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Level	Building or Space	Stage of Manufacture										TOTAL		TOTAL IN PHASE
		Roughout		Preform		Finished		Unknown		Indeterminate				
		QN	N	QN	N	QN	N	QN	N	QN	N	QN	N	
South.G	S181			9.25	19	46.25	74					55.5	93	93
	B23			1.5	2	13.75	21			0.75	2	16	25	
South.J	B18	1	1	3	5	23.5	28					27.5	34	59
	B17			0.5	2	36.5	59					37	61	
South.K	B16					7.25	10					7.25	10	71
	B22											0	0	
	B43					441.5	485					441.5	485	
South.L	B6					36.5	42	?	>100			36.5	42	527
	B50					18.75	20					18.75	20	
South.?M	S168					10.5	11					10.5	11	31
	S169											0	0	
	S105											0	0	
	B75	8	8	4	5	17.25	20					29.25	33	
	S333			1	2	14.75	18					15.75	20	
South.P	S329	3.5	4	8.5	16	21.25	24	3	3	3.5	8	39.75	55	159
	S132			1	1	46.5	48	1	1	0.25	1	48.75	51	
	S140											0	0	
	B68					1	1					1	1	
	B65			1	1	19	30					20	31	
South.Q	S299/305			1	1	14.5	17			1	4	16.5	22	114
	S314			0.5	1	10.5	11			0.25	1	11.25	13	
	S260					16.5	19			0.75	3	17.25	22	
	B53					15.75	18			0.75	2	16.5	20	
	S261			1	1	4	4					5	5	
	S259			1	1	3.5	4			0.25	1	4.75	6	
South.R	B42			1	1	12	15					13	16	59
	B69					0.75	3					0.75	3	
	B56			1.25	2	17.5	18			1	1	19.75	21	
	S339					8.75	13					8.75	13	
	B44	0.25	1			5.5	9			0.25	1	6	11	
South.S	S129			0.5	1	11	12					11.5	13	36
	S130					4	4					4	4	
	S319					7.5	8					7.5	8	
South.T	B10					1	1					1	1	11
	S119					5.5	6					5.5	6	
	S131					4	4					4	4	
North.G	B58	1	1	1	1	3.25	4					5.25	6	343
	B59					2.25	3					2.25	3	
	B52											0	0	
	B64					46	46					46	46	
	B51											0	0	
	B49					247.75	269			0.25	1	248	270	
	B48											0	0	
	B67											0	0	
	B57					0.25	1			0.5	1	0.75	2	
	B55											0	0	
	B66					2	2					2	2	
	S90					7.5	14					7.5	14	
	B60					7.5	8					7.5	8	
	B47	3	3	1	1	1.75	3					5.75	7	
	North.H	B45					0.5	1					0.5	
B54						2	2					2	2	
B46												0	0	
S279		2.5	4	4	5	70.75	79	2	2	0.5	1	79.75	91	
North.I	S226	1	1	4.5	5	29.5	36			0.25	1	35.25	43	134
TOTAL		20.25	23	46.5	73	1317.5	1525	6	6	10.25	28	1400.5	1655	1655
TOTAL %		1.4%	1.4%	3.3%	4.4%	94.1%	92.1%	0.4%	0.4%	0.7%	1.7%	100.0%	100.0%	

Table A2.1.3. Distribution of beads in various stages of manufacture within and between settlement phases

Level	Building or Space	TOTAL IN BUILDINGS OR SPACES				TOTAL IN PHASE				TOTAL (without 2 burials)	TOTAL % (without 2 burials)
		QN	%	N	%	QN	%	N	%	N	%
South.G	S181	55.5	100.0%	93	100.0%	55.5	4.0%	93	5.6%		10.3%
South.J	B23	16	36.8%	25	42.4%						
	B18	27.5	63.2%	34	57.6%	43.5	3.1%	59	3.6%	59	6.6%
South.K	B17	37	83.6%	61	85.9%						
	B16	7.25	16.4%	10	14.1%						
	B22	0	0.0%	0	0.0%	44.25	3.2%	71	4.3%	71	7.9%
South.L	B43	441.5	92.4%	485	92.0%						
	B6	36.5	7.6%	42	8.0%	478	34.1%	527	31.8%	42	4.7%
South.?M	B50	18.75	64.1%	20	64.5%						
	S168	10.5	35.9%	11	35.5%						
	S169	0	0.0%	0	0.0%						
	S105	0	0.0%	0	0.0%	29.25	2.1%	31	1.9%	31	3.4%
South.P	B75	29.25	21.9%	33	20.8%						
	S333	15.75	11.8%	20	12.6%						
	S329	39.75	29.8%	55	34.6%						
	S132	48.75	36.5%	51	32.1%						
	S140	0	0.0%	0	0.0%	133.5	9.5%	159	9.6%	159	17.7%
South.Q	B68	1	1.1%	1	0.9%						
	B65	20	22.9%	31	27.2%						
	S299/305	16.5	18.9%	22	19.3%						
	S314	11.25	12.9%	13	11.4%						
	S260	17.25	19.7%	22	19.3%						
	B53	16.5	18.9%	20	17.5%						
	S261	5	5.7%	5	4.4%	87.5	6.2%	114	6.9%	114	12.7%
South.R	S259	4.75	10.1%	6	10.2%						
	B42	13	27.7%	16	27.1%						
	B69	0.75	1.6%	3	5.1%						
	B56	19.75	42.0%	21	35.6%						
	S339	8.75	18.6%	13	22.0%	47	3.4%	59	3.6%	59	6.6%
South.S	B44	6	20.7%	11	30.6%						
	S129	11.5	39.7%	13	36.1%						
	S130	4	13.8%	4	11.1%						
	S319	7.5	25.9%	8	22.2%	29	2.1%	36	2.2%	36	4.0%
South.T	B10	1	9.5%	1	9.1%						
	S119	5.5	52.4%	6	54.5%						
	S131	4	38.1%	4	36.4%	10.5	0.7%	11	0.7%	11	1.2%
North.G	B58	5.25	1.7%	6	1.7%						
	B59	2.25	0.7%	3	0.9%						
	B52	0	0.0%	0	0.0%						
	B64	46	14.8%	46	13.4%						
	B51	0	0.0%	0	0.0%						
	B49	248	79.6%	270	78.7%						
	B48	0	0.0%	0	0.0%						
	B67	0	0.0%	0	0.0%						
	B57	0.75	0.2%	2	0.6%						
	B55	0	0.0%	0	0.0%						
	B66	2	0.6%	2	0.6%						
	S90	7.5	2.4%	14	4.1%	311.75	22.3%	343	20.7%	73	8.1%
North.H	B60	7.5	47.6%	8	44.4%						
	B47	5.75	36.5%	7	38.9%						
	B45	0.5	3.2%	1	5.6%						
	B54	2	12.7%	2	11.1%						
North.I	S279	79.75	69.3%	91	67.9%						
	S226	35.25	30.7%	43	32.1%	115	8.2%	134	8.1%	134	14.9%
TOTAL		1400.5		1655		1400.5		1655		900	

Table A2.1.4. Distribution of stone beads and fragments within and between settlement phases in the South and North areas, calculations based on both QN and N, including and excluding the two largest concentrations of beads found in burials in Buildings 43 and 49

Description of variable	Variables assessed in database	Example of entry
Unique number given to bead	GID	4838.H32
Unit in which bead found	Unit number	4838
South or North	Area	South
Settlement phase	Phase	G
Found in building	Building	-
Found in external space	Space	181
Type of context	Context	dump/midden
Quantity of beads associated with this GID	Number	1
Whether a bead is whole or $\frac{3}{4}$, $\frac{1}{2}$, or $\frac{1}{4}$ fragment	Complete	1/2 fragment
The number multiplied by complete. Qualitative analyses conducted using this number	Quantitative number (QN)	0.5
Stage of manufacture	Finished/Preform/Roughout	finished
Type of stone or mineral	Material	tufa
Colour of stone or mineral	Colour	dark pink
Typology of bead (typology system created by author)	Typology	ring
Size of bead based on number system divided into increments of 2.5mm	Size	1 (0 – 2.5mm)
Texture of stone or mineral	Texture	compact, fine-grained, smooth when polished
Whether the bead was drilled by hand or mechanically	Hand or Mechanical Drilling	mechanical
Type of perforation (straight, conical, or bi-conical) and at what angle (straight or slanted)	Perforation Type	bi-conical/straight
Perforation opening can be narrow or wide, and the depth can be small, medium or large	Perforation Size (diameter/depth)	wide/medium
What marks are present within the perforation	Perforation Marks	concentric parallel striations
What marks are present along the height of the bead (between the perforated ends)	Length Marks	linear/fine/smooth
What marks are present on the perforated end	End Marks	smooth, polished
Are the bead edges sharp or rounded	Edges (round or sharp)	sharp
Any special comments regarding technology	Special comments or technological features	-

Table 2.3.1. Example of an entry of a stone bead in the stone beads database and the factors assessed and recorded associated with this bead

	soft limestone	soft saccharoidal marble	serpentine	phylite	tufa	steatite	hard limestone/soft marble	fresh limestone	fluorapatite	calcite	travertine	shale	carnelian	hematite	limestone pebble	metabasalt	galena	quartz	turquoise	barite	gypsum	chert	other	unidentified	TOTAL	TOTAL %
S181 South.G (n=93)	1.5	1	5.25	15.25	16	1	10.5	2		2													1		55.5	5.9%
B23 South.J (n=25)		0.5	1.5	7.5	2.5	2	1.5											0.5							16	1.7%
B18 South.J (n=34)			1	17	4.5		3					1											1		27.5	2.9%
B17 South.K (n=61)		1	1.5	13.5	10	3.25	6																	1.75	37	3.9%
B16 South.K (n=10)		0.5	1	2.5	1.25	1	1																		7.25	0.8%
B22 South.K (n=0)																									0	0.0%
B6 South.L (n=42)		0.5	22		7.25	5	1.75																		36.5	3.9%
B43 South.L (n=485)	300.75	124.75	16																						441.5	46.8%
B50 South.?M (n=20)		4	5		1.25		7.5			1															18.75	2.0%
S168 South.?M (n=11)			2				7.5																		9.5	1.0%
S169 South.?M (n=0)																									0	0.0%
S105 South.?M (n=0)																									0	0.0%
South.N (n=0)																									0	0.0%
South.O (n=0)																									0	0.0%
B75 South.P (n=33)	1		7.5	2	4	3	1.5		0.5	0.25		2											2		23.75	2.5%
S333 South.P (n=20)		0.5	6	2		3.25			1	1	1		0.5					0.5							15.75	1.7%
S329 South.P (n=51)		2	7	4.5	8	3.25	2.5			1						1	1.25	0.5		0.75			1	4	36.75	3.9%
S132 South.P (n=51)	1		8.75	33.5	1	0.5		1		1													1	1	48.75	5.2%
S140 South.P (n=0)																									0	0.0%
S314 South.Q (n=13)			5.75	1	1	3				0.5															11.25	1.2%
B65 South.Q (n=31)			5.25			6.5	3.5		0.25		0.5		0.5											1	17.5	1.9%
S299/305 South.Q (n=22)	1	1	3		2.5	5.5			2			0.5	1												16.5	1.7%
S260 South.Q (n=22)			2	1	1	5.5	2	1	1.25	1.5	1													1	17.25	1.8%
S261 South.Q (n=5)			2	2						1															5	0.5%
B68 South.Q (n=1)										1															1	0.1%
B53 South.Q (n=20)			2	2.75			2.75		3	1	1				2	1								1	16.5	1.7%
B69 South.R (n=3)			0.25								0.5														0.75	0.1%
B56 South.R (n=21)	1		3.5	1		3		9	0.25		1													1	19.75	2.1%
S339 South.R (n=13)	0.75		2			2.25	1		0.25	2	0.25														8.5	0.9%
S259 South.R (n=6)		1	1.5	1		1.25																			4.75	0.5%
B42 South.R (n=16)	1	1	2		2	1			2					2											11	1.2%
B44 South.S (n=11)						2.25	1	0.5			0.5		0.5				0.25						0.75	0.5	6.25	0.7%
S129 South.S (n=13)			4	0.5	1	1	2	1	2																11.5	1.2%
S130 South.S (n=4)			2			1		1																	4	0.4%
S319 South.S (n=8)			1			3		1	1.5																6.5	0.7%
B10 South.T (n=1)			1																						1	0.1%
S119 South.T (n=6)					0.5	4	1																		5.5	0.6%
S131 South.T (n=4)			1			1			1										1						4	0.4%
TOTAL	308	137.75	122.75	107	63.75	62.5	56	16.5	15	13.25	5.75	3.5	2.5	2	2	2	1.5	1.5	1	0.75	0	0	7.75	10.25	943	100.0%
TOTAL %	32.7%	14.6%	13.0%	11.3%	6.8%	6.6%	5.9%	1.7%	1.6%	1.4%	0.6%	0.4%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%	0.0%	0.0%	0.8%	1.1%	100.0%	
SOUTH EARLY TOTAL	302.25	132.25	55.25	55.75	42.75	12.25	38.75	2	0	3	0	1	0	0	0	0	0	0.5	0	0	0	0	2	1.75	649.5	68.9%
SOUTH EARLY TOTAL (without B43)	1.5	7.5	39.25	55.75	42.75	12.25	38.75	2	0	3	0	1	0	0	0	0	0	0.5	0	0	0	0	2	1.75	208	22.1%
SOUTH LATE TOTAL	5.75	5.5	67.5	51.25	21	50.25	17.25	14.5	15	10.25	5.75	2.5	2.5	2	2	2	1.5	1	1	0.75	0	0	5.75	8.5	293.5	
NORTH LATE TOTAL	46.25	6.25	110.25	68.5	6.25	106.5	18	4	6.5	3	2	3	1.75	1.5	3	28	0	0	6	0.25	1.75	2	4.5	4.5	433.75	

Table A3.1.3. Distribution of raw materials used over the span of the Neolithic from South.G to South.T (N=1156; QN=943)

	serpentine	steatite	phyllite	soft limestone	metabasalt	hard limestone/soft marble	fluorapatite	soft saccharoidal marble	tufa	turquoise	fresh limestone	shale	calcite	limestone pebble	travertine	chert	carnelian	gypsum	hematite	barite	galena	quartz	other	unidentified	TOTAL	TOTAL %
B58 North.G (n=6)	1	0.25					1			2									1						5.25	1.2%
B59 North.G (n=3)				1		1.25																			2.25	0.5%
B52 North.G (n=0)																									0	0.0%
B64 North.G (n=46)				39.25																					39.25	9.0%
B51 North.G (n=0)																									0	0.0%
B49 North.G (n=270)	91.25	53.25	66.5	0.5	27	4.5		2.5	3.25									0.25					0.25		249.25	57.5%
B48 North.G (n=0)																									0	0.0%
B67 North.G (n=0)																									0	0.0%
B57 North.G (n=2)							0.25	0.25																	0.5	0.1%
B55 North.G (n=0)																									0	0.0%
B66 North.G (n=2)		1				1																			2	0.5%
S90 North.G (n=14)		1	1	5.5																					7.5	1.7%
B60 North.H (n=8)		1				3			0.5	3															7.5	1.7%
B47 North.H (n=7)		1											1				0.5			0.25			3		5.75	1.3%
B45 North.H (n=1)							0.5																		0.5	0.1%
B54 North.H (n=2)	1				1																				2	0.5%
B46 North.H (n=0)																									0	0.0%
S279 North.I (n=90)	9.5	37.25				6.75	3.75	2	1.5	1	2	2	1	3	2	2	1.25						1.25	2	78.25	18.0%
S226 North.I (n=43)	7.5	11.75	1			1.5	1	1.5	1		2	1	1					1.5	0.5					2.5	33.75	7.8%
TOTAL	110.25	106.5	68.5	46.25	28	18	6.5	6.25	6.25	6	4	3	3	3	2	2	1.75	1.75	1.5	0.25	0	0	4.5	4.5	433.75	100.0%
TOTAL %	25.4%	24.6%	15.8%	10.7%	6.5%	4.1%	1.5%	1.4%	1.4%	1.4%	0.9%	0.7%	0.7%	0.7%	0.5%	0.5%	0.4%	0.4%	0.3%	0.1%	0.0%	0.0%	1.0%	1.0%	100.0%	

Table A3.1.4. Distribution of raw materials used in the North area (N=494; QN=433.75)

	soft limestone	serpentinite	phyllite	steatite	soft saccharoidal marble	hard limestone/soft marble	tufa	metabasalt	fluorapatite	fresh limestone	calcite	travertine	turquoise	shale	limestone pebble	carnelian	hematite	chert	gypsum	galena	quartz	barite	other	unidentified	TOTAL	TOTAL %	
S181 South.G (n=93)	1.5	5.25	15.25	1	1	10.5	16			2	2												1		55.5	4.0%	
B23 South.J (n=25)		1.5	7.5	2	0.5	1.5	2.5														0.5				16	1.2%	
B18 South.J (n=34)		1	17			3	4.5							1									1		27.5	2.0%	
B17 South.K (n=61)		1.5	13.5	3.25	1	6	10																	1.75	37	2.7%	
B16 South.K (n=10)		1	2.5	1	0.5	1	1.25																		7.25	0.5%	
B22 South.K (n=0)																									0	0.0%	
B6 South.L (n=42)		22		5	0.5	1.75	7.25																		36.5	2.7%	
B43 South.L (n=485)	300.75	16			124.75																				441.5	32.1%	
B50 South.?M (n=20)		5			4	7.5	1.25				1														18.75	1.4%	
S168 South.?M (n=11)		2				7.5																			9.5	0.7%	
S169 South.?M (n=0)																									0	0.0%	
S105 South.?M (n=0)																									0	0.0%	
South.N (n=0)																									0	0.0%	
South.O (n=0)																									0	0.0%	
B75 South.P (n=33)	1	7.5	2	3		1.5	4		0.5		0.25			2									2		23.75	1.7%	
S333 South.P (n=20)		6	2	3.25	0.5				1		1	1				0.5					0.5				15.75	1.1%	
S329 South.P (n=51)		7	4.5	3.25	2	2.5	8	1			1									1.25	0.5	0.75	1	4	36.75	2.7%	
S132 South.P (n=51)	1	8.75	33.5	0.5			1			1	1													1	48.75	3.5%	
S140 South.P (n=0)																									0	0.0%	
S314 South.Q (n=13)		5.75	1	3			1				0.5														11.25	0.8%	
B65 South.Q (n=31)		5.25		6.5		3.5			0.25			0.5				0.5							1		17.5	1.3%	
S299/305 South.Q (n=22)	1	3		5.5	1		2.5		2					0.5		1									16.5	1.2%	
S260 South.Q (n=22)		2	1	5.5		2	1		1.25	1	1.5	1												1	17.25	1.3%	
S261 South.Q (n=5)		2	2								1														5	0.4%	
B68 South.Q (n=1)											1														1	0.1%	
B53 South.Q (n=20)		2	2.75			2.75		1	3		1	1			2									1	16.5	1.2%	
B69 South.R (n=3)		0.25										0.5													0.75	0.1%	
B56 South.R (n=21)	1	3.5	1	3					0.25	9		1												1	19.75	1.4%	
S339 South.R (n=13)	0.75	2		2.25		1			0.25		2	0.25														8.5	0.6%
S259 South.R (n=6)		1.5	1	1.25	1																					4.75	0.3%
B42 South.R (n=16)	1	2		1	1		2		2								2								11	0.8%	
B44 South.S (n=11)				2.25		1				0.5		0.5				0.5				0.25			0.75	0.5	6.25	0.5%	
S129 South.S (n=13)		4	0.5	1		2	1		2	1															11.5	0.8%	
S130 South.S (n=4)		2		1						1															4	0.3%	
S319 South.S (n=8)		1		3					1.5	1																6.5	0.5%
B10 South.T (n=1)		1																							1	0.1%	
S119 South.T (n=6)				4		1	0.5																		5.5	0.4%	
S131 South.T (n=4)		1		1					1				1												4	0.3%	
B58 North.G (n=6)		1		0.25					1				2				1									5.25	0.4%
B59 North.G (n=3)	1					1.25																			2.25	0.2%	
B52 North.G (n=0)																									0	0.0%	
B64 North.G (n=46)	39.25																									39.25	2.9%
B51 North.G (n=0)																									0	0.0%	
B49 North.G (n=270)	0.5	91.25	66.5	53.25	2.5	4.5	3.25	27											0.25				0.25			249.25	18.1%
B48 North.G (n=0)																									0	0.0%	
B67 North.G (n=0)					0.25				0.25																	0	0.0%
B57 North.G (n=2)																									0.5	0.0%	
B55 North.G (n=0)																									0	0.0%	
B66 North.G (n=2)				1		1																			2	0.1%	
S90 North.G (n=14)	5.5		1	1																					7.5	0.5%	
B60 North.H (n=8)				1		3	0.5						3													7.5	0.5%
B47 North.H (n=7)				1							1					0.5						0.25	3		5.75	0.4%	
B45 North.H (n=1)									0.5																0.5	0.0%	
B54 North.H (n=2)		1						1																	2	0.1%	
B46 North.H (n=0)																									0	0.0%	
S279 North.I (n=90)		9.5		37.25	2	6.75	1.5		3.75	2	1	2	1	2	3	1.25		2					1.25	2	78.25	5.7%	
S226 North.I (n=43)		7.5	1	11.75	1.5	1.5	1		1	2	1			1			0.5		1.5					2.5	33.75	2.5%	
TOTAL	354.25	233	175.5	169	144	74	70	30	21.5	20.5	16.25	7.75	7	6.5	5	4.25	3.5	2	1.75	1.5	1.5	1	12.25	14.75	1376.75	100.0%	
TOTAL %	25.7%	16.9%	12.7%	12.3%	10.5%	5.4%	5.1%	2.2%	1.6%	1.5%	1.2%	0.6%	0.5%	0.5%	0.4%	0.3%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.9%	1.1%	100.0%		

Table A3.1.5. Distribution of raw materials used over the span of the Neolithic from South and North areas (N=1650; QN=1022.5)

	serpentinite	steatite	phyllite	soft limestone	hard limestone/soft marble	metabasalt	tufa	fluorapatite	fresh limestone	calcite	soft saccharoidal marble	travertine	turquoise	shale	limestone pebble	carnelian	hematite	chert	gypsum	galena	barite	quartz	other	unidentified	TOTAL	TOTAL %
B75 South.P (n=33)	7.5	3	2	1	1.5		4	0.5		0.25				2									2		23.75	3.3%
S333 South.P (n=20)	6	3.25	2					1		1	0.5	1				0.5						0.5			15.75	2.2%
S329 South.P (n=51)	7	3.25	4.5		2.5	1	8			1	2									1.25	0.75	0.5	1	4	36.75	5.1%
S132 South.P (n=51)	8.75	0.5	33.5	1			1		1	1													1	1	48.75	6.7%
S140 South.P (n=0)																									0	0.0%
S314 South.Q (n=13)	5.75	3	1				1			0.5															11.25	1.5%
B65 South.Q (n=31)	5.25	6.5			3.5			0.25			0.5					0.5							1		17.5	2.4%
S299/305 South.Q (n=22)	3	5.5		1			2.5	2			1			0.5		1									16.5	2.3%
S260 South.Q (n=22)	2	5.5	1		2		1	1.25	1	1.5		1												1	17.25	2.4%
S261 South.Q (n=5)	2		2							1															5	0.7%
B68 South.Q (n=1)										1															1	0.1%
B53 South.Q (n=20)	2		2.75		2.75	1		3		1		1			2									1	16.5	2.3%
B69 South.R (n=3)	0.25										0.5														0.75	0.1%
B56 South.R (n=21)	3.5	3	1	1				0.25	9			1												1	19.75	2.7%
S339 South.R (n=13)	2	2.25		0.75	1			0.25		2	0.25														8.5	1.2%
S259 South.R (n=6)	1.5	1.25	1								1														4.75	0.7%
B42 South.R (n=16)	2	1		1			2	2			1						2								11	1.5%
B44 South.S (n=11)		2.25			1				0.5			0.5				0.5				0.25			0.75	0.5	6.25	0.9%
S129 South.S (n=13)	4	1	0.5		2		1	2	1																11.5	1.6%
S130 South.S (n=4)	2	1							1																4	0.6%
S319 South.S (n=8)	1	3						1.5	1																6.5	0.9%
B10 South.T (n=1)	1																								1	0.1%
S119 South.T (n=6)		4			1		0.5																		5.5	0.8%
S131 South.T (n=4)	1	1						1					1												4	0.6%
B58 North.G (n=6)	1	0.25						1					2				1								5.25	0.7%
B59 North.G (n=3)				1	1.25																				2.25	0.3%
B52 North.G (n=0)																										0.0%
B64 North.G (n=46)				39.25																					39.25	5.4%
B51 North.G (n=0)																										0.0%
B49 North.G (n=270)	91.25	53.25	66.5	0.5	4.5	27	3.25				2.5								0.25				0.25		249.25	34.3%
B48 North.G (n=0)																										0.0%
B67 North.G (n=0)																										0.0%
B57 North.G (n=2)								0.25			0.25														0.5	0.1%
B55 North.G (n=0)																										0.0%
B66 North.G (n=2)		1			1																				2	0.3%
S90 North.G (n=14)		1	1	5.5																					7.5	1.0%
B60 North.H (n=8)		1			3		0.5						3												7.5	1.0%
B47 North.H (n=7)		1								1						0.5					0.25		3		5.75	0.8%
B45 North.H (n=1)								0.5																	0.5	0.1%
B54 North.H (n=2)	1					1																			2	0.3%
B46 North.H (n=0)																										0.0%
S279 North.I (n=90)	9.5	37.25			6.75		1.5	3.75	2	1	2	2	1	2	3	1.25		2					1.25	2	78.25	10.8%
S226 North.I (n=43)	7.5	11.75	1		1.5		1	1	2	1	1.5			1			0.5		1.5					2.5	33.75	4.6%
TOTAL	177.75	156.75	119.75	52	35.25	30	27.25	21.5	18.5	13.25	11.75	7.75	7	5.5	5	4.25	3.5	2	1.75	1.5	1	1	10.25	13	727.25	100.0%
TOTAL %	24.4%	21.6%	16.5%	7.2%	4.8%	4.1%	3.7%	3.0%	2.5%	1.8%	1.6%	1.1%	1.0%	0.8%	0.7%	0.6%	0.5%	0.3%	0.2%	0.2%	0.1%	0.1%	1.4%	1.8%	100.0%	

Table A3.1.6. Distribution of raw materials during the Later Neolithic settlement phases, South.P to South.T and North.G to North.I, (QN=727.25; N=867)

	serpentinite	steatite	phyllite	soft limestone	hard limestone/soft marble	metabasalt	tufa	fluorapatite	fresh limestone	calcite	soft saccharoidal marble	travertine	turquoise	shale	limestone pebble	carnelian	hematite	chert	gypsum	galena	barite	quartz	other	unidentified	TOTAL	TOTAL %
B75 South.P (n=33)	7.5	3	2	1	1.5		4	0.5		0.25				2									2		23.75	3.3%
S333 South.P (n=20)	6	3.25	2					1		1	0.5	1				0.5						0.5			15.75	2.2%
S329 South.P (n=51)	7	3.25	4.5		2.5	1	8			1	2									1.25	0.75	0.5	1	4	36.75	5.1%
S132 South.P (n=51)	8.75	0.5	33.5	1			1		1	1													1	1	48.75	6.7%
S140 South.P (n=0)																									0	0.0%
S314 South.Q (n=13)	5.75	3	1				1			0.5															11.25	1.5%
B65 South.Q (n=31)	5.25	6.5			3.5			0.25			0.5					0.5							1		17.5	2.4%
S299/305 South.Q (n=22)	3	5.5		1			2.5	2			1			0.5		1									16.5	2.3%
S260 South.Q (n=22)	2	5.5	1		2		1	1.25	1	1.5		1												1	17.25	2.4%
S261 South.Q (n=5)	2		2							1															5	0.7%
B68 South.Q (n=1)										1															1	0.1%
B53 South.Q (n=20)	2		2.75		2.75	1		3		1		1			2									1	16.5	2.3%
B69 South.R (n=3)	0.25										0.5														0.75	0.1%
B56 South.R (n=21)	3.5	3	1	1				0.25	9			1												1	19.75	2.7%
S339 South.R (n=13)	2	2.25		0.75	1			0.25		2	0.25														8.5	1.2%
S259 South.R (n=6)	1.5	1.25	1							1															4.75	0.7%
B42 South.R (n=16)	2	1		1			2	2			1						2								11	1.5%
B44 South.S (n=11)		2.25			1				0.5			0.5				0.5				0.25			0.75	0.5	6.25	0.9%
S129 South.S (n=13)	4	1	0.5		2		1	2	1																11.5	1.6%
S130 South.S (n=4)	2	1							1																4	0.6%
S319 South.S (n=8)	1	3						1.5	1																6.5	0.9%
B10 South.T (n=1)	1																								1	0.1%
S119 South.T (n=6)		4			1		0.5																		5.5	0.8%
S131 South.T (n=4)	1	1						1					1												4	0.6%
B58 North.G (n=6)	1	0.25						1					2				1								5.25	0.7%
B59 North.G (n=3)				1	1.25																				2.25	0.3%
B52 North.G (n=0)																										0.0%
B64 North.G (n=46)				39.25																					39.25	5.4%
B51 North.G (n=0)																										0.0%
B49 North.G (n=270)	91.25	53.25	66.5	0.5	4.5	27	3.25				2.5								0.25				0.25		249.25	34.3%
B48 North.G (n=0)																										0.0%
B67 North.G (n=0)																										0.0%
B57 North.G (n=2)								0.25			0.25														0.5	0.1%
B55 North.G (n=0)																										0.0%
B66 North.G (n=2)		1			1																				2	0.3%
S90 North.G (n=14)		1	1	5.5																					7.5	1.0%
B60 North.H (n=8)		1			3		0.5						3												7.5	1.0%
B47 North.H (n=7)		1								1						0.5					0.25		3		5.75	0.8%
B45 North.H (n=1)								0.5																	0.5	0.1%
B54 North.H (n=2)	1					1																			2	0.3%
B46 North.H (n=0)																										0.0%
S279 North.I (n=90)	9.5	37.25			6.75		1.5	3.75	2	1	2	2	1	2	3	1.25		2					1.25	2	78.25	10.8%
S226 North.I (n=43)	7.5	11.75	1		1.5		1	1	2	1	1.5			1			0.5		1.5					2.5	33.75	4.6%
TOTAL	177.75	156.75	119.75	52	35.25	30	27.25	21.5	18.5	13.25	11.75	7.75	7	5.5	5	4.25	3.5	2	1.75	1.5	1	1	10.25	13	727.25	100.0%
TOTAL %	24.4%	21.6%	16.5%	7.2%	4.8%	4.1%	3.7%	3.0%	2.5%	1.8%	1.6%	1.1%	1.0%	0.8%	0.7%	0.6%	0.5%	0.3%	0.2%	0.2%	0.1%	0.1%	1.4%	1.8%	100.0%	

Table A3.1.6. Distribution of raw materials during the Later Neolithic settlement phases, South.P to South.T and North.G to North.I, (QN=727.25; N=867)

	soft limestone	serpentinite	phyllite	steatite	soft saccharoidal marble	hard limestone/soft marble	tufa	metabasalt	fluorapatite	freshwater limestone	calcite	travertine	turquoise	shale	limestone pebble	carnelian	hematite	chert	gypsum	galena	quartz	barite	other	unidentified	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
South.G (N=93)	1.5	5.25	15.25	1	1	10.5	16			2	2										0.5		1		55.5	4.0%	10	18%
South.J (N=59)		2.5	24.5	2	0.5	4.5	7							1									1		43.5	3.2%	9	21%
South.K (N=71)		2.5	16	4.25	1.5	7	11.25																1.75		44.25	3.2%	6	14%
South.L (N=527)	300.75	38		5	125.25	1.75	7.25																		478	34.7%	6	1%
South.?M (N=31)		7			4	15	1.25				1														28.25	2.1%	5	18%
South.N (N=0)																									0	0.0%	0	0%
South.O (N=0)																									0	0.0%	0	0%
North.G. (N=343)	46.25	92.25	67.5	55.5	2.75	6.75	3.25	27	1.25				2			0.5	1		0.25		1.25	1	0.75	0.25	306	22.2%	13	4%
South.P (N=155)	2	29.25	42	10	2.5	4	13	1	1.5	1	3.25	1		2		0.5							4	5	125	9.1%	18	14%
North.H (N=18)		1		2		3	0.5	1	0.5		1		3			0.5						0.25	3		15.75	1.1%	11	70%
South.Q (N=114)	1	20	6.75	20.5	1	8.25	4.5	1	6.5	1	5	2.5		0.5	2	1.5							1	2	85	6.2%	16	19%
North.I (N=133)		17	1	49	3.5	8.25	2.5		4.75	4	2	2	1	3	3	1.25	0.5	2	1.5				1.25	4.5	112	8.1%	18	16%
South.R (N=59)	2.75	9.25	2	7.5	2	1	2		2.5	9	2	1.75					2							1	44.75	3.3%	12	27%
South.S (N=36)		7	0.5	7.25		3	1		3.5	3.5		0.5				0.5			0.25			0.75	0.5		28.25	2.1%	11	39%
South.T (N=11)		2		5		1	0.5		1				1												10.5	0.8%	6	57%
TOTAL	354.25	233	175.5	169	144	74	70	30	21.5	20.5	16.25	7.75	7	6.5	5	4.25	3.5	2	1.75	1.5	1.5	1	12.25	14.75	1376.75	100.0%		
TOTAL %	25.7%	16.9%	12.7%	12.3%	10.5%	5.4%	5.1%	2.2%	1.6%	1.5%	1.2%	0.6%	0.5%	0.5%	0.4%	0.3%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.9%	1.1%	100.0%			

Table A3.1.7. Summary of raw materials within each phase and variability of raw materials within settlement phases (N=1650, QN=1376.75)

	soft limestone	soft saccharoidal marble	serpentinite	phyllite	tufa	hard limestone/soft marble	steatite	freshwater limestone	calcite	fluorapatite	travertine	shale	carnelian	hematite	limestone pebble	metabasalt	quartz	galena	turquoise	barite	gypsum	chert	other	unidentified	TOTAL	TOTAL %
floors	1	1	15.5	41.75	22.5	10.75	8.25		1.25	2	1.5	2	0.25				0.5	0.25					2.5	1.5	112.5	12.0%
skeletons	146.25	125.75	41			5			1	1				2											322	34.3%
caches/clusters/ placed deposits	1	0.5	2	1	0.25	2	6	9		0.5	1	0.5			2								1.25	1	28	3.0%
external middens	4.25	3.5	41.75	58.25	31	21	34.5	7	8.5	7.5	2.25	0.5	2			1	0.5	0.75	1	0.75			3	6.25	235.25	25.0%
pit/post/bin fill			3.75	4	2.75	0.5	1																		12	1.3%
burial fill	156.5	3.5	9	5.5	8.75	21.5	5.5		1		0.5		0.5			1							1	1.75	216	23.0%
external activity areas or yards			7.25	2	0.5		1		1.5	0.5							0.5							1	14.25	1.5%
TOTAL	309	134.25	120.25	112.5	65.75	60.75	56.25	16	13.25	11.5	5.25	3	2.75	2	2	2	1.5	1	1	0.75	0	0	7.75	11.5	940	100.0%
TOTAL %	32.9%	14.3%	12.8%	12.0%	7.0%	6.5%	6.0%	1.7%	1.4%	1.2%	0.6%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.8%	1.2%	100.0%	
TOTAL (without Building 43 burial)	8.25	9.5	104.25	112.5	65.75	60.75	56.25	16	13.25	11.5	5.25	3	2.75	2	2	2	1.5	1	1	0.75	0	0	7.75	11.5	498.5	
TOTAL % (without Building 43 burial)	1.7%	1.9%	20.9%	22.6%	13.2%	12.2%	11.3%	3.2%	2.7%	2.3%	1.1%	0.6%	0.6%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.0%	0.0%	1.6%	2.3%	100.0%	

Table A3.1.8. Distribution of raw materials according to context type in the South area with and without the large Building 43 burial (N=1156; QN=940)

	serpentine	steatite	phyllite	soft limestone	metabasalt	hard limestone/soft marble	fluorapatite	soft saccharoidal marble	tufa	turquoise	freshwater limestone	calcite	shale	travertine	limestone pebble	chert	carnelian	gypsum	galena	hematite	barite	quartz	other	unidentified	TOTAL	TOTAL %
floors	2	3.25	2.5	2	1	5.25	0.5		1.75			1					0.5				0.25		3		23	5.2%
skeletons																		0.25							0.25	0.1%
caches/clusters/ placed deposits							1			2									1						4	0.9%
external middens	16.75	49.75	2	5.5		9.75	4.75	3.5	2.5	1	4	2	3	2	2	2	1.25	1.5		0.5			1.25	4.5	119.5	27.1%
pit/post/bin fill	1	2	2.5	38.75	2	1.5	0.25	0.25																	48.25	10.9%
burial fill	91.25	51.25	66.25		25	3	1	2.5	2	3												0.25			245.5	55.7%
external activity areas or yards	0.25	0.25																							0.5	0.1%
TOTAL	111.25	106.5	73.25	46.25	28	19.5	7.5	6.25	6.25	6	4	3	3	2	2	2	1.75	1.75	1	0.5	0.25	0	4.5	4.5	441	100.0%
TOTAL %	25.2%	24.1%	16.6%	10.5%	6.3%	4.4%	1.7%	1.4%	1.4%	1.4%	0.9%	0.7%	0.7%	0.5%	0.5%	0.5%	0.4%	0.4%	0.2%	0.1%	0.1%	0.0%	1.0%	1.0%	100.0%	

Table A3.1.9. Distribution of raw materials according to context type in the North area (N=494; QN=441)

	soft limestone	serpentine	phyllite	steatite	soft saccharoidal marble	hard limestone/soft marble	tufa	metabasalt	freshwater limestone	fluorapatite	calcite	travertine	turquoise	shale	carnelian	limestone pebble	hematite	galena	chert	gypsum	quartz	barite	other	unidentified	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
floors	3	17.5	44.25	11.5	1	16	24.25	1		2.5	2.25	1.5		2	0.75			0.25			0.5	0.25	5.5	1.5	135.5	9.8%	16	12%
skeletons	146.25	41			125.75	5				1	1						2			0.25					322.25	23.3%	8	2%
caches/clusters/ placed deposits	1	2	1	6	0.5	2	0.25		9	1.5		1	2	0.5		2		1					1.25	1	32	2.3%	14	44%
external middens	9.75	58.5	60.25	84.25	7	30.75	33.5	1	11	12.25	10.5	4.25	2	3.5	3.25	2	0.5	0.75	2	1.5	0.5	0.75	4.25	10.75	354.75	25.7%	22	6%
pit/post/bin fills	38.75	4.75	6.5	3	0.25	2	2.75	2		0.25															60.25	4.4%	9	15%
burial fills	156.5	100.25	71.75	56.75	6	24.5	10.75	26		1	1	0.5	3		0.5								1.25	1.75	461.5	33.4%	13	3%
external activity areas or yards		7.5	2	1.25			0.5			0.5	1.5										0.5			1	14.75	1.1%	7	47%
TOTAL	355.25	231.5	185.75	162.75	140.5	80.25	72	30	20	19	16.25	7.25	7	6	4.5	4	2.5	2	2	1.75	1.5	1	12.25	16	1381	100.0%		
TOTAL %	25.7%	16.8%	13.5%	11.8%	10.2%	5.8%	5.2%	2.2%	1.4%	1.4%	1.2%	0.5%	0.5%	0.4%	0.3%	0.3%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.9%	1.2%	100.0%			

Table A3.1.10a. Distribution of raw materials according to context type in the South and North areas (N=1650; QN=1381)

	soft limestone	serpentine	phyllite	steatite	soft saccharoidal marble	hard limestone/soft marble	tufa	metabasalt	freshwater limestone	fluorapatite	calcite	travertine	turquoise	shale	carnelian	limestone pebble	hematite	galena	chert	gypsum	quartz	barite	other	unidentified	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
floors	3	17.5	44.25	11.5	1	16	24.25	1		2.5	2.25	1.5		2	0.75			0.25			0.5	0.25	5.5	1.5	135.5	14.4%	16	12%
skeletons		25			1	5				1	1						2			0.25					35.25	3.8%	7	20%
caches/clusters/ placed deposits	1	2	1	6	0.5	2	0.25		9	1.5		1	2	0.5		2		1					1.25	1	32	3.4%	14	44%
external middens	9.75	58.5	60.25	84.25	7	30.75	33.5	1	11	12.25	10.5	4.25	2	3.5	3.25	2	0.5	0.75	2	1.5	0.5	0.75	4.25	10.75	354.75	37.8%	22	6%
pit/post/bin fills	38.75	4.75	6.5	3	0.25	2	2.75	2		0.25															60.25	6.4%	9	15%
burial fills	2	100.25	71.75	56.75	6	24.5	10.75	26		1	1	0.5	3		0.5								1.25	1.75	307	32.7%	13	4%
external activity areas or yards		7.5	2	1.25			0.5			0.5	1.5										0.5			1	14.75	1.6%	7	47%
TOTAL	54.5	215.5	185.75	162.75	15.75	80.25	72	30	20	19	16.25	7.25	7	6	4.5	4	2.5	2	2	1.75	1.5	1	12.25	16	939.5	100.0%		
TOTAL %	5.8%	22.9%	19.8%	17.3%	1.7%	8.5%	7.7%	3.2%	2.1%	2.0%	1.7%	0.8%	0.7%	0.6%	0.5%	0.4%	0.3%	0.2%	0.2%	0.2%	0.2%	0.1%	1.3%	1.7%	100.0%			

Table A3.1.10b. Distribution of raw materials according to context type in the South and North areas, withouth the large Building 43 burial (QN=939.5)

Çatalhöyük Bead Type	Beck Typology (closest conversion)
disc bead	A.2.b – cylinder disc or B.2.b short cylinder
ring bead	A.2.b – cylinder disc or B.2.b (both with large single perforation)
cylindrical barrel	D.1.b – long barrel (but more elongated and cylindrical in shape)
rounded barrel	C.1.b – standard barrel (but more rounded with a more subtle flat end)
barrel disc	A.1.b. – barrel disc or B.1.b. – short barrel
barrel ring	A.1.b. – barrel disc or B.1.b. – short barrel (both with large single perforation)
cylindrical	D.2.b – long cylinder or Type VIII single perforation tubular
double concave disc	A.1.f. – short truncated bicone disc
round	C.1.a. – circular
long elliptical	no real equivalent
lenticular	Rounded beads, Group IV – lenticular (no exact equivalent)
lenticular concave	Rounded beads, Group IV – lenticular with a more rounded perimeter (no exact equivalent)
lenticular square	Rounded beads, Group IV – lenticular with a slightly square perimeter (no exact equivalent)
plano-convex	Rounded beads, Group V plano-convex, V.C.2.b
lens or axe head	no real equivalent
conical	C.2.d. – standard truncated cone
rectangular	Group X – rectangular (no exact equivalent found)
rectangular double perforation	Group X – rectangular with type IX corner double perforations (no exact equivalent)
trapezoid	Group VIII – triangular (no exact equivalent)
collared butterfly	B.13 collared butterfly pendant (no exact equivalent)
butterfly heart	B.13 butterfly pendant (no exact equivalent)
naturally or manually perforated pebble	irregular (no equivalent found)
pendant, off centred perforation	Pendant (many types)

Table A3.1.11. Stone bead types at Çatalhöyük converted into the Beck typology

	disc	ring	cylindrical barrel	rounded barrel	barrel disc	barrel ring	cylindrical	double concave disc	round	long elliptical	lenticular	lenticular concave	lenticular square	plano-convex	axe head	conical	rectangular	rectangular double perforation	trapezoid	collared butterfly	butterfly heart	pendant	perforated pebble	indeterminate	TOTAL	TOTAL %
S181 South.G (n=76)	1.5	42																						3.75	47.25	5.2%
B23 South.J (n=23)	3	10.5																						1	14.5	1.6%
B18 South.J (n=28)		23.5																							23.5	2.6%
B17 South.K (n=55)		35.5																						1	36.5	4.0%
B16 South.K (n=10)	0.5	6.75																							7.25	0.8%
B22 South.K (n=0)																									0	0.0%
B43 South.L (n=485)	106.75	293.25					16.75								14.5					1				9.25	441.5	48.9%
B6 South.L (n=42)	22.5	11																						2	35.5	3.9%
B50 South.?M (n=20)	10	3.5		1			1				1		1	1										0.25	18.75	2.1%
S168 South.?M (n=11)	4.5	6																							10.5	1.2%
S169 South.?M (n=0)																									0	0.0%
S105 South.?M (n=0)																									0	0.0%
South.N (n=0)																									0	0.0%
South.O (n=0)																									0	0.0%
B75 South.P (n=19)	3.75	6	1		0.5		1	1								1							1		15.25	1.7%
S333 South.P (n=18)	3	9.5		1						0.5											0.5			0.25	14.75	1.6%
S329 South.P (n=32)	6.5	9.75	1		1			1				1				1								3.5	24.75	2.7%
S132 South.P (n=49)	19.5	19.5	3						2														1	1.75	46.75	5.2%
S140 South.P (n=0)																									0	0.0%
B68 South.Q (n=1)						1																			1	0.1%
B65 South.Q (n=26)	3.75	7.75			0.5		1	1												1				0.25	16.25	1.8%
S299/305 South.Q (n=21)	2.5	6.5		1			1	1		0.5								0.25					1	3	16.75	1.9%
S314 South.Q (n=12)	6	1.5						3																0.25	10.75	1.2%
S260 South.Q (n=22)	5.5	3.5				1		1			2		1										2	1.25	17.25	1.9%
B53 South.Q (n=20)	2	5.75			1						2							1					4	0.75	16.5	1.8%
S261 South.Q (n=4)	1	3																							4	0.4%
S259 South.R (n=5)	2	1.5																						0.25	3.75	0.4%
B42 South.R (n=15)		7																1				3		1	12	1.3%
B69 South.R (n=3)																								0.75	0.75	0.1%
B56 South.R (n=19)	3	3.5		1							0.25												9	2	18.75	2.1%
S339 South.R (n=13)	1	5.25				2					0.5													0.75	9.5	1.1%
B44 South.S (n=9)	2.25	1.5									1													1.25	6	0.7%
S129 South.S (n=12)	3				1	1	3			1													1		10	1.1%
S130 South.S (n=4)	1	2																					1		4	0.4%
S319 South.S (n=8)	1	1	1	1			1				0.5		1										1		7.5	0.8%
B10 South.T (n=1)		1																							1	0.1%
S119 South.T (n=6)	2	1.5						1	1		1					1						1			5.5	0.6%
S131 South.T (n=4)																									4	0.4%
TOTAL	217.5	529	6	5	4	5	25.75	9	3	2	8.25	1	3	1	14.5	3	0	2.25	0	2	0.5	4	22	34.25	902	100.0%
TOTAL %	24.1%	58.6%	0.7%	0.6%	0.4%	0.6%	2.9%	1.0%	0.3%	0.2%	0.9%	0.1%	0.3%	0.1%	1.6%	0.3%	0.0%	0.2%	0.0%	0.2%	0.1%	0.4%	2.4%	3.8%	100.0%	
TOTAL (without B43 burial)	110.75	235.75	6	5	4	5	9	9	3	2	8.25	1	3	1	0	3	0	2.25	0	1	0.5	4	22	25	460.5	
TOTAL % (without B43 burial)	24.0%	51.2%	1.3%	1.1%	0.9%	1.1%	2.0%	2.0%	0.7%	0.4%	1.8%	0.2%	0.7%	0.2%	0.0%	0.7%	0.0%	0.5%	0.0%	0.2%	0.1%	0.9%	4.8%	5.4%	100.0%	

Table A3.1.12. Distribution of bead types in the South area from South.G to South.T, with and without the large Building 43 burial (N=1073; QN=902)

	disc	ring	cylindrical barrel	rounded barrel	barrel disc	barrel ring	cylindrical	double concave disc	round	long elliptical	lenticular	lenticular concave	lenticular square	plano-convex	axe head	conical	rectangular	rectangular double perforation	trapezoid	collared butterfly	butterfly heart	pendant	perforated pebble	indeterminate	TOTAL	TOTAL %
B58 North.G (n=4)									3															0.25	3.25	0.8%
B59 North.G (n=3)		1				1																		0.25	2.25	0.5%
B52 North.G (n=0)																									0	0.0%
B64 North.G (n=46)		39.25																							39.25	9.5%
B51 North.G (n=0)																									0	0.0%
B49 North.G (n=270)	174.5	69			1											1								2.5	248	59.9%
B48 North.G (n=0)																									0	0.0%
B67 North.G (n=0)																									0	0.0%
B57 North.G (n=2)							0.25																	0.25	0.5	0.1%
B55 North.G (n=0)																									0	0.0%
B66 North.G (n=2)	2																								2	0.5%
S90 North.G (n=14)	4.5	1																						2	7.5	1.8%
B60 North.H (n=8)	2	2.5		1	1	1																			7.5	1.8%
B47 North.H (n=3)	1			1																					2	0.5%
B45 North.H (n=1)										0.5														0.25	0.75	0.2%
B54 North.H (n=2)	1	1																							2	0.5%
B46 North.H (n=0)																									0	0.0%
S279 North.I (n=79)	41.25	6.75		1.5	5		1	1	1		1						3		1			2	1	5.25	70.75	17.1%
S226 North.I (n=37)	14.25	6.5			1.5						3.5												2	0.5	28.25	6.8%
TOTAL	240.5	127	0	3.5	8.5	2	1.25	1	4	0.5	4.5	0	0	0	0	1	3	0	1	0	0	2	3	11.25	414	100.0%
TOTAL %	58.1%	30.7%	0.0%	0.8%	2.1%	0.5%	0.3%	0.2%	1.0%	0.1%	1.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.7%	0.0%	0.2%	0.0%	0.0%	0.5%	0.7%	2.7%	100.0%	

Table A3.1.13. Distribution of bead types in the North area, from North.G to North.I (N=471 ; QN=414)

	disc	ring	cylindrical barrel	rounded barrel	barrel disc	barrel ring	cylindrical	double concave disc	round	long elliptical	lenticular	lenticular concave	lenticular square	plano-convex	axe head	conical	rectangular	rectangular double perforation	trapezoid	collared butterfly	butterfly heart	pendant	perforated pebble	indeterminate	TOTAL	TOTAL %	
S181 South.G (n=76)	1.5	42																						3.75	47.25	3.6%	
B23 South.J (n=23)	3	10.5																						1	14.5	1.1%	
B18 South.J (n=28)		23.5																							23.5	1.8%	
B17 South.K (n=55)		35.5																					1	36.5	2.8%		
B16 South.K (n=10)	0.5	6.75																							7.25	0.6%	
B22 South.K (n=0)																									0	0.0%	
B43 South.L (n=485)	106.75	293.25					16.75								14.5					1				9.25	441.5	33.5%	
B6 South.L (n=42)	22.5	11																						2	35.5	2.7%	
B50 South.?M (n=20)	10	3.5		1			1				1		1	1										0.25	18.75	1.4%	
S168 South.?M (n=11)	4.5	6																							10.5	0.8%	
S169 South.?M (n=0)																									0	0.0%	
S105 South.?M (n=0)																									0	0.0%	
B75 South.P (n=19)	3.75	6	1		0.5		1	1								1							1		15.25	1.2%	
S333 South.P (n=18)	3	9.5		1						0.5											0.5			0.25	14.75	1.1%	
S329 South.P (n=32)	6.5	9.75	1		1			1				1				1								3.5	24.75	1.9%	
S132 South.P (n=49)	19.5	19.5	3						2														1	1.75	46.75	3.6%	
S140 South.P (n=0)																									0	0.0%	
B68 South.Q (n=1)						1																			1	0.1%	
B65 South.Q (n=26)	3.75	7.75			0.5		1	1												1			1	0.25	16.25	1.2%	
S299/305 South.Q (n=21)	2.5	6.5		1			1	1		0.5								0.25					1	3	16.75	1.3%	
S314 South.Q (n=12)	6	1.5						3																0.25	10.75	0.8%	
S260 South.Q (n=22)	5.5	3.5				1		1			2		1										2	1.25	17.25	1.3%	
B53 South.Q (n=20)	2	5.75			1						2							1					4	0.75	16.5	1.3%	
S261 South.Q (n=4)	1	3									2														4	0.3%	
S259 South.R (n=5)	2	1.5																						0.25	3.75	0.3%	
B42 South.R (n=15)		7																				3		1	12	0.9%	
B69 South.R (n=3)																								0.75	0.75	0.1%	
B56 South.R (n=19)	3	3.5		1							0.25												9	2	18.75	1.4%	
S339 South.R (n=13)	1	5.25				2					0.5													0.75	9.5	0.7%	
B44 South.S (n=9)	2.25	1.5									1													1.25	6	0.5%	
S129 South.S (n=12)	3				1	1	3			1													1		10	0.8%	
S130 South.S (n=4)	1	2																						1		4	0.3%
S319 South.S (n=8)	1	1	1	1			1				0.5		1										1		7.5	0.6%	
B10 South.T (n=1)		1																							1	0.1%	
S119 South.T (n=6)	2	1.5														1						1			5.5	0.4%	
S131 South.T (n=4)							1	1	1		1														4	0.3%	
B58 North.G (n=4)									3															0.25	3.25	0.2%	
B59 North.G (n=3)		1				1																		0.25	2.25	0.2%	
B52 North.G (n=0)																									0	0.0%	
B64 North.G (n=46)		39.25																							39.25	3.0%	
B51 North.G (n=0)																									0	0.0%	
B49 North.G (n=270)	174.5	69			1											1								2.5	248	18.8%	
B48 North.G (n=0)																									0	0.0%	
B67 North.G (n=0)																									0	0.0%	
B57 North.G (n=2)							0.25																	0.25	0.5	0.0%	
B55 North.G (n=0)																									0	0.0%	
B66 North.G (n=2)	2																								2	0.2%	
S90 North.G (n=14)	4.5	1																						2	7.5	0.6%	
B60 North.H (n=8)	2	2.5			1	1																			7.5	0.6%	
B47 North.H (n=3)	1			1																					2	0.2%	
B45 North.H (n=1)										0.5														0.25	0.75	0.1%	
B54 North.H (n=2)	1	1																							2	0.2%	
B46 North.H (n=0)																									0	0.0%	
S279 North.I (n=79)	41.25	6.75		1.5	5		1	1	1		1						3		1			2	1	5.25	70.75	5.4%	
S226 North.I (n=37)	14.25	6.5			1.5						3.5												2	0.5	28.25	2.1%	
TOTAL	458	656	6	8.5	12.5	7	27	10	7	2.5	12.75	1	3	1	14.5	4	3	2.25	1	2	0.5	6	25	45.5	1316	100.0%	
TOTAL %	34.8%	49.8%	0.5%	0.6%	0.9%	0.5%	2.1%	0.8%	0.5%	0.2%	1.0%	0.1%	0.2%	0.1%	1.1%	0.3%	0.2%	0.2%	0.1%	0.2%	0.0%	0.5%	1.9%	3.5%	100.0%		

Table A3.1.14. Distribution of bead types over the span of the Neolithic from both the South and North areas (QN=1316; N=1544)

	disc	ring	cylindrical barrel	rounded barrel	barrel disc	barrel ring	cylindrical	double concave disc	round	long elliptical	lenticular	lenticular concave	lenticular square	plano-convex	axe head	conical	rectangular	rectangular double perforation	trapezoid	collared butterfly	butterfly heart	pendant	perforated pebble	indeterminate	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
South.G (n=76)	1.5	42																						3.75	47.25	3.6%	2	4%
South.J (n=51)	3	44																						1	48	3.6%	2	4%
South.K (n=65)	0.5	42.25																						1	43.75	3.3%	2	5%
South.L (n=527)	129.25	304.25					16.75								14.5					1				11.25	477	35.9%	5	1%
South.?M (n=31)	14.5	9.5		1			1				1	1	1	1										0.25	30.25	2.3%	8	26%
South.N (n=0)																									0	0.0%	0	0%
South.O (n=0)																									0	0.0%	0	0%
South.P (n=118)	32.75	44.75	5	1	1.5		1	2	2	0.5	1					2					0.5		2	5.5	101.5	7.6%	13	13%
South.Q (n=104)	20.75	28		1	1.5	2	2	6		0.5	4		1					1.25		1			8	5.5	82.5	6.2%	13	16%
South.R (n=55)	6	17.25		1		2					0.75							1				3	9	4.75	44.75	3.4%	8	18%
South.S (n=33)	7.25	4.5	1	1	1	1	4			1	1.5		1									3	1.25	27.5	2.1%	11	40%	
South.T (n=11)	2	2.5					1	1	1		1					1					1				10.5	0.8%	8	76%
North.G (n=341)	181	110.25			1	1	0.25		3							1								5.25	302.75	22.8%	7	2%
North.H (n=14)	4	3.5		2	1	1				0.5														0.25	12.25	0.9%	6	49%
North.I (n=116)	55.5	13.25		1.5	6.5		1	1	1		4.5						3		1			2	3	5.75	99	7.5%	12	12%
TOTAL	458	666	6	8.5	12.5	7	27	10	7	2.5	13.75	1	3	1	14.5	4	3	2.25	1	2	0.5	6	25	45.5	1327	100.0%		
TOTAL %	34.5%	50.2%	0.5%	0.6%	0.9%	0.5%	2.0%	0.8%	0.5%	0.2%	1.0%	0.1%	0.2%	0.1%	1.1%	0.3%	0.2%	0.2%	0.1%	0.2%	0.0%	0.5%	1.9%	3.4%	100.0%			

Table A3.1.15. Distribution and variability of bead types within settlement phases from the North and South areas (QN=132; N=1542)

	disc	ring	cylindrical barrel	rounded barrel	barrel disc	barrel ring	cylindrical	double concave disc	round	long elliptical	lenticular	lenticular concave	lenticular square	plano-convex	axe head	conical	rectangular	rectangular double perforation	trapezoid	collared butterfly	butterfly heart	pendant	perforated pebble	indeterminate	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
soft saccharoidal marble	116.25	5		1	1		10.25								7							1	0.5	142	10.9%	7	5%	
serpentine	137	54.75	3		2	2	13.75	1	1		1		1	1	6.5					1			0.5	4	229.5	17.6%	14	6%
steatite	46.5	77.25		1	6	1	4	8			0.5					1	2		1			3	2.5	153.75	11.8%	12	8%	
phyllite	87	93.25																					1.75	182	13.9%	2	1%	
soft limestone	19.5	312																					2	3.5	337	25.8%	3	1%
carnelian	0.25			1	2						1										1			3.25	0.2%	5	154%	
fluorapatite					1.5	0.25	0.5		1	2.5	5						1	2.25					2.5	16.5	1.3%	8	48%	
hematite																						2		2	0.2%	1	50%	
galena		0.5														0.5							0.25	1.25	0.1%	2	160%	
hard limestone/soft marble	28	34.75				1	1									2							2	3.25	72	5.5%	6	8%
freshwater limestone																							19	3	22	1.7%	1	5%
travertine	1	1.5		2							1.25												2	7.75	0.6%	5	65%	
tufa	4.5	49.25																					0.25	1.75	55.75	4.3%	3	5%
calcite	4.5	5				1			1		1	1	1											14.5	1.1%	7	48%	
limestone pebble																							5	5	0.4%	1	20%	
metabasalt	28	2																						30	2.3%	2	7%	
barite																0.5							0.25	0.75	0.1%	1	133%	
turquoise				1	2	1			3															7	0.5%	4	57%	
gypsum		0.25			0.5						1														1.75	0.1%	3	171%
chert																							0.5	0.5	0.0%	0	0%	
shale	3	1.5						1															0.5	6	0.5%	3	50%	
quartz/quartz vein	0.5																							0.5	0.0%	1	200%	
diorite		0.5																						0.5	0.0%	1	200%	
natural metal minerals																				1			1.25	2.25	0.2%	1	44%	
biotite																							1	1	0.1%	0	0%	
meerscham			1																					1	0.1%	1	100%	
slicified limestone																							1	1	0.1%	0	0%	
marl				0.5																				0.5	0.0%	1	200%	
unknown	1.25	1.75	2						1		2												1	1.5	10.5	0.8%	6	57%
TOTAL	477.25	639.25	6	6	14.5	6.25	29.5	10	7	2.5	12.25	1	2	1	13.5	4	3	2.25	1	2	0.5	6	31.75	29	1307.5	100.0%		
TOTAL %	36.5%	48.9%	0.5%	0.5%	1.1%	0.5%	2.3%	0.8%	0.5%	0.2%	0.9%	0.1%	0.2%	0.1%	1.0%	0.3%	0.2%	0.2%	0.1%	0.2%	0.0%	0.5%	2.4%	2.2%	100.0%			

Table A3.1.16. Distribution and variability of of bead types within raw material categories from the North and South areas (QN=1307.5)

	floors	skeletons	caches, clusters, & placed deposits	external middens	pit, post, and bin fill	burial fill	external activity areas	TOTAL	TOTAL %
disc	17.25	131.75	2.25	115	5	188.75	3.5	463.5	35.0%
ring	83	148.5	8.25	115	50.5	250.75	6	662	50.0%
cylindrical barrel			1	4			1	6	0.5%
rounded barrel	0.5	1		4		1		6.5	0.5%
barrel disc	1	1	0.5	10.75		2.5	1	16.75	1.3%
barrel ring	1				1	1	1	4	0.3%
cylindrical	1	17.75		7	0.25	1.5		27.5	2.1%
double concave disc	2			6			2	10	0.8%
round			3	4				7	0.5%
long elliptical	0.5			2				2.5	0.2%
lenticular	0.5	3		9.75			0.5	13.75	1.0%
lenticular concave				1				1	0.1%
lenticular square		1		2				3	0.2%
plano-convex		1						1	0.1%
axe head		14.5						14.5	1.1%
conical	1			2		1		4	0.3%
rectangular				3				3	0.2%
rectangular double perforation	0.25	2						2.25	0.2%
trapezoid				1				1	0.1%
collared butterfly		1				1		2	0.2%
butterfly heart				0.5				0.5	0.0%
pendant		2		3		1		6	0.5%
perforated pebble			15	15				30	2.3%
indeterminate	8.75	1.75		13.5	2	10.5	0.25	36.75	2.8%
TOTAL	116.75	326.25	30	318.5	58.75	459	15.25	1324.5	100.0%
TOTAL %	8.8%	24.6%	2.3%	24.0%	4.4%	34.7%	1.2%	100.0%	
NUMBER OF VARIANTS	11	12	6	18	4	9	7		
VARIABILITY INDEX %	9%	4%	20%	6%	7%	2%	46%		
TOTAL (variant bead types only)	7.75	44.25	4.5	60	1.25	9	5.5	132.25	
TOTAL % (variant bead types only)	5.9%	33.5%	3.4%	45.4%	0.9%	6.8%	4.2%	100.0%	
TOTAL NUMBER OF VARIANTS (variant bead types)	9	10	3	15	2	7	5		
VARIABILITY INDEX % (variant bead types)	116%	23%	67%	25%	160%	78%	91%		

Table A3.1.17. Distribution of all bead types and only variant bead types according to context; and variability of bead types within context categories (N=1560; QN=1324.5)

	white	black	black with green	dark grey/black	light to dark brown	light to medium grey	grey/green	brown/green	green	pale to dark blue	blue/green	pale green	brown/black or brown/grey	dark red/brown	red	pale pink/brown	pink/brown	beige/pale pink	yellow	orange	metallic	beige	beige/brown/green/black	TOTAL	TOTAL %
S181 South.G (n=93)	3.25			13.25	2	3.5	3.25						1.5	11.25		3	8.5	5				1		55.5	5.8%
B23 South.J (n=25)	1.5	1	1	7	0.5	1								1.5		0.5	1					1	16	1.7%	
B18 South.J (n=34)	2.5			17.5		1								3		0.5	2	0.25					1	27.75	2.9%
B17 South.K (n=61)	2.5	0.25		16.75		1		1						8.75		0.75	1.5				1.75	2.5	36.75	3.9%	
B16 South.K (n=10)	1.5			1.5		1	1	1						1.25										7.25	0.8%
B22 South.K (n=0)																								0	0.0%
B43 South.L (n=485)	124.75		16															300.75						441.5	46.3%
B6 South.L (n=42)	1.5	2	20	5										4.75			2.75	0.5						36.5	3.8%
B50 South.?M (n=20)	6	1	1						3					0.25		6.5	1							18.75	2.0%
S168 South.?M (n=11)	5.5						2											2				1		10.5	1.1%
S169 South.?M (n=0)																								0	0.0%
S105 South.?M (n=0)																								0	0.0%
B75 South.P (n=33)		3.5	2.5	1	1		1	1	1.5	0.5	3	3	1	4		1.5			0.125	0.125		1	0.5	26.25	2.8%
S333 South.P (n=20)	2.5	0.75	1.5	1.5		1.25	0.5	2		0.75	0.5	0.5	3	0.5									1	16.25	1.7%
S329 South.P (n=50)	3.25	7	2	6	2	1	0.5		0.25		0.25	0.25	3.25	7.5		0.5			1		0.5	0.5		35.75	3.7%
S132 South.P (n=51)		1.5	5	27	2	2.25	1	0.5	1		1	1	5.5	1		1								49.75	5.2%
S140 South.P (n=0)																								0	0.0%
B68 South.Q (n=1)														1										1	0.1%
B65 South.Q (n=31)		8.75	2.5		1		2	1	1	0.75					1.5					0.5		1		20	2.1%
S299/305 South.Q (n=22)	1	2	4	1	1		1	1		1				3.5										15.5	1.6%
S314 South.Q (n=13)		4.25	3	1		0.5			0.5					1										10.25	1.1%
S260 South.Q (n=22)	2.75		3.5	2	2.5	0.5		1		1				1			0.25			1		1.5		17	1.8%
B53 South.Q (n=20)	2.5		2	3.75		2			0.5	2		1	1				1.25					1.5		17.5	1.8%
S261 South.Q (n=5)			3		1						1	1									2			8	0.8%
S259 South.R (n=6)	1	1	1.5			1					0.25	0.25												5	0.5%
B42 South.R (n=16)	1	2	1							1	1	1		1		1	3							12	1.3%
B69 South.R (n=3)											0.25	0.25										0.5		1	0.1%
B56 South.R (n=21)	9	2.5		1	0.5	0.5	2			0.25	1	1	1									1		19.75	2.1%
S339 South.R (n=13)	3	0.5	2		0.25			1		0.75				0.75										8.25	0.9%
B44 South.S (n=11)		2.125	1	0.75		0.125	0.5			0.5					0.25						0.25	0.5		6	0.6%
S129 South.S (n=13)	1.25	2	2		0.5			1		1.75	1	1		1						0.5		1.5		13.5	1.4%
S130 South.S (n=4)		0.5	2																			1.5		4	0.4%
S319 South.S (n=8)		2	1		1		1			0.5												1		6.5	0.7%
B10 South.T (n=1)			1																					1	0.1%
S119 South.T (n=6)	1.25	2						2									0.25							5.5	0.6%
S131 South.T (n=4)	0.5	0.5	1		0.5					1.5														4	0.4%
TOTAL	178	47.125	79.5	106	15.75	16.625	15.75	12.5	7.75	12.25	10.25	10.25	15.25	53	1.75	15.25	21.5	308.5	1.125	2.125	2.75	15.25	6	954.25	100.0%
TOTAL %	18.7%	4.9%	8.3%	11.1%	1.7%	1.7%	1.7%	1.3%	0.8%	1.3%	1.1%	1.1%	1.6%	5.6%	0.2%	1.6%	2.3%	32.3%	0.1%	0.2%	0.3%	1.6%	0.6%	100.0%	
TOTAL (without B43 burial)	53.25	47.125	63.5	106	15.75	16.625	15.75	12.5	7.75	12.25	10.25	10.25	15.25	53	1.75	15.25	21.5	7.75	1.125	2.125	2.75	15.25	6	512.75	
TOTAL % (without B43 burial)	10.4%	9.2%	12.4%	20.7%	3.1%	3.2%	3.1%	2.4%	1.5%	2.4%	2.0%	2.0%	3.0%	10.3%	0.3%	3.0%	4.2%	1.5%	0.2%	0.4%	0.5%	3.0%	1.2%	100.0%	

Table A3.1.20. Distribution of colours (detailed) in the South area, with and without the large Building 43 burial (N=1151; QN=954.25)

	whites to beiges	blacks	browns	greys	greens	blues	reds to pinks	yellow	orange	metallic	TOTAL	TOTAL %
S181 South.G (n=93)	4.25	13.25	3.5	6.75			27.75				55.5	5.8%
B23 South.J (n=25)	2.5	9	0.5	1			3				16	1.7%
B18 South.J (n=34)	3.5	17.5		1			5.75				27.75	2.9%
B17 South.K (n=61)	6.75	17	1	1			11				36.75	3.9%
B16 South.K (n=10)	1.5	1.5	1	2			1.25				7.25	0.8%
B22 South.K (n=0)											0	0.0%
B43 South.L (n=485)	124.8	16					300.75				441.55	46.3%
B6 South.L (n=42)	1.5	27					8				36.5	3.8%
B50 South.?M (n=20)	6	2			3		7.75				18.75	2.0%
S168 South.?M (n=11)	6.5			2			2				10.5	1.1%
S169 South.?M (n=0)											0	0.0%
S105 South.?M (n=0)											0	0.0%
B75 South.P (n=33)	1.5	7	3	1	4.5	3.5	5.5	0.125	0.125		26.25	2.8%
S333 South.P (n=20)	3.5	3.75	5	1.75	0.5	1.25	0.5				16.25	1.7%
S329 South.P (n=50)	3.75	15	5.25	1.5	0.5	0.25	8	1		0.5	35.75	3.7%
S132 South.P (n=51)		33.5	8	3.25	2	1	2				49.75	5.2%
S140 South.P (n=0)											0	0.0%
B68 South.Q (n=1)							1				1	0.1%
B65 South.Q (n=31)	1	11.25	2	2	1	0.75	1.5		0.5		20	2.1%
S299/305 South.Q (n=22)	1	7	2	1		1	3.5				15.5	1.6%
S314 South.Q (n=13)		8.25		0.5	0.5		1				10.25	1.1%
S260 South.Q (n=22)	4.25	5.5	3.5	0.5		1	1.25		1		17	1.8%
B53 South.Q (n=20)	4	5.75		2	1.5	3	1.25				17.5	1.8%
S261 South.Q (n=5)		3	1		1	1				2	8	0.8%
S259 South.R (n=6)	1	2.5		1	0.25	0.25					5	0.5%
B42 South.R (n=16)	1	3			1	2	5				12	1.3%
B69 South.R (n=3)	0.5				0.25	0.25					1	0.1%
B56 South.R (n=21)	10	3.5	1.5	2.5	1	1.25					19.75	2.1%
S339 South.R (n=13)	3	2.5	1.25			0.75	0.75				8.25	0.9%
B44 South.S (n=11)	0.5	3.875		0.625		0.5	0.25			0.25	6	0.6%
S129 South.S (n=13)	2.75	4	1.5		1	2.75	1		0.5		13.5	1.4%
S130 South.S (n=4)	1.5	2.5									4	0.4%
S319 South.S (n=8)	1	3	1	1		0.5					6.5	0.7%
B10 South.T (n=1)		1									1	0.1%
S119 South.T (n=6)	1.25	2	2				0.25				5.5	0.6%
S131 South.T (n=4)	0.5	1.5	0.5			1.5					4	0.4%
TOTAL	199.3	232.625	43.5	32.375	18	22.5	400	1.125	2.125	2.75	954.3	100.0%
TOTAL%	20.9%	24.4%	4.6%	3.4%	1.9%	2.4%	41.9%	0.1%	0.2%	0.3%	100.0%	
TOTAL (without B43 burial)	74.5	216.625	43.5	32.375	18	22.5	99.25	1.125	2.125	2.75	512.75	
TOTAL % (without B43 burial)	14.5%	42.2%	8.5%	6.3%	3.5%	4.4%	19.4%	0.2%	0.4%	0.5%	100.0%	

Table A3.1.21. Distribution of colours (summarized) in the South area, with and without the large Building 43 burial (N=1151; QN=954.25)

	white	black	black with green	dark grey/black	light to dark brown	light to medium grey	grey/green	brown/green	green	pale to dark blue	blue/green	pale green	brown/black or brown/grey	dark red/brown	red	pale pink/brown	pink/brown	beige/pale pink	yellow	orange	metallic	beige	beige/brown/green/black	TOTAL	TOTAL %
B58 North.G (n=6)		0.5					0.25			3		1									0.5			5.25	1.2%
B59 North.G (n=3)	2															0.25								2.25	0.5%
B52 North.G (n=0)																								0	0.0%
B64 North.G (n=46)																39.25								39.25	9.0%
B51 North.G (n=0)																								0	0.0%
B49 North.G (n=270)	3.25	34.25	97.75	22.25		0.5	4		33.5				44.5	3.25		1	3.5				0.25			248	57.1%
B48 North.G (n=0)																								0	0.0%
B67 North.G (n=0)																								0	0.0%
B57 North.G (n=2)	0.25									0.25														0.5	0.1%
B55 North.G (n=0)																								0	0.0%
B66 North.G (n=2)	1																						1	2	0.5%
S90 North.G (n=14)					1		1									5.5								7.5	1.7%
B60 North.H (n=8)							1				3					1.5		2						7.5	1.7%
B47 North.H (n=3)	2.75	1							1.5											0.5				5.75	1.3%
B45 North.H (n=1)										0.5														0.5	0.1%
B54 North.H (n=2)		2																						2	0.5%
B46 North.H (n=0)																								0	0.0%
S279 North.I (n=89)	5	12.5	8.5	0.25	3	2	6.5	5.5	9.25	3.75		1.5		1		1	1.5	0.75	1	1.25		11	2	77.25	17.8%
S226 North.I (n=43)	4.5	10.25	2	2.25	2		0.25	1	3.5	1.5	1	3	1				1				0.5	2.5		36.25	8.4%
TOTAL	18.75	60.5	108.25	24.75	6	2.5	13	6.5	47.75	9	4	5.5	45.5	4.25	0	48.5	6	2.75	1	1.75	1.25	13.5	3	434	100.0%
TOTAL %	4.3%	13.9%	24.9%	5.7%	1.4%	0.6%	3.0%	1.5%	11.0%	2.1%	0.9%	1.3%	10.5%	1.0%	0.0%	11.2%	1.4%	0.6%	0.2%	0.4%	0.3%	3.1%	0.7%	100.0%	

Table A3.1.22. Distribution of colours (detailed) in the North area (N=491; QN=434)

	whites to beiges	blacks	browns	greys	greens	blues	reds to pinks	yellow	orange	metallic	TOTAL	TOTAL %
B58 North.G (n=6)		0.5		0.25	1	3				0.5	5.25	1.2%
B59 North.G (n=3)	2						0.25				2.25	0.5%
B52 North.G (n=0)											0	0.0%
B64 North.G (n=46)							39.25				39.25	9.2%
B51 North.G (n=0)											0	0.0%
B49 North.G (n=270)	3.25	154.25	44.5	4.5	33.5		7.75			0.25	248	58.4%
B48 North.G (n=0)											0	0.0%
B67 North.G (n=0)											0	0.0%
B57 North.G (n=2)	0.25					0.25					0.5	0.1%
B55 North.G (n=0)											0	0.0%
B66 North.G (n=2)	2										2	0.5%
S90 North.G (n=14)			1	1			5.5				7.5	1.8%
B60 North.H (n=8)				1		3	3.5				7.5	1.8%
B47 North.H (n=3)	2.75	1			1.5				0.5		5.75	1.4%
B45 North.H (n=1)						0.5					0.5	0.1%
B54 North.H (n=2)		2									2	0.5%
B46 North.H (n=0)											0	0.0%
S279 North.I (n=91)	18	21.25	8.5	8.5	1.75	3.75	4.25	1	1.25		68.25	16.1%
S226 North.I (n=43)	7	14.5	4	0.25	6.5	2.5	1			0.5	36.25	8.5%
TOTAL	35.25	193.5	58	15.5	44.25	13	61.5	1	1.75	1.25	425	100.0%
TOTAL %	8.3%	45.5%	13.6%	3.6%	10.4%	3.1%	14.5%	0.2%	0.4%	0.3%	100.0%	

Table A3.1.23. Distribution of colours (summarized) in the North area (N=491; QN=434)

	white	black	black with green	dark grey/black	light to dark brown	light to medium grey	grey/green	brown/green	green	pale to dark blue	blue/green	pale green	brown/black or brown/grey	dark red/brown	red	pale pink/brown	pink/brown	beige/pale pink	yellow	orange	metallic	beige	beige/brown/green/black	TOTAL	TOTAL %
S181 South.G (n=93)	3.25			13.25	2	3.5	3.25						1.5	11.25		3	8.5	5				1		55.5	4.0%
B23 South.J (n=25)	1.5	1	1	7	0.5	1								1.5		0.5	1						1	16	1.2%
B18 South.J (n=34)	2.5			17.5		1								3		0.5	2	0.25					1	27.75	2.0%
B17 South.K (n=61)	2.5	0.25		16.75		1		1						8.75		0.75	1.5					1.75	2.5	36.75	2.6%
B16 South.K (n=10)	1.5			1.5		1	1	1						1.25										7.25	0.5%
B22 South.K (n=0)																								0	0.0%
B43 South.L (n=485)	124.75		16														300.75							441.5	31.8%
B6 South.L (n=42)	1.5	2	20	5										4.75		2.75	0.5							36.5	2.6%
B50 South.?M (n=20)	6	1	1						3					0.25		6.5	1							18.75	1.4%
S168 South.?M (n=11)	5.5						2											2				1		10.5	0.8%
S169 South.?M (n=0)																								0	0.0%
S105 South.?M (n=0)																								0	0.0%
B75 South.P (n=33)		3.5	2.5	1	1		1	1	1.5	0.5	3	3	1	4		1.5			0.125	0.125		1	0.5	26.25	1.9%
S333 South.P (n=20)	2.5	0.75	1.5	1.5		1.25	0.5	2		0.75	0.5	0.5	3	0.5									1	16.25	1.2%
S329 South.P (n=50)	3.25	7	2	6	2	1	0.5		0.25		0.25	0.25	3.25	7.5		0.5			1		0.5	0.5		35.75	2.6%
S132 South.P (n=51)		1.5	5	27	2	2.25	1	0.5	1			1	5.5	1		1								49.75	3.6%
S140 South.P (n=0)																								0	0.0%
B68 South.Q (n=1)														1										1	0.1%
B65 South.Q (n=31)		8.75	2.5		1		2	1	1	0.75					1.5					0.5		1		20	1.4%
S299/305 South.Q (n=22)	1	2	4	1	1		1	1		1				3.5										15.5	1.1%
S314 South.Q (n=13)		4.25	3	1		0.5			0.5					1										10.25	0.7%
S260 South.Q (n=22)	2.75		3.5	2	2.5	0.5		1		1				1			0.25			1		1.5		17	1.2%
B53 South.Q (n=20)	2.5		2	3.75		2		0.5	2	1	1						1.25					1.5		17.5	1.3%
S261 South.Q (n=5)			3		1						1	1									2			8	0.6%
S259 South.R (n=6)	1	1	1.5			1				0.25	0.25													5	0.4%
B42 South.R (n=16)	1	2	1							1	1	1		1		1	3							12	0.9%
B69 South.R (n=3)										0.25	0.25											0.5		1	0.1%
B56 South.R (n=21)	9	2.5		1	0.5	0.5	2			0.25	1	1	1									1		19.75	1.4%
S339 South.R (n=13)	3	0.5	2		0.25			1		0.75				0.75										8.25	0.6%
B44 South.S (n=11)		2.125	1	0.75		0.125	0.5			0.5					0.25						0.25	0.5		6	0.4%
S129 South.S (n=13)	1.25	2	2		0.5			1		1.75	1	1		1						0.5		1.5		13.5	1.0%
S130 South.S (n=4)		0.5	2																			1.5		4	0.3%
S319 South.S (n=8)		2	1		1		1			0.5												1		6.5	0.5%
B10 South.T (n=1)			1																					1	0.1%
S119 South.T (n=6)	1.25	2						2									0.25							5.5	0.4%
S131 South.T (n=4)	0.5	0.5	1		0.5					1.5														4	0.3%
B58 North.G (n=6)		0.5					0.25			3		1									0.5			5.25	0.4%
B59 North.G (n=3)	2															0.25								2.25	0.2%
B52 North.G (n=0)																								0	0.0%
B64 North.G (n=46)																39.25								39.25	2.8%
B51 North.G (n=0)																								0	0.0%
B49 North.G (n=270)	3.25	34.25	97.75	22.25		0.5	4		33.5				44.5	3.25		1	3.5				0.25			248	17.9%
B48 North.G (n=0)																								0	0.0%
B67 North.G (n=0)																								0	0.0%
B57 North.G (n=2)	0.25								0.25															0.5	0.0%
B55 North.G (n=0)																								0	0.0%
B66 North.G (n=2)	1																						1	2	0.1%
S90 North.G (n=14)					1		1								5.5									7.5	0.5%
B60 North.H (n=8)							1				3				1.5		2							7.5	0.5%
B47 North.H (n=3)	2.75	1							1.5											0.5				5.75	0.4%
B45 North.H (n=1)										0.5														0.5	0.0%
B54 North.H (n=2)		2																						2	0.1%
B46 North.H (n=0)																								0	0.0%
S279 North.I (n=91)	5	12.5	8.5	0.25	3	2	6.5	5.5	9.25	3.75		1.5		1		1	1.5	0.75	1	1.25		11	2	77.25	5.6%
S226 North.I (n=43)	4.5	10.25	2	2.25	2		0.25	1	3.5	1.5	1	3	1				1				0.5	2.5		36.25	2.6%
TOTAL	196.75	107.625	187.75	130.75	21.75	19.125	28.75	19	55.5	21.25	14.25	15.75	60.75	57.25	1.75	63.75	27.5	311.25	2.125	3.875	4	28.75	9	1388.25	100.0%
TOTAL %	14.2%	7.8%	13.5%	9.4%	1.6%	1.4%	2.1%	1.4%	4.0%	1.5%	1.0%	1.1%	4.4%	4.1%	0.1%	4.6%	2.0%	22.4%	0.2%	0.3%	0.3%	2.1%	0.6%	100.0%	

Table A3.1.24. Distribution of colour categories (detailed) in both the North and South areas (N=1646; QN=1388.25)

	whites to beiges	blacks	browns	greys	greens	blues	reds to pinks	yellow	orange	metallic	TOTAL
S181 South.G (n=93)	4.25	13.25	3.5	6.75			27.75				55.5
B23 South.J (n=25)	2.5	9	0.5	1			3				16
B18 South.J (n=34)	3.5	17.5		1			5.75				27.75
B17 South.K (n=61)	6.75	17	1	1			11				36.75
B16 South.K (n=10)	1.5	1.5	1	2			1.25				7.25
B22 South.K (n=0)											0
B43 South.L (n=485)	124.8	16					300.75				441.55
B6 South.L (n=42)	1.5	27					8				36.5
B50 South.?M (n=20)	6	2			3		7.75				18.75
S168 South.?M (n=11)	6.5			2			2				10.5
S169 South.?M (n=0)											0
S105 South.?M (n=0)											0
B75 South.P (n=33)	1.5	7	3	1	4.5	3.5	5.5	0.125	0.125		26.25
S333 South.P (n=20)	3.5	3.75	5	1.75	0.5	1.25	0.5				16.25
S329 South.P (n=50)	3.75	15	5.25	1.5	0.5	0.25	8	1		0.5	35.75
S132 South.P (n=51)		33.5	8	3.25	2	1	2				49.75
S140 South.P (n=0)											0
B68 South.Q (n=1)							1				1
B65 South.Q (n=31)	1	11.25	2	2	1	0.75	1.5		0.5		20
S299/305 South.Q (n=22)	1	7	2	1		1	3.5				15.5
S314 South.Q (n=13)		8.25		0.5	0.5		1				10.25
S260 South.Q (n=22)	4.25	5.5	3.5	0.5		1	1.25		1		17
B53 South.Q (n=20)	4	5.75		2	1.5	3	1.25				17.5
S261 South.Q (n=5)		3	1		1	1				2	8
S259 South.R (n=6)	1	2.5		1	0.25	0.25					5
B42 South.R (n=16)	1	3			1	2	5				12
B69 South.R (n=3)	0.5				0.25	0.25					1
B56 South.R (n=21)	10	3.5	1.5	2.5	1	1.25					19.75
S339 South.R (n=13)	3	2.5	1.25			0.75	0.75				8.25
B44 South.S (n=11)	0.5	3.875		0.625		0.5	0.25			0.25	6
S129 South.S (n=13)	2.75	4	1.5		1	2.75	1		0.5		13.5
S130 South.S (n=4)	1.5	2.5									4
S319 South.S (n=8)	1	3	1	1		0.5					6.5
B10 South.T (n=1)		1									1
S119 South.T (n=6)	1.25	2	2				0.25				5.5
S131 South.T (n=4)	0.5	1.5	0.5			1.5					4
B58 North.G (n=6)		0.5		0.25	1	3				0.5	5.25
B59 North.G (n=3)	2						0.25				2.25
B52 North.G (n=0)											0
B64 North.G (n=46)							39.25				39.25
B51 North.G (n=0)											0
B49 North.G (n=270)	3.25	154.25	44.5	4.5	33.5		7.75			0.25	248
B48 North.G (n=0)											0
B67 North.G (n=0)											0
B57 North.G (n=2)	0.25					0.25					0.5
B55 North.G (n=0)											0
B66 North.G (n=2)	2										2
S90 North.G (n=14)			1	1			5.5				7.5
B60 North.H (n=8)				1		3	3.5				7.5
B47 North.H (n=3)	2.75	1			1.5				0.5		5.75
B45 North.H (n=1)						0.5					0.5
B54 North.H (n=2)		2									2
B46 North.H (n=0)											0
S279 North.I (n=91)	18	21.25	8.5	8.5	1.75	3.75	4.25	1	1.25		68.25
S226 North.I (n=43)	7	14.5	4	0.25	6.5	2.5	1			0.5	36.25
TOTAL	234.55	426.125	101.5	47.875	62.25	35.5	461.5	2.125	3.875	4	1379.30
TOTAL %	17.0%	30.9%	7.4%	3.5%	4.5%	2.6%	33.5%	0.2%	0.3%	0.3%	100.0%

Table A3.1.25. Distribution of colour categories (summarized) in both the North and South areas (N=1646; QN=1379.30)

	whites to beiges	blacks	browns	greys	blues	greens	reds to pinks	yellows	oranges	metallics	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
South.G (n=93)	4.25	13.25	2.5	6.75			27.75				54.5	3.9%	5	9%
South.J (n=59)	6	26.5	0.5	2			14				49	3.5%	5	10%
South.K (n=71)	8.25	18.5	2	3			12.25				44	3.2%	5	11%
South.L (n=527)	126.25	43					308.75				478	34.5%	3	1%
South.?M (n=31)	12.5	2		2		3	9.75				29.25	2.1%	5	17%
South.N (n=0)											0	0.0%	0	0%
South.O (n=0)											0	0.0%	0	0%
North.G (n=343)	7.5	154.75	45.5	5.75	3.25	34.5	52.75			0.75	304.75	22.0%	8	3%
South.P (n=154)	8.75	59.25	21.25	7.5	1.25	7.5	16	1.125	0.125	0.5	123.25	8.9%	10	8%
North.H (n=14)	2.75	3		1	3.5	1.5	3.5		0.5		15.75	1.1%	7	44%
South.Q (n=114)	10.25	40.75	8.5	6	6	4	9.5		1.5	2	88.5	6.4%	9	10%
North.I (n=134)	25	35.75	12.5	8.75	6.25	17.25	5.25	1	1.25	0.5	113.5	8.2%	10	9%
South.R (n=59)	15.5	11.5	2.75	3.5	2	2.5	5.75				43.5	3.1%	7	16%
South.S (n=36)	5.75	13.375	2.5	1.625	3.25	1	1.25		0.5	0.25	29.5	2.1%	9	31%
South.T (n=11)	1.75	4.5	2.5		1.5		0.25				10.5	0.8%	5	48%
TOTAL	234.5	426.125	100.5	47.875	27	71.25	466.75	2.125	3.875	4	1384	100.0%		
TOTAL %	16.9%	30.8%	7.3%	3.5%	2.0%	5.1%	33.7%	0.2%	0.3%	0.3%	100.0%			

Table A3.1.26. Distribution of colours (summarized) by settlement phase and variability of colour groups within settlement phases (N=1646; QN=1384)

	whites to beiges	blacks	browns	greys	blues	greens	reds to pinks	yellows	oranges	metallics	TOTAL	TOTAL %
North.G (n=343)	7.5	154.75	45.5	5.75	3.25	34.5	52.75			0.75	304.75	41.8%
South.P (n=154)	8.75	59.25	21.25	7.5	1.25	7.5	16	1.125	0.125	0.5	123.25	16.9%
North.H (n=14)	2.75	3		1	3.5	1.5	3.5		0.5		15.75	2.2%
South.Q (n=114)	10.25	40.75	8.5	6	6	4	9.5		1.5	2	88.5	12.1%
North.I (n=134)	25	35.75	12.5	8.75	6.25	17.25	5.25	1	1.25	0.5	113.5	15.6%
South.R (n=59)	15.5	11.5	2.75	3.5	2	2.5	5.75				43.5	6.0%
South.S (n=36)	5.75	13.375	2.5	1.625	3.25	1	1.25		0.5	0.25	29.5	4.0%
South.T (n=11)	1.75	4.5	2.5		1.5		0.25				10.5	1.4%
TOTAL	77.25	322.875	95.5	34.125	27	68.25	94.25	2.125	3.875	4	729.25	100.0%
TOTAL %	10.6%	44.3%	13.1%	4.7%	3.7%	9.4%	12.9%	0.3%	0.5%	0.5%	100.0%	

Table A3.1.28. Distribution of colours (summarized) during the later Neolithic phases, North.G and South.P to North.I and South.T (N=865; QN=729.25)

	white	black	black with green	dark grey/black	light to dark brown	light to medium grey	grey/green	brown/green	green	pale to dark blue	blue/green	pale green	brown/black or brown/grey	dark red/brown	red	pale pink/brown	pink/brown	beige/pale pink	yellow	orange	metallic	beige	beige/brown/green/black	TOTAL	TOTAL %
North.G (n=343)	6.5	34.75	97.75	22.25	1	0.5	5.25		33.5	3.25		1	44.5	3.25		46	3.5				0.75		1	304.75	41.8%
South.P (n=154)	5.75	12.75	11	35.5	5	4.5	3	3.5	2.75	1.25		4.75	12.75	13		3			1.125	0.125	0.5	1.5	1.5	123.25	16.9%
North.H (n=14)	2.75	3					1		1.5	0.5	3					1.5		2		0.5				15.75	2.2%
South.Q (n=114)	6.25	15	18	7.75	5.5	3	3	3	2	4.75	1.25	2		6.5	1.5		1.5			1.5	2	4		88.5	12.1%
North.I (n=134)	9.5	22.75	10.5	2.5	5	2	6.75	6.5	12.75	5.25	1	4.5	1	1		1	2.5	0.75	1	1.25	0.5	13.5	2	113.5	15.6%
South.R (n=59)	14	6	4.5	1	0.75	1.5	2	1		2		2.5	1	1.75		1	3					1.5		43.5	6.0%
South.S (n=36)	1.25	6.625	6	0.75	1.5	0.125	1.5	1		2.25	1	1		1	0.25					0.5	0.25	4.5		29.5	4.0%
South.T (n=11)	1.75	2.5	2		0.5			2		1.5							0.25							10.5	1.4%
TOTAL	47.75	103.375	149.75	69.75	19.25	11.625	22.5	17	52.5	20.75	6.25	15.75	59.25	26.5	1.75	52.5	10.75	2.75	2.125	3.875	4	25	4.5	729.25	100.0%
TOTAL %	6.5%	14.2%	20.5%	9.6%	2.6%	1.6%	3.1%	2.3%	7.2%	2.8%	0.9%	2.2%	8.1%	3.6%	0.2%	7.2%	1.5%	0.4%	0.3%	0.5%	0.5%	3.4%	0.6%	100.0%	

Table A3.1.27. Distribution of colours (detailed) during the later Neolithic phases, North.G and South.P to North.I to South.T (N=865; QN=729.25)

	disc	ring	cylindrical barrel	rounded barrel	barrel disc	barrel ring	cylindrical	double concave disc	round	long elliptical	lenticular	lenticular concave	lenticular square	plano-convex	axe head	conical	rectangular	rectangular double perf	trapezoid	collared butterfly	butterfly heart	pendant	perforated pebble	TOTAL	TOTAL %
whites to beiges	140.25	29.25	1	3	1.5	2	11.25				3		1		8	2						1	26	229.25	17.7%
blacks	217.88	145.5	2.5	2	4	1	12.75	8.5	2				1		6.5	1	1			1		1	1	408.625	31.5%
browns	16	22.5	2.5		0.5	1	1	0.5		2.25							1					1	1	49.25	3.8%
greys	59.375	33.75		0.5			1	1												1		0.5	2	99.125	7.6%
greens	10	35.5			4	0.5	1		1		1			1				2	1					57	4.4%
blues	0.5	0.5		1	3.5	0.75	0.5		4	2.5	1	5	1					0.25						20.5	1.6%
reds to pinks	40	382.25				1										1					0.5			424.75	32.7%
yellow	0.125																					1		1.125	0.1%
orange	1.375	0.25		0.5	1.5						0.5	1												5.125	0.4%
metallic	0.25																					2		2.25	0.2%
TOTAL	485.75	649.5	6	7	15	6.25	27.5	10	7	2.5	7.75	6	3	1	14.5	4	2	2.25	1	2	0.5	6.5	30	1297	100.0%
TOTAL %	37.5%	50.1%	0.5%	0.5%	1.2%	0.5%	2.1%	0.8%	0.5%	0.2%	0.6%	0.5%	0.2%	0.1%	1.1%	0.3%	0.2%	0.2%	0.1%	0.2%	0.0%	0.5%	2.3%	100.0%	

Table A3.1.30. Distribution of bead types according to colour (summarized) (N=1449; QN=1297)

	disc	ring	cylindrical barrel	rounded barrel	barrel disc	barrel ring	cylindrical	double concave disc	round	long elliptical	lenticular	lenticular concave	lenticular square	plano-convex	axe head	conical	rectangular	rectangular double perf	trapezoid	collared butterfly	butterfly heart	pendant	perforated pebble	TOTAL	TOTAL %
white	132.75	21.5		2	1.5	1	11.25				1.5		1		8	1.5						1	1	184	14.2%
beige	5.5	5.75		1							1.5					0.5							25	39.25	3.0%
beige/brown/green	2	2	1			1																		6	0.5%
black	52.625	30.5	0.5	2	2		1	6.5	1							1						1		98.125	7.6%
black with green	122.5	36.75	2		2	1	11.75	1	1				1		6.5		1			1				187.5	14.5%
dark grey/black	42.75	78.25						1															1	123	9.5%
light to dark brown	3.5	8	2.5			1		0.5			0.75												1	17.25	1.3%
brown/green	8.5	6.5			0.5		1				0.5											1		18	1.4%
brown/black	4	8									1						1							14	1.1%
grey/brown	43.25	10.25																						53.5	4.1%
light to medium grey	4.625	11.5																					2	18.125	1.4%
grey/green	11.5	12		0.5			1	1												1	0.5			27.5	2.1%
green	8	35.5			3	0.5	1				1			1					1					51	3.9%
pale green	2				1				1									2						6	0.5%
pale to dark blue	0.5	0.5			1.5	0.25	0.5		4	2.5	1	5						0.25						16	1.2%
blue/green				1	2	0.5							1											4.5	0.3%
dark red/brown	4.5	33.25				1															0.5			39.25	3.0%
pale pink/brown	29.5	30.75														1								61.25	4.7%
pink to dark pink/brown	4	22.5																						26.5	2.0%
beige/pale pink	2	295.75																						297.75	23.0%
yellow	0.125																					1		1.125	0.1%
orange	1.375	0.25		0.5	1.5						0.5	1												5.125	0.4%
metallic	0.25																					2		2.25	0.2%
TOTAL	485.75	649.5	6	7	15	6.25	27.5	10	7	2.5	7.75	6	3	1	14.5	4	2	2.25	1	2	0.5	6.5	30	1297	100.0%
TOTAL %	37.5%	50.1%	0.5%	0.5%	1.2%	0.5%	2.1%	0.8%	0.5%	0.2%	0.6%	0.5%	0.2%	0.1%	1.1%	0.3%	0.2%	0.2%	0.1%	0.2%	0.0%	0.5%	2.3%	100.0%	

Table A3.1.29. Distribution of bead types according to colour (detailed) (N=1449; QN=1297)

	floors	skeletons	caches, clusters, & placed deposits	external middens	post, pit, and bin fill	burial fill	external activity areas and yards	TOTAL	TOTAL%
white	12.75	133	1	28.5	1.25	11	2	189.5	13.7%
black	9.25		2.625	43.75	3	42.75	1.5	102.875	7.4%
black with green	7	36	2	34.5	2	102.75	5.5	189.75	13.7%
dark grey/black	44.5		1	53.75	5	25.5	1	130.75	9.4%
light to dark brown	1.5			12.75	1.5	1	2	18.75	1.4%
light to medium grey	4		2.125	10.5	0.75	0.5	1.5	19.375	1.4%
grey/brown	1			1.5		43.5	2.5	48.5	3.5%
grey/green	3.75	2	2	12.25	1	6.5		27.5	2.0%
brown/green	1		2	16.5		1		20.5	1.5%
green	1.5	3	1	14.25		34.5	1	55.25	4.0%
pale to dark blue	2.5	2	3.5	11.75	0.25	1.5	0.5	22	1.6%
blue/green				3.25		2.5		5.75	0.4%
pale green	4.25	2		6.8	1		0.5	14.5	1.0%
brown/black	1			14	2	6		23	1.7%
dark red/brown	19.75			28	2.5	5.75	0.5	56.5	4.1%
red	0.25							0.25	0.0%
pale pink/brown	3.75		0.5	14.5	39.75	9.25		67.75	4.9%
pink to dark pink/brown	9.75		0.25	14.5		6.5		31	2.2%
beige/pale pink	0.75	146.25	1	2.25		157.5		307.75	22.2%
yellow	0.125			1				1.125	0.1%
orange	0.875			3.75		0.5		5.125	0.4%
metallic	0.25	2	0.5	1.5		0.25		4.5	0.3%
beige	3.25		12.5	17		3.5	0.25	36.5	2.6%
beige/brown/green	2		1	5				8	0.6%
TOTAL	134.75	326.25	33	351.5	60	462.25	18.75	1386.5	100.0%
TOTAL %	9.7%	23.5%	2.4%	25.4%	4.3%	33.3%	1.4%	100.0%	
NUMBER OF VARIANTS	23	8	15	23	12	20	12		
VARIABILITY INDEX %	17%	2%	45%	7%	20%	4%	64%		

Table A3.1.31. Distribution of colour (detailed) and percentage variability of colours within context categories (QN=1386.5)

	floors	skeletons	caches, clusters, & placed deposits	external middens	post, pit, and bin fill	burial fill	external activity areas and yards	TOTAL	TOTAL %
whites to beiges	18	133	14.5	50.5	1.25	14.5	2.25	234	16.9%
blacks	60.75	36	5.625	132	10	171	8	423.375	30.5%
browns	3.5		2	43.25	3.5	8	2	62.25	4.5%
greys	8.75	2	4.125	24.25	1.75	50.5	4	95.375	6.9%
greens	5.75	5	1	21.0	1	34.5	1.5	69.75	5.0%
blues	2.5	2	3.5	15	0.25	4	0.5	27.75	2.0%
reds to pinks	34.25	146.25	1.75	59.25	42.25	179	0.5	463.25	33.4%
yellow	0.125			1				1.125	0.1%
orange	0.875			3.75		0.5		5.125	0.4%
metallic	0.25	2	0.5	1.5		0.25		4.5	0.3%
TOTAL	134.75	326.25	33	351.5	60	462.25	18.75	1386.5	100.0%
TOTAL %	9.7%	23.5%	2.4%	25.4%	4.3%	33.3%	1.4%	100.0%	
NUMBER OF VARIANTS	10	7	8	10	7	9	7		
VARIABILITY INDEX %	7%	2%	24%	3%	12%	2%	37%		

Table A3.1.32. Distribution of colour (summarized) and variability within each context type (QN=1386.5)

	size 1	size 2	size 3	size 4	size 5	size 6	size 7	size 8	size 9	size 10	sizes 11 to 20	indeterminate	TOTAL	TOTAL %
S181 South.G (n=53)	12	8	1		1	1							23	2.7%
B23 South.J (n=18)	7	4.5	1.5										13	1.5%
B18 South.J (n=26)	12	9	2										23	2.7%
B17 South.K (n=45)	22	7	4										33	3.9%
B16 South.K (n=7)	3	3.5											6.5	0.8%
B22 South.K (n=0)													0	0.0%
B43 South.L (n=427)		290	57	59	5		3	11	1			0.5	426.5	50.7%
B6 South.L (n=40)	10	15	10									1	36	4.3%
B50 South.?M (n=29)	1	9.5	3		1		3	1					18.5	2.2%
S168 South.?M (n=11)		10.5											10.5	1.2%
S169 South.?M (n=0)													0	0.0%
S105 South.?M (n=0)													0	0.0%
South.N (n=0)													0	0.0%
South.O (n=0)													0	0.0%
B75 South.P (n=17)	4	5	3	1	1			1					15	1.8%
S333 South.P (n=17)	1	9.5	2	1			0.5				0.5		14.5	1.7%
S329 South.P (n=23)		11.5	5.5	1.5	1	1						0.5	21	2.5%
S132 South.P (n=48)	32	8.5	3	2				1					46.5	5.5%
S140 South.P (n=0)													0	0.0%
B68 South.Q (n=1)			1										1	0.1%
B65 South.Q (n=21)		10.5	4				1		1				16.5	2.0%
S299/305 South.Q (n=17)	1	5.5	4	1	1						1	1	14.5	1.7%
S314 South.Q (n=11)	6.5	3										1	10.5	1.2%
S260 South.Q (n=19)	1	5	2	1.5	2	1	1		2				15.5	1.8%
B53 South.Q (n=17)	1	4	3.5		1	1	2	1	1	1			15.5	1.8%
S261 South.Q (n=4)	2	2											4	0.5%
S259 South.R (n=4)		2.5			1								3.5	0.4%
B42 South.R (n=11)		7		1	1	2							11	1.3%
B69 South.R (n=0)													0	0.0%
B56 South.R (n=18)	1	3.5	2	1		1				9			17.5	2.1%
S339 South.R (n=8)	1	2	3.5	1									7.5	0.9%
B44 South.S (n=7)		0.5	2.5	0.5	1							0.5	5	0.6%
S129 South.S (n=12)			3	1.5	1	2	1	1	1			0.5	11	1.3%
S130 South.S (n=4)		2	1				1						4	0.5%
S319 South.S (n=8)		1	1.5	2	2						1		7.5	0.9%
B10 South.T (n=1)	1												1	0.1%
S119 South.T (n=6)		3.5			1						1		5.5	0.7%
S131 South.T (n=4)		1	3										4	0.5%
TOTAL	118.5	444.5	123	74	20	9	12.5	16	6	10	3.5	5	842	100.0%
TOTAL %	14.1%	52.8%	14.6%	8.8%	2.4%	1.1%	1.5%	1.9%	0.7%	1.2%	0.4%	0.6%	100.0%	
SOUTH EARLY TOTAL	67	357	78.5	59	7	1	6	12	1	0	0	1.5	590	
SOUTH LATE TOTAL	51.5	87.5	44.5	15	13	8	6.5	4	5	10	3.5	3.5	252	
SOUTH EARLY %	11%	61%	13%	10%	1%	0%	1%	2%	0%	0%	0%	0%	1	
SOUTH LATE %	20.4%	34.7%	17.7%	6.0%	5.2%	3.2%	2.6%	1.6%	2.0%	4.0%	1.4%	1.4%	1	
SOUTH EARLY TOTAL (without B43)	67	67	21.5	0	2	1	3	1	0	0	0	1	163.5	
SOUTH EARLY % (without B43)	41%	41%	13%	0%	1%	1%	2%	1%	0%	0%	0%	1%		

Table A3.1.34. Distribution of bead sizes in South area sample, within early phases, late phases, and with or without the large building 43 burial (QN=842; N=934)

	size 1	size 2	size 3	size 4	size 5	size 6	size 7	size 8	size 9	size 10	sizes 11 to 20	indeterminate	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
South.G (n=53)	12	8	1		1	1							23	1.9%	5	22%
South.J (n=44)	19	13.5	3.5										36	2.9%	3	8%
South.K (n=52)	25	10.5	4										39.5	3.2%	3	8%
South.L (n=467)	10	305	67	59	5		3	11	1			1.5	462.5	37.2%	9	2%
South.?M (n=40)	1	20	3		1		3	1					29	2.3%	6	21%
South.N (n=0)													0	0.0%	0	0%
South.O (n=0)													0	0.0%	0	0%
North.G (n=294)	85.5	199	5		1							0.5	291	23.4%	4	1%
North.P (n=105)	37	34.5	13.5	5.5	2	1	0.5	2			0.5	0.5	97	7.8%	9	9%
North.H (n=13)		7.5	2.5	1	0.5								11.5	0.9%	4	35%
South.Q (n=90)	11.5	30	14.5	2.5	4	2	4	1	4	1	1	2	77.5	6.2%	11	14%
South.R (n=41)	2	15	5.5	3	2	3				9			39.5	3.2%	7	18%
South.S (n=31)		3.5	8	4	4	2	2	1	1		1	1	27.5	2.2%	9	33%
South.T (n=11)	1	4.5	3		1						1		10.5	0.8%	5	48%
North.I (n=111)	1.5	12.25	35.5	14.5	14.5	4.5	4	4	2	1	3	1	97.75	7.9%	11	11%
TOTAL	205.5	663.25	166	89.5	36	13.5	16.5	20	8	11	6.5	6.5	1242.25	100.0%		
TOTAL %	16.5%	53.4%	13.4%	7.2%	2.9%	1.1%	1.3%	1.6%	0.6%	0.9%	0.5%	0.5%	100.0%			

Table A3.1.36. Distribution of bead sizes according to settlement phase and variability of bead sizes within settlement phases (QN=1242.25; N=1352)

	size 1	size 2	size 3	size 4	size 5	size 6	size 7	size 8	size 9	size 10	sizes 11 to 20	indeterminate	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
soft saccharoidal marble	1	5.5	62.5	60	3	1	2	6	1				142	11.2%	9	6%
serpentinite	97.5	70	25	5	10	1	4	7				2.5	222	17.5%	8	4%
steatite	7	72.75	38.5	10	8	4.5	3	3			3	1.5	151.25	11.9%	9	6%
phyllite	77.5	98.5	0.5										176.5	13.9%	3	2%
hard limestone/soft marble																
freshwater limestone	7	37	11	4	6				1			1	67	5.3%	6	9%
fluorapatite																
travertine		0.5	7.5	1	2	3	0.5		1			0.5	16	1.3%	7	44%
tufa		2.5		1	1				1				5.5	0.4%	4	73%
calcite	25.75	19	3.5	1									49.25	3.9%	4	8%
limestone pebble	2	2	5	1		2	1					0.5	13.5	1.1%	6	44%
metabasalt			1				3	1	1	1	1		8	0.6%	6	75%
carnelian		28	2										30	2.4%	2	7%
hematite			1.5		0.5						1		3	0.2%	3	100%
galena				1	1								2	0.2%	2	100%
barite			0.5										0.5	0.0%	1	200%
turquoise			0.5										0.5	0.0%	1	200%
gypsum		3	3	1									7	0.6%	3	43%
soft limestone					0.5			1					1.5	0.1%	2	133%
shale		334	2	1				1					338	26.6%	4	1%
quartz/quartz vein		1	2.5	2								0.5	6	0.5%	3	50%
diorite			0.5										0.5	0.0%	1	200%
natural metal minerals		1					1						1	0.1%	1	100%
meerschau				1									1	0.1%	1	100%
unknown	1.5	1	2	1	2						1		8.5	0.7%	6	71%
TOTAL	219.25	675.75	169	90	36	13.5	16.5	20	8	10	7	6.5	1271.5	100.0%		
TOTAL %	17.2%	53.1%	13.3%	7.1%	2.8%	1.1%	1.3%	1.6%	0.6%	0.8%	0.6%	0.5%	100.0%			

Table A3.1.37. Distribution of raw materials according to bead size and variability of bead sizes within different raw material categories (N=1354; QN=1271.5)

	size 1	size 2	size 3	size 4	size 5	size 6	size 7	size 8	size 9	size 10	sizes 11 to 20	indeterminate	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
disc	100	161.75	111	67	14	3	1	1				1.5	460.25	36.3%	8	2%
ring	116	501.5	20.5	3.5								0.5	642	50.6%	4	1%
cylindrical barrel			1	4	1								6	0.5%	3	50%
rounded barrel		1	2	1	0.5	0.5	1	1					7	0.6%	7	100%
barrel disc			7	3	3.5		1						14.5	1.1%	4	28%
barrel ring		2	2	1		1							6	0.5%	4	67%
cylindrical		0.5	8	6	6	1	1		1		1		24.5	1.9%	8	33%
double concave disc		1	6	2								1	10	0.8%	3	30%
round	1	1	4		1								7	0.6%	4	57%
long elliptical			1			1	1						3	0.2%	3	100%
lenticular			3	1	2			2	2		1.5	1	12.5	1.0%	6	48%
lenticular concave						1							1	0.1%	1	100%
lenticular square			1				2						3	0.2%	2	67%
plano-convex					1								1	0.1%	1	100%
axehead							2	11	1			0.5	14.5	1.1%	3	21%
conical		2	1		1								4	0.3%	3	75%
rectangular					1			1					2	0.2%	2	100%
rectangular double perforation						2							2	0.2%	1	50%
trapezoid					1								1	0.1%	1	100%
collared butterfly							2						2	0.2%	1	50%
butterfly heart											0.5		0.5	0.0%	1	200%
naturally or manually perforated pebble			2		2		5	3	3	11	2		28	2.2%	7	25%
pendant				1	1	1	1				2		6	0.5%	5	83%
indeterminate	1.5	3	0.5		1	2						2	10	0.8%		
TOTAL	218.5	673.75	170	89.5	36	12.5	17	19	7	11	7	6.5	1267.75	100.0%		
TOTAL %	17.2%	53.1%	13.4%	7.1%	2.8%	1.0%	1.3%	1.5%	0.6%	0.9%	0.6%	0.5%	100.0%			

Table A3.1.39. Distribution and variability of size categories within bead types (N=1351; QN=1267.75)

	size 1	size 2	size 3	size 4	size 5	size 6	size 7	size 8	size 9	size 10	sizes 11 to 20	TOTAL	TOTAL %
white	4.5	20.75	71.75	63.5	8	2	4	6		2		182.5	14.4%
beige	1.25	3	3.5	3	3.5	2	4	1	1	14	2	38.25	3.0%
beige/brown/green		3		2								5	0.4%
black	7	51	25.75	4.5		1.5	1	1				91.75	7.2%
black with green	86	52.25	19	6	11	1	3	7			1	186.25	14.7%
dark grey/black	71.5	43.75	4	0.5	1	1						121.75	9.6%
light to dark brown	1.75	4	5	2	1	1					1	15.75	1.2%
brown/green	2	5	7.5	2							1	17.5	1.4%
brown/black	3	8.25	1					1				13.25	1.0%
grey/brown	2.5	53.75			1							57.25	4.5%
light to medium grey	5	7	0.75			1		1		1		15.75	1.2%
grey/green	4	12	4.5		3	1	1				1	26.5	2.1%
green		35.25	5	1	4	3	3	1				52.25	4.1%
pale green			2.5	1		2						5.5	0.4%
pale to dark blue		2	8.5	1	2	1	0.5			1		16	1.3%
blue/green		1.5	2	1								4.5	0.4%
dark red/brown	19	15	1	1							0.5	36.5	2.9%
pale pink/brown	3	54										57	4.5%
pink to dark pink/brown	8	11.75	4									23.75	1.9%
pale pink/beige		295	1									296	23.3%
yellow												0	0.0%
orange		1	1.75		0.5	1					0.5	4.75	0.4%
metallic		0.25	0.25	1	1							2.5	0.2%
TOTAL	218.5	679.5	168.75	89.5	36	17.5	16.5	18	1	18	7	1270.25	100.0%
TOTAL %	17.2%	53.5%	13.3%	7.0%	2.8%	1.4%	1.3%	1.4%	0.1%	1.4%	0.6%	100.0%	

Table A3.1.40. Distribution of colour (detailed) according to bead size (N=1360; QN=1270.25)

	size 1	size 2	size 3	size 4	size 5	size 6	size 7	size 8	size 9	size 10	sizes 11 to 20	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
whites to beiges	5.75	26.75	75.25	68.5	11.5	4	8	7	1	16	2	225.75	17.8%	11	5%
blacks	164.5	147	48.75	11	12	3.5	4	8			1	399.75	31.5%	9	2%
browns	6.75	17.25	13.5	4	1	1		1			2	46.5	3.7%	8	17%
greys	11.5	72.75	5.25		4	2	1	1		1	1	99.5	7.8%	9	9%
greens		35.25	7.5	2	4	5	3	1				57.75	4.5%	7	12%
blues		3.5	10.5	2	2	1	0.5			1		20.5	1.6%	7	34%
reds to pinks	30	375.75	6	1							0.5	413.25	32.5%	5	1%
yellow												0	0.0%	0	
orange		1	1.75		0.5	1					0.5	4.75	0.4%	5	105%
metallic		0.25	0.25	1	1							2.5	0.2%	4	160%
TOTAL	218.5	679.5	168.75	89.5	36	17.5	16.5	18	1	18	7	1270.25	100.0%		
TOTAL %	17.2%	53.5%	13.3%	7.0%	2.8%	1.4%	1.3%	1.4%	0.1%	1.4%	0.6%	100.0%			

Table A3.1.41. Distribution and variability of bead sizes within colour groups (N=1360; QN=1270.25)

	size 1	size 2	size 3	size 4	size 5	size 6	size 7	size 8	size 9	size 10	sizes 11 to 20	indeterminate	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX
floors	47	28.5	11.5	1	1							0.5	89.5	10.4%	5	6%
skeletons		159	68	60	9	2	6	12	2			0.5	318.5	37.0%	8	3%
caches/clusters/ placed deposits	2.5	3.5	4	1			2	2	1	10			26	3.0%	8	31%
external middens	66	63	30.5	8.5	10	5	3.5	2	3		4	2.5	198	23.0%	10	5%
pit/post/bin fill	3	6	1			1							11	1.3%	4	36%
burial fill	10	184.5	7	0.5		1	1						204	23.7%	6	3%
external activity areas or yards	2	6.5	2	3								1	14.5	1.7%	4	28%
TOTAL	130.5	451	124	74	20	9	12.5	16	6	10	4	4.5	861.5	100.0%		
TOTAL %	15.1%	52.4%	14.4%	8.6%	2.3%	1.0%	1.5%	1.9%	0.7%	1.2%	0.5%	0.5%	100.0%			

Table A3.1.42. Distribution and variability of bead sizes within different context categories in the South area (N=924; QN=861.5)

	size 1	size 2	size 3	size 4	size 5	size 6	size 7	size 8	size 9	size 10	sizes 11 to 20	indeterminate	TOTAL	TOTAL %	TOTAL NUMBER OF VARIANTS	VARIABILITY INDEX %
floors	1.5	10	3.5	1	0.5							0.5	17	4.2%	5	29%
skeletons													0	0.0%	0	0%
caches/clusters/ placed deposits			3										3	0.7%	1	33%
external middens	1.5	18.25	35.5	14.5	14.5	4.5	4	4	2	1	3	1	103.75	25.4%	11	11%
pit/post/bin fill	2	42.5											44.5	10.9%	2	4%
burial fill	83	154	1		1								239	58.4%	4	2%
external activity areas or yards		2											2	0.5%	1	50%
TOTAL	88	226.75	43	15.5	16	4.5	4	4	2	1	3	1.5	409.25	100.0%		
TOTAL %	21.5%	55.4%	10.5%	3.8%	3.9%	1.1%	1.0%	1.0%	0.5%	0.2%	0.7%	0.4%	100.0%			

Table A3.1.44. Distribution and variability of bead sizes within context categories in the North area (N=469; QN=409.25)

	size 1	size 2	size 3	size 4	size 5	size 6	size 7	size 8	size 9	size 10	sizes 11 to 20	indeterminate	TOTAL	TOTAL %	NUMBER OF VARIANTS	VARIABILITY INDEX %
floors	48.5	38.5	15	2	1.5							1	106.5	8.4%	5	5%
skeletons		159	68	60	9	2	6	12	2			0.5	318.5	25.1%	8	3%
caches/clusters/ placed deposits	2.5	3.5	7	1			2	2	1	10			29	2.3%	7	24%
external middens	67.5	81.25	66	23	24.5	9.5	7.5	6	5	1	7	3.5	301.75	23.7%	11	4%
pit/post/bin fill	5	48.5	1			1							55.5	4.4%	4	7%
burial fill	93	338.5	8	0.5	1	1	1						443	34.9%	7	2%
external activity areas or yards	2	8.5	2	3								1	16.5	1.3%	4	24%
TOTAL	218.5	677.75	167	89.5	36	13.5	16.5	20	8	11	7	6	1270.75	100.0%		
TOTAL %	17.2%	53.3%	13.1%	7.0%	2.8%	1.1%	1.3%	1.6%	0.6%	0.9%	0.6%	0.5%	100.0%			

Table A3.1.45. Distribution and variability of bead sizes within context categories from the North and South areas (N=1393; QN=1270.75)

Building or Space	Total number of preforms and roughouts	Number of Units with Preforms and Roughouts	List of Units containing preforms	Units with tools	Units with significant debitage	Units with groundstone	Number of Units containing two or more stages of manufacture	List of Units containing two or more stages of manufacture	Production examples: raw material
S181 South.G (n=93)	18	6	4838, 4839, 4842, 4865, 4866, 4868	Flint microdrill 4878, 5281, 5290, 5318, 4838, Bone point 4839, 4837, 4836		schist palette 4838; sandstone slab 4838, 4290, 4884; limestone abrader 4866; limestone polishing slab 4844, 4879; marble polishing slab 5326, 5328; poss worked stone perforator 5329	4	4838, 4839, 4842, 4868	tufa, hard limestone/soft marble
B23 South.J (n=25)	2	2	4511, 4791						
B18 South.J (n=34)	6	3	4530, 4539, 4540	Flint drill 4671; Bone point 4539, 4530			3	4530, 4539, 4540	phyllite
B17 South.K (n=61)	2	1	5229 (fill)	Flint drill 4640; Bone point 5019		schist palette 5246			
B16 South.K (n=10)									
B22 South.K (n=0)									
B43 South.L (n=485)									
B6 South.L (n=42)				Microdrill 4252		schist palette 4331(const.); sandstone abrader 4915(fill)			
B50 South.7M (n=20)				Microdrills 10835x1-x5 TOOLKIT			1	10835 (toolkit in burial)	n/a
S168 South.7M (n=11)									
S169 South.7M (n=0)									
S105 South.7M (n=0)									
B75 South.P (n=33)	12	5	16565, 16567, 17043, 16544, 17030	Microdrill 16565 (22), 16567, 16544 (2), 17043, 16276 (4), 17055, 17074	16565, 16567, 16544, 17030, 17043, 16571, 16276	sandstone abraders 16275, 16523; serp raw mat 17091	8	16565, 16567, 16544, 17030, 17043, 16571, 16276	tufa, serpentinite
S333 South.P (n=20)	2	2	16265, 17067	Microdrill 16505	16276, 16261	sandstone abraders 17031, 17036, 16267; schist abraders 16289; schist abrader knives 16289, 16272; andesite abrader 17335	2	16505 (toolkit), 16261 (deb only)	phyllite
S329 South.P (n=55)	14	6	16234, 16235, 16236, 16237, 16555, 17048	Microdrill 16555 (7), 16530, 16238, 16541 (2), 16553	16555, 17048, 16550, 16541, 16508, 16535, 16553	schist abrader knives 17048, 17068	8	16236, 16555, 17048, 16550, 16541, 16508, 16535, 16553	tufa
S132 South.P (n=51)	1	1	18137			raw mat serp 12502; broken palettes 12514; schist abrader 12519			
S140 South.Q (n=0)									
B68 South.Q (n=1)				Microdrill 17075					
B65 South.Q (n=31)	1	1	14019	Microdrill 14012 (3)		schist palettes 13365, 14078; abraders 13365, 14522, 14012; raw mat 14012;			
S299/305 South.Q (n=22)	1	1	17308	Microdrill 15724; obsidian perforators and microdrills 15717 (4)		abraders 15743, 16247; palette 16247; grooved tool 13370;	1	15717 (toolkit)	n/a
S314 South.Q (n=13)	1	1	14552						
S260 South.Q (n=22)									
B53 South.Q (n=20)									
S261 South.Q (n=5)	1	1	12501	number of bone points					
S259 South.R (n=6)	1	1	11356	obsidian drill					
B42 South.R (n=16)	1	1	5427			fluorapatite pieces 11325			
B69 South.R (n=3)									
B56 South.R (n=21)	2	2	12826, 12872			GS 13341 abrader and palette in room fill sandstone abrader 16590; schist abrader knife 16590; schist palette 16590; palettes and abraders 17039, 17047, 10758 calcite and steatite raw mat (calcite bead 16590) 16590	2	17047 and 16590 (toolkit)	calcite
S339 South.R (n=13)				Obsidian perforator broken 17047					
B44 South.S (n=11)	1	1	10692	Microdrill 11295 (8) in levelling dep		schist palette 10666			
S129 South.S (n=13)	1	1	16253	Obsidian drill 16262		schist abrader 14572; basaltic andesite abrader 14572; schist palettes 14572, 14587; abraders 15702(2); schist abraders and knives 16253, 16258, 16260, 16262	1	14572 (toolkit), 16253	fluorapatite
S130 South.S (n=4)									
S319 South.S (n=8)				Microdrill 16534 (2?)		poss serp nodule & poss palette frags 16534; schist abrader knives 16507, 16534	1	16534 (toolkit)	n/a
B10 South.T (n=1)									
S119 South.T (n=6)						GS 14028 grooved palette			
S131 South.T (n=4)						schist palettes 14533(2); schist abrader knife 14533; marble polisher 14533	1	14533 (toolkit)	n/a
B58 North.G (n=6)	2	2	11930, 13237			poss serp nod raw mat 13254; palettes 10359(5); abrading slab 10359; polishing slab 10359; grooved abrader 11938(fill)	1	10359 (toolkit)	n/a
B59 North.G (n=3)						abraders 14659; schist palette 14748; palettes 13115 (backfill)			
B52 North.G (n=0)						abrading slab & abrader 10304; abraders 11965(4); palette 11928; abrading slabs 11928, 11965(2), 11968		11928 (toolkit)	n/a
B64 North.G (n=46)									
B51 North.G (n=0)									
B49 North.G (n=270)						abrader & abrader knife 16689; V-shaped abrader 16645 (fill)			
B48 North.G (n=0)									
B67 North.G (n=0)									
B57 North.G (n=2)						u-shaped abrader 10326 (fill)			
B55 North.G (n=0)									
B66 North.G (n=2)									
S90 North.G (n=14)									
B60 North.H (n=8)									
B47 North.H (n=7)	4	2	10243, 10229						
B45 North.H (n=1)									
B54 North.H (n=2)									
B46 North.H (n=0)									
S279 North.I (n=91)	9	6	13103, 13174, 14120, 13143, 12972, 12988	Microdrill 14120 (2), 12988, 13139		schist palette, schist abraders (2), sandstone abrader, pumice abrader 13103; schist palette with ind, schist abraders (2), phyllite raw mat 14100; 12652 poss abrader; 13143 palette or abrader; poss serp raw mat, palette frags one with indentation, vessel frags, palette 12988; palette with indent 13159; schist palette 10369, slab and schist palette 10396; schist palette 14134; grooved abrader 13142; schist hand abrader frag 12972; assorted palettes and palette frags 13129; palette frags 13140; schist palettes 13127 (2) and perhaps unfinished pendant 13127.X6	7	13127, 14100, 13143, 14120, 12988, 13103, 12988 and 13103 (toolkits)	chert?, fluorapatite, steatite
S226 North.H (n=43)	3	3	14122, 8864, 8854			raw mat green & V-shaped grooved abrader 14122	2	14122, 8864	steatite

Table A3.2.1. List of units by building, space, and settlement phase with stone bead production related materials

		S181 South.G (N=31/93)	B18 South.J (N=24/34)	B23 South.J (N=23/25)	B16 South.K (N=9/10)	B17 South.K (N=33/61)	B75 South.P (N=18/33)	S333 South.P (N=9/20)	S329 South.P (N=26/55)	B68 South.Q (N=1/1)	B65 South.Q (N=8/31)	S299/305 South.Q (N=8/22)	B69 South.R (N=2/3)	B56 South.R (N=12/21)	S339 South.R (N=10/13)	B58 North.G (N=2/6)	B49 North.G (N=6/270)	B60 North.H (N=8/8)	B47 North.H (N=3/7)	B45 North.H (N=1/1)	S279 North.I (N=58/91)	S226 North.I (N=7/43)	Total (N=299/832)	Total %
Drilling	Hand	1	2.5			2.5	0.5	1	2			3.5			1.25						7	1	22.25	9.2%
	Mechanical	18.5	16	12.5	6.25	17.5	10.25	8	15	1	4.5	2	0.75	4.5	6.5		3.25	7.5	1.5	0.5	44.75	6	186.75	77.0%
	Ind. or N/A	0.5	2	3	1	2.5	5		1		2.25	1		2.25	2	2	2		3		4		33.5	13.8%
Perf morph	Bicon/Straight	12	13	10.75	3.25	12.25	8.25	7.5	11	1	5.5	6	0.5	5.5	7.75		5.25	5	1.5	0.5	44.75	6	167.25	69.9%
	Bicon/Slanted		1.5	0.5	1.5	4.5	0.5		1			0.5						1.5			2	1	14.5	6.1%
	Unicon/Straight	5.25	2.5	0.25	2.5	1.5	1	1.5	3.5												3		21	8.8%
	Unicon/Slanted	1	0.5	1					2				0.25								1		5.75	2.4%
	Uniform/Straight	1.5	3	1		3.25																	8.75	3.7%
	Pecking	0.75						0.5							1	1					2		5.25	2.2%
	Ind. or N/A	0.25		2			6			0.25				1.25		1		1	3		2		16.75	7.0%
Perf size	Narrow/Short	0.5		0.5																	4		5	2.1%
	Narrow/Long						1	0.5													3.5		5	2.1%
	Wide/Short	8.5	15	13	2.75	12.75	4		1			1.5			1	1	1	4			2.75		68.25	28.4%
	Wide/Med	9	4.5	2	3	9.75	2	6	11		3.5	2.5	0.5	3.5	3.25		2.25	0.5	1		13	4	81.25	33.8%
	Wide/Long	1.75	1		1.5		3.75	2.5	6	1	2.25	2.5	0.25	2.25	3.25	1	2	3	0.5	0.5	28.5	3	66.5	27.7%
	Ind. or N/A	0.25					5				1			1					3		4		14.25	5.9%
Perf marks	Smooth	4.75	5.5			1	4.25	1	5		2.5	2	0.5	2.5	2				1		9	1	42	17.4%
	FLS	7.5	11	12	1	12.25	3.5	7	7.5	1		3	0.25		3.5		4.25	3	0.5	0.5	26.75	4	108.5	45.1%
	CPS	6.5	1			6.25			4.5		2			2	1			3			7.5	2	35.75	14.8%
	Rough	1	3	3.5	6.25	3	3														3.5		23.25	9.7%
	Pecking	0.75														1					2		3.75	1.6%
	Ind. or N/A	0.25					5	1	1		2.25	1.5		2.25	1.25	1	1	1.5	3		6.5		27.5	11.4%
Length marks	Abrasion						5	1	8.5		1		0.25	1	1	1					11.75	2.5	33	13.7%
	FLS	10.5	15	13.75	5	18.5	5	6.5	6	1	1.5	5	0.5	1.5	5.25	1	5.25	7	4		35.25	4.5	152	63.1%
	Smooth	1.25			1.5	1.75	2	1.25	1.5		3.25	1.5		3.25	1.5			0.5			7.5		26.75	11.1%
	Rough	1	3.5	1.75	0.5	0.75	3																10.5	4.4%
	Sawing																		0.5	0.5	1		2	0.8%
	Indeterminate	7	2		0.25	1.5	0.75	0.5	2		1			1							0.5		16.5	6.9%
End marks	Abrasion	1.75	1			1.75	5	2.5	7.5			0.5	0.25								6.25	2.5	29	12.1%
	Smooth	10.75	3	13.75	7.25	15.25	6.25	6.25	9.5	1	4.75	5.5	0.5	4.75	6.75	0.5	5.25	6.5	0.5		34.5	3	145.5	60.6%
	Scratches							0.5			1			1		1.5			0.5		13.25	1.5	19.25	9.3%
	Rough	7	16.5	1.5		5.5	4.5		1						1			1					38	15.8%
	Indeterminate	0.5		0.25							1	0.5		1					3.5	0.5	1		8.25	3.4%
Edges	Sharp	11.25	15.5	13.5	6.25	19.75	8.25	4.5	8		0.5	4	0.5	0.5	6	1	2.25	3.5	1	0.5	28.75	1	136.5	56.9%
	Round	2		1	1	2.25	2.5	3.5	1	1	4.25	2.5		4.25	1.5		3	4	3.5		11	1	49.25	20.5%
	Indeterminate	6.25	5	1		0.5	4	0.5	8		1		1	2		1					3	1	6.75	2.8%

Table A3.3.2. Detailed percentage distribution of manufacture marks according to manufacture mark category

	Necklace F.1860 (South.L)	Bracelet F.1860 (South.L)	Bracelet F.464 (South.L)	Necklace F.417 (South.?M)	Necklace F.1710 (South.?M)	Necklace F.4000 (North.G)	Necklace F.4011 (North.G)	Necklace F.1532 (South.Q)	Bracelet F.1532 (South.Q)	Necklace F.1511 (South.R)	Bracelet F.1517 (South.R)
soft limestone	300.75										
serpentine	16		20	2	2						
soft saccharoidal marble		124.75			1						
steatite						34.5	1				
phyllite						21.25					
metabasalt						24					
tufa											
hard limestone/soft marble				4							
fresh limestone											
fluorapatite								1	3		1
calcite					1						
travertine											
shale											
carnelian											
hematite										2	
limestone pebble											
galena											
quartz											
turquoise											
barite											
gypsum											
chert											
natural metal minerals											
indeterminate											

Table A3.4.4. Distribution of raw materials according to stone bead jewellery found on skeletons (QN=559.25)

	Necklace F.1860 (South.L)	Bracelet F.1860 (South.L)	Bracelet F.464 (South.L)	Necklace F.417 (South.?M)	Necklace F.1710 (South.?M)	Necklace F.4000 (North.G)	Necklace F.4011 (North.G)	Necklace F.1532 (South.Q)	Bracelet F.1532 (South.Q)	Necklace F.1511 (South.R)	Bracelet F.1517 (South.R)
disc		106.75	20	4		45.25					
ring	293.25			2		33.5					
cylindrical barrel											
rounded barrel						1					
barrel disc							1		1		
barrel ring											
cylindrical	16.75										
double concave disc											
round											
long elliptical											
lenticular						1			1		
lenticular concave											
lenticular square						1					
plano-convex						1					
axe head	15										
conical							1				
rectangular											
rectangular double perforation										1	1
trapezoid											
collared butterfly	1										
butterfly heart											
pendant										2	
perforated pebble											
indeterminate	9.25										

Table A3.4.5. Distribution of bead types according to stone bead jewellery found on skeletons (QN=559.75)

	disc	ring	cylindrical barrel	rounded barrel	barrel disc	barrel ring	cylindrical	double concave disc	round	long elliptical	lenticular	lenticular concave	lenticular square	plane-convex	axe head	conical	rectangular	rectangular double perf	trapezoid	collared butterfly	butterfly heart	pendant	nat or man perf pebble
soft limestone		293.25																					
serpentine	22						6.75				1			1	6.5					1			
soft saccharoidal marble	106.75			1			10								8								
steatite		33.5			1											1							
phyllite	21.25																						
metabasalt	24																						
tufa																							
hard limestone/soft marble	2	2																					
fresh limestone																							
fluorapatite											1												
calcite													1										
travertine																							
shale																							
carnelian																							
hematite																						2	
limestone pebble																							
galena																							
quartz																							
turquoise																							
barite																							
gypsum																							
chert																							
natural metal minerals																							
indeterminate																							

Table A3.4.6. Distribution of raw materials according to bead types found on skeletons (QN=546)

	Necklace F.1860 (South.L)	Bracelet F.1860 (South.L)	Bracelet F.464 (South.L)	Necklace F.417 (South.?M)	Necklace F.1710 (South.?M)	Necklace F.4000 (North.G)	Necklace F.4011 (North.G)	Necklace F.1532 (South.Q)	Bracelet F.1532 (South.Q)	Necklace F.1511 (South.R)	Bracelet F.1517 (South.R)
white		124.75		4	2				1		
beige											
black						25					
black with green	16		20				1				
dark grey/black											
light to dark brown											
light to medium grey											
grey/brown						21.25					
grey/green				2							
brown/green											
green					2	33.5					
pale to dark blue								1	1		
blue/green											
pale green									1		1
brown/black											
dark red/brown											
red											
pale pink/brown											
pink to dark pink/brown											
pale pink/beige	300.75										
yellow											
orange											
metallic										2	
beige											

Table A3.4.7. Distribution of colours according to stone bead jewellery found on skeletons (QN=559.25)

	Necklace F.1860 (South.L)	Bracelet F.1860 (South.L)	Bracelet F.464 (South.L)	Necklace F.417 (South.?M)	Necklace F.1710 (South.?M)	Necklace F.4000 (North.G)	Necklace F.4011 (North.G)	Necklace F.1532 (South.Q)	Bracelet F.1532 (South.Q)	Necklace F.1511 (South.R)	Bracelet F.1517 (South.R)
size 1											
size 2	290		10	6		79.75					
size 3	4	53	10						1		
size 4	6	53								1	
size 5	5				1		1		1	1	
size 6									1		1
size 7	3				2						
size 8	11				1						
size 9	1							1	1		
size 10											
size 11 to 20											
Indeterminate	13.75	0.75									

Table A3.4.8. Distribution of bead sizes according to stone bead jewellery found on skeletons (QN=559.25)

	neonate	infant (0-3)	child (3-12)	adolescent (12-20)	adult (20-30)	middle adult (30-40)	older adult (50+)	unknown	TOTAL	TOTAL %
soft limestone			300.75		1				301.75	38.6%
serpentine	3	22	59.625		1	43.625	12		141.25	18.1%
soft saccharoidal marble			125.75	0.5	1	0.5	5	1	133.75	17.1%
steatite	1	1	8.375	1		41.875	4	3	60.25	7.7%
phyllite		3.5	19.5	1.75	1	40.75	0.75		67.25	8.6%
metabasalt			1			24		1	26	3.3%
tufa		1	0.5	2	3	0.5	1	2	10	1.3%
hard limestone/soft marble	9.5	2.25	1	2.75	1.25		7	2	25.75	3.3%
fresh limestone									0	0.0%
fluorapatite				3			1		4	0.5%
calcite				1			1		2	0.3%
travertine				0.5					0.5	0.1%
shale									0	0.0%
carnelian							0.5		0.5	0.1%
hematite		2							2	0.3%
limestone pebble									0	0.0%
galena									0	0.0%
quartz									0	0.0%
turquoise								3	3	0.4%
barite									0	0.0%
gypsum							0.25		0.25	0.0%
chert									0	0.0%
natural metal minerals				1.125		0.125			1.25	0.2%
unknown			0.5				0.25	1	1.75	0.2%
TOTAL	13.5	31.75	517	13.625	8.25	151.375	32.75	13	781.25	100.0%
TOTAL%	1.7%	4.1%	66.2%	1.7%	1.1%	19.4%	4.2%	1.7%	100.0%	
NUMBER OF VARIANTS	3	6	8	9	6	7	10			
Number of burials per group	4	5	6	3	5	2	8			
VARIABILITY INDEX %	75%	120%	133%	300%	120%	350%	125%			

Table A3.4.9. Distribution of raw materials, both common and less common, in burials according to age categories (QN=781.25)

	Female	Male	Male?	Indeterminate	Unknown
soft limestone			1	300.75	
serpentinite	52.625	4		84.625	
soft saccharoidal marble	5	1	1	125.75	1
steatite	42.875	6		11.825	
phyllite	41.5	1		24.75	
metabasalt	24			1	1
tufa	4.5	4	3	1.5	1
hard limestone/soft marble	8	2.25		15.5	
fresh limestone					
fluorapatite	1			3	
calcite	1			1	
travertine				0.5	
shale					
carnelian		0.5			
hematite				2	
limestone pebble					
galena					
quartz					
turquoise					
barite					
gypsum			0.25		
chert					
natural metal minerals	0.125			1.125	
unknown	0.25		1	0.5	
TOTAL	180.875	18.75	6.25	573.825	3

Table A3.5.10. Distribution of raw materials in burials according to sex (QN=782.7)

	Female	Male	Male?	Indeterminate	Unknown
disc	116.625	6.5		196.625	
ring	54.125	10.5	4.25	325.375	3
cylindrical barrel					
rounded barrel	2				
barrel disc	1	0.5		2	
barrel ring	1			17.75	
cylindrical	1				
double concave disc					
round					
long elliptical					
lenticular	1			2	
lenticular concave					
lenticular square	1				
plano-convex	1				
axe head				14.5	
conical	1				
rectangular					
rectangular double perforation	1			1	
trapezoid					
collared butterfly				2	
butterfly heart					
pendant			1	2	
perforated pebble					
indeterminate	0.125	2.25		10.375	
TOTAL	180.875	19.75	5.25	573.625	3

Table A3.4.12. Distribution of bead types in burials according to sex (QN=782.5)

	Female	Male	Male?	Indeterminate	Unknown
white	6	2	1.25	133.25	1
beige	1			3	
black	30.375	6		9.25	
black with green	49.875	1		85.875	
dark grey/black	10.125	1		13.375	1
light to dark brown				1	
light to medium grey					
grey/brown	32.375			12.125	
grey/green	2	3		4	
brown/green				1	
green	37	1		0.5	
pale to dark blue				2.5	
blue/green	2.5				
pale green	1			1	
brown/black					
dark red/brown	1.5	2		1.25	1
red					
pale pink/brown	6	1	1	1.25	
pink to dark pink/brown		2.25	3	1.5	
pale pink/beige	1			302.75	
yellow					
orange		0.5			
metallic	0.125			2.125	
TOTAL	180.875	19.75	5.25	575.75	3

Table 3.4.14. Distribution of stone bead colours in burials according to sex (QN=782.5)

	neonate	infant (0-3)	child (3-12)	adolescent (12-20)	adult (20-30)	middle adult (30-40)	older adult (50+)	unknown	TOTAL	TOTAL %
disc	4.5	21	168.125	3	5	106.125	12		319.75	40.86%
ring	8	8.75	305.875	5.25	8	44.125	14.25	3	397.25	50.77%
cylindrical barrel									0	0.00%
rounded barrel					1		1		2	0.26%
barrel disc			1	1	1		0.5		3.5	0.45%
barrel ring					1				1	0.13%
cylindrical	1		16.75				1		18.75	2.40%
double concave disc									0	0.00%
round									0	0.00%
long elliptical									0	0.00%
lenticular				2			1		3	0.38%
lenticular concave									0	0.00%
lenticular square							1		1	0.13%
plano-convex							1		1	0.13%
axe head			14.5						14.5	1.85%
conical						1			1	0.13%
rectangular									0	0.00%
rectangular double perforation				1			1		2	0.26%
trapezoid									0	0.00%
collared butterfly			1	1					2	0.26%
butterfly heart									0	0.00%
pendant		2			1				3	0.38%
perforated pebble									0	0.00%
indeterminate			10.125	1.25	1.25	0.125			12.75	1.63%
TOTAL	13.5	31.75	517.375	14.5	18.25	151.375	32.75	3	782.5	100.00%
TOTAL %	1.73%	4.06%	66.12%	1.85%	2.33%	19.35%	4.19%	0.38%	100.00%	
NUMBER OF VARIANTS	3	3	6	6	6	3	9			
NUMBER OF BURIALS PER GROUP	4	5	6	3	5	2	8			
VARIABILITY INDEX %	75%	60%	100%	200%	120%	150%	113%			

Table A3.4.11. Distribution and variability of both variant and non-variant bead types within age categories (QN=782.5)

	neonate	infant (0-3)	child (3-12)	adolescent (12-20)	adult (20-30)	middle adult (30-40)	older adult (50+)	unknown	TOTAL	TOTAL %
white	5.5		126.25	2	2.5	0.5	5.75	1	143.5	20.2%
beige	1	2			0.5		0.5		4	0.6%
black	1	2	3.125	1	1	25	8.25		41.375	5.8%
black with green	1	20	64.875				3		88.875	12.5%
dark grey/black		2.5	9.125	1.75	1		1.75	1	17.125	2.4%
light to dark brown	1								1	0.1%
light to medium grey									0	0.0%
grey/brown		1	11.125			21.25			33.375	4.7%
grey/green	2		1	1	4				8	1.1%
brown/green		1							1	0.1%
green				0.5	0.5	33.5	4		38.5	5.4%
pale to dark blue				2.5					2.5	0.4%
blue/green					2.5				2.5	0.4%
pale green				1			1		2	0.3%
brown/black									0	0.0%
dark red/brown		0.75	0.5	1	1		1	1	5.25	0.7%
red									0	0.0%
pale pink/brown		0.25		0.5	1		7		8.75	1.2%
pink to dark pink/brown				3.25	3.25				6.5	0.9%
pale pink/beige	2		301.25		1				304.25	42.8%
yellow									0	0.0%
orange							0.5		0.5	0.1%
metallic		2	0.125						2.125	0.3%
beige									0	0.0%
TOTAL	13.5	31.5	517.375	14.5	18.25	80.25	32.75	3	711.125	100.0%
TOTAL %	1.9%	4.4%	72.8%	2.0%	2.6%	11.3%	4.6%	0.4%	100.0%	
NUMBER OF VARIANTS	7	9	9	10	11	4	10			
NUMBER OF BURIALS PER GROUP	4	5	6	3	5	2	8			
VARIABILITY INDEX %	175%	180%	150%	333%	220%	200%	125%			

Table A3.4.13. Distribution and variability of colours in burials according to age categories (QN=711.125)

	neonate	infant (0-3)	child (3-12)	adolescent (12-20)	adult (20-30)	middle adult (30-40)	older adult (50+)	unknown	TOTAL	TOTAL %
size 1		4.75	41	1	3	41	2.75		93.5	11.9%
size 2	12.5	15	322	5.25	11	110.25	15.5	2	493.5	63.1%
size 3	1	10	58.5	3	1		6.5	1	81	10.4%
size 4		1	59.5						60.5	7.7%
size 5		1	6	1	1		1		10	1.3%
size 6				1	1		1		3	0.4%
size 7			3	1			3		7	0.9%
size 8			11				1		12	1.5%
size 9			1	1					2	0.3%
size 10									0	0.0%
size 11 to 20									0	0.0%
indeterminate			15.375	1.25	1.25	0.125	2		20	2.6%
TOTAL	13.5	31.75	517.375	14.5	18.25	151.375	32.75	3	782.5	100.0%
TOTAL %	1.7%	4.1%	66.1%	1.9%	2.3%	19.3%	4.2%	0.4%	100.0%	
NUMBER OF VARIANTS	2	5	8	7	5	2	7			
NUMBER OF BURIALS PER GROUP	4	5	6	3	5	2	8			
VARIABILITY INDEX %	50%	100%	133%	233%	100%	100%	88%			
TOTAL LARGER SIZES	0	1	21	4	2	0	6	0	34	
TOTAL LARGER SIZES %	0.0%	2.9%	61.8%	11.8%	5.9%	0.0%	17.6%	0.0%	100.0%	
NUMBER OF VARIANTS	2	5	8	7	5	2	7			
VARIABILITY INDEX OF LARGER SIZED BEADS %	50%	100%	133%	233%	100%	100%	88%			

Table A3.4.15. Distribution and variability of all and only larger (size 5 and up) bead sizes within age categories (QN=782.5)

	Female	Male	Male?	determina	Unknown
size 1	43.75	4		45.75	
size 2	125	9.5	4.25	352.75	2
size 3	5	2.5		72.5	1
size 4				60.5	
size 5	2			8	
size 6	1		1	1	
size 7	3			4	
size 8	1			11	
size 9				2	
size 10					
size 11 to 20					
indeterminate	0.125	3.75		16.125	
TOTAL	180.875	19.75	5.25	573.625	3

Table A3.4.16. Distribution of bead sizes in burials according to sex (QN=782.5)

APPENDIX B: FIGURES**List of Figures**

- B4.1.1. Geological map of Central Anatolia (*Source*: Hodder 2005)
- B4.1.2. Photograph of a polished cross section of a fluorapatite bead taken using a microscope (x20)

Figure B4.1.1. Geological map of Central Anatolia (*Source: Hodder 2005*)



B4.1.2. Photograph of a polished cross section of a fluorapatite bead taken using a microscope (x20)

APPENDIX C: RESULTS FROM SEM-EDS ANALYSIS OF EXPORTED BEAD FRAGMENTS

A total of 17 beads were analysed for elemental composition using SEM-EDS. The methodology concerning these analyses was presented in Chapter 2.3 and descriptions of the identified rocks can be found in Chapter 3.1.1. The goal of this exercise was simply to help identify different minerals and compounds of the rock used to manufacture stone beads. Both spot and bulk analyses were conducted on different phases, crystal structures, or the matrix, which were differentiated and identified using the backscattered electron detector. The data was normalised and oxygen added by stoichiometry.

A total of five blue coloured bead fragments which excavators and bead specialists had previously identified as being turquoise, simply due to their colour, were analysed and it was found that these beads were made from matrix of mostly fluorapatite ($\text{Ca}_5(\text{PO})_3\text{F}$) and to a lesser extent, calcium carbonate (CaCO_3) (Table C.1). Two of the samples (12826.H2 and 13174.X4) also contained traces of sulphur. SEM-EDS analysis of these fluorapatite beads proved to be beneficial so as not to mistake them for turquoise beads, which are also found at Çatalhöyük, but in very small numbers. Although these beads were comprised of fluorapatite, these blue coloured beads may have been odontolite, or fossilized ivory, intentionally heated to turn blue (see Taniguchi *et al.* 2002).

Sample	# of spectra		Elemental weight %						Total
			C	F	P	S	Ca	O	
12826.H2	2	Avg	6.6	1.1	13.8	0.4	30.1	48.0	100
		STDev	0.4	0.1	0.2	0.0	0.7	0.5	
16583.H2	5	Avg	9.8	1.4	11.3		26.3	51.2	100
		STDev	2.1	0.4	1.4		3.1	2.6	
13174.X4	3	Avg	9.2	1.5	11.9	0.3	26.5	50.7	100
		STDev	1.5	0.2	1.0	0.0	2.2	1.9	
14057.H2	2	Avg	10.6	1.0	11.7		23.8	52.9	100
		STDev	2.5	0.2	2.3		2.6	2.7	
13103.H2	8	Avg	13.3	1.5	9.3		20.5	55.6	100
		STDev	4.7	0.6	3.3		6.7	5.9	

Table C.1. Normalized average data from the analysis of 5 blue coloured beads

Two white coloured beads were identified: the first as calcium carbonate (CaCO_3) (Table C.2), and the second as barium sulphate, or the mineral barite (BaSO_4) (Table C.3). Calcium carbonate can be limestone, tufa, travertine, or marble, for example, so it is imperative to also assess these beads both with the naked eye as well as under an optical microscope. The difference between these rocks made from calcium carbonate is basically the formation processes and the locations of these processes. The calcium carbonate bead was identified as hard limestone or soft marble due to its fine but densely compacted grains, making it a rock that could be easily polished.

Sample	# of spectra		Elemental weight %			
			C	Ca	O	Total
16234.H2	4	Avg	11.4	41.7	46.9	100
		STDev	2.8	7.3	4.5	

C.2. Normalised average data from a white coloured bead identifying it as calcium carbonate, and later macroscopically and microscopically classified as hard limestone or soft marble

Sample	# of spectra		Elemental weight %			
			S	Ba	O	Total
10259.H1	6	Avg	13.3	59.9	26.9	100
		STDev	1.1	2.5	1.4	

C.3. Normalised average data from second white coloured bead identifying it as barium sulphate, or the mineral barite

Barite (barium sulphate) was also found in conjunction with galena (lead sulphate) in two other beads. Both spot and bulk analyses were conducted on various areas of the sample and because this sample was clearly not homogenous, all the spectra are presented in the table below (C.4). One of the samples 16237.H1 also appears to contain anhedral crystals or phases of silica in the general matrix. This may also mean that both these samples may be from different sources.

Sample		Elemental weight %							
		C	Si	S	Sr	Ba	Pb	O	Total
16237.H1	Spectrum 1	8.7		7.8			45.4	38.2	100
	Spectrum 2	10.4	28.9					60.7	100
	Spectrum 3	6.9		9.8	0.9	44.0		38.3	100
	Spectrum 4	9.1		8.7	0.9	39.2		42.1	100
	Spectrum 5	9.8	29.9					60.3	100
	Spectrum 6	8.8		7.8			44.7	38.7	100
	Avg	9.0	29.4	8.5	0.9	41.6	45.0	46.4	100
	STDev	1.2	0.7	1.0	0.0	3.4	0.5	11.0	
16234.H3	Spectrum 1	11.6		7.6	0.8	33.7		46.3	100
	Spectrum 2	11.2		6.8			39.1	42.9	100
	Spectrum 3	11.0		7.8	0.6	35.5		45.2	100
	Spectrum 4	10.6		7.0			40.6	41.8	100
	Spectrum 5	11.1		7.7	0.6	35.2		45.4	100
	Spectrum 6	11.0		6.7			40.0	42.3	100
	Spectrum 7	10.0		7.3		21.3	19.6	41.7	100
	Avg	10.9		7.3	0.7	31.4	34.8	43.7	100
	STDev	0.5		0.5	0.1	6.8	10.2	1.9	

C.4. Normalised data from two samples of white and metallic coloured beads, identified as barite and galena

Six different red to pink coloured beads were also analysed and these beads all had a variable calcium carbonate matrix with a number of inclusions and trace elements of iron, potassium, magnesium, and aluminium. Silica was also present within parts of the variable matrix. Compositionally, therefore, these beads all appear to be similar. The pink to red colours usually indicates the presence of iron oxides,

although this is not always the case as indicated by sample 4870.H1 (Table C.5). In Table C.5, four of the six red to pink coloured beads were classified as tufa, whereas the other two samples were classified as hard limestone or soft marble and soft limestone (Table C.6).

Sample		Elemental weight %								Total
		C	Mg	Al	Si	K	Ca	Fe	O	
16565/ 8038-1	Spectrum 1	11.2				0.3	42.0		46.5	100
	Spectrum 2	12.0	0.7		0.6	0.2	37.9	0.4	48.3	100
	Spectrum 3	13.0	0.4	1.4	3.1	1.1	28.0	1.3	51.6	100
	Spectrum 4	14.0	0.4	0.3	0.7		32.8		51.8	100
	Spectrum 5	14.8	0.3	0.5	1.0	0.4	29.8		53.2	100
	Avg	13.0	0.5	0.7	1.3	0.5	34.1	0.9	50.3	100
	STDev	1.5	0.2	0.6	1.2	0.4	5.8	0.6	2.8	
16565/ 8038-2	Spectrum 1	10.4	0.3		0.3	0.3	43.6		45.5	100
	Spectrum 2	9.5	0.2		0.3	0.3	45.9		44.1	100
	Spectrum 3	13.5	0.3	0.2	0.5	0.4	34.3	0.4	50.8	100
	Avg	11.1	0.3	0.2	0.3	0.3	41.3	0.4	46.8	100
	STDev	2.1	0.1		0.1	0.1	6.1		3.5	
16234.H1	Spectrum 1	13.2	0.2	0.8	1.2	0.4	20.5	14.0	49.7	100
	Spectrum 2	15.0	0.3	0.6	0.9	0.4	29.0	0.4	53.4	100
	Avg	14.1	0.2	0.7	1.0	0.4	24.8	7.2	51.6	100
	STDev	1.3	0.1	0.2	0.2	0.1	6.0	9.6	2.6	
4870.H1	Spectrum 1	13.7		0.2	0.6		34.3		51.2	100
	Spectrum 2	13.4			0.4		35.8		50.4	100
	Spectrum 3	10.4	0.4	1.5	3.4	0.5	35.9		47.8	100
	Spectrum 4	8.7	0.3				48.3		42.7	100
	Spectrum 5	8.1			0.2		50.0		41.7	100
	Avg	10.9	0.4	0.9	1.2	0.5	40.9		46.8	100
	STDev	2.6	0.0	0.9	1.5		7.6		4.4	

C.5. Normalised data from four samples of calcium carbonate beads, identified as tufa

The hard limestone or soft marble macroscopically and microscopically was identical to the white coloured calcium carbonate bead (C.2), the only exception being the impurities in the red to pink coloured bead (Table C.6). The soft limestone bead on the other hand had fine, had loosely packed grains, and appeared chalky in comparison; hence it was classified as being a soft limestone (Table C.6). The soft limestone bead (4871.H1) also differed from the other examples as it was the only one not to have any trace amounts of magnesium, similar to the unusual sole tufa bead (4870.H1) that did not appear to contain any iron.

Sample		Elemental weight %								Total
		C	Mg	Al	Si	K	Ca	Fe	O	
14057.H1	Spectrum 1	14.8	0.2	8.7	10.8	3.1	0.5	1.3	60.7	100
	Spectrum 2						71.5		28.5	100
	Spectrum 3	14.1		3.8	3.8		23.5		54.8	100
	Spectrum 4	17.4	0.2	7.6	8.8	0.6	1.3	0.4	63.9	100
	Spectrum 5	15.1		5.0	5.3	0.2	16.9	0.2	57.4	100
	Spectrum 6	15.1		0.3	0.4		30.9		53.3	100
	Spectrum 7						71.5		28.5	100
	Avg	15.3	0.2	5.1	5.8	1.3	30.9	0.6	49.6	100
	STDev	1.2	0.0	3.3	4.1	1.6	29.8	0.6	14.8	
4871.H1	Spectrum 1	14.7		10.9	11.6		0.3	0.3	62.2	100
	Spectrum 2	9.6					46.2		44.1	100
	Spectrum 3	13.8		0.2	0.6	0.2	33.7	0.5	51.1	100
	Spectrum 4	14.8		0.3	18.9	0.1	2.8	0.6	62.6	100
	Spectrum 5	18.0		0.4	1.4	0.2	20.9	0.7	58.5	100
	Avg	14.2		2.9	8.1	0.2	20.8	0.5	55.7	100
	STDev	3.0		5.3	8.8	0.1	19.7	0.2	7.9	

Table C.6. Two red to pink coloured beads, similar in composition to the tufa beads, classified as hard limestone or soft marble (14057.H1) and soft limestone (4871.H1)

The final stone samples were identified as phyllite (Table C.7). Ruth Siddall (Earth Sciences, UCL) and Chris Doherty aided in the interpretation of this data prior to confirm the identifications made in the field. The two phyllite bead samples appear to be similar although only a single bulk analysis was performed on 4986.H1. Similarly, the results for 4340.H5 also depended on whether a spot or bulk analysis was performed. The main constituents in phyllite are feldspars, whose minerals are primarily aluminium silicates (Schumann 1993:40). Mica, in the form of biotite and muscovite, for example, is also an important indicator of phyllite, and these also appear to be present (Schumann 1993:46).

Sample		Elemental weight %								Total
		C	Mg	Al	Si	K	Ca	Fe	O	
4986.H1	Spectrum 1	14.9	0.3	6.0	13.1	1.5	0.2	2.9	61.2	100
4340.H5	Spectrum 1	14.1	2.5	5.8	7.5	1.4		12.2	56.6	100
	Spectrum 2	13.3	0.3	2.8	20.6	0.9		0.5	61.7	100
	Spectrum 3	13.8	2.9	5.6	6.4			15.9	55.4	100
	Spectrum 4	13.4	3.4	6.1	7.0			14.8	55.5	100
	Avg	13.6	2.3	5.1	10.3	1.1		10.8	57.3	100
	STDev	0.4	1.4	1.5	6.8	0.4		7.1	3.0	

Table C.7. Normalised data for two dark grey/black coloured beads identified as phyllite based on macroscopic and microscopic analysis followed by a confirmation using compositional data

Using SEM-EDS proved valuable to help identify those rocks or minerals that proved difficult, as well as to confirm the identifications made in the field. Some rocks and minerals can appear identical to the naked eye, and even under an optical microscope. The results from SEM-EDS analyses demonstrate the geological diversity of raw materials being exploited at Çatalhöyük for stone bead production.

APPENDIX D: USE-WEAR ON PERFORATING TOOLS

Perforating tools made from chert, obsidian, and bone were also examined for microwear, or use-wear, which may have resulted from their use in stone bead production. They were selected due to their drill-like forms which made them likely candidates to be used for boring holes, and due to their obvious presence both *in-situ* (house floors and external yards) and non-primary (middens) stone bead production contexts.

A total of 37 perforating tools were analysed from the sampled buildings and spaces. Of these, 32 were found in contexts that could securely be identified as belonging to occupation within a building or deposited within a midden during a particular phase. The remaining 5 are found within sampled spaces and buildings but found within construction elements or in room fill. These 5 tools were sampled regardless, due to the small number of perforating tools found at Çatalhöyük. Twenty-six of these sampled tools (70.3%) were found in production contexts, mostly primary, but some came from production refuse deposited in middens (Table D.1).

A total of 29 chert, 3 obsidian, and 5 bone perforating tools were examined. The chert and bone tools were mostly found in stone bead production contexts. The vast majority of chert perforating tools were retrieved from heavy residue samples from Building 75 and Space 329, and not found during excavation, due to their small size and colour within the sediment.

The methodology used to conduct use-wear analyses on the perforating tools is outlined in detail in Chapter 2.3; however, in summary, with the permission of the lithics team at Çatalhöyük, moulds of the tools were cast using the same dental impression material used to create moulds and replicas of beads. During this process, the tips of 4 were not successfully cast, due the awkward angle at which these moulds had to be cast and subsequent high risk of bubble formation. Both the casts and replicas were gold-coated and examined using a SEM.

Building/ Space	Unit	Context	Production Context	ID number	Type	Material
B.75	15783	room fill	no	15783/fl.7759-1	microdrill	chert
B.75	15783	room fill	no	15783/fl.7759-2	microdrill	chert
B.75	15783	room fill	no	15783/fl.7759-3	microdrill	chert
S.279	13139	midden	yes secondary	13139/fl.6745	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-1	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-2	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-3	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-4	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-5	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-6	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-7	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-8	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-9	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-10	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-11	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-12	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-13	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-14	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-15	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-16	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-17	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-18	microdrill	chert
B.75	16565	floor	yes	16565/fl.8038-19	microdrill	chert
S.329	16555	yard surface	yes	16555/fl.7987-1	microdrill	chert
S.329	16555	yard surface	yes	16555/fl.7987-2	microdrill	chert
S.329	16238	yard deposit	no	16238/fl.7814	microdrill	chert
S.329	16541	yard surface	no	16541/fl.7990	microdrill	chert
S.329	16550	yard surface	yes	16550/fl.7993	microdrill	chert
B.60	13465	construction	no	13465/fl.7071	drill	chert
S.299/305	15717	midden	no	15717.A2	microdrill	obsidian
B.69	14090	construction	no	14090.X1	needle/perf	obsidian
S.129	16262	midden surface	no	16262.A2	microdrill	obsidian
S.181	4837	midden	no	4837.F147	awl/point	bone
S.181	4837	midden	no	4837.F145	awl/point	bone
S.181	4839	midden	yes secondary	4839.F261	awl/point	bone
S.181	4839	midden	yes secondary	4839.F262	awl/point	bone
S.181	4839	midden	yes secondary	4839.F263	awl/point	bone

Table D.1. Summary of perforating tools sampled for use-wear analyses

Based on previous use-wear studies and the author's own experiments (see Chapter 2.3), if these perforating tools were used to drill perforations in stone beads, we would expect to find the tip to be rounded in shape after use, possibly a polish, and or circular striations (Grace 1989:146). The analysis of microwear on perforating tools, however, is not as straightforward as one would hope. The relative hardness of the perforating tool in comparison to the stone or mineral being perforated is essential in

determining whether evidence of use-wear will be left behind on the perforating tool and whether manufacture marks will appear within the perforation. The harder material is more likely to leave marks behind on softer materials (based on the premise of the Moh's scale of hardness); since most of the stone beads assemblage is made from less hard raw materials, this is why so many preforms and finished beads at Çatalhöyük contain perforation marks. In addition, perforating harder materials generally leads to a polish forming on chert or flint perforating tools (Kenoyer and Vidale 1992:504); the absence would therefore indicate the perforation of a softer material than chert, which has a Mohs hardness of 7.

Use-wear marks on perforating tools can be divided into 5 different categories, which are not necessarily exclusive. The tip of the perforating tool can have edge damage, be fresh and most likely unused, be rounded in shape after use, have scratches, contain concentric parallel striations, or feature no marks. Edge damage on the tip refers to erosion, pitting, or damage to the tip of the perforating tool. When the tip of the perforating tool is sharp, unused, and hence appears "fresh", it is categorized as such. In contrast, a rounded tip refers to a tip that is now dull or blunt and rounded after use. Scratches refer to any un-patterned marks on the tip that may have resulted from use. Concentric parallel striations refer to circular and parallel striations, usually continuous, circling the tip of the perforating tool. Striations that may not be continuous or parallel, but simply linear, yet still indicating a drilling motion, are also classified under the category of concentric parallel striations. These marks mimic the concentric parallel striations found in perforations of preforms and some finished beads. Finally, if there are no scratches, edge damage, or concentric parallel striations, perforating tools are classified having no manufacture marks in addition to being fresh or rounded. Examples of these are discussed and shown below as well as presented in Chapter 2.3.

The results of the use-wear analyses are presented below by medium. First chert perforating tools will be examined by assessing each tool individually, followed by obsidian, and subsequently, bone tools.

Chert

Chert perforating tools consist of beige to brown coloured and mostly fine-grained microdrills which are essentially microblades retouched by unipolar pressure flake technology, specifically by "direct marginal bilateral retouch" forming a sharp pointed conical-shaped tip at the distal end (Milić 2008:218). They range in size from 10 to 40mm. Their tips also range in length from simply being a short conical shape to a longer and cylindrical conical shape (see Figure D.3 for examples in variation). These microdrills are very similar to the ones found at Kumartepe, Turkey, that were used for carnelian bead production in the sixth millennium BC (see Grace 1989 and Calley and Grace 1988) and also microdrills found at Mezraa Teleilat in northern Levant during the Neolithic period (Coşkunsu 2008).

Chert is a hard rock, with a Mohs hardness of 7, much harder than the majority of raw materials used to make stone beads at Çatalhöyük, and definitely harder than any of the raw materials found in stone bead production contexts. The conical shape of the preserved tips of the chert microdrills match in morphology to the perforations of the preforms and finished beads, especially those found together in production contexts. The conical tip of the chert microdrill can easily fit into the conical-shaped perforation, suggesting that in terms of perforation morphology, these tools could have easily been used to perforate

stone beads. The ranges in tip sizes of the microdrill ensure that both long and short length beads could be perforated.

Three chert microdrills were found in unit 15783, a unit categorized as room fill after the abandonment of Building 75 (Figure D.1a). These microdrills were not in a secure context associated with Building 75 but were studied regardless, due to the insufficient number of potential bead-perforating tools found at Çatalhöyük. All three microdrills were retrieved from a single sample of heavy residue (flot 7759). The three microdrills did not contain any marks such as scratches or concentric parallel striations; all three did, however, contain some form of edge damage on the tip, indicated possible light use (Figure D.1b-d). In addition, microdrill 15783/fl.7759-1 was quite dull and rounded in shape indicating heavy use. Unfortunately the tip of microdrill 15783/fl.7759-3 was not successfully moulded due to the formation of a bubble.

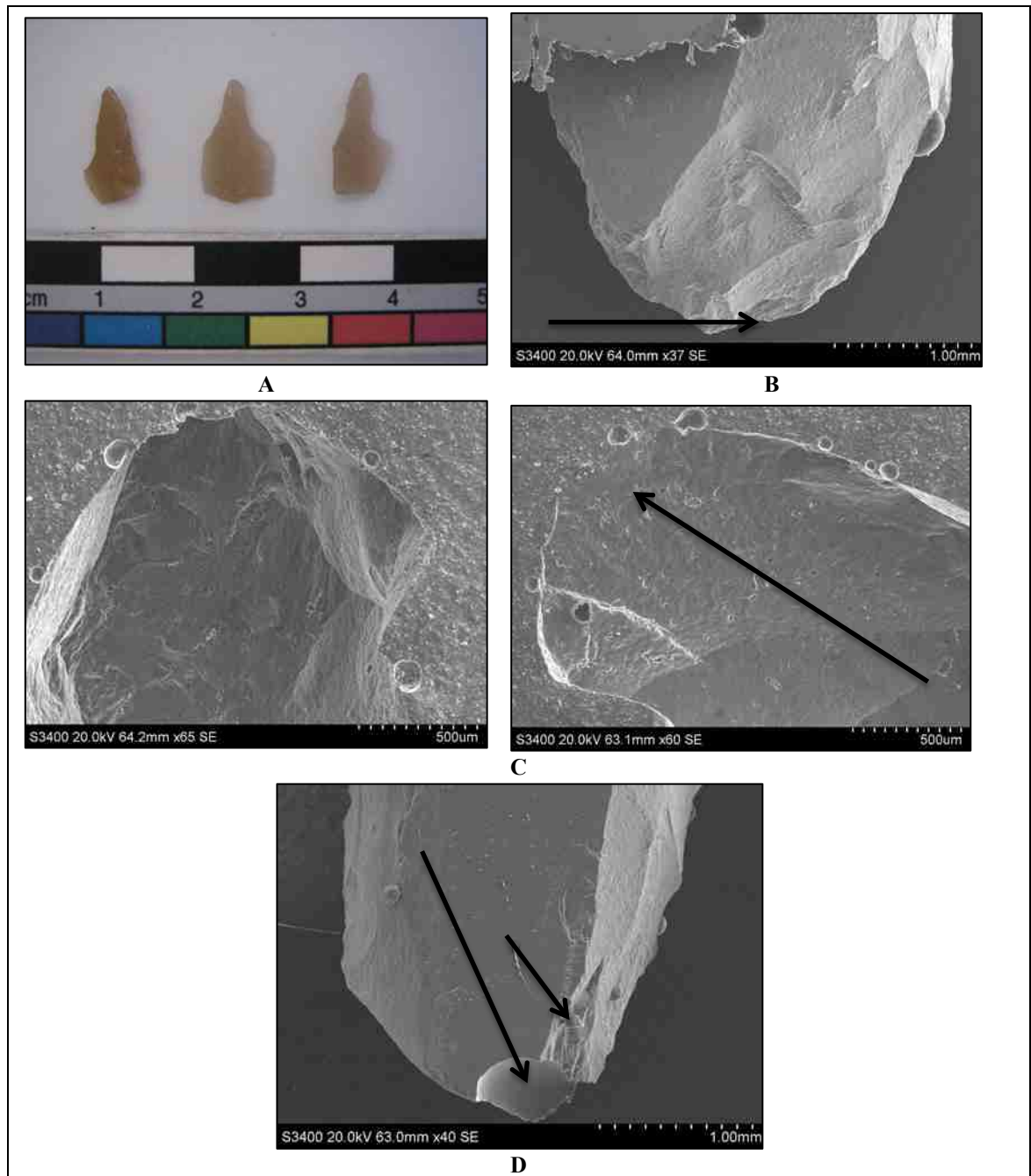


Figure D.1. A) Photograph of 3 chert microdrills in Unit 15783; B) SEM image of replica 15783/fl.7759-2, note edge damage on tip; C) SEM images of moulds of microdrill 15783/fl.7759-1 (dorsal view, left, and ventral view, right, note rounded shape); and D) SEM image of replica 15783/fl.7759-3, note bubble and edge damage

Unit 13139 in external midden Space 279 also had a chert microdrill, found in a sample of heavy residue. Microdrill 13139/fl.6745 had no manufacture marks, but the silicone mould revealed that the tip was however quite rounded in shape and not sharp or fresh, indicating that it most likely had been used heavily (Figure D.2).

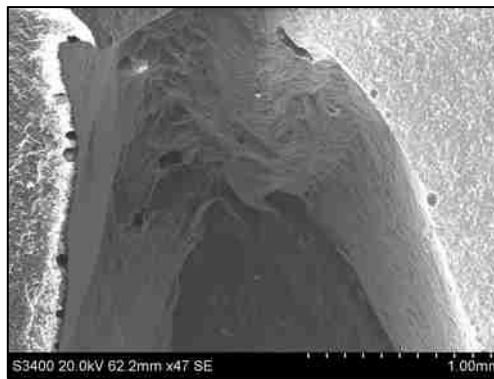


Figure D.2. SEM image of microdrill mould 13139/fl.6745, note rounded tip

Nineteen chert microdrills were found within an important *in-situ* production context in Building 75 (Figures D.3 and 3.2.13).

The chert used to knap these microdrills varies in colour and texture and this variation leads one to surmise that the chert may have been sourced from more than one location. In unit 15783 featured above the microdrills appeared to be made from identical chert; however, the range of chert found in this single unit is quite impressive.

Despite all the tips of these microdrills being conical in shape, there is a range of tip sizes, specifically in regards to length (Figure D.3). Some appear more squat and short while others have a much longer tip which may be useful in making longer perforations (see examples in bottom row, Figure D.3).

Seventeen of the nineteen microdrills were analysed for use-wear (the tips of replicas 16565/fl.8038-5 and-6 did not successfully form) and significantly 16 microdrills did not have any evidence of any types of marks such as concentric parallel striations, linear marks or even scratches. A differentiation between fresh, sharp, and unused tips and rounded tips could however be made.



Figure D.3. Chert microdrills found in unit16565, Building 75, note variation in tip lengths. Photo by J. Quinlain

Use-wear analysis revealed that microdrills 16565/fl.8038-1, -3, -9, -11, -13, -14, -15, -17, and -19 (52.9% of the chert microdrills in unit 16565) have tips which appeared rounded in shape and dull in comparison to a sharp-tipped freshly knapped chert or flint microdrill, indicating that they had most likely been used to perforate the preforms they had been found with (Figure D.4). In conjunction with perforation morphology analysis and perforation experiments conducted by the author, these microdrills are extremely likely to have been used in stone bead production, and specifically in the case of Building 75, tufa and serpentinite bead production.

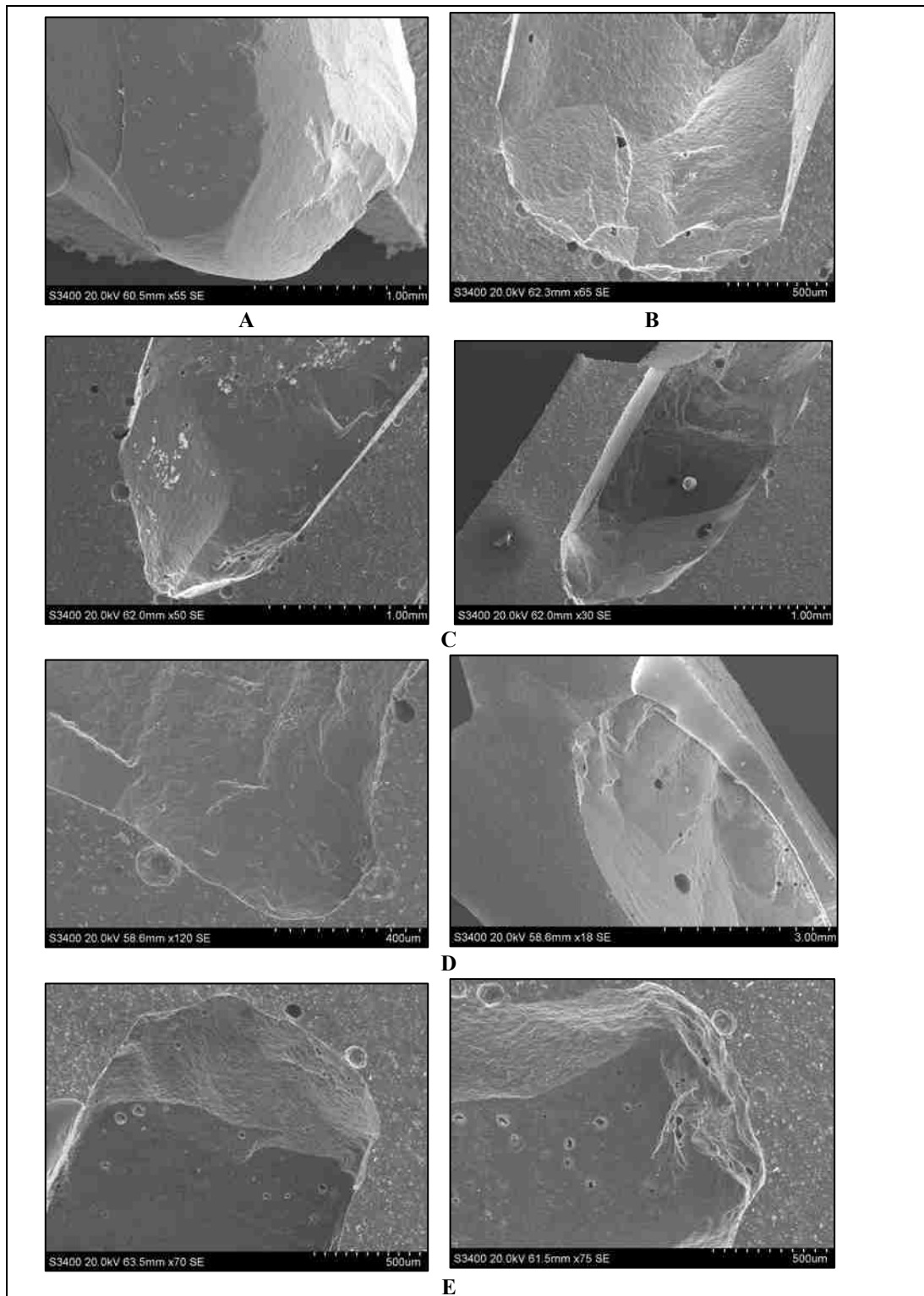


Figure D.4. Examples of chert microdrills with rounded tips in unit 16565, flint 8038: A) replica microdrill 3; B) mould 14; C) mould 9; D) mould 15; and E) mould 17 (C, D, and E, dorsal view, left, and ventral view, right)

Like the other round-tipped microdrills discussed above, microdrill 16565/fl.8038-8 is also rounded, but the tip contains linear striations, some running vertically and others running horizontally (Figure D.5). The mould reveals that the horizontal striations correspond with a drilling motion, and the vertical striations are clustered to one side. The short arrow in Figure D.5 is pointing at vertical lines, and the long arrow is highlighting a set of horizontal lines.

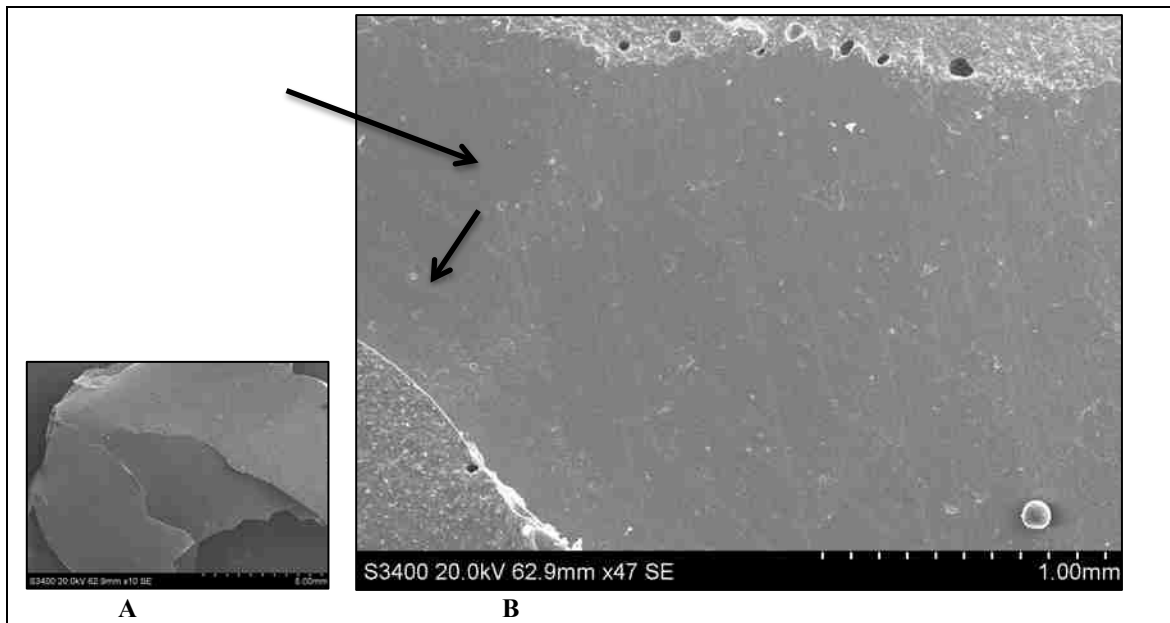


Figure D.5. SEM image of microdrill mould 16565/fl.8038-8, the arrows are highlighting vertical and horizontal lines on the tip of the microdrill

The remaining drills all appear to be “fresh” or unused, as determined by their sharp conical edges. Two of these microdrills, 16565/fl.8038-2 and -4, also showed edge damage on their tips (Figure D.6).

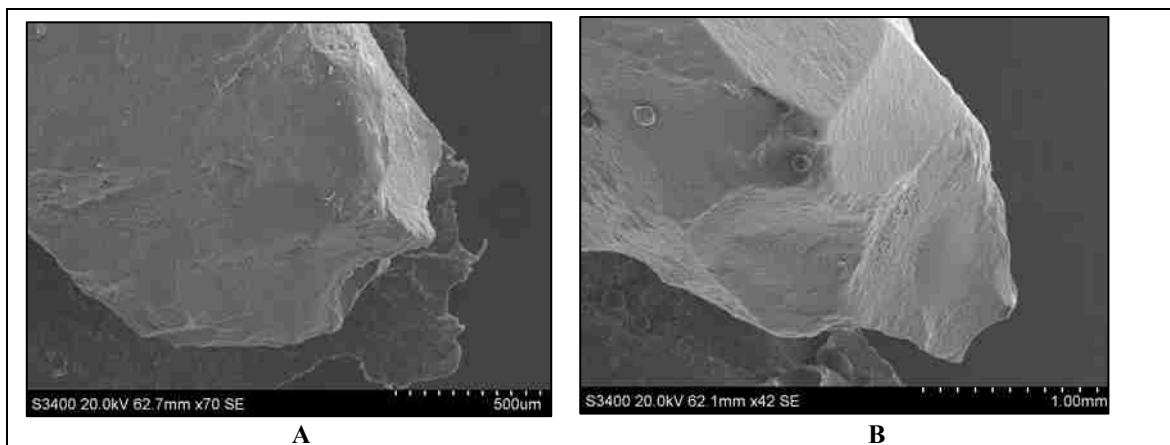


Figure D.6. SEM image of microdrill replicas from unit 16565: A) number 2; and B) number 4, note edge damage

Microdrills 16565/fl.8038-7, -10, -12, -16, and -18, were all categorized as being fresh as determined by their moulds (Figure D.7).

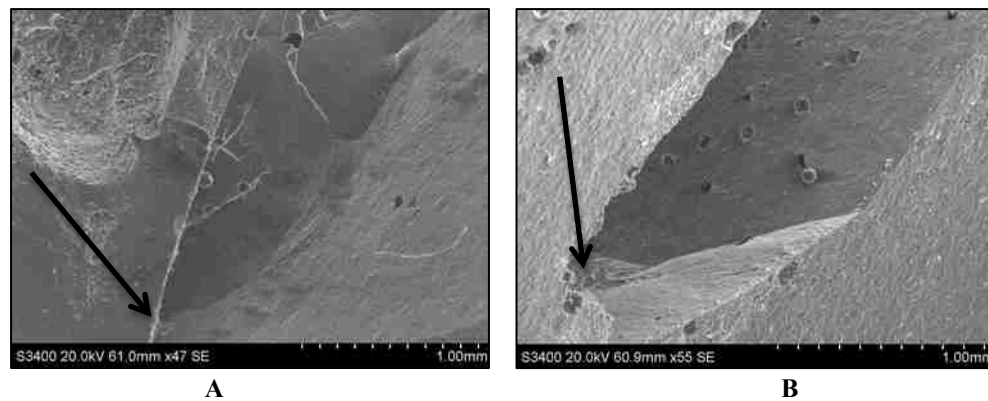


Figure D.7. SEM images of microdrill moulds from unit 16565, note arrows highlighting sharp and fresh tips: A) number 10; and B) number 12

In summary, it appears that 10 of the microdrills from unit 16565 are likely to have been used, but 7 were most likely not, and 2 could not be assessed. Production context 16565 not only contained roughouts and preforms, but also microdrills that were almost certainly used to perforate stone beads being manufactured in this building.

A total of 5 microdrills were also sampled for use-wear in Space 329, an external yard area contemporary with and adjacent to Building 75. Two of these units, units 16555 and 16550, are *in-situ* production contexts. Two chert microdrills were sampled from unit 16555 and both were recovered from a heavy residue sample, flot number 7987 (Figure D.8).



Figure D.8. Microdrills from unit 16555, Space 329 (last two microdrills)

One of these microdrills, 16555/fl.7987-1 appeared to have a rounded tip, whereas the sharp and freshly knapped edge of the second indicated that it was fresh and had not been used (Figure D.9).

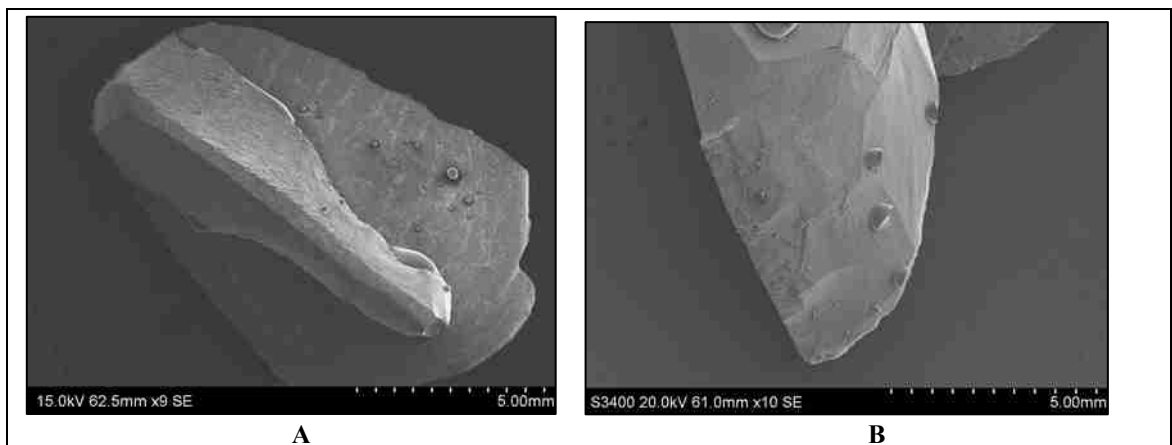


Figure D.9. SEM image of microdrill replicas from unit 16555: A) 16555/fl.7987-1; and B) 16555/fl.7987-2

Similar to microdrill 16555/fl.7987-2, microdrill 16550 from heavy residue flot number 7993, also had a sharp, unused, and therefore fresh tip (Figure D.10).

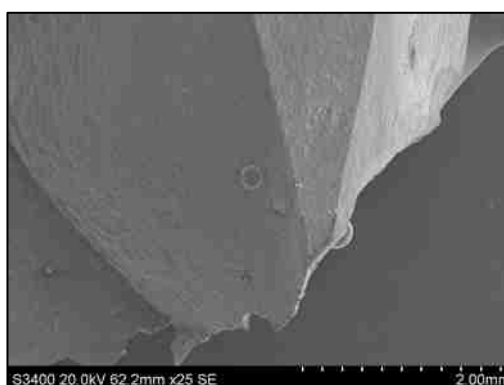


Figure D.10. SEM image of microdrill replica of 16550/fl.7993

The two remaining chert microdrills from Space 329, microdrill 16238/fl.7814 and 16541/fl.7990, have rounded tips and no other significant marks (Figure D.11).

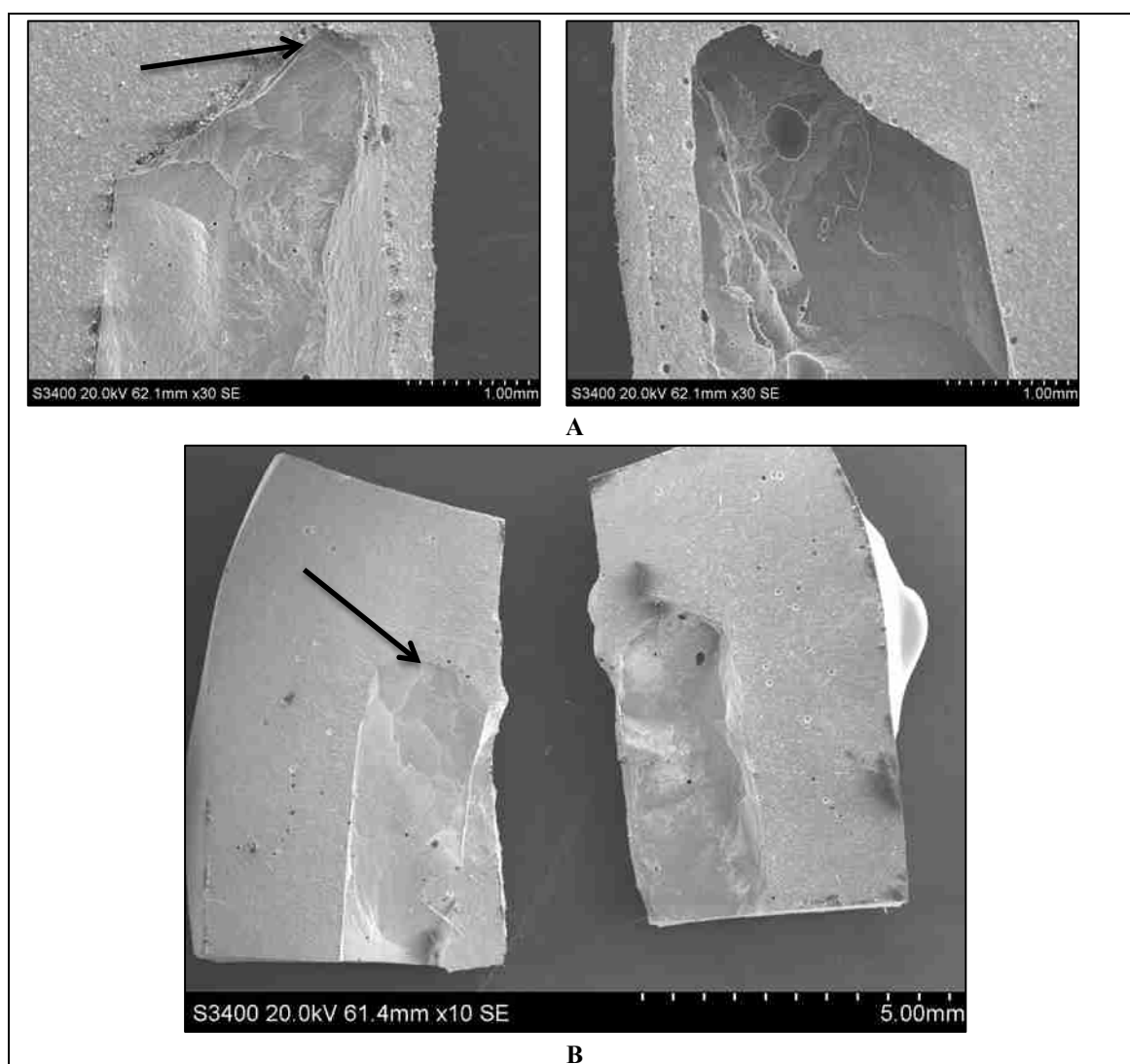


Figure D.11. SEM images of microdrill moulds from Space 329 in profile: A) 16238/fl.7814; and B) 16541/fl.7990, note rounded tips

Finally, a single chert drill was found in unit 13465/fl.7071, but its context cannot be safely attributed to Building 60, as it was found in a column, and therefore within construction. Unfortunately the tip had snapped off, perhaps during use (Figure D.12). This bead was examined to provide an example of a perforating tool with a snapped tip.



Figure D.12. SEM image of snapped microdrill replica in unit 13465, Building 60

Obsidian

Very few obsidian perforating tools have been found by the lithics team at Çatalhöyük (personal communication, Marina Milić). Obsidian is a hard but brittle rock and is the most commonly used knapped material at Çatalhöyük, making up 95% of the entire lithic assemblage (personal communication, Tristan Carter, see also Carter 2011; 2007). It has a hardness of 5 to 5.5 on the Mohs scale.

Three potential obsidian perforating tools were found in the 2010 season, all in unit 15717, in external midden 299/305 in the South area. These were first introduced in Section 3.2 and are again presented in Figure D.13. The obsidian microdrills were knapped similar to the chert microdrills, although two of them appear to have longer and more tapered tips, perhaps to drill through beads with greater height or depth. These cylindrical tips appear to have been abraded after retouching. The size of the cylindrical tips of the microdrills can easily fit into most perforations, indicating that they could have been used to perforate stone beads.



**Figure D.13. Obsidian perforating tools found in unit 15717 (right three), Space 299/305.
Photograph by Marina Milić**

Of these three potential perforating tools, two had broken tips, and only one, 15717.A2, could be analysed for use-wear. This microdrill was a late discovery and therefore it was only possible to analyse the microdrill using optical microscopy.



Figure D.14. Obsidian microdrill 15717.A2 from unit 15717, Space 299/305, note concentric parallel striation on tip

The tip was analysed in the field and it is rounded with use and concentric parallel striations can be seen on the tip (Figure D.14). This microdrill may have been used heavily, if compared to the central microdrill most similar to 15717.A2 in Figure D.13.

One other obsidian microdrill was found in unit 16262, a trodden midden surface in Space 129, and a needle, pin or perforator was retrieved from unit 14090, Building 69, but found within construction. Both perforating tools contain no marks but do have rounded tips (Figure D.15). Perforator 14090.X1 also has some edge damage on the tip.

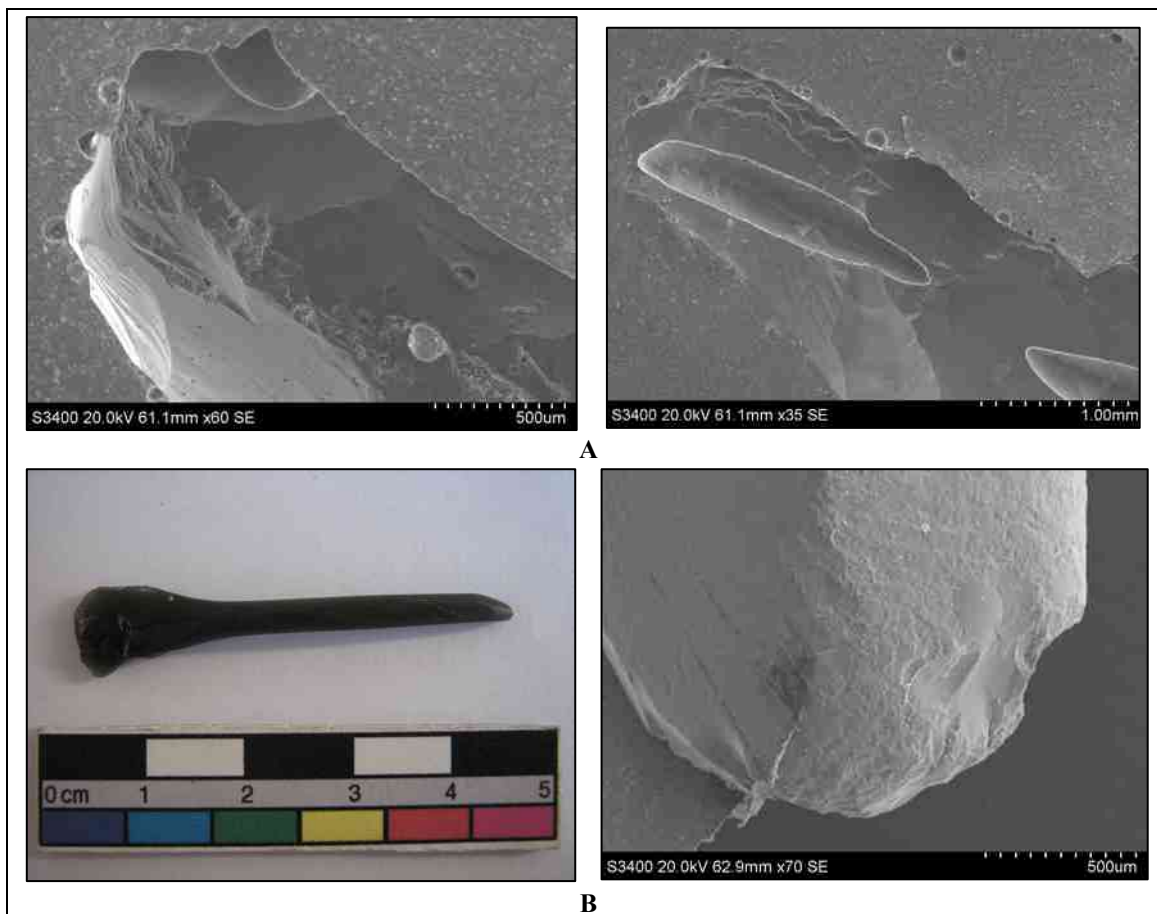


Figure D.15. Obsidian perforating tools: A) SEM images of microdrill moulds of 16262.A2 from Space 129; and B) needle, pin or perforator 14090.X1 from Building 69 (SEM image of replica on right)

Bone

Some potential perforating bone tools were also found alongside production contexts (Building 18), or the discarded contents from production contexts (Space 181). The raw materials used during this time were relatively soft, it is possible that bone awls could have been hafted and used as a bow, strap, or pump drill (mechanical). Bone can be quite hard, but varies according to type, size, and whether or not it has undergone mineralization. The tips of the bone are conical in shape and are also fit with the perforation morphology of preforms and finished beads. But according to the basic experimental bead-making done with bone awls, it was very difficult, although not impossible, to make a perforation on even very soft chalky limestone with a bone awl by hand or using a bow drill (Chapter 2.3). If the raw material that the bone is perforating is not that hard (Mohs hardness of 4 or less), then the tip only becomes a little blunt. The raw materials found in conjunction with these bone awls in Building 18 and Space 181 were phyllite, and hard limestone or soft marble and tufa, respectively. These raw materials could have been perforated without leaving behind any obvious use-wear on the awls. It is possible that the tips of bone awls could be hardened by fire (N. Russell, personal communication), although this was not found to be true of the bone awls analysed.

In Space 181, two units were sampled, one a discarded production context (unit 4839) and the other not (4837). The three bone awls in unit 4839 did not exhibit any marks apart from the vertical linear striations associated with bone. They did have rounded tips, especially 4839.F262, which could have become dull

with use (Figure D.16). One point, 4839.F263, also appeared to have some pitting, but it is not centred at the tip, and could just be due to preservation.

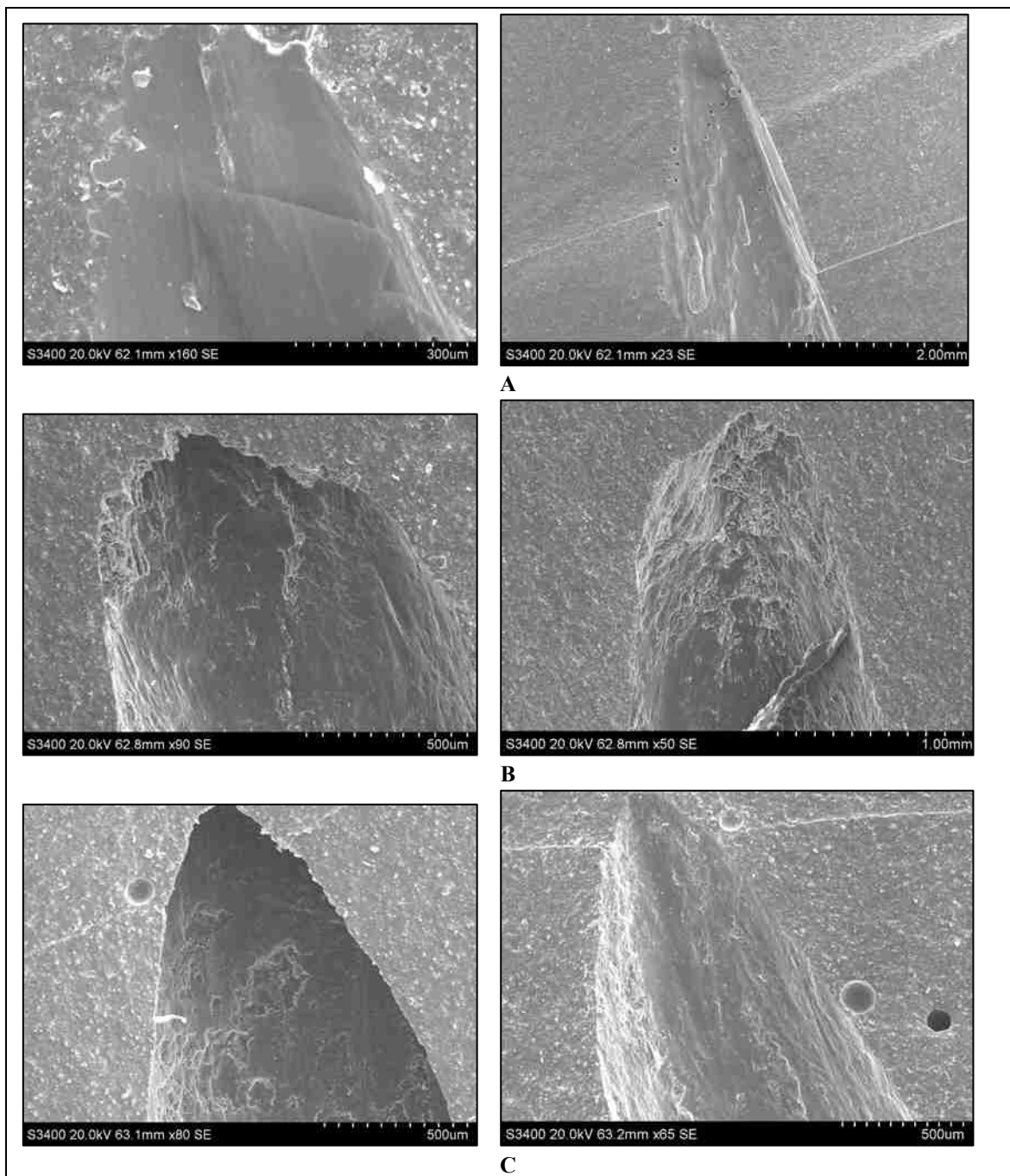


Figure D.16. Bone awls or points from unit 4839, Space 181, with what appear to be rounded tips: A) 4839.F261; B) 4839.F262; and C) 4839.F263

Unit 4837 contained two bone awls (Figure D.17). Again, no marks apart from those found on natural bone could be seen. Bone awl 4837.F147 appeared to be quite sharp in comparison to the other bone awl in unit 4837, which is quite rounded, and also those found in unit 4839 (Figure D.18).



Figure D.17. Bone awls or points 4837.F147 (bottom left) and 4837.F145 (central) from unit 4837, Space 181

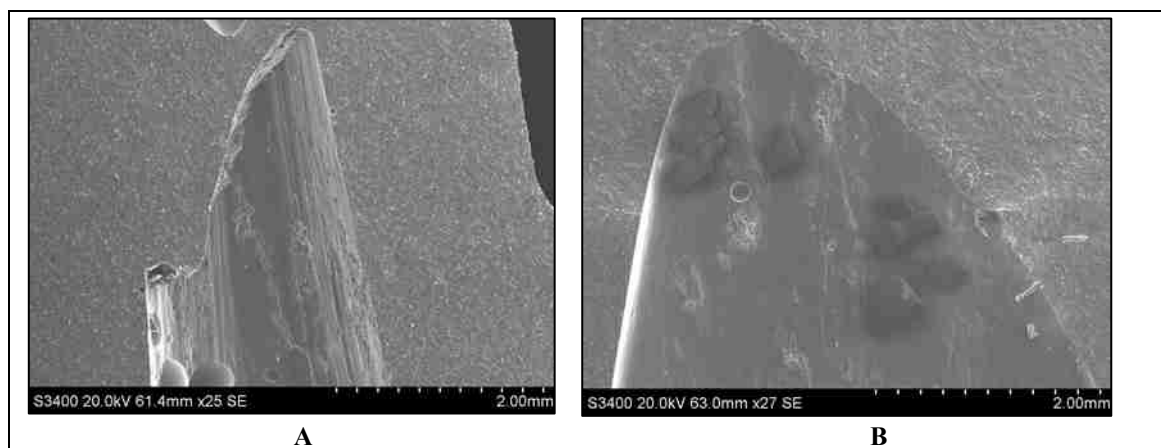


Figure D.18. SEM images of bone awl or point moulds from unit 4839, Space 181: A) 4839.F147 with sharp tip; and B) 4839.F145 with rounded tip

The summary of results of the use-wear analyses of perforating tools can be found in Table D.2 below.

Perforating tools				Use-wear marks and notes						
ID number	Type	Material	Complete	Tip damage	Fresh	No marks	Rounded tip	Scratches	CPS	Tip notes
15783/fl.7759-1	microdrill	chert	complete	✓		✓				
15783/fl.7759-2	microdrill	chert	complete	✓		✓				no tip
15783/fl.7759-3	microdrill	chert	complete			✓	✓			
13139/fl.6745	microdrill	chert	complete			✓	✓			
16565/fl.8038-1	microdrill	chert	complete			✓	✓			
16565/fl.8038-2	microdrill	chert	complete	✓	✓	✓				
16565/fl.8038-3	microdrill	chert	complete			✓	✓			
16565/fl.8038-4	microdrill	chert	complete	✓	✓	✓				
16565/fl.8038-5	microdrill	chert	complete			N/A				no tip
16565/fl.8038-6	microdrill	chert	complete			N/A				no tip
16565/fl.8038-7	microdrill	chert	complete		✓	✓				
16565/fl.8038-8	microdrill	chert	complete				✓	✓	✓	
16565/fl.8038-9	microdrill	chert	complete			✓	✓			
16565/fl.8038-10	microdrill	chert	complete		✓	✓				
16565/fl.8038-11	microdrill	chert	complete			✓	✓			
16565/fl.8038-12	microdrill	chert	complete		✓	✓				
16565/fl.8038-13	microdrill	chert	complete			✓	✓			
16565/fl.8038-14	microdrill	chert	complete			✓	✓			
16565/fl.8038-15	microdrill	chert	complete			✓	✓			
16565/fl.8038-16	microdrill	chert	complete		✓	✓				no tip
16565/fl.8038-17	microdrill	chert	complete			✓	✓			
16565/fl.8038-18	microdrill	chert	complete		✓	✓				
16565/fl.8038-19	microdrill	chert	complete			✓	✓			
16555/fl.7987-1	microdrill	chert	complete			✓	✓			
16555/fl.7987-2	microdrill	chert	complete		✓	✓				
16238/fl.7814	microdrill	chert	complete			✓	✓?			
16541/fl.7990	microdrill	chert	complete			✓	✓			
16550/fl.7993	microdrill	chert	complete		✓	✓				
13465/fl.7071	drill	chert	broken tip			N/A				broken
15717.A2	microdrill	obsidian	complete				✓		✓	
14090.X1	needle/perf	obsidian	complete	✓		✓	✓			
16262.A2	microdrill	obsidian	complete			✓	✓			
4837.F147	awl/point	bone	complete		✓?	✓				
4837.F145	awl/point	bone	complete			✓	✓			
4839.F261	awl/point	bone	complete			✓	✓			
4839.F262	awl/point	bone	complete			✓	✓			
4839.F263	awl/point	bone	complete			✓	✓			

Table D.2. Summary of use-wear results for sampled perforating tools

Summary of use-wear

Use-wear results for potential perforating tools used in stone bead production at Çatalhöyük were presented according to medium: chert, obsidian, and bone. These types of tools were selected due to their presence within stone bead production contexts and from published research at other Neolithic sites in the Near East such as Kumartepe and Mezraa Teleilat, among others.

The analysis of chert microdrills revealed that almost half (48%) of the chert microdrills had rounded tips and no other marks (Figure D.19). Microdrill 16565/fl.8038-8 also contained linear striations and scratches, in addition to a rounded tip, indicating that over half (51%) of the chert microdrill samples had been used. Chert microdrills that appeared to be freshly knapped and indicated no use made up 24% of the sample. Two microdrills were also fresh but some edge damage on the tip was visible. Taking all these fresh microdrills into account, the total percentage of fresh chert microdrills is 31%.

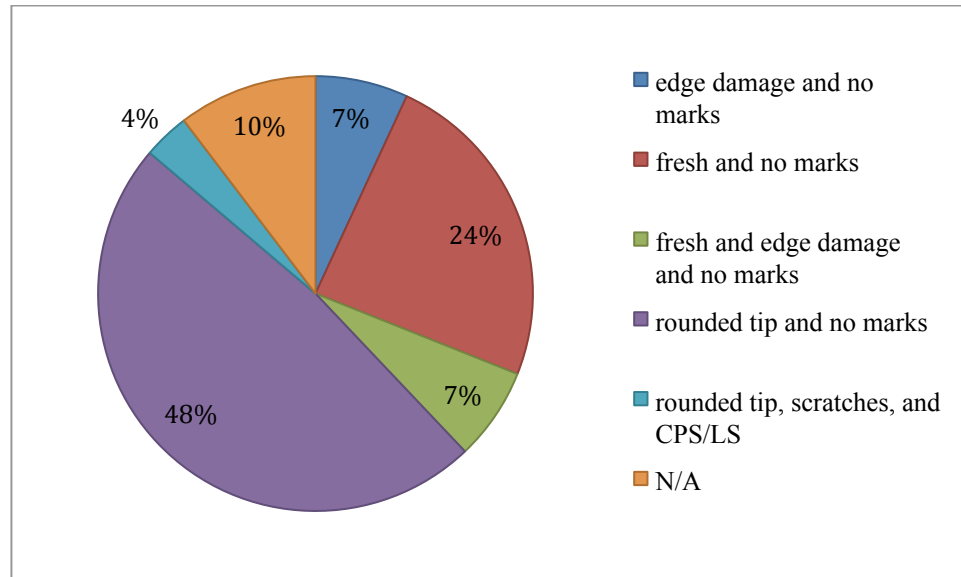


Figure D.19. Summary of use-wear results of chert perforating tools (N=29)

If we only consider primary production contexts, we find that of the 20 microdrills that were analysed, 11 appear to have been used and 9 appear fresh. These production contexts did contain an ample example or raw materials used in stone bead production, both used and unused (a number of broken preforms, roughouts, debitage and even nodules (Space 329 only)), so it is not surprising to find that both used and unused chert microdrills were also recovered from these production areas. The scarcity of obsidian perforating tools found at Çatalhöyük was the main reason why so few could be analysed for use-wear. Moreover, of the five found, only three had unbroken tips. Obsidian is a hard material but can be very brittle, especially when it is in the form of a perforator or microdrill. All three of the obsidian perforating tools (one needle or perforator and the two microdrills) had a rounded tip indicating that these tools had most likely been used. The needle or perforator also had edge damage, but no other significant marks. One of the microdrills had no use-wear marks but the second had concentric parallel striations indicating its use in order to create a mechanically drilled perforation. These marks would only have resulted if a hard material had been perforated. Unfortunately, no beads, finished or unfinished were found in this unit to verify this (unit 15717).

Bone tools are prevalent on site but the author could only conduct use-wear analyses on 5 bone awls and points, three of which were found with bead production refuse. All but one of the awls or points had a rounded tip, and this singular example was not found with production refuse. Other marks indicating use such as pitting, abrasion marks or a polish, are not present. These tools could have been used to perforate stone beads, especially those made from less hard materials, but based on such little evidence it is hard to say with certainty that the use-wear on these tools indicates that these tools were indeed used in stone bead production.

All three of these perforation tools are hard and essentially harder than the vast majority of raw materials used in stone bead production at Çatalhöyük. One would expect to find striations on the drills if they had been used to perforate harder materials. The roundedness of the tips however, especially in regards to chert and obsidian, is a good indicator of their use as perforating tools. According to the perforation morphologies created on stone beads and preforms, all three of these types of perforating tools are viable options, although the presence of chert microdrills adjacent to bead making materials in production contexts makes them the tool with the most direct evidence of use.

The chert microdrills were all found within heavy residue samples, which highlight the significance of and stress the need for fine sieving, water flotation, and heavy residue analyses in archaeological method and practice.

AREA	PHASE	BLDG	SPACE	UNIT #	GID	NUMBER	COMPLETE	MULTI-FACTOR	CONTEXT SUM	CONTEXT	MATERIAL	COLOUR	BEAD TYPE	STAGE OF MANU	SIZE	TEXTURE	H/M	PERF TYPE	PERF SIZE	PERF MARKS	LENGTH MARKS	END MARKS	EDGES	TECHNOLOGY COMMENTS		
SOUTH	L	6			4887	4887.H1	1	1/2 frag	0.5	1	floor, post hole fill	hard limestone	pale pink/beige	Ind	finished	Ind										
SOUTH	L	6			4799	4799.H1	1	Y	1	1	oven rakeout	phyllite	dark grey/black	ring	finished	1										
SOUTH	L	6			4290	4290.H1	1	Y	1	5	pit fill	tufa	dark red/brown	ring	finished	1										
SOUTH	L	6			4290	4290.H2	1	frag	0.25	5		dark red/brown	Ind	finished	Ind											
SOUTH	L	6			4397	4397.H1	1	2 frags	0.5	6	burial fill	tufa	dark red/brown	Ind	finished	Ind										
SOUTH	L	6			4397	4397.H3	1	1/2 frag	0.5	6	burial fill	soft saccharoidal marble	white	Ind	finished	2										
SOUTH	L	6			4890	4890.H1	1	Y	1	1	floor, floor make up	tufa	dark red/brown	ring	finished	2										
SOUTH	L	6			4895	4895.H1	0	0	1	1	floor	unknown	unknown	unknown	unknown	1										
SOUTH	L	6			4895	4895.H2	0	0	1	1	floor	unknown	unknown	unknown	unknown	1										
SOUTH	L	6			4895	4895.H3	1	1/2 frag	0.5	1	floor	phyllite	dark grey/black	ring	finished	1										
SOUTH	L	6			4898	4898.H1	1	1/2 frag	0.5	1	fire installation rake-out	tufa	pink/brown	disc	finished	1										
SOUTH	L	6			4898	4898.H2	1	Y	1	1	fire installation rake-out	phyllite	dark grey/black	disc	finished	2										
SOUTH	L	6			4930	4930.H1	0	0	1	6	burial fill	unknown	unknown	unknown	unknown	1										
SOUTH	L	6			4937	4937.H1	1	1/2 frag	0.5	1	rake-out	phyllite	dark grey/black	ring	finished	1										
SOUTH	L	6			4937	4937.H2	1	Y	1	1	rake-out	phyllite	dark grey/black	ring	finished	1										
SOUTH	L	6			4458	4458.X1C	0	0	6	6	burial fill	unknown	unknown	unknown	unknown	1										
SOUTH	L	6			4937	4937.H3	1	1/2 frag	0.5	1	rake-out	tufa	dark red/brown	ring	finished	1										
SOUTH	L	6			4464	4464.H3	1	frag	0.25	6	burial fill	impure marble	pink	Ind	finished	Ind										
SOUTH	L	6			4464	4464.H4	1	Y	1	6	burial fill	phyllite	dark grey/black	disc	finished	1										
SOUTH	L	6			4464	4464.H2	1	Y	1	6	burial fill	soft impure marble	white	disc	finished	2										
SOUTH	L	6			4397	4397.H2	1	Y	1	6	burial fill	tufa	pink/brown	ring	finished	1										
SOUTH	L	6			4614	4614.H2	1	Y	1	6	burial fill	black	ring	finished	1											
SOUTH	L	6			4458	4458.X1B	0	0	6	6	burial fill	unknown	unknown	unknown	unknown	1										
SOUTH	L	6			4458	4458.X1A	0	0	6	6	burial fill	unknown	unknown	unknown	unknown	1										
SOUTH	L	6			4450	4450.H2	1	Y	1	6	burial fill	serpentine	black	ring	finished	1										
SOUTH	L	6			4450	4450.H1	1	Y	1	6	burial fill	tufa	dark red/brown	ring	finished	1										
SOUTH	L	6			4406	4406.X1	20	20Y or more	20	2	2	skeleton	serpentine	black with flecks of green/grey	disc	finished	2/3									
SOUTH	L	6			4397	4397.H5	1	1/2 frag	0.5	6	burial fill	tufa	dark red/brown	ring	finished	2										
SOUTH	L	6			4397	4397.H4	1	Y	1	6	burial fill	pink/brown	ring	finished	2											
SOUTH	L	6			4458	4458.X1D	0	0	6	6	burial fill	unknown	unknown	unknown	unknown	1										
SOUTH	T	10			8052	8052.H1	1	Y	1	1	plaster floor	serpentine	black with green tint	ring	finished	1										
SOUTH	K	16			4305	4305.H1	2	1/4 frag	0.5	3	cluster of oboid deb	phyllite	dark grey/black	disc	finished	1	fine, compact	mechanical	uniconical/straight	wide/short	no striations/rough	smooth but rough	overall smooth	sharp		
SOUTH	K	16			4304	4304.H1	1	Y	1	1	ashy oven rakeout	impure marble	white	ring	finished	1	fine, compact	mechanical	biconical/straight	wide/med	no striations/rough	fine linear/smooth	overall smooth	sharp		
SOUTH	K	16			4304	4304.H2	1	Y	1	1	ashy oven rakeout	phyllite	grey	ring	finished	1	fine, compact, platy	mechanical	uniconical/straight	wide/med	no striations/rough	fine linear/smooth	overall smooth	sharp		
SOUTH	K	16			4316	4316.H4	1	Y	1	1	ashy oven rakeout	tufa	dark red/brown	ring	finished	1	fine, compact	mechanical	biconical/straight	wide/med	no striations/rough	fine linear/smooth	overall smooth	sharp		
SOUTH	K	16			4343	4343.H1	1	1/4 frag	0.25	1	1	floor/clean plaster	tufa	dark red/brown	ring	finished	1	fine, compact	mechanical	biconical/straight	wide/short	no striations/rough	ind smooth	overall smooth	sharp	
SOUTH	K	16			4344	4344.H2	1	Y	1	1	dirty tramples/rakeout	serpentine	grey/green	ring	finished	1	fine, compact	mechanical	biconical/straight	wide/short	no striations/rough	smooth	overall smooth	rounded		
SOUTH	K	16			4344	4344.H3	1	1/2 frag	0.5	1	1	dirty trample/rakeout	saccharoid soft marble	white	ring	finished	2	fine, compact	mechanical	biconical/slanted	wide/long	no striations/rough	rough	overall smooth	sharp	
SOUTH	K	16			4304	4304.H4	1	Y	1	1	ashy oven rakeout	phyllite	dark grey/black	ring	finished	2	fine, compact, platy	mechanical	uniconical/straight	wide/short	rough	fine linear/smooth	overall smooth	sharp		
SOUTH	K	16			4304	4304.H3	1	Y	1	1	ashy oven rakeout	scatrite	brown/green flecks	ring	finished	2	fine, compact	mechanical	biconical/slanted	wide/long	v.faint striations/smooth	linear medium	overall smooth	sharp		
SOUTH	K	17			5362	5362.H2	1	frag	0.25	1	1	floor	soft impure marble	ring	finished	1	fine, compact									
SOUTH	K	17			5242	5242.H4	1	1/2 frag	0.5	1	1	floor surfaces; makeup	soft impure marble	white	ring	finished	1	fine, compact, smooth								
SOUTH	K	17			5243	5243.H1	1	1/2 frag	0.5	1	1	makeup for floor; surfaces	phyllite	dark grey/black	ring	finished	1	fine, compact, platy								
SOUTH	K	17			5335	5335.H1	1	1/2 frag	0.5	1	1	floor; thick floor layer	tufa	dark red	ring	finished	1	fine, compact	mechanical	biconical/straight	wide/short	no striations/linear	linear/fine/smooth	rough but overall smooth	sharp	
SOUTH	K	17			5193	5193.H1	1	frag	0.25	1	1	trample above floors	hard limestone	pale pink/beige	ring	finished	1	limestone/medium	mechanical	biconical/straight	wide/med	faint striae/linear	rough but overall smooth	linear/medium	sharp	
SOUTH	K	17			5335	5335.H2	1	1/2 frag	0.5	1	1	floor; thick floor layer	impure marble/calcite	orange/pink and white	ring	finished	3	limestone/medium	mechanical	bicon/straight	wide/med	rough	linear/fine/smooth	rough but overall smooth	sharp	
SOUTH	K	17			5342	5342.H1	1	frag	0.25	1	1	two floor surfaces which overlay a platform	hard limestone	beige	ring	finished	Ind	fine, compact	mechanical	biconical/straight	wide/med	rough	rough but overall smooth	linear/medium	sharp	
SOUTH	K	17			5362	5362.H1	1	1/2 frag	0.5	1	1	floor	tufa	dark red	ring	finished	1	fine, compact	Two-handed	biconical/slanted	wide/med	rough	rough but overall smooth	linear/fine	sharp	
SOUTH	K	17			5362	5362.H3	1	1/2 frag	0.5	1	1	floor	unknown	dark grey/black	ring	finished	1	fine, compact	uniconical/straight	wide/short	rough	linear/fine/smooth	rough	sharp		
SOUTH	K	17			5242	5242.H3	1	1/2 frag	0.5	1	1	floor surfaces; makeup	tufa	dark red	ring	finished	1	fine, compact, tight								
SOUTH	K	17			5349	5349.H1	1	1/2 frag	0.5	6	6	lower fill of burial	tufa	dark red	ring	finished	1	fine, compact								
SOUTH	K	17			5037	5037.H3	1	almost Y	1	1	1	layer pos used as floor	tufa	dark red	ring	finished	1	limestone/medium	mechanical	biconical/straight	wide/med	faint striae/linear	linear/medium	rough but overall smooth	sharp	
SOUTH	K	17			5229	5229.H2	1	frag	0.25	4	4	middle infill on floor	hard limestone	pale pink/brown	Ind	preform	Ind	limestone/tight	mechanical	uniconical/straight	wide/short	CPS	n/a	rough but overall smooth	n/a	
SOUTH	K	17			5152	5152.H1	1	frag	0.25	6	6	upper grave fill	hard limestone	pale pink/brown	ring	finished	1	limestone/loose	mechanical?	biconical/straight	wide/short	faint striae/linear	linear/medium	rough but overall smooth	sharp	
SOUTH	K	17			5073	5073.H1	1	frag	0.25	1	1	floor	scatrite	dark grey/black	ring	finished	1	loose platy	mechanical?	biconical/straight	wide/short	faint striae/linear	linear/medium	rough but overall smooth	sharp	
SOUTH	K	17			5066	5066.H1	1	frag	0.25	1	1	poss dirty floor	tufa	pink/brown	ring	finished	1	limestone/loose	mechanical	biconical/straight	wide/med	very faint striae/linear	rough but overall smooth	linear/medium	sharp	
SOUTH	K	17			5043	5043.X2	1	almost Y	1	1	1	accum occupation	soft impure marble	white	ring	finished	3	limestone/tight	mechanical	biconical/straight	wide/med	faint striae/linear	linear/medium	rough but overall smooth	sharp	
SOUTH	K	17			5038	5038.H2	1	Y	1	1	1	rake out	scatrite	dark grey/black	ring	finished	1	platy	two-handed	biconical/slanted	wide/med	faint striae	linear/medium	rough	sharp	
SOUTH	K	17			5038	5038.H1	2	1/2 frag	1	1	1	rake out	phyllite	dark grey/black	ring	finished	1	platy	biconical/straight	wide/short	faint striae	linear/medium	rough but overall smooth	sharp		
SOUTH	K	17			5152	5152.H3	1	Y	1	6	6	upper grave fill	soft impure marble	beige	ring	finished	1	limestone/medium	mechanical	biconical/straight	wide/med	CPS	linear/fine/smooth	rough but overall smooth	sharp	
SOUTH	K	17			5037	5037.H4	1	Y	1	1	1	laver pos used as floor	tufa	dark red	ring	finished	1									
SOUTH	K	17			5152	5152.H4	1	Y	1	6	6	upper grave fill	phyllite/schist	dark grey/black	ring	finished	2									
SOUTH	K	17			5037	5037.H2	1	Y	1	1	1	laver pos used as floor	phyllite?	dark grey/black	ring	finished	3									
SOUTH	K	17			5037	5037.H1	4	frags	1	1	1	laver pos used as floor	unknown	dark grey/black	Ind	Ind	Ind									
SOUTH	K	17			5034	5034.H1	1	Y	0	1	1	oven rake out	tufa	dark red	ring	finished	2									
SOUTH	K	17			5021	5021.H9	1	1/2 frag	0.5	1	1	floor-oven rakeout	tufa	dark red	ring	finished	3	limestone/medium	mechanical	biconical/stright	wide/short	faint striae/linear	rough	rough	sharp	
SOUTH	K	17			5021	5021.H8	1	Y	1	1	1	floor-oven rakeout	tufa	pink/brown	ring	finished	1	limestone/medium	mechanical	biconical/straight	wide/med	CPS	linear/fine/smooth	rough but overall smooth	sharp	
SOUTH	K	17			5021	5021.H7	1	Y	1	1	1	floor-oven rakeout	phyllite	dark grey/black	ring	finished	1	platy	mechanical	biconical/straight	wide/short	faint striae/linear	linear/medium	rough but overall smooth	sharp	
SOUTH	K	17			5021	5021.H6	2	1/2 frags	1	1	1	floor-oven rakeout	phyllite	dark grey/black	ring	finished	1	platy	mechanical	biconical/straight	wide/short	faint striae/linear	linear/medium	rough	sharp	
SOUTH	K	17			5021	5021.H5	1	frag	0.25	1	1	floor-oven rakeout	phyllite	dark grey/black	ring	finished	1									
SOUTH	K	17			5037	5037.H5	1	Y	1	1	1	laver pos used as floor	phyllite	dark grey/black	ring	finished	2									
SOUTH	K	17			5173	5173.X2	1	Y	1	6	6	lower grave fill	soft saccharoid marble	white and beige	ring	finished	3	limestone/loose	***	biconical/slight slant	wide/med	faint striae/linear	linear/medium	rough but overall smooth	rounded	
SOUTH	K	17			5241	5241.H1	2	1/2 frag	1	1	1	floor-occup.deposits														

[illegible]

SOUTH	J	23		4987	4987.X14	1	Y	1	1	dirty floor surface/ occupation debris/ make- up	impure marble	white	disc	finished	3	fine, compact	mechanical	biconical/straight	wide/short	vFLS-smooth	vFLS-smooth	overall smooth	sharp	
SOUTH	J	23		4987	4987.H2	1	Y	1	1	dirty floor surface/ occupation debris/ make- up	steatite	black	ring	finished	1	fine, compact, platev	mechanical	ind./straight	wide/short	vFLS-smooth	vFLS-smooth	overall smooth	sharp	strange shape, kinda squarish!
SOUTH	J	23		4987	4987.H1	1	1/2 frag	0.5	1	dirty floor surface/ occupation debris/ make- up	tufa	pink/brown	ring	finished	1	fine, compact	indeterminate	biconical/straight	wide/short	rough	rough	overall smooth	?	highly eroded/ individually made? Very round height
SOUTH	J	23		4504	4504.H1	1	Y	1	1	floor layers	tufa	dark red	ring	finished	1	fine, compact	mechanical	biconical/straight	wide/med	faint linear striations	faint linear	overall smooth	sharp	
SOUTH	R	42		11325	11325.X1	4	4 frags	1	1	make up,surface	fluorapatite	sky blue	Ind	Ind	Ind									
SOUTH	R	42		5427	5427.H1	1	Y	1	1	floor/floors	steatite	black	Ind	preform	Ind									
SOUTH	R	42		11315	11315.X3	1	Y	1	6	grave fill	tufa	pink/brown	ring	finished	2									
SOUTH	R	42		10450	10450.X2B	1	Y	1	2	skeleton	hematite	metallic grey	Pendant?	finished	4									
SOUTH	R	42		10450	10450.X2A	1	Y	1	2	skeleton	hematite	metallic grey	Pendant?	finished	5									
SOUTH	R	42		10498	10498.X1	0		0	2	skeleton	unknown			unknown										
SOUTH	R	42		11315	11315.X4	1	Y	1	6	grave fill	soft sacroidal marble	white	pendant	finished	6	Beautiful!!!								
SOUTH	R	42		11305	11305.H1	1	Y	1	6	grave fill	serpentinite	black	ring	finished	2									
SOUTH	R	42		11315	11315.X2	1	Y	1	6	grave fill	tufa	pink/brown	ring	finished	2									
SOUTH	R	42		11315	11315.X1	1	Y	1	6	grave fill	soft limestone	pale pink/brown	ring	finished	2									
SOUTH	R	42		11313	11313.X1	1	Y	1	6	grave fill	tufa	dark red/brown	ring	finished	2									
SOUTH	R	42		11312	11312.X1	0		0	6	back fill/grave fill	unknown			unknown										
SOUTH	R	42		11306	11306.X3	1	Y	1	2	skeleton	fluorapatite	pale green	rectangular double perforation	finished	6									
SOUTH	R	42		11305	11305.H2	1	Y	1	6	grave fill	serpentinite	black with green tint	ring	finished	2									
SOUTH	R	42		11315	11315.X2	1	Y	1	6	grave fill	tufa	pink/brown	ring	finished	2									
SOUTH	L	43		10529	10529.X14	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	cyindrical	finished	5									
SOUTH	L	43		10529	10529.X15	4	frags	1	2	burial;child skeleton	serpentinite	black with green tint	Ind	finished	Ind									
SOUTH	L	43		10529	10529.X16	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	axe head	finished	8									
SOUTH	L	43		10529	10529.X17	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	cyindrical	finished	3									
SOUTH	L	43		10529	10529.X18	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	cyindrical	finished	3									
SOUTH	L	43		10529	10529.X19	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white with black flecks	axe head	finished	8									
SOUTH	L	43		10529	10529.X2	3	2.5 frags	0.75	2	burial;child skeleton	serpentinite	black with green tint	cyindrical	finished	Ind									
SOUTH	L	43		10529	10529.X13	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	cyindrical	finished	4									
SOUTH	L	43		10529	10529.X21	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	axe head	finished	8									
SOUTH	L	43		10529	10529.X10A	92	Y	92	2	burial;child skeleton	soft limestone	beige/pale pink	ring	finished	2									
SOUTH	L	43		10529	10529.X20	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	axe head	finished	8									
SOUTH	L	43		10529	10529.X12B	3	frags	0.75	2	burial;child skeleton	soft sacroidal marble	white	disc	finished	Ind									
SOUTH	L	43		10529	10529.X12	106	Y	106	2	burial;child skeleton	soft sacroidal marble	white	disc	finished	3 or 4									
SOUTH	L	43		10529	10529.X11	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	cyindrical	finished	4									
SOUTH	L	43		10529	10529.X22	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	axe head	finished	8									
SOUTH	L	43		10524	10524.H1	144	Y	144	6	fill of cut/grave fill	soft limestone	pale pink/beige	ring	finished	2									
SOUTH	L	43		10529	10529.X3	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	cyindrical	finished	5									
SOUTH	L	43		10529	10529.X1	6	Y	6	2	burial;child skeleton	soft limestone	beige/pale pink	ring	finished	2									
SOUTH	L	43		10529	10529.H2B	6	frags	1.5	2	burial;child skeleton	soft limestone	beige/pale pink	ring	finished	Ind									
SOUTH	L	43		10524	10524.H2	30	30/frags	7.5	6	fill of cut/grave fill	soft limestone	pale pink/beige	Ind	finished	Ind									
SOUTH	L	43		10524	10524.H3	3	Y	3	6	fill of cut/grave fill	soft limestone	pale pink/beige	ring	finished	2									
SOUTH	L	43		10529	10529.H1	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	axe head	finished	8									
SOUTH	L	43		10529	10529.X10B	7	frags	1.75	2	burial;child skeleton	soft limestone	beige/pale pink	ring	finished	Ind									
SOUTH	L	43		10529	10529.X34	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white with black veins	axe head	finished	9									
SOUTH	L	43		10529	10529.X6	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	cyindrical	finished	5									
SOUTH	L	43		10529	10529.X7	1	almost Y	1	2	burial;child skeleton	serpentinite	black with green tint	cyindrical	finished	5									
SOUTH	L	43		10529	10529.X4	3	frags	0.75	2	burial;child skeleton	serpentinite	black with green tint	Ind	finished	Ind									
SOUTH	L	43		10529	10529.X37	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	collared butterfly	finished	7									
SOUTH	L	43		10529	10529.X28	1	1/2 frag	0.5	2	burial;child skeleton	serpentinite	black with green tint	axe head	finished	Ind									
SOUTH	L	43		10529	10529.X8	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	cyindrical	finished	3									
SOUTH	L	43		10529	10529.X23	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	axe head	finished	7									
SOUTH	L	43		10529	10529.X9	2	2 frags	1	2	burial;child skeleton	serpentinite	black with green tint	cyindrical	finished	3									
SOUTH	L	43		10529	10529.X36	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white with black veins,some patches	axe head	finished	8									
SOUTH	L	43		10529	10529.X5	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	cyindrical	finished	4									
SOUTH	L	43		10529	10529.X35	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	axe head	finished	7									
SOUTH	L	43		10529	10529.X33	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	cyindrical	finished	4									
SOUTH	L	43		10529	10529.X32	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	cyindrical	finished	4									
SOUTH	L	43		10529	10529.X31	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white with some black patches	axe head	finished	8									
SOUTH	L	43		10529	10529.X30	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	axe head	finished	8									
SOUTH	L	43		10529	10529.H2	45	Y	45	2	burial;child skeleton	soft limestone	beige/pale pink	ring	finished	2									
SOUTH	L	43		10529	10529.X29	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	cyindrical	finished	5									
SOUTH	L	43		10529	10529.X27	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	axe head	finished	8									
SOUTH	L	43		10529	10529.X26	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	cyindrical	finished	3									
SOUTH	L	43		10529	10529.X25	1	Y	1	2	burial;child skeleton	soft sacroidal marble	white	cyindrical	finished	4									
SOUTH	L	43		10529	10529.X24	1	Y	1	2	burial;child skeleton	serpentinite	black with green tint	axe head	finished	8									
SOUTH	S	44		8053	8053.H1	1	1/2 frag	0.5	1	floor	diorite	grey/green	Ind	finished	2									
SOUTH	S	44		11649	11649.X1	1	Y	1	2															

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SOUTH	P	75	17001	17001.H2	1	Y	1	1	trampled layer	hard limestone	pale pink/brown	conical	finished	2	fine, compact	M	biconical/straight	wide/med	LS on smooth	smooth	smooth	one side sharp the other round
SOUTH	P	75	17001	17001.H1	1	Y	1	1	trampled layer	phyllite	grey/brown	ring	finished	2	medium, compact	M	biconical/straight	wide/short	smooth no marks	smooth	smooth	round
SOUTH	P	75	16588	16588.H1	1	frag	0.25	1	trampled surface	calcite	orange and yellow	disc	finished	3	fine, compact	M	biconical/straight	wide/long	smooth no marks	n/a	smooth	sharp
SOUTH	P	75	16583	16583.H2	1	1/2 frag	0.5	3	object cluster	fluorapatite	sky blue	barrel disc	finished	3	fine,compact, banding	M	biconical/slanted	wide/long	fts on rough	n/a	rough	round
SOUTH	P	75	16565	16565.H4	1	Y	1	1	floor/surface/makeup	tufa	dark red/brown	Ind	preform	Ind								
SOUTH	P	75	16572	16572.H1	1	Y	1	1	surface/dump	serpentinite	dark green/black	cylindrical	finished	3	fine, compact	M	biconical/straight	wide/long	fts on smooth	is smooth	smooth	sharp
SOUTH	P	75	16565	16565.H5	1	Y	1	1	floor/surface/makeup	tufa	dark red/brown	Ind	roughout	Ind			n/a	n/a	n/a	abrasion facets	abrasion marks	n/a
SOUTH	P	75	16565	16565.H5	1	Y	1	1	floor/surface/makeup	tufa	dark red/brown	Ind	roughout	Ind			n/a	n/a	n/a	abrasion facets	abrasion marks	n/a
SOUTH	P	75	16565	16565.H6	1	Y	1	1	floor/surface/makeup	biotite	black and shiny brown	Ind	natural?	Ind								
SOUTH	P	75	16564	16564.H1	1	Y	1	1	surface layer over burial	serpentinite	black with green tint	ring	finished	1	compact, platy, dend	M	uniconical/straight	wide/short	rough, no marks	very faint l/s	dend habit	sharp
SOUTH	P	75	16567	16567.H1	1	Y	1	1	on floor in F.2561	phyllite	dark grey/black	disc	finished	1	medium compact	M	?/straight	wide/short	rough	fts	smooth	sharp
NORTH	H	88	14163	14163.H1B	2	Y	2	6	burial fill in F.2561	phyllite	brown/black	disc	finished	2								
NORTH	H	88	14147	14147.X1A	1	frag	0.25	6	burial fill in double infant/monate burial	fluorapatite	sky blue	Ind	indeterminate	Ind								
NORTH	H	88	14147	14147.X1B	1	1/2 frag	0.5	6	burial fill in double infant/monate burial	fluorapatite	blue	cylindrical	finished	2								
NORTH	H	88	14149	14149.H1	1	frag	0.25	6	fill around neonatal skeleton on floor in SE corner	fluorapatite	sky blue	Ind	indeterminate	1								
NORTH	H	88	14163	14163.H1A	1	1/2 frag	0.5	6	burial fill in F.2561	serpentinite	grey/green	ring	finished	2								
NORTH	H	88	14166	14166.H1	1	1/2 frag	0.5	6	burial fill in F.2562	serpentinite	black	ring	finished	2								
NORTH	H	88	14151	14151.H1	3	Y	3	6	fill around burial	phyllite	black/brown	ring	finished	2=2,1=1								
SOUTH	T	119	2617	2617.H2	1	Y	1	1	levelling dump/midden	stearite	brown/green	ring	finished	2								
SOUTH	T	119	2617	2617.H3	1	Y	1	4	levelling dump/midden	stearite	black	ring	finished	2								
SOUTH	T	119	14038	14038.H1	1	1/2 frag	0.5	4	midden dep	tufa	pink/brown and white	ring	finished	2								
SOUTH	T	119	14059	14059.H1	1	Y	1	4	dumped dep/levelling	soft marble/calcite	white	conicalish	finished	5								
SOUTH	T	119	14059	14059.X1	1	Y	1	4	dumped dep/levelling	stearite	light brown/green	pendant	finished	11 to 20	long,rectangular							
SOUTH	T	119	2609	2609.H2B	1	Y	1	4	midden	stearite	black	disc	finished	2	pendant							
SOUTH	S	129	14559	14559.X3	1	Y	1	4	ext. midden deposit	impure soft marble/calcite	off-white	cylindrical	finished	9								
SOUTH	S	129	16258	16258.X1	1	Y	1	4	midden	fluorapatite	sky blue	long elliptical	finished	6								
SOUTH	S	129	16260	16260.H1	1	1/2 frag	0.5	4	midden	carnelian	orange/brown	lenticular	finished	11 to 20								
SOUTH	S	129	16253	16253.H4	1	1/2 frag	0.5	4	ext. midden deposit	fluorapatite	sky blue&muddled white	Ind	preform	Ind								
SOUTH	S	129	16253	16253.H3	1	1/2 frag	0.5	4	ext. midden deposit	fluorapatite	sky blue	lenticular	finished	4								
SOUTH	S	129	16253	16253.H2	1	Y	1	4	ext. midden deposit	tufa	dark red	disc	finished	4								
SOUTH	S	129	16253	16253.H1	1	Y	1	4	ext. midden deposit	serpentinite	black with green tint	cylindrical	finished	8								
SOUTH	S	129	14587	14587.H3	1	Y	1	4	ext. midden deposit	stearite	black with green tint	cylindrical	finished	6								
SOUTH	S	129	14587	14587.H2	1	Y	1	4	ext. midden deposit	serpentinite	very pale green with black along height	disc	finished	3								
SOUTH	S	129	14587	14587.H1	1	Y	1	4	ext. midden deposit	freshwater limestone?	beige	perforated pebble	finished	7								
SOUTH	S	129	16260	16260.H2	1	Y	1	4	midden	serpentinite	black/brown/green	barrel disc	finished	3								
SOUTH	S	129	14572	14572.H1	1	Y	1	4	ext. midden deposit	serpentinite	dark brown/black/green	barrel ring	finished	3								
SOUTH	S	129	14572	14572.H1B	0		0	4	ext. midden deposit	unknown			unknown									
SOUTH	S	129	14572	14572.X3	1	Y	1	4	ext. midden deposit	impure marble?	muddled beige&browns	disc	finished	5								
SOUTH	S	130	16262	16262.H1	1	Y	1	4	midden; trodden surface	freshwater limestone	beige	perforated pebble	finished	7								
SOUTH	S	130	16277	16277.H1	1	Y	1	4	external space; trodden surface	stearite	black and beige	disc	finished	3								
SOUTH	S	130	16262	16262.H2	1	Y	1	4	midden; trodden surface	serpentinite	black with green tint	ring	finished	2								
SOUTH	S	130	16262	16262.H3	1	Y	1	4	midden; trodden surface	serpentinite	black with green tint	ring	finished	2								
SOUTH	S	131	14533	14533.X12	1	Y	1	4	midden like deposit	fluorapatite	sky blue&muddled white	lenticular	finished	3								
SOUTH	S	131	14533	14533.X13	1	Y	1	4	midden like deposit	stearite	black and brown	double concave disc	finished	3	face cut! Really cool!							
SOUTH	S	131	14533	14533.X14	1	Y	1	4	midden like deposit	turquoise	sky blue	round-round	finished	2								
SOUTH	S	131	14533	14533.X11	1	Y	1	4	midden like deposit	serpentinite	black with green tint	cylindrical	finished	3								
SOUTH	P	132	14827	14827.H1B	1	Y	1	4	midden	phyllite	black	disc	finished	2								
SOUTH	P	132	14831	14831.H1	1	frag	0.25	5	fill of pit	serpentinite	grey	Ind	indeterminate	Ind								
SOUTH	P	132	12540	12540.X1	1	Y	1	4	dump	freshwater limestone?	beige/brown	perforated pebble	finished	8								
SOUTH	P	132	12553	12553.H1	1	Y	1	4	midden	phyllite	black/brown	disc	finished	1								
SOUTH	P	132	14827	14827.H1E	27	Y	27	4	midden	phyllite&chert	dark grey/black	disc and ring	finished	1								
SOUTH	P	132	14827	14827.H1E	1	Y	1	4	midden	phyllite	grey/brown	ring	finished	1								
SOUTH	P	132	12526	12526.H2	1	1/2 frag	0.5	4	midden	stearite	green/brown	ring-squarish	finished	2								
SOUTH	P	132	14827	14827.H1C	1	Y	1	4	midden	serpentinite	black with green tint	disc	finished	2								
SOUTH	P	132	12519	12519.X2	1	Y	1	4	midden	serpentinite	black with green tint	cylindrical barrel	finished	4								
SOUTH	P	132	14827	14827.H1	1	Y	1	4	midden	serpentinite	black with green tint	disc	finished	2								
SOUTH	P	132	14827	14827.H1D	1	Y	1	4	midden	unknown	black	round-lens	finished	1								
SOUTH	P	132	12524	12524.X10	1	Y	1	4	lime burning waste	serpentinite	black with green tint	cylindrical barrel	finished	4								
SOUTH	P	132	14821	14821.H1	1	Y	1	5	fill of pit	phyllite	black/brown	ring	finished	1								
SOUTH	P	132	12524	12524.H1	1	Y	1	4	lime burning waste	serpentinite	black with green tint	disc	finished	2								
SOUTH	P	132	12504	12504.H6	1	Y	1	4	midden;fill of pit	soft limestone	pale pink/brown	disc	finished	2								
SOUTH	P	132	12508	12508.H1	1	Y	1	4	midden	serpentinite	dark brown and black	cylindrical barrel-concave	finished	3								
SOUTH	P	132	12504	12504.H5	1	1/2 frag	0.5	4	midden;fill of pit	phyllite	grey	ring	finished	2								
SOUTH	P	132	12504	12504.H3	1	1/2 frag	0.5	4	midden;fill of pit	serpentinite	grey/brown	Ind	finished	2								
SOUTH	P	132	12504	12504.H2	1	Y	1	4	midden;fill of pit	serpentinite	muddled grey/green tint	disc	finished	3								
SOUTH	P	132	12504	12504.H1	1	Y	1	4	midden;fill of pit	copper	green copper	ring	unknown									
SOUTH	P	132	12502	12502.H1	1	Y	1	4	ext. midden	phyllite	grey/brown	ring	finished	2								
SOUTH	P	132	18137	18137.H1	1	Y	1	4	midden	Ind	dark red/brown	preform	Ind									
SOUTH	P	132	12524	12524.H1B	1	Y	1	4	lime burning waste	calcite	sea green	round	finished	3								
SOUTH	P	132	12504	12504.H4	1	Y	1	4	midden;fill of pit	serpentinite	grey/brown	Ind	finished	1								
SOUTH	P	132	14317	14317.H1	1	Y	1	5	lower fill of poss pit	phyllite?	grey and brown	ring	finished	2								
SOUTH	7M	168	4215	4215.H6	1	Y	1	2	skeleton	hard limestone/soft marble	white	ring	finished	2								
SOUTH	7M	168	4214	4214.H1	1	Y	1	6	grave fill	impure marble	beige	ring	finished	2								
SOUTH	7M	168	4215	4215.X5	0		0	2	skeleton	unknown		unknown	unknown									
SOUTH	7M	168	4215	4215.X4	0		0	2	skeleton	unknown		unknown	unknown									
SOUTH	7M	168	4215	4215.X3	0		0	2	skeleton	unknown		unknown	unknown									
SOUTH	7M	168	1007	1007.H1	1	Y	1	6	grave fill	hard limestone/soft marble	white	ring	finished	2								
SOUTH	7M	168	4215	4215.X1	0		0	2	skeleton	unknown		unknown	unknown									
SOUTH	7M	168	4215	4215.H5	1	Y	1	2	skeleton	hard limestone/soft marble	white	ring	finished	2								
SOUTH	7M	168	4215	4215.H4	1	Y	1	2	skeleton	hard limestone/soft marble	white	disc	finished	2								
SOUTH	7M	168	4215	4215.H3	1	Y	1	2	skeleton	serpentinite	grey/green	disc	finished	2								
SOUTH	7M	168	4215	4215.H2	1	Y	1	2	skeleton	hard limestone/soft marble	white	disc	finished	2								
SOUTH	7M	168	4214	4214.H4	1	1/2 frag	0.5	6	grave fill	hard limestone/soft marble	white	disc	finished	2								
SOUTH	7M	168	4214																			

SOUTH	G			181	4842	4842.H7	1	1/2 frag	0.5	4			dump/pit	hard limestone	pale pink/brown	Ind	preform	Ind	limestone/med	mechanical	uniconical/straight	wide/med		CPS		n/a		rough		n/a	snapped during perforation, one side drilled other side snapped.	
SOUTH	G			181	4838	4838.H13	1	Y	1	4			dump/midden	phyllite	dark grey	ring	finished	1		limestone/med	mechanical	biconical/straight	wide/med				linear/fine/smooth	rough but overall smooth	sharp			
SOUTH	G			181	4871	4871.H6	1	Y	1	4			dump/midden	tufa	dark pink	ring	finished	1														
SOUTH	G			181	4838	4838.H14	1	Y	1	4			dump/midden	hard limestone	pale pink	ring	finished	2		limestone/med	mechanical	biconical/straight	wide/short				faint striae/linear	linear/fine/smooth	rough but overall smooth	sharp		
SOUTH	G			181	4838	4838.H13	1	1/2 frag	0.5	4			dump/midden	hard limestone	pale pink/brown	Ind	preform	Ind														snapped during perforation
SOUTH	G			181	4842	4842.H8	1	1/2 frag	0.5	4			pit fill	soft impure marble	white	ring	finished	2														
SOUTH	G			181	4838	4838.H11	1	frag	0.25	4			dump/midden	tufa	dark red	ring	finished	1														
SOUTH	G			181	4838	4838.H10	1	1/2 frag	0.5	4			dump/midden	hard limestone	pink/brown	Ind	preform	Ind	limestone/med	mechanical	biconical/straight	wide/med		CPS		n/a		rough		sharp		3/4 + 1/4; striations parallel but at 45degree angle
SOUTH	G			181	4838	4838.H38	1	1/2 frag	0.5	4			dump/midden	tufa	dark pink	wide/short			limestone/med	mechanical	biconical/straight	wide/short		CPS		n/a		rough		n/a		perforation snap
SOUTH	G			181	4838	4838.H7	1	1/2 frag	0.5	4			dump/midden	phyllite	grey	ring	finished	1														
SOUTH	G			181	4839	4839.H15	1	Y	1	4			dump/midden	tufa	dark red	ring	finished	1														
SOUTH	G			181	4838	4838.H8	2	frags	0.5	4			dump/midden	tufa	dark red	ring	finished	1														
SOUTH	G			181	4839	4839.H14	1	frag	0.25	4			dump/midden	soft impure marble	white	ring	finished	1														
SOUTH	G			181	4839	4839.H12	1	1/2 frag	0.5	4			dump/midden	phyllite	dark grey/green	ring	finished	1														
SOUTH	G			181	4839	4839.H10	1	1/2 frag	0.5	4			dump/midden	hard limestone	pale pink/beige	Ind	preform	Ind														
SOUTH	G			181	4838	4838.H9	1	1/2 frag	0.5	4			dump/midden	tufa	dark red	Ind	preform	Ind	limestone/med	mechanical	uniconical/straight	wide/med		CPS		n/a		rough		n/a		perforation snap
SOUTH	G			181	4838	4838.H19	1	1/2 frag	0.5	4			dump/midden	phyllite	dark grey/black	ring	finished	1														
SOUTH	G			181	4838	4838.H39	1	frag	0.25	4			dump/midden	tufa	dark pink	Ind	preform	Ind	limestone/med	mechanical	uniconical/straight	wide/short		CPS		n/a		rough		n/a		perforation snap
SOUTH	G			181	4871	4871.H8	2	frags	0.5	4			dump/midden	tufa	dark red	ring	finished	1														
SOUTH	G			181	4838	4838.H26	1	1/2 frag	0.5	4			dump/midden	phyllite	dark grey/black	ring	finished	1														
SOUTH	G			181	4838	4838.H25	1	frag	0.25	4			dump/midden	hard limestone	pink/brown	ring	finished	1														
SOUTH	G			181	4838	4838.H24	1	Y	1	4			dump/midden	serpentinite	dark grey/black	ring	finished	1														
SOUTH	G			181	4873	4873.H1	1	1/2 frag	0.5	4			burning event/firespot	tufa	dark red/brown	Ind	finished	1														
SOUTH	G			181	4838	4838.H23	1	1/2 frag	0.5	4			dump/midden	hard limestone	pale pink/brown	Ind	preform	Ind														
SOUTH	G			181	4871	4871.H9	2	frags	0.5	4			dump/midden	tufa	dark red	ring	finished	1														
SOUTH	G			181	4838	4838.H22	1	1/2frag	0.5	4			dump/midden	hard limestone	pale pink/brown	ring	finished	1			limestone/med	mechanical	uniconical/straight	wide/short		CPS		n/a		rough		n/a
SOUTH	G			181	4838	4838.H37	1	almost Y	1	4			dump/midden	phyllite	dark grey/black	ring	finished	1														
SOUTH	G			181	4838	4838.H17	1	frag	0.25	4			dump/midden	tufa	pink/brown	ring	finished	1														
SOUTH	G			181	4842	4842.H9	2	almost Y	1	4			pit fill	calcite	pale pink	ring	finished	1		limestone/med	mechanical	biconical/straight	wide/med				no striation/smooth	faint linear lines	smooth	sharp		
SOUTH	G			181	4871	4871.H7	1	1/2 frag	0.5	4			dump/midden	phyllite	dark grey/black	ring	finished	1														
SOUTH	G			181	4838	4838.H21	1	Y	1	4			dump/midden	phyllite	grey	ring	finished	1														
SOUTH	G			181	4838	4838.H20	1	Y	1	4			dump/midden	phyllite	grey	ring	finished	1														
SOUTH	G			181	4838	4838.H28	1	1/2 frag	0.5	4			dump/midden	phyllite	dark grey/black	ring	finished	1														
SOUTH	G			181	4838	4838.H18	1	Y	0.5	4			dump/midden	phyllite	grey	ring	finished	1														
SOUTH	G			181	4838	4838.H16	1	frag	0.25	4			dump/midden	hard limestone	pale pink	ring	finished	2		limestone/loose	mechanical	biconical/straight	wide/med				no striation/smooth	smooth	faint linear lines	sharp		drilling 3/4 + 1/4
SOUTH	G			181	4839	4839.H4	1	frag	0.25	4			dump/midden	tufa	dark red	ring	finished	ind														
SOUTH	G			181	4839	4839.H5	1	1/2 frag	0.5	4			dump/midden	tufa	dark pink	ring	finished	1		limestone/loose	mechanical	biconical/straight	wide/short				no striation/smooth	smooth	faint linear lines	sharp		
SOUTH	G			181	4839	4839.H6	1	Y	1	4			dump/midden	hard limestone	pink	ring	finished	1		limestone/loose	mechanical	biconical/straight	wide/short				very faint striae/smooth	linear/fine/smooth	rough but overall smooth	sharp		
SOUTH	G			181	4839	4839.H7	1	1/2 frag	0.5	4			dump/midden	hard limestone	pale pink/beige	Ind	preform	Ind	limestone/med	mechanical	uniconical/straight	wide/med		CPS		n/a		n/a		n/a		snapped during perforation, one side drilled other side snapped.
SOUTH	G			181	4873	4873.H2	1	frag	0.25	4			burning event/firespot	phyllite	dark grey/black	Ind	finished	1														
SOUTH	G			181	4842	4842.H3	1	Y	1	4			pit fill in middle	phyllite	dark pink	ring	finished	2														
SOUTH	G			181	4842	4842.H2	1	frag	0.25	4			pit fill in middle	phyllite	dark pink	ring	finished	3		limestone/loose	?	biconical/straight	wide/short				very faint striae/smooth	linear medium	rough but overall smooth	sharp		
SOUTH	G			181	4869	4869.H3	1	Y	1	4			burning even/fire spot	soft limestone	dark red/terracotta	disc	finished	2														
SOUTH	G			181	4868	4868.H9	1	1/2 frag	0.5	4			burning even/fire spot	tufa	dark red	Ind	preform	Ind	limestone/med	mechanical	uniconical/straight	wide/med		CPS		n/a		rough		n/a		snapped during perforation
SOUTH	G			181	4868	4868.H8	1	Y	1	4			burning even/fire spot	serpentinite	dark grey/black	ring	finished	1														
SOUTH	G			181	4868	4868.H6	1	frag	0.25	4			burning even/fire spot	tufa	dark red	ring	finished	1														
SOUTH	G			181	4839	4839.H8	1	1/2 frag	0.5	4			dump/midden	tufa	dark red	ring	finished	1														
SOUTH	G			181	4868	4868.H5	1	Y	1	4			burning even/fire spot	tufa	dark red	ring	finished	1		limestone/med	mechanical	biconical/straight	wide/med				faint striae/linear/slight ridges	linear/fine/smooth	rough but overall smooth	rounded		
SOUTH	G			181	4868	4868.H4	1	Y	1	4			burning even/fire spot	tufa	dark red	ring	finished	1		limestone/med	mechanical	biconical/straight	wide/short				faint striae/linear	linear/fine/smooth	rough but overall smooth	sharp		
SOUTH	G																															one side drilled, other side there is a depression but i'm not sure whether there may have been some rough drilling/pecking or marks caused from drilling on the other side.
SOUTH	G			181	4839	4839.H9	1	1/2 frag	0.5	4			dump/midden	hard limestone	pale pink/beige	Ind	preform	Ind	limestone/med	mechanical	uniconical/straight	wide/short		CPS - absol beautiful!		n/a		rough		n/a		
SOUTH	G			181	4868	4868.H2	1	1/2 frag	0.5	4			burning even/fire spot	phyllite	dark grey/green	ring	finished	1														
SOUTH	G			181	4839	4839.H17	1	frag	0.25	4			dump/midden	tufa	dark red	ring	finished	1														
SOUTH	G			181	4842	4842.H11	1	1/2 frag	0.5	4			pit fill	hard limestone	pale pink/brown	Ind	preform	2		limestone/med	mechanical	uniconical/straight	small/med		CPS		n/a		rough but overall smooth		n/a	snapped during perforation, one side drilled other side snapped.
SOUTH	G			181	4870	4870.H1	1	frag	0.25	5			fill btwn walls	tufa	dark red/brown	ring	finished	1														
SOUTH	G			181	4842	4842.H10	1	1/2 frag	0.5	4			pit fill in middle	phyllite	dark grey/black	ring	finished	1														
SOUTH	G			181	4865	4865.H5	1	frag	0.25	4			dump/midden	tufa	dark pink	Ind	preform	Ind	limestone/med	mechanical	biconical/straight	wide/med		CPS				linear medium	faint linear striations across		n/a	one side drilled, other ide no striations looks almost pecked and gouged, but actually just snapped.
SOUTH	G			181	4865	4865.H6	1	frag	0.25	4			dump/midden	hard limestone	pale pink/beige	ring	finished	1														
SOUTH	G			181	4865	4865.H7	1	frag	0.25	4			dump/midden	dark grey/brown	ring	finished	1			platev	mechanical	uniform/straight	wide/short				very faint striae/linear	very faint striae linear	rough but overall smooth	sharp		
SOUTH	G			181	4866	4866.H10	1	Y	1	4			ashy dump/midden	serpentine	grey/green	ring	finished	1														
SOUTH	G			181	4866	4866.H11	1	1/2 frag	0.5	4			ashy dump/midden	impure marble	white	ring	finished	2														
SOUTH	G			181	4866	4866.H2	1	Y	1	4			ashy dump/midden	phyllite	dark grey/black	ring	finished	1														
SOUTH	G			181	4866	4866.H3	1	frag	0.25	4			ashy dump/midden	serpentinite	grey/green	ring	finished															

[illegible]

SOUTH	P		333	17041	17041.H2	3	Y	3	4	dump/ash spread	serpentinite	black/brown	ring	finished	2	fine, medium compact	M	biconical/straight	wide/med	FLS	FLS	smooth	sharp	
SOUTH	P		333	17067	17067.H1	1	1/2 frag	0.5	7	levelling dumps,series of surfaces	serpentinite	pale sea green	Ind	preform	Ind	fine, compact	M	uniconical/straight	wide/med	FLS	N/A	abrasion marks	N/A	snapped during perforation
SOUTH	P		333	17060	17060.H2	1	Y	1	7	remnants of trampled surface	calcite/stalactite	white	ring	finished	2	fine, compact	M	uniconical/straight	wide/med	smooth	smooth	smooth	round	
SOUTH	P		333	17067	17067.H2	1	1/2 frag	0.5	7	levelling dep/series of surfaces	serpentinite	grey/green	disc	finished	3									
SOUTH	P		333	17060	17060.H1	1	Y	1	7	remnants of trampled surface	phyllite	grey	ring	finished	1									
SOUTH	P		333	16265	16265.H1	1	1/2 frag	0.5	4	fill of firepost	fluorapatite	blue/gray	Ind	preform	Ind									
SOUTH	P		333	16570	16570.X1	1	1/2 frag	0.5	4	surface/dump	fluorapatite	pale blue	long elliptical	finished	7	fine, compact	M	biconical/straight	narrow/long	can't see	FLS	smooth, some abrasion	body round, face sharp	
SOUTH	P		333	16543	16543.H2	1	Y	1	4	ash spread,even talcum	serpentinite	brown/green	ring	finished	2									
SOUTH	P		333	16543	16543.H1	1	Y	1	4	ash spread,even talcum	phyllite	dark grey/black	ring	finished	2									
SOUTH	P		333	16201	16201.H1	1	Y	1	4	levelling dump	travertine	white/off-white	rounded barrel	finished	2	fine, compact, banded!	M	biconical/straight	wide/long	v.FLS	FLS	smooth	round	
SOUTH	P		333	16232	16232.H1	1	Y	1	4	midden	steatite	dark brown with green tint	disc	finished	3	fine, compact	M	biconical/straight	wide/long	some v.FLS	abrasion marks	abrasion and scratches	sharp	needs final polishing, looks like sand but not that hard, loads of different types of marks, including SAWING!
NORTH	I		226	13199	13199.X6	1	Y	1	4	midden layer	steatite	dark olive green	SPACER	finished?	Ind	fine,compact natural pattern on surface	M	biconical/straight	wide/med	FLS	FLS	smooth & abrasion	N/A	
NORTH	I		226	13199	13199.X4	1	Y	1	4	midden layer	gypsum/alabaster	beige/brown	lenticular-long	finished	8									
NORTH	I		226	8854	8854.H4	1	Y	1	4	midden - airb layer	soft marble/calcite	white	disc	finished	4									
NORTH	I		226	14122	14122.X3	1	Y	1	4	midden, sawed rock	serpentinite	black	ring	finished	3	fine,compact	M	biconical/straight	wide/long	v.FLS	FLS	smooth	sharp	ever so slight cone shape
NORTH	I		226	14122	14122.H1	1	Y	1	4	midden, sawed rock	serpentinite	black with green tint	disc	finished	2									
NORTH	I		226	8869	8869.H3	1	Y	0.25	4	midden dep layer, S part of S226	steatite	black	disc	finished	2									
NORTH	I		226	14122	14122.X1	1	Y	1	4	midden, sawed rock	soft saccharoidal marble	white	Ind	roughout	Ind	perf peck								
NORTH	I		226	14122	14122.X5	2	2 1/2 frags	1	4	midden, sawed rock	calcite	white,translucent	disc	finished	6									
NORTH	I		226	14122	14122.H2	3	frags<1	1	4	midden, sawed rock	tufa	pink/brown	ring	finished	2									
NORTH	I		226	14122	14122.X2	1	Y	1	4	midden, sawed rock	steatite	black	ring	finished	3	fine,compact	M	biconical/straight	wide/med	v.FLS	v.FLS	smooth,scratches	rounded	
NORTH	I		226	14122	14122.X4	1	Y	1	4	midden, sawed rock	steatite	black	ring	finished	3	fine,compact	M	biconical/straight	wide/med	smooth,scratches	smooth,abrasion	smooth,scratches	R and S	
NORTH	I		226	8892	8892.H1B	1	Y	1	4	midden	serpentinite	black	disc	finished	ind									
NORTH	I		226	8892	8892.H1	1	Y	1	4	midden	unknown	dark brown,almost black	lenticular	finished	11 to 20									
NORTH	I		226	8882	8882.H3	0		0	4	fill of a pit in the midden	unknown	unknown	unknown											
NORTH	I		226	8892	8892.H2	0		0	4	fill of a pit in the midden	unknown	unknown	unknown											
NORTH	I		226	8882	8882.H1	1	1/2 frag	0.5	4	fill of a pit in the midden	unknown	very bright blue	lenticular	finished	3									
SOUTH	Q		229	10744	10744.H1	1	Y	1	4	pit fill	phyllite	black	disc	finished	2									
NORTH	I		240	11020	11020.H1	1	Y	1	4	midden under plasterly floors of S240	hard limestone/impure marble	dark red/brown	disc	finished	2									
SOUTH	R		259	11356	11356.X3	1	Y	1	4	midden	steatite	black	Ind	preform	Ind									
SOUTH	R		259	11356	11356.X1	1	Y	1	4	midden	saccharoidal/soft marble	white	disc	finished	5									
SOUTH	R		259	11359	11359.H1	1	Y	1	4	midden	serpentinite	black with green tint	disc	finished	2									
SOUTH	R		259	11360	11360.H1	1	1/2 frag	0.5	4	midden	serpentinite	black with green tint	ring	finished	2									
SOUTH	R		259	11360	11360.H2	1	Y	1	4	midden	phyllite	grey	ring	finished	2									
SOUTH	R		259	11355	11355.H1	1	frag	0.25	4	midden	steatite	pale sea green	IND	indeterminate	Ind									
SOUTH	Q		260	11370	11370.H1	1	1/2 frag	0.5	4	midden	calcite	dark pink and white(candel)	Ind	finished	Ind									
SOUTH	Q		260	11376	11376.X10	1	Y	1	4	midden	serpentinite	black with green tint	lenticular-square	finished	7									
SOUTH	Q		260	11376	11376.X9	1	Y	1	4	midden	steatite	white and grey	disc	finished	2									
SOUTH	Q		260	11376	11376.X8	1	Y	1	4	midden	soft marble	white	disc	finished	3									
SOUTH	Q		260	11376	11376.X3	1	frag	0.25	4	midden	fluorapatite	blue/green	disc	indeterminate	Ind									
SOUTH	Q		260	11376	11376.X14B	1	Y	1	4	midden	freshwater limestone	beige	perforated pebble	finished	9									
SOUTH	Q		260	11376	11376.X14	1	frag	0.25	4	midden	fluorapatite	sky blue	Ind	indeterminate	Ind									
SOUTH	Q		260	11376	11376.X13	1	1/2 frag	0.5	4	midden	fluorapatite	sky blue	lenticular	finished	4									
SOUTH	Q		260	11366	11366.X1	1	frag	0.25	4	midden	fluorapatite	sky blue	Ind	indeterminate	Ind									
SOUTH	Q		260	11376	11376.X11	1	Y	1	4	midden	calcite	orange/brown	disc	finished	2									
SOUTH	Q		260	11347	11347.H1	1	1/2 frag	0.5	4	midden	steatite	black with green tint	ring	finished	2									
SOUTH	Q		260	11376	11376.X1	1	Y	1	4	midden	tufa	red/brown	ring	finished	2									
SOUTH	Q		260	11366	11366.H3	1	Y	1	4	midden	phyllite	dark grey	ring	finished	1									
SOUTH	Q		260	11376	11376.X12	1	1/2 frag	0.5	4	midden	steatite	pale brown/green	lenticular	finished	Ind									
SOUTH	Q		260	11366	11366.H2	1	1/2 frag	0.5	4	midden	steatite	green/brown	disc	finished	2									
SOUTH	Q		260	11370	11370.X3	1	Y	1	4	midden	steatite	dark brown	barrel ring	finished	6									
SOUTH	Q		260	11366	11366.X4	1	Y	1	4	midden	steatite	dark brown	disc	finished	3									
SOUTH	Q		260	11370	11370.H2	1	Y	1	4	midden	serpentinite	black with green tint	ring	finished	2									
SOUTH	Q		260	11370	11370.X10	1	Y	1	4	midden	steatite	black with	double concave disc	finished	4									
SOUTH	Q		260	11370	11370.X11	1	Y	1	4	midden	unknown	dark grey	perforated pebble	finished	5									
SOUTH	Q		260	11370	11370.X12	1	Y	1	4	midden	impure marble	white	disc	finished	5									
SOUTH	Q		260	11366	11366.H1	1	Y	1	4	midden	travertine	brown and beige banding	lenticular	finished	9									
SOUTH	Q		261	11377	11377.H1	1	Y	1	4	midden	serpentinite	black with green tint	ring	finished	2									
SOUTH	Q		261	12500	12500.H1	1	Y	1	4	midden	phyllite	black with green tint	ring	finished	1									
SOUTH	Q		261	12500	12500.H2	1	Y	1	4	midden	serpentinite	black with green tint	disc	finished	2									
SOUTH	Q		261	12500	12500.H3	1	Y	1	4	midden	phyllite	brown	ring	finished	1									
SOUTH	Q		261	12501	12501.H1	1	Y	1	4	midden	calcite	sea green	Ind	preform	Ind									
NORTH	I		279	14120	14120.H3	1	frag	0.25	4	midden layer	steatite?	dark grey/black	ring	finished	Ind									
NORTH	I		279	14120	14120.H6	1	Y	1	4	midden layer	serpentinite	black	disc	finished	3	fine,compact	M	biconical/straight	narrow/long	no marks,rough	v.FLS	smooth	sharp	
NORTH	I		279	13174	13174.H1	1	Y	1	4	midden	tuquesite?	green/blue	barrel disc	finished	4									
NORTH	I		279	13174	13174.X12	1	Y	pebble	1	4	midden	limestone pebble	perforated pebble	finished	11 to 20	fine,compact	not hand	biconical/slanted	wide/long	no marks; rough	Ind	smooth w some abrasion	round - pebble sharp?	2 perf, maybe natural
NORTH	I		279	13174	13174.X13	1	Y	1	4	midden	steatite	muddled/brown/green	disc	finished	3	fine,compact	M	biconical/straight	wide/long	v.FLS	smooth w scratches			
NORTH	I		279	13174	13174.X14	1	Y	1	4	midden	soft saccharoidal marble	white	disc	finished	3									
NORTH	I		279	13174	13174.X2	1	Y	1	4	midden	steatite	muddled/grey/green/brown	disc	finished	4									
NORTH	I		279	13174	13174.X3	1	Y	1	4	midden	travertine	banded beiges	disc	finished	5	fine,compact	M	biconical/straight	narrow/short	v.FLS	v.FLS	smooth and abrasion	sharp	
NORTH	I		279	13174	13174.X4	1	1/2 frag	0.5	4	midden	fluorapatite	sky blue	Ind	preform	Ind	fine,compact	M	biconical/straight	narrow/long		abrasion	abrasion and smooth	NA	
NORTH	I		279	13174	13174.X5	1	Y	1	4	midden	steatite	olive green,brown tint	disc	finished	3									
NORTH	I		279	13174	13174.X9	1	?	1	4	midden	steatite	olive green	figurine?	unknown	9	not sure what it is - figurine??	Ind	Ind	Ind	N/A	sawing and abrasion	sawing and abrasion	NA	
NORTH	I		279	14120	14120.H1	1	Y	1	4	midden layer	steatite	olive green,brown tint	disc	finished	3	fine,compact	M	biconical/straight	wide/long	CPS	FLS	smooth w scratches	sharp	
NORTH	I		279	14120	14120.H2	1	1/2 frag	0.5	4	midden layer	tufa	dark pink	ring	finished	1	fine,compact	M	biconical/straight	wide/short	no marks,rough	Ind	smooth	smooth	sharp
NORTH	I		279	14120	14120.H5	1	1/2 frag	0.5	4	midden layer	serpentinite	black with green tint	ring	finished	2									
NORTH	I		279	14120	14120.H4	1	1/2 frag	0.5	4	midden layer	steatite	pale olive green	Ind	preform	Ind	fine,compact	M	biconical/						

[illegible]

SOUTH	P		333	16261	16261.X1	1	1/2 frag	0.5	4	midden deposit	carnelian	dark red/brown	butterfly heart	finished	11 to 20	fine, compact	M	biconical/straight	wide/long	no manu - USE MARKS	half smooth, some PLS	smooth	round	vertical use marks
SOUTH	P		333	16265	16265.H2	1	1/2 frag	0.5	4	fill of firespot	r	black	disc	finished	3									
SOUTH	P		333	16272	16272.H1	1	frag	0.25	4	surface/dump	stonite	black	Ind	finished	Ind									
SOUTH	P		333	16272	16272.H2	1	1/2 frag	0.5	4	surface/dump	sacroidal/soft marble	white	disc	finished	4	fine, medium compact	M	biconical/straight	wide/med	FLS	FLS	smooth	sharp	
SOUTH	P		333	16265	16265.H3	1	1/2 frag	0.5	4	fill of firespot	serpentinite	black/grey	disc	finished	4									
SOUTH	P		333	16548	16548.H1	1	Y and 1/2 frag	1.5	7	trampled/rakout ash spread	serpentinite	black/green	ring	finished	2									
SOUTH	R		339	17042	17042.H1	1	Y	1	4	dump, insitu burnt	calcite	white	ring	finished	3	fine, compact, translucent	M	biconical/straight	wide/long	smooth with scratches	smooth with scratches	smooth	sharp	
SOUTH	R		339	17058	17058.H1	1	Y	1	4	midden	impure marble	white	ring	finished	1	fine, medium compact	M	biconical/straight	wide/short	no marks	vertical abrasion marks	rough	sharp	
SOUTH	R		339	17047	17047.H3	1	Y	1	4	midden deposit	seattite	brown with green tint	ring	finished	2	fine compact	M	biconical/straight	wide/med	FLS	FLS	smooth	round	
SOUTH	R		339	17047	17047.H1	1	Y	1	4	midden deposit	seattite	black/green	disc	finished	3	fine, compact	M	biconical/straight	wide/long	CPS	smooth with scratches	sharp		
SOUTH	R		339	17041	17041.H1	1	Y	1	4	dump/ash spread	serpentinite	black/green	ring	finished	2	fine, compact	M	biconical/straight	wide/med	v.FLS	FLS	smooth	sharp	
SOUTH	R		339	17039	17039.H1	1	Y	1	7	trodden midden	serpentinite	black with green tint	barrel ring	finished	4	med, compact	H?	biconical/straight	wide/long	FLS	FLS	smooth	sharp	
SOUTH	R		339	16590	16590.H4	3	frags	0.75	4	midden	soft limestone	pink/brown	Ind	finished	Ind								face slanted	
SOUTH	R		339	16590	16590.H3	1	1/2 frag	0.5	4	midden	seattite	dark grey/black	ring	finished	3	fine, medium fine, compact,	H	biconical/straight	wide/med	can't tell	FLS	smooth	round	
SOUTH	R		339	16590	16590.H2	1	Y	1	4	midden	calcite	white	ring	finished	3	fine, compact, translucent	M	biconical/straight	wide/med	smooth	FLS	smooth	sharp	
SOUTH	R		339	16590	16590.H1	1	frag	0.25	4	midden	travertine	different shades of brown	lenticular	finished	3	fine, compact, banding	M	biconical/straight	wide/long	FLS and reaming	smooth	smooth	round	
SOUTH	R		339	17047	17047.H2	1	frag	0.25	4	midden deposit	fluorapatite	dark blue	barrel ring	finished	Ind	fine, compact	M	biconical/straight	wide/long	FLS	FLS	smooth	sharp face/body round	
NORTH	G		90	12937	12937.H2	1	Y	1	4	dumping, levelling	soft limestone	pale pink/brown	disc	finished	2									
NORTH	G		90	10287	10287.H2	8	frags	2	4	external deposit	soft limestone	pale pink/brown	Ind	finished	Ind									
NORTH	G		90	10287	10287.H1	2	Y	2	4	external deposit	soft limestone	pale pink/brown	disc	finished	2									
NORTH	G		90	12937	12937.H1	1	1/2 frag	0.5	4	dumping, levelling	soft limestone	pale pink/brown	disc	finished	2									
NORTH	G		90	12930	12930.H1b	1	Y	1	5	pit fill	seattite	brown	ring	finished	2									
NORTH	G		90	12930	12930.H1	1	Y	1	5	pit fill	phyllite	grey/green	disc	finished	2									
SOUTH	P	75		16567	16567.H2	1	Y	1	1	floor	serpentinite	pale sea green with black flecks	Ind	preform	Ind	fine, platey	M	biconical/straight	wide/med	rough	rough	rough	N/A	
SOUTH	P	75		17043	17043.H2	1	Y	1	1	plaster floor	tufa	dark red/brown	Ind	roughout	Ind									
SOUTH	P	75		17043	17043.H1	2	2 - 1/2s	1	1	plaster floor	tufa	dark red/brown	Ind	roughout	Ind									
SOUTH	P	75		16544	16544.H1	1	Y	1	1	make up/surface	tufa	being and pink/brown banded	Ind	roughout	Ind									
SOUTH	P	75		17030	17030.H2	1	Y	1	1	makeup/residual floor	tufa	dark red/brown	Ind	roughout	Ind									
SOUTH	P	75		17030	17030.H1	1	Y-almost	1	1	residual floor	odontolite/bone	pale blue	rectangular double perforation	finished	4									
SOUTH	P	75		16565	16565.H8	1	Y	1	1	floor	tufa	dark red/brown	Ind	roughout	2		n/a	n/a	n/a	n/a	abrasion facets	abrasion marks	sharp	
SOUTH	P	329		16550	16550.H1	1	Y	1	7	surface floor yard	tufa	dark red/brown	Ind	roughout	IND									
SOUTH	P	329		16550	16550.H2	1	Y	1	7	surface floor yard	tufa	dark red/brown	Ind	roughout	IND									
SOUTH	P	329		16550	16550.H3	1	1/2 frag	0.5	7	floor surface of yard	tufa	dark red/brown	Ind	preform	IND									
SOUTH	P	329		16550	16550.H4	1	1/2 frag	0.5	7	floor surface of yard	tufa	dark red/brown	Ind	preform	IND									

AREA	HODDER	BUILDING	SPACE	UNIT #	GID	NUMBER	COMPLETE	MULTI- FACTOR	CONTEXT SUM	CONTEXT	FEATURE #	AGE	SEX	WHERE ON BODY BEADS PLACED	TYPE OF JEWELRY	MATERIAL	COLOUR	BEAD TYPE	SIZE	F/B	TESTED FOR FRESHNESS
SOUTH	S		44		11649	11649.X1	1 Y		1	2 burial; skeleton	F.1320	young adult (20-30)	F	direct; with skeleton?		unpure marble/calcite	white/beige	disc	5	F	
NORTH	G		49		13609	13609.H1	1 frag	0.25	2	skeleton	F.1492	older adult (50+)	M?	direct		gypsum	off white	ring	2	F	
SOUTH	R		42		10450	10450.X2B	1 Y		1	2 skeleton	F.1511	infant (0-3)	indeterminate	direct; under the skull		hematite	metallic grey	Pendant?	4	F	Y
SOUTH	R		42		10450	10450.X2A	1 Y		1	2 skeleton	F.1511	infant (0-3)	indeterminate	direct; under the skull		hematite	metallic grey	Pendant?	5	F	Y
SOUTH	R		42		11313	11313.X1	1 Y		1	6 grave fill	F.1512	unknown	?	indirect, multiple burial		tufa	dark red/brown	ring	2	F	
SOUTH	R		42		11315	11315.X3	1 Y		1	6 grave fill	F.1515	adult (20+)	M?	indirect		tufa	pink/brown	ring	2	F	
SOUTH	R		42		11315	11315.X2	1 Y		1	6 grave fill	F.1515	adult (20+)	M?	indirect		tufa	pink/brown	ring	2	F	
SOUTH	R		42		11315	11315.X5	1 Y		1	6 grave fill	F.1515	adult (20+)	M?	indirect		tufa	pink/brown	ring	2	F	
SOUTH	R		42		11315	11315.X4	1 Y		1	6 grave fill	F.1515	adult (20+)	M?	indirect		soft sacroidal marble	white	pendant	6	F	
SOUTH	R		42		11315	11315.X1	1 Y		1	6 grave fill	F.1515	adult (20+)	M?	indirect		soft limestone	pale pink/brown	ring	2	F	
SOUTH	R		42		11305	11305.H1	1 Y		1	6 grave fill	F.1517	older adult (50+)	F	indirect		serpentine	black	ring	2	F	
SOUTH	R		42		11305	11305.H2	1 Y		1	6 grave fill	F.1517	older adult (50+)	F	indirect		serpentine	black with green tint	ring	2	F	
SOUTH	R		42		11306	11306.X3	1 Y		1	2 skeleton	F.1517	older adult (50+)	F	direct; RT lower arm	bracelet	fluorapatite	pale green	rectangular double perforation	6	F	
SOUTH	Q		53		12523	12523.H3	1 1/2 frag	0.5	6	grave fill	F.1532	adolescent (12-20)	indeterminate	indirect		phyllite	dark grey/black	ring	2	F	Y
SOUTH	Q		53		12523	12523.H4	1 frag	0.25	6	grave fill	F.1532	adolescent (12-20)	indeterminate	indirect		phyllite	dark grey/black	Ind	Ind	Ind	Y
SOUTH	Q		53		12523	12523.H2	1 1/2 frag	0.5	6	grave fill	F.1532	adolescent (12-20)	indeterminate	indirect		phyllite	dark grey/black	ring	2	F	Y
SOUTH	Q		53		12523	12523.H1	1 1/2 frag	0.5	6	grave fill	F.1532	adolescent (12-20)	indeterminate	indirect		phyllite	dark grey	disc	Ind	Ind	Y
SOUTH	Q		53		12528	12528.X3B	1 Y		1	2 skeleton	F.1532	adolescent (12-20)	indeterminate	direct; left elbow	bracelet	impure marble?	off white	lenticular	5	F	Y
SOUTH	Q		53		12523	12523.H5	1 Y		1	6 grave fill	F.1532	adolescent (12-20)	indeterminate	indirect		hard limestone/tufa	pink/brown	ring	2	F	Y
SOUTH	Q		53		12527	12527.H1	1 frag	0.25	6	grave cut	F.1532	adolescent (12-20)	indeterminate	indirect		hard limestone	pink/brown	ring	2	F	Y
SOUTH	Q		53		12528	12528.X2	1 Y		1	2 skeleton	F.1532	adolescent (12-20)	indeterminate	direct; on neck	necklace?	fluorapatite	sky blue	lenticular	9	F	Y
SOUTH	Q		53		12528	12528.X3A	1 Y		1	2 skeleton	F.1532	adolescent (12-20)	indeterminate	direct; left elbow	bracelet	fluorapatite	pale green	rectangular double perforation	6	F	
SOUTH	Q		53		12528	12528.X4	1 Y		1	2 skeleton	F.1532	adolescent (12-20)	indeterminate	direct; left elbow	bracelet	fluorapatite	pale blue	barrel disc	3	F	Y
SOUTH	Q		53		12523	12523.H4B	1 Y		1	6 grave fill	F.1532	adolescent (12-20)	indeterminate	indirect		calcite on hard green stone	green and white	disc	3	F	Y
SOUTH	?M		50		10829	10829.X11	1 Y		1	2 skeleton	F.1710	older adult (50+)	F	direct; on the upper chest	necklace?	soft sacroidal marble	white	rounded barrel	7	F	Y
SOUTH	?M		50		10833	10833.H2	3 Y		3	fill of arb layer cut 10832 around skeleton 10829	F.1710	older adult (50+)	F	indirect		soft sacroidal marble	white	disc	2=3;1-2	F	Y
SOUTH	?M		50		10829	10829.X16	1 Y		1	2 skeleton	F.1710	older adult (50+)	F	direct; on the upper chest	necklace?	serpentine	light and dark green	lenticular	8	F	Y
SOUTH	?M		50		10829	10829.X8	1 Y		1	2 skeleton	F.1710	older adult (50+)	F	direct; on the upper chest	necklace?	serpentine	light and dark green	plano-convex	5	F	Y
SOUTH	?M		50		10829	10829.X14	1 Y		1	2 skeleton	F.1710	older adult (50+)	F	indirect		serpentine	light and dark green	cylindrical	7	F	Y
SOUTH	?M		50		10833	10833.H3	1 Y		1	fill of arb layer cut 10832 around skeleton 10829	F.1710	older adult (50+)	F	indirect		serpentine	black and green	ring	3	F	Y
SOUTH	?M		50		10833	10833.H1	6 Y		6	fill of arb layer cut 10832 around skeleton 10829	F.1710	older adult (50+)	F	indirect		hard limestone	pale pink/brown	disc	2	F	Y
SOUTH	?M		50		10829	10829.X13	1 Y		1	2 skeleton	F.1710	older adult (50+)	F	direct; on the upper chest	necklace?	calcite	white, trans	lenticular square	7	F	Y
SOUTH	L		43		10529	10529.X17	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	cylindrical	3	F	Y
SOUTH	L		43		10529	10529.X18	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	cylindrical	3	F	Y
SOUTH	L		43		10529	10529.X19	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white with black flecks	axe head	8	F	Y
SOUTH	L		43		10529	10529.X21	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	axe head	8	F	Y
SOUTH	L		43		10529	10529.X12B	3 frags	0.75	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	disc	Ind	F	Y
SOUTH	L		43		10529	10529.X12	106 Y		106	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	disc	3 or 4	F	Y
SOUTH	L		43		10529	10529.X11	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	cylindrical	4	F	Y
SOUTH	L		43		10529	10529.X22	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	axe head	8	F	Y
SOUTH	L		43		10529	10529.X3	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	cylindrical	5	F	Y
SOUTH	L		43		10529	10529.H1	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	axe head	8	F	Y
SOUTH	L		43		10529	10529.X34	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white with black veins	axe head	9	F	Y
SOUTH	L		43		10529	10529.X8	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	cylindrical	3	F	Y
SOUTH	L		43		10529	10529.X23	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	axe head	7	F	Y
SOUTH	L		43		10529	10529.X36	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white with black veins,some patches	axe head	8	F	Y
SOUTH	L		43		10529	10529.X5	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	cylindrical	4	F	Y
SOUTH	L		43		10529	10529.X33	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	cylindrical	4	F	Y
SOUTH	L		43		10529	10529.X32	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	cylindrical	4	F	Y
SOUTH	L		43		10529	10529.X31	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white with some black patches	axe head	8	F	Y
SOUTH	L		43		10529	10529.X26	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	cylindrical	3	F	Y
SOUTH	L		43		10529	10529.X25	1 Y		1	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft sacroidal marble	white	cylindrical	4	F	Y
SOUTH	L		43		10524	10524.H1	144 Y		144	6 fill of cut;grave fill	F.1860	child (3-12)	indeterminate	direct; under skull and on neck	necklace	soft limestone	pale pink/beige	ring	2	F	Y
SOUTH	L		43		10524	10524.H2	30 30frags		7.5	6 fill of cut;grave fill	F.1860	child (3-12)	indeterminate	direct; under skull and on neck	necklace	soft limestone	pale pink/beige	Ind	Ind	F	Y
SOUTH	L		43		10524	10524.H3	3 Y		3	6 fill of cut;grave fill	F.1860	child (3-12)	indeterminate	direct; under skull and on neck	necklace	soft limestone	pale pink/beige	ring	2	F	Y
SOUTH	L		43		10529	10529.X10A	92 Y		92	2 burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft limestone	beige/pale pink	ring	2	F	Y

SOUTH	L		43		10529	10529.X1	6 Y		6	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft limestone	beige/pale pink	ring	2	F	Y
SOUTH	L		43		10529	10529.H2B	6 frags		1.5	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft limestone	beige/pale pink	ring	Ind	F	Y
SOUTH	L		43		10529	10529.X10B	7 frags		1.75	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft limestone	beige/pale pink	ring	Ind	F	Y
SOUTH	L		43		10529	10529.H2	45 Y		45	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	soft limestone	beige/pale pink	ring	2	F	Y
SOUTH	L		43		10529	10529.X14	1 Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	cylindrical	5	F	Y
SOUTH	L		43		10529	10529.X15	4 frags		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	Ind	Ind	F	Y
SOUTH	L		43		10529	10529.X16	1 Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	axe head	8	F	Y
SOUTH	L		43		10529	10529.X2	3/2.5 frags		0.75	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	cylindrical	Ind	F	Y
SOUTH	L		43		10529	10529.X13	1 Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	cylindrical	4	F	Y
SOUTH	L		43		10529	10529.X20	1 Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	axe head	8	F	Y
SOUTH	L		43		10529	10529.X6	1 almost Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	cylindrical	5	F	Y
SOUTH	L		43		10529	10529.X7	1 almost Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	cylindrical	5	F	Y
SOUTH	L		43		10529	10529.X4	3 frags		0.75	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	Ind	Ind	F	Y
SOUTH	L		43		10529	10529.X37	1 Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	collared butterfly	7	F	Y
SOUTH	L		43		10529	10529.X28	1 1/2 frag		0.5	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	axe head	Ind	F	Y
SOUTH	L		43		10529	10529.X9	2/2 frags		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	cylindrical	3	F	Y
SOUTH	L		43		10529	10529.X35	1 Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	axe head	7	F	Y
SOUTH	L		43		10529	10529.X30	1 Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	axe head	8	F	Y
SOUTH	L		43		10529	10529.X29	1 Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	cylindrical	5	F	Y
SOUTH	L		43		10529	10529.X27	1 Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	axe head	8	F	Y
SOUTH	L		43		10529	10529.X24	1 Y		1	2	burial;child skeleton	F.1860	child (3-12)	indeterminate	direct	necklace	serpentine	black with green tint	axe head	8	F	Y
SOUTH	S		44		11608	11608.H1	1 1/2 frag		0.5	6	burial pit fill	F.2050	child (3-12)	indeterminate	indirect		unknown	dark grey/black	Ind	3	F	
SOUTH	S		44		11608	11608.H2	1 fraa		0.25	6	burial pit fill	F.2050	child (3-12)	indeterminate	indirect		steatite	dark grey/black	Ind	Ind	F	
SOUTH	S		44		11608	11608.X3	1 1/2 frag		0.5	6	burial pit fill	F.2050	child (3-12)	indeterminate	indirect		soft marble	white	ring	4	F	
SOUTH	R		56		12872	12872.H1	1 Y		1	6	grave cut infill	F.2082	young adult (20-30)	M	indirect		unknown	grey/green	Ind	Ind	B?	
SOUTH	R		56		12871	12871.H2	1 Y		1	6	grave cut infill	F.2082	young adult (20-30)	M	indirect		steatite	dark grey/green	disc	2	F	
SOUTH	R		56		12871	12871.H3	1 Y		1	6	grave cut infill	F.2082	young adult (20-30)	M	indirect		steatite	dark grey/green	ring	2		Ind- corrosion
NORTH	H		54		11983	11983.H1	1 Y		1	6	burial fill	F.2156	child (3-12)	indeterminate	indirect		meta-basalt	black	ring	2	F	
NORTH	H		60		12996	12996.H1	1 Y		1	6	burial fill	F.2232	young adult (20-30)	F	indirect		turquoise	bright blue/green	rounded barrel	2	F	
NORTH	H		60		12996	12996.H3/X2	1 Y		1	6	burial fill	F.2232	young adult (20-30)	F	indirect		turquoise	bright blue/green	barrel disc	3	F	
NORTH	H		60		13147	13147.H1	1 Y		1	6	burial fill	F.2232	young adult (20-30)	F	indirect		turquoise	bright blue/green and dark green	barrel ring	2	F	
NORTH	H		60		12997	12997.H1	1 Y		1	6	burial fill	F.2232	young adult (20-30)	F	indirect		steatite	grey/green	ring	2	F	
NORTH	H		60		12996	12996.H2	1 Y		1	6	burial fill	F.2232	young adult (20-30)	F	indirect		hard limestone	pale pink/beige	disc	2	F	
SOUTH	Q		65		14007	14007.H1	1 Y		1	6	burial fill/sealing	F.2520	neonate	indeterminate	indirect		steatite	black	cylindrical	3	F	
SOUTH	Q		65		14007	14007.H3	1 Y		1	6	burial fill/sealing	F.2520	neonate	indeterminate	indirect		impure marble	brown/beige	ring	2	F	
SOUTH	Q		65		14021	14021.H1	1 Y		1	6	burial fill	F.2521	neonate	indeterminate	indirect		serpentine	black with green tint	ring	2	F	
SOUTH	Q		65		14057	14057.h2	1 1/2 frag		0.5	6	burial fill	F.2535	adolescent (12-20)	indeterminate	indirect		travertine	dark blue	ring	2	F	
SOUTH	Q		65		14057	14057.H4	1 Y		1	6	burial fill	F.2535	adolescent (12-20)	indeterminate	indirect		steatite	black	disc	3	F	
SOUTH	Q		65		14057	14057.H3	1 Y		1	6	burial fill	F.2535	adolescent (12-20)	indeterminate	indirect		lead	green/grey	collared butterfly	7	F	
SOUTH	Q		65		14057	14057.H1	1 1/2 frag		0.5	6	burial fill	F.2535	adolescent (12-20)	indeterminate	indirect		hard limestone	pale pink/brown	disc	2	F	
SOUTH	Q		65		14504	14504.H1	1 Y		1	6	primary burial fill	F.2603	older adult (50+)	M	indirect		serpentine	black with green tint	ring	2	F	
SOUTH	Q		65		14518	14518.H3b	1Y, 2-1/2 frags, 8 frags		4	6	burial fill	F.2604	older adult (50+)	M	indirect		steatite	black	disc/ring	2=3,Ind-8frags	F	
SOUTH	Q		65		14518	14518.H3	1 Y and 2 1/2 frags		2	6	burial fill	F.2604	older adult (50+)	M	indirect		serpentine	green and black	2disc+1ring	2	F	
SOUTH	Q		65		14518	14518.H1	1 Y		1	6	burial fill	F.2604	older adult (50+)	M	indirect		impure marble	pale pink/brown	ring	2	F	
SOUTH	Q		65		14518	14518.H2	1 1/2 frag		0.5	6	burial fill	F.2604	older adult (50+)	M	indirect		carnelian	orange	barrel disc, convex	3	F	
SOUTH	Q		53		12513	12513.X3	1 Y		1	6	grave fill	F.2700	unknown	unknown	indirect		meta-basalt	dark grey/black	ring	3	F	
NORTH	G		49		14429	14429.X2	1 Y		1	6	burial fill	F.4000	MA (30-40)	F	direct; on neck	necklace	steatite	black	conical	2	F	
NORTH	G		49		14429	14429.X3A	35 33Y and 2frags		33.5	6	burial fill	F.4000	MA (30-40)	F	direct; on neck	necklace	steatite	dark green	ring	2	F	
NORTH	G		49		14429	14429.X3B	22 21Y and 1 frags		21.25	6	burial fill	F.4000	MA (30-40)	F	direct; on neck	necklace	pyllite	grey/brown	disc	2	F	
NORTH	G		49		14429	14429.X3C	24		24	6	burial fill	F.4000	MA (30-40)	F	direct; on neck	necklace	meta-basalt	black	disc	2	F	
NORTH	G		49		14429	14429.H2	1 Y		1	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		tufa	dark red	ring	2	F	
NORTH	G		49		14429	14429.H5b	16 13Y and 3frags		13.75	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		steatite	green/black	ring	2	F	
NORTH	G		49		14429	14429.H6C	1 Y		1	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		steatite	green/grey	disc	2	F	
NORTH	G		49		14429	14429.H5	5 4Y and 1 frag		4.25	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		serpentine	black	ring	2	F	
NORTH	G		49		14429	14429.H1	82 Y		82	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		serpentine	black, flecks of green	disc	1	F	
NORTH	G		49		14429	14429.H6B	1 Y		1	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		serpentine	dark grey/green	ring	2	F	
NORTH	G		49		14429	14429.H1B	1 Y		1	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		pyllite	dark grey	disc	2	F	
NORTH	G		49		14429	14429.H3	17 14Y and 3frags		14.75	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		pyllite	dark grey	disc	2	F	
NORTH	G		49		14429	14429.H4	5 frags		1.25	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		pyllite	dark grey/brown	ring	2	F	
NORTH	G		49		14429	14429.H4C	1 Y		1	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		pyllite	dark grey	disc	2	F	
NORTH	G		49		14429	14429.H4B	21 Y - 2 sizes of 2		21	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		pyllite	dark grey/brown	disc	2	F	
NORTH	G		49		14429	14429.H6	1 frag		0.25	6	burial fill	F.4000 (2)	child (3-12)& MA (30-40)	F and indeterminate	indirect, multiple burial		natural metal ore	grey metallic	Ind	Ind	Ind	
NORTH	G		49		16600	16600.X1	1 Y		1	6	grave fill	F.4011	child (3-12)	indeterminate	direct; on neck	necklace	steatite	black, flecks of green	barrel disc	5	F	
NORTH	G		49		16600	16600.H1	1 frag		0.25	6	grave fill	F.4011	child (3-12)	indeterminate	indirect		hard limestone	pale pink/brown	ring	N/A	F	
NORTH	G		49		16600	16600.H2	1 frag		0.25	6	grave fill	F.4011	child (3-12)	indeterminate	indirect		hard limestone	pale pink/brown	ring	N/A	F	
NORTH	G		49		16699	16699.H1	1 Y		1	6	fill of grave cut	F.4019	unknown	unknown	indirect		soft sacroidal marble	white	ring	2	F	
NORTH	G		49		14459	14459.H1	1 Y		1	6	burial fill	F.4021	older adult (50+)	F	indirect		tufa	dark red/brown	ring	2	F	
NORTH	G		49		14459	14459.H2	1 Y		1	6	burial fill	F.4021	older adult (50+)	F	indirect		serpentine	black	ring	2	F	
NORTH	G		49		17415	17415.H1	1 Y		1	6	burial fill	F.4022	child (3-12)	indeterminate	indirect		soft sacroidal marble	white	disc	2	F	
NORTH	G		49		17456	17456.H2	1 Y		1	6	burial fill	F.4023	infant (0-3)	indeterminate	indirect		serpentine	black	ring	2	F	
NORTH	G		49		17456	17456.H3	1 Y		1	6	burial fill	F.4023	infant (0-3)	indeterminate	indirect		serpentine	black	disc	2	F	
NORTH	G		49		17456	17456.H1	1 Y		1	6	burial fill	F.4023	infant (0-3)	indeterminate	indirect		pyllite	brown/grey	ring	2	F	

NORTH	G		49		17480	17480.H1		1	1/2 frag	0.5	6	burial fill	F.4024	MA (30-40)	M	indirect		soft sacroidal marble	white	disc?	2	F		
SOUTH	2M		168	4215	4215.H3		1	Y		1	2	skeleton	F.417	neonate	indeterminate	direct; on neck	necklace	serpentine	grey/green	disc	2	F	Y	
SOUTH	2M		168	4215	4215.H1		1	Y		1	2	skeleton	F.417	neonate	indeterminate	direct; on neck	necklace	serpentine	grey/green	disc	2	F	Y	
SOUTH	2M		168	4214	4214.H1		1	Y		1	6	grave fill	F.417	neonate	indeterminate	indirect		impure marble	beige	ring	2	F	Y	
SOUTH	2M		168	1007	1007.H1		1	Y		1	6	grave fill	F.417	neonate	indeterminate	indirect		hard limestone/soft marble	white	ring	2	F		Y
SOUTH	2M		168	4214	4214.H4		1	1/2 frag	0.5	6	grave fill	F.417	neonate	indeterminate	indirect		hard limestone/soft marble	white	disc	2	F		Y	
SOUTH	2M		168	4214	4214.H3		1	Y		1	6	grave fill	F.417	neonate	indeterminate	indirect		hard limestone/soft marble	pale pink/beige	ring	2	F		Y
SOUTH	2M		168	4215	4215.H6		1	Y		1	2	skeleton	F.417	neonate	indeterminate	direct; on neck	necklace	hard limestone/soft marble	white	ring	2	F		Y
SOUTH	2M		168	4215	4215.H5		1	Y		1	2	skeleton	F.417	neonate	indeterminate	direct; on neck	necklace	hard limestone/soft marble	white	ring	2	F		Y
SOUTH	2M		168	4215	4215.H4		1	Y		1	2	skeleton	F.417	neonate	indeterminate	direct; on neck	necklace	hard limestone/soft marble	white	disc	2	F		Y
SOUTH	2M		168	4215	4215.H2		1	Y		1	2	skeleton	F.417	neonate	indeterminate	direct; on neck	necklace	hard limestone/soft marble	white	disc	2	F		Y
SOUTH	2M		168	4214	4214.H2		1	Y		1	6	grave fill	F.417	neonate	indeterminate	indirect		hard limestone	pale pink/beige	ring	2	F		Y
SOUTH	L		6	4397	4397.H1		1	2 frags	0.5	6	burial fill	F.460	adolescent (12-20)	M	indirect, body crouched		tufa	dark red/brown	Ind	Ind	F			
SOUTH	L		6	4397	4397.H2		1	Y		1	6	burial fill	F.460	adolescent (12-20)	M	indirect, body crouched		tufa	pink/brown	ring	1	F		
SOUTH	L		6	4397	4397.H5		1	1/2 frag	0.5	6	burial fill	F.460	adolescent (12-20)	M	indirect, body crouched		tufa	dark red/brown	ring	2	F			
SOUTH	L		6	4397	4397.H4		1	Y		1	6	burial fill	F.460	adolescent (12-20)	M	indirect, body crouched		tufa	pink/brown	ring	2	F		
SOUTH	L		6	4397	4397.H3		1	1/2 frag	0.5	6	burial fill	F.460	adolescent (12-20)	M	indirect, body crouched			soft sacroidal marble	white	Ind	2	F		
SOUTH	L		6	4406	4406.x1		20	20Y or more	20	2	skeleton	F.464	infant (0-3)	indeterminate	direct	bracelet????	serpentine	black with flecks of green/grey	disc	2/3	F			
SOUTH	L		6	4450	4450.H1		1	Y		1	6	burial fill	F.492	young adult (20-30)	M	indirect		tufa	dark red/brown	ring	1	F		
SOUTH	L		6	4464	4464.H2		1	Y		1	6	burial fill	F.492	young adult (20-30)	M	indirect		soft impure marble	white	disc	2	F		
SOUTH	L		6	4450	4450.H2		1	Y		1	6	burial fill	F.492	young adult (20-30)	M	indirect		serpentine	black	ring	1	F		
SOUTH	L		6	4464	4464.H4		1	Y		1	6	burial fill	F.492	young adult (20-30)	M	indirect		phyllite	dark grey/black	disc	1	F		
SOUTH	L		6	4464	4464.H3		1	frag	0.25	6	burial fill	F.492	young adult (20-30)	M	indirect		impure marble	pink	Ind	Ind	F			
SOUTH	L		6	4614	4614.H2		1	Y		1	6	burial fill	F.513	older adult (50+)	F	indirect		serpentine	black	ring	1	F		
SOUTH	K		23	4862	4862.H1		1	frag	0.25	6	skeleton basket	F.544	infant (0-3)	indeterminate	indirect		tufa	dark pink/brown	ring			1	F	
SOUTH	K		23	4862	4862.H2		1	1/2 frag	0.5	6	skeleton basket	F.544	infant (0-3)	indeterminate	indirect		phyllite	dark grey/black	ring			1	F	
SOUTH	K		17	5168	5168.H1		1	frag	0.25	6	grave fill	F.563	older adult (50+)	F	indirect		unknown	black	ring	2	F			
SOUTH	K		17	5173	5173.X2		1	Y		1	6	lower grave fill	F.563	older adult (50+)	F	indirect		soft sacroidal marble	white and beige	ring	3	F		
SOUTH	K		17	5173	5173.H1		1	Y		1	6	lower grave fill	F.563	older adult (50+)	F	indirect		serpentine	dark grey/black	ring	1	F		
SOUTH	K		17	5168	5168.H2		1	1/2 frag	0.5	6	grave fill	F.563	older adult (50+)	F	indirect		schist	dark grey/black	ring	1	F			
SOUTH	K		17	5168	5168.H3		1	frag	0.25	6	grave fill	F.563	older adult (50+)	F	indirect		phyllite	dark grey/black	ring	1	F			
SOUTH	K		17	5152	5152.H5		1	frag	0.25	6	upper grave fill	F.564	infant (0-3)	indeterminate	indirect		tufa	dark red	ring	1	F			
SOUTH	K		17	5153	5153.H1		1	Y		1	6	lower grave fill	F.564	infant (0-3)	indeterminate	indirect		steatite	brown/green	ring	1	F		
SOUTH	K		17	5152	5152.H3		1	Y		1	6	upper grave fill	F.564	infant (0-3)	indeterminate	indirect		soft impure marble	beige	ring	1	F		
SOUTH	K		17	5152	5152.H4		1	Y		1	6	upper grave fill	F.564	infant (0-3)	indeterminate	indirect		phyllite/schist	dark grey/black	ring	2	F		
SOUTH	K		17	5152	5152.H6		1	Y		1	6	upper grave fill	F.564	infant (0-3)	indeterminate	indirect		phyllite	dark grey/black	ring	1	F		
SOUTH	K		17	5152	5152.H1		1	frag	0.25	6	upper grave fill	F.564	infant (0-3)	indeterminate	indirect		hard limestone	pale pink/brown	ring	1	F			
SOUTH	K		17	5152	5152.H2		1	Y		1	6	upper grave fill	F.564	infant (0-3)	indeterminate	indirect		hard limestone	beige/brown	ring	2	F		
SOUTH	K		17	5349	5349.H1		1	1/2 frag	0.5	6	lower fill of burial	F.576	infant (0-3)	indeterminate	indirect		tufa	dark red	ring	1	F			