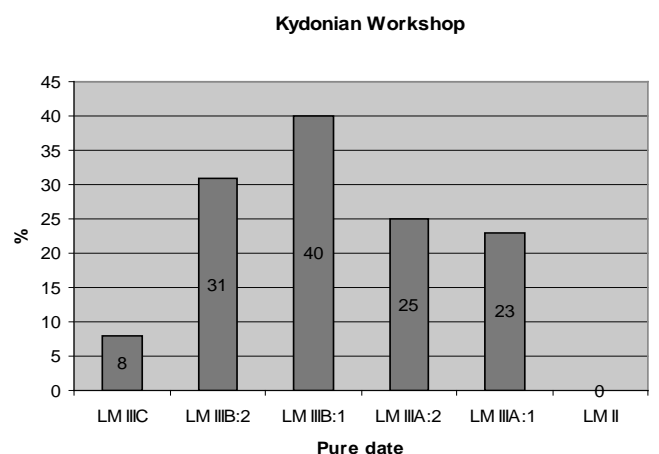


Fig. 102. Graph showing the occurrence of Kydonian Workshop with pure dates in levels from LM IIIC through LM IIIA:2.

ably LM IIIB:1) and that it dropped off drastically in LM IIIC.

Concerning the other fabrics it can be noted that Grey Ware (GW) is still produced in both LM IIIB:1 and LM IIIA:2, while the Handmade Burnished Ware (HBW) seem to be introduced in LM IIIB:1. Both layers contain a fair amount of contemporary Knossian imports (KNO),

Table 12. Distribution of shapes in LM IIIB:1 and LM IIIA:2 strata.

	LM IIIB:1 strata				LM IIIA:2 strata			
	Total	IIIB:1	IIIA:2/B:1		Total	IIIA:2	IIIA:1/2	
Alabastron	12	5	6	11	6	6		6
Amphora	29	9	20	29	9	5	3	8
Amphoriskos	5	2	3	5	1	1		1
Amphoroid krater	96	73	14	87	24	10	14	24
Askos				0	2	1	1	2
Basin	1		1	1	2	2		2
Basket vase	3	3		3	1		1	1
Bathtub	1	1		1				0
Bowl	212	184	26	210	10	3	7	10
Brazier	2	1	1	2	1		1	1
Bread oven				0	2		2	2
Cone, miniature	1			0				0
<i>Ciotola carenata</i>	2	2		2				0
Conical cup	41	4	10	14	28		13	13
Cooking dish	11		10	10	7		7	7
Cooking jar	5		5	5				0
Cup	402	77	191	268	228	115	77	192
Cup, miniature	7	6		6	9	3	6	9
Cup/rhyton	3			0	6			0
Closed vessel	281	57	136	193	134	37	70	107
Dish	1	1		1				0
Double vase	1	1		1	1	1		1
Drain	1	1		1				0
Firebox	1			0	2		1	1
Footed cup	85	66	8	74	19	14	5	19
Goblet	48	3	2	5	52		49	49
Hut model	1	1		1				0
In-and-out basin	1			0	1			0
Incense burner	4		3	3	2		2	2
Jar	40	10	15	25	9	2	5	7
Jar, miniature	2	1	1	2				0
Jug	42	8	23	31	21	5	9	14
Jug, miniature				0	3		3	3
Juglet	15	1	14	15	7		7	7
Kalathos	16	13	3	16	3	3		3
Krater	51	37	13	50	12	11	1	12
Kylix	272	209	23	232	37	25	14	39
Ladle	24	8	16	24	5		5	5
Lamp	7		3	3	5		5	5
Larnax	4	4		4				0
Lid	12	4	6	10	3		3	3
Minoan flask	4			0	11	1	10	11
Mug	15	2	11	13	9	7	2	9
<i>Olla</i>	4	4		4				0
Open vessel	91	11	6	17	28	3	1	4
Pedestal bowl	3	1	2	3	4		4	4
Piriform jar	7	1	2	3	3	2	1	3
Pithos	144			0	25			0
Plate	2			0	1			0
Pyxis	10	3	5	8	2	1	1	2
Rhyton	30	12	14	26	10	1	9	10
Semiglobular cup	4		1	1	9		3	3
Spit stand	1		1	1				0

	LM IIIB:1 strata				LM IIIA:2 strata			
	Total	IIIB:1	IIIA:2/B:1		Total	IIIA:2	IIIA:1/2	
Stirrup jar	16	15	1	16	1	1		1
Stirrup jar, large	67	12	54	66	23	2	21	23
Stirrup jar, medium	15	12	2	14	6	2	4	6
Stirrup jar, small	35	33	2	35	1	1		1
Stirrup jar, miniature	3	2	1	3	1	1		1
Stand	11	4	4	8	3	1	2	3
Storage jar	69	7	61	68	19	1	18	19
Tankard	48	48	0	48	1		1	1
Tripod cooking pot	51	5	45	50	12		11	11
Tripod storage jar	3	1	1	2				0
Thelatron	3	1	2	3	2	2		2
Tray	3		3	3				0
Tripod cup	3			0				0
Tripod jar	1			0				0
Vat	1	1		1	1		1	1
Outside joins	103				57			
Total	2489	967	771	1738	881	270	400	670

although it is a little higher in LM IIIA:2 (2.3%) than in LM IIIB:1 (1.7%). This is also in concordance with the analyses of the Knossian imports given above (p. 363). The Palaikastro (PAL) and Kytheran (KYTH) workshops were recognized in both periods, while no Cycladic (CYCL) were noted in LM IIIA:2. No Cypriot (CYP) imports were identified in the two periods, while there were a fair amount of Mycenaean imports – c. 4% in both periods. While we saw in the LM IIIC and LM IIIB:2 period that the Mycenaean imports were older than the deposits in which they were found¹³ this phenomenon has drastically changed in that in the LM IIIB:1 deposits 82% of the imports are dated within this period, while in LM IIIA:2 it is as much as 90%. This indicates close contact with the Greek mainland during both periods that apparently dropped off in the following two periods. For further comments on the Kydonian Workshop, fabrics and imports see above pp. 275-276.

The LM IIIB:1 and LM IIIA:2 pottery

Of the 16,953 inventoried pottery numbers from the Greek-Swedish Excavations 1970-1987 and 2001, 967 (5.7%) were dated to the LM IIIB:1 period, while 771 (4.6%) were dated to the LM IIIB:1/A:2 period. This means that as much as 10.2% of the inventoried pottery from the excavations during the years mentioned above may be of LM IIIB:1 date. From the LM IIIA:2 period 270 (1.6%) sherds were dated LM IIIA:2, while 400 (2.4%) were dated LM IIIA:1/2, meaning that 3.9% of the inventoried pottery may be of LM IIIA:2 date. For comparison the LM IIIC layers with 3.7% were close to LM IIIA:2, while the LM IIIB:2 layers with 11.5% were close to the LM IIIB:1 layers.¹⁴ These numbers are in

accordance with the weighed pottery where the LM IIIC and LM IIIA:2 periods only produced roughly 1/3 of the amount found in LM IIIB:1 and LM IIIB:2.

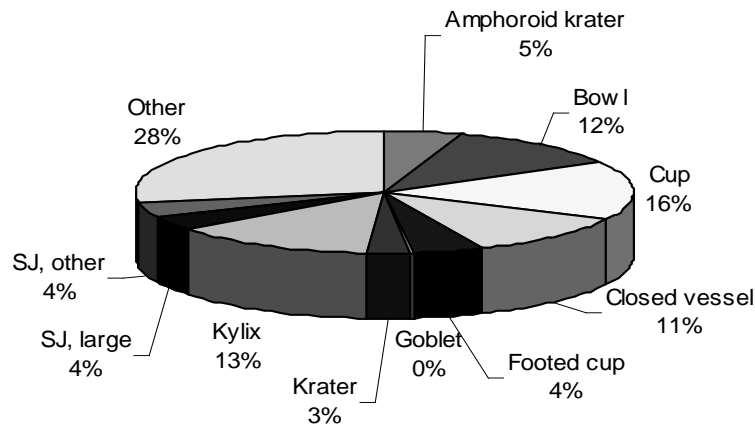
In *Table 12* all pottery shapes found in the LM IIIB:1 and LM IIIA:2 deposits are noted. In the first column is the actual number of each shape while the last column represents the total of LM IIIB:1 and IIIA:2 shapes respectively. In the LM IIIB:1 settlement the 1,738 inventoried LM IIIA:2/B:1 sherds represent 56 different (main) shapes, while from the LM IIIA:2 settlement the 670 inventoried LM IIIA:1/2 sherds represent 49 shapes (*Table 12*). In *Fig. 103* we have isolated the shapes occurring most frequently among the inventoried pottery. In LM IIIB:1 the three most common shapes are the bowl (12%), the cup (16%) and the kylix (13%). This picture is very different from what we saw in LM IIIA:2 where the bowl is practically non-existent and the occurrence of the kylix is half, while the cup is almost double that of what we find in LM IIIB:1. Three more shapes differ considerably in the two periods. One is the goblet which is practically non-existent in LM IIIB:1 while it constitutes 7% in LM IIIA:2; the second is the small stirrup jar represented with only one specimen in LM IIIA:2¹⁵ (while 35 were inventoried from the LM IIIB:1 period) and the third is the Minoan flask which is absent in LM IIIB:1 but represented by 11 pieces in LM IIIA:2. The remaining main shapes, the amphoroid krater, the footed cup, the krater and the large stirrup jar are equally

¹³ In LM IIIC none of the 17 Mycenaean imports could be dated to that period, cf. *GSE* II, 205, and in LM IIIB:2 at least 88% of the 75 Mycenaean imports were surely older than that period, cf. *GSE* III, 299.

¹⁴ For LM IIIC and IIIB:2 see *GSE* III, 299.

¹⁵ 84-P 0867, a Mycenaean import.

Main shapes LM IIB:1



Main shapes LM IIIA:2

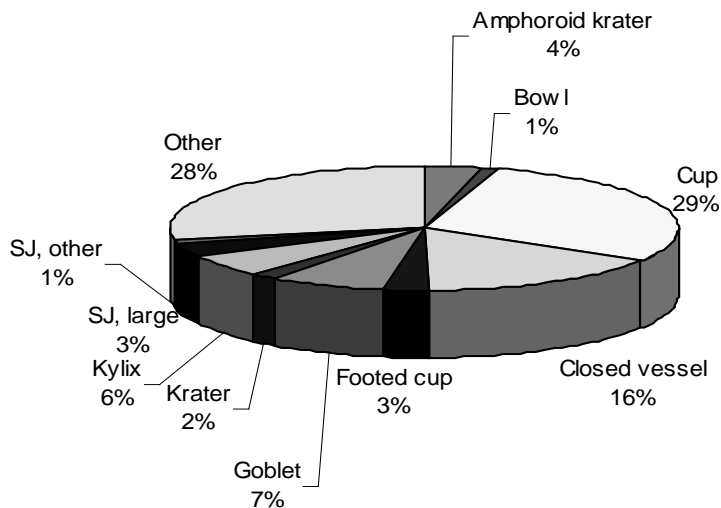


Fig. 103. The most frequent, inventoried shapes among the LM IIB:1 and LM IIIA:2 pottery.

represented in the two settlements. These numbers clearly show something about the development of shapes within the two periods.¹⁶ To the above may be added a few shapes found among the category “Other” in *Fig. 103*. Here we have noted shapes like the askos, the bread oven, the firebox and the miniature jug, that are found in the LM IIIA:2 levels but which are missing in the LM IIB:1 settlement. Conversely shapes like the bathtub, the *ciotola carenata*, the cooking jar, the dish, the drain, the hut model, the larnax, the *olla*, and the tray are only noted in the LM IIB:1 layers. All these shapes occur in small numbers only and their absence in one of the layers may be by chance. However, with others such as the Handmade Burnished Ware we can be fairly sure that it is,

with current evidence, a newcomer in the LM IIB:1 period.¹⁷ In Vol. V it is our intention to bring graphs and tables showing the development of pottery shapes from LM II through LM IIIC in numbers.

¹⁶ This development has been discussed in detail above in the chapter on the pottery (p. 378).

¹⁷ See above p. 371.