

Ksar Akil Lebanon

A Technological and Typological Analysis of
the Transitional and Early Upper Palaeolithic
Levels of Ksar Akil and Abu Halka

Volume I: Levels XXV - XII

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Part ii Illustrations

LEVEL XXV
SOS E4

TYPES	DEBITAGE											TOOLS						BUTTS							MISCELLANEOUS										
	Whole	Frag.	LEV. FLAKES	Frag.	Whole	FLAKES	Frag.	Whole	LEV. BLADES	Frag.	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	THERM. FRACTURES		
																																		Whole	Frag.
1 END - SCRAPER			3	2	2												5	7.14																	
2 ATYPICAL END - SCRAPER			1	2	4	2	1	2									12	17.14	4			1	1	1							1				
3 DOUBLE END - SCRAPER																																			
4 OGIVAL END - SCRAPER																																			
5 END - SCRAPER ON A RET. FLAKE																																			
6 END - SCRAPER ON A RET. FLAKE																																			
7 FRONT CARINATED END - SCRAPER																																			
8 LAT CARINATED END - SCRAPER																																			
9 A.T.P. CARINATED END - SCRAPER																																			
10 THICK NOSED END - SCRAPER																																			
11 END - SCRAPER																																			
12 INVERSE END - SCRAPER																																			
13 CHAM. PIECE OBLIQUE RET. TRUNC			2	2	3																														
14 CHAM. PIECE ON LATERAL PREP.			1	1	2	1	4	1																											
15 CHAM. PIECE TRUNC CONVEX			1	1	4	1																													
16 CHAM. PIECE TRUNC CONVEX RET. TRUNC																																			
17 MULTIPLE CHAM. PIECE																																			
18 END - SCRAPER BURIN																																			
19 END - SCRAPER INDICATED BLADE																																			
20 BURIN - TRUNCATED BLADE																																			
21 PIERCER																																			
22 DIHEDRAL STRAIGHT BURIN																																			
23 DIHEDRAL A.S.W. BURIN																																			
24 ANGULAR BURIN																																			
25 DIHEDRAL ANGLE BURIN ON A BREAK																																			
26 MULTIPLE DIHEDRAL BURIN																																			
27 CARINATED BURIN																																			
28 CARINATED BURIN																																			

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL x x v
SQ. E4

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

· DEBITAGE ·	L'ÉVALLOIS		L'ÉVALLOIS NON -		RETOUCH							BUTTS					MISCELLANEOUS									
	2	4	1	3	1 edge	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES		
POINTS																										
FRAGS																										
FLAKES			1	1	1					1	20		1								1					
FRAGS	2	1	2	3	1					2	60	2									2					
BLADES			1	1	1					1	20										1					
FRAGS																										
BLADELETS																										
FRAGS																										
TOTAL	2	3	4	5	1					2		2	1								1	4				
%	40	60	80	100	20					50		25									25	100				

LEVEL XXV
SQ E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	2		2	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	2		2	4.34
%	100		100	
FLAKES	2	10	12	
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS	8	6	14	
TOTAL 2	10	17	27	58.69
%	37.03	62.97	100	
FLAKE BLADES		4	4	
DIS. FRAGS		2	2	
MES. FRAGS		1	1	
PROX. FRAGS		5	5	
TOTAL 3		12	12	26.09
%		100	100	
BLADES		3	3	
DIS. FRAGS	1		1	
MES. FRAGS				
PROX. FRAGS		1	1	
TOTAL 4	1	4	5	10.87
%	20	80	100	
BLADELETS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5				
%				
TOTAL 1-5	13	33	46	100
%	28.26	71.74	100	

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
1	1								2	
1	1								2	4.88
50	50								100	
5	3			1				3	12	
1	6	1	2					4	14	
6	9	1	3					7	26	63.41
23	08	34.62	3.85	11.54				26.92	100	
		3						1	4	
		1	1	1		1		1	5	
		4	1	1		1		2	9	21.95
		44.44	11.11	11.11		11.11		22.22	100	
1	1					1			3	
						1			1	
1	1					2		4	9.76	
25	25					50		100		
8	15	2	4			3		9	41	100
19.51	36.59	4.88	9.76			7.32		21.95	100	

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	1			1	
FLAKE BLADES	3		2	5	
BLADES					
BLADELETS					
TOTAL	4		2	6	
%	8.69		4.35		

LEVEL XXV
SQ. E4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	1	4.76							
LEVALLOIS FLAKE	6	28.57	2	2	4	17.39			
LEVALLOIS BLADE	2	9.52	2	1	3	13.04			
LEVALLOIS POINT	1	4.76	1		1	4.35			
PYRAMIDAL	2	9.52	1	1	2	8.69			
PRISMATIC - 1 PLATFORM	4	19.05		4	4	17.39	1	4.35	
PRISMATIC - 2 PLATFORMS	4	19.05		8	8	34.78			
GLOBULAR									
SHAPELESS	1	4.76	1		1	4.35			
DEBRIS									
TOTAL	21	100	7	16	23	100	1	4.35	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
1	1	1		2		1	6		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

LEVEL XXIV
SQ E4 AND F4
· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRISAGE	LEVALLOIS		NON-LEVALLOIS		RETOUCH						MISCELLANEOUS		BUTTS						MISCELLANEOUS					
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES		
POINTS	1				1				1	11-11	1								1					
FRAGS		1			1				1	11-11														
FLAKES	1	2	3						3	33-33		3							3	1				
FRAGS		1	1						1	11-11														
BLADES	1	1		2	2				2	22-22		1	1						2					
FRAGS		1	1						1	11-11								1	1					
BLADELETS																								
FRAGS																								
TOTAL	3	6	5	4	4	4	9	9	100	100	1	4	1					1	7	1				
%	33-33	66-67	55-55	44-44	44-44	44-44	57-57	57-57	100	100	14-29	57-14	14-29					14-29	100	1-1-11				

LEVEL X X I V
SQ E4 AND F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	6	3	9	
DIS. FRAGS	1	1	2	
MES. FRAGS				
PROX. FRAGS	3	1	4	
TOTAL 1	10	5	15	23.08
%	66.67	33.33	100	
FLAKES	6	2	8	
DIS. FRAGS		1	1	
MES. FRAGS		5	5	
PROX. FRAGS	3	8	11	
TOTAL 2	9	16	25	38.46
%	36	64	100	
FLAKE BLADES		4	4	
DIS. FRAGS				
MES. FRAGS	1	1	2	
PROX. FRAGS	2	5	7	
TOTAL 3	3	10	13	20
%	23.08	76.92	100	
BLADES	2	4	6	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS	6		6	
TOTAL 4	8	4	12	18.46
%	66.67	33.33	100	
BLADELETS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5				
%				
TOTAL 1-5	30	35	65	100
%	46.15	53.85	100	

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	%
3	3		1	1				1	9	
2	1							1	4	
5	4	1	1					2	13	23.64
38.46	30.77	7.69	7.69					15.38	100	
5	1			2					8	
5	1	3	1		1				11	
10	2	3	3		1				19	34.55
52.63	10.53	15.79	15.79		5.26				100	
1	1				1				4	
3	3				1				7	
4	4				2	1			11	20
36.36	36.36				18.18	9.09			100	
3	2							1	6	
1	3				2				6	
4	5				2			1	12	21.82
33.33	41.67				16.67			8.33		
23	15	4	4		5	1	3	55	100	
41.82	27.27	7.27	7.27		9.09	1.82	5.45	100		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES			1	1	
FLAKE BLADES	1			1	
BLADES					
BLADELETS					
TOTAL	1		1	2	
%	1.54		1.54		

LEVEL X X I V
SQ. E4 AND F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	1	2.70							
LEVALLOIS FLAKE	3	8.11	2		2	4.44			
LEVALLOIS BLADE	6	16.22	8	1	9	2.0			
LEVALLOIS POINT	4	10.81	4		4	8.89			
PYRAMIDAL	10	27.03		10	10	22.22			
PRISMATIC - 1 PLATFORM									
PRISMATIC - 2 PLATFORMS	9	24.32		18	18	4.0	2	4.44	
GLOBULAR									
SHAPELESS	3	8.11		2	2	4.44			
DEBRIS	1	2.70							
TOTAL	37	100	14	31	45	100	2	4.44	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
1		1	1				3		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL
2		2

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

TYPE	DEBITAGE										TOOLS							BUTTS							MISCELLANEOUS									
	Whole	Frag.	LEV. FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	BROKEN	TOTAL	Cortex	Crested	Blades	Sec. Patina	Therm. Fractures				
1	1								2					3	2-8	1											1							
2																																		
3																																		
4	2													2	1-87			1							1									
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11	1	1												3	2-8	1																		
12																																		
13	5	1	3	4	1	2	2							18	16-82	3	5						2	2	12								1	
14	5	5	5	3	6	4								28	26-17	7	3						2	1	6	19								
15	6	1	4		1									12	11-21	2	5						1		8								1	
16																																		
17														1	.93																			
18																																		
19																																		
20																																		
21																																		
22																																		
23																																		
24																																		
25																																		
26																																		
27																																		
28																																		

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVELxxiv
SQ⁵⁴

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRIDGE	LEVALLOIS		RETOUCH						BUTTS			MISCELLANEOUS													
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FEATURES		
POINTS	1			1	1				1	11:11	1										1				
FRAGS		1		1					1	11:11															
FLAKES	1	2	3						3	3:3:3		3									3	1			
FRAGS		1	1						1	11:11															
BLADES	1	1		2					2	2:2:2		1	1								2				
FRAGS		1	1						1	11:11										1	1				
BLADELETS																									
FRAGS																									
TOTAL	3	6	5	4	4	4	4	4	9	100	1	4	1						1	7	1				
%	3:3:3	6:6:6:7	5:5:5	4:4:4	4:4:4	4:4:4	4:4:4	4:4:4	100		14:29	57:14	14:29							14:29	100	1:1:1			

LEVEL XXIV
SQ E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	6	3	9	
DIS. FRAGS	1	1	2	
MES. FRAGS				
PROX. FRAGS	1		1	
TOTAL 1	8	4	12	23.53
%	66.67	33.33	100	
FLAKES	4	2	6	
DIS. FRAGS				
MES. FRAGS		5	5	
PROX. FRAGS	3	6	9	
TOTAL 2	7	13	20	39.22
%	35	65	100	
FLAKE BLADES		4	4	
DIS. FRAGS				
MES. FRAGS	1	1	2	
PROX. FRAGS		3	3	
TOTAL 3	1	8	9	17.65
%	11.11	88.89	100	
BLADES	1	4	5	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS	5		5	
TOTAL 4	6	4	10	19.61
%	60	40	100	
BLADELETS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5				
%				
TOTAL 1-5	22	29	51	100
%	43.14	56.86	100	

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
3		3		1				1	9	
1									1	
4	3		1	1				1	10	23.81
4.0	3.0		1.0	1.0				1.0	10.0	
4	1			1					6	
5			3	1					9	
9	1		3	2					15	35.71
6.0	6.67		2.0	13.33					100	
1	1						1		4	
1	1					1			3	
2	2					2	1		7	16.67
28.57	28.57					28.57	14.29		100	
2	2							1	5	
1	3					1			5	
3	5					1		1	10	23.81
3.0	5.0					1.0		1.0	10.0	
1.8	1.1		4	3		3	1	2	4.2	
42.86	26.19		9.52	7.14		7.14	2.38	4.76	100	

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES			1	1	
FLAKE BLADES	1			1	
BLADES					
BLADELETS					
TOTAL	1		1	2	
%	1.96		1.96		

LEVEL XXIV
SQ. E4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE	2	7.41	2		2	5.56			
LEVALLOIS BLADE	4	14.81	6	1	7	19.44			
LEVALLOIS POINT	4	14.81	4		4	11.11			
PYRAMIDAL	7	25.93		7	7	19.44			
PRISMATIC - 1 PLATFORM									
PRISMATIC - 2 PLATFORMS	7	25.93		14	14	38.89	2	5.56	
GLOBULAR									
SHAPELESS	3	11.11							
DEBRIS				2	2	5.56			
TOTAL	27	100	12	24	36	100	2	5.56	

CORE PREPARATION PIECES

CRESTED UNIFACIAL	BLADES BIFACIAL	PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
		PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
1		1	1				3		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL
1		1

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

LEVEL XXIV
SQS F4

TYPES	DEBITAGE				TOOLS				BUTTS					MISCELLANEOUS										
	Whole	Frag.	LEV. POINT	%	Whole	Frag.	FLAKES	TOTAL	Convex	Faceted	Straight	Dihedral	Plain	Natural	Punctiform	Linear	Broken	Total	Cortex	Crested Blades	Sec. Patina	Fractures		
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
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18																								
19																								
20																								
21																								
22																								
23																								
24																								
25																								
26																								
27																								
28																								

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS	2	1	3	
TOTAL 1	2	1	3	21.43
%	66.67	33.33	100	
FLAKES	2		2	
DIS. FRAGS		1	1	
MES. FRAGS				
PROX. FRAGS		2	2	
TOTAL 2	2	3	5	35.71
%	40	60	100	
FLAKE BLADES				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS	2	2	4	
TOTAL 3	2	2	4	28.57
%	50	50	100	
BLADES	1		1	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS	1		1	
TOTAL 4	2		2	14.29
%	100		100	
BLADELETS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5				
%				
TOTAL 1-5	8	6	14	100
%	57.14	42.86	100	

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	%
1	1							1	3	
1	1							1	3	23.07
33.33	33.33							33.33	100	
1				1					2	
	1					1			2	
1	1			1		1			4	30.77
2.5	2.5			2.5		2.5			100	
2	2								4	
2	2								4	30.77
5.0	5.0								100	
1									1	
						1			1	
1						1			2	15.38
5.0						5.0			100	
5	4			1		2		1	13	10.0
38.46	30.77			7.69		15.38		7.69	100	

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES					
FLAKE BLADES					
BLADES					
BLADELETS					
TOTAL					
%					

LEVEL XXIV
SQ. F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	1	1 0							
LEVALLOIS FLAKE	1	1 0							
LEVALLOIS BLADE	2	2 0	2		2	22.22			
LEVALLOIS POINT									
PYRAMIDAL	3	3 0		3	3	33.33			
PRISMATIC - 1 PLATFORM									
PRISMATIC - 2 PLATFORMS	2	2 0		4	4	44.44			
GLOBULAR									
SHAPELESS									
DEBRIS	1	1 0							
TOTAL	10	100	2	7	9	100			

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL
1		1

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

LEVEL XXIII
SQS E4 AND F4

LEVEL XXIII
SQS E4 AND F4

TYPES	DEBITAGE										TOOLS						BUTTS						MISCELLANEOUS															
	Whole	Frag.	LEV. POINT	Whole	Frag.	LEV. FLAKES	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	CONVEX	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED BLADES	SEC. PATINA	FRACTURES			
1 END - SCRAPER	1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4.37	2	1	1	1	1	1	1	1	2	8	4			3			
2 ATYPICAL END - SCRAPER	3	6	2	5	1	2	1													20	3.64	3	1		1				2	7			1					
3 DOUBLE END - SCRAPER								1												2	0.36																	
4 END - SCRAPER ON A RET. FLAKE	2							2												5	0.91	1	1															
5 END - SCRAPER ON AN AURIG. BLADE																																						
6 FRONT. CARINAT END - SCRAPER																																						
7 LAT. - CARINAT END - SCRAPER																																						
8 AURIG. CARINAT END - SCRAPER																																						
9 THICK NOSED END - SCRAPER																																						
10 SHOULDERED END - SCRAPER	2	2	3	1	1	1	1													9	1.63	2	2	1	1	1	1	1	6									
11 INVERSE END - SCRAPER																																						
12 CHAM. PIECE ON LATERAL PREP.	3	3	18	14	13	11	5	3	15											112	20.40	2	1	2	3	7	2	1	5	61	1	2			5			
13 CHAM. PIECE ON LATERAL PREP.	3	8	19	13	15	20	4	10	5											124	22.58	2	7	3	4	6	1	1	3	81	1	2			1			
14 CHAM. PIECE CONVEX RET. TRUNC	1	4	7	5	8	6	2	1	1											4	8.01	9	8	6	6	2	2	1	26						3			
15 CHAM. PIECE CONVEX RET. TRUNC	7	4	1	4	1															17	3.08	4	4	1	1				9	1					1			
16 MULTIPLE BURIN SCRAPER	1	1	3																	6	1.09																	
17 BURIN TRUNCATED BLADE																																						
18 BURIN TRUNCATED BLADE																																						
19 BURIN TRUNCATED BLADE																																						
20 BURIN TRUNCATED BLADE																																						
21 BURIN TRUNCATED BLADE																																						
22 BURIN TRUNCATED BLADE																																						
23 BURIN TRUNCATED BLADE	1																			2	0.36	1	1															
24 BURIN TRUNCATED BLADE	1	1	1	1	2	1	1	1	1											6	1.09	2		1														
25 BURIN TRUNCATED BLADE																																						
26 BURIN TRUNCATED BLADE																																						
27 BURIN TRUNCATED BLADE																																						
28 BURIN TRUNCATED BLADE																																						

TOOLS

DEBITAGE

BUTTS

MISCELLANEOUS

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		Frag		TOTAL		%							
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Convex	Faceted	Straight					
29 BURIN ON A STRAIGHT RET. TRUNC																								
30 BURIN ON AN OBLIQUE RET. TRUNC	9	5	1	6	3	5	1	3	1	3	1	1	1	3	6	01	6	7	1	2				
31 BURIN ON A CONCAVE RET. TRUNC		1	1	2	1	1	1	1	1	1	1	1	1	2	09	1	2			3				
32 BURIN ON A CONVEX RET. TRUNC	3	3	1	3	2	1	1	1	1	1	1	1	1	15	272	5	5	3	1	8				
33 WHOLE BURIN				4										4	072									
34 MULTIPLE BURIN																								
35 BURIN ON A LATERAL PREP.	2	2	2	2	1	3	1	1	1	1	1	1	1	14	254	2	4	1	1	8				
36 KSAR AKIL POINT																								
37 PIECE																								
38 PARTIALLY BACKED PIECE	2	2	7	1	4	2	1	1	1	1	1	1	1	18	327	7	5	2		14				
39 DOUBLE PARTIALLY BACKED PIECE														2	036	1		1		2				
40 STRAIGHT RET. TRUNCATION																								
41 OBLIQUE RET. TRUNCATION																								
42 CONCAVE TRUNCATION																								
43 CONVEX TRUNCATION																								
44 DOUBLE TRUNCATION																								
45 AURIGNACIAN BLADE																								
46 POINT A & FACE PLANE																								
47 BLADE BY RET																								
48 NOTCHED PIECE																								
49 DENTICULATED PIECE																								
50 SPLINTERED PIECE																								
51 SIDE SCRAPER																								
52 TRUNCATED BLADELET WITH INVERSE RET																								
53																								
54 DIVERS	1	1	2	1	4	1	1	1	1	1	1	1	1	11	2	3	1			4				
TOTAL	17	12	110	88	57	102	68	26	26	43	549	100	37-17	37-5	3-26	12-17	1-32	1-98	66	5-9	13	7	3	18
%	3-09	2-18	2	0	16-01	10-37	18-22	12-38	4-73	4-73	7-83	100									2-36	1-27	5-4	3-27

LEVEL xx111
SQ E4 AND F4

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRIDGE	LEVALLOIS		RETETCH						BUTTS						MISCELLANEOUS									
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS	1		1						1	5.88	1									1				
FRAGS																								
FLAKES	1	1	2						2	11.76	2									2				
FRAGS	3	5	5	3					8	47.06		2		1					2	5	1			
BLADES	1		1						1	5.88				1							1			
FRAGS	2	3	5						5	29.41	2	2								4	1			
BLADELETS																								
FRAGS																								
TOTAL	8	9	14	3					17	100	5	4		2					2	13	2			
%	47.06	52.94	82.35	17.65					100		38.46	30.77		15.38					15.38	10.0	11.76			

LEVEL XXIII
SQ E4 AND F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	93	7	100	
DIS. FRAGS	9	4	13	
MES. FRAGS				
PROX. FRAGS	3	1	4	
TOTAL 1	105	12	117	15.47
%	89.74	10.26	100	
FLAKES	14	13	27	
DIS. FRAGS		3	3	
MES. FRAGS	30	20	50	
PROX. FRAGS	208	111	319	
TOTAL 2	252	147	399	52.78
%	63.16	36.85	100	
FLAKE BLADES	12	7	19	
DIS. FRAGS		2	2	
MES. FRAGS	2	11	13	
PROX. FRAGS	92	41	133	
TOTAL 3	106	61	167	22.09
%	63.47	36.53	100	
BLADES	15	13	28	
DIS. FRAGS	1		1	
MES. FRAGS		4	4	
PROX. FRAGS	27	10	37	
TOTAL 4	43	27	70	9.25
%	61.43	38.57	100	
BLADELETS		1	1	
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS		1	1	
TOTAL 5	3	3	6	0.39
%	100	100	100	
TOTAL 1-5	508	250	756	100
%	66.93	33.07	100	

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
44	37		6	9				4	100	
2	2								4	
46	39	6	9					4	104	15.55
44.23	37.5	5.77	8.65					3.85	100	
11	6		7	1	1			1	27	
107	146	9	46	1	5	2	3	319		
118	152	9	53	2	6	2	4	346	51.72	
34.1	43.93	2.6	15.32	.58	1.74	.58	1.16	100		
3	10		3		2	1		19		
64	43	1	9		4	2	10	133		
67	53	1	12		6	3	10	152	22.72	
44.08	34.87	.66	7.89		3.95	1.97	6.58	100		
7	10	1	4		5	1		28		
12	14		2	1	6	1	1	37		
19	24	1	6	1	11	2	1	65	9.71	
29.23	36.92	1.54	9.23	1.54	16.92	3.08	1.54	100		
					1			1		
	1							1		
	1				1			2	0.3	
	50				50			100		
250	269	17	80	3	24	7	19	669	100	
37.37	40.21	2.54	11.96	.45	3.59	1.05	2.84	100		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS			1	1	
FLAKES			19	19	
FLAKE BLADES	5		12	17	
BLADES	4		2	6	
BLADELETS					
TOTAL	9		34	35	
%	1.19		4.49		

LEVEL XXIII
SQ. E4 AND F4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	2	1.32							
LEVALLOIS FLAKE	6	3.97	5	1	6	4.29			
LEVALLOIS BLADE	19	12.58	23	4	27	19.29			
LEVALLOIS POINT	20	13.25	19		19	13.57			
PYRAMIDAL	29	19.21	2	27	29	20.71			
PRISMATIC - 1 PLATFORM	17	11.26		17	17	12.14	2	1.43	
PRISMATIC - 2 PLATFORMS	21	13.91		42	42	30	1	.71	
GLOBULAR	1	.67							
SHAPELESS	11	7.28							
DEBRIS	25	16.56							
TOTAL	151	100	49	91	140	100	3	2.14	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM.C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1.PLAT.	PRIS.2.PLAT.					
7	2	6	3	7	4		29		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
	2						2

HAMMERSTONES

PEBBLES

RED OCHRE

WHOLE	FRAG.	TOTAL
1		1

WHOLE	FRAG.	TOTAL
	2	2

TOTAL

CHAMFER SPALLS

TOTAL
8

LEVEL XXIII
SOS E4

TYPE	DEBITAGE										TOOLS										BUTTS							MISCELLANEOUS										
	Whole	Frag.	Whole	LEV. FLAKES	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	CONVEX	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTURE	LINEAR	BROKEN	TOTAL	CORTX	CRESTED	BLADES	SEC. PATINA	THERM. FRACTURES				
1			1	3	3	11	1										19	3.89	1	1													4			2		
2			3	6	2	5	1	2	1								20	4.09	3	1															1			
3							1										1	0.2															1					
4			2				2										5	1.02	1	1																		
5																																						
6																																						
7																																						
8																																						
9																																						
10																																						
11			2				1	3	1								8	1.64	2	1																		
12																																						
13			3	3	18	13	12	10	5	3	14						108	22.09	2	1	2	1	3	7	1													
14			3	7	19	11	15	19	4	9	5						119	24.34	2	5	1		1	1	1													
15			14	7	5	7	6	2	1	1							43	8.79	9	8			6	1														
16			7	4	1	4	1										17	3.48	4	4																		
17			1				2			1							5	1.02																				
18																																						
19																																						
20																																						
21																																						
22			1																																			
23			1	1			1	2									6	1.23	2				1															
24																																						
25																																						
26																																						
27																																						
28																																						

LEVEL XXIII
SQ. E4

TYPES

TYPES	DEBITAGE										TOOLS						BUTTS								MISCELLANEOUS											
	Whole	Frag	LEV. POINT	Whole	Frag	FLAKES	Whole	Frag	LEV. BLADES	Whole	Frag	BLADES	Whole	Frag	BLADETS	Frag	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	BROKEN	TOTAL	Cortex	Crested	Blades	Sec. Patina	Therm			
29 BURIN ON A RET. TRUNC								1							1					6	6															
30 BURIN ON A RET. TRUNC	8	5	1	6	3	5	1	2							2					6	6			1			2					1		2		
31 BURIN ON A TRUNC									1											1	1															
32 BURIN ON A TRUNC								3	3	2	1	1								5	5		3											1		
33 MULTIPLE BURIN								4																												
34 MIXED BURIN																																				
35 BURIN ON A LATERAL PREP.	2	2	2	2		3	1	1												2	4	1														
36 KSARAKIL POINT																																				
37 BACKED PIECE																																				
38 BACKED PIECE	2	2	2	7	2	2		2												5	4		2													
39 DOUBLE PART BACKED PIECE								1												1	1															
40 STRAIGHT RET. TRUNCATION							3	2	1	1	1									2	2													1		
41 OBLIQUE RET. TRUNCATION																				4	2	1					1									
42 CONVEX TRUNCATION							3	2	3	3	2									4	2	1					1									
43 CONVEX TRUNCATION RET.								1																												
44 DOUBLE TRUNCATION																				1	1															
45 AURIGNACIAN BLADE																																				
46 POINT A FACE PLANE																																				
47 POINTED BY RET																																				
48 NOTCHED PIECE									4	6	1	2								5	3															
49 DENTICULATED PIECE																																				
50 SPLINTERED PIECE																																				
51 SIDE SCRAPER																																				
52 TRUNCATED BLADELET																																				
53 BLADELET WITH INVERSE RET																																				
54 DIVERS	1	1	2	2	2	1														2	1															
TOTAL	16	12	109	88	41	90	60	24	20	29									99	107	7	29	3	2	2	17	266	9	4	3	17					
%	3-27	2-45	22-29	17-99	8-36	18-41	12-27	4-91	4-09	5-93									37-22	40-23	2-63	10-90	1-13	.75	.75	6-39	100	1-84	.82	.61	3-48					

LEVEL xxiii
SQ E4

TECHNOLOGY

RETOUCH

BUTTS

MISCELLANEOUS

DEBITAGE	LEVALLOIS		RETOUCH						BUTTS			MISCELLANEOUS											
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC PATINA	THERM FACTURES	
POINTS																							
FRAGS																							
FLAKES	1		1						1	8.33	1								1				
FRAGS	3	4	4	3					7	58.33	2							2	4	1			
BLADES																							
FRAGS	2	2	4						4	33.33	2								4	1			
BLADELETS																							
FRAGS																							
TOTAL	6	6	9	3					12	100	3	4						2	9	2			
%	50	50	75	25					100		33.33	44.44						22.22	100	16.67			

LEVEL XXIII
SO E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	74	6	80	
DIS. FRAGS	9	2	11	
MES. FRAGS				
PROX. FRAGS	3	1	4	
TOTAL 1	86	9	95	16.24
%	90.53	9.47	100	
FLAKES	7	4	11	
DIS. FRAGS		1	1	
MES. FRAGS	30	13	43	
PROX. FRAGS	177	103	280	
TOTAL 2	214	121	335	57.26
%	63.88	36.12	100	
FLAKE BLADES	7		7	
DIS. FRAGS		1	1	
MES. FRAGS	2	5	7	
PROX. FRAGS	62	39	101	
TOTAL 3	71	45	116	19.83
%	61.21	38.79	100	
BLADES	11	8	19	
DIS. FRAGS	1		1	
MES. FRAGS		1	1	
PROX. FRAGS	10	5	15	
TOTAL 4	22	14	36	6.15
%	61.11	38.89	100	
BLADELETS		1	1	
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS		1	1	
TOTAL 5		3	3	.51
%		100	100	
TOTAL 1-5	393	192	585	100
%	67.18	32.82	100	

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
33	34	5	4					4	80	
2	2								4	
35	36	5	4					4	84	16.18
41.67	42.86	5.95	4.76					4.76	100	
4	4		1	1				1	11	
93	138	8	32	1	3	2	3	280		
97	142	8	33	2	3	2	4	291	56.07	
33.33	48.79	2.75	11.34	69	1.03	.69	1.37	100		
1	5		1					7		
48	36	1	2		3	1	10	101		
49	41	1	3		3	1	10	108	20.81	
45.37	37.96	.93	2.78		2.78	.93	9.24	100		
5	8	1	4		1			19		
7	6						1	1	15	
12	14	1	4		1	1	1	34	6.55	
35.29	41.18	2.94	11.76		2.94	2.94	2.94	100		
						1		1		
	1							1		
	1				1			2	.39	
	50				50			100		
193	234	15	44	2	8	4	19	519	100	
37.19	45.09	2.89	8.48	.39	1.54	.77	3.66	100		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS			1	1	
FLAKES			19	19	
FLAKE BLADES	5		12	17	
BLADES	4		2	6	
BLADELETS					
TOTAL	9		34	43	
%	1.54		5.81		

LEVEL XXIII
SQ. E4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	1	1.2							
LEVALLOIS FLAKE	1	1.2	1		1	1.23			
LEVALLOIS BLADE	11	13.25	13	4	17	20.99			
LEVALLOIS POINT	19	22.89	18		18	22.22			
PYRAMIDAL	17	20.48	2	15	17	20.99			
PRISMATIC - 1 PLATFORM	12	14.46		12	12	14.81	1	1.23	
PRISMATIC - 2 PLATFORMS	8	9.64		16	16	19.75			
GLOBULAR									
SHAPELESS	8	9.64							
DEBRIS	6	7.33							
TOTAL	83	100	34	47	81	100	1	1.23	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS. 1 PLAT.	PRIS. 2 PLAT.					
4		3	1	3	2		13		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
	2						2

HAMMERSTONES

WHOLE	FRAG.	TOTAL
1		1

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

CHAMFER SPALLS

TOTAL
8

LEVEL XXIII
SQS F4

TYPES	DEBITAGE										TOOLS					BUTTS						MISCELLANEOUS									
	Whole	Frag.	LEV. FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADETS	Frag.	TOTAL	%	CONVEX	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED BLADES	SEC. PATINA	FRAC- TURES		
1 END - SCRAPER				1			1	1	1	1	1			5	8-33	1		1	1											1	
2 ATYPICAL END - SCRAPER																															
3 DOUBL SCRAPER									1					1	1-67																
4 OSIVAL END - SCRAPER																															
5 END - SCRAPER ON A RET. FLAKE																															
6 END - SCRAPER ON AN AURIG. BLADE																															
7 END - SCRAPER																															
8 LAT - CARINAT END - SCRAPER																															
9 A.TYP. CARINAT END - SCRAPER																															
10 THICK NOSED END - SCRAPER																															
11 THICK NOSED END - SCRAPER				1										1	1-67			1								1					
12 INVERSE END - SCRAPER																															
13 CHAM. PIECE OBLIQUE RET. TRUNC				1	1	1				1				4	6-67			1			1					2					
14 CHAM PIECE ON LATERAL PREP.				1	2	1				1				5	8-33	2		2	2	1						5					
15 CHAM PIECE CONCAVE RET. TRUNC									1					1	1-67																
16 CHAM. PIECE CONVEX RET. TRUNC																															
17 MULTIPLE CHAM. PIECE										1				1	1-67																
18 END - SCRAPER BURIN																															
19 END - SCRAPER END - FACETED BLADE																															
20 BURIN - TRUNCATED BLADE																															
21 PIERCER																															
22 DIHEDRAL BURIN																															
23 DIHEDRAL BURIN ASYM										1				1	1-67			1								1					
24 DIHEDRAL BURIN ANGLE																															
25 MULTIPLE ANGLE BURIN ON A BREAK																															
26 MULTIPLE BURIN ON A BREAK																															
27 DIHEDRAL BURIN BURINATED																															
28 FLAT - FACED CARINAT - BURIN																															

TYPES	DEBITAGE													TOOLS										BUTTS						MISCELLANEOUS			
	Whole	Frag	LEV. FLAKES	Whole	Frag	FLAKES	Whole	Frag	LEV. BLADES	Whole	Frag	BLADES	Whole	Frag	BLADELETS	Frag	TOTAL	%	CONVEX	Faceted	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	CORTX	CRESTED BLADES	SEC. PATINA	FRACTURES	
29 BURIN ON A STRAIGHT RET. TRUNC																	2	3-33			1							1					
30 BURIN ON AN OBLIQUE RET. TRUNC																	2	3-33			1								1				
31 BURIN ON A CONVEX RET. TRUNC			1														1	1-67			1												
32 BURIN ON A CONVEX RET. TRUNC																	1	1-67											1				
33 MULTIPLE BURIN TRUNC																																	
34 MULTIPLE BURIN MIXED																																	
35 BURIN ON A LATERAL PREP.			1														1	1-67			1												
36 POINT TAIL																																	
37 BACKED PIECE																																	
38 PARTIALLY BACKED PIECE			1		2												3	5			2		1						3				
39 DOUBLE PART BACKED PIECE																	1	1-67			1							1					
40 STRAIGHT RET. TRUNCATION																	2	3-33											1				
41 OBLIQUE TRUNCATION											3						3	5			3												
42 CONVEX RET. TRUNCATION			1		1												3	5			1							2					
43 CONVEX RET. TRUNCATION			2		1						1						4	6-67			1		2					3					
44 DOUBLE TRUNCATION																																	
45 AURIGNACIAN BLADE																																	
46 FACET PLANE																																	
47 BLADE POINTED BY RET																																	
48 NOTCHED PIECE						2											4	6 10			3							3					
49 DENTICULATED PIECE																																	
50 SPALTERED SIDE						2											1	3 5															
51 SCRAPER			2															2	3-33								2						
52 TRUNCATED BLADELET																																	
53 BLADELET WITH INVERSE RET																																	
54 DIVERS			1		2													4	6-67			1					1						
TOTAL	1	1	16	12	8	2	6	14									60	100			14	7	3	8	1	4	1	38	4	3	1		
%	1-67	1-67	26-67	20	13-33	3-33	10	23-33									100				36-67	18-42	7-89	21-05	2-63	10-53	2-63	100	6-67	5	1-67		

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL XXIII
SQ F4

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBITAGE	LEVALLOIS		NON LEVALLOIS		1 edge		2 edges		1 edge		INVERSE		2 edges		TOTAL		%	FACETED			TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES		
	1		1		1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	convex	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM		LINEAR	BROKEN							
POINTS	1				1						1				1	20										
FRAGS																										
FLAKES			1		1						1				1	20										
FRAGS			1		1						1				1	20										
BLADES					1						1				1	20										
FRAGS			1		1						1				1	20										
BLADELETS																										
FRAGS																										
TOTAL	2	3			5						5				100						2				4	
%	40	60			100						100				100						50				100	

LEVEL X XIII
SO F 4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	19	1	20	
DIS. FRAGS		2	2	
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	19	3	22	12.87
%	86.36	13.64	100	
FLAKES	7	9	16	
DIS. FRAGS		2	2	
MES. FRAGS		7	7	
PROX. FRAGS	31	8	39	
TOTAL 2	38	26	64	37.43
%	59.38	40.63	100	
FLAKE BLADES	5	7	12	
DIS. FRAGS		1	1	
MES. FRAGS		6	6	
PROX. FRAGS	30	2	32	
TOTAL 3	35	16	51	29.82
%	68.63	31.37	100	
BLADES	4	5	9	
DIS. FRAGS				
MES. FRAGS		3	3	
PROX. FRAGS	17	5	22	
TOTAL 4	21	13	34	19.83
%	61.76	38.24	100	
BLADELETS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5				
%				
TOTAL 1-5	113	58	171	100
%	66.08	33.92	100	

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
11	3	1	5						20	
11	3	1	5						20	13.33
55	15	5	25						100	
7	2		6		1				16	
14	8	1	14		2				39	
21	10	1	20		3				55	36.67
38.18	18.18	1.82	36.36		5.45				100	
2	5		2		2	1			12	
16	7		7		1	1			32	
18	12		9		3	2			44	29.33
40.9	27.27		20.45		6.82	4.55			100	
2	2				4	1			9	
5	8		2	1	6				22	
7	10		2	1	10	1			31	20.67
22.58	32.26		6.45	3.23	32.26	3.23			100	
57	35	2	36	1	16	3			150	100
38	23.33	1.33	24	.67	10.67	2			100	

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES					
FLAKE BLADES					
BLADES					
BLADELETS					
TOTAL					
%					

LEVEL XXIII
SQ. F 4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	1	1.47							
LEVALLOIS FLAKE	5	7.35	4	1	5	8.47			
LEVALLOIS BLADE	8	11.76	1 0		1 0	16.95			
LEVALLOIS POINT	1	1.47	1		1	1.69			
PYRAMIDAL	1 2	17.65		1 2	1 2	20.34			
PRISMATIC - 1 PLATFORM	5	7.35		5	5	8.47	1	1.69	
PRISMATIC - 2 PLATFORMS	1 3	19.12		2 6	2 6	44.07	1	1.69	
GLOBULAR	1	1.47							
SHAPELESS	3	4.41							
DEBRIS	1 9	27.94							
TOTAL	6 8	1 0 0	1 5	4 4	5 9	1 0 0	2	3.39	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS. 1 PLAT.	PRIS. 2 PLAT.					
3	2	3	2	4	2		1 6		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL
	2	2

RED OCHRE

TOTAL

LEVEL XXII
SOS E4 AND F4

TOOLS

DEBITAGE

BUTTS

MISCELLANEOUS

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		Frag.		TOTAL	%	CONVEX								
	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.			CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTURE	LINEAR	BROKEN
1 END - SCRAPER	42	9	67	57	18	5	36	21							255	15.52	42	40	2	56	4	5	3	11	163
2 ATYPICAL END SCRAPER	10	3	23	26	8	2	12	1							85	5.21	18	8	1	12	1	6		7	53
3 DOUBLE END - SCRAPER		1		9		1		6							17	1.04									
4 OGIVAL END - SCRAPER	5	2	7	7		4	2								27	1.65	2	4		6	1	2	1		16
5 END - SCRAPER ON A RET. FLAKE	5	1	32	9		1	3								51	3.12	6	8	1	16	3	1	1	4	40
6 END - SCRAPER ON A RET. FLAKE																									
7 FRONT CARINAT																									
8 LAT - CARINAT																									
9 A TYP. CARINAT																									
10 THICK NOSED END - SCRAPER			2	1											4	.24	1	2							3
11 SHOULDERED END SCRAPER	4	2	22	16	4		7	4							59	3.61	7	7		15	2	4		1	36
12 END - SCRAPER																									
13 CHAM. PIECE OBLIQUE RET. TRUNC	49	8	19	28	17	3	7	6							137	8.39	22	27	6	18	1	8	1	9	92
14 CHAM. PIECE ON LATERAL PREP.	25	5	9	7	13		4	9							72	4.41	17	11	4	16		2	1	51	
15 CHAM. PIECE CONCAVE RET. TRUNC	19	4	10	5	1	5	4								48	2.94	6	9	4	7	2	3	2	33	
16 COARSE PIECE CONCAVE RET. TRUNC	5	3	4	6	3		1	1							23	1.41	3	2		4		1	2	13	
17 MULTIPLE CHAM. PIECE	7		5			2		2							16	.98									1
18 END - SCRAPER BURIN	2		5			3		10							20	1.22									3
19 END - SCRAPER TRUNCATED BLADE															6	.37									2
20 BURIN TRUNCATED BLADE															2	.12									1
21 PIERCER																									
22 DIHEDRAL STRAIGHT BURIN	3		5	3	8	1	2	1							23	1.41	9	4		5				18	
23 DIHEDRAL BURIN ASYM.	2	1	2	2	2	1	1	2							13	.79	4	1	2					7	
24 DIHEDRAL BURIN ANGLE			2	6	1			1							10	.61	2							3	
25 DIHEDRAL BURIN ANGLE A BREAK	10		10	3	7		3	2							35	2.14	11	8		6	1	1	3	30	
26 MULTIPLE DIHEDRAL BURIN																									
27 CARINATED BURIN																									
28 FLAT - FACED CARINAT. BURIN																									

LEVEL XXII
SQ. E4 AND F4

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		TOTAL %	MISCELLANEOUS																							
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag		%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Punctiform	Linear	Broken	Total	Cortex	Chested	Blades	Sec. Patina	Therm. Fractures								
29 BURIN ON A STRAIGHT RET. TRUNC													10.61	3	2	1								7	2												
30 BURIN ON AN OBLIQUE RET. TRUNC	8	1	14	1	25	30	30	3	19	18			149.912	30	32	2	24	1	1	3	4	97	28	1	2	10											
31 BURIN ON A CONCAVE RET. TRUNC	16	2	9	10	5	2	6						51.312	4	5		5		2			16	9			4											
32 BURIN ON A TRUNC BURIN	4	1	14	3	12	20	11	4	18	5			92.563	16	22	16	16	1	1	3	59	7				7											
33 MULTIPLE BURIN	1	1	1	3	1	5	1	5					12.73	3	1							4				3											
34 MIXED BURIN													9.55													1											
35 BURIN ON A LATERAL PREP.	17	7	9	1	13	8	7	2	8	2			74.453	15	23	1	8		4	1	2	54	6			5											
36 PSARTAKIL																																					
37 BACKED PIECE													2.12																								
38 PARTIALLY BACKED PIECE	17	5	6	18	4	4	6	11	4	12			87.533	31	26	4	15		2	1		79				2											
39 DOUBLE PART BACKED PIECE													6.37	5	1							6															
40 STRAIGHT RET. TRUNCATION	3	1	1	1	4	1	2	3					16.98	4	5		1					10				1											
41 RET. TRUNCATION	6	1	6	2	9	1	9	2					36.22	11	6	11	1					30															
42 CONCAVE RET. TRUNCATION	3	5	7	3	1								19.116	3	5	3						12	5				1										
43 CONVEX RET. TRUNCATION	2	4	4	1	2	2	2						15.92									9															
44 DOUBLE TRUNCATION													1.06																								
45 AURIGNACIAN																																					
46 BURIN ON A FACE PLANE																																					
47 BLADE POINTED BY RET	7	6											15.92	5	2	1	1					10															
48 NOTCHED PIECE	6	2	9	6	8	4	3	7	2				47.288	16	3	2	11	1	2			38	1				1										
49 DENTICULATED PIECE	1												16.98	3	2	1	4	2				13	1														
50 BURIN ON A FLAT RET. TRUNCATION	3	1	4		5	3							16.98	4	6		1					15															
51 SIDE SCRAPER	1	1	1	2	5	3							23.141									17	11														
52 TRUNCATED BLADELET																																					
53 BLADELET WITH INVERSE RET	5	7	4	2	4	6	3	1	2				34.208	4	7		8	1			20	4															
54 DIVERS	6	4	26	6	9	32	32	5	18	47	170	139	1633.100									1055	180	17	12	89											
TOTAL	3-92	1-71	16-99	5-51	19-72	19-9	11-15	2-88	10-41	8-51			100	29-48	27-11	2-94	26-73	2-18	4-93	1-61	5-02	1-00	11-39	1-04	.73	5-45											

SEMI-ABRUPT DISCONTINUOUS RETOUCH

LEVEL XXII
SQ. E4 AND F4

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRIS	LEVALLOIS		NON LEVALLOIS		1 edge		NORMAL		2 edges		1 edge		INVERSE		2 edges		TOTAL	%	FACETED			TOTAL	CORTEX	SEC PATINA	THERM. FACTURES				
	LEVALLOIS	NON LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	convex	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI FORM	LINEAR	BROKEN													
POINTS	5		2	2	2	1						1	2				5	7.35											
FRAGS	3		2	1									1				3	4.41											
FLAKES	4	9	10	3								4	2	1	5		13	19.12								1			
FRAGS	6	16	16	6								2	6		6		22	32.35								1			
BLADES	12	2	13									5	4	1	3		14	20.59								1			
FRAGS	5	6	7	1	1	2	1					2	4				11	16.18								1			
BLADELETS																													
FRAGS																													
TOTAL	35	33	50	13	4	1	68	100				14	19	2	16	1	2	25.45	34.54	3.64	29.09	1.82	3.64	1.82	1.82	1.47	55	2	
%	51.47	48.53	73.53	19.12	5.88	1.47	100																						

LEVEL XXII
SQ E4 AND F4

BLANKS

TECHNOLOGY

BUTTS

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	3 14	6 5	3 79	
DIS. FRAGS	4 2	7	4 9	
MES. FRAGS	4	7	1 1	
PROX. FRAGS	4 3	4	4 7	
TOTAL 1	4 0 3	8 3	4 8 6	18-65
%	82-92	17-08	1 0 0	
FLAKES	1 2 7	5 2	1 7 9	
DIS. FRAGS	3	5	8	
MES. FRAGS	1 4	5 7	7 1	
PROX. FRAGS	3 0 6	6 5 0	9 5 6	
TOTAL 2	4 5 0	7 6 4	1 2 1 4	46-58
%	37-07	62-93	1 0 0	
FLAKE BLADES	1 3 6	7 0	2 0 6	
DIS. FRAGS	3	4	7	
MES. FRAGS	2 8	1 0	3 8	
PROX. FRAGS	2 2 0	1 8 6	4 0 6	15-21
TOTAL 3	3 8 7	2 7 0	6 5 7	25-21
%	58-9	41-1	1 0 0	
BLADES	5 9	4 9	1 0 8	
DIS. FRAGS	2	3	5	
MES. FRAGS	4	1	5	
PROX. FRAGS	8 2	4 3	1 2 5	
TOTAL 4	1 4 7	9 6	2 4 3	9 32
%	60-49	39-51	1 0 0	
BLADELETS		1	1	
DIS. FRAGS		3	3	
MES. FRAGS		1	1	
PROX. FRAGS		1	1	
TOTAL 5		6	6	23
%		100	100	
TOTAL 1-5	13 8 7	1 2 1 9	2 6 0 6	1 0 0
%	53-22	46-78	1 0 0	

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
1 2 8	1 3 6	1 3	9 6					6	3 7 9	
1 5	2 0	3	9						4 7	
1 4 3	1 5 6							6	4 2 6	17-69
33-57	36-62	3-76	24-65					1-41	1 0 0	
4 5	3 8	1 3	7 1	4	4	1	3		1 7 9	
2 9 3	3 2 8	4 1	2 2 4	1	1 9	1 4	3 6	9 5 6		
3 3 8	3 6 6	5 4	2 9 5	5	2 3	1 5	3 9	1 1 3 5	4 7-13	
29-78	32-25	4-76	25-99	4 4	2-03	1-32	3-44	1 0 0		
5 5	5 3	7	6 3	2	1 4	6	6	2 0 6		
1 1 9	1 5 2	1 5	8 3		1 9	6	1 2	4 0 6		
1 7 4	2 0 5	2 2	1 4 6	2	3 3	1 2	1 8	6 1 2	2 5-42	
28-43	33-49	3-59	23-86	3 3	5-39	1-69	2-94	1 0 0		
3 3	3 8	9	1 2		1 1	4	1	1 0 8		
2 5	4 5	1 0	3 1		9	3	2	1 2 5		
5 8	8 3	1 9	4 3		2 0	7	3	2 3 3	9-68	
24-89	35-62	8-15	18-45		8-58	3	1-29	1 0 0		
			1					1		
				1					1	
				2					2	08
			1 0 0						1 0 0	
7 1 3	8 1 0	1 1 1	5 9 1	7	7 6	3 4	6 6	2 4 0 8	1 0 0	
29-61	33-64	4-61	24-54	29	3-16	1-41	2-74	1 0 0		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS			1 5	1 5	
FLAKES	2		7 7	7 9	
FLAKE BLADES	1 5		3 8	5 3	
BLADES	3		2	5	
BLADELETS					
TOTAL	2 0		1 3 2	1 5 2	
%	7 7		5 0 7		

LEVEL XXII
SQ. E4 AND F4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	5	2.94							
LEVALLOIS FLAKE	5	2.94	3	2	5	3.09			
LEVALLOIS BLADE	16	9.41	18	2	20	12.35	3	1.85	
LEVALLOIS POINT	38	22.35	36	1	37	22.84	5	3.09	1
PYRAMIDAL	23	13.53	6	17	23	14.19	1	.62	
PRISMATIC - 1 PLATFORM	34	20		33	33	20.37	4	2.47	
PRISMATIC - 2 PLATFORMS	15	8.82		30	30	18.52			
GLOBULAR									
SHAPELESS	23	13.53	11	3	14	8.64			
DEBRIS	11	6.47							1
TOTAL	170	100	74	88	162	100	13	3.02	2

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
37	2	10	17	4	1		71	1	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
2		1	2				5

HAMMERSTONES

WHOLE	FRAG.	TOTAL
3		3

PEBBLES

WHOLE	FRAG.	TOTAL
11	2	13

RED OCHRE

TOTAL
1

LEVEL XXII
SOS E4

TOOLS

BUTTS

DEBITAGE

MISCELLANEOUS

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		TOTAL %	CONVEX FACETED STRAIGHT			DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED BLADES	SEC. PATINA	FRACTURES THERM.	
	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.		Convex	Faceted	Straight												Broken
1 END - SCRAPER													97	1655	10	24	14	2	3	1	8	62	11	3	2	14		
2 ATYPICAL END - SCRAPER													34	6-5	4	6	5					5	20	4	1	7		
3 DOUBLE END - SCRAPER													9	1-72										2	1	1	3	
4 OGIVAL SCRAPER													13	2-49	1	2	3							2			2	
5 END - SCRAPER ON A RET. FLAKE													16	3-25	3	4	2					3	12	2			2	
6 END - SCRAPER ON AN AURIG. BLADE																												
7 FRONT. CARINAT END - SCRAPER																												
8 END - SCRAPER																												
9 A TYP. CARINAT END - SCRAPER																												
10 THICK NOSED END - SCRAPER													4	.76	1	2							2				3	
11 SHOULDERED END - SCRAPER													13	2-49	2	2	2						6	7			1	
12 PERS. SCRAPER																												
13 CHAM. PIECE OBLIQUE RET. TRUNC													26	4-97	4	7	3	1	2			2	19				4	
14 CHAM. PIECE ON LATERAL PREP.													9	1-72	4												1	
15 CHAM. PIECE CONCAVE RET. TRUNC													1	.19														
16 CONVEX RET. TRUNC													4	.76	2													
17 MULTIPLE CHAM. PIECE													2	.38														
18 END - SCRAPER BURIN													6	1-15	3									1				
19 END - SCRAPER TRUNCATED BLADE													3	.57														
20 BURIN TRUNCATED BLADE																												
21 PIERCER																												
22 DIHEDRAL STRAIGHT BURIN													9	1-72	2	2												2
23 DIHEDRAL BURIN													9	1-72	2													
24 ANGULAR BURIN													5	.96														
25 DIHEDRAL ANGLE BURIN ON A BREAK													11	2-1	4	3	1	1				1	10					
26 MULTIPLE DIHEDRAL BURIN																												
27 CARINATED BURIN																												
28 FLAT - FACED CARINAT. BURIN																												

LEVEL XXII
SO. E. 4

TYPES	DEBITAGE										TOOLS										BUTTS							MISCELLANEOUS									
	Whole	Frag	Whole	LEV. FLAKES	Frag	FLAKES	Whole	Frag	LEV. BLADES	Whole	Frag	BLADES	Whole	Frag	BLADELETS	Frag	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	Broken	Total	Cortex	Crested	Blades	Sec. Patina	Therm				
29 BURIN ON A STRAIGHT RET. TRUNC	1		1	1		1		1		1		1		1		3	.57																				
30 BURIN ON AN OBLIQUE RET. TRUNC	2	6	1	2	11	14	3	3	11							53	10.13						3	1			2	27	4	1	1	6					
31 BURIN ON A CONCAVE RET. TRUNC	11	2	2	3	2	1	5									26	4.97										1							3			
32 CONVEX ON RET. TRUNC	4	5	4	5	3	2	3	2	3	2	3	2	3	2	28	5.35							2	2			3	19	2				3				
33 MULTIPLE BURIN TRUNC		1													3	.57																		2			
34 MULTIPLE BURIN MIXED		1		1											4	.76																			1		
35 BURIN ON A LATERAL PREP.	10	6	2	1	5	1	4	1							30	5.74						3	2	1	2	1	2	21						4			
36 POINT																																					
37 BACKED PIECE																																					
38 PARTIALLY BACKED PIECE	8	3	3	9	1			4							32	6.12						1	4												2		
39 DOUBLE PART BACKED PIECE		2	1												3	.57																					
40 STRAIGHT TRUNCATION		1		1	3	1	1	2							9	1.72																			1		
41 OBLIQUE RET TRUNCATION	2	1	4	2	1	1	1	1							12	2.29						2	2				1	8									
42 CONCAVE RET TRUNCATION	1		3	2	2										8	1.53																			1		
43 CONVEX TRUNCATION		1													1	.19											1	1									
44 DUNCATION															1	.19																					
45 AURIGNACIAN BLADE																																					
46 POINT A & FACE PLANE																																					
47 BLADE POINTED BY RET	4	2													8	1.53						1	1													1	
48 PIECE		1		2			3								6	1.15											1	1	5								
49 DENTICULATED PIECE				1	1										2	.38										1		2									
50 SPLINTERED PIECE	3							3							7	1.34																					
51 SIDE SCRAPER	1	1	1	3	1										7	1.34																					
52 TRUNCATED BLADELET																																					
53 BLADELET WITH INVERSE RET																																					
54 DIVERS	2		2		1	2	1	1							9	1.53																					
TOTAL	28	13	78	35	90	107	62	22	34	54					523	100																					
%	5.35	2.49	14.91	6.69	17.21	20.46	11.85	4.21	6.5	10.33					100																						

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRITAGE.	LEVALLOIS		NON-LEVALLOIS		1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex		FACETED		DIHEDRAL	PLAIN	NATURAL	PUNCTI FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES		
														straight														
POINTS	1				1						1	4.55											1					
FRAGS	1					1					1	4.55										1	1					
FLAKES	1	5			3	3					6	27.27		1	1								6					
FRAGS	6	2			6	2					8	36.36		2	4				3		1		6			1		
BLADES	2	1			3						3	13.64											3	1				
FRAGS	2	1			2			1			3	13.64		1					2		1		2					
BLADELETS																			1									
FRAGS																												
TOTAL	13	9			15	6	1				22	100		3	7			5	1	2		1	19	1		1		
%	59.09	40.91			68.18	27.27	4.55				100			15.79	36.84			26.32	5.26	10.53		5.26	100	4.55		4.55		

LEVEL XXII
SQ E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	94	25	119	
DIS. FRAGS	9	4	13	
MES. FRAGS	4	7	11	
PROX. FRAGS	30	4	34	
TOTAL 1	137	40	177	17.93
%	77.4	22.59	100	
FLAKES	28	19	47	
DIS. FRAGS		2	2	
MES. FRAGS	14	17	31	
PROX. FRAGS	306	93	399	
TOTAL 2	348	131	479	48.53
%	72.65	27.35	100	
FLAKE BLADES	34	23	57	
DIS. FRAGS		2	2	
MES. FRAGS	19	8	27	
PROX. FRAGS	134	28	162	
TOTAL 3	187	61	248	25.13
%	75.4	24.59	100	
BLADES	19	17	36	
DIS. FRAGS		3	3	
MES. FRAGS		1	1	
PROX. FRAGS	28	9	37	
TOTAL 4	47	30	77	7.8
%	61.04	38.96	100	
BLADELETS		1	1	
DIS. FRAGS		3	3	
MES. FRAGS		1	1	
PROX. FRAGS		1	1	
TOTAL 5		6	6	.61
%		100	100	
TOTAL 1-5	719	268	987	100
%	72.85	27.15	100	

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	%
4	1	5	4		1	8		6	119	
9	1	7	3	5					34	
5	0	7	1	3	2	3		6	153	17.13
32.68	46.41	1.96	15.03					3.92	100	
15	1	7	3	7	1	1		3	47	
137	182	2	36	1	4	1	36	399		
152	199	5	43	2	5	1	39	446	49.94	
34.08	44.62	1.12	9.64	4.5	1.12	2.2	8.74	100		
15	23		8	1	3	1	6	57		
39	86		21		2	2	12	162		
54	109		29	1	5	3	18	219	24.5	
24.66	49.77		13.24	4.6	2.28	1.37	8.22	100		
8	20	1	1		1	4	1	36		
8	22		4		1		2	37		
16	42	1	5		2	4	3	73	8.17	
21.92	57.53	1.37	6.85		2.74	5.48	4.11	100		
			1					1		
				1				1		
				2				2	.22	
				100				100		
272	421	9	102	3	12	8	66	893	100	
30.46	47.14	1.01	11.42	3.4	1.34	.89	7.39	100		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS			15	15	
FLAKES	2		77	79	
FLAKE BLADES	5		38	43	
BLADES	2		2	4	
BLADELETS					
TOTAL	9		132	141	
%	91		13.37		

LEVEL XXII
SQ. E4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	2	2.78							
LEVALLOIS FLAKE	1	1.39		1	1	1.41			
LEVALLOIS BLADE	7	9.72	9		9	12.68	1	1.41	
LEVALLOIS POINT	9	12.5	8		8	11.28	2	2.82	1
PYRAMIDAL	13	18.06		13	13	18.31			
PRISMATIC - 1 PLATFORM	15	20.83		15	15	21.13			
PRISMATIC - 2 PLATFORMS	9	12.5		18	18	25.35			
GLOBULAR									
SHAPELESS	13	18.06	6	1	7	9.86			
DEBRIS	3	4.17							1
TOTAL	72	100	23	48	71	100	3	4.23	2

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM.C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
20	1	3	9	2	1		36	1	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
2		1	2				5

HAMMERSTONES

WHOLE	FRAG.	TOTAL
2		2

PEBBLES

WHOLE	FRAG.	TOTAL
5	2	7

RED OCHRE

TOTAL
1

LEVEL X.II
SOS F4

TYPES	DEBITAGE											TOOLS				BUTTS							MISCELLANEOUS												
	Whole	Frag.	Whole	LEV. FLAKES	Frag.	Whole	LEV. BLADES	Frag.	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	TOTAL	%	Convex	Faceted	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTX	CRESTED BLADES	SEC. PATINA	FRACTURES THERM.					
1 END - SCRAPER				6	4	4	4	19	15						158	14.22	32	16	2	42	2	2	2	2	3	101	34	2	1	7					
2 ATYPICAL END - SCRAPER		5	1	13	15	4	1	11	1						51	4.59	14	2	1	7	1	6		2	33	8	3			2					
3 DOUBLE END - SCRAPER					4		1		3						8	.72										2			1						
4 OGIVAL END - SCRAPER		1	1	5	3		4								14	1.26	1	2	3	1	2	1	1		10	3									
5 END - SCRAPER															35	3.33	6	5	1	12	1	1	1	1	1	28	8				1				
6 END - SCRAPER ON AN AURIG. BLADE		4		22	6		1	2																											
7 FRONT. CARINAT END - SCRAPER																																			
8 LAT. CARINAT END - SCRAPER																																			
9 A.T.P. CARINAT END - SCRAPER																																			
10 END - SCRAPER																																			
11 SHOULDERED END - SCRAPER		4	1	15	12	4		7	3						46	4.14	7	5	13		4			1	30	11			1						
12 INVERSE END - SCRAPER																																			
13 CHAM. PIECE OBLIQUE RET. TRUNC		40	8	14	23	13	2	6	5						111	9.99	18	20	6	15		6	1	7	73	1									
14 CHAM. PIECE PREP.		24	4	8	7	10		4	6						63	5.67	17	7	4	16		2			46	1	1								
15 CHAM. PIECE CONCAVE RET. TRUNC		19		4	9	5	1	5	4						47	4.23	6	9	4	7	2	3	2		33	1	1								
16 CHAM. PIECE CONVEX RET. TRUNC		5	2	3	5	3			1						19	1.71	3	2	4		4	1	1		11										
17 MULTIPLE CHAM. PIECE															14	1.26																			
18 END - SCRAPER BURIN															14	1.26											3	2							
19 BURIN SCRAPER TRUNCATED BLADE															3	.27											2								
20 BURIN - TRUNCATED BLADE															2	.18																			
21 PIERCER																																			
22 DIHEDRAL STRAIGHT BURIN		3		4		5		2							14	1.26	7	2	5						14	1									
23 DIHEDRAL BURIN															4	.36	2		1							3									
24 DIHEDRAL BURIN ANGLE															5	.45	2									2									
25 DIHEDRAL ANGLE BURIN ON A BREAK		6		7	2	4		3	2						24	2.16	7	5	5		5	1	2	20	1										
26 MULTIPLE DIHEDRAL BURIN																																			
27 BURIN																																			
28 FLAT - FACED CARINAT. BURIN																																			

LEVEL xxii
SQ F4

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBITAGE	LEVALLOIS		RETOUCH						BUTTS			MISCELLANEOUS									
	LEVALLOIS	NON LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES
POINTS	4		1	2	1	1			1	1		2						4			
FRAGS	2		2							1								1			
FLAKES	3	4	7						3	1	1	2						7			1
FRAGS		14	10	4						2		6						8			
BLADES	10	1	10		1				5	4	1	1						11			
FRAGS	3	5	5	1	1	1	1		2	3								5			
BLADELETS																					
FRAGS																					
TOTAL	22	24	35	7	3	1	46	100	11	12	2	11						36			1
%	47.93	52.17	76.07	15.22	6.52	2.17	100		30.56	33.33	5.56	30.56									2.17

LEVEL XXII
SQ F4

BLANKS

TECHNOLOGY

BUTTS

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	2 2 0	4 0	2 6 0	
DIS. FRAGS	3 3	3	3 6	
MES. FRAGS				
PROX. FRAGS	1 3		1 3	
TOTAL 1	2 6 6	4 3	3 0 9	19.09
%	86.08	13.92	1 0 0	
FLAKES	9 9	3 3	1 3 2	
DIS. FRAGS	3	3	6	
MES. FRAGS		4 0	4 0	
PROX. FRAGS		5 5 7	5 5 7	
TOTAL 2	1 0 2	6 3 3	7 3 5	45.39
%	13.88	86.12	1 0 0	
FLAKE BLADES	1 0 2	4 7	1 4 9	
DIS. FRAGS	3	2	5	
MES. FRAGS	9	2	1 1	
PROX. FRAGS	8 6	1 5 8	2 4 4	
TOTAL 3	2 0 0	2 0 9	4 0 9	25.26
%	48.89	51.1	1 0 0	
BLADES	4 0	3 2	7 2	
DIS. FRAGS	2		2	
MES. FRAGS	4		4	
PROX. FRAGS	5 4	3 4	8 8	
TOTAL 4	1 0 0	6 6	1 6 6	10.25
%	60.24	39.76	1 0 0	
BLADELETS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5				
%				
TOTAL 1-5	6 6 8	9 5 1	1 6 1 9	1 0 0
%	41.26	58.74	1 0 0	

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	%
8 7		8 2	1 3	7 8					2 6 0	
6	3			4					1 3	
9 3	8 5		1 3	8 2					2 7 3	18.02
34.07	31.14		4.76	30.04					1 0 0	
3 0	2 1	1 0	6 4	3	3	1			1 3 2	
1 5 6	1 4 6		3 9	1 8 8		1 5	1 3		5 5 7	
1 8 6	1 6 7	4 9	2 5 2	3	1 8	1 4			6 8 9	45.48
26.99	24.24	7.11	36.57	4.4	2.61	2.03			1 0 0	
4 0	3 0	7	5 5	1	1 1	5			1 4 9	
8 0	6 6	1 5	6 2		1 7	4			2 4 4	
1 2 0	9 6	2 2	1 1 7	1	2 8	9			3 9 3	25.94
30.53	24.43	5.59	29.77	2.5	7.12	2.29			1 0 0	
2 5	1 8	8	1 1		1 0				7 2	
1 7	2 3	1 0	2 7		8	3			8 8	
4 2	4 1	1 8	3 8		1 8	3			1 6 0	10.56
26.25	25.63	11.25	23.75		11.25	1.88			1 0 0	
4 4 1	3 8 9	1 0 2	4 8 9	4	6 4	2 6			1 5 1 5	1 0 0
29.11	25.68	6.73	32.28	2.6	4.22	1.72			1 0 0	

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES					
FLAKE BLADES	1 0			1 0	
BLADES	1			1	
BLADELETS					
TOTAL	1 1			1 1	
%	6 8				

LEVEL XXII
SQ. F4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3	3.06							
LEVALLOIS FLAKE	4	4.08	3	1	4	4.39			
LEVALLOIS BLADE	9	9.18	9	2	11	12.09	2	2.19	
LEVALLOIS POINT	29	29.59	28	1	29	31.87	3	3.29	
PYRAMIDAL	10	10.2	6	4	10	10.99	1	1.09	
PRISMATIC - 1 PLATFORM	19	19.39		18	18	19.78	4	4.39	
PRISMATIC - 2 PLATFORMS	6	6.12		12	12	13.19			
GLOBULAR									
SHAPELESS	10	10.2	5	2	7	7.69			
DEBRIS	8	8.16							
TOTAL	98	100	51	40	91		10	10.99	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
17	1	7	8	2			35		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL
1		1

PEBBLES

WHOLE	FRAG.	TOTAL
6		6

RED OCHRE

TOTAL

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		TOTAL %	MISCELLANEOUS															
	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.		Convex	Faceted	Straight	Dihedral	Plain	Natural	Punctiform	Linear	Broken	Total	Cortex	Crested	Blades	Sec. Patina	Therm. Fractures	
1 END - SCRAPER					6	3	18	24	13	2	13	7	86	1683	14	10	3	13	2	2			6	50	25	2			4
2 ATYPICAL END - SCRAPER	2		6	7	1		2	2					20	3-91	2	2		4	2			1	11	6					
3 END BELL SCRAPER							3						3	.59										1					
4 OGIVAL SCRAPER	1	1	6	9	1		3						21	4-11				5	5			1	11	8			1		
5 END - SCRAPER ON A RET. FLAKE	3	2	21	14			5	4					49	9-59	2	5	2	13	1	3	3	29	19	2	2		2	1	
6 END - SCRAPER ON AN AURIG. BLADE																													
7 MONT. SCRAPER																													
8 LAT. CARINAT. END - SCRAPER																													
9 A TYP. CARINAT. END - SCRAPER																													
10 THICK NOSED END - SCRAPER			1	2									3	.59									1		2				
11 SHOULDERED SCRAPER	2		6	5	1		1	1					16	3-13	5	2	3	1	1			11	7					2	
12 INVERTED SCRAPER																													
13 CHAM. PIECE OBLIQUE RET. TRUNC								2					2	.39									2						
14 CHAM. PIECE ON LATERAL PREP.																													
15 CHAM. PIECE CONCAVE RET. TRUNC																													
16 CHAM. PIECE CONV. RET. TRUNC																													
17 MULTIPLE CHAM. PIECE																													
18 END - SCRAPER BURIN							10						12	2-35										4					
19 END - SCRAPER TRUNCATED BLADE						1	2						3	.59															
20 BURIN TRUNCATED BLADE								1					1	.19															
21 PIERCER													1	.19															
22 DIHEDRAL STRAIGHT BURIN			1	2	3		1						7	1-37				3	2			5							
23 DIHEDRAL ASYM. BURIN					2	3		3					8	1-57	1	1	1	3				6		2			1		
24 DIHEDRAL BURIN ON A BREAK	1		1	3			1						6	1-17								3		1					
25 DIHEDRAL BURIN ON A BREAK	4	1	5	2	2	1	1	1					17	3-33	2	5	5					12		3					
26 MULTIPLE DIHEDRAL BURIN								1					2	.39															
27 CARINATED BURIN																													
28 FLAT - FACED CARINAT. BURIN																													

LEVEL XXI.
SQ. E4 AND F4

DEBITAGE TOOLS BUTTS MISCELLANEOUS

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEAF BLADES		BLADES		BLADELETS		TOTAL %	CONVEX	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	THERM. FRACTURES									
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag																									
29 BURIN ON A STRAIGHT RET. TRUNC.	1	1	1	1	1	1	1	1	1	1	1	3	59	1	1							2															
30 BURIN ON A STRAIGHT RET. TRUNC.	1	1	8	2	4	4	10	2	5	3	4	7	83	7	14			5	2			28	3	1			2										
31 BURIN ON A CONCAVE RET. TRUNC.	1	1	2	2	7	2	1	1	1	1	1	1	16	3	5			1				6	6														
32 BURIN ON A CONVEX RET. TRUNC.	2	2	1	1	1	3	5	2	5	2	1	1	16	3	2	6	2	2	1			11	1														
33 MULTIPLE BURIN TRUNCATED																																					
34 MULTIPLE BURIN MIXED						3							5		2													1									
35 BURIN ON A LATERAL PREP.	4		3					3					10	1	4	3	1	2				10	1					1									
36 KSAR AKIL POINT																																					
37 BACKED PIECE	3												5		2			2				4															
38 BACKED LULLY PIECE	7	2				3	7	5	13	5	4	2	8	22	11	12		10	4			37	1				1										
39 DOUBLE PART BACKED PIECE		1						2					3		3			1				2															
40 STRAIGHT RET TRUNCATION			1			3		2					6	1	3	2	1					6															
41 OBLIQUE TRUNCATION	3	2	6	9	3		2						25	4	4	4	5					3	16	4													
42 RET. CAVA TRUNCATION	1		1	2									4		1				1			2					1										
43 CONVEX TRUNCATION						4		1					5		3	1	1					5															
44 DOUBLE TRUNCATION							2						2																								
45 AURIGNACIAN BLADE																																					
46 BLADE & FACE PLANE													1		1					1		1															
47 BLADE POINTED BY RET	7	5											13	2	5					1		8	1														
48 NOTCHED BY RET PIECE	4	3	1	4	2	7	3	4	2	1	1	3	6	7	10	9	3	2		2		1	27	1													
49 DENTICULATED PIECE	1	2	2			4	2	1					13	2	6	1				1		1	9	1				1									
50 PIECE			1	1	3								5						1			3	4														
51 SIDE SCRAPER			1		1								2		1							2						1									
52 TRUNCATED BLADELET																																					
53 BLADELET WITH INVERSE RET																																					
54 DIVERS			1	2		2		1	1				7		1		1					5	1														
TOTAL	30	11	40	23	90	130	63	20	67	37	511										83	105	10	83	8	17	1	19	326	10	0	5	6	13			
%	5.87	2.15	7.83	4.5	17.61	25.44	12.33	9.1	13.91	7.24											25.46	22.39	3.09	25.46	2.45	5.21	.31	5.83						19.57	.98	1.17	2.54

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBITAGE	LEVALLOIS		NON-LEVALLOIS		1 edge		NORMAL		2 edges		1 edge		INVERSE		2 edges		TOTAL	%	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FEATURES			
	2	4	2	4	1	4	1	4	1	4	1	4	1	4	1	4																		
POINTS	2	4	2	4	1	4	1	4	1	4	1	4	1	4	1	4	2	4.65	1	1	1	1	1	1	1	2								
FRAGS	4																4	9.3	1							1								
FLAKES	2	4	2	4	3		3				3					2	13.95	2	2	2	2	2				6	1							
FRAGS	10	4	13	1	1		1									4	32.56	4	2	2	2	2				1	9	1						
BLADES	3	7	7	2	2		2				1					4	23.26	4	1	5	5					10	1							
FRAGS	2	5	4	2	1		2				1					1	16.28	1	3	2	2					6	1							
BLADELETS																																		
FRAGS																																		
TOTAL	23	20	32	5	5		5				1					13	4.3	13	8	11	11					34	4							
%	53.49	46.51	74.42	11.63	11.63		2.33				2.33					38.24	23.53	2.94	32.35	2.94	32.35					2.94	9.3							

LEVEL XX1
SO E4 AND F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	4 7	4	5 1	
DIS. FRAGS	2	3	5	
MES. FRAGS	1		1	
PROX. FRAGS	2 2		2 2	
TOTAL 1	7 2	7	7 9	15·28
%	91·14	8·86		
FLAKES	3 0	1 2	4 2	
DIS. FRAGS				
MES. FRAGS	2	6	8	
PROX. FRAGS	1 2 4	3 3	1 5 7	
TOTAL 2	1 5 6	5 1	2 0 7	40·04
%	75·36	24·64		
FLAKE BLADES	4 5	2 8	7 3	
DIS. FRAGS				
MES. FRAGS	1	4	5	
PROX. FRAGS	8 0	1 8	9 8	
TOTAL 3	1 2 6	5 0	1 7 6	34·04
%	71·59	28·41		
BLADES	1 1	3	1 4	
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS	3 4	5	3 9	
TOTAL 4	4 5	9	5 4	10·44
%	83·33	16·67		
BLADELETS		1	1	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5		1	1	·19
%				
TOTAL 1-5	3 9 9	1 1 8	5 1 7	
%	77·18	22·82		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
1 1	1 6		2	2 1				1	5 1	
7	3			1 0	1			1	2 2	
1 8	1 9	2	2	3 1	1			2	7 3	14·69
24·66	26·03	2·74	2·74	42·47	1·37			2·74		
1 1	9	6		1 3		2		1	4 2	
4 7	4 0	1 2	4 5		9		4	1 5 7		
5 8	4 9	1 8	5 8		1 1		5	1 9 9	40·04	
29·15	24·62	9·05	29·15		5·53		2·51			
1 6	1 6	7	1 8		1 2	3	1	7 3		
3 0	3 1	3	2 5	2	7			9 8		
4 6	4 7	1 0	4 3	2	1 9	3	1	1 7 1	34·41	
26·9	27·49	5·85	25·15	1·17	11·11	1·75	·59			
5	5		2		1		1	1 4		
8	5	3	1 9		1	2	1	3 9		
1 3	1 0	3	2 1		2	2	2	5 3	10·66	
24·53	18·87	5·66	39·62		3·77	3·77	3·77			
					1			1		
1 3 5	1 2 5	3 3	1 5 3	3	3 3	5	1 0	4 9 7		
27·16	25·15	6·64	30·78	·66	6·64	1·01	2·01			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	2			2	
FLAKE BLADES					
BLADES					
BLADELETS					
TOTAL	2			2	
%	·39				

LEVEL XXI
SQ. E4 AND F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	2	2.67							
LEVALLOIS FLAKE	5	6.67	1		1	12.5			
LEVALLOIS BLADE	10	13.33	10		10	12.5	2	2.5	
LEVALLOIS POINT	15	20	13	1	14	17.5	1	1.25	
PYRAMIDAL	17	22.67	3	14	17	21.25	1	1.25	
PRISMATIC - 1 PLATFORM	9	12		9	9	11.25			
PRISMATIC - 2 PLATFORMS	9	12		22	22	27.5	4	5	
GLOBULAR	1	1.33							
SHAPELESS	7	9.33	3	4	7	8.75			
DEBRIS									
TOTAL	75		30	50	80		8	10	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
13	1	1	7	2	1		25		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL
4		4

PEBBLES

WHOLE	FRAG.	TOTAL
2		2

RED OCHRE

TOTAL
3

LEVEL XXI
SOS E4

LEVEL XXI
SOS E4

TYPES	DEBITAGE										TOOLS					BUTTS						MISCELLANEOUS														
	Whole	Frag.	LEV. POINT	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	Broken	TOTAL	Cortex	Crested	Blades	Sec. Patina	Therm. Fractures			
1 END - SCRAPER																	3 0 15-87		4	5			3	1				5	18	3	2			3		
2 ATYPICAL END - SCRAPER																	5 2-65		4				2				1	3	1							
3 END - SCRAPER																			4				1													
4 OGIVAL END - SCRAPER																	2 1-06		4				1													
5 END - SCRAPER ON A RET. FLAKE																	20 10-58		1	1		1	4	2			2	11	1				1			
6 END - SCRAPER ON AN AURIG. BLADE																			1	1																
7 MONT. CARINAT																			1																	
8 LAT. CARINAT																			1																	
9 A.TYP. CARINAT																			1																	
10 THICK NOSED END - SCRAPER																			1																	
11 SHOULDERED INVERSE SCRAPER																			1																	
12 INVERSE SCRAPER																			1																	
13 CHAM. PIECE OBLIQUE RET. TRUNC																			1																	
14 CHAM. PIECE ON LATERAL PREP.																			1																	
15 CHAM. PIECE CONCAVE RET. TRUNC																			1																	
16 COOBY RET. TRUNC																			1																	
17 MULTIPLE CHAM. PIECE																			2																	
18 END - SCRAPER BURIN																			2																	
19 END - SCRAPER TRUNCATED BLADE																			2																	
20 BURIN TRUNCATED BLADE																			2																	
21 PIERCER																																				
22 DIHEDRAL STRAIGHT BURIN																			2																	
23 DIHEDRAL BURIN ASYM.																			1																	
24 DIHEDRAL BURIN																			3																	
25 DIHEDRAL BURIN ON A BREAK																			9																	
26 MULTIPLE DIHEDRAL BURIN																			4																	
27 CARINATED BURIN																			2																	
28 FLAT FACED CARINAT. BURIN																			1																	

LEVEL XXI
SQ. E4

TYPES	DEBITAGE										TOOLS										BUTTS							MISCELLANEOUS										
	Whole	Frag	LEV. POINT	Whole	Frag	LEV. FLAKES	Whole	Frag	LEV. BLADES	Whole	Frag	BLADES	Whole	Frag	BLADELETS	Frag	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	Broken	TOTAL	Cortex	Crested	Blades	Sec. Patina	Therm					
29 BURIN ON A STRAIGHT RET. TRUNC	1			1													2	1.06	1	1																		
30 BURIN ON AN OBLIQUE RET. TRUNC	1	5	1	1	6	2	2	2	2	2	2						20	10.58	4	9					1				1					1				
31 BURIN ON A CONVEX RET. TRUNC		1		4		1	1	1	1	1	1						8	4.23	1										3									
32 BURIN ON A CONVEX ON RET. TRUNC		1	2		3		2	1									9	4.76	4				1	1					1									
33 MULTIPLE BURIN TRUNC																																						
34 MULTIPLE BURIN MIXED																		2	1.06																1			
35 BURIN ON A PREP.	3			1			3										7	3.7	2	2	1	2													1			
36 KSERIAKIL POINT																																						
37 BACKED PIECE																																						
38 PARTIALLY BACKED PIECE	5	1		2	1	3	1	1									14	7.41	3	5		3	2															
39 DOUBLE PART BACKED PIECE																	1	.53																				
40 STRAIGHT RET. TRUNC																	2	1.06	1																			
41 OBLIQUE RET. TRUNC				1	1	1											3	1.59																				
42 CONCAVE RET. TRUNC				1		2											3	1.59									2	2	1								1	
43 CONVEX RET. TRUNC																	2	1.06	1																			
44 DOUBLE TRUNCATION BURINACIAN																	1	.53																				
45 BURINACIAN POINT																																						
46 POINT A PLANE																																						
47 BLADE POINTED BY RET	4	1															6	3.17								1												
48 NOTCHED PIECE	3			3		2	3	2	1								14	7.41	3	6	2																	
49 POINTULATED PIECE	1			2		1	1										6	3.17	3	1																		
50 SPUNTERED PIECE				1	1	3											5	2.65																				
51 SIDE SCRAPER																	1	.53																				
52 TRUNCATED BLADELET																																						
53 BLADELET WITH INVERSE RET																																						
54 DIVERS				1	2																																	
TOTAL	17	2	2	11	11	11	11	11	11	11	11	11	11	11	11	11	189		26	50	4	20	2	6	1	15	124	15	4	2								
%	0.99	1.06	11.11	11.11	11.64	18.52	18.29	7.41	10.05	5.82									20.97	40.32	3.23	16.13	1.61	4.84	.81	12.09	7.94	2.12	1.06	4.23								

LEVEL x x 1
SQ E4

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

·DEBRITAGE·	LÉVALLOIS		NON - LÉVALLOIS		RETOUCH						BUTTS						MISCELLANEOUS											
	1	8	2	3	1	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM FACTURES		
POINTS												1	7.14															
FRAGS	1											1	7.14															
FLAKES																												
FRAGS	8			8								8	57.14	2	2							1	5					1
BLADES	2	2		3	1							4	28.57					3					3					
FRAGS	1			1								1	7.14			1							1					
BLADELETS																												
FRAGS	12	2		13	1							14		2	3			3				1					1	
TOTAL	85.71	14.29		92.82	7.14									2.2	2.2	3.3	3.3	3.3				1.1	1.1				7.14	
%																												

LEVEL XXI
SQ E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	14	4	18	
DIS. FRAGS	2		2	
MES. FRAGS	1		1	
PROX. FRAGS	12		12	
TOTAL 1	29	4	33	18.13
%	87.88	12.12		
FLAKES	5	5	10	
DIS. FRAGS				
MES. FRAGS	2	2	4	
PROX. FRAGS	53	8	61	
TOTAL 2	60	15	75	41.21
%	80	20		
FLAKE BLADES	15	9	24	
DIS. FRAGS				
MES. FRAGS	1	1	2	
PROX. FRAGS	18	6	24	
TOTAL 3	34	16	50	27.47
%	68	32		
BLADES	11	2	13	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS	11		11	
TOTAL 4	22	2	24	13.19
%	91.67	8.33		
BLADELETS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5				
%				
TOTAL 1-5	145	37	182	
%	79.67	20.33		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	%
2	10			5				1	18	
4	1			5	1			1	12	
6	11			10	1			2	30	17.34
20	36.67			33.33	3.33			6.67		
1	4	1		3				1	10	
14	28	1		14				4	61	
15	32	2		17				5	71	41.04
21.13	45.07	2.82		23.94				7.04		
6	9	1		3		2	2	1	24	
2	15			3	2	2			24	
8	24	1		6	2	4	2	1	48	27.75
16.67	50	2.08		12.5	4.16	8.33	4.16	2.08		
5	5			2				1	13	
3	2			5				1	11	
8	7			7				2	24	13.87
33.33	29.17			29.17				8.33		
37	74	3		40	3	4	2	10	173	
21.39	42.77	1.73		23.12	1.73	2.31	1.16	5.78		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES					
FLAKE BLADES					
BLADES					
BLADELETS					
TOTAL					
%					

LEVEL XXI
SQ. E4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE	1	5.88							
LEVALLOIS BLADE	1	5.88	1		1	5			
LEVALLOIS POINT	4	23.53	4		4	20			
PYRAMIDAL	4	23.53		4	4	20	1	5	
PRISMATIC - 1 PLATFORM	2	11.76		2	2	10			
PRISMATIC - 2 PLATFORMS	1	5.88		6	6	30	2	10	
GLOBULAR	1	5.88							
SHAPELESS	3	17.65		3	3	15			
DEBRIS									
TOTAL	17		5	15	20		3	15	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS. 1 PLAT.	PRIS. 2 PLAT.					
4		1	2				7		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

LEVEL XXI
SOS F4

DEBITAGE TOOLS BUTTS MISCELLANEOUS

TYPES	DEBITAGE										TOOLS					BUTTS					MISCELLANEOUS												
	Whole	Frag.	Whole	LEV. FLAKES	Frag.	Whole	LEV. BLADES	Frag.	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-	Linear	BROKEN	TOTAL	Cortex	CRESTED	BLADES	SEC. PATINA	FRACTURES		
1 END - SCRAPER	3		13	18	6	1	10	5							56	17.39	10	5	3	10	1	2			1	32	22				1		
2 ATYPICAL END - SCRAPER	1		5	5	2	2	2	2							15	4.66	2	2	2	2	2					8	5						
3 DOUBLE END - SCRAPER				3											3	.93																	
4 OGIVAL END - SCRAPER	1		5	9	1	3	4	4							19	5.9	5	5	4	4	4	1	1	1	10	8			1				
5 END - SCRAPER			14	9	4	4	4	4							31	9.63	1	4	1	9	1	1	1	1	18	19	1	2					
6 END - SCRAPER ON AN AURIG. BLADE																																	
7 FRONT - SCRAPER																																	
8 LAT. CARINAT. END - SCRAPER																																	
9 A.TYP. CARINAT. END - SCRAPER																																	
10 END - SCRAPER			1	2											3	.93					1					1	2						
11 SHOULDERED END - SCRAPER	2		6	5	1	1	1	1							16	4.97	5	2	3	3	3	1	1	11	7	11	7			2			
12 INVERSE END - SCRAPER																																	
13 CHAM. PIECE OBLIQUE RET. TRUNC					2										2	.62	1	1								2							
14 CHAM. PIECE PREP. ON LATERAL																																	
15 ON LATERAL CONCAVE RET. TRUNC																																	
16 CHAM. PIECE CONVEX RET. TRUNC																																	
17 MULTIPLE CHAM. PIECE																																	
18 END - SCRAPER BURIN									8						10	3.11																	
19 END - SCRAPER BURIN									1						1	.31																	
20 BURIN TRUNCATED BLADE									1						1	.31																	
21 PIERCER															1	.31																	
22 DIHEDRAL STRAIGHT BURIN			1	2	1	1	1	1							5	1.55				2						3							
23 DIHEDRAL BURIN					3	2	2	2							6	1.86	1	1	1	2						5	1						
24 DIHEDRAL BURIN			1	1	1	1	1	1							3	.93				1						2							
25 DIHEDRAL ANGLE BURIN ON A BREAK			2	3	1	1	1	1							8	2.48	1	3	3	3						7	1						
26 MULTIPLE DIHEDRAL BURIN																																	
27 CARINATED BURIN - FACED																																	
28 CARINATED BURIN																																	

LEVEL XXI
SQ. F4

TYPES	DEBITAGE				TOOLS				BUTTS							MISCELLANEOUS																
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Bladelets	Frag	TOTAL %	Convex	Faceted	Straight	Dihedral	Plain	Natural	Punctiform	Linear	Broken	TOTAL	Correct	Crested	Blades	Sec. Patina	Therm		
29 BURIN ON A RET. TRUNC																																
30 BURIN ON AN OBlique RET. TRUNC	1	3	1	4	3	4	3	1	3	1					20	6.21	3	5	5	1						14	2				1	
31 BURIN ON A TRUNC			1	2	3	2									8	2.48		4		1						5	3					
32 CONCAVE RET. TRUNC			1	1	1										7	2.17	2	2		1						5						
33 MULTIPLE BURIN TRUNC																																
34 MULTIPLE BURIN MIXED															3	.93																
35 BURIN ON A LATERAL PREP.	1			2											3	.93	2	1							3	1						
36 POINTAKIL																																
37 BACKED PIECE	3																															
38 PARTIALLY BACKED PIECE	2	1	1	6	2	12	4								5	1.55		2		2					4							
39 DOUBLE PART BACKED PIECE															2.8	8.69	8	7	7	2					2.4	1					1	
40 STRAIGHT RET. TRUNCATION																																
41 RET. TRUNCATION	3			2	5	8	2								4	1.24	2	1		1					4							
42 CONCAVE RET. TRUNCATION															2.2	6.83	4	4	5						1	1.4	3					
43 CONVEX RET. TRUNCATION															1	.31									1							
44 DOUBLE TRUNCATION															3	.93	2		1						3							
45 AURIGNACIAN BLADE & FACE PLANE																																
46 BLADE POINTED BY RET	3	4													1	.31									1							
47 BLADE POINTED BY RET PIECE	1	3	1	2	7	1	1								1.7	5.28	7	3	1	2					1.4	1						
48 NOTCHED BY RET PIECE															7	2.17	3								4							
49 DENTICULATED PIECE																																
50 SPUNTERED PIECE																																
51 SIDE SCRAPER																																
52 TRUNCATED BLADELET																																
53 BLADELET WITH INVERSE RET																																
54 DIVERS																																
TOTAL	13	9	19	2	6	8	9	5	3	6	6	4	8	2	3.22		57	5	5	6	6	3	6	11	4	20	8	5	1	4	5	
%	4	0	4	2	7	5	9	6	2	1	2	2	9	1	1	.62	28	22	27	23	2	9	31	19	2	97	5	4	1	24	1	55

LEVEL XXI
SQ F4 · SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

TECHNOLOGY

RETOUCH

BUTTS

MISCELLANEOUS

DEBITAGE	LEVALLOIS		RETOUCH						BUTTS				MISCELLANEOUS							
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	1 edge	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES
POINTS	2		1			1				1							2			
FRAGS	3		3							1							1			
FLAKES	2	4	3			3				2	2	2					6	1		
FRAGS	2	4	5	1						2		2					4			
BLADES	1	5	4	1			1			4	1	2					7	1		
FRAGS	1	5	3	2		1				1	2	2					5	1		
BLADELETS																				
FRAGS																				
TOTAL	11	18	19	4		5	1			11	5	1	8				25	3		
%	37-93	62-07	65-52	13-79		17-24	3-45			4-4	2-0	4	3-2					10-34		

LEVEL XXI
SQ F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	3 3		3 3	
DIS. FRAGS		3	3	
MES. FRAGS				
PROX. FRAGS	1 0		1 0	
TOTAL 1	4 3	3	4 6	13.73
%	93.48	6.52		
FLAKES	2 5	7	3 2	
DIS. FRAGS				
MES. FRAGS		4	4	
PROX. FRAGS	7 1	2 5	9 6	
TOTAL 2	9 6	3 6	1 3 2	39.4
%	72.73	27.27		
FLAKE BLADES	3 0	1 9	4 9	
DIS. FRAGS				
MES. FRAGS		3	3	
PROX. FRAGS	6 2	1 2	7 4	
TOTAL 3	9 2	3 4	1 2 6	37.61
%	73.02	26.98		
BLADES		1	1	
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS	2 3	5	2 8	
TOTAL 4	2 3	7	3 0	8.96
%	76.67	23.33		
BLADELETS		1	1	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5		1	1	.29
%				
TOTAL 1-5	2 5 4	8 1	3 3 5	
%	75.82	24.18		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
9		6	2	1 6					3 3	
3		2		5					1 0	
1 2		8	2	2 1					4 3	13.27
27.91		18.6	4.65	48.84						
1 0		5	5	1 0		2			3 2	
3 3	1 2	1 1	3 1			9			9 6	
4 3	1 7	1 6	4 1			1 1			1 2 8	39.51
33.59	13.28	12.5	32.03			8.59				
1 0	7	6	1 5			1 0	1		4 9	
2 8	1 6	3	2 2			5			7 4	
3 8	2 3	9	3 7			1 5	1		1 2 3	37.96
30.89	18.69	7.32	30.08			12.19	.81			
						1			1	
5	3	3	1 4			1	2		2 8	
5	3	3	1 4			2	2		2 9	8.95
17.24	10.34	10.34	48.28			6.89	6.89			
						1			1	
						1			1	.31
9 8	5 1	3 0	1 1 3			2 9	3		3 2 4	
30.25	15.74	9.26	34.88			8.95	.93			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	2			2	
FLAKE BLADES					
BLADES					
BLADELETS					
TOTAL	2			2	
%	.59				

LEVEL XXI
SQ. F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	2	3.45							
LEVALLOIS FLAKE	4	6.89	1		1	1.67			
LEVALLOIS BLADE	9	15.52	9		9	15	2	3.33	
LEVALLOIS POINT	11	18.96	9	1	10	16.67	1	1.67	
PYRAMIDAL	13	22.41	3	10	13	21.67			
PRISMATIC - 1 PLATFORM	7	12.07		7	7	11.67			
PRISMATIC - 2 PLATFORMS	8	13.79		16	16	26.67	2	3.33	
GLOBULAR									
SHAPELESS	4	6.89	3	1	4	6.67			
DEBRIS									
TOTAL	58		25	35	60		5	8.33	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS. 1 PLAT.	PRIS. 2 PLAT.					
9	1		5	2	1		18		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL
4		4

PEBBLES

WHOLE	FRAG.	TOTAL
2		2

RED OCHRE

TOTAL
3

LEVEL XX
SO. E4 AND F4

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		Frag		TOTAL		%							
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Convex	Faceted	Straight					
29 BURIN ON A STRAIGHT RET. TRUNC			2				1	2	1	2			1	1	5	.55								
30 BURIN ON AN OBLIQUE RET. TRUNC	1		5	3	4		2	2	2	2			6	2	17	1.87								
31 BURIN ON A CONCAVE RET. TRUNC			2	3	1		2	2	2	2			1	1	10	1.09								
32 BURIN ON A CONVEX RET. TRUNC	1				1		1		1				2	2	4	.44								
33 MULTIPLE BURIN TRUNC			2		5		1	1	1	1			2	1	9	.99								
34 MULTIPLE BURIN MIXED					1		2		2						3	.33								
35 BURIN ON A LATERAL PREP.	2				1		2		2				2	2	5	.55								
36 KSAR'AKIL POINT																								
37 BACKED PIECE	7	1			1	3	4	4	4	4			4	6	20	2.19								
38 BACKED PIECE	3	2	2	4	6	18	16	9	18	18			4	6	129	14.29								
39 DOUBLE PART BACKED PIECE	7	5		1	1	3	6	1	3	3			10	8	27	2.98								
40 STRAIGHT RET TRUNCATION			1	6	4	3	7	2	2	2			1	8	23	2.54								
41 OBLIQUE RET TRUNCATION	1	4	4	4	6	1	5	3	3	3			4	10	28	3.09								
42 CONCAVE TRUNCATION		3	4	2				1	1	1			1	3	10	1.1								
43 CONVEX TRUNCATION			2	1	3		3		3				2	2	9	.99								
44 DOUBLE TRUNCATION			1					1	1						2	.22								
45 AURIGNACIAN BLADE																								
46 POINT A & FACE								1	1	1					2	.22								
47 POINT BY RET NOTCHED PIECE	4	1					5	10	10	10			2	2	20	2.19								
48 NOTCHED PIECE			2	2	4	5	6	1	5	4			6	9	29	3.18								
49 DENTICULATED PIECE			1	3	1	1	1	1	1	1			2	1	7	.77								
50 SPLINTERED PIECE			3	1	3	8	1	1	2	2			1	2	19	2.09								
51 SIDE SCRAPER					2	2							2	2	4	.44								
52 UNIDIRECTIONAL BLADELET																								
53 BLADELET WITH INVERSE RET																								
54 DIVERS			1		2	1	1	1	1	1			2	2	6	.66								
TOTAL	55	31	86	31	160	189	100	40	121	98	1		157	166	21	133	7	64	8	40	596			
%	6.04	3.39	9.43	3.39	17.54	20.72	10.96	4.39	13.27	10.75	.11		26.34	27.85	3.52	22.32	1.17	10.74	1.34	6.71	16.78	3.83	.66	.42

LEVEL XX
SQ E4 AND F4

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBITAGE	LEVALLOIS		RETOUCH						MISCELLANEOUS		BUTTS		MISCELLANEOUS		MISCELLANEOUS										
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES		
POINTS	1		1						1	4.35					1					1					
FRAGS																									
FLAKES	1	2	2	1					3	13.04	1	1					1			3	1				
FRAGS	3	6	8	1					9	39.13	3	1			2					6					
BLADES	3	3	4	1	1				6	26.09	2	3					1			6					
FRAGS	1	2	3						3	13.04															
BLADELETS			1						1	4.35							1			1					
FRAGS																									
TOTAL	9	14	19	3	1				23		6	5			3		3			17	1				
%	39.13	60.87	82.61	13.04	4.35						35.29	29.41			17.65		17.65					4.35			

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	5 4	7 5	12 9	
DIS. FRAGS	1 5	9	2 4	
MES. FRAGS	1		1	
PROX. FRAGS	1 2		1 2	
TOTAL 1	8 2	8 4	16 6	13·69
%	66·78	33·22		
FLAKES	3 0	2 4	5 4	
DIS. FRAGS		3	3	
MES. FRAGS	5	2 1	2 6	
PROX. FRAGS	1 5 6	1 0 1	2 5 7	
TOTAL 2	1 9 1	1 4 9	3 4 0	28·03
%	56·18	43·82		
FLAKE BLADES	7 0	8 7	1 5 7	
DIS. FRAGS		4	4	
MES. FRAGS		2 1	2 1	
PROX. FRAGS	1 4 9	8 9	2 3 8	
TOTAL 3	2 1 9	2 0 1	4 2 0	34·62
%	52·14	47·86		
BLADES	1 0 1	6 1	1 6 2	
DIS. FRAGS				
MES. FRAGS		1 1	1 1	
PROX. FRAGS	1 4	8 9	1 0 3	
TOTAL 4	1 1 5	1 6 1	2 7 6	22·75
%	41·67	58·33		
BLADELETS		5	5	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS		6	6	
TOTAL 5		1 1	1 1	·91
%				
TOTAL 1-5	6 0 7	6 0 6	12 1 3	
%	50·04	49·96		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
3 7		3 1	1 3	3 9				9	12 9	
3	4			4	1				12	
4 0	3 5	1 3	4 3	1				9	1 4 1	12·53
28·37	24·82	9·22	30·49	·71				6·38		
1 2	4	7	1 7	2	7	2	3	5 4		
7 1	4 0	1 9	6 6	1	3 6	1 8	6	2 5 7		
8 3	4 4	2 6	8 3	3	4 3	2 0	9	3 1 1	27·64	
26 69	14·15	8·36	26 69	·96	13·83	6·43	2·89			
2 4	3 0	9	3 4	5	4 4	5	6	1 5 7		
7 4	3 8	1 5	5 1		3 4	2 0	6	2 3 8		
9 8	6 8	2 4	8 5	5	7 8	2 5	1 2	3 9 5	35·11	
24·81	17·22	6 08	21·52	1·27	19·75	6·33	3·04			
5 3	3 1	8	3 7	3	2 5	2	3	1 6 2		
3 4	2 5	3	2 4		1 2	3	2	1 0 3		
8 7	5 6	1 1	6 1	3	3 7	5	5	2 6 5	23·56	
32 83	21·13	4·15	23·02	1·13	13·96	1·89	1·89			
1	1				3			5		
2	1		1	1	1	2		8		
3	2		1	1	4	2		1 3	1·16	
23·08	15·38		7·69	7·69	30·77	15·38				
3 1 1	2 0 5	7 4	2 7 3	1 3	1 6 2	5 2	3 5	1 1 2 5		
27·64	18·22	6·58	24·27	1·16	14·4	4·62	3·11			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS		1	4	5	
FLAKES	4		8	12	
FLAKE BLADES	1 4		2	1 6	
BLADES	1 1		2	1 3	
BLADELETS					
TOTAL	2 9	1	1 6	4 6	
%	2·39	·08	1·32		

LEVEL XX
SQ. E4 AND F4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3	1.56							
LEVALLOIS FLAKE									
LEVALLOIS BLADE	28	14.58	34	6	40	19.51	3	1.46	1
LEVALLOIS POINT	38	19.79	36	1	37	18.05	4	2.5	2
PYRAMIDAL	33	17.19	13	20	33	16.09	4	2.5	1
PRISMATIC - 1 PLATFORM	25	13.02		25	25	12.19	3	1.46	
PRISMATIC - 2 PLATFORMS	30	15.63		60	60	29.27	2	.98	
GLOBULAR	8	4.17							
SHAPELESS	11	5.73	5	5	10	4.88			
DEBRIS	16	8.33							
TOTAL	192		88	117	205		16	7.8	4

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
54	13	6	31	11		2	117	1	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
		2					2

HAMMERSTONES

WHOLE	FRAG.	TOTAL
6		6

PEBBLES

WHOLE	FRAG.	TOTAL
9	4	13

RED OCHRE

TOTAL
1

LEVEL XX
SO. E4

TYPES	DEBITAGE										TOOLS					BUTTS						MISCELLANEOUS														
	Whole	Flag	LEV. FLAKES	Whole	Flag	FLAKES	Whole	Flag	LEV. BLADES	Whole	Flag	BLADES	Whole	Flag	BLADELETS	Flag	TOTAL	%	CONVEX	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED BLADES	SEC. PATINA	FRACTURES				
29 BURIN ON A STRAIGHT RET. TRUNC				1	1						1						3	.89					1						1							
30 BURIN ON AN OBLIQUE RET. TRUNC				1	1						2						6	1.78		1	1						1	3	2							
31 BURIN ON A CONCAVE RET. TRUNC																	2	.59			1															
32 BURIN ON A CONVEX RET. TRUNC				1													2	.59			1															
33 TRIPLE BURIN																	2	.59			1															
34 MULTIPLE BURIN																	2	.59																		
35 BURIN ON A LATERAL PREP.																																				
36 KSAR AKIL POINT																																				
37 BACKED PIECE																	2	.59																		
38 BACKED LILLY PIECE	7	3									7	8	3	8			3.6	10.68	15	10			2		2	1	1	31					1			
39 DOUBLE PART BACKED PIECE																	10	2.97	3	2								7								
40 STRAIGHT RET TRUNCATION				1	1						1	3	2				7	2.08	1	2		3						6								
41 OBLIQUE RET TRUNCATION				2	1						1	1	1	2			7	2.08		3								3								
42 CONCAVE TRUNCATION				2	2												6	1.78	1	2		1						4								
43 CONVEX TRUNCATION																	3	.89	1	2								2								
44 DOUBLE TRUNCATION																	2	.59										2								
45 AURIGNACIAN BLADE																																				
46 POINT A FACE PLANE																	1	.29										1								
47 POINTED BY RET	1	1															4	1.19				1						1								
48 NOTCHED PIECE																	10	2.97	3	2		1						6	1							
49 DENTICULATED PIECE				1	2						1	1	1	1			5	1.48	2	1		1						4								
50 SPLINTERED PIECE				2	1						1	1	1	1			10	2.97	1	1		1						3	5	1						
51 SIDE SCRAPER																	2	.59										2								
52 SCRAPER BLADELET																																				
53 BLADELET WITH INVERSE RET																																				
54 DIVERS				1	2												4	1.19				2						2								
TOTAL	9	8	4	4	19	50	68	45	19	36	39					337			51	64	5	34	1	12	6	32	206	42	10	6	19					
%	2.67	2.37	13.06	5.64	14.84	20.18	13.35	5.64	10.68	11.57									24.763	1.07	2.43	16.5	.49	6.31	2.91	15.53	12.46	2.97	1.78	5.64						

LEVEL XX
SQ E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	3 7	9	4 6	
DIS. FRAGS	1	3	4	
MES. FRAGS	1		1	
PROX. FRAGS	1 2		1 2	
TOTAL 1	5 1	1 2	6 3	16.58
%	80.95	19.05		
FLAKES	6	7	1 3	
DIS. FRAGS				
MES. FRAGS	5	7	1 2	
PROX. FRAGS	6 6	2 8	9 4	
TOTAL 2	7 7	4 2	1 1 9	31.32
%	64.71	35.29		
FLAKE BLADES	3 3	2 7	6 0	
DIS. FRAGS				
MES. FRAGS		2	2	
PROX. FRAGS	4 9	2 2	7 1	
TOTAL 3	8 2	5 1	1 3 3	3.5
%	61.65	38.35		
BLADES	2 0	1 8	3 8	
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS	1 4	7	2 1	
TOTAL 4	3 4	2 6	6 0	15.79
%	56.67	43.33		
BLADELETS		3	3	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS		2	2	
TOTAL 5		5	5	1.32
%				
TOTAL 1-5	2 4 4	1 3 6	3 8 0	
%	64.21	35.79		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
1 8	1 3	3	3					9	4 6	
3	4			4	1				1 2	
2 1	1 7	3	7	1				9	5 8	16.11
36.21	29.31	5.17	12.07	1.72				15.52		
4	3			1	1	1		3	1 3	
3 5	2 6	3	1 7		3	4	6	9 4		
3 9	2 9	3	1 8	1	4	4	9	1 0 7	29.72	
36.45	27.1	2.8	16.82	.93	3.74	3.74	8.41			
8	1 9	5	1 0	3	8	1	6	6 0		
2 7	2 2	1	6		5	4	6	7 1		
3 5	4 1	6	1 6	3	1 3	5	1 2	1 3 1	36.39	
26.72	31.29	4.58	12.21	2.29	9.92	3.82	9.16			
1 6	9	2	1	1	6		3	3 8		
7	6		1		5		2	2 1		
2 3	1 5	2	2	1	1 1		5	5 9	16.39	
38.98	25.42	3.39	3.39	1.69	18.64		8.47			
1					2			3		
						2	2	2		
1					2	2		5	1 3 9	
2 0					4 0	4 0				
1 1 9	1 0 2	1 4	4 3	6	3 0	1 1	3 5	3 6 0		
33.06	28.33	3.89	11.94	1.67	8.33	3.06	9.72			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS		1	3	4	
FLAKES	4		8	1 2	
FLAKE BLADES	1 0		2	1 2	
BLADES	5		2	7	
BLADELETS					
TOTAL	1 9	1	1 5	3 5	
%	5	.26	3.95		

LEVEL XX
SQ. E4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3	3.41							
LEVALLOIS FLAKE									
LEVALLOIS BLADE	11	12.5	14	1	15	17.86			
LEVALLOIS POINT	9	10.23	7	1	8	9.52	1	1.19	
PYRAMIDAL	10	11.36	5	5	10	11.9			1
PRISMATIC - 1 PLATFORM	18	20.45		18	18	21.42	3	3.57	
PRISMATIC - 2 PLATFORMS	13	14.77		26	26	30.95	2	2.38	
GLOBULAR	7	7.95							
SHAPELESS	8	9.09	4	3	7	8.33			
DEBRIS	9	10.23							
TOTAL	88		30	54	84		6	7.14	1

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
16	4	3	8	2		1	34		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL
2		2

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL
1

LEVEL XX
SO. F4

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPES

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		Frag		TOTAL %	CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	FRACTURES						
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag																						
29 BURIN ON A STRAIGHT RET. TRUNC					2				1	2					5		1	1		1				3	2											
30 BURIN ON AN OBLIQUE RET. TRUNC	1		4	2	4	2	4	2	2	1					14		6	2		2			1	11	1	1										
31 BURIN ON A CONCAVE RET. TRUNC			2	2											4				2					2												
32 BURIN ON A TRUNC							1		1						2					1		1		2												
33 MULTIPLE BURIN TRUNC		2			4		1		1						7		2			2				4												
34 MULTIPLE BURIN MIXED					1				2						1									4												
35 BURIN ON A LATERAL PREP.	2				1				2						5		2			2				4	1											
36 BURIN ON A PARTIAL																																				
37 BACKED PIECE	7	1					1	3	4	2					18		4	6		4		2		16												
38 PARTIALLY BACKED PIECE	2	5	2	1	6	1	8	6	10						93		31	24		5		9		74	1											
39 DOUBLE PART BACKED PIECE	7	1			1		2	5	1						17		7	6		1		1		16												
40 STRAIGHT TRUNCATION					6	3		5	2						16		6			4		1		11	1											
41 RET. TRUNCATION	1	2	3	4			5		5	1					21		4	7		3		2		17	2											
42 CONCAVE RET. TRUNCATION					2					1					4					1		1		3	1											
43 CONVEX RET. TRUNCATION					2			3	1						6		1	2		1		1	2	7	1											
44 DOUBLE TRUNCATION																																				
45 BURIN ON A FACE																																				
46 POINT & FACE PLANE															1																					
47 BLADE POINTED BY RET	3																																			
48 NOTCHED PIECE			1	1	4	2	2	1	4	4					19		3	7		3		2		15	2											
49 DENTICLATED PIECE					1										2					1				1												
50 POINTED SIDE			1		2	5				1					9				1				1	3												
51 BURIN ON A SIDE															2																					
52 TRUNCATED BLADE																																				
53 BLADE WITH AVERSE RET																																				
54 DIV. RS																																				
TOTAL	4	6	23	4	12	11	10	12	5	5	1	8	5	9	57		10	6	10	2	16	9	9	6	5	1	2	8	3	90						
%	8	4	7	3	2	0	7	19	13	21	0	4	9	5	7		27	18	26	15	4	1	25	38	1	5	13	0	8	5	1	2	0	5		

LEVEL XX
SQ F4

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

· DEBITAGE ·	LEVALLOIS		RETOUCH						BUTTS		MISCELLANEOUS													
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS	1		1						1	6.67					1					1				
FRAGS																								
FLAKES	1	2	2	1					3	20	1	1					1			3		1		
FRAGS		3	3						3	20	1	1			1					3				
BLADES	2	3	3	1	1				5	33.33	2	2					1			5				
FRAGS		2	2						2	13.33														
BLADELETS		1	1						1	6.67							1			1				
FRAGS																								
TOTAL	4	11	12	2	1				15		4	4			2		3			13		1		
%	26.67	73.33	80	13.33	6.67						30.77	30.77			15.38		23.08				6.67			

LEVEL XX
SQ F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	17	66	83	
DIS. FRAGS	14	6	20	
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	31	72	103	12.36
%	30.09	69.9		
FLAKES	24	17	41	
DIS. FRAGS		3	3	
MES. FRAGS		14	14	
PROX. FRAGS	90	73	163	
TOTAL 2	114	107	221	26.53
%	51.58	48.42		
FLAKE BLADES	37	60	97	
DIS. FRAGS		4	4	
MES. FRAGS		19	19	
PROX. FRAGS	100	67	167	
TOTAL 3	137	150	287	34.45
%	47.74	52.26		
BLADES	81	43	124	
DIS. FRAGS				
MES. FRAGS		10	10	
PROX. FRAGS		82	82	
TOTAL 4	81	135	216	25.93
%	37.5	62.5		
BLADELETS		2	2	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS		4	4	
TOTAL 5		6	6	.72
%				
TOTAL 1-5	363	470	833	
%	43.58	56.42		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
19	18		10	36					83	
19	18		10	36					83	10.85
22.89	21.69		12.05	43.37						
8	1		7	16	1	16	2		41	
36	14		16	49	1	33	14		163	
44	15		23	65	2	39	16		204	26.67
21.57	7.35		11.27	31.86	.98	19.12	7.84			
16	11		4	24	2	36	4		97	
47	16		14	45		29	16		167	
63	27		18	69	2	65	20		264	34.51
23.86	10.23		6.82	26.14	.76	24.62	7.58			
37	22		6	36	2	19	2		124	
27	19		3	23		7	3		82	
64	41		9	59	2	26	5		206	26.93
31.07	19.9		4.37	28.64	.97	12.62	2.43			
			1			1			2	
2	1			1	1	1			6	
2	2			1	1	2			8	1.05
25	25			12.5	12.5	25				
192	103		60	230	7	132	41		765	
25.09	13.46		7.84	30.04	.92	17.25	5.36			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS			1	1	
FLAKES					
FLAKE BLADES	4			4	
BLADES	6			6	
BLADELETS					
TOTAL	10		1	11	
%	1.2		.12		

LEVEL XX
SQ. F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE	17	16.35	20	5	25	20.66	3	2.48	1
LEVALLOIS POINT	29	27.88	29		29	23.97	3	2.48	2
PYRAMIDAL	23	22.12	8	15	23	19.01	4	3.31	
PRISMATIC - 1 PLATFORM	7	6.73		7	7	5.79			
PRISMATIC - 2 PLATFORMS	17	16.35		34	34	28.09			
GLOBULAR	1	.96							
SHAPELESS	3	2.88	1	2	3	2.48			
DEBRIS	7	6.73							
TOTAL	104		58	63	121		10	8.26	3

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM.C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
38	9	3	23	9		1	83	1	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
		2					2

HAMMERSTONES

WHOLE	FRAG.	TOTAL
4		4

PEBBLES

WHOLE	FRAG.	TOTAL
9	4	13

RED OCHRE

TOTAL

LEVEL XIX
SOS E4 AND F4

TOOLS

DEBITAGE BUTTS MISCELLANEOUS

TYPES	DEBITAGE										BUTTS					MISCELLANEOUS															
	Whole	Frag.	LEV FLAKES	Frag.	Whole	FLAKES	Frag.	Whole	LEV. BLADES	Frag.	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	TOTAL	%	CONVEX FACETED	DIHEDRAL	PLAIN	NATURAL	PUNCTURE FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED BLADES	SEC. PATINA	FRACURES THEM.	
1 END - SCRAPER			9	5	4	4	5	9	2	3	3	0					197	34.08	1	1	2	3	4	1	3	14	3	10	2	12	
2 ATYPICAL SCRAPER			4		2	3	17	2		15	8						69	11.94	9	5	1	14			8	1	6	4	1	6	
3 DOUBLE SCRAPER						3					2						5	.87										3			
4 OGIVAL SCRAPER			1		3	5	1				1						11	1.9	1	1	1	3			1		6	2			
5 END - SCRAPER ON A RET. FLAKE			1		6	7					4	1					19	3.28	1	1	1	7	1		1	10	3				
6 END - SCRAPER ON A RET. FLAKE																															
7 FRONT CARINAT. END - SCRAPER																															
8 LAT. CARINAT. END - SCRAPER																															
9 A TYP. CARINAT. END - SCRAPER																															
10 THICK NOSED END SCRAPER					1	2											3	.52				1			1		1	1			1
11 END - SCRAPER			2		7	2		1	2	3							17	2.94	1	2	5	1			9	1					1
12 INVERSE SCRAPER																															
13 CHAM. PIECE OBLIQUE RET. TRUNC ON LATERAL PREP.																															
14 CHAM. PIECE ON LATERAL PREP.																															
15 CHAM. PIECE CONCAVE RET. TRUNC																															
16 CHAM. PIECE CONVEX RET. TRUNC																															
17 MULTIPLE CHAM. PIECE																															
18 END - SCRAPER BURIN			1		3												4	.69											1		
19 END - SCRAPER TRUNCATED BLADE						3											4	.69										1			
20 BURIN TRUNCATED BLADE																	1	.17													
21 PIERCER																	1	.17													
22 DIHEDRAL STRAIGHT BURIN																	1	.17													
23 DIHEDRAL ASYM. BURIN																															
24 DIHEDRAL BURIN					1	1											3	.52													
25 DIHEDRAL BURIN ON A BREAK			1		1	1											5	.87	1						1		3				
26 MULTIPLE DIHEDRAL BURIN																	2	.35													
27 CARINATED BURIN																															
28 FLAT FACED CARINAT. BURIN																															

SEMI-ABRUPT DISCONTINUOUS RETOUCH

LEVEL XIX
SQ E4 AND F4

TECHNOLOGY

RETOUCH

BUTTS

MISCELLANEOUS

DEBITAGE	LEVALLOIS		RETOUCH						BUTTS				MISCELLANEOUS											
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM FACTURES	
POINTS	2	1	2			1			3	11.54	1	1	1		1					3				
FRAGS																								
FLAKES	1	2	2			1			3	11.54				1	1		1			3				
FRAGS	2	5	6			1			7	26.92				3						1				
BLADES	1	6	7						7	26.92				3	1		2	1		7				
FRAGS	1	4	5						5	19.23							3			3				
BLADELETS		1							1	3.85										1				
FRAGS																								
TOTAL	7	19	22	1	2	1	2	1	26		2	9	3		3		6	1	1	22				
%	26.92	73.08	84.62	3.85	7.69	3.85	7.69	3.85			9.09	40.91			13.64		27.27	4.55	4.55					

LEVEL XIX
SQ E4 AND F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	3 5	1	3 6	
DIS. FRAGS	1	6	7	
MES. FRAGS		7	7	
PROX. FRAGS	7		7	
TOTAL 1	4 3	1 4	5 7	6·89
%	77·89	22·11		
FLAKES	1 3	2 1	3 4	
DIS. FRAGS		8	8	
MES. FRAGS		2 4	2 4	
PROX. FRAGS	9 8	1 3 6	2 3 4	
TOTAL 2	1 1 1	1 8 9	3 0 0	36·28
%	37	63		
FLAKE BLADES	2 4	6 3	8 7	
DIS. FRAGS	1	1 2	1 3	
MES. FRAGS	1	1 4	1 5	
PROX. FRAGS	6 0	1 0 7	1 6 7	
TOTAL 3	8 6	1 9 6	2 8 2	34·09
%	30·49	69·51		
BLADES	1 4	2 4	3 8	
DIS. FRAGS		7	7	
MES. FRAGS		1 1	1 1	
PROX. FRAGS	4 2	6 3	1 0 5	
TOTAL 4	5 6	1 0 5	1 6 1	19·47
%	34·78	65·22		
BLADELETS		1 1	1 1	
DIS. FRAGS				
MES. FRAGS		4	4	
PROX. FRAGS		1 2	1 2	
TOTAL 5		2 7	2 7	3·26
%				
TOTAL 1-5	2 9 6	5 3 1	8 2 7	
%	35·79	64·21		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
1 3		7	3	1 3					3 6	
1				6					7	
1 4	7		3	1 9					4 3	5·91
32·56	16·28		6·98	44·19						
3	4		1	1 9		5	1	1	3 4	
4 2	3 4	1 9	7 5	2	4 4	1 2	3	2 3 1		
4 5	3 8	2 0	9 4	2	4 9	1 3	4	2 6 5	36·4	
16·98	14·34	7·55	35·47	·76	18·49	4·91	1 51			
8	9	4	2 7	3	2 3	8	5	8 7		
2 5	1 8	9	4 2	1	6 4	4	4	1 6 7		
3 3	2 7	1 3	6 9	4	8 7	1 2	9	2 5 4	34·39	
12·99	10·63	5·12	27·17	1·57	34·25	4 72	3·54			
8	2		4		2 1	1	2	3 8		
1 2	1 1	2	2 4		3 2	2 4		1 0 7		
2 0	1 3	2	2 8		5 3	2 5	2	1 4 3	19·64	
13·98	9·09	1·39	19·57		37·06	17·48	1·39			
1					9	1		1 1		
1					9		2	1 2		
2					1 8	1	2	2 3	3·16	
8·69					78·26	4·35	8·69			
1 1 4	8 5	3 8	2 1 0	6	2 0 7	5 1	1 7	7 2 8		
15·66	11·68	5·22	28·85	·82	28·43	7·05	2·34			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS		1	1	2	
FLAKES	2		5	7	
FLAKE BLADES	1 1		1	1 2	
BLADES	1			1	
BLADELETS					
TOTAL	1 4	1	7	2 2	
%	1 69	·12	·85		

LEVEL XIX
SQ. E4 AND F4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3	1.82							
LEVALLOIS FLAKE	1	.61		1	1	.63	1	.63	
LEVALLOIS BLADE	24	14.55	27	10	37	23.13	9	5.63	1
LEVALLOIS POINT	10	6.06	10		10	6.25	1	.63	
PYRAMIDAL	25	15.15	3	23	26	16.25	7	4.38	
PRISMATIC - 1 PLATFORM	21	12.73		22	22	13.75	5	3.13	
PRISMATIC - 2 PLATFORMS	27	16.36		54	54	33.75	6	3.75	
GLOBULAR	6	3.64					1	.63	
SHAPELESS	15	9.09	6	4	10	6.25			
DEBRIS	33	20							
TOTAL	165		46	114	160		30	18.75	1

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
28	9	4	15	23		1	80	1	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

PEBBLES

RED OCHRE

WHOLE	FRAG.	TOTAL
	1	1

WHOLE	FRAG.	TOTAL
4	2	6

TOTAL

LEVEL XIX
SOS E 4

DEBITAGE TOOLS BUTTS MISCELLANEOUS

TYPES	DEBITAGE										TOOLS					BUTTS							MISCELLANEOUS															
	Whole	LEV. POINT	Whole	LEV. FLAKES	Whole	FLAKES	Whole	LEV. BLADES	Whole	BLADES	Whole	BLADES	Whole	BLADETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	Broken	TOTAL	Context	Crested	Blades	Sec. Patina	Therm. Fractures						
1 END - SCRAPER			2	4	4	12	2	4	3	1	3	1				3	1	25	3	2	1	4				2	12	1	1			6						
2 ATYPICAL END - SCRAPER			1		3	5	2									15	12.09	1	2	1	1				1	4	9	2	2			1						
3 DOUBLE SCRAPER																																						
4 DOUBLE SCRAPER			1			2										3	2.42	1									1											
5 END - SCRAPER ON A RET. FLAKE				1		2		1							4	3.23					1						1											
6 END - SCRAPER ON AN AURIG. BLADE																																						
7 FRONT. CARINAT END - SCRAPER																																						
8 END - SCRAPER ON A RET. FLAKE																																						
9 A.T.P. CARINAT END - SCRAPER																																						
10 THICK NOSED END - SCRAPER																																						
11 SHOULDERED END - SCRAPER				2	1											3	2.42				1						1											
12 INVERSE SCRAPER																																						
13 END - SCRAPER ON LATERAL PREP.																																						
14 CHAM. PIECE ON LATERAL PREP.																																						
15 CHAM. PIECE CONCAVE RET. TRUNC																																						
16 CHAM. PIECE CONCAVE RET. TRUNC																																						
17 CHAM. PIECE ON LATERAL PREP.																																						
18 END - SCRAPER BURIN																																						
19 END - SCRAPER TRUNCATED BLADE																																						
20 BURIN TRUNCATED BLADE																																						
21 PIERCER																																						
22 DIHEDRAL STRAIGHT BURIN																																						
23 DIHEDRAL BURIN ASYM.																																						
24 DIHEDRAL BURIN ANGLE																																						
25 DIHEDRAL BURIN ON A BREAK																																						
26 DIHEDRAL BURIN ON A BREAK				1																							1											
27 CARINATED BURIN																																						
28 CARINAT. BURIN FLAT - FACED																																						

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL XIX
SQ. E4

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

· DEBITAGE ·	LEVALLOIS		NON - LEVALLOIS						RETOUTCH						BUTTS						MISCELLANEOUS		
	2		1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FEATURES
POINTS			1					1	2	18.18	1	1								2			
FRAGS																							
FLAKES	1	1	1		1				2	18.18		1				1			2				
FRAGS	2	1	2		1				3	27.27		2						1	3				
BLADES	1	1	2						2	18.18		1					1		2				
FRAGS	1		1						1	9.09													
BLADELETS					1				1	9.09		1								1			
FRAGS																							
TOTAL	7	4	7	1	2	1	11				1	6				1	1	1	10				
%	63.64	36.36	63.64	9.09	18.18	9.09					10	60				10	10	10	10				

LEVEL XIX
SQ E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	5	1	6	
DIS. FRAGS	1		1	
MES. FRAGS				
PROX. FRAGS	1		1	
TOTAL 1	7	1	8	4.37
%	87.5	12.5		
FLAKES	2	4	6	
DIS. FRAGS		1	1	
MES. FRAGS		3	3	
PROX. FRAGS	3 6	4 2	7 8	
TOTAL 2	3 8	5 0	8 8	48.09
%	43.18	56.82		
FLAKE BLADES	3	1 2	1 5	
DIS. FRAGS	1		1	
MES. FRAGS	1	4	5	
PROX. FRAGS	1 1	2 2	3 3	
TOTAL 3	1 6	3 8	5 4	29.51
%	29.63	70.37		
BLADES	2	5	7	
DIS. FRAGS		1	1	
MES. FRAGS				
PROX. FRAGS	2	9	1 1	
TOTAL 4	4	1 5	1 9	10.38
%	21.05	78.95		
BLADELETS		4	4	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS		1 0	1 0	
TOTAL 5		1 4	1 4	7.65
%				
TOTAL 1=5	6 5	1 1 8	1 8 3	
%	35.52	64.48		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
4		1		1					6	
				1					1	
4	1			2					7	4.17
57.14	14.25			28.57						
1	2			2				1	6	
1 4	2 0		5	9		2 2	2	3	7 5	
1 5	2 2		5	1 1		2 2	2	4	8 1	48.21
18.52	27.16	6.17	13.58			27.16	2.47	4.94		
2	3			1			4	5	1 5	
5	3			6	1	1 2	2	4	3 3	
7	6			7	1	1 2	6	9	4 8	28.57
14.58	12.5			14.58	2.08	2.5	12.5	18.75		
	1					3	1	2	7	
1	2			1		5	2		1 1	
1	3			1		8	3	2	1 8	10.71
5.56	16.67			5.56		44.44	16.67	11.11		
						3	1		4	
1						7		2	1 0	
1						1 0	1	2	1 4	8.33
7.14						71.43	7.14	14.29		
2 8	3 2	5	2 1	1	5 2	1 2	1 7	1 6 8		
16.67	19.05	2.98	12.5	.59	30.95	7.14	10.12			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS			1	1	
FLAKES			5	5	
FLAKE BLADES	1		1	2	
BLADES	1			1	
BLADELETS					
TOTAL	2		7	9	
%	1 09		3 83		

LEVEL XIX
SQ. E4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE	8	13.04	6	3	9	20.93	2	4.65	
LEVALLOIS POINT	4	8.69	4		4	9.3			
PYRAMIDAL	2	4.35		2	2	4.65	1	2.33	
PRISMATIC - 1 PLATFORM	6	13.04		6	6	13.95			
PRISMATIC - 2 PLATFORMS	8	17.39		16	16	37.21			
GLOBULAR	3	6.52							
SHAPELESS	6	13.04	4	2	6	13.95			
DEBRIS	11	23.91							
TOTAL	46		14	29	43		3	6.98	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
6	3	1	1	4			15	1	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL
	1	1

PEBBLES

WHOLE	FRAG.	TOTAL
2	2	4

RED OCHRE

TOTAL

LEVEL XIX
SOS F 4

DEBITAGE TOOLS BUTTS MISCELLANEOUS

TYPE	TOOLS										BUTTS						MISCELLANEOUS																										
	Whole	Frag.	LEV. FLAKES	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	Broken	Total	Cortex	Crested	Blades	Sec. Patina	Therm. Fractures											
1 END - SCRAPER	7	1	40	47	7	2	3	5	27	1	6	35	56	1	6	35	56	8	2	4	2	3	3	14	1	8	9	2	6														
2 ATYPICAL SCRAPER	3	2	12	12	1	1	1	2	7	1	1	12	7	1	1	11	89	8	3	1	1	13	8	2	2	3	5	1	5														
3 DOUBLE END - SCRAPER			3	3					2							1	1																										
4 OGIVAL END - SCRAPER			3	3	1	1	1	1	1							8	1	1	1	1	6	3	1	1	5	2																	
5 END - SCRAPER ON A RET. FLAKE			6	5	3	3	3	1	1	1	1	1	1	1	1	15	3	1	1	1	1	6	1	1	9	3																	
6 END - SCRAPER ON A RET. FLAKE																																											
7 FRONT CARINAT END - SCRAPER																																											
8 LAT. CARINAT END - SCRAPER																																											
9 A TYP. CARINAT END - SCRAPER																																											
10 THICK NOSED SHOULDER SCRAPER			1	2												3	.66																										
11 SHOULDER END - SCRAPER			6	2	1	2	3	1	2	3	1	2	3	1	2	14	3	1	2	4	1	1	4	1	8	1	8	1	1														
12 INVERSE END - SCRAPER																																											
13 CHAM. PIECE OBLIQUE RET. TRUNC																																											
14 CHAM. PIECE ON LATERAL PREP.																1	.22																										
15 CHAM. PIECE ON LATERAL PREP.																																											
16 CHAM. PIECE COVEX RET. TRUNC																																											
17 MULTIPLE CHAM. PIECE																																											
18 END - SCRAPER BURIN			1	3												4	.88																										
19 END - SCRAPER TRUNCATED BLADE																4	.88																										
20 TRUNCATED BLADE																1	.22																										
21 PIERCER																1	.22																										
22 DIHEDRAL STRAIGHT BURIN																1	.22																										
23 DIHEDRAL ASYM. BURIN																																											
24 DIHEDRAL BURIN ON A RET. FLAKE			1	1												3	.66																										
25 DIHEDRAL BURIN ON A BREAK			1	1												4	.88																										
26 MULTIPLE DIHEDRAL BURIN																2	.44																										
27 CARINATED BURIN																																											
28 LAT. FACED CARINATED BURIN																																											

LEVEL XIX
SQ F4

SEMI-ABRUPT DISCONTINUOUS RETOUCH

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBITAGE	LEVALLOIS		RETOUCH						TOTAL	%	MISCELLANEOUS															
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges			1 edge	TOTAL	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS		1	1								1	6-67			1						1					
FRAGS																										
FLAKES		1	1	1							1	6-67			1						1					
FRAGS		4	4	4							4	26-67			1	1					2					
BLADES		5	5	5							5	33-33			2	1					5					
FRAGS		4	4	4							4	26-67									3					
BLADELETS																										
FRAGS																										
TOTAL		15	15	15							15				1	3					12					
%															8-33	2-5										

LEVEL XIX
F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	3 0		3 0	
DIS. FRAGS		6	6	
MES. FRAGS		7	7	
PROX. FRAGS	6		6	
TOTAL 1	3 6	1 3	4 9	7.61
%	73.47	26.53		
FLAKES	1 1	1 7	2 8	
DIS. FRAGS		7	7	
MES. FRAGS		2 1	2 1	
PROX. FRAGS	6 2	9 4	1 5 6	
TOTAL 2	7 3	1 3 9	2 1 2	32.92
%	34.43	65.57		
FLAKE BLADES	2 1	5 1	7 2	
DIS. FRAGS		1 2	1 2	
MES. FRAGS		1 0	1 0	
PROX. FRAGS	4 9	8 5	1 3 4	
TOTAL 3	7 0	1 5 8	2 2 8	35.4
%	30.70	69.29		
BLADES	1 2	1 9	3 1	
DIS. FRAGS		6	6	
MES. FRAGS		1 1	1 1	
PROX. FRAGS	4 0	5 4	9 4	
TOTAL 4	5 2	9 0	1 4 2	22.05
%	36.62	63.38		
BLADELETS		7	7	
DIS. FRAGS				
MES. FRAGS		4	4	
PROX. FRAGS		2	2	
TOTAL 5		1 3	1 3	2.02
%				
TOTAL 1-5	2 3 1	4 1 3	6 4 4	
%	35.87	64.13		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
9	6		3	1 2					3 0	
1				5					6	
1 0	6	3	1 7						3 6	6.43
2 7.78	16.67	8.33	47.22							
2	2	1	1 7		5	1			2 8	
2 8	1 4	1 4	6 6	2	2 2	1 0			1 5 6	
3 0	1 6	1 5	8 3	2	2 7	1 1			1 8 4	32.86
16.3	8.69	8.15	45.11	1.09	14.67	5.98				
6	6	4	2 6	3	2 3	4			7 2	
2 0	1 5	9	3 6		5 2	2			1 3 4	
2 6	2 1	1 3	6 2	3	7 5	6			2 0 6	36.79
12.62	10.19	6.31	30.09	1.46	36.41	2.91				
8	1		4		1 8				3 1	
1 1	9	2	2 3		2 7	2 2			9 4	
1 9	1 0	2	2 7		4 5	2 2			1 2 5	22.32
15.2	8	1.6	21.6		3 6	17.6				
1					6				7	
					2				2	
1					8				9	1.61
1 1.11					88.89					
8 6	5 3	3 3	1 8 9	5	1 5 5	3 9			5 6 0	
15.36	9.46	5.89	33.79	.89	27.68	6.96				

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS		1		1	
FLAKES	2			2	
FLAKE BLADES	1 0			1 0	
BLADES					
BLADELETS					
TOTAL	1 2	1		1 3	
%	1.86	.16			

LEVEL XIX
SQ. F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3	2.52							
LEVALLOIS FLAKE	1	.84		1	1	.85	1	.85	
LEVALLOIS BLADE	18	15.13	21	7	28	23.93	7	5.92	1
LEVALLOIS POINT	6	5.04	6		6	5.13	1	.85	
PYRAMIDAL	23	19.33	3	21	24	20.51	6	5.13	
PRISMATIC - 1 PLATFORM	15	12.61		16	16	13.68	5	4.27	
PRISMATIC - 2 PLATFORMS	19	15.97		38	38	32.48	6	5.13	
GLOBULAR	3	2.52					1	.85	
SHAPELESS	9	7.56	2	2	4	3.42			
DEBRIS	22	18.49							
TOTAL	119		32	85	117		27	23.08	1

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
22	6	3	14	19			1	65	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL
2		2

RED OCHRE

TOTAL

LEVEL XVIII
SOS E4 AND F4

DEBITAGE TOOLS BUTTS MISCELLANEOUS

TYPES	TOOLS										BUTTS										MISCELLANEOUS																
	LEV. POINT	Whole	Frag.	LEV. FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADETS	Frag.	TOTAL	%	Convex	Faceted	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	FRACURES THERM.						
1 END - SCRAPER		14	3	2	4	1	1	5	4	9	8				7.8	29.32	3	7	7	1	4	1	9	5	6	5	10	3	5	3							
2 ATYPICAL END - SCRAPER		2	1	1	1	0				5	1				3.0	11.27	2	2	2		8		1	4	1		4				1						
3 DOUBLE END - SCRAPER											2				2	.75																					
4 OGIVAL SCRAPER		3	2	1	2	1				1					10	3.76	1	1	1	1	2	2	2	1	8	3			2	1							
5 END - SCRAPER ON A RET. FLAKE		2									1				3	1.13	1							1	2				1								
6 END - SCRAPER ON AN AURIG. BLADE																																					
7 FRONT. CARINAT END - SCRAPER																																					
8 LAT. CARINAT END - SCRAPER																																					
9 END. P. SCRAPER																																					
10 THICK ROSED END - SCRAPER																																					
11 SHOULDERED END - SCRAPER				2	2					1					5	1.88			1				2		3									4			
12 INVERSE END - SCRAPER																																					
13 CHAM. PIECE TRUNC OBLIQUE RET. TRUNC ON LATERAL PREP.																																					
14 CHAM. PIECE TRUNC ON LATERAL PREP.																																					
15 CHAM. PIECE CONCAVE RET. TRUNC																																					
16 CHAM. PIECE CONVEX RET. TRUNC																																					
17 MULTIPLE CHAM. PIECE																																					
18 BURIN SCRAPER																																					
19 END - SCRAPER TRUNCATED BLADE																																					
20 BURIN - TRUNCATED BLADE																																					
21 PIERCER																																					
22 DIHEDRAL STRAIGHT BURIN																																					
23 DIHEDRAL BURIN ASYM.																																					
24 DIHEDRAL BURIN ANGLE																																					
25 DIHEDRAL ANGLE BURIN ON A BREAK																																					
26 DIHEDRAL BURIN ON A BREAK																																					
27 CARINATED BURIN																																					
28 FLAT - FACED CARINAT. BURIN																																					

TOOLS

TYPES	DEBITAGE										BUTTS							MISCELLANEOUS																			
	Whole	Frag	Whole	LEV. FLAKES	Frag	Whole	FLAKES	Frag	Whole	LEV. BLADES	Frag	Whole	BLADES	Frag	Whole	BLADELETS	Frag	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti- form	Linear	Broken	Total	Cortex	Crested	Blades	Sec. Patina	Therm Fractures			
29 BURIN ON A STRAIGHT RET TRUNC									1									1	.38																		
30 BURIN ON AN OBLIQUE RET TRUNC																		2	.75																	1	
31 BURIN ON A CONCAVE RET TRUNC																																					
32 BURIN ON A CONVEX RET TRUNC																																					
33 WHORL BURIN																																					
34 MULTIPLE BURIN																																					
35 BURIN ON A LATERAL PREP.																																					
36 KSAR'AKIL POINT																																					
37 PIECED																																					
38 PARTIALLY BACKED PIECE	3	2								1	5	1	2	4	1																						
39 DOUBLE PART BACKED PIECE	3									1	1	1	7	8																							
40 STRAIGHT RET TRUNCATION																																					
41 OBLIQUE TRUNCATION	1									1	1	1	5																								
42 RETICATED TRUNCATION																																					
43 CONVEX RET TRUNCATION																																					
44 DOUBLE TRUNCATION																																					
45 ALRIGNACIAN BLADE																																					
46 POINT PLANE	1																																				
47 POINTED BY RET	2																																				
48 NOTCHED PIECE										1	4	2																									
49 DENTICULATED PIECE																																					
50 SPLINTERED PIECE																																					
51 SODASPER TRUNCATED BLADELET																																					
52 TRUNCATED BLADELET																																					
53 BLADELET WITH INVERSE RET																																					
54 DIVERS																																					
TOTAL	9	3	2	2	8	4	7	3	2	2	16	5	6	8	5	6	5	266																			
%	3.38	1.13	8.27	3	17.67	12.03	6.02	11.88	25.52	21.05																											

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL XVIII
SQ E4 AND F4

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRISAGE	LEVALLOIS		RETOUCH						BUTTS		MISCELLANEOUS											
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	FACETED	convex	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS	3	2	5							1								1				
FRAGS			5															1				
FLAKES		1	1											1				1				
FRAGS		3	3									1						1				
BLADES	1	3	4								1				2	1		4				
FRAGS		4	3																			
BLADELETS																						
FRAGS																						
TOTAL	4	13	16							1	1	1	1		3	1		7			1	
%	23.53	76.47	94.12							5.88					42.86	14.29					5.88	

LEVEL XVIII
SQ E4 AND F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	7	4	11	
DIS. FRAGS	3	8	11	
MES. FRAGS				
PROX. FRAGS		1	1	
TOTAL 1	10	13	23	4.77
0/0	43.47	56.53		
FLAKES	12	36	48	
DIS. FRAGS	1	4	5	
MES. FRAGS	1	7	8	
PROX. FRAGS	17	40	57	
TOTAL 2	31	87	118	24.48
0/0	26.27	73.73		
FLAKE BLADES	17	68	85	
DIS. FRAGS	3	5	8	
MES. FRAGS	1	13	14	
PROX. FRAGS	11	46	57	
TOTAL 3	32	142	174	36.09
0/0	18.39	81.61		
BLADES	4	58	62	
DIS. FRAGS	2	10	12	
MES. FRAGS		14	14	
PROX. FRAGS	4	47	51	
TOTAL 4	10	129	139	28.84
0/0	7.19	92.81		
BLADELETS		14	14	
DIS. FRAGS		7	7	
MES. FRAGS		1	1	
PROX. FRAGS		6	6	
TOTAL 5		28	28	5.81
0/0				
TOTAL 1-5	83	399	482	
0/0	17.22	82.78		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
2	1			5				3	11	
2	1			5				3	11	2.74
18.18	9.09			45.45				27.27		
4	4	1	12	1	7	11	8	48		
9	1	5	20	2	6	12	2	57		
13	5	6	32	3	13	23	10	105	26.18	
12.38	4.76	5.71	30.48	2.86	12.38	21.9	9.52			
5	11	3	17	4	28	13	4	85		
2	1	2	9	1	32	12	8	67		
7	12	5	26	5	60	25	12	152	37.91	
4.61	7.89	3.29	17.11	3.29	39.47	16.45	7.89			
2	3		6		40	9	2	62		
3	1	1	5		31	10		51		
5	4	1	11		71	19	2	113	28.18	
4.42	3.54	.88	9.73		62.83	16.81	1.77			
						3	3	6		
						14	6	20	4.99	
						70	30			
27	22	12	74	8	158	73	27	401		
6.73	5.49	2.99	18.45	1.99	39.4	18.2	6.73			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	7		3	10	
FLAKE BLADES	6		5	11	
BLADES	4			4	
BLADELETS					
TOTAL	17		8	25	
0/0	3.63		1.71		

LEVEL XVIII
SQ. E4 AND F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE	5	9.62	5	2	7	11.48			
LEVALLOIS POINT	4	7.69	2	2	4	6.56			
PYRAMIDAL	9	17.31	3	6	9	14.75			
PRISMATIC - 1 PLATFORM	8	15.38		8	8	13.11	4	6.56	
PRISMATIC - 2 PLATFORMS	16	30.77		32	32	52.46	4	6.56	
GLOBULAR									
SHAPELESS	4	7.69		1	1	1.64			
DEBRIS	6	11.54							
TOTAL	52		10	51	61		8	13.11	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
26	11	4	2	5	1		49		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL
2		2

PEBBLES

WHOLE	FRAG	TOTAL
3		3

RED OCHRE

TOTAL

SEMI-ABRUPT DISCONTINUOUS RETOUCH

LEVEL xviii
SQ E4

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBITAGE	LEVALLOIS		RETOUCH						BUTTS			MISCELLANEOUS												
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS	2	2	4						4	26.67														
FLAKES		1	1						1	6.67							1				1			
FRAGS		3	3						3	20.00					1						1			
BLADES		3	4						4	26.67				1			2	1			4			
FRAGS	1	3	2						3	20.00														
BLADELETS																								
FRAGS																								
TOTAL	3	12	14	1	1	6.67	15							16.67	16.67	50.00	16.67			6			1	
%	20.00	80.00	93.33																				6.67	

LEVEL XVIII
SQ
E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	4	3	7	
DIS. FRAGS	3	2	5	
MES. FRAGS				
PROX. FRAGS			1	
TOTAL 1	7	6	13	4-6.3
%	55-05	46-15		
FLAKES	9	26	35	
DIS. FRAGS	1	2	3	
MES. FRAGS	1	5	6	
PROX. FRAGS	13	22	35	
TOTAL 2	24	55	79	28-11
%	30-38	69-62		
FLAKE BLADES	9	39	48	
DIS. FRAGS	3	5	8	
MES. FRAGS	1	5	6	
PROX. FRAGS	3	39	42	
TOTAL 3	16	88	104	37-01
%	15-38	84-62		
BLADES	1	36	37	
DIS. FRAGS	2	4	6	
MES. FRAGS				
PROX. FRAGS	1	19	20	
TOTAL 4	4	59	63	22-42
%	6-35	93-65		
BLADELETS		9	9	
DIS. FRAGS		6	6	
MES. FRAGS		1	1	
PROX. FRAGS		6	6	
TOTAL 5		22	22	7-8.3
%		100		
TOTAL 1-5	51	230	281	
%	18-15	81-85		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
1	1			2				3	7	
1	1			2				3	7	2-93
14-29	14-29			28-57				42-86		
3	4	1	8		3	8	8	35		
6	1	5	8	1	4	8	2	35		
9	5	6	16	1	7	16	10	70	29-29	
12-86	7-14	8-57	22-86	1-43	10-00	22-86	14-29			
3	9	2	8		11	11	4	48		
		2	4	1	17	10	8	42		
3	9	4	12	1	28	21	12	90	37-66	
3-33	10-00	4-44	13-33	1-11	31-11	23-33	13-33			
1	2		3		23	6	2	37		
3	1		1		9	6		20		
4	3		4		32	12	2	57	23-85	
7-02	5-26		7-02		56-14	21-05	3-51			
						6	3	9		
						3	3	6		
						9	6	15	6-28	
						60-00	30-00			
17	18	10	34	2	76	55	27	239		
7-11	7-53	4-18	14-23	84	31-79	23-01	11-29			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	7		3	10	
FLAKE BLADES	2		5	7	
BLADES	4			4	
BLADELETS					
TOTAL	13		8	21	
%	4-6.3		2-8.5		

LEVEL XVIII
SQ. E4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE	5	10-20	5	2	7	12-28			
LEVALLOIS POINT	3	6-12	1	2	3	5-26			
PYRAMIDAL	8	16-33	3	5	8	14-04			
PRISMATIC - 1 PLATFORM	8	16-33		8	8	14-04	4	7-02	
PRISMATIC - 2 PLATFORMS	15	30-61		3 0	3 0	52-63	4	7-02	
GLOBULAR									
SHAPELESS	4	8-16		1	1	1-75			
DEBRIS	6	12-24							
TOTAL	49		9	4 8	5 7		8	14-04	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS. 1 PLAT.	PRIS. 2 PLAT.					
2 4	1 0	4	1	3			4 2		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL
2		2

PEBBLES

WHOLE	FRAG.	TOTAL
3		3

RED OCHRE

TOTAL

LEVEL XVIII
SOS F4

TYPES	DEBITAGE										TOOLS				BUTTS							MISCELLANEOUS									
	Whole	Frag.	LEV. FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADETS	Frag.	TOTAL	%	CONVEX	FACED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	SEC. PATINA	FRACTURES		
1 END - SCRAPER				1	1	1	1	1	1	5				25	3125			2	1	6	1	4	1			15					7
2 ATYPICAL																															
3 DOUBLE - SCRAPER				6	3	2							11	1375			2	1	5						8					3	
4 UNIVAL SCRAPER									1				1	125																	
5 END - SCRAPER ON A RET. FLAKE													1	125						1					1						
6 END - SCRAPER ON AN AURIG. BLADE																															
7 FRONT. CARINAT																															
8 END - SCRAPER																															
9 LAT. - CARINAT																															
10 THICK, NOSED																															
11 SHOULDERED																															
12 INVERSE																															
13 CHAM. PIECE																															
14 CHAM. PIECE																															
15 CHAM. PIECE																															
16 CHAM. PIECE																															
17 MULTIPLE																															
18 BURIN SCRAPER																															
19 END - SCRAPER																															
20 BURIN																															
21 TRUNCATED BLADE																															
22 DIHEDRAL																															
23 DIHEDRAL																															
24 DIHEDRAL																															
25 DIHEDRAL																															
26 BURIN																															
27 CARINATED																															
28 FLAT - FACED																															

TYPES	DEBITAGE														TOOLS			BUTTS						MISCELLANEOUS													
	Whole	LEV. POINT	Frag	Whole	LEV. FLAKES	Frag	Whole	FLAKES	Frag	Whole	LEV. BLADES	Frag	Whole	BLADES	Frag	Whole	BLADELETS	Frag	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti- Form	Linear	BROKEN	TOTAL	CRESTED	BLADES	SEC. PATINA	THERM			
29 BURIN ON A STRAIGHT RET. TRUNC																				1	1-25		1												1		
30 BURIN ON AN OBLIQUE RET. TRUNC																																					
31 BURIN ON A CONCAVE RET. TRUNC																																					
32 CONVEX ON A TRUNC																																					
33 MULTIPLE BURIN TRUNC																																					
34 MIXED BURIN																																					
35 BURIN ON A LATERAL PREP.																																					
36 KSART AKIL																																					
37 BACKED PIECE																																					
38 PARTIALLY BACKED PIECE	1									10	8												1		3	10	1		15	1							
39 DOUBLE PART BACKED PIECE										5	2													1		4	1		6	1							
40 STRAIGHT RET. TRUNCATION										1	1																1										
41 OBLIQUE TRUNCATION											1																	1									
42 CONCAVE TRUNCATION RET.																																					
43 CONVEX TRUNCATION RET.																																					
44 DOUBLE TRUNCATION																																					
45 AURIGNACIAN BLADE																																					
46 POINT PLANE																																					
47 BLADE POINTED BY RET																																					
48 NOTCHED PIECE	1																																				
49 DENTICULATED PIECE									2																												
50 SPLINTERED PIECE																																					
51 SCRAPER																																					
52 TRUNCATED BLADELET																																					
53 BLADELET WITH INVERSE RET																																					
54 DIVERS																																					
TOTAL	2	1	1	24	9	2				21	20												3	6	1	17	1	23	4		55	16				1	
%	2-50	1-25	1-25	30-00	11-25	2-50				26-25	25-00												5-45	10-91	1-82	30-91	1-82	41-92	7-27		20-00				1-25		

LEVEL XVIII
SQ. F4
SEMI-ABRUPT DISCONTINUOUS RETOUCH

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRISAGE	LEVALLOIS		RETETCH						%		BUTTS										MISCELLANEOUS			
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS	1		1					1	50-00		1									1				
FLAKES																								
FRAGS																								
BLADES																								
FRAGS																								
BLADELETS																								
FRAGS																								
TOTAL	1	1	2					2	100		1									1				
%																								

LEVEL XVIII
SQ F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	3	1	4	
DIS. FRAGS		6	6	
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	3	7	10	4.96
%	30-00	70-00		
FLAKES	3	10	13	
DIS. FRAGS		2	2	
MES. FRAGS		2	2	
PROX. FRAGS	4	18	22	
TOTAL 2	7	32	39	19.40
%	17-95	82-05		
FLAKE BLADES	8	29	37	
DIS. FRAGS				
MES. FRAGS		8	8	
PROX. FRAGS	8	17	25	
TOTAL 3	16	54	70	34.83
%	22.86	77.14		
BLADES	3	22	25	
DIS. FRAGS		6	6	
MES. FRAGS		14	14	
PROX. FRAGS	3	28	31	
TOTAL 4	6	70	76	
%	7.89	92.11		
BLADELETS		5	5	
DIS. FRAGS		1	1	
MES. FRAGS				
PROX. FRAGS				
TOTAL 5		6	6	
%		100		
TOTAL 1-5	32	169	201	
%	15.92	84.08		

.BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
1				3					4	
1				3					4	2.47
25-00				75-00						
1				4	1	4	3		13	
3				12	1	2	4		22	
4				16	2	6	7		35	21.60
11-43				45-71	5-71	17-14	20-00			
2	2	1		9	4	17	2		37	
2	1			5		15	2		25	
4	3	1	14	4	3	2	4		62	38.27
6-45	4-84	1-61	22-58	6-45	51-61	6-45				
1	1			3		17	3		25	
			1	4		22	4		31	
1	1	1	7		3	9	7		56	34.57
1-79	1-79	1-79	12-50		69-64	12-50				
					5				5	
						5			5	3.09
						100				
10	4	2	40	6	8	2	18		162	
6-17	2-47	1-23	24-67	3-70	50-62	11-11				

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES					
FLAKE BLADES	4			4	
BLADES					
BLADELETS					
TOTAL	4			4	
%	1-99			1-99	

LEVEL XVIII
SQ. F4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE									
LEVALLOIS POINT	1	33-33	1		1	25-00			
PYRAMIDAL	1	33-33		1	1	25-00			
PRISMATIC - 1 PLATFORM									
PRISMATIC - 2 PLATFORMS	1	33-33		2	2	50-00			
GLOBULAR									
SHAPELESS									
DEBRIS									
TOTAL	3		1	3	4				

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM.C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
2	1		1	2	1		7		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

LEVEL XVII
SOS E4,F4end F3

DEBITAGE TOOLS BUTTS MISCELLANEOUS

TYPES	LEV.POINT		LEV.FLAKES		FLAKES		LEV.BLADES		BLADES		BLADELETS		TOTAL	%	Convex	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC PATINA	FRACTURES
	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.																	
1 END - SCRAPER			5	2	70	78	3	1	84	58			301	1953	10	8	4	4	71	6	53	8	2	162	48	14	3	22	
2 ATYPICAL END - SCRAPER			2	27	39		1	23	8				100	649	2	4		18	3	18	7		52	20	5	2	13		
3 DOUBLE END - SCRAPER													25	163											9	1			
4 OGIVAL SCRAPER END - SCRAPER ON A REFLAKE ON A REFLAKE			1	1	16	14		2	9	7			50	326	3	2		7	1	8	1	4	26	11	3	2	2		
5																													
6 END - SCRAPER ON AN AURIG. BLADE																													
7 FRONT. CARINAT END - SCRAPER																													
8 LAT. CARINAT SCRAPER																													
9 END - SCRAPER END - SCRAPER																													
10 THICK NOSSED END - SCRAPER					2	1							4	.26				1					1	3				1	
11 SHOULDERED END - SCRAPER					5	7			3	1			16	104	2			4		1	1		8					4	
12 INVERSE END - SCRAPER																													
13 OBLIQUE RETRUNC CHAM. PIECE													1	.06															
14 CHAM. PIECE ON LATERAL PREP.													1	.06					1				1						
15 CHAM. PIECE CONCAVE RET. TRUNC													1	.06															
16 CHAM. PIECE CONVEX RET. TRUNC																													
17 CHAM. PIECE IPER																													
18 END - SCRAPER BURIN														.06															
19 END - SCRAPER TRUNCATED BLADE														.33															
20 BURIN TRUNCATED BLADE																													
21 PIERCER																													
22 DIHEDRAL STRAIGHT					1				1	2			3	.19									1						
23 DIHEDRAL ASYM. BURIN														.13					1										
24 DIHEDRAL ANGULAR BURIN														.06															
25 ANGLE BURIN BURIN ON A BREAK														.13															
26 MULTIPLE DIHEDRAL BURIN					2				2	1			5	.33					1				3						
27 CARINATED BURIN														.06															
28 FLAT - FACED CARINAT. BURIN																													

LEVEL XVII
SQ. E4,F4 and F3

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPES	LEAF POINT		LEAF FLAKES		FLAKES		LEAF BLADES		BLADES		BLADELETS		TOTAL		%														
	Whole	Frags	Whole	Frags	Whole	Frags	Whole	Frags	Whole	Frags	Whole	Frags	Convex	Faceted		Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	Broken	Total	Cortex	Cherted	Blades	Sec. Patina	Fractures	
29 BURIN ON A TRUNC STRAIGHT RET.													1	-0.6										1					
30 BURIN ON AN OBLIQUE RET. TRUNC	1		1		1		2						5	-3.2	1		2				1			4		1		1	
31 BURIN ON A CONCAVE RET. TRUNC			1		2				1				4	-2.6			1						1					1	
32 BURIN ON A CONVEX RET. TRUNC																													
33 TRIPLE BURIN												1	1	-0.6							1		1						
34 MULTIPLE BURIN													2	-1.3															
35 BURIN ON A LATERAL PREP.																													
36 KSAR-AKIL POINT																													
37 PACKED BACKED PIECE													3	12	18														
38 BASTIALLY BACKED PIECE	1	2	2	5	3	10	168	190	6	4	391	2537	4	5	35	4	5	35	171	68	3	291		4	8		8		
39 DOUBLE PART BACKED PIECE	1					3	4	33	50				91	5.91	4	1	11		44	11	1	73					2		
40 STRAIGHT RET. TRUNCATION													1	-7.1															
41 OBLIQUE TRUNCATION			1	2	3	1	2	8	16				51	33.2	1	1	4		18	7		31		2	1		5		
42 CONCAVE RET. TRUNCATION													13	-8.4					1	1		3							
43 CONVEX RET. TRUNCATION			1	3	1	11	2						18	11.7					6	3		13		1					
44 DOUBLE TRUNCATION													2	-1.3															
45 AURIGMACIAN POINT A & FACE PLANE																													
46 POINT A & FACE PLANE													31	1.8															
47 BLADE POINTED BY RET	3												135	11.0															
48 NOTCHED BY PIECE			6	9	1	1	16	16					1	50	32.6	3	2	11	97	30	2	147		1	2		7		
49 DENTICULATED PIECE													1	5	-3.3														
50 SCRAPER WITH INVERSE RET													1	6	-3.9														
51 SIDE SCRAPER													5	1	-4.6														
52 TRUNCATED BLADELET																													
53 BLADELET WITH INVERSE RET																													
54 DIVERS			1	5																									
TOTAL	6	2	8	5	153	202	12	24	577	538	7	7	1541		32	27	13	199	10	482	165	19	947	108	35	10	66		
%	-3.9	-1.3	-5.2	-3.3	9.9	4.1	3.1	1.7	8	1.5	6	3.4	9.9	-4.6	-4.6	3.3	2.8	1.3	20.4	10.6	50.9	17.4	20.1	7.0	2.2	8	6.5	4.2	

SEMI-ABRUPT DISCONTINUOUS RETOUCH

LEVEL XVII
SQ. E4, F4 and F3

MISCELLANEOUS

BUTS

RETOUCH

TECHNOLOGY

DEBRIDGE.	LEVALLOIS		RETOUCH						BUTS			MISCELLANEOUS												
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES	1	3	4						4	7-14	1	1	2							4				1
FRAGS		6	6						6	10-71			1							2	1	1		
BLADES		18	13	1	4				18	32-14			2	1	11	3	1			18				1
FRAGS		26	20	2	4				26	46-43			2		4	5				11	1			
BLADELETS		1	1						1	1-79						1				1				
FRAGS		1	1						1	1-79														
TOTAL	1	55	45	3	4	4	4	56			1	1	7	1	18	8			36	2	1	2		
%	1-79	98-21	80-36	5-36	7-14	7-14					2-78	2-78	19-44	2-78	50-00	22-22			2-78		3-57	1-79	3-57	

LEVEL XVII
SO E4,F4 and F3

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	25	23	48	
DIS. FRAGS	9	11	20	
MES. FRAGS	4		4	
PROX. FRAGS	8	11	19	
TOTAL 1	46	45	91	89
%	50-55	49-45		
FLAKES	49	468	517	
DIS. FRAGS	1	16	17	
MES. FRAGS	9	2610	2619	
PROX. FRAGS	81	2405	2486	
TOTAL 2	140	5499	5639	55-31
%	2-48	97-52		
FLAKE BLADES	8	635	643	
DIS. FRAGS	1	34	35	
MES. FRAGS	3	569	572	
PROX. FRAGS	17	884	901	
TOTAL 3	29	2122	2151	21-09
%	-28	99-72		
BLADES	8	411	419	
DIS. FRAGS	1	108	109	
MES. FRAGS	1	272	273	
PROX. FRAGS	26	755	781	
TOTAL 4	36	1546	1582	15-51
%	22-75	77-25		
BLADELETS		110	110	
DIS. FRAGS		10	10	
MES. FRAGS		318	318	
PROX. FRAGS		295	295	
TOTAL 5		733	733	7-19
%		100		
TOTAL 1-5	251	9945	10196	
%	2-48	97-53		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
5	2	5	33					3	48	
1	3	5	10						19	
6	5	10	43					3	67	1-08
8-96	7-46	14-93	64-18					4-48		
15	5	31	200	11	151	98		6	517	
85	38	170	687	55	1010	434	7	2486		
100	43	201	887	66	1161	532	13	3003	48-33	
3-33	1-43	6-67	27-53	2-17	38-66	17-71	4-43			
13	11	7	106	5	337	159	5	643		
12	8	13	169	1	504	192	2	901		
25	19	20	275	6	841	351	7	1544	24-85	
1-62	1-23	12-95	17-81	-39	54-47	22-83	-84			
2	5	5	37		252	113	5	419		
12	8	5	80	5	504	158	3	775		
14	13	10	117	5	756	271	8	1194	19-21	
1-17	1-09	-84	9-79	-42	63-32	22-69	-67			
			5		82	22	1	110		
1		1	9		257	26	1	295		
1		1	14		339	48	2	405	6-52	
25		25	346		8370	1185	49			
146	80	242	1336	77	3097	1202	33	6213		
2-35	1-29	3-89	21-50	1-24	49-85	19-35	-53			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS	1			1	
FLAKES	13		6	19	
FLAKE BLADES	11		7	18	
BLADES	16		9	25	
BLADELETS					
TOTAL	41		22	63	
%	4-0		2-2		

LEVEL XVII
SQ. E4, F4 and F3

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	12	1.51							
LEVALLOIS FLAKE	1	.13	1		1	.13			
LEVALLOIS BLADE	38	4.79	40	29	69	8.77	30	.88	2
LEVALLOIS POINT	4	.50	4		4	.51	2	.58	
PYRAMIDAL	129	16.25	14	113	127	16.14	56	1.64	6
PRISMATIC - 1 PLATFORM	125	15.74		125	125	15.88	99	12.59	11
PRISMATIC - 2 PLATFORMS	228	28.72		456	456	57.84	155	19.72	10
GLOBULAR	5	.63							2
SHAPELESS	8	1.01		5	5	.64			
DEBRIS	244	30.73							6
TOTAL	794		59	728	787		342	43.51	37

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
536	150	38	26	168	63	156	21	1158	4

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
	3	3					6

HAMMERSTONES

WHOLE	FRAG.	TOTAL
8		8

PEBBLES

WHOLE	FRAG.	TOTAL
11	10	21

RED OCHRE

TOTAL
2

LEVEL XVII
SOS E4

TYPES	DEBITAGE										TOOLS					BUTTS						MISCELLANEOUS																			
	Whole	Frag.	LEV. FLAKES	Frag.	FLAKES	Frag.	Whole	LEV. BLADES	Frag.	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	Whole	TOTAL	%	CONVEX	FACED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTURE	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	THERM.								
1			2	10	11	2	1	10	10								46	1223	1			1	5	1	7	5	2	22	13	2	2		3								
2			2	6	10		1	9									28	745	1	3		1	2		6	5		17	4	2											
3					1			1										.53																							
4			1	5	3	2	5	1									17	452	1	2		1	2	1	2	4	10	1	2					1							
5																	5	133	1	1		1	1	1	1	1	5														
6								2																																	
7																																									
8																																									
9																																									
10																																									
11						2	1										3	.79				1	1		1	1	2	1													
12																																									
13																																									
14																																									
15																																									
16																																									
17																																									
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26																																									
27																																									
28																																									

LEVEL xvii
SQ E4

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

TECHNOLOGY

RETOUCH

BUTTS

MISCELLANEOUS

DEBITAGE	LEVALLOIS		RETOUCH						BUTTS						MISCELLANEOUS								
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																							
FRAGS																							
FLAKES	1		1						1	5-88									1				
FRAGS		3	3						3	17-65					1				1				
BLADES		8	6				2		8	47-06			1	1	1	4	2		8				
FRAGS		4	4						4	23-53					1				1				
BLADELETS																							
FRAGS	1		1						1	5-88													
TOTAL	1	16	15				2		17					1	1	1	6	2	11	1			
%	5-88	94-12	88-24				11-76							9-09	9-09	54-55	18-18			5-88			

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	7	7	14	
DIS. FRAGS	3	3	6	
MES. FRAGS				
PROX. FRAGS		3	3	
TOTAL 1	10	13	23	4.05
%	43.48	56.52		
FLAKES	10	38	48	
DIS. FRAGS	1	5	6	
MES. FRAGS		9	9	
PROX. FRAGS	6	61	67	
TOTAL 2	17	113	130	22.89
%	13.08	86.92		
FLAKE BLADES	5	90	95	
DIS. FRAGS	1	12	13	
MES. FRAGS	3	8	11	
PROX. FRAGS	3	47	50	
TOTAL 3	12	157	169	29.75
%	7.10	92.89		
BLADES	4	104	108	
DIS. FRAGS	1	13	14	
MES. FRAGS	1	5	6	
PROX. FRAGS	6	54	60	
TOTAL 4	12	176	188	33.09
%	6.38	93.62		
BLADELETS		21	21	
DIS. FRAGS		3	3	
MES. FRAGS		7	7	
PROX. FRAGS		27	27	
TOTAL 5		58	58	10.21
%		100		
TOTAL 1-5	51	517	568	
%	8.98	91.02		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
2	1			8				3	14	
	2			1					3	
2	3			9				3	17	3.49
11.76	17.65			52.94				17.65		
4			3	20		4	11	6	48	
2	2	2	15	2	16	21	7	67		
6	2	5	35	2	20	32	13	115	23.61	
5.22	1.74	4.35	30.43	1.74	17.39	27.83	11.30			
3	3			15	1	37	31	5	95	
2	2	1	8		12	23	2	50		
5	5	1	23	1	49	54	7	145	29.77	
3.45	3.45	.69	15.86	.69	33.79	37.24	4.83			
1	4	1	4		54	39	5	108		
	1			3	29	18	3	54		
1	5	1	7		83	57	8	162	33.26	
.62	3.09	.62	4.32		51.23	35.19	4.94			
				3	10	7	1	21		
					25	1	1	27		
				3	35	8	2	48	9.86	
14	15	7	77	3	187	151	33	487		
2.87	3.08	1.44	15.81	.62	38.39	31.01	6.78			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS	1			1	
FLAKES	13		6	19	
FLAKE BLADES	9		7	16	
BLADES	12		6	18	
BLADELETS					
TOTAL	35		19	54	
%	6.16		3.34		

LEVEL XVII
SQ. E4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3	3.33							
LEVALLOIS FLAKE									
LEVALLOIS BLADE	2	2.22	2	1	3	2.40	1	.80	
LEVALLOIS POINT	2	2.22	2		2	1.60			
PYRAMIDAL	23	25.56		23	23	18.40	11	8.80	
PRISMATIC - 1 PLATFORM	13	14.44		13	13	10.40	17	13.60	
PRISMATIC - 2 PLATFORMS	42	46.47		84	84	67.20	27	21.60	
GLOBULAR									
SHAPELESS									
DEBRIS	5	5.56							
TOTAL	90		4	121	125		56	44.80	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS. 1 PLAT.	PRIS. 2 PLAT.					
48	11	11	5	30	5		110	1	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL
3		3

RED OCHRE

TOTAL
1

LEVEL XVII
SOS F4

TYPES	DEBITAGE										TOOLS										BUTTS						MISCELLANEOUS										
	Whole	Frag.	LEV. FLAKES	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	Convex	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	FRACTURES				
1	1					21	24					31	16			93	1806		3	3	3	1	28	3	14	1			14	9	1	12					
2						15	15					7	3			40	811		1				10	3	8				11	2		2					
3						4						6				10	203												4								
4						4	2					4	4			15	304		1				3		5				4	1	1						
5						1	1					1	1			3	61							1					4			1					
6																																					
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LEVEL XVII
SO. F4

TYPE	DEBITAGE				TOOLS				BUTTS							MISCELLANEOUS														
	Whole	Frag	Whole	Frag	Whole	Frag	Blades	Bladelets	Frag	Total %	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti- form	Linear	Broken	Total	Cortex	Crested	Blades	Sec. Patina	Fractures					
29 BURIN ON A STRAIGHT RET. TRUNC																														
30 BURIN ON AN OBLIQUE RET TRUNC	1	1								2	-41				1					1										
31 BURIN ON A CONCAVE RET. TRUNC	1								1		-41				1					1										
32 CONVEY ON A CONVEX RET. TRUNC																														
33 MULTIPLE BURIN TRUNC																														
34 MULTIPLE BURIN MIXED																														
35 BURIN ON A LATERAL PREP.																														
36 KSAPAKIL POINT PIECE																														
37 POINT PIECE										4	11																			
38 PARTIALLY BACKED PIECE										54	71																			
39 DOUBLE PART BACKED PIECE										6	20																			
40 STRAIGHT RET TRUNCATION										3	2																			
41 OBLIQUE TRUNCATION										12	6																			
42 CONVEX TRUNCATION										1																				
43 CONVEX TRUNCATION										1	1																			
44 DOUBLE TRUNCATION										3	1																			
45 AURIGNACIAN BLADE																														
46 POINT PLANE										11	8																			
47 BLADE POINTED BY RET										31	41																			
48 NOTCHED PIECE										4	6																			
49 DENTICULATED PIECE																														
50 SPLINTERED PIECE																														
51 SCRAPER																														
52 TRUNCATED BLADELET																														
53 BLADELET WITH INVERSE RET																														
54 DIVERS										2																				
TOTAL	1	2	49	62	176	203				1	2				7	3	3	81	6	147	37						37	15	2	15
%	.20	.41	9.94	12.58	35.69	41.18				493					2.46	1.07	1.07	28.52	2.11	51.76	13.03						7.51	3.04	.41	3.04

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBITAGE	LEVALLOIS		RETOUCH						BUTTS						MISCELLANEOUS									
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES		3	3							3	18.75	1			2						3			1
FRAGS		1	1							1	6.25			1							1			
BLADES		4	4							4	25.00						3	1			4			
FRAGS		8	5	1	2					8	50.00			1		1		1			3			
BLADELETS																								
FRAGS																								
TOTAL		16	13	1	2					16		1			4		4	2		11				1
%			81.25	6.25	12.50							9.09			35.36		36.36	18.18						6.25

LEVEL XVII
SQ F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	10		10	
DIS. FRAGS		8	8	
MES. FRAGS				
PROX. FRAGS	6	1	7	
TOTAL 1	16	9	25	2-49
%	64-00	36-00		
FLAKES	8	30	38	
DIS. FRAGS		5	5	
MES. FRAGS		30	30	
PROX. FRAGS	16	102	118	
TOTAL 2	24	167	191	19-00
%	12-57	87-43		
FLAKE BLADES	3	70	73	
DIS. FRAGS		7	7	
MES. FRAGS		18	18	
PROX. FRAGS	1	131	132	
TOTAL 3	4	228	230	22-89
%	1-74	98-26		
BLADES	4	137	141	
DIS. FRAGS		15	15	
MES. FRAGS		61	61	
PROX. FRAGS	15	258	271	
TOTAL 4	19	469	488	48-56
%	3-89	96-11		
BLADELETS		15	15	
DIS. FRAGS		2	2	
MES. FRAGS		4	4	
PROX. FRAGS		50	50	
TOTAL 5		71	71	7-06
%		100		
TOTAL 1-5	63	942	1005	
%	6-27	93-73		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
1				9					10	
1	1	2	3						7	
2	1	2	12						17	1-99
11-76	5-88	11-76	70-59							
4	2	3	14	2	8	5			38	
14	1	12	32	1	47	11			118	
18	3	15	46	3	55	16			156	18-25
11-54	1-92	9-62	29-49	1-92	35-26	10-26				
2	3		19	1	35	13			73	
1	3	1	16		89	22			132	
3	6	1	35	1	124	35			205	23-98
1-46	2-93	.49	17-07	.49	60-49	17-07				
1	1	3	12		93	31			141	
1	4	1	32	2	177	54			271	
2	5	4	44	2	270	85			412	48-19
.49	1-21	.97	10-68	.49	65-53	20-63				
					12	3			15	
					46	4			50	
					58	7			65	7-60
					89-23	10-77				
25	15	22	137	6	507	143			855	
2-92	1-75	2-57	16-02	.70	59-29	16-73				

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES					
FLAKE BLADES	2			2	
BLADES	4			4	
BLADELETS					
TOTAL	6			6	
%	59				

LEVEL XVII
SQ. F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3	2.04							
LEVALLOIS FLAKE									
LEVALLOIS BLADE	11	7.48	12	8	20	10.93	10	5.46	1
LEVALLOIS POINT									
PYRAMIDAL	22	14.97	1	20	21	11.48	15	8.19	3
PRISMATIC - 1 PLATFORM	34	23.13		34	34	18.58	31	16.94	5
PRISMATIC - 2 PLATFORMS	53	36.05		106	106	57.92	41	22.40	2
GLOBULAR	1	.68							
SHAPELESS	2	1.36		2	2	1.09			
DEBRIS	21	14.29							
TOTAL	147		13	170	183		97	53.01	14

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM.C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
65	11	12	8	43	11		150	3	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
		1					

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL
1	5	6

RED OCHRE

TOTAL
1

LEVEL XVII
SOS F3

TYPES	DEBITAGE										TOOLS				BUTTS							MISCELLANEOUS																
	Whole	Frag.	LEV. POINT	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	THERM. FRACTURES					
1	4			39	43	1	43	32									162	24.11	6	5	2	38	2	32	2		87	21	3			7						
2			6	14		7	5										32	4.76	1			6	4	2			13	5	1	2		11						
3				8		5											13	1.93										5	1									
4			7	9		2											18	2.68	1			3	1	1	1		7	6				1						
5			6	1													7	1.04				3		3			6	4										
6																																						
7																																						
8																																						
9																																						
10						2											2	.29				1																
11						2	2										7	1.04	1			2		1					2									
12																																						
13																																						
14																																						
15																																						
16						1											1	.15																				
17																																						
18																																						
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22																																						
23																																						
24																																						
25						1																																
26																																						
27																																						
28																																						

DEBITAGE TOOLS BUTTS MISCELLANEOUS

TYPES	LEV. POINT		FLAKES		FLAKES		LEV. BLADES		BLADES		BLADETS		TOTAL	
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	%
29 BURIN ON A STRAIGHT RET. TRUNC	1													1 .15
30 BURIN ON AN OBLIQUE RET. TRUNC					1				1					2 .29
31 BURIN ON A CONCAVE RET. TRUNC			1											1 .15
32 BURIN ON A CONVEX RET. TRUNC														
33 MULTIPLE BURIN														
34 MIXED BURIN					1									1 .15
35 BURIN ON A LATERAL PRÉP.														
36 KSAR'AKIL POINT														
37 BACKED PIECE							3	5						8 1.19
38 PARTIALLY BACKED PIECE			1	1			81	75	4	2	164	24.40		
39 BACKED PIECE							20	24			44	6.55		
40 STRAIGHT RET. TRUNCATION							1	1			2	.29		
41 OBLIQUE RET. TRUNCATION			1	2			12	9			24	3.57		
42 CONCAVE RET. TRUNCATION				2			3	1			6	.89		
43 CONVEX RET. TRUNCATION				2			7	1			10	1.49		
44 TRUNCATION								2			2	.29		
45 AURIGNACIAN BLADE														
46 POINT A & FACE PLANE							16	5			21	3.13		
47 BLADE POINTED BY RET							58	39			97	14.43		
48 NOTCHED PIECE			2	2			6	2			12	1.79		
49 DENTICULATED PIECE			1	3				1			5	.74		
50 SPLINTERED PIECE			1					1			2	.29		
51 SIDE SCRAPER			4	1			1				6	.89		
52 TRUNCATED BLADELET														
53 BLADELET WITH INVERSE RET														
54 DIVERS			1	3			1	5			1	1	2	.29
TOTAL	1	4	2	71	98	1	265	221	5	4	672			
%	.15	.59	.29	10.57	14.58	.15	39.43	32.86	.74	.59				

TYPES	CONVEX		FACETED		STRAIGHT		DIEDRAL		PLAIN		NATURAL		PUNCTI-FORM		LINEAR		BROKEN		TOTAL		
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	
29 BURIN ON A STRAIGHT RET. TRUNC																					
30 BURIN ON AN OBLIQUE RET. TRUNC			1																		
31 BURIN ON A CONCAVE RET. TRUNC																					
32 BURIN ON A CONVEX RET. TRUNC																					
33 MULTIPLE BURIN																					
34 MIXED BURIN																					
35 BURIN ON A LATERAL PRÉP.																					
36 KSAR'AKIL POINT																					
37 BACKED PIECE																					
38 PARTIALLY BACKED PIECE			2	5	3	11															
39 BACKED PIECE			1	1		2															
40 STRAIGHT RET. TRUNCATION																					
41 OBLIQUE RET. TRUNCATION					1	1															
42 CONCAVE RET. TRUNCATION					1	1															
43 CONVEX RET. TRUNCATION					1	1															
44 TRUNCATION							2														
45 AURIGNACIAN BLADE																					
46 POINT A & FACE PLANE									1												
47 BLADE POINTED BY RET			2	2	2	2															
48 NOTCHED PIECE																					
49 DENTICULATED PIECE									5												
50 SPLINTERED PIECE									1												
51 SIDE SCRAPER																					
52 TRUNCATED BLADELET																					
53 BLADELET WITH INVERSE RET									4												
54 DIVERS																					
TOTAL			15	18	7	84	3	238	54	48	11	6	42	7.14	1.64	4.8	1	419			
%			3.59	4.31	1.67	20.09	.72	56.94	12.92	11.2	2.6	1.4	9.8	17.1	3.8	10.5	2.3	93.8			

TYPES	LEV. POINT		FLAKES		FLAKES		LEV. BLADES		BLADES		BLADETS		TOTAL	
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	%
29 BURIN ON A STRAIGHT RET. TRUNC	1													1 .15
30 BURIN ON AN OBLIQUE RET. TRUNC					1				1					2 .29
31 BURIN ON A CONCAVE RET. TRUNC			1											1 .15
32 BURIN ON A CONVEX RET. TRUNC														
33 MULTIPLE BURIN														
34 MIXED BURIN					1									1 .15
35 BURIN ON A LATERAL PRÉP.														
36 KSAR'AKIL POINT														
37 BACKED PIECE							3	5						8 1.19
38 PARTIALLY BACKED PIECE			1	1			81	75	4	2	164	24.40		
39 BACKED PIECE							20	24			44	6.55		
40 STRAIGHT RET. TRUNCATION							1	1			2	.29		
41 OBLIQUE RET. TRUNCATION			1	2			12	9			24	3.57		
42 CONCAVE RET. TRUNCATION				2			3	1			6	.89		
43 CONVEX RET. TRUNCATION				2			7	1			10	1.49		
44 TRUNCATION								2			2	.29		
45 AURIGNACIAN BLADE														
46 POINT A & FACE PLANE							16	5			21	3.13		
47 BLADE POINTED BY RET							58	39			97	14.43		
48 NOTCHED PIECE			2	2			6	2			12	1.79		
49 DENTICULATED PIECE			1	3				1			5	.74		
50 SPLINTERED PIECE			1					1			2	.29		
51 SIDE SCRAPER			4	1			1				6	.89		
52 TRUNCATED BLADELET														
53 BLADELET WITH INVERSE RET														
54 DIVERS			1	3			1	5			1	1	2	.29
TOTAL	1	4	2	71	98	1	265	221	5	4	672			
%	.15	.59	.29	10.57	14.58	.15	39.43	32.86	.74	.59				

SEMI-ABRUPT DISCONTINUOUS RETOUCH

LEVEL xvii
SQ. F3

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRIDGE	LEVALLOIS		RETOUCH						MISCELLANEOUS		BUTTS						MISCELLANEOUS							
	LEVALLOIS	NON LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES																								
FRAGS		2	2						2	8-69											1	1		
BLADES		6	3	1			2		6	26-09					1		4		1	6				
FRAGS		14	11	1	2				14	60-87					1	2	4			7				1
BLADELETS		1	1						1	4-35						1				1				
FRAGS			17	2	2	2	2		23						2	7				14	1	1	1	
TOTAL		23	73-91	8-69	8-69	8-69	8-69							14-29	50-00	28-57	7-14				4-35	4-35	4-35	
%																								

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	8	16	24	
DIS. FRAGS	6			
MES. FRAGS	4		4	
PROX. FRAGS	2	7	9	
TOTAL 1	20	23	43	.49
%	46.51	53.49		
FLAKES	31	400	431	
DIS. FRAGS		6	6	
MES. FRAGS	9	2571	2580	
PROX. FRAGS	59	2242	2301	
TOTAL 2	99	5219	5318	61.67
%	1.86	98.14		
FLAKE BLADES		475	475	
DIS. FRAGS		15	15	
MES. FRAGS		543	543	
PROX. FRAGS	13	706	719	
TOTAL 3	13	1739	1752	20.32
%	.74	99.26		
BLADES		170	170	
DIS. FRAGS		80	80	
MES. FRAGS		206	206	
PROX. FRAGS	5	445	450	
TOTAL 4	5	901	906	10.51
%	.55	99.45		
BLADELETS		74	74	
DIS. FRAGS		5	5	
MES. FRAGS		307	307	
PROX. FRAGS		218	218	
TOTAL 5		604	604	7.00
%		100		
TOTAL 1-5	137	8486	8623	
%	1.59	98.41		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
2	1		5	16					24	
			3	6					9	
2	1	8	22						33	.68
6.06	3.03	24.24	66.67							
7	3	25	166	9	139	82			431	
69	35	156	640	52	947	402			2301	
76	38	181	806	61	1086	484			2732	56.09
2.78	1.39	6.63	29.50	2.23	39.75	17.72				
8	5	7	72	3	265	115			475	
9	3	11	145	1	403	147			719	
17	8	18	217	4	668	262			1194	24.51
1.42	.67	1.51	18.17	.34	55.95	21.94				
			1	21		105	43		170	
11	3	4	45	3	298	86			450	
11	3	5	66	3	403	129			620	12.73
1.77	.48	.81	10.65	.48	65.00	20.81				
				2		60	12		74	
1		1	9		186	21			218	
1		1	11		246	33			292	5.99
.34		.34	3.77		84.25	11.30				
107	50	213	1122	68	2403	908			4871	
2.19	1.03	4.37	23.03	1.39	49.33	18.64				

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES					
FLAKE BLADES					
BLADES			3	3	
BLADELETS					
TOTAL			3	3	
%			.03		

LEVEL XVII
SQ. F3

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	6	1.08							
LEVALLOIS FLAKE	1	.18	1		1	.21			
LEVALLOIS BLADE	25	4.49	26	20	46	9.60	19	3.97	1
LEVALLOIS POINT	2	.36	2		2	.42	2	.42	
PYRAMIDAL	84	15.08	13	70	83	17.33	30	6.26	3
PRISMATIC - 1 PLATFORM	78	14.10		78	78	16.28	51	10.65	6
PRISMATIC - 2 PLATFORMS	133	23.88		266	266	55.53	87	18.16	8
GLOBULAR	4	.72							2
SHAPELESS	6	1.08		3	3	.63			
DEBRIS	218	39.14							3
TOTAL	557		42	437	479		189	39.46	23

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM.C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
423	128	15	13	95	47	156	21	898	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
	3	2					

HAMMERSTONES

WHOLE	FRAG.	TOTAL
8		8

PEBBLES

WHOLE	FRAG.	TOTAL
7	5	12

RED OCHRE

TOTAL

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPES	DEBITAGE										TOOLS										BUTTS										MISCELLANEOUS									
	Whole	Frag.	Whole	Frag.	LEV. FLAKES	Frag.	Whole	FLAKES	Frag.	Whole	LEV. BLADES	Frag.	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	Whole	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	THERM. FRACTURES				
1 END - SCRAPER	2		13	16									13	25						69	1927	3	3	3		5									5	11		2		
2 ATYPICAL END - SCRAPER			3	3									5	4						15	429					3									1		1			
3 DOUBLE END - SCRAPER													2							2	.57																			
4 OGIVAL SCRAPER			3	4									3	2						12	343	1			1	2		2							1		1			
5 END - SCRAPER			1																	1	.29																			
6 END - SCRAPER ON AN AURIG. BLADE																																								
7 FRONT CARINAT END - SCRAPER																																								
8 LAT. CARINAT END - SCRAPER																																								
9 A TYP. CARINAT END - SCRAPER																																								
10 THICK NOSED END - SCRAPER				3																3	.86														1		1			
11 SHOULDERED END - SCRAPER			1	1																2	.57							1							1		1			
12 REVERSE SCRAPER END - SCRAPER																																								
13 CHAM. PIECE OBLIQUE RET. TRUNC																																								
14 CHAM. PIECE ON LATERAL PREP.																																								
15 CHAM. PIECE ON LAVERE RET. TRUNC																																								
16 CHAM. PIECE ON COVEY RET. TRUNC																																								
17 MULTIPLE CHAM. PIECE																																								
18 END - SCRAPER																																								
19 END - SCRAPER TRUNCATED BLADE																																								
20 BURIN TRUNCATED BLADE																																								
21 PIERCER																																								
22 DIHEDRAL STRAIGHT BURIN																																								
23 DIHEDRAL ASYM. BURIN																																								
24 DIHEDRAL ANGLE BURIN ON A BREAK																																								
25 DIHEDRAL BURIN ON A BREAK																																								
26 DIHEDRAL BURIN																																								
27 CARINATED BURIN																																								
28 FLAT - FACED CARINAT. BURIN																																								

SEMI-ABRUPT DISCONTINUOUS RETOUCH

MISCELLANEOUS
BUTTS

RETOUCH
TECHNOLOGY

DEBRISAGE	LEVALLOIS		NON - LEVALLOIS		RETOUCH TECHNOLOGY								MISCELLANEOUS										
	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	1 edge	INVERSE	2 edges	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC PATINA	THERM. FACTURES	
POINTS																							
FRAGS																							
FLAKES	3									3	12-50		1						3				
FRAGS	1									1	4-17												1
BLADES	4									7	29-17		1	1		4	1		7				
FRAGS	11									13	54-17			1		1			2				
BLADELETS																							
FRAGS																							
TOTAL	2	22	19	1	4	24				2	1	1	2	2	5	1		12				1	
%	8-33	91-67	79-17	4-17	16-67					16-67	8-33	8-33	16-67	41-67	8-33							4-17	

LEVEL XVI
SO E4,F4 and F3

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	4	6	10	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	4	6	10	1-14
%	40-00	60-00		
FLAKES	18	166	184	
DIS. FRAGS		7	7	
MES. FRAGS		19	19	
PROX. FRAGS	10	59	69	
TOTAL 2	28	251	279	31-85
%	9-10	90-90		
FLAKE BLADES	6	148	154	
DIS. FRAGS		6	6	
MES. FRAGS		7	7	
PROX. FRAGS		12	12	
TOTAL 3	6	173	179	20-43
%	3-35	96-65		
BLADES	2	315	317	
DIS. FRAGS		47	47	
MES. FRAGS		34	34	
PROX. FRAGS		74	74	
TOTAL 4	2	470	472	42-47
%	.42	99-58		
BLADELETS		25	25	
DIS. FRAGS		4	4	
MES. FRAGS		2	2	
PROX. FRAGS		5	5	
TOTAL 5		36	36	4-11
%		100		
TOTAL 1-5	40	936	976	
%	4-57	95-43		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
3	2			5					10	
3	2			5					10	1-18
30-00	20-00			50-00						
38	13	13		66	2	38	11	3	184	
12	4	6		17		24	7		70	
50	17	19		83	2	62	18	3	254	29-88
19-69	6-69	7-48		32-68	.79	24-41	7-09	1-18		
12	9	4		30	2	79	17		153	
				4		7	1		12	
12	9	4		34	2	86	18		165	19-41
7-27	5-45	2-42		20-61	1-21	52-12	10-91			
9	8	4		16	2	237	40	1	317	
		2	5	4		54	9		74	
9	10	9	20	2	291	49	1	391	46-00	
2-30	2-56	2-30	5-12	.51	74-42	12-53	.26			
						25			25	
						5			5	
						30			30	3-53
74	38	32		142	6	469	85	4	850	
8-71	4-47	3-76		16-71	.71	55-18	10-00	.47		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	22		13	35	
FLAKE BLADES	21		6	27	
BLADES	22		18	40	
BLADELETS					
TOTAL	65		37	102	
%	7-42		4-22		

LEVEL XVI
SQ. E4, F4 and F3

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	13	13.98							
LEVALLOIS FLAKE	1	1.08							
LEVALLOIS BLADE	6	6.45	6	2	8	8.89	3	3.33	
LEVALLOIS POINT									
PYRAMIDAL	12	12.90	1	11	12	13.33	6	6.67	1
PRISMATIC - 1 PLATFORM	12	12.90		12	12	13.33	7	7.78	1
PRISMATIC - 2 PLATFORMS	29	31.18		58	58	64.44	18	20.00	2
GLOBULAR	1	1.08							
SHAPELESS	2	2.15							
DEBRIS	17	18.28							
TOTAL	93		7	83	90		34	36.67	4

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
77	12	5	7	27	12		120	7	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
	1						1

HAMMERSTONES

WHOLE	FRAG.	TOTAL
1		1

PEBBLES

WHOLE	FRAG.	TOTAL
6		6

RED OCHRE

TOTAL
1

LEVEL XVI
SOS E 4

TYPES	DEBITAGE										TOOLS						BUTTS						MISCELLANEOUS											
	Whole	Frag.	Whole	LEV. FLAKES	Frag.	Whole	LEV. BLADES	Frag.	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	Whole	TOTAL %	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti	Linear	Broken	Total	Cortex	Crested	Blades	Sec. Patina	Therm. Fractures			
1 END - SCRAPER	1		6	7	8	6	8	6	8	6	28	12.96					2				1	9	1	2	15	4	2							
2 ATYPICAL END - SCRAPER			2	2	1		1		5	2.31										2			1	3		1								
3 DOUBLE END - SCRAPER			2	2	2	2	2	2	8	3.70										1	1	1	4			1								
4 OGIVAL SCRAPER			1			1			1	.46											1													
5 END - SCRAPER ON A RET. FLAKE																																		
6 END - SCRAPER ON AN AURIG. BLADE																																		
7 FRONT. CARINAT END - SCRAPER																																		
8 LAT. CARINAT END - SCRAPER																																		
9 END P. CARINAT END - SCRAPER																																		
10 THICK NOSED END - SCRAPER				2																														
11 SHOULDERED END - SCRAPER			1	1																														
12 INVERSE END - SCRAPER																																		
13 CHAM PIECE BLIQUE REC. TRUNC ON LATERAL PREP.																																		
14 CHAM PIECE CONCAVE RET. TRUNC																																		
15 CHAM PIECE CONVEX RET. TRUNC																																		
16 MULTIPLE END - SCRAPER																																		
17 END - SCRAPER TRUNCATED BLADE																																		
18 BURIN TRUNCATED BLADE																																		
19 BURIN TRUNCATED BLADE																																		
20 BURIN TRUNCATED BLADE																																		
21 BURIN TRUNCATED BLADE																																		
22 DIHEDRAL BURIN STRAIGHT																																		
23 DIHEDRAL BURIN ASYM.																																		
24 DIHEDRAL BURIN ANGLE																																		
25 DIHEDRAL BURIN WITH A BREAK																																		
26 DIHEDRAL BURIN																																		
27 CARINATED BURIN																																		
28 FLAT - FACED CARINAT. BURIN																																		

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRIDGE.	LEVALLOIS		RETETCH							BUTTS				MISCELLANEOUS										
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES		1	1							1	5.88	1								1				
FRAGS		1	1							1	5.88													
BLADES		2	1			1				2	11.76						2			2				
FRAGS		13	11	1	1	1				13	76.47				1		1			2				
BLADELETS																								
FRAGS																								
TOTAL		17	14	1	2					17		1			1		3			5				1
%			82.35	5.88	11.76							20.00			20.00		60.00							5.88

LEVEL XVI
SO E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%	
POINTS	1		1		
DIS. FRAGS					
MES. FRAGS					
PROX. FRAGS					
TOTAL	1	1	1	25	
%			100		
FLAKES	8	71	79		
DIS. FRAGS		2	2		
MES. FRAGS		6	6		
PROX. FRAGS		20	20		
TOTAL	2	8	99	107	26 28
%	7.4 8	92.52			
FLAKE BLADES	2	9 6	9 8		
DIS. FRAGS					
MES. FRAGS		1	1		
PROX. FRAGS		2	2		
TOTAL	3	2	99	101	25.18
%	1.9 8	98.02			
BLADES		12 4	12 4		
DIS. FRAGS		17	17		
MES. FRAGS		12	12		
PROX. FRAGS		20	20		
TOTAL	4	17 3	17 3	43.14	
%		100			
BLADELETS		18	18		
DIS. FRAGS		1	1		
MES. FRAGS					
PROX. FRAGS					
TOTAL	5	19	19	47.4	
%					
TOTAL	1-5	11	39 0	40 1	
%	2.7 4	97.26			

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
1									1	
1									1	28
100										
15	3	8	25	23	3	2	79			
1	1	3	7	8	1	21				
16	4	11	32	31	4	2	100	27.55		
16.00	4.00	11.00	32.00	31.00	4.00	2.00				
7	5	3	15	1	56	11	98			
				2				2		
7	5	3	17	1	56	11	100	27.55		
7.00	5.00	3.00	17.00	1.00	56.00	11.00				
1	3	2	6	101	11	124				
		2	1	14	3	20				
1	3	4	7	115	14	144	39.67			
.69	2.08	2.78	4.86	79.86	9.72					
				18		18				
					18		18	4.96		
25	12	18	56	1	220	29	2	363		
6.89	3.31	4.96	15.43	.28	60.61	7.99	.55			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	5		1	6	
FLAKE BLADES	13		1	14	
BLADES	10		4	14	
BLADELETS					
TOTAL	28		6	34	
%	6.98		1.49		

LEVEL XVI
SQ. E4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	8	22.86							
LEVALLOIS FLAKE									
LEVALLOIS BLADE	1	2.86	1	1	2	8.00			
LEVALLOIS POINT									
PYRAMIDAL	8	22.86		8	8	32.00	4	16.00	
PRISMATIC - 1 PLATFORM	3	8.57		3	3	12.00	1	4.00	
PRISMATIC - 2 PLATFORMS	6	17.14		12	12	48.00	2	8.00	
GLOBULAR									
SHAPELESS									
DEBRIS	9	25.71							
TOTAL	35	100	1	24	25	100	7	28.00	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
25	5	1	5	5	3		44		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
	1						1

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

DEBITAGE TOOLS BUTTS MISCELLANEOUS

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		TOTAL		%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti- form	Linear	Broken	TOTAL	CORTEX	CRESTED BLADES	SEC. PATINA	THERM. FRACTURES								
	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.																							
1 END - SCRAPER					5	9			4	15			33	3402				2		3						1	7										
2 ATYPICAL END - SCRAPER			1	1			3	4					9	928						1	1																
3 DOUBLE END - SCRAPER										1			1	1-03																							
4 OGIVAL END - SCRAPER			1	2					1				4	4-12						1	1																
5 END - SCRAPER ON A RET. FLAKE																																					
6 END AN SCRAPER																																					
7 FRONT CARINAT END - SCRAPER																																					
8 LAT. CARINAT END - SCRAPER																																					
9 A.TYP. CARINAT END - SCRAPER																																					
10 THICK NOSED END - SCRAPER							1																														
11 SHOULDERED SCRAPER																																					
12 INVERSE END - SCRAPER																																					
13 CHAM. PIECE OBLIQUE RET. TRUNC																																					
14 CHAM. PIECE ON LATERAL PREP.																																					
15 CHAM. PIECE CONCAVE RET. TRUNC																																					
16 CHAM. PIECE NOT RET. TRUNC																																					
17 CHAM. PIECE CHAM. PIECE																																					
18 END - SCRAPER BURIN						1																				1											
19 END - SCRAPER TRUNCATED BLADE																																					
20 BURIN TRUNCATED BLADE																																					
21 PIERCER																																					
22 DIHEDRAL STRAIGHT BURIN																																					
23 DIHEDRAL ASYM. BURIN																																					
24 ANGULAR BURIN																																					
25 DIHEDRAL BURIN ON A BREAK										2																											
26 MULTIPLE DIHEDRAL BURIN																																					
27 CARINATED BURIN																																					
28 CARINAT. BURIN FACED																																					

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

·DEBITAGE·	LEVALLOIS		NON-LEVALLOIS		RETOUCH							BUTTS		MISCELLANEOUS										
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	faceted	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES	2		2						2	28.57	1			1						2				
FRAGS																								
BLADES		5	3						2	71.43					1	1	2	1		5				
FRAGS																								
BLADELETS																								
FRAGS																								
TOTAL	2	5	5			2			2	7	1	1	1	1	1		2	1		7				
%	28.57	71.43	71.43			28.57			28.57		14.29	14.29	14.29	14.29	14.29		28.57	14.29						

LEVEL XVI
SQ F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	2	6	8	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	2	6	8	1-6.8
0/0	25-00	75-00		
FLAKES	10	66	76	
DIS. FRAGS		3	3	
MES. FRAGS		11	11	
PROX. FRAGS	8	34	42	
TOTAL 2	18	114	132	27.67
0/0	13-64	86-36		
FLAKE BLADES	4	37	41	
DIS. FRAGS		5	5	
MES. FRAGS		5	5	
PROX. FRAGS		10	10	
TOTAL 3	4	57	61	12.79
0/0	6-56	93-44		
BLADES	2	163	165	
DIS. FRAGS		25	25	
MES. FRAGS		15	15	
PROX. FRAGS		54	54	
TOTAL 4	2	257	259	54.29
0/0	.77	99-23		
BLADELETS		7	7	
DIS. FRAGS		3	3	
MES. FRAGS		2	2	
PROX. FRAGS		5	5	
TOTAL 5		17	17	3-56
0/0				
TOTAL 1-5	26	451	477	
0/0	5-45	94-55		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
2	1			5					8	
2	1			5					8	1-97
25-00	12-50			62-50						
21	8	5		28		10	3	1	76	
10	2	3		8		15	4		42	
31	10	8		36		25	7	1	118	28-99
26-27	8-47	6-78		30-51		21-19	5-93	-84		
5	2			11	1	16	5		40	
				2		7	1		10	
5	2			13	1	23	6		50	12-29
10-00	4-00			26-00	2-00	46-00	12-00			
7	5	2		9	2	119	20	1	165	
	2	3		3		40	6		54	
7	7	5		12	2	159	26	1	219	53-81
3-19	3-19	2-28		5-48	.91	72-60	11-87	-46		
						7			7	
						5			5	
						12			12	2-95
45	20	13		66	3	219	39	2	407	
11-06	4-91	3-19		16-22	.74	53-81	9-58	-49		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	9		8	17	
FLAKE BLADES	6		2	8	
BLADES	10		13	23	
BLADELETS					
TOTAL	25		23	48	
0/0	5-24		4-82		

LEVEL XVI
SQ. F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	1	3.13							
LEVALLOIS FLAKE									
LEVALLOIS BLADE	4	12.50	4	1	5	15.15	3	9.09	
LEVALLOIS POINT									
PYRAMIDAL	3	9.38		3	3	9.09	2	6.06	
PRISMATIC - 1 PLATFORM	9	28.13		9	9	27.27	6	18.18	1
PRISMATIC - 2 PLATFORMS	8	25.00		16	16	48.48	4	12.12	2
GLOBULAR	1	3.13							
SHAPELESS	1	3.13							
DEBRIS	5	15.63							
TOTAL	32		4	29	33		15	45.45	3

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS. 1 PLAT.	PRIS. 2 PLAT.					
37	5	4	2	18	8		74	4	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

PEBBLES

RED OCHRE

WHOLE	FRAG.	TOTAL
1		1

WHOLE	FRAG.	TOTAL
2		2

TOTAL
1

LEVEL XVI
SOS F3

TYPE	DEBITAGE										TOOLS							BUTTS								MISCELLANEOUS													
	LEV. POINT	Whole	Frag.	LEV. FLAKES	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	Convex	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	FRACTURES					
	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	%																				
1	END - SCRAPER																	8	2.922	1	1	1	1	1	1														
2	ATYPICAL END - SCRAPER																		1	2.78																			
3	DOUBLE SCRAPER																		1																				
4	OGIVAL SCRAPER																																						
5	END - SCRAPER ON A RET. FLAKE																																						
6	END - SCRAPER ON AN AURIG. BLADE																																						
7	FRONT. CARINAT END - SCRAPER																																						
8	END - SCRAPER ON A RET. FLAKE																																						
9	A TYP. CARINAT END - SCRAPER																																						
10	THICK NOSED END - SCRAPER																																						
11	SHOULDERED END - SCRAPER																																						
12	INVERSE SCRAPER																																						
13	END - SCRAPER ON A RET. FLAKE OR BIQUE RET. TRUNC																																						
14	CHAM. PIECE ON LATERAL PREP.																																						
15	CHAM. PIECE CONCAVE RET. TRUNC																																						
16	CHAM. PIECE VOTER. RET. TRUNC																																						
17	CHAM. PIECE ON A RET. FLAKE																																						
18	END - SCRAPER BURIN																																						
19	END - SCRAPER TRUNCATED BLADE																																						
20	BURIN TRUNCATED BLADE																																						
21	PIERCER																																						
22	DIHEDRAL STRAIGHT BURIN																																						
23	DIHEDRAL ASYM. BURIN																																						
24	DIHEDRAL BURIN																																						
25	DIHEDRAL BURIN ON A BREAK																																						
26	MULTIPLE DIHEDRAL BURIN																																						
27	CARINATED BURIN																																						
28	FLAT - FACED CARINAT. BURIN																																						

LEVEL XVI
SO F3

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	1		1	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL	1	1	1	1.02
%				
FLAKES		29	29	
DIS. FRAGS		2	2	
MES. FRAGS		2	2	
PROX. FRAGS	2	5	7	
TOTAL	2	38	40	
%	5.00	95.00		
FLAKE BLADES		15	15	
DIS. FRAGS		1	1	
MES. FRAGS		1	1	
PROX. FRAGS				
TOTAL	3	17	17	17.35
%				
BLADES		28	28	
DIS. FRAGS		5	5	
MES. FRAGS		7	7	
PROX. FRAGS				
TOTAL	4	40	40	40.82
%				
BLADELETS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL	5			
%				
TOTAL 1-5	3	95	98	
%	3.06	96.94		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	%
	1								1	
	1								1	1.25
2	2			13	2	5	5		29	
1	1			2		1	2		7	
3	3			15	2	6	7		36	45.00
8.33	8.33			41.67	5.56	16.67	19.44			
		2	1	4		7	1		15	
		2	1	4		7	1		15	18.75
		13.33	6.67	26.67		46.67	6.67			
1				1		17	9		28	
1				1		17	9		28	35.00
3.57				3.57		60.71	32.14			
4	6	1		20	2	30	17		80	
5.00	7.50	1.25		25.0	2.50	37.50	21.25			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	8		4	12	
FLAKE BLADES	2		3	5	
BLADES	2		1	3	
BLADELETS					
TOTAL	12		8	20	
%	12.24		8.16		

LEVEL XVI
SQ. F3

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	4	15.38							
LEVALLOIS FLAKE	1	3.85							
LEVALLOIS BLADE	1	3.85	1		1	3.13			
LEVALLOIS POINT									
PYRAMIDAL	1	3.85	1		1	3.13			
PRISMATIC - 1 PLATFORM									
PRISMATIC - 2 PLATFORMS	15	57.69		30	30	93.75	12	37.50	
GLOBULAR									
SHAPELESS	1	3.85							
DEBRIS	3	11.54							
TOTAL	26		2	30	32		12	37.50	1

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
15	2			4	1		22	3	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

PEBBLES

RED OCHRE

WHOLE	FRAG.	TOTAL

WHOLE	FRAG.	TOTAL
4		4

TOTAL

LEVEL XV
SOS E4,F4 and F3

DEBITAGE TOOLS BUTTS MISCELLANEOUS

TYPES	LEV POINT			LEV FLAKES			LEV BLADES			BLADES			BLADELETS			TOTAL			BUTTS							MISCELLANEOUS															
	Whole	Frag.		Whole	Frag.		Whole	Frag.		Whole	Frag.		Whole	Frag.		%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti- form	Linear	BROKEN	TOTAL	CORTEX	CRESTED BLADES	SEC. PATINA	THERM. FRACTURES											
	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	11-176										1	1	1													
1 END - SCRAPER																																									
2 ATYPICAL END - SCRAPER																																									
3 DOUBLE END - SCRAPER																																									
4 OGIVAL END - SCRAPER																																									
5 END - SCRAPER ON A RE- SCRAPE																																									
6 END - SCRAPER ON AN AURIG. BLADE																																									
7 FRONT. CARINAT END - SCRAPER																																									
8 LAT. CARINAT END - SCRAPER																																									
9 A.TYP. CARINAT END - SCRAPER																																									
10 END - SCRAPER ON AURIG																																									
11 SHOULDERED END - SCRAPER																																									
12 INVERSE END - SCRAPER																																									
13 CHAM. PIECE OBLIQUE RET. TRUNC																																									
14 CHAM. PIECE OBLIQUE RET. TRUNC																																									
15 CHAM. PIECE CONCAVE RET. TRUNC																																									
16 CHAM. PIECE CONVEX RET. TRUNC																																									
17 MULTIPLE CHAM. PIECE																																									
18 BURIN SCRAPER																																									
19 END - SCRAPER TRUNCATED BLADE																																									
20 BURIN TRUNCATED BLADE																																									
21 PIERCER																																									
22 BURIN STRAIGHT																																									
23 DIHEDRAL BURIN ASYM.																																									
24 DIHEDRAL BURIN ANGLE																																									
25 DIHEDRAL ANGLE BURIN ON A BREAK																																									
26 BURIN ON A BREAK MULIPLE																																									
27 CARINATED BURIN																																									
28 FLAT - FACED CARINAT. BURIN																																									

LEVEL XV
SO. E4, F4 and F3

TYPES	DEBITAGE										TOOLS				BUTTS							MISCELLANEOUS																	
	Whole	Frag	LEV. POINT	Whole	Frag	LEV. FLAKES	Whole	Frag	FLAKES	Whole	Frag	LEV. BLADES	Whole	Frag	BLADES	Whole	Frag	BLADELETS	Frag	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Punctiform	Linear	Broken	Total	Cortex	Chipped	Sec. Patina	Therm.				
29 BURIN ON A STRAIGHT RET. TRUNC							1													1	1.96																		
30 BURIN ON AN OBLIQUE RET. TRUNC																																							
31 BURIN ON A CONCAVE RET. TRUNC																																							
32 BURIN ON A CONVEX RET. TRUNC																																							
33 TRUNCLE BURIN																																							
34 MULTIPLE BURIN					1																																		
35 BURIN ON A LATERAL PREP.																																							
36 KSAR AKIL POINT																																							
37 BACKED PIECE																																							
38 FULLY BACKED PIECE																																							
39 DOUBLE PART BACKED PIECE																																							
40 STRAIGHT RET TRUNCATION					2																																		
41 OBLIQUE RET TRUNCATION																																							
42 CONCAVE TRUNCATION					1																																		
43 CONVEX TRUNCATION																																							
44 DOUBLE TRUNCATION																																							
45 ADRIGNACIAN BLADE																																							
46 POINT A & FACE																																							
47 POINT BY RET NOTCHED PIECE																																							
48 NOTCHED PIECE					1	5	2	1																															
49 DENTICULATED PIECE																																							
50 SPLINTERED PIECE																																							
51 SIDE SCRAPER																																							
52 TRUNCATED BLADELET WITH INVERSE RET																																							
53 BLADELET WITH INVERSE RET																																							
54 DIVERS																																							
TOTAL	2	12	10	1	15	10	1	15	10	1	15	10	1	15	10	1	15	10	1	51	100		7	5	8	11	2	2	35	3	1	3							
%	3.92	23.53	19.61	1.96	29.41	19.61	1.96	29.41	19.61	1.96	29.41	19.61	1.96	29.41	19.61	1.96	29.41	19.61	1.96	51	100		20.58	11.76	23.53	32.35	5.88	5.88	100	5.88	1.96	5.88							

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL xv
SQ E4, F4 and F3

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRIS	LEVALLOIS		NON-LEVALLOIS		1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	FACETED			NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC PATINA	THERM FEATURES
	LEVALLOIS	NON-LEVALLOIS	convex	straight									DIHEDRAL	PLAIN									
POINTS																							
FRAGS																							
FLAKES	1	2	2	1	1	2	2	1	1	2	3	25.00	2	1						3			
FRAGS		2	1	1	1	2	1	1	1	2	2	16.67											
BLADES		5	5	5	1	5	5			2	5	41.47		2						5			
FRAGS		2	1	1	1	2	1	1	1	2	2	16.67											
BLADELETS																							
FRAGS																							
TOTAL	1	11	9	3	3	12	100	25.00	25.00	37.50	100		25.00	37.50						8			
%	8.33	91.67	75.00																	100			

LEVEL XV
SQ E4,F4 and F3

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	15	11	26	
DIS. FRAGS	1	2	3	
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	16	13	29	13:55
%	55.17	44.83	100	
FLAKES	27	54	81	
DIS. FRAGS		11	11	
MES. FRAGS		5	5	
PROX. FRAGS	9	13	22	
TOTAL 2	36	83	119	55.61
%	30.25	69.75	100	
FLAKE BLADES	9	27	36	
DIS. FRAGS		4	4	
MES. FRAGS				
PROX. FRAGS	1		1	
TOTAL 3	10	31	41	19.16
%	24.39	75.61	100	
BLADES		17	17	
DIS. FRAGS		5	5	
MES. FRAGS				
PROX. FRAGS		1	1	
TOTAL 4	23	23	46	10.75
%	100	100		
BLADELETS		2	2	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5		2	2	0.93
%		100	100	
TOTAL 1-5	62	152	214	100
%	28.97	71.03		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	%
13	4		2	5				2	26	
13	4		2	5				2	26	13.97
50.00	15.38		7.69	19.23				7.69		
2.9	10		6	28	1	5	1	1	81	
10	4	1		5		2			22	
39	14	7	33	1	7	1		1	103	55.37
37.86	13.59	6.79	32.04	0.97	6.79	0.97		0.97	100	
9	8	2	8		7	1	1	1	36	
	1									
9	9	2	8		7	1	1	1	37	19.89
24.32	24.32	5.41	21.62		18.92	2.70	2.70	100		
5			3		6	3			27	
					1				1	
5			3		7	3			18	9.67
27.78			16.67		38.87	16.67			100	
					2				2	
					2				2	1.07
									100	
66	27	11	49	1	23	5	4	186	100	
35.48	14.50	5.91	30.07	0.53	12.34	2.67	2.14			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	8		11	19	
FLAKE BLADES	1			1	
BLADES	4	1	1	6	
BLADELETS					
TOTAL	13	1	12	26	
%	6.07	0.47	5.61		

LEVEL XV
SQ. E4, F4 and F3

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	7	36.70							
LEVALLOIS FLAKE	2	10.58							
LEVALLOIS BLADE									
LEVALLOIS POINT	1	5.12							
PYRAMIDAL									
PRISMATIC - 1 PLATFORM	3	15.79		3	3	42.86			
PRISMATIC - 2 PLATFORMS	2	10.58		4	4	57.14			
GLOBULAR	1	5.12							
SHAPELESS	1	5.12							
DEBRIS	2	10.58							
TOTAL	19	100		7	7	100			

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS. 1 PLAT.	PRIS. 2 PLAT.					
			4		3		7		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL
1		1

RED OCHRE

TOTAL

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPES	LEV. POINT			LEV. FLAKES			FLAKES			LEV. BLADES			BLADES			BLADELETS			%																				
	Whole	Frag	Total	Whole	Frag	Total	Whole	Frag	Total	Whole	Frag	Total	Whole	Frag	Total	Whole	Frag	Total	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti- form	Linear	Broken	Total	CORTEX	CRESTED BLADES	SEC. PATINA	THERM FRACTURES							
29 BURIN ON 'A																																							
30 BURIN ON 'AN																																							
31 OBLIQUE RET. TRUNC																																							
32 BURIN ON 'A																																							
33 BURIN ON 'A																																							
34 MULTIPLE BURIN																																							
35 BURIN ON 'A																																							
36 LATERAL PREP.																																							
37 KSAK'AKIL																																							
38 POINT																																							
39 BACKED																																							
40 BENTALLY BACKED PIECE																																							
41 DOUBLE PART BACKED PIECE																																							
42 STRAIGHT RET TRUNCATION																																							
43 OBLIQUE RET TRUNCATION																																							
44 CONCAVE RET TRUNCATION																																							
45 CONVEX RET TRUNCATION																																							
46 DOUBLE RET TRUNCATION																																							
47 AURIGNACIAN BLADE																																							
48 POINT 'A & FACE PLANE																																							
49 BLADE POINTED BY RET																																							
50 NOTCHED PIECE																																							
51 PIECE FACULATED																																							
52 SPINTERED PIECE																																							
53 SIDE SCRAPER																																							
54 TRUNCATED BLADELET																																							
55 BLADELET WITH INVERSE RET																																							
56 DIVERS																																							
TOTAL	1	1				2									1	1										1	1			2							50-00		
%															50-00	50-00														50-00						50-00		50-00	

LEVEL XV
SO
E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	1		1	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL	1		1	5.26
%				
FLAKES	5	9	14	
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS				
TOTAL	2	5	10	15
%	33.33	66.67		78.94
FLAKE BLADES	1	2	3	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL	3	1	2	3
%	33.33	66.66		1.57
BLADES				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL	4			
%				
BLADELETS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL	5			
%				
TOTAL 1-5	7	12	19	
%	36.84	63.16		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	%
	1								1	
	1								1	5.96
4	2	1	6		1			14		
4	2	1	6		1			14	77.78	
28.57	14.29	7.14	42.86		7.14					
1	1				1			3		
1	1				1			3	16.67	
33.33	33.33				33.33					
5	4	1	6		2			18		
27.78	22.22	5.56	33.33		11.11					

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	2			2	
FLAKE BLADES					
BLADES					
BLADELETS					
TOTAL	2			2	
%	10.53				

LEVEL XV
SQ. E4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3	60.0							
LEVALLOIS FLAKE									
LEVALLOIS BLADE									
LEVALLOIS POINT									
PYRAMIDAL									
PRISMATIC - 1 PLATFORM									
PRISMATIC - 2 PLATFORMS	1	20.0		2	2				
GLOBULAR									
SHAPELESS									
DEBRIS	1	20.0							
TOTAL	5			2	2				

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
					2		2		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

PEBBLES

RED OCHRE

WHOLE	FRAG.	TOTAL

WHOLE	FRAG.	TOTAL
1		1

TOTAL

LEVEL XV SOS F4	TYPES	DEBITAGE												TOOLS						BUTTS						MISCELLANEOUS					
		LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		%		CONVEX	FACETED	STRAIGHT	DIEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	THERM. FRACTURES	
		Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Blades	Frag.																Bladelets
1	END - SCRAPER								1				5																		
2	ATYPICAL																														
3	END - SCRAPER																														
4	DOUBLE SCRAPER																														
5	END - SCRAPER																														
6	END - SCRAPER ON A RET. FLAKE																														
7	FRONT. CARINAT ON AN AURIG. BLADE																														
8	END - SCRAPER																														
9	ATYP. CARINAT ON A RET. FLAKE																														
10	THICK NOSED END - SCRAPER																														
11	SHOULDERED END - SCRAPER																														
12	INVERSE END - SCRAPER																														
13	OBLIQUE RET. TRUNC																														
14	CHAM. PIECE ON LATERAL PREP.																														
15	CHAM. PIECE CONCAVE RET. TRUNC																														
16	CHAM. PIECE COVER. RET. TRUNC																														
17	CHAM. PIECE ON LATERAL																														
18	END - SCRAPER BURIN																														
19	END - SCRAPER TRUNCATED BLADE																														
20	BURIN TRUNCATED BLADE																														
21	PIERCER																														
22	DIHEDRAL STRAIGHT BURIN																														
23	DIHEDRAL ASYM. BURIN																														
24	DIHEDRAL BURIN																														
25	MULTIPLE BURIN ON A BREAK																														
26	MULTIPLE DIHEDRAL BURIN									1																					
27	CARINATED BURIN																														
28	FLAT - FACED CARINAT. BURIN																														

LEVEL xv
SQ F4

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

· DEBRISAGE ·	LEVALLOIS		NON-LEVALLOIS		1 edge				2 edges				INVERSE		2 edges		TOTAL		%		MISCELLANEOUS									
	LEVALLOIS	NON-LEVALLOIS	1 edge	2 edges	1 edge	2 edges	1 edge	2 edges	INVERSE	2 edges	TOTAL	convex	faceted	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES						
POINTS																														
FRAGS																														
FLAKES		1	1	25-00	1	1	25-00					1								1										
FRAGS		1	1	25-00	1	1	25-00																							
BLADES		2	2	50-00	2	2	50-00					1						1		2										
FRAGS																														
BLADELETS																														
FRAGS																														
TOTAL		4	2	50-00	2	2	50-00	50-00		4	33-33	1	1	33-33				1		3										
%																														

LEVEL XV
SQ F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	11	10	21	
DIS. FRAGS	1	1	2	
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	12	11	23	15.13
%	52.17	47.83		
FLAKES	16	36	52	
DIS. FRAGS		11	11	
MES. FRAGS		3	3	
PROX. FRAGS	9	13	22	
TOTAL 2	25	63	88	57.89
%	28.41	71.59		
FLAKE BLADES	5	18	23	
DIS. FRAGS		2	2	
MES. FRAGS				
PROX. FRAGS	1	1		
TOTAL 3	6	20	26	17.11
%	28.08	71.92		
BLADES		8	8	
DIS. FRAGS		5	5	
MES. FRAGS				
PROX. FRAGS		1	1	
TOTAL 4		14	14	9.21
%				
BLADELETS		1	1	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5		1	1	0.66
%				
TOTAL 1-5	43	109	152	
%	28.29	71.71		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
10	3		2	4				2	21	
10	3		2	4				2	21	16.27
47.62	14.29		9.52	19.09				9.52		
22	5		4	17		2	1	1	52	
10	4		1	5		2			22	
32	9		5	22		4	1	1	74	57.36
43.24	12.16		6.76	29.73		5.41	1.35	1.35		
4	6		2	7		3		1	23	
	1								1	
4	7		2	7		3		1	24	18.60
16.67	29.17		8.33	29.17		12.50		4.17		
3				1		1	3		8	
						1			1	
3				1		2	3		9	6.98
33.33				11.11		22.22	33.33			
						1			1	0.78
49	19		9	34		10	4	4	129	
37.98	14.73		6.98	26.36		7.75	3.10	3.10		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	4		11	15	
FLAKE BLADES					
BLADES	4	1	1	6	
BLADELETS					
TOTAL	8	1	12	21	
%	5.26	0.66	7.89		

LEVEL XV

SQ.

F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3								
LEVALLOIS FLAKE									
LEVALLOIS BLADE									
LEVALLOIS POINT									
PYRAMIDAL									
PRISMATIC - 1 PLATFORM									
PRISMATIC - 2 PLATFORMS									
GLOBULAR									
SHAPELESS									
DEBRIS									
TOTAL	3	100							

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1PLAT.	PRIS.2PLAT.					
			1		1		2		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPES	DEBITAGE										TOOLS			BUTTS					MISCELLANEOUS																	
	Whole	LEV. POINT	Frag.	Whole	LEV. FLAKES	Frag.	Whole	LEV. BLADES	Frag.	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	TOTAL	%	CONVEX	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	FRACTURES				
1 END - SCRAPER							1								1	4.35								1												
2 ATYPICAL END - SCRAPER																																				
3 DOUBLE SCRAPER							1									1	4.35																			
4 OGIVAL END - SCRAPER																																				
5 END - SCRAPER ON A RET. FLAKE																				1																
6 END - SCRAPER ON AN ADJNG. BLADE																																				
7 POINT SCRAPER																																				
8 LAT - CARINAT																																				
9 A TYP. CARINAT																																				
10 THICK NOSED																																				
11 SHOULDERED																																				
12 INVERSE SCRAPER																																				
13 CHAM. PIECE OBLIQUE RET. TRUNC																																				
14 CHAM. PIECE ON LATERAL PREP.																																				
15 CHAM. PIECE CONCAVE RET. TRUNC																																				
16 CHAM. PIECE CONVEX RET. TRUNC																																				
17 MULTIPLE CHAM. PIECE BURIN SCRAPER																																				
19 END - SCRAPER TRUNCATED BLADE																																				
20 BURIN TRUNCATED BLADE																																				
21 PIERCER																																				
22 BURIN STRAIGHT BURIN																																				
23 DIHEDRAL BURIN ASYM.																																				
24 DIHEDRAL BURIN ANGLE																																				
25 DIHEDRAL BURIN ON A BREAK																																				
26 DIHEDRAL BURIN																																				
27 CARINATED BURIN																																				
28 FLAT - FACED CARINAT. BURIN																																				

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL xv
SQ F3

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRISAGE	LEVALLOIS		NON-LEVALLOIS		1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES		
	1	6	1	1																							
POINTS																											
FRAGS																											
FLAKES	1	1	1	1	2						2	28.57	1	1	1							2		1	1		
FRAGS			1	1	1						1	14.29															
BLADES			3	3	3						3	42.86		1					2			3					
FRAGS			1	1	1						1	14.29															
BLADELETS																											
FRAGS																											
TOTAL	1	6	1	1	7						7		1	2					2			5		1	1		
%	14.29	85.71											20.00	40.00					40.00					14.29	14.29		

LEVEL XV
SQ F3

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	2	1	3	
DIS. FRAGS		1	1	
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	2	2	4	10.26
%	50.00	50.00		
FLAKES	3	9	12	
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS				
TOTAL 2	3	10	13	33.33
%	23.08	76.92		
FLAKE BLADES	3	7	10	
DIS. FRAGS		2	2	
MES. FRAGS				
PROX. FRAGS				
TOTAL 3	3	9	12	30.77
%	25.00	75.00		
BLADES		9	9	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 4		9	9	23.08
%				
BLADELETS		1	1	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5		1	1	2.56
%				
TOTAL 1-5	8	31	39	
%	20.51	79.49		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
3									3	
3									3	8.57
2	2	1	4	1	2				12	
2	2	1	4	1	2				12	34.29
16.67	16.67	8.33	33.33	8.33	16.67					
4	1		1		3	1			10	
4	1		1		3	1			10	28.57
40.0	10.0		10.0		30.0	10.0				
2			2		5				9	
2			2		5				9	25.71
22.2			22.2		55.5					
						1			1	
						1			1	2.86
11	3	1	7	1	11	1			35	
31.42	8.57	2.86	20.0	2.86	31.42	2.86				

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	2			2	
FLAKE BLADES	1			1	
BLADES					
BLADELETS					
TOTAL	3			3	
%	7.69				

LEVEL XV
SQ.

F3

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	1	9.09							
LEVALLOIS FLAKE	2	18.18							
LEVALLOIS BLADE									
LEVALLOIS POINT	1	9.09							
PYRAMIDAL									
PRISMATIC - 1 PLATFORM	3	27.27		3	3	60.0			
PRISMATIC - 2 PLATFORMS	1	9.09		2	2	40.0			
GLOBULAR	1	9.09							
SHAPELESS	1	9.09							
DEBRIS	1	9.09							
TOTAL	11			5	5				

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
			3				3		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

PEBBLES

RED OCHRE

WHOLE	FRAG.	TOTAL

WHOLE	FRAG.	TOTAL

TOTAL

LEVEL xv
SQ
· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRISAGE	LEVALLOIS		NON-LEVALLOIS		RETOUCH						BUTTS		MISCELLANEOUS												
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES		
POINTS																									
FRAGS																									
FLAKES																									
FRAGS																									
BLADES																									
FRAGS																									
BLADELETS																									
FRAGS																									
TOTAL																									
%																									

LEVEL XV
SQ

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	1		1	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	1		1	25.00
0/0				
FLAKES	3		3	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 2	3		3	75.00
0/0				
FLAKE BLADES				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 3				
0/0				
BLADES				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 4				
0/0				
BLADELETS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5				
0/0				
TOTAL 1-5	4		4	100
0/0				

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
				1					1	
				1					1	25.00
1	1			1					3	
1	1			1					3	75.00
3.3.3.3	3.3.3.3			3.3.3.3						
1	1			2					4	
2.5.00	2.5.00			50.00						

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES					
FLAKE BLADES					
BLADES					
BLADELETS					
TOTAL					
0/0					

LEVEL XIV
SOS E4

TYPES	DEBITAGE										TOOLS				BUTTS						MISCELLANEOUS												
	Whole	Frag.	LEV. FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	CONVEX	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED BLADES	SEC. PATINA	FRACTURES THERM.				
1				1									1	2	14-29					1													
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	
17																																	
18																																	
19																																	
20																																	
21																																	
22																																	
23																																	
24																																	
25																																	
26																																	
27																																	
28																																	

LEVEL XIV
SQ. E4

TYPES	DEBITAGE											TOOLS				BUTTS							MISCELLANEOUS															
	LEV. POINT	Whole	Frag	LEV. FLAKES	Whole	Frag	LEV. BLADES	Whole	Frag	BLADES	Whole	Frag	BLADELETS	Whole	Frag	TOTAL	%	CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTX	CRESTED	BLADES	SEC. PATINA	THERM						
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	%	CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTX	CRESTED	BLADES	SEC. PATINA	THERM						
29 BURIN ON AN. TRUNC. STRAIGHT ON REF. TRUNC.																1	7.14																					
30 BURIN ON AN. TRUNC. OBLIQUE RET. TRUNC.										1						1	7.14																					
31 BURIN ON A. CONCAVE RET. TRUNC.																																						
32 BURIN ON A. CONVEX RET. TRUNC.																																						
33 MULTIPLE BURIN																																						
34 MIXED BURIN																																						
35 BURIN ON A. LATERAL PRÉP.																																						
36 KSAR AKIL POINT																																						
37 BACKED PIECE																																						
38 BACKED PIECE																																						
39 DOUBLE PART BACKED PIECE																																						
40 STRAIGHT TRUNCATION RET.																																						
41 OBLIQUE TRUNCATION RET.																																						
42 CONCAVE TRUNCATION RET.																																						
43 CONVEX TRUNCATION RET.																																						
44 DOUBLE TRUNCATION																																						
45 AURIGNACIAN BLADE																																						
46 POINT A																																						
47 POINT BY RET																																						
48 NOTCHED PIECE																																						
49 DENTICULATED PIECE																																						
50 SPLINTERED PIECE																																						
51 SCAPER																																						
52 TRUNCATED BLADELET																																						
53 BLADELET WITH INVERSE RET																																						
54 DIVERS																																						
TOTAL																																						
%																																						

MISCELLANEOUS

BUTS

RETOUCH

TECHNOLOGY

DEBRIS	LEVALLOIS		RETOUCH						BUTS		MISCELLANEOUS													
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES		1				1														1				
FRAGS		1				1																		
BLADES		2	2																	2				
FRAGS		2	1			1															2			
BLADELETS																								
FRAGS		6	3			3															3			
TOTAL			50.0			50.0															3			
%																						16.67		

LEVEL XIV
SO E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	5	3	8	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1	5	3	8	15.09
%	62.50	37.50		
FLAKES	6	10	16	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS	1	1	2	
TOTAL 2	7	11	18	33.96
%	38.89	61.11		
FLAKE BLADES	6	7	13	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 3	6	7	13	24.53
%	46.15	53.85		
BLADES	5	6	11	
DIS. FRAGS		1	1	
MES. FRAGS				
PROX. FRAGS				
TOTAL 4	5	7	12	22.69
%	41.67	58.33		
BLADELETS		2	2	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5		2	2	3.77
%				
TOTAL 1-5	23	30	53	
%	43.39	56.60		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
5	1			2					8	
5	1			2					8	15.38
62.50	12.50			25.00						
7	4			3		1		1	16	
1	1								2	
8	5			3		1		1	18	34.62
44.44	27.78			16.67		5.56		5.56		
5	2			4		1	1		13	
5	2			4		1	1		13	25.00
38.46	15.38			30.77		7.69	7.69			
5	2					4			11	
5	2					4			11	21.15
45.45	18.18					36.36				
						2			2	
						2			2	3.85
23	10			9		8	1	1	52	
44.23	19.23			17.31		15.38	1.92	1.92		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS			1	1	
FLAKES	1			1	
FLAKE BLADES			1	1	
BLADES			2	2	
BLADELETS					
TOTAL	1		4	5	
%	1.89		7.55		

LEVEL XIV
SQ. E4

CORE TYPE.

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	2	50.00							
LEVALLOIS FLAKE									
LEVALLOIS BLADE									
LEVALLOIS POINT									
PYRAMIDAL									
PRISMATIC - 1 PLATFORM									
PRISMATIC - 2 PLATFORMS	2	50.00		4					
GLOBULAR									
SHAPELESS									
DEBRIS									
TOTAL	4			4					

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
3		1		1			5		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

LEVEL XIII
SOS E4,F4 and F3

DEBITAGE

TOOLS

BUTTS

MISCELLANEOUS

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		TOTAL		%	CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED BLADES	SEC. PATINA	THERM. FRACTURES			
	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.																		
1	END - SCRAPER				2		2		2		2		6	4.62											1							
2	ATYPICAL				1								1	0.77								2			2							
3	DOUBLE																															
4	END - SCRAPER																															
5	END - SCRAPER																															
6	END - SCRAPER																															
7	FRONT. CARINAT																															
8	LAT. CARINAT																															
9	END - SCRAPER																															
10	THICK NOSED																															
11	SHOULDERED																															
12	INVERSE																															
13	CHAM. PIECE																															
14	CHAM. PIECE																															
15	CHAM. PIECE																															
16	CHAM. PIECE																															
17	MULTIPLE																															
18	END - SCRAPER																															
19	END - SCRAPER																															
20	BURIN																															
21	PIERCER																															
22	DIHEDRAL																															
23	DIHEDRAL																															
24	DIHEDRAL																															
25	DIHEDRAL																															
26	MULTIPLE																															
27	CARINATED																															
28	FLAT - FACED																															

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPES	LEV. POINT			LEV. FLAKES			FLAKES			LEV. BLADES			BLADES			BLADELETS			TOTAL %
	Whole	Frag	Whole	Whole	Frag	Whole	Whole	Frag	Whole	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag		
29 BURIN ON A STRAIGHT RET. TRUNC			1			1												1	0-77
30 BURIN ON AN OBLOQUE RET. TRUNC		1				2												6	4-62
31 BURIN ON A CONCAVE RET. TRUNC		1				1												1	0-77
32 BURIN ON A CONVEX RET. TRUNC																			
33 TRUNCLE BURIN																			
34 MULTIPLE BURIN																		1	0-77
35 BURIN ON A LATERAL LATERAL PREP.																			
36 KSAR AKIL POINT																			
37 BACKED PIECE																			
38 BACKED PIECE																			
39 DOUBLE PART BACKED PIECE																			
40 STRAIGHT RET TRUNCATION			1																
41 OBLOQUE RET TRUNCATION		2				2													
42 CONCAVE TRUNCATION		1				1													
43 CONVEX RET TRUNCATION		2				2													
44 DOUBLE TRUNCATION																			
45 AURIGNACIAN BLADE																			
46 POINT A & FACE PLANE																			
47 BOAFED BY RET																			
48 NOTCHED PIECE		11	4			3													
49 DENTICULATED PIECE		1	3			5													
50 SPLINTERED PIECE																			
51 SIDE SCRAPER																			
52 TRUNCATED BLADELET																			
53 BLADELET WITH INVERSE RET																			
54 DIVERS		1	2			1													
TOTAL		29	40			30													
%		22-31	30-77			23-08													

CORTEX	
CRESTED BLADES	
SEC. PATINA	
FRACTURES	

CONVEX FACETED																					
STRAIGHT FACETED																					
DIMEDRAL																					
PLAIN																					
NATURAL																					
PUNCTIFORM																					
LINEAR																					
BROKEN																					
TOTAL																					

CONVEX FACETED	11	2	1	16	52	4	66														
STRAIGHT FACETED	15-38	3-08	1-54	24-62	49-23	8-15															
DIMEDRAL																					
PLAIN																					
NATURAL																					
PUNCTIFORM																					
LINEAR																					
BROKEN																					
TOTAL																					

CORTEX																					
CRESTED BLADES																					
SEC. PATINA																					
FRACTURES																					

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL XIII
SQ E4, F4 and F3

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRISAGE	LEVALLOIS		NON-LEVALLOIS		RETOUCH						MISCELLANEOUS		BUTTS						MISCELLANEOUS									
	10-0	90-0	50-0	90-0	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC PATINA	THERM FACTURES			
POINTS																												
FRAGS																												
FLAKES	1	3	2	1	1	1	1	1		4	44-44	1				1			1		1	4						
FRAGS		1					1			1	11-11																	
BLADES		3	2	1						3	33-33	1								2		3	1					
FRAGS		1		1						1	11-11																	
BLADELETS		1	1							1	11-11									1		1						
FRAGS																												
TOTAL	1	9	5	3	1	1	10						2		12-50		1		4		1	8	1					
%	10-0	90-0	50-0	30-0	10-0	10-0							25-0						50-0			12-50	11-11					

LEVEL XIII
SQ E4, F4 and F3

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1				
%				
FLAKES	1	84	85	
DIS. FRAGS		34	34	
MES. FRAGS		2	2	
PROX. FRAGS				
TOTAL 2	1	120	121	37.81
%	0.83	99.17		
FLAKE BLADES		36	36	
DIS. FRAGS		4	4	
MES. FRAGS				
PROX. FRAGS				
TOTAL 3		40	40	12.50
%				
BLADES		56	56	
DIS. FRAGS		40	40	
MES. FRAGS		3	3	
PROX. FRAGS		1	1	
TOTAL 4		100	100	31.25
%				
BLADELETS		52	52	
DIS. FRAGS		7	7	
MES. FRAGS				
PROX. FRAGS				
TOTAL 5		59	59	18.44
%				
TOTAL 1+5	1	319	320	
%	0.31	99.69		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
9	3	2	40	4	17	8	2	85		
9	3	2	40	4	17	8	2	85	36.79	
10.59	3.53	2.35	47.06	4.71	20.0	9.41	2.35			
1		2	7	1	19	5	1	36		
1		2	7	1	19	5	1	36	15.58	
2.78		5.56	19.44	2.78	52.78	13.89	2.78			
1	1		6		41	8		57		
1	1		6		42	8		58	25.11	
1.72	1.72		10.34		72.41	13.79				
11	4	4	53	5	130	21	3	231		
4.76	1.73	1.73	22.94	2.16	56.28	9.09	1.29			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	3	3	1	34	
FLAKE BLADES	8		3	11	
BLADES	10	1	4	15	
BLADELETS					
TOTAL	51	1	8	60	
%	15.94	0.31	2.50		

LEVEL XIII
SQ. E4, F4 and F3

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE	3	8.33							
LEVALLOIS BLADE									
LEVALLOIS POINT									
PYRAMIDAL	3	8.33		3	3	11.11	1	3.70	
PRISMATIC - 1 PLATFORM	18	50.0		18	18	66.67	4	14.81	
PRISMATIC - 2 PLATFORMS	4	11.11		6	6	22.22	2	7.41	
GLOBULAR	1	2.78							
SHAPELESS									
DEBRIS	7	19.44							1
TOTAL	36			27	27		7	25.93	1

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
16		1	5	1	10	3	36		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
1	8	2	1	3		1	16

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

LEVEL XIII
SOS E4

TYPES	DEBITAGE										TOOLS					BUTTS							MISCELLANEOUS																		
	Whole	Frag.	LEV. POINT	Whole	Frag.	LEV. FLAKES	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti- form	Linear	Broken	TOTAL	Cortex	Crusted Blades	Sec. Patina	Therm. Fractures						
1	END - SCRAPER																																								
2	ATYPICAL END - SCRAPER																																								
3	DOUBLE END - SCRAPER																																								
4	OGIVAL END - SCRAPER																																								
5	END - SCRAPER ON A RET. FLAKE																																								
6	HUMAN END - SCRAPER																																								
7	FRONT CARINAT END - SCRAPER																																								
8	LAT. CARINAT END - SCRAPER																																								
9	A.TYP. CARINAT END - SCRAPER																																								
10	THICK NOSED END - SCRAPER																																								
11	NOULEDED END - SCRAPER																																								
12	INVERSE END - SCRAPER																																								
13	CHAM. PIECE OBLIQUE RET. TRUNC																																								
14	CHAM. PIECE ON LATERAL PREP.																																								
15	CHAM. PIECE CONCAVE RET. TRUNC																																								
16	CHAM. PIECE CONV. RET. TRUNC																																								
17	CHAM. PIECE CHAM. PIECE																																								
18	END - SCRAPER BURIN																																								
19	END - SCRAPER TRUNCATED BLADE																																								
20	BURIN TRUNCATED BLADE																																								
21	PIERCER																																								
22	DIHEDRAL STRAIGHT																																								
23	DIHEDRAL ASYM.																																								
24	DIHEDRAL ANGLE																																								
25	DIHEDRAL - ANGLE BURIN ON A BREAK																																								
26	DIHEDRAL DIHEDRAL																																								
27	CARINATED BURIN																																								
28	FLAT - FACED CARINAT. BURIN																																								

TYPES

TYPES	DEBITAGE										TOOLS				BUTTS						MISCELLANEOUS															
	Whole	Frag	LEV. POINT	Whole	Frag	FLAKES	Whole	Frag	LEV. BLADES	Whole	Frag	BLADES	Whole	Frag	BLADETS	Frag	TOTAL	%	CONVEX	FACETED	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTX	CRESTED	BLADES	SEC. PATINA	FRACTURES				
29 BURIN ON A STRAIGHT RET. TRUNC				1													1	2.27				1														
30 BURIN ON AN ANCONCAVE RET. TRUNC				1													1	2.27												1						
31 BURIN ON A STRAIGHT TRUNC																																				
32 BURIN ON A CONVEX RET. TRUNC																																				
33 MULTIPLE BURIN																																				
34 MULTIPLE BURIN MIXED																																				
35 BURIN ON A STRAIGHT TRUNC																																				
36 KSLAKIL POINT																																				
37 BACKED PIECE																																				
38 PARTIALLY BACKED PIECE																																				
39 DOUBLE PART BACKED PIECE																																				
40 STRAIGHT TRUNCATION																																				
41 OBLIQUE TRUNCATION			1														1	2.27																		
42 CONCAVE TRUNCATION																																				
43 CONVEX TRUNCATION								1									2	4.55																		
44 DOUBLE TRUNCATION																																				
45 AURIGNACIAN BLADE																																				
46 POINT A & FACE PLANE																																				
47 BLADE POINTED BY RET																																				
48 NOTCHED PIECE																																				
49 FLEXICULATED PIECE																																				
50 SPLINTERED PIECE																																				
51 SIDE SCRAPER																																				
52 TRUNCATED BLADELET																																				
53 WITH INVERSE RET																																				
54 DIVERS																																				
TOTAL																																				
%																																				

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL XIII
SQ E4

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRITAGE	LEVALLOIS		RETOUCH						BUTTS						MISCELLANEOUS										
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES		
POINTS																									
FRAGS																									
FLAKES		1				1			1	50-00									1	1					
FRAGS																									
BLADES		1	1							50-00											1				
FRAGS																									
BLADELETS																									
FRAGS																									
TOTAL		2	1	1	1	1	1	2	2	50-00	50-00								50-00	1	2			50-00	
%			50-00						50-00																

LEVEL XIII
SQ E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1				
%				
FLAKES	3	3		
DIS. FRAGS	1	1		
MES. FRAGS				
PROX. FRAGS				
TOTAL 2	4	4	16·67	
%				
FLAKE BLADES	3	3		
DIS. FRAGS	1	1		
MES. FRAGS				
PROX. FRAGS				
TOTAL 3	4	4	16·67	
%				
BLADES	6	6		
DIS. FRAGS	2	2		
MES. FRAGS	1	1		
PROX. FRAGS	1	1		
TOTAL 4	10	10	41·67	
%				
BLADELETS	6	6		
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5	6	6	25·00	
%				
TOTAL 1-5	24	24		
%				

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
		1		2					3	
		1		2					3	15·00
		33·33		66·67						
				1			2		3	
				1			2		3	15·00
					33·33		66·67			
				1		4	2		7	
						1			1	
				1		5	2		8	40·00
					12·50	62·50	25·00			
						6			6	
						6			6	30·00
		1		4		11	4		20	
		5·00		20·00		55·00	20·00			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	1		1	2	
FLAKE BLADES			2	2	
BLADES	1		3	4	
BLADELETS					
TOTAL	2		6	8	
%	8·33		25·00		

LEVEL XIII
SQ. E4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE									
LEVALLOIS POINT									
PYRAMIDAL									
PRISMATIC - 1 PLATFORM	3	100		3	3		2	66.67	
PRISMATIC - 2 PLATFORMS									
GLOBULAR									
SHAPELESS									
DEBRIS									
TOTAL	3			3	3		2	66.67	

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
2			4	1		1	8		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
		1				1	2

HAMMERSTONES

PEBBLES

RED OCHRE

WHOLE	FRAG.	TOTAL

WHOLE	FRAG.	TOTAL

TOTAL

LEVEL XIII
SOS F4

TYPES	DEBITAGE										TOOLS				BUTTS						MISCELLANEOUS																	
	Whole	Frag.	LEV. FLAKES	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	CONVEX	FACED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-	FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	THERM. FRACTURES				
1 END - SCRAPER																		2	270																		1	
2 ATYPICAL																																						
3 DOUBLE - SCRAPER																		1	1-35																			
4 END - SCRAPER																																						
5 END - SCRAPER																																						
6 END - SCRAPER																																						
7 FRONT. CARINAT																																						
8 LAT. - CARINAT																																						
9 END - SCRAPER																																						
10 THICK NOSED																																						
11 SHOULDERED																																						
12 INVERSE																																						
13 CHAM. PIECE																																						
14 CHAM. PIECE																																						
15 CHAM. PIECE																																						
16 CHAM. PIECE																																						
17 MULTIPLE																																						
18 BURIN - SCRAPER																																						
19 END - SCRAPER																																						
20 BURIN - TRUNCATED BLADE																																						
21 PIERCER																																						
22 DIHEDRAL																																						
23 DIHEDRAL																																						
24 DIHEDRAL																																						
25 DIHEDRAL																																						
26 MULTIPLE																																						
27 CARINATED																																						
28 FLAT - FACED																																						
29 CARINAT. BURIN																																						

LEVEL XIII
SQ F4

SEMI-ABRUPT DISCONTINUOUS RETOUCH

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBITAGE	LEVALLOIS		RETOUCH						MISCELLANEOUS															
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES		2	1	1					2	33-33					1		1				2			
FRAGS																								
BLADES		2	1	1					2	33-33							2				2			
FRAGS		1		1					1	16-67														
BLADELETS		1		1					1	16-67							1				1			
FRAGS																								
TOTAL		6	3	3				6							1		4				5			
%			50-00	50-00											20-00		80-00							

LEVEL XIII
SQ F4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1				
0/0				
FLAKES		79	79	
DIS. FRAGS		33	33	
MES. FRAGS		1	1	
PROX. FRAGS				
TOTAL 2		113	113	39.93
0/0				
FLAKE BLADES		29	29	
DIS. FRAGS		3	3	
MES. FRAGS				
PROX. FRAGS				
TOTAL 3		32	32	11.31
0/0				
BLADES		46	46	
DIS. FRAGS		38	38	
MES. FRAGS		2	2	
PROX. FRAGS				
TOTAL 4		86	86	30.39
0/0				
BLADELETS		45	45	
DIS. FRAGS		7	7	
MES. FRAGS				
PROX. FRAGS				
TOTAL 5		52	52	18.37
0/0				
TOTAL 1-5		283	283	
0/0				

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
8	2		1	38	4	17	8	1	79	
8	2		1	38	4	17	8	1	79	39.69
10.13	2.53		1.27	48.10	5.06	21.52	10.13	1.27		
1			2	5	1	17	2	1	29	
1			2	5	1	17	2	1	29	14.57
3.45			6.89	17.24	3.45	58.62	6.89	3.45		
1	1			5		33	6		46	
1	1			5		33	6		46	23.12
2.17	2.17			10.87		71.74	13.04			
						45			45	
						45			45	22.61
10	3		3	48	5	112	16	2	199	
5.03	1.51		1.51	24.12	2.51	56.28	8.04	1.01		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	32			32	
FLAKE BLADES	8		1	9	
BLADES	8	1	1	10	
BLADELETS					
TOTAL	48	1	2	51	
0/0	16.96	0.35	0.71		

LEVEL XIII
SQ. F4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3	10.00							
LEVALLOIS FLAKE									
LEVALLOIS BLADE									
LEVALLOIS POINT									
PYRAMIDAL	3	10.00		3	3	14.29	1	4.76	
PRISMATIC - 1 PLATFORM	12	40.00		12	12	57.14	2	9.52	
PRISMATIC - 2 PLATFORMS	4	13.33		6	6	28.57	2	9.52	
GLOBULAR	1	3.33							
SHAPELESS									
DEBRIS	7	23.33							1
TOTAL	30			21	21		5	23.81	1

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
13			1		10	1	25		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
1	8	1	1	3			14

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

TYPES	DEBITAGE										TOOLS				BUTTS						MISCELLANEOUS																		
	Whole	Frag.	LEV. POINT	Whole	Frag.	LEV. FLAKES	Frag.	FLAKES	Frag.	LEV. BLADES	Frag.	BLADES	Frag.	BLADELETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTX	CRESTED	BLADES	SEC. PATINA	THERM. FRACTURES							
1	END - SCRAPER																																						
2	ATYPICAL END - SCRAPER																																						
3	DOUBLE SCRAPER																																						
4	OVAL END - SCRAPER																																						
5	END - SCRAPER ON A RET. FLAKE																																						
6	END - SCRAPER ON AN AURIG. BLADE																																						
7	FRONT CARINAT END - SCRAPER																																						
8	END - SCRAPER	1																																					
9	A TYP. CARINAT END - SCRAPER																																						
10	THICK NOSED END - SCRAPER																																						
11	SHOULDERED END - SCRAPER																																						
12	INVERSE SCRAPER END - SCRAPER																																						
13	W. SIDE ORIOUQUE RET. TRUNC																																						
14	CHAM. PIECE ON LATERAL PREP.																																						
15	CHAM. PIECE CONCAVE RET. TRUNC																																						
16	CHAM. PIECE COVEX RET. TRUNC																																						
17	MULTIPLE CHAM. PIECE																																						
18	BURIN SCRAPER																																						
19	END - SCRAPER TRUNCATED BLADE																																						
20	BURIN TRUNCATED BLADE																																						
21	PIERCER																																						
22	DIHEDRAL STRAIGHT BURIN																																						
23	DIHEDRAL ASYM. BURIN																																						
24	DIHEDRAL ANGLE BURIN																																						
25	DIHEDRAL ANGLE BURIN ON A BREAK																																						
26	MULTIPLE DIHEDRAL BURIN																																						
27	CARINATED BURIN - FACED																																						
28	CARINATED BURIN																																						

LEVEL XIII
SQ. F3

TYPES	DEBITAGE										TOOLS			BUTTS						MISCELLANEOUS																
	Whole	Frag	LEV. POINT	Whole	Frag	FLAKES	Whole	Frag	LEV. BLADES	Whole	Frag	BLADES	Whole	Frag	BLADELETS	Frag	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti- form	Linear	Broken	Total	Cortex	Crested	Blades	Sec. Patina	Fractures			
29 BURIN ON A. TRUNC																																				
30 BURIN ON AN																																				
31 BURIN ON A																																				
32 BURIN ON A																																				
33 MULTIPLE BURIN																																				
34 MULTIPLE BURIN																																				
35 BURIN ON A																																				
36 LATERAL PREP.																																				
37 PART AKIL																																				
38 BACKED PIECE																																				
39 PARTIALLY BURIN																																				
40 DOUBLE PART BURIN																																				
41 DOUBLE PART BURIN																																				
42 STRAIGHT BURIN																																				
43 RET. TRUNCATION																																				
44 BURIN ON A																																				
45 BURIN ON A																																				
46 BURIN ON A																																				
47 BURIN ON A																																				
48 BURIN ON A																																				
49 BURIN ON A																																				
50 BURIN ON A																																				
51 BURIN ON A																																				
52 BURIN ON A																																				
53 BURIN ON A																																				
54 BURIN ON A																																				
TOTAL																																				
%																																				

LEVEL XIII
SQ F3

SEMI-ABRUPT DISCONTINUOUS RETOUCH

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBITAGE	LEVALLOIS		RETOUCH						BUTTS									MISCELLANEOUS						
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES																								
FRAGS		1				1			1															
BLADES																								
FRAGS																								
BLADELETS																								
FRAGS																								
TOTAL		1							1															
%																								

LEVEL XIII
50
F3

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1				
%				
FLAKES		2	2	
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS				
TOTAL 2		3	3	30.00
%				
FLAKE BLADES		4	4	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 3		4	4	40.00
%				
BLADES		2	2	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 4		2	2	20.00
%				
BLADELETS		1	1	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 5		1	1	10.00
%				
TOTAL 1-5		10	10	
%				

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
			1					1	2	
			1					1	2	22.22
			50.0					50.0		
				1		2	1		4	
				1		2	1		4	44.44
				25.0		50.0	25.0			
						2			2	
						2			2	2.2.2.2
							1		1	
						1			1	11.11
			1	1		5	1	1	9	
			11.11	11.11		55.56	11.11	11.11		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES					
FLAKE BLADES					
BLADES	1			1	
BLADELETS					
TOTAL	1			1	
%	10.00				

LEVEL XIII
SQ. F3

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE									
LEVALLOIS POINT									
PYRAMIDAL									
PRISMATIC - 1 PLATFORM	3			3	3				
PRISMATIC - 2 PLATFORMS									
GLOBULAR									
SHAPELESS									
DEBRIS									
TOTAL	3			3	3				

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
1		1				1	3		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL

HAMMERSTONES

PEBBLES

RED OCHRE

WHOLE	FRAG.	TOTAL

WHOLE	FRAG.	TOTAL

TOTAL

LEVEL XIII
SOS ?

TYPES	DEBITAGE												TOOLS				BUTTS							MISCELLANEOUS														
	LEV. POINT	Frag.	Whole	LEV. FLAKES	Frag.	Whole	LEV. BLADES	Frag.	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	Whole	TOTAL	%	CONVEX	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTX	CRESTED	SEC. PATINA	THERM. FRACTURES							
1 END - SCRAPER																1	50.00																					
2 ATYPICAL END - SCRAPER																																						
3 DOUBLE END - SCRAPER																																						
4 END - SCRAPER																																						
5 END - SCRAPER ON A RET. FLAKE																																						
6 END - SCRAPER ON AN AURIG. BLADE																																						
7 FRONT. CARINAT END - SCRAPER																																						
8 LAT. - CARINAT SCRAPER																																						
9 END - SCRAPER																																						
10 THICK NOSED END - SCRAPER																																						
11 SHOULDERED END - SCRAPER																																						
12 INVERSE END - SCRAPER																																						
13 CHAMF. PIECE TRUNC ON LATERAL																																						
14 CHAM. PIECE TRUNC ON LATERAL PREP.																																						
15 CHAM. PIECE TRUNC CONCAVE RET. TRUNC																																						
16 CHAM. PIECE COVER RET. TRUNC																																						
17 CHAM. PIECE BURIN																																						
18 END - SCRAPER																																						
19 END - SCRAPER TRUNCATED BLADE																																						
20 BURIN TRUNCATED BLADE																																						
21 PIERCER																																						
22 DIHEDRAL STRAIGHT BURIN																																						
23 DIHEDRAL ASYM. BURIN																																						
24 DIHEDRAL ANGLE BURIN																																						
25 DIHEDRAL BURIN ON A BREAK																																						
26 MULTIPLE DIHEDRAL BURIN																																						
27 CARINATED BURIN																																						
28 FLAT - FACED CARINAT. BURIN																																						

LEVEL XIII
SO. P.

TYPES	DEBITAGE												TOOLS				BUTTS							MISCELLANEOUS															
	LEV. POINT	Whole	Frag	Whole	LEV. FLAKES	Whole	Frag	Whole	LEV. BLADES	Whole	Frag	Whole	BLADES	Whole	Frag	Whole	BLADETS	Frag	TOTAL	%	Convex	Faceted	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	THERM	FRACTURES			
	Whole	Frag	Whole	LEV. FLAKES	Whole	Frag	Whole	LEV. BLADES	Whole	Frag	Whole	LEV. BLADES	Whole	Frag	Whole	BLADETS	Frag	TOTAL	%	Convex	Faceted	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	THERM	FRACTURES				
		5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	1	1	1	1	1	1	1	1	1	2									
29 BURIN ON A STRAIGHT RET. TRUNC																																							
30 BURIN ON AN OBLIQUE RET. TRUNC																																							
31 BURIN ON A CONCAVE RET. TRUNC																																							
32 BURIN ON A MULTIPLE TRUNC																																							
33 MULTIPLE BURIN																																							
34 MIXED BURIN																																							
35 BURIN ON A LATERAL PREP.																																							
36 KSAR'AKIL POINT																																							
37 PACE																																							
38 PARTIALLY BACKED PIECE																																							
39 DOUBLE PART BACKED PIECE																																							
40 STRAIGHT RET. TRUNCATION																																							
41 OBLIQUE RET. TRUNCATION																																							
42 CONCAVE TRUNCATION																																							
43 CONVEX TRUNCATION																																							
44 DOUBLE TRUNCATION																																							
45 AURIGNACIAN BLADE																																							
46 POINT A FACE PLANE																																							
47 POINT BY RET																																							
48 NOTCHED PIECE																																							
49 DENTICULATED PIECE																																							
50 SPLINTERED PIECE																																							
51 SCRAPER																																							
52 TRUNCATED BLADELET																																							
53 BLADELET WITH INVERSE RET																																							
54 DIVERS																																							
TOTAL																																							
%																																							

LEVEL XIII
SQ ?

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRISAGE	LEVALLOIS		RETROUGH						BUTTS				MISCELLANEOUS											
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS	1																							
FLAKES	1		1						1											1				
FRAGS																								
BLADES																								
FRAGS																								
BLADELETS																								
FRAGS																								
TOTAL	1		1						1												1			
%																								

LEVEL XII
SOS E4,F4 and F3

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPE	DEBITAGE										TOOLS										BUTTS					MISCELLANEOUS												
	Whole	LEV. POINT	FRAG.	WHOLE	LEV. FLAKES	FRAG.	WHOLE	LEV. BLADES	FRAG.	WHOLE	BLADES	FRAG.	WHOLE	BLADES	FRAG.	WHOLE	BLADELETS	FRAG.	TOTAL	%	CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	FRACTURES			
1 END - SCRAPER				14	7		7	8											36	494	2		1	14			2	2							5	1		5
2 ATYPICAL END - SCRAPER				2	4		5	1											12	164	1			5			1	1										1
3 DOUBLE END - SCRAPER						1		1											2	0-28																		
4 OGIVAL END - SCRAPER							1												1	0-14		1																
5 END - SCRAPER ON A RET. FLAKE				2			1												3	0-41	1		1	1														
6 END - SCRAPER ON AN UNFLATTENED SURFACE				1															1	0-14			1															
7 FRONT CARINAT END - SCRAPER				1	11			6											18	2-47			1	1														
8 LAT. CARINAT END - SCRAPER				3	13		1	9											26	3-57			4	7														
9 A TYP. CARINAT END - SCRAPER					4			1											5	0-69																		
10 THICK NOSED END - SCRAPER				2	3			1											5	0-69			1															
11 END - SCRAPER				1	3			1											5	0-69			2															
12 INVERSE END - SCRAPER				3	8			1											15	1-78			2															
13 CHAM. PIECE OBLIQUE RET. TRUNC BURIN																																						
14 CHAM. PIECE ON LATERAL PREP.																																						
15 CHAM. PIECE ON COVEX RET. TRUNC BURIN																																						
16 CHAM. PIECE ON COVEX RET. TRUNC BURIN																																						
17 MULTIPLE CHAM. PIECE BURIN																																						
18 END - SCRAPER BURIN					13														20	2-74																		
19 END - SCRAPER ON INDICATED BLADE																			2	0-28																		
20 BURIN - TRUNCATED BLADE					3														7	0-96																		
21 PIERCER							2	2											6	0-82																		
22 DIHEDRAL STRAIGHT BURIN				1	9	28		5	15										58	7-96	2	1	6	1	3	3												
23 DIHEDRAL BURIN				1	14	27		16	31										89	12-21	2	1	1	10	1	9	6											
24 DIHEDRAL BURIN ANGLE				13	12		3	6											34	4-66		1	2	9	2	1	1											
25 DIHEDRAL ANGLE BURIN ON A BREAK				8	5		2	10											25	3-43	1		2	6	1													
26 MULTIPLE DIHEDRAL BURIN						10													20	2-74																		
27 BURINATED BURIN				3	10		3	6											22	3-02			1	1	3													
28 FLAT - FACED CARINAT. BURIN				7	16		1	13											37	5-08	2		1	4														

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRIDGE	LEVALLOIS		RETOUCH						BUTTS				MISCELLANEOUS											
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES		6	5	1	1	1	1	6	8.96	1				1	3		1			6				
FRAGS		6	5	1	1	1	1	6	8.96															
BLADES		25	15	10	10	10	10	25	37.31					3	3		20	2		25	1			
FRAGS		21	15	5	1	5	1	21	31.34								4			4				2
BLADELETS		4	3	1				4	5.97								3			3				
FRAGS		5	5					5	7.48									1		1				1
TOTAL		67	48	1	17	1	1	67		2-56				2-56	15-38		71-79	7-69		39	1			3
%			71-64	1-49	25-37	1-49															1-49			4-48

LEVEL XII
SQ E4, F4 and F3

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1				
%				
FLAKES	1	370	371	
DIS. FRAGS		112	112	
MES. FRAGS		196	196	
PROX. FRAGS		189	189	
TOTAL 2	1	867	868	30·17
%	0·11	99·89		
FLAKE BLADES		210	210	
DIS. FRAGS		28	28	
MES. FRAGS		90	90	
PROX. FRAGS		40	40	
TOTAL 3		368	368	12·79
%				
BLADES		452	452	
DIS. FRAGS		89	89	
MES. FRAGS		100	100	
PROX. FRAGS		833	833	
TOTAL 4		1474	1474	51·23
%				
BLADELETS		115	115	
DIS. FRAGS		24	24	
MES. FRAGS		15	15	
PROX. FRAGS		13	13	
TOTAL 5		167	167	5·80
%				
TOTAL 1-5	1	2876	2877	
%	0·03	99·97		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
24	2	19	171	12	115	27	1	371		
8		11	112	5	46	7		189		
32	2	30	283	17	161	34	1	560	25·13	
5·71	0·36	5·36	50·54	3·04	28·75	6·07	0·18			
4	3	1	55	2	132	14		211		
				12	1	19	10	42		
4	3	1	67	3	151	24		253	11·35	
1·58	1·18	0·40	26·48	1·18	59·68	9·48				
11		4	65		344	28		452		
6		6	87	2	613	119		833		
17		10	152	2	957	147		1285	57·67	
1·32		0·78	11·83	0·16	74·47	11·44				
						111	1	112		
						12	1	13		
						128	2	130	5·83	
						98·46	1·54			
53	5	41	502	22	1397	207	1	2228		
2·38	0·22	1·83	22·53	0·98	62·70	9·29	0·04			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	142	2	128	272	
FLAKE BLADES	53		48	101	
BLADES	164		218	382	
BLADELETS	3		1	4	
TOTAL	362	2	395	759	
%	12·58	0·07	13·73		

LEVEL XII
SQ. E4, F4 and F3

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	4	1.55							
LEVALLOIS FLAKE									
LEVALLOIS BLADE	2	0.78	2	1	3	1.74	1	0.61	
LEVALLOIS POINT									
PYRAMIDAL	12	4.65		12	12	6.98	11		1
PRISMATIC - 1 PLATFORM	67	25.97		67	67	38.95	29		4
PRISMATIC - 2 PLATFORMS	44	17.05		88	88	51.16	13		4
GLOBULAR									
SHAPELESS	6	2.33		2	2	1.16			1
DEBRIS	123	47.67							31
TOTAL	258	100	2	170	172	100	54	31.39	41

CORÉ PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1PLAT.	PRIS.2PLAT.					
198	11	8	12	15	35	17	3	299	19

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
4	24	16	1	1	7	2	55

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL
1	1	2

RED OCHRE

TOTAL

TYPES

DEBITAGE

TOOLS

BUTTS

MISCELLANEOUS

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		TOTAL		CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED BLADES	SEC. PATINA	FRACTURES THERM.
	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	Whole	Frag.	10	%														
1 END - SCRAPER					5	3	1	1	1	1			10	3-22					5	1			6				1	
2 ATYPICAL END - SCRAPER					2		2						4	1-29					2				2		1			
3 DOUBLE END - SCRAPER					1		1						2	0-64														
4 OVAL END - SCRAPER					1								1	0-32			1						1					
5 END - SCRAPE ON A RE- FLAKE					1								1	0-32					1				1					
6 END - SCRAPER ON AN AURIG. BLADE																												
7 FRONT. CARINAT END - SCRAPER					1	7			3				11	3-54					1				1		5			
8 LAT. CARINAT END - SCRAPER						8		1	1				10	3-22					1				1			2	1	
9 ATYP. CARINAT SCRAPER																												
10 THICK END - SCRAPER					1								1	0-32														
11 SHOULDERS END - SCRAPER																												
12 INVERSE END - SCRAPER					3	6		1	1				11	3-54					2		2		4		3			
13 CHAM. PIECE OBLIQUE RET. TRUNC																												
14 CHAM. PIECE PREP. ON LATERAL CONCAVE RET. TRUNC																												
15 CHAM. PIECE CONVEX RET. TRUNC																												
17 MULTIPLE CHAM. PIECE																												
18 END - SCRAPER BURIN					7								7	2-25											3	1		
19 SCRAPE TRUNCATED BLADE									1				1	0-32														
20 TRUNCATED BLADE					2				1				3	0-96											2			
21 PIERCER								1	1	2			4	1-29							3		3					
22 DIHEDRAL STRAIGHT BURIN					3	11		1	2				17	5-47					1	1	1	2	5		7	1	3	
23 DIHEDRAL ANGLE BURIN					1	7	12	8	16				44	14-15				2	1	1	3	1	5	2	15	15	7	
24 DIHEDRAL BURIN ANGLE					10	4		1	2				17	5-47				2	5	2	1	1	11		5	1		
25 DIHEDRAL ANGLE BURIN ON A BREAK					7	2		3					12	3-86				2	5				7		1		2	
26 MULTIPLE BURIN						6		5					11	3-54											5			
27 CARINATED BURIN					2	9		4					15	4-82				1	1				2		2		3	
28 FLAT - FACED CARINAT. BURIN					4	6		6					16	5-14				2		2			4		4		1	

MISCELLANEOUS

BUTTS

TOOLS

DEBITAGE

TYPES	LEV. POINT		LEV. FLAKES		FLAKES		LEV. BLADES		BLADES		BLADELETS		TOTAL	%	CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	FRACTURES
	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag	Whole	Frag																	
29 BURIN ON A STRAIGHT RET. TRUNC			1		1		1		1				2	0.64						1	1				2				
30 BURIN ON AN OBLOQUE RET. TRUNC				3	1	4							8	2.57					1			1			2				2
31 BURIN ON A CONCAVE RET. TRUNC			2		1		1		1				8	2.57					2						3				
32 BURIN ON A CONVEX RET. TRUNC											1		3	0.96							1			1					
33 TRUNCLE BURIN				1				1					2	0.64											1				
34 MULTIPLE BURIN				3				5					8	2.57											3	1			
35 BURIN ON A LATERAL LATERAL PREP.																													
36 KSAR AKIL POINT					6	3							9	2.89															
37 BACKED BLADE																													
38 BAKED BACKED PIECE							10						10	3.22								7	2						
39 DOUBLE PART BACKED PIECE																													
40 STRAIGHT RET TRUNCATION				1				1	3				5	1.61								1							1
41 OBLIQUE TRUNCATION				1	2			3	3				9	2.89					1			3					1		1
42 BENCH TRUNCATION				2				3	2				7	2.25							2	1							5
43 CONVEX TRUNCATION				1				2	2				5	1.61							2								3
44 DOUBLE TRUNCATION																													
45 ALTRIGNACIAN BLADE																													
46 POINT PLANE																													
47 BLADE POINTED BY RET					2	1							3	0.96								2							2
48 NOTCHED PIECE				5	5			8	3				22	7.07								4							13
49 DENTICULATED PIECE				2									2	0.64								7							2
50 SPINTERED BLADE				1									1	0.32															1
51 SIEVE SCRAPER						1							1	0.32						1									1
52 TRUNCATED BLADELET													4	1.28								4							4
53 BLADELET WITH INVERSE RET																													
54 DIVERS				2									3	0.96						1									2
TOTAL			0-32	0-32	1928	35-06		44	87	8	1	311			5-98	2-56	5-73	35-88	3-42	39-32	7-69		117		20-58	1-29	1-61	6-43	
%																													

LEVEL XII
SO E4

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1				
%				
FLAKES	1	130	131	
DIS. FRAGS		21	21	
MES. FRAGS		15	15	
PROX. FRAGS		63	63	
TOTAL 2	1	229	230	23.98
%	0.43	99.57		
FLAKE BLADES		106	106	
DIS. FRAGS		3	3	
MES. FRAGS		1	1	
PROX. FRAGS		4	4	
TOTAL 3		114	114	11.89
%				
BLADES		135	135	
DIS. FRAGS		71	71	
MES. FRAGS		58	58	
PROX. FRAGS		248	248	
TOTAL 4		512	512	53.39
%				
BLADELETS		90	90	
DIS. FRAGS		5	5	
MES. FRAGS		3	3	
PROX. FRAGS		5	5	
TOTAL 5		103	103	10.74
%				
TOTAL 1+5	1	958	959	
%	0.10	99.89		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	%
17	1		7	62	2	36	6		131	
5			3	32		20	3		63	
22	1		10	94	2	56	9		194	24.87
11.34	0.52		5.15	48.45	1.03	28.87	4.64			
4	1			17	1	77	6		106	
					1		2	1	4	
4	1			18	1	79	7		110	14.10
3.64	0.91			16.36	0.91	71.82	6.36			
3			1	15		111	5		135	
					1	9	2	164	72	248
3				2	24	2	275	77	383	49.10
0.78			0.52	6.27	0.52	71.80	20.10			
						87	1		88	
						5			5	
							92	1	93	11.92
						98.92	11.08			
29	2		12	136	5	502	94		780	
3.72	0.26		1.53	17.44	0.64	64.36	12.05			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	24	2	10	36	
FLAKE BLADES	12		7	19	
BLADES	22		23	45	
BLADELETS	3			3	
TOTAL	61	2	40	103	
%	6.36	0.21	4.17		

LEVEL XII
SQ. E4

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	1	1.39							
LEVALLOIS FLAKE									
LEVALLOIS BLADE	1	1.39	1	1	2	2.86			
LEVALLOIS POINT									
PYRAMIDAL	7	9.72		7	7	10.0	4	5.71	1
PRISMATIC - 1 PLATFORM	25	34.72		25	25	35.71	12	17.14	1
PRISMATIC - 2 PLATFORMS	18	25.00		36	36	51.43	9	12.86	1
GLOBULAR									
SHAPELESS									
DEBRIS	20	27.78							
TOTAL	72		1	69	70		25	35.71	3

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
43	1	3	5	10	8	2	72		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
2	2	4			1		9

HAMMERSTONES

PEBBLES

RED OCHRE

WHOLE	FRAG.	TOTAL

WHOLE	FRAG.	TOTAL

TOTAL

LEVEL XII
SOS F4

TYPES	DEBITAGE						TOOLS						BUTTS						MISCELLANEOUS																						
	Whole	Frag.	LEV FLAKES	FLAKES	Frag.	Whole	LEV BLADES	Frag.	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	BROKEN	TOTAL	Cortex	Crested	BLADES	SEC. PATINA	Therm										
1	END - SCRAPER			3	3	2									8	3.69	1				4																				
2	ATYPICAL END - SCRAPER			2	1									1	4	1.84					2																				
3	DOUBLE END - SCRAPER																																								
4	OGIVAL END - SCRAPER																																								
5	END - SCRAPER ON A RET. FLAKE			1											1	0.46	1																								
6	END - SCRAPER ON A RET. FLAKE																																								
7	FRONT CARINAT END - SCRAPER						2								5	2.30																									
8	LAT. CARINAT END - SCRAPER			1	3									3	10	4.61						1																			
9	ATYP. CARINAT END - SCRAPER						1								1	0.46																									
10	THICK NOSED END - SCRAPER			2	2										4	1.84																									
11	BULGED END - SCRAPER			1	3										4	1.84																									
12	INVERSE END - SCRAPER													2	2	0.92																									
13	CHAM. PIECE OBLIQUE RET. TRUNC																																								
14	CHAM. PIECE ON LATERAL PREP.																																								
15	CHAM. PIECE TRUNC																																								
16	CHAM. PIECE TRUNC COVEX RET. TRUNC																																								
17	MULTIPLE CHAM. PIECE																																								
18	END - SCRAPER BURIN																																								
19	END - SCRAPER BURIN																																								
20	BURIN - TRUNCATED BLADE																																								
21	PIERCER																																								
22	DIHEDRAL STRAIGHT BURIN			1	13																																				
23	DIHEDRAL BURIN			4	11																																				
24	DIHEDRAL BURIN ANGLE			2	7																																				
25	DIHEDRAL ANGLE BURIN ON A BREAK																																								
26	MULTIPLE DIHEDRAL BURIN			1																																					
27	BURINATED BURIN																																								
28	FLAT - FACED CARINAT. BURIN			3	5																																				

TYPES	DEBITAGE										TOOLS					BUTTS						MISCELLANEOUS																	
	Whole	Frag	LEV. FLAKES	Whole	Frag	LEV. BLADES	Whole	Frag	BLADES	Whole	Frag	BLADETS	Whole	Frag	TOTAL	%	CONVEX	FACETED	Straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	FRACTURES								
29 BURIN ON A STRAIGHT RET. TRUNC																																							
30 BURIN ON AN OBLIQUE RET. TRUNC																																							
31 BURIN ON A CONCAVE RET. TRUNC																																							
32 CONVEX ON RET. TRUNC																																							
33 MULTIPLE BURIN TRUNC																																							
34 MULTIPLE BURIN MIXED																																							
35 BURIN ON A LATERAL PREP.																																							
36 POINT AKIL																																							
37 BACKED PIECE																																							
38 PARTIALLY BACKED PIECE																																							
39 DOUBLE PART BACKED PIECE																																							
40 STRAIGHT RET. TRUNCATION																																							
41 RELOUT TRUNCATION																																							
42 CONCAVE RET. TRUNCATION																																							
43 CONVEX RET. TRUNCATION																																							
44 DOUBLE TRUNCATION																																							
45 ADRIGNACIAN BLADE																																							
46 BLADE FACE & FACE PLANE																																							
47 BLADE POINTED BY RET																																							
48 NOTCHED PIECE																																							
49 DENTICULATED PIECE																																							
50 PIECE WITH NOTCHED EDGE																																							
51 SIDE SCRAPER																																							
52 TRUNCATED BLADELET																																							
53 BLADELET WITH INVERSE RET																																							
54 DIVERS																																							
TOTAL																																							
%																																							

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL XII
SQ F4

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRITAGE	LEVALLOIS		RETOUCH						%		BUTTS						MISCELLANEOUS							
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL		convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTIFORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC PATINA	THERM FACTURES	
POINTS																								
FRAGS																								
FLAKES		1	1						1	4.00	1									1				
FRAGS		1	1							4.00	1													
BLADES		14	6			8				56.00	14				2		12			14				
FRAGS		4	3				1			16.00	4													
BLADELETS		3	2	1						12.00	3						2			2				
FRAGS		2	2							8.00	2													
TOTAL		25	15	1	8	1	1	25			1			2	11.76		14			17				
%			60.00	4.00	32.00	4.00					5.88					82.35								

LEVEL XII
SQ. F4

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE									
LEVALLOIS POINT									
PYRAMIDAL	4	3.74		4	4	8.51	2	4.26	
PRISMATIC - 1 PLATFORM	19	17.76		19	19	40.43	5	10.64	1
PRISMATIC - 2 PLATFORMS	12	11.21		24	24	51.06	4	8.51	
GLOBULAR									
SHAPELESS									
DEBRIS	72	67.29							26
TOTAL	107			47	47		11	23.40	27

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM.C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
35			1	2	8	4	50		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
	7	2		1		2	12

HAMMERSTONES

WHOLE	FRAG.	TOTAL

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

TYPES	DEBITAGE										TOOLS					BUTTS					MISCELLANEOUS																
	Whole	Frag.	LEV. FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	Whole	BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADETS	Frag.	TOTAL	%	CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTURE	FORM	LINEAR	BROKEN	TOTAL	CORTEX	CRESTED	BLADES	SEC. PATINA	THERM. FRACTURES		
1					6	2			4			6		4				18	8-96	1		1	1	5	1	2	1	2		5	1			4			
2					1				2			1		2				3	1-49				1	1	1	1	1	1						1			
3																																					
4																																					
5									1					1				1	0-49					1	1	1	1	1									
6								1										1	0-49				1	1	1	1	1										
7																		2	0-99																		
8																		6	2-99																		
9																		4	1-99																	1	
10																																					
11																		1	0-49																		
12																		2	0-98																		
13																																					
14																																					
15																																					
16																																					
17																																					
18																		3	3-48																		
19																																					
20																																					
21																																					
22																																					
23																																					
24																																					
25																																					
26																																					
27																																					
28																																					

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRISAGE	LEVALLOIS		RETOUCH						MISCELLANEOUS		BUTTS						MISCELLANEOUS							
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES		1	1						1	4.35					1									
FRAGS		3	2						1	13.04														
BLADES		8	7						1	34.78					1		6	1		8	1			
FRAGS		7	4						3	30.43							2			2				1
BLADELETS		1	1							4.35							1			1				
FRAGS		3	3							13.04							1			1				1
TOTAL		23	17						6	2.6.09					2		9	2		13	1			2
%			73.91												15.38		69.23	15.38			4.35			8.69

LEVEL XII
SQ
F3

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1				
0/0				
FLAKES	208	208		
DIS. FRAGS	83	83		
MES. FRAGS	175	175		
PROX. FRAGS	106	106		
TOTAL 2	572	572	38.31	
0/0				
FLAKE BLADES	83	83		
DIS. FRAGS	24	24		
MES. FRAGS	86	86		
PROX. FRAGS	18	18		
TOTAL 3	211	211	14.13	
0/0				
BLADES	203	203		
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS	467	467		
TOTAL 4	670	670	44.88	
0/0				
BLADELETS	10	10		
DIS. FRAGS	15	15		
MES. FRAGS	9	9		
PROX. FRAGS	6	6		
TOTAL 5	40	40	2.68	
0/0				
TOTAL 1-5	1493	1493		
0/0				

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
1	1	11	96	10	69	19	1	208		
3		7	67	4	23	2		106		
4	1	18	163	14	92	21	1	314	28.34	
1.27	0.32	5.73	51.91	4.46	29.29	6.69	0.32			
	1	1	27	1	48	6		84		
				8	1	8	3		20	
	1	1	35	2	56	9		104	9.38	
	0.96	0.96	33.65	1.92	53.85	8.65				
6		3	38		142	14		203		
6		4	64		359	34		467		
12		7	102		501	48		670	60.47	
1.79		1.04	15.22		74.78	7.16				
					9			9		
					5			5		
						5	1	6		
					19	1		20	1.81	
					95.0	5.0				
16	2	26	300	16	668	79	1	1108		
1.44	0.18	2.35	27.08		60.29	7.13	0.09			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	109		113	222	
FLAKE BLADES	32		38	70	
BLADES	125		184	309	
BLADELETS			1	1	
TOTAL	266		336	602	
0/0	17.82		22.51		

LEVEL XII
SQ. F3

CORE TYPE .

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL	3	3.79							
LEVALLOIS FLAKE									
LEVALLOIS BLADE	1	1.27	1		1	1.82	1	1.82	
LEVALLOIS POINT									
PYRAMIDAL	1	1.27		1	1	1.82	5	9.09	
PRISMATIC - 1 PLATFORM	23	29.11		23	23	41.82	12	21.82	3
PRISMATIC - 2 PLATFORMS	14	17.72		28	28	50.91			2
GLOBULAR									
SHAPELESS	6	7.59		2	2	3.64			1
DEBRIS	31	39.24							5
TOTAL	79		1	54	55		18	32.73	11

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
120	10	5	6	3	19	11	3	177	19

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
2	15	10	1		6		34

HAMMERSTONES

PEBBLES

RED OCHRE

WHOLE	FRAG.	TOTAL

WHOLE	FRAG.	TOTAL
1	1	2

TOTAL

LEVEL IVF

TYPE	DEBITAGE										TOOLS						BUTTS							MISCELLANEOUS													
	Whole	Frag.	LEV. FLAKES	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti	Linear	Broken	TOTAL	Cortex	Crested	Blades	Sec. Patina	Therm. Fractures				
1	END - SCRAPER			1	1	7	5	2			2			16	10-91		3					2							3	1	2	1					
2	ATYPICAL END - SCRAPER					2	1	1			1			4	3-48							1	1														
3	DOUBLE END - SCRAPER					2	1				1			3	2-61																1						
4	OGIVAL END - SCRAPER					1	2				2			3	2-61																						
5	END - SCRAPER ON A RET. FLAKE			2		1	2				1			3	2-61															1							
6	END - SCRAPER ON AN UNDEFORMED SURFACE													4	3-48																						
7	FRONT CARINAT																																				
8	LAT. CARINAT																																				
9	A.TYP. CARINAT																																				
10	THICK NOSED END - SCRAPER																																				
11	THIN NOSED END - SCRAPER																																				
12	INVERSE END - SCRAPER																																				
13	CHAM. PIECE OBLIQUE RET. TRUNC			2	1	3	2	1						9	7-83																						
14	CHAM. PIECE ON LATERAL PREP.			2	1	2	2				2	2		11	9-56																						
15	CONCAVE PIECE ON LATERAL PREP.			2							2			5	4-35																						
16	CHAM. PIECE CONVEX RET. TRUNC													1	0-87																						
17	MULTIPLE CHAM. PIECE																																				
18	END - SCRAPER BURIN													2	1-74																						
19	TRUNCATED BURIN																																				
20	BURIN - TRUNCATED BLADE																																				
21	TRUNCATED BLADE													1																							
22	PIERCER																																				
23	DIHEDRAL STRAIGHT BURIN																																				
24	DIHEDRAL BURIN													6	2	1-74																					
25	DIHEDRAL BURIN ANGLE																																				
26	DIHEDRAL BURIN ON A BREAK																																				
27	MULTIPLE DIHEDRAL BURIN																																				
28	FLAT - FACED CARINAT. BURIN																																				

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL IVF

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRISAGE	LEVALLOIS		NON-LEVALLOIS		RETOUCH							BUTTS			MISCELLANEOUS												
	1	2	3	60:00	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES		
POINTS																											
FRAGS																											
FLAKES	1				1	20:00					1						1					1					
FRAGS	1		1		2	40:00					2																
BLADES			2		2	40:00					2						1					2					
FRAGS																											
BLADELETS																											
FRAGS																											
TOTAL	2	3			5						5						2			1		3					
%	40:00	60:00															66.67				33.33						

LEVEL IVf

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	10		10	
DIS. FRAGS	1	1	2	
MES. FRAGS	1		1	
PROX. FRAGS	2		2	
TOTAL 1	14	1	15	15.0
%	93.33	6.67		
FLAKES	6	7	13	
DIS. FRAGS		2	2	
MES. FRAGS		6	6	
PROX. FRAGS	6	2	8	
TOTAL 2	12	17	29	29.00
%	41.38	58.62		
FLAKE BLADES	6	10	16	
DIS. FRAGS		7	7	
MES. FRAGS		1	1	
PROX. FRAGS	4		4	
TOTAL 3	10	18	28	28.00
%	35.72	64.28		
BLADES	7	9	16	
DIS. FRAGS		6	6	
MES. FRAGS	1	2	3	
PROX. FRAGS				
TOTAL 4	8	17	25	25.00
%	32.00	68.00		
BLADELETS				
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS		2	2	
TOTAL 5		3	3	3.00
%				
TOTAL 1+5	44	56		
%	44.00	56.00		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI- FORM	LINEAR	BROKEN	TOTAL	%
6	3		1						10	
1	1								2	
7	4	1							12	16.9
58.33	33.33	8.33								
2	2	2	3		1	2	1		13	
	3	3	2						8	
2	5	5	5		1	2	1		21	29.58
9.52	23.81	23.81	23.81		4.76	9.52	4.76			
4	2	3	2		1	1	3		16	
3	1								4	
7	3	3	2		1	1	3		20	28.17
35.00	15.00	15.00	10.00		5.00	5.00	15.00			
4	2	1	2		2	4	1		16	
4	2	1	2		2	4	1		16	22.53
25.00	12.50	6.25	12.50		12.50	25.00	6.25			
	1				1				2	
	1				1				2	2.82
	50.00				50.00					
20	15	10	9		5	7	5		71	
28.17	21.13	14.08	12.68		7.04	9.86	7.04			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS		1		1	
FLAKES	4			4	
FLAKE BLADES	2		2	4	
BLADES	1			1	
BLADELETS					
TOTAL	7	1	2	10	
%	7.00	1.00	2.00		

LEVEL IVF

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE	5	19.23	5		5	21.74			
LEVALLOIS POINT	5	19.23	5		5	21.74			
PYRAMIDAL	4	15.38		4	4	17.39			
PRISMATIC - 1 PLATFORM	9	34.62		9	9	39.13			
PRISMATIC - 2 PLATFORMS									
GLOBULAR									
SHAPELESS	1	3.85							
DEBRIS	2	7.69							
TOTAL	26		10	13	23				

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
1	4	2					16		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
	1	8					9

HAMMERSTONES

WHOLE	FRAG.	TOTAL
1	1	2

PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL
2

TYPES	DEBITAGE						TOOLS				BUTTS						MISCELLANEOUS																		
	Whole	Frag.	LEV. FLAKES	Whole	FLAKES	Whole	Frag.	LEV. BLADES	Whole	BLADES	Frag.	Whole	BLADELETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Puncti-Form	Linear	Broken	Total	Cortex	Crested	Blades	Sec. Patina	Fractures				
1			9	2	5	6	3	3	2	4					34	18-58	2	4	3	7			1	2	19	5	1				1				
2						2									2	1-09																			
3						1				1					2	1-09																	1		
4			3	2	2	2	1	1	1						8	4-37	1		4						1	6	3								
5			3	1	2	1	1	1	1						7	3-83	3	1	1				1	1	5							1	1		
6																																			
7																																			
8																																			
9																																			
10																																			
11			3		2	2									5	2-73	2		1							3									
12																																			
13			2	1	2	2	1	1	1						8	4-37	3	1							2	6									
14			1	5	5	4	1	3	6						25	13-66	3	5	1	2			1	2	14	4							2		
15			3	2			1	1							6	3-28	3							3	6	1							1		
16			1												1	0-55	1																		
17																																			
18			1				2	1	1						4	2-19											1						1		
19																																			
20																																			
21																																			
22																																			
23																																			
24																																			
25																																			
26																																			
27																																			
28																																			

TYPES	DEBITAGE						TOOLS					BUTTS						MISCELLANEOUS								
	Whole	Frag	LEV FLAKES	FLAKES	LEV BLADES	BLADES	BLADELETS	Frag	Whole	BLADELETS	Frag	Whole	Faceted	Dihedral	Plain	Natural	Puncti-Form	Linear	BROKEN	TOTAL	Cortex	CRESTED	BLADES	SEC PATINA	Therm	
29 BURIN ON A STRAIGHT RET. TRUNC																										
30 BURIN ON AN OBLIQUE RET. TRUNC																										
31 BURIN ON A CONCAVE RET. TRUNC																										
32 BURIN ON A CONVEX RET. TRUNC																										
33 MULTIPLE BURIN TRUNC																										
34 MULTIPLE BURIN																										
35 BURIN ON A LATERAL PRÉP.																										
36 KSAR'AKIL POINT	3																									
37 BACKED PIECE	1																									
38 PARTIALLY BACKED PIECE	1																									
39 DOUBLE BEVEL PIECE																										
40 STRAIGHT RET. TRUNCATION	1																									
41 OBLIQUE RET. TRUNCATION	3																									
42 CONCAVE RET. TRUNCATION	1																									
43 CONVEX TRUNCATION	1																									
44 DOUBLE TRUNCATION	1																									
45 AURIGNACIAN BLADE																										
46 POINT A & FACE PLANE																										
47 BROAD BY RET	7	2																								
48 NOTCHED PIECE																										
49 DENTICULATED PIECE																										
50 SPLINTERED PIECE																										
51 SIDE SHARPER																										
52 NOTCHED BLADELET																										
53 BLADELET WITH INVERSE RET																										
54 DIVERS	1	1	1	3	1	1	3	1	1	8	383															
TOTAL	13	3	36	3	32	34	18	9	17	17	1	183	39	28	7	21	1	5	16	117	29	2	1	8		
%	7.10	1.64	19.67	1.64	17.49	19.58	9.64	4.92	9.29	9.29	0.55	33.33	23.93	5.98	17.95	0.85	4.27	13.66	15.17	1.09	0.55	4.37				

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

LEVEL IV•

TECHNOLOGY

RETOUCH

BUTTS

MISCELLANEOUS

.DEBRISAGE.	LEVALLOIS		NON-LEVALLOIS		1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	FACETED				MISCELLANEOUS						
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC PATINA	THERM. FACTURES	
POINTS	1		1								1	8-33		1					1				1
FRAGS																							
FLAKES		1	1								1	8-33							1				
FRAGS	1	4	3	1	1						5	41-67		1					1				1
BLADES		1	1								1	8-33						1	1				
FRAGS		2	2	2	2						4	33-33		1				1	3				
BLADELETS																							
FRAGS																							
TOTAL	4	8	8	3	1	12								1	3	1		2	7				2
%	33-33	66-67	66-67	25-00	8-33									14-29	42-86	14-29		28-57					16-67

LEVEL IV

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	20	3	23	
DIS. FRAGS	1		1	
MES. FRAGS	2		2	
PROX. FRAGS	2		2	
TOTAL 1	25	3	28	7.63
%	89.28	10.72		
FLAKES	12	35	47	
DIS. FRAGS	4	8	12	
MES. FRAGS	2	18	20	
PROX. FRAGS	48	27	75	
TOTAL 2	66	88	154	41.96
%	42.85	57.15		
FLAKE BLADES	14	37	51	
DIS. FRAGS		10	10	
MES. FRAGS	1	10	11	
PROX. FRAGS	22	24	46	
TOTAL 3	37	81	118	32.15
%	31.35	68.65		
BLADES	10	13	23	
DIS. FRAGS		5	5	
MES. FRAGS		3	3	
PROX. FRAGS	4	9	13	
TOTAL 4	14	30	44	11.99
%	31.82	68.18		
BLADELETS		7	7	
DIS. FRAGS		9	9	
MES. FRAGS		3	3	
PROX. FRAGS		4	4	
TOTAL 5		23	23	6.27
%				
TOTAL 1-5	142	225	367	
%	38.7	61.31		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
9	6	2	5					1	23	
1									1	
10	6	2	5					1	24	8.28
41.67	25.0	8.33	20.83					4.17		
13	5	4	15		1	2	7	47		
35	13	5	10		3	3	6	75		
48	18	9	25		4	5	13	122	42.07	
39.34	14.75	7.38	20.49		3.28	4.09	10.66			
8	2	4	20		3	11	3	51		
14	6	6	7		3	4	6	46		
22	8	10	27		6	15	9	97	33.45	
22.68	8.25	10.30	27.83		6.19	15.46	9.28			
3	2	2	7		1	5	3	23		
4	1	2	2		1	2	1	13		
7	3	4	9		2	7	4	36	12.41	
19.44	8.33	11.11	25.0		5.56	19.44	11.11			
2					4	1		7		
1						2	1	4		
3					4	3	1	11	3.79	
27.27					36.36	27.27	9.09			
9.0	35	25	66		16	30	28	290		
31.03	12.07	8.62	22.76		5.52	10.34	9.66			

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS	1		1	2	
FLAKES	17		10	27	
FLAKE BLADES	18		10	28	
BLADES	16			16	
BLADELETS	1			1	
TOTAL	53		21	74	
%	14.44		5.72		

LEVEL IV•

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE	4	7.14	3		3	6.67			
LEVALLOIS BLADE	8	14.29	13		13	28.89			
LEVALLOIS POINT	7	12.50	7		7	15.56			
PYRAMIDAL	11	19.69		11	11	24.44			
PRISMATIC - 1 PLATFORM	5	8.93		5	5	11.11			
PRISMATIC - 2 PLATFORMS	2	3.57		4	4	8.89			
GLOBULAR									
SHAPELESS	5	8.93	1	1	2	4.44			
DEBRIS	14	25.00							
TOTAL	56		24	21	45				

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS. 1 PLAT.	PRIS. 2 PLAT.					
19			14		2		35		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
		5					5

HAMMERSTONES

WHOLE	FRAG.	TOTAL
3		3

PEBBLES

WHOLE	FRAG	TOTAL

RED OCHRE

TOTAL
2

LEVEL IVd

TYPES	DEBITAGE										TOOLS					BUTTS							MISCELLANEOUS							
	Whole	Frag	LEV. FLAKES	FLAKES	LEV. BLADES	BLADES	BLADELETS	Whole	Frag	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Function-Form	Linear	Broken	TOTAL	Cortex	Crested	Blades	Sec	Patina	Fractures			
29 BURIN ON A STRAIGHT RET. TRUNC																														
30 BURIN ON AN TRUNC																														
31 BURIN ON A OBLIQUE RET. TRUNC																														
32 BURIN ON A CONCAVE RET. TRUNC																														
33 BURIN ON A CONVEX RET. TRUNC																														
34 BURIN ON A TRUNCLE BURIN																														
34 MULTIPLE BURIN																														
35 BURIN ON A MIXED BURIN																														
35 BURIN ON A LATERAL PREP.																														
36 BURIN ON A PART AKIL																														
37 BURIN ON A BACKED PIECE																														
38 PARTIALLY BACKED PIECE																														
39 DOUBLE PART BACKED PIECE																														
40 STRAIGHT TRUNCATION																														
41 OBLIQUE TRUNCATION																														
42 CONCAVE RET. TRUNCATION																														
43 CONVEX RET. TRUNCATION																														
44 DOUBLE THORACIAN BLADE																														
45 BURIN ON A THORACIAN BLADE																														
46 POINT A & FACE PLANE																														
47 BLADE POINTED BY RET																														
48 NOTCHED PIECE																														
49 NOTCHED PIECE CULATED																														
50 SPUNTERED PIECE																														
51 SIDE SCRAPER																														
52 TRUNCATED BLADE																														
53 BLADE WITH INVERSE RET																														
54 DIVERS																														
TOTAL	2	1	5	3	3	6	1	21	14	28	28	57	4	76	18	18	27	27	9	08	1	4	11	4	1	19	05	4	76	
%	9.52	4.76	23.81	14.29	14.29	28.57	4.76	21	14.29	28.57	4.76	18.18	27.27	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	9.09	

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBRITAGE	LEVALLOIS		NON-LEVALLOIS					TOTAL		%	convex			straight			DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES			
	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	convex		FACETED	straight	FACETED	BROKEN	TOTAL														
POINTS																													
FRAGS																													
FLAKES	1		1	1			1	20.00				1	20.00										1						
FRAGS		1		1			1	20.00																					
BLADES		2	1	1			2	40.00															2						
FRAGS		1		1			1	20.00																					
BLADELETS																													
FRAGS																													
TOTAL	1	4	3	2			5					1										2							
%	20.00	80.00	60.00	40.00								25.00										50.00							25.00

LEVEL IVd

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS	1		1	
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL	1		1	1-8.9
0/0				
FLAKES	1	4	5	
DIS. FRAGS		1	1	
MES. FRAGS		7	7	
PROX. FRAGS	4	6	10	
TOTAL	2	5	18	23
0/0	21-73	88-27		43-39
FLAKE BLADES	5	11	16	
DIS. FRAGS		1	1	
MES. FRAGS				
PROX. FRAGS	2	1	3	
TOTAL	3	7	13	20
0/0	35-0	65-0		37-74
BLADES		4	4	
DIS. FRAGS		1	1	
MES. FRAGS				
PROX. FRAGS		1	1	
TOTAL	4		6	6
0/0		6	6	11-32
BLADELETS		1	1	
DIS. FRAGS				
MES. FRAGS		1	1	
PROX. FRAGS		1	1	
TOTAL	5		3	3
0/0		3	3	5-6.6
TOTAL 1-5	13	40	53	
0/0	24-53	75-55		

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
	1								1	
	1								1	2-27
	3	1	1						5	
2	4			4					10	
2	9		1	5					17	38-64
11-76	52-94		5-88	29-41						
7	3	1	2				1	2	16	
1				1		1			3	
8	3	1	3			1	1	2	19	43-18
42-11	15-79		5-26	15-79		5-26	5-26	10-53		
							2	2	4	
			1						1	
			1				2	2	5	11-36
		20-0					40-0	40-0		
			1						1	
				1					1	
				1					2	4-55
			50-0	50-0						
10	13	4	9			1	3	4	44	
22-72	29-55		9-09	20-45		2-27	6-82	9-09		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	0/0
POINTS					
FLAKES	2			2	
FLAKE BLADES	3			3	
BLADES	1			1	
BLADELETS	6			6	
TOTAL	12			12	
0/0	22-64				

LEVEL IVd

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE	1	16.67	1	1	2	33.33			
LEVALLOIS POINT	2	33.33	2		2	33.33			
PYRAMIDAL									
PRISMATIC - 1 PLATFORM									
PRISMATIC - 2 PLATFORMS	1	16.67		2	2	33.33			
GLOBULAR									
SHAPELESS	1	16.67							
DEBRIS	1	16.67							
TOTAL	6		3	3	6				

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM. C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
3			4				7	1	

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
		4					4

HAMMERSTONES

WHOLE	FRAG.	TOTAL
1		1

PEBBLES

WHOLE	FRAG.	TOTAL
	1	1

RED OCHRE

TOTAL

TYPES	DEBITAGE										TOOLS							BUTTS						MISCELLANEOUS													
	Whole	Frag.	LEV. FLAKES	Whole	Frag.	FLAKES	Whole	Frag.	LEV. BLADES	Whole	Frag.	BLADES	Whole	Frag.	BLADELETS	Frag.	TOTAL	%	Convex	Faceted	Straight	Dihedral	Plain	Natural	Punctiform	Linear	Broken	TOTAL	CorTEX	Crested	Blades	Sec. Patina	Therm. Fractures				
1 END - SCRAPER					2			6	2							10	18.86			1						4	1		6			1					
2 ATYPICAL					2																																
3 END - SCRAPER			1		2												3				1																
4 DOUBLE SCRAPER					1												1	1.89																			
5 END - SCRAPER																																					
6 END - SCRAPER ON A RET. FLAKE						2											4	7.54																			
7 FRONT CARINAT ON AN AURIG. BLADE								1									2	3.77																			
8 END - SCRAPER					1												1	1.89																			
9 A.T.P. CARINAT																																					
10 THICK NOSED																																					
11 SHOULDERED																																					
12 END - SCRAPER																																					
13 CHAM. PIECE																																					
14 CHAM. PIECE ORBLOUE RET. TRUNC ON LATERAL PREP.																																					
15 CHAM. PIECE CONCAVE RET. TRUNC																																					
16 CHAM. PIECE CONVEX RET. TRUNC																																					
17 CHAM. PIECE																																					
18 END - SCRAPER																																					
19 END - SCRAPER TRUNCATED BLADE																																					
20 BURIN TRUNCATED BLADE																																					
21 PIERCER																																					
22 DIHEDRAL BURIN STRAIGHT																																					
23 DIHEDRAL BURIN ASYM.																																					
24 DIHEDRAL BURIN ANGLE																																					
25 DIHEDRAL BURIN ON A BREAK																																					
26 MULTIPLE DIHEDRAL BURIN																																					
27 CARINATED BURIN																																					
28 BURIN FACED CARINAT. BURIN																																					

LEVEL IVc

· SEMI-ABRUPT DISCONTINUOUS RETOUCH ·

MISCELLANEOUS

BUTTS

RETOUCH

TECHNOLOGY

DEBITAGE	LEVALLOIS		RETOUCH						BUTTS				MISCELLANEOUS											
	LEVALLOIS	NON-LEVALLOIS	1 edge	NORMAL	2 edges	1 edge	INVERSE	2 edges	TOTAL	%	CONVEX	FACETED	straight	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	CORTEX	SEC. PATINA	THERM. FACTURES	
POINTS																								
FRAGS																								
FLAKES																								
FRAGS		1	1						1	16.67														
BLADES		3	3		3				3	50.00							2	1		3				
FRAGS		2	1	1					2	33.33												1		
BLADELETS																								
FRAGS																								
TOTAL		6	2	4					6								2	1		3			1	
%			33.33	66.67													66.67	33.33					16.67	

LEVEL IVc

BLANKS

TECHNOLOGY

DEBITAGE	LEVALLOIS	NON LEVALLOIS	TOTAL	%
POINTS				
DIS. FRAGS				
MES. FRAGS				
PROX. FRAGS				
TOTAL 1				
%				
FLAKES	7	7		
DIS. FRAGS				
MES. FRAGS	12	12		
PROX. FRAGS	3	3		
TOTAL 2	22	22	34.92	
%				
FLAKE BLADES	8	8		
DIS. FRAGS	3	3		
MES. FRAGS	3	3		
PROX. FRAGS				
TOTAL 3	14	14	22.22	
%				
BLADES	8	8		
DIS. FRAGS	3	3		
MES. FRAGS	1	1		
PROX. FRAGS	1	1		
TOTAL 4	13	13	20.63	
%				
BLADELETS	11	11		
DIS. FRAGS	1	1		
MES. FRAGS	2	2		
PROX. FRAGS				
TOTAL 5	14	14	22.22	
%				
TOTAL 1-5	63	63		
%				

BUTTS

CONVEX	FACETED	STRAIGHT	DIHEDRAL	PLAIN	NATURAL	PUNCTI-FORM	LINEAR	BROKEN	TOTAL	%
				1	2	2			7	
1						1	1		3	
3				1	2	3			10	26.32
30.0				10.0	20.0	30.0	10.0		100	
				1		6	1		8	
				1		6	1		8	24.05
				12.50		75.0	12.50			
	1					5	1	1	8	
	1					5	2	1	9	25.68
	11.11					55.56	22.22	11.11		
						10	1		11	
						10	1		11	28.95
						90.90	9.09			
3	1			2	2	24	5	1	38	
7.89	2.63			5.26	5.26	63.16	13.16	2.63		

MISCELLANEOUS

DEBITAGE	CORTEX	SEC. PATINA	THERM FRACTURES	TOTAL	%
POINTS					
FLAKES	1		1	2	
FLAKE BLADES	1			1	
BLADES					
BLADELETS					
TOTAL	2		1	3	
%	3.17		1.59		

LEVEL IVc

CORE TYPE

CORE TYPES	TOTAL	%	PLATFORMS		TOTAL	%	RUBBED PREP.	%	THERM. FRACTURES
			FACETED	PLAIN					
DISCOIDAL									
LEVALLOIS FLAKE									
LEVALLOIS BLADE									
LEVALLOIS POINT									
PYRAMIDAL	2	33.33		2	2	25.00			
PRISMATIC - 1 PLATFORM	2	33.33		2	2	25.00			
PRISMATIC - 2 PLATFORMS	2	33.33		4	4	50.00			
GLOBULAR									
SHAPELESS									
DEBRIS									
TOTAL	6			8	8		1		

CORE PREPARATION PIECES

CRESTED BLADES		PLUNGING BLADES			CORE TABLETS	FLANC DE NUCLEUS	BASES of PYRAM.C.	TOTAL	THERM. FRACTURES
UNIFACIAL	BIFACIAL	PYRAM.	PRIS.1 PLAT.	PRIS.2 PLAT.					
8			4		1		13		

BURIN SPALLS

FIRST	SHARPENING	DORSAL PREP.	PLUNGING	PLUNGING & SHARPENING	PLUNGING & DORSAL PREP.	SHARPENING & DORSAL PREP.	TOTAL
		12					12

HAMMERSTONES

WHOLE	FRAG.	TOTAL

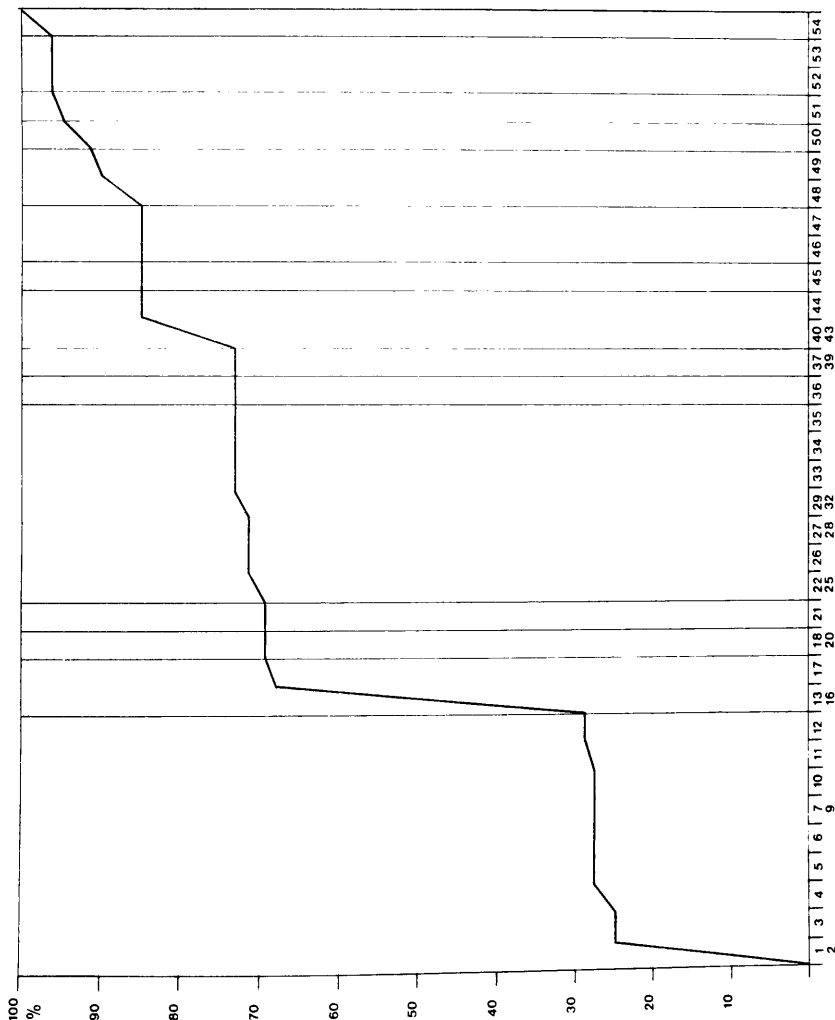
PEBBLES

WHOLE	FRAG.	TOTAL

RED OCHRE

TOTAL

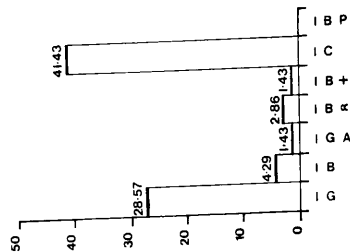
TOOL TYPES



1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	ATYPICAL SCRAPER	29	BURIN ON AN OBLIQUE RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OGIVAL END SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONCAVE RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE TRUNC BURIN
7	FRONT SCRAPER	34	MIXED BURIN
8	LAT CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	A TYP CARINAT END SCRAPER	36	KSAR'AKIL POINT
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERTED SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE OBLIQUE RET TRUNC	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	OBLIQUE RET TRUNC
15	CHAM PIECE ON CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE ON CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE CHAM PIECE	44	DOUBLE TRUNCATION
18	END SCRAPER BURIN	45	AURIGNACIAN BLADE
19	END SCRAPER TRUNC BLADE	46	POINT ON A FACE PLANE
20	BURIN BLADE	47	POINTED BY RET TRUNC
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL BURIN STRAIGHT	49	DENTICULATED PIECE
23	DIHEDRAL BURIN ASHMOLE PIECE	50	SPLINTERED PIECE
24	DIHEDRAL BURIN ANGLE	51	SCRAPER
25	DIHEDRAL ANGLE BURIN ON A BREAK	52	TRUNCATED BLADELET
26	MULTIPLE DIHEDRAL BURIN WITH INVERS RET CARINATED	53	BLADELET WITH INVERS RET
27	BURIN	54	DIVERS

TOOL TYPES

LEVEL XXV
SO. E4



LEVALLOIS

50%



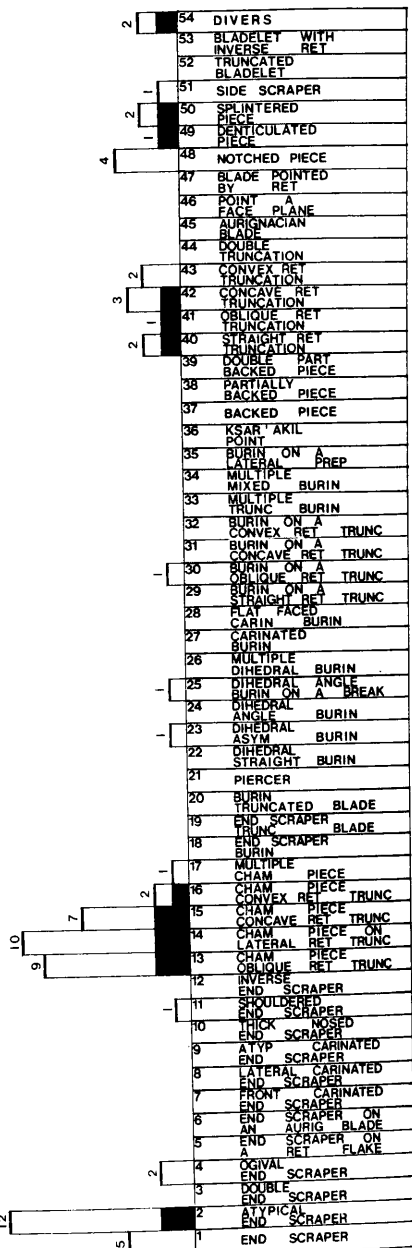
40%

30%

20%

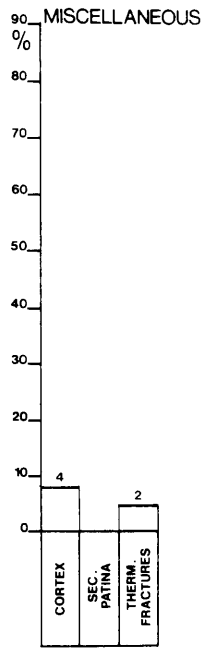
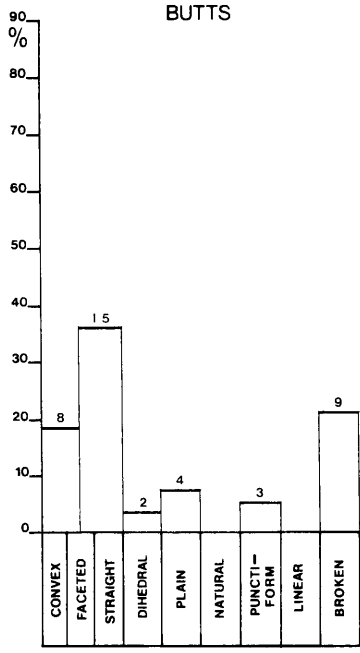
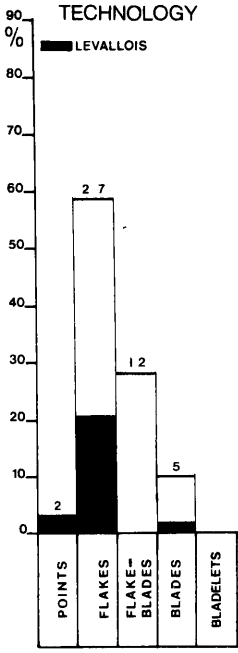
10%

0

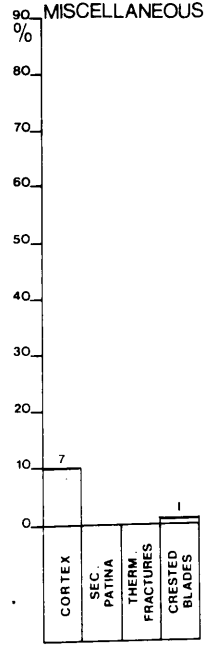
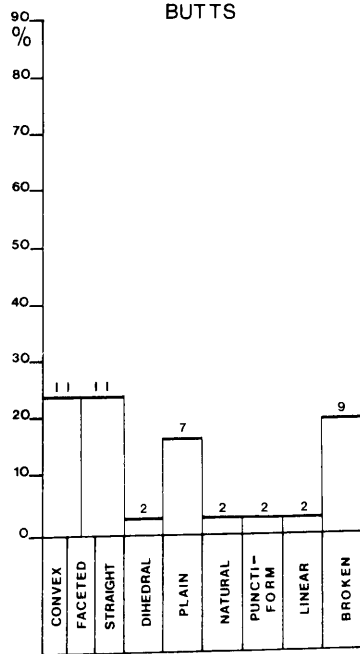
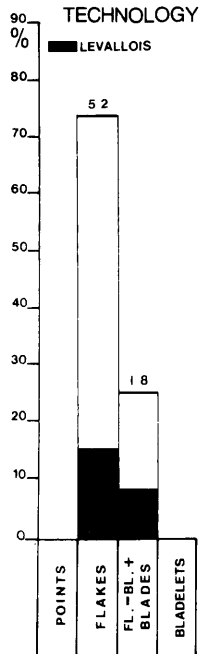


LEVEL XXV
SQ. E4

BLANKS

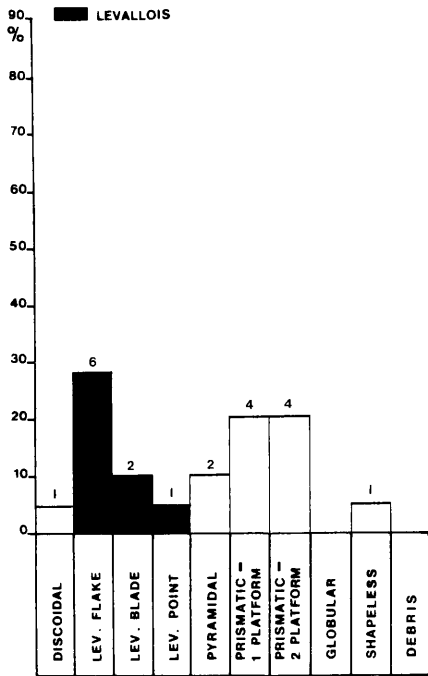


DEBITAGE OF TOOLS

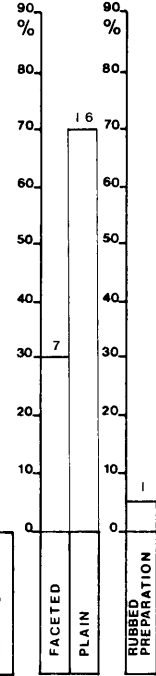


LEVEL XXV
SQ. E4

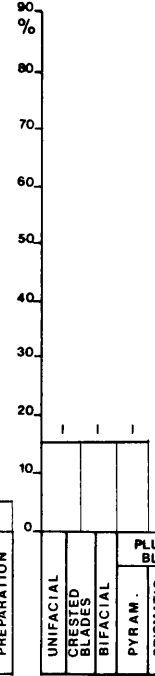
CORE TYPES



PLATFORMS.

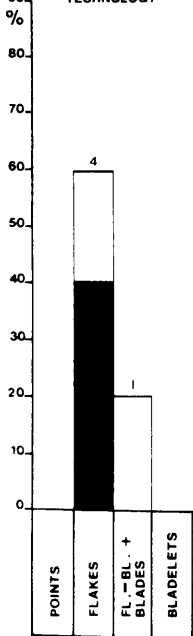


RUBBED PREP.

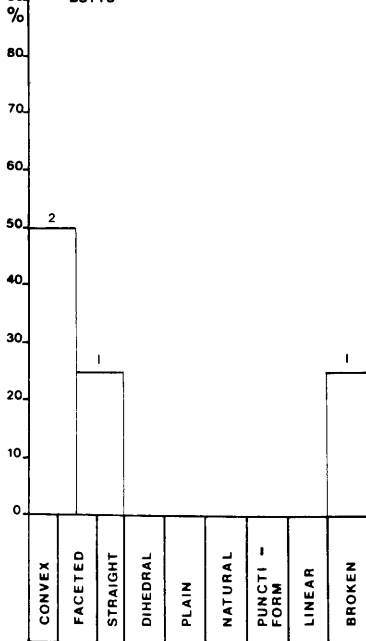


CORE PREPARATION PIECES

DEBITAGE OF PIECES WITH TECHNOLOGY

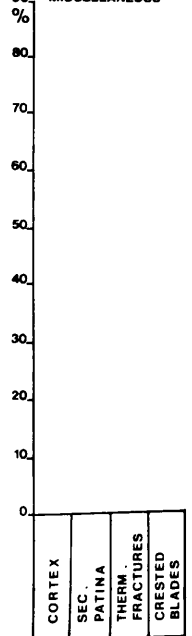


SEMI-APRUPT BUTTS



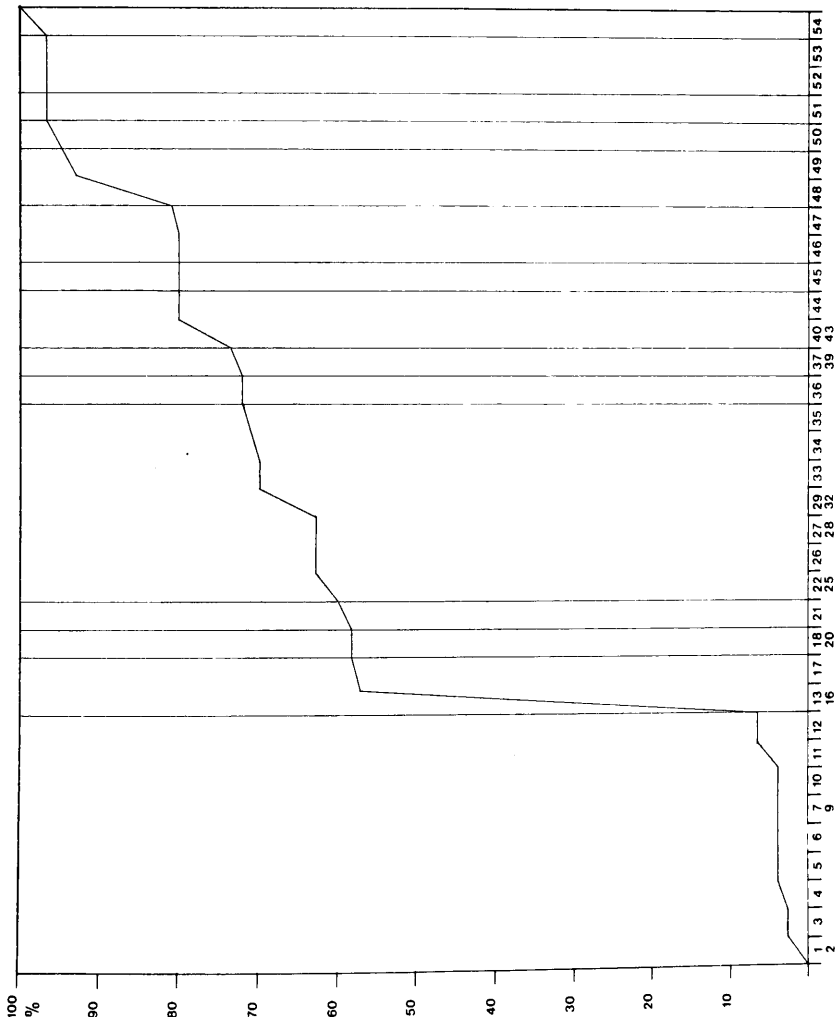
DISCONTINUOUS RETOUCH

MISCELLANEOUS



LEVEL XXIV
SQ E4 AND F4

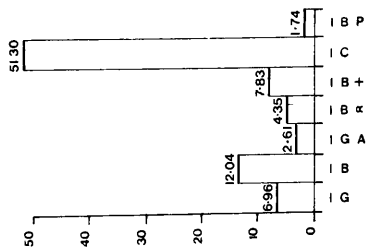
TOOL TYPES



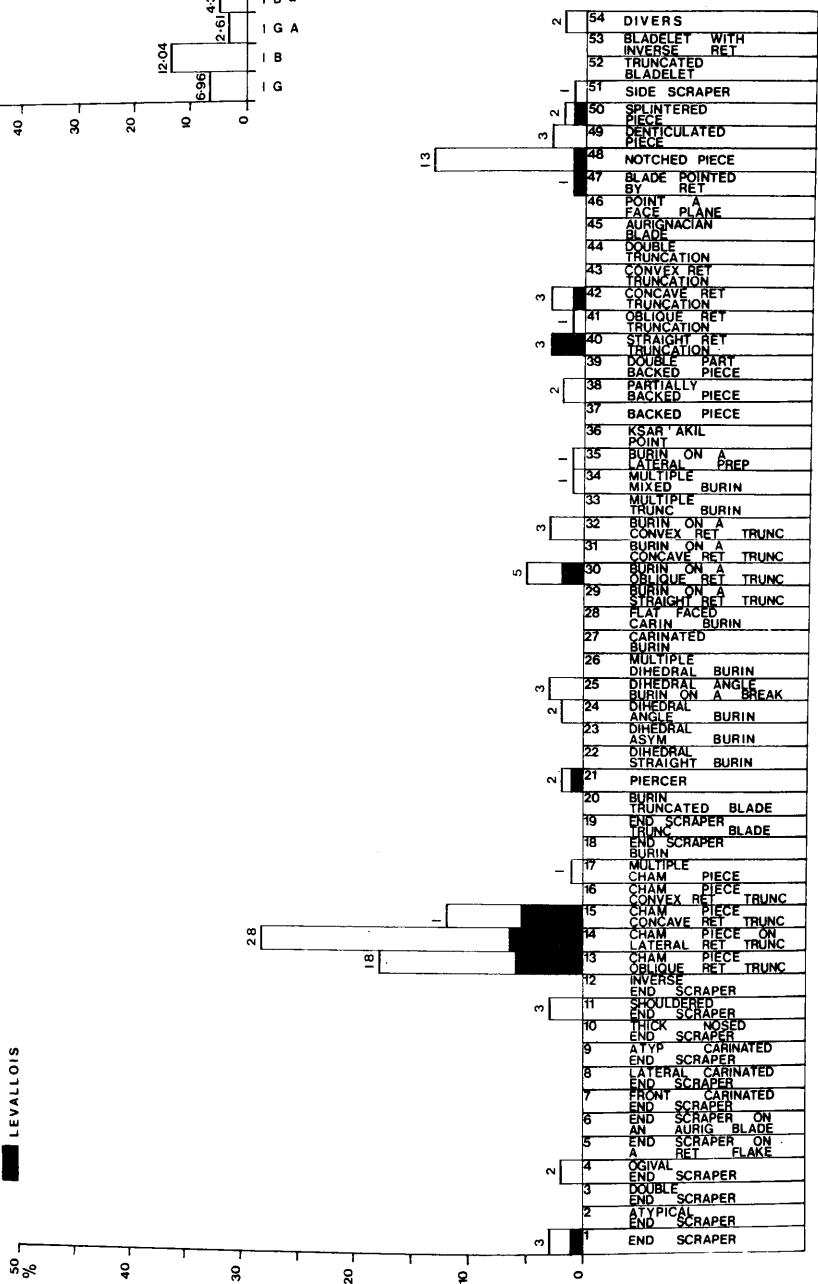
1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	A TYPICAL END SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	IGNI SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONVEX RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE TRUNC BURIN
7	FRONT CARINAT END SCRAPER	34	MULTIPLE MIXED BURIN
8	FLAT CARINAT LATERAL PREP	35	BURIN ON A LATERAL PREP
9	END SCRAPER	36	RET AXIL POINT
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE TRUNC	40	STRAIGHT BURIN
14	CHAM PIECE ON LATERAL PREP	41	OBLIQUE RET TRUNC
15	CHAM PIECE CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	CHAM PIECE	44	DOUBLE BURIN
18	BURIN SCRAPER	45	AURIGNACIAN BLADE
19	END SCRAPER TRUNC BLADE	46	POINT A FACE PLANE
20	BURIN BLADE	47	BLADE POINTED BY RET
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL STRAIGHT BURIN	49	DIHEDRAL BURIN
23	DIHEDRAL BURIN ASYM	50	SPINTERED PIECE
24	DIHEDRAL BURIN	51	SIDE SCRAPER
25	DIHEDRAL BURIN ON A BREAK	52	RUNCATED BURIN
26	MULTIPLE DIHEDRAL BURIN	53	BLADE WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

TOOL TYPES

LEVEL XXV
SQ. E4 AND F4

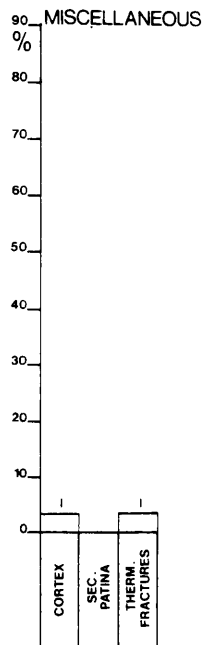
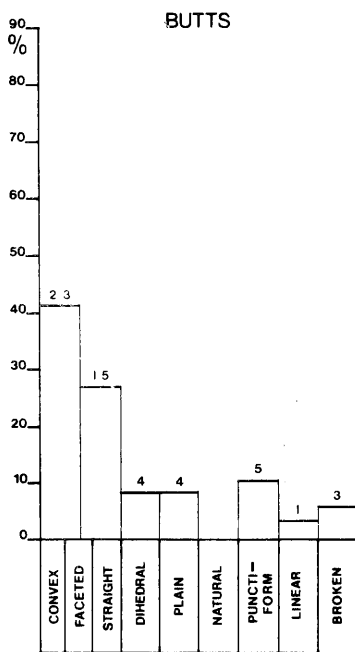
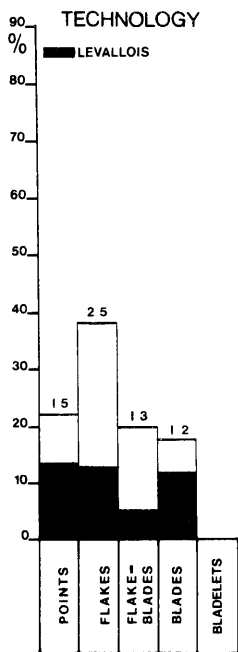


LEVALLOIS

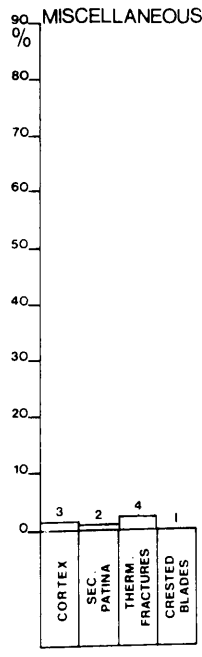
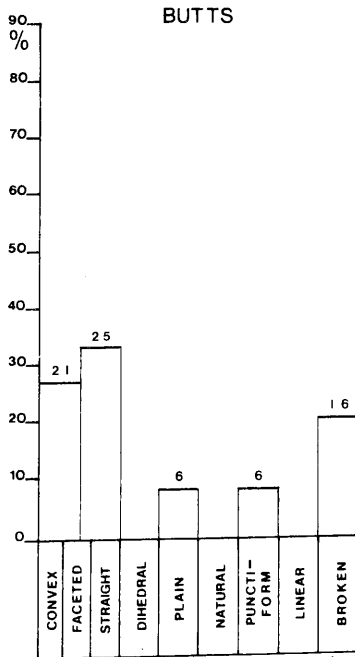
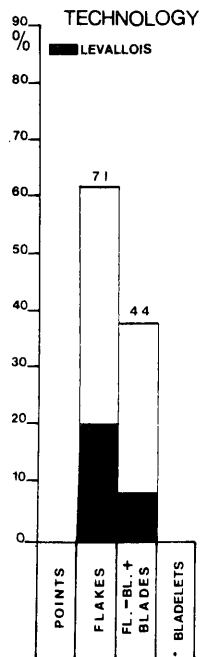


LEVEL XXIV
SQ. E4 AND F4

BLANKS



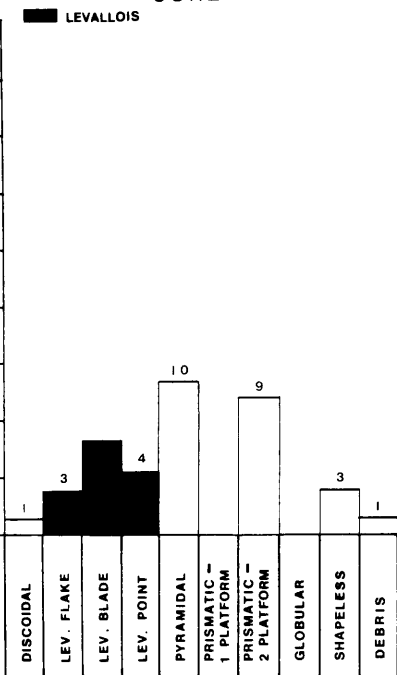
DEBITAGE OF TOOLS



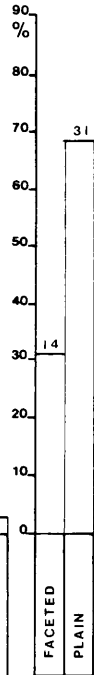
LEVEL XXIV
SO. E4 AND F4

90%
%
80%
70%
60%
50%
40%
30%
20%
10%
0

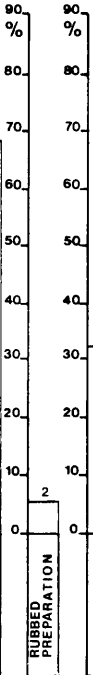
CORE TYPES



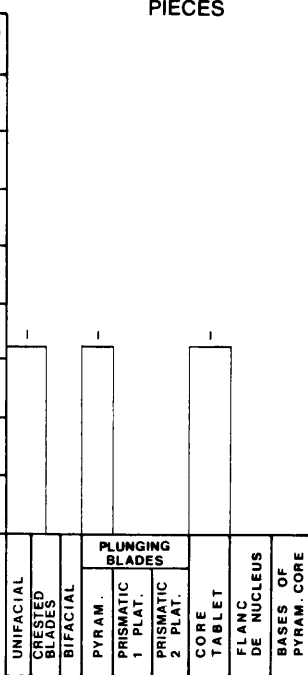
PLATFORMS.



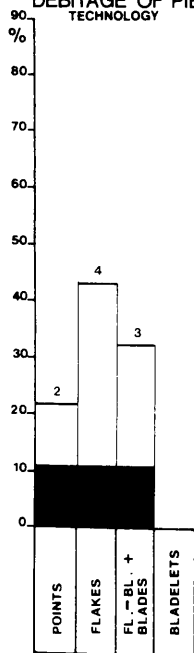
RUBBED PREP.



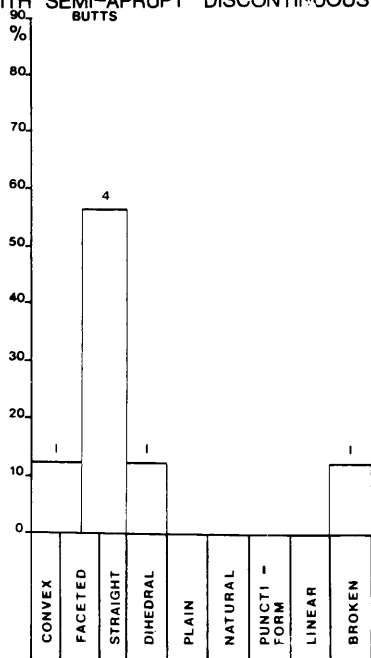
CORE PREPARATION PIECES



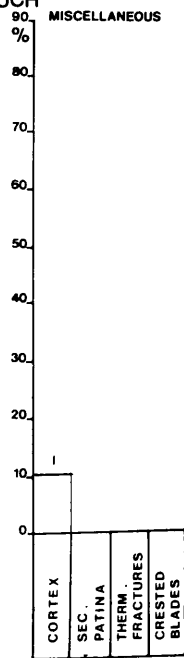
DEBITAGE OF PIECES WITH TECHNOLOGY



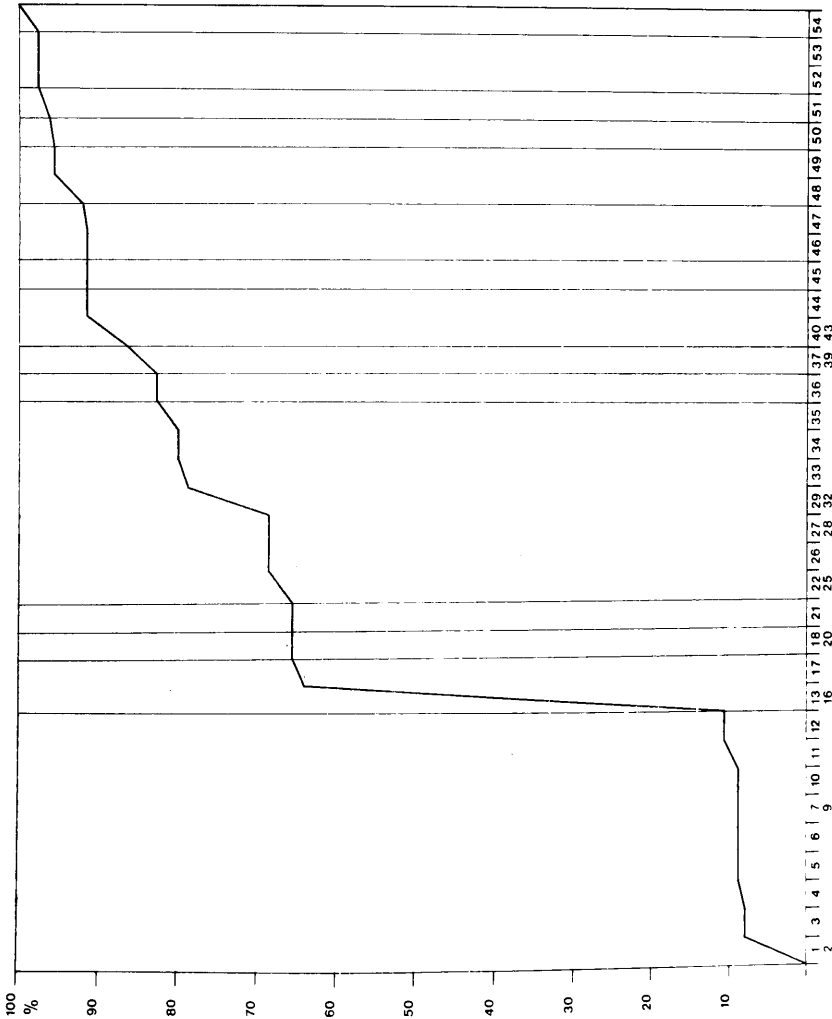
SEMI-APRPT DISCONTINUOUS RETOUCH BUTTS



MISCELLANEOUS



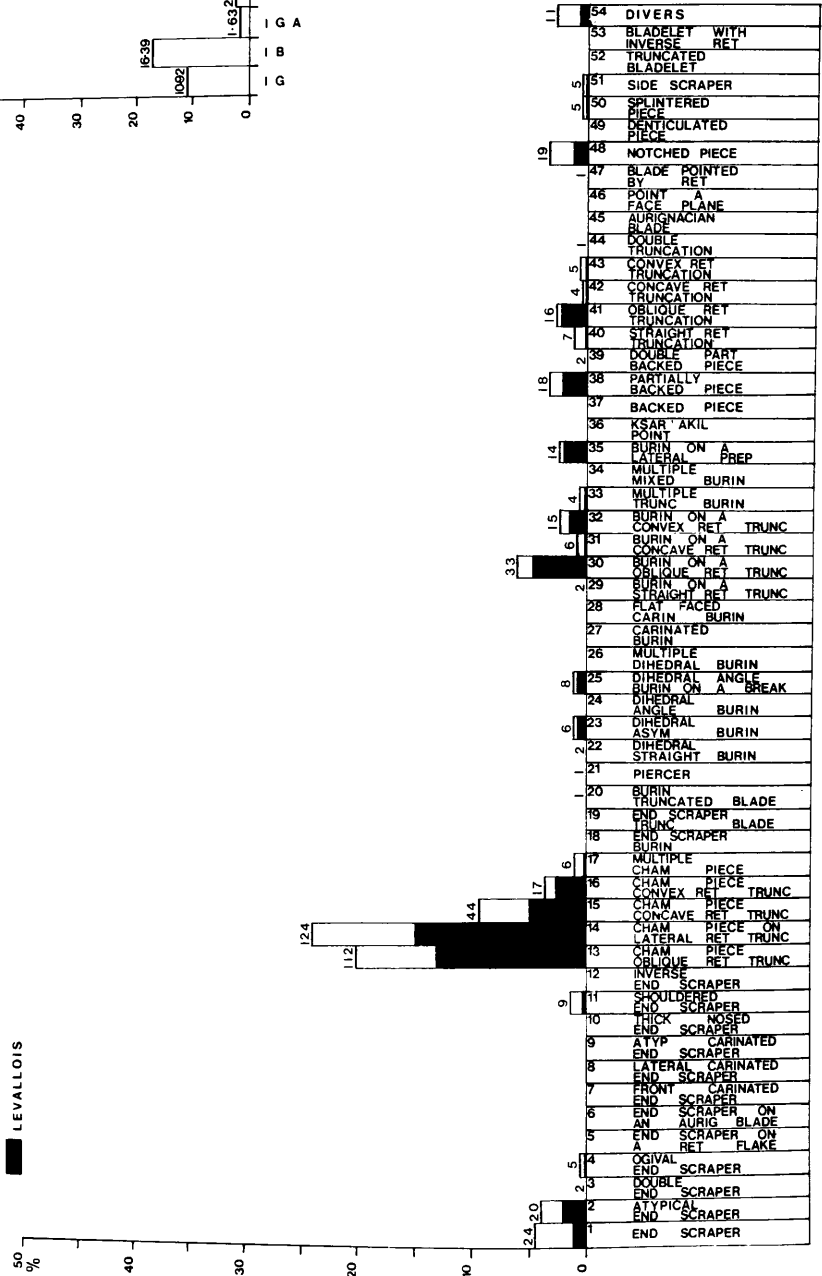
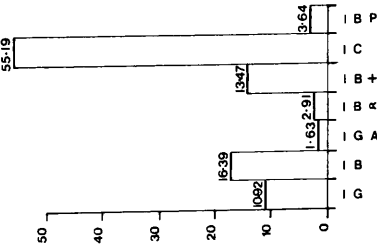
TOOL TYPES



1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	ATYPICAL END SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OGIVAL END SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	SCRAPER ON A RET FLAKE	32	BURIN ON A CONCAVE RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE BURIN TRUNC
7	FRONT CARINAT END SCRAPER	34	MULTIPLE MIXED BURIN
8	LAT CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	END SCRAPER ON A CARINAT BURIN	36	KSAT BURIN
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE OBLIQUE RET TRUNC	40	STRAIGHT RET TRUNC
14	LATERAL PREP ON BURIN	41	BELLIFORM RET TRUNC
15	CHAM PIECE CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE CHAM PIECE	44	DOUBLE TRUNCATION
18	BURIN SCRAPER	45	URGIANCIAN BURIN
19	END SCRAPER TRUNC BLADE	46	POINT A
20	BURIN TRUNC BLADE	47	BLADE POINTED BY RET
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL BURIN STRONG ASYM	49	IDENTICULATED
23	DIHEDRAL BURIN ASYM	50	SPINTERED PIECE
24	DIHEDRAL BURIN ANGLE	51	SIDE SCRAPER
25	DIHEDRAL ANGLE BURIN ON A BREAK	52	TRUNCATED BLADELET
26	DIHEDRAL BURIN WITH INVERS RET	53	INVERSE BURIN
27	CARINATED BURIN	54	DIVERS

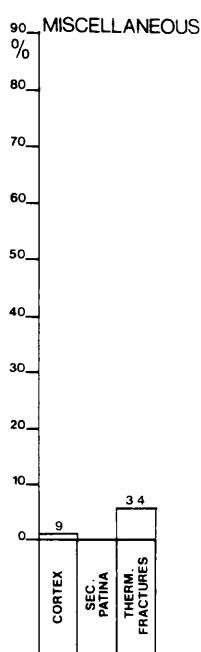
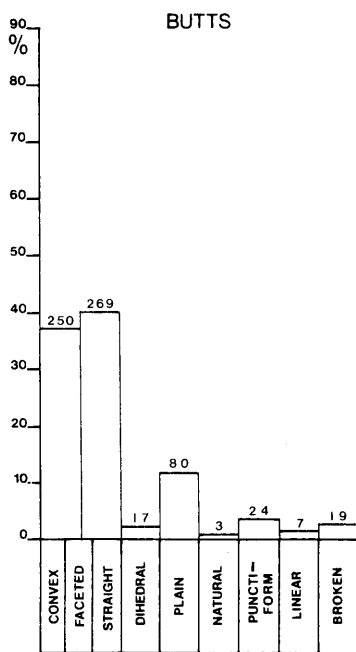
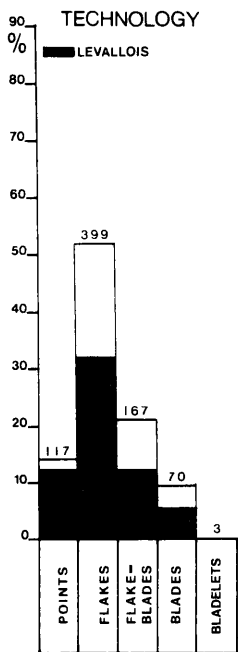
TOOL TYPES

LEVEL XXIII
SO. E4 AND F4

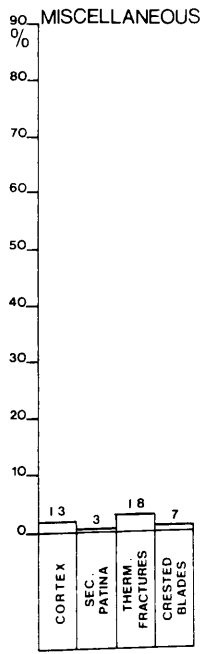
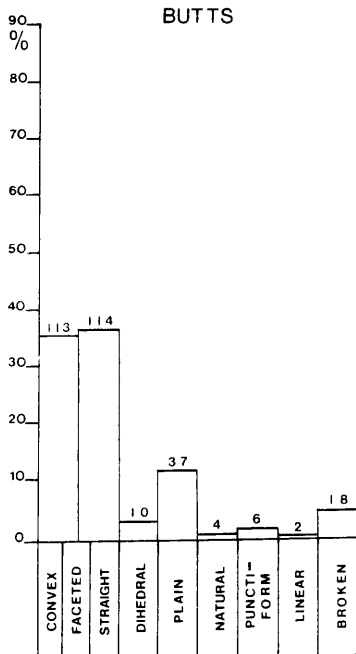
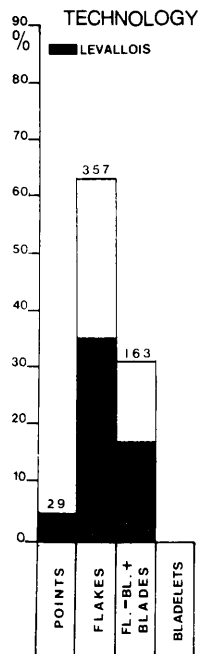


LEVEL XXIII
SQ. E4 AND F4

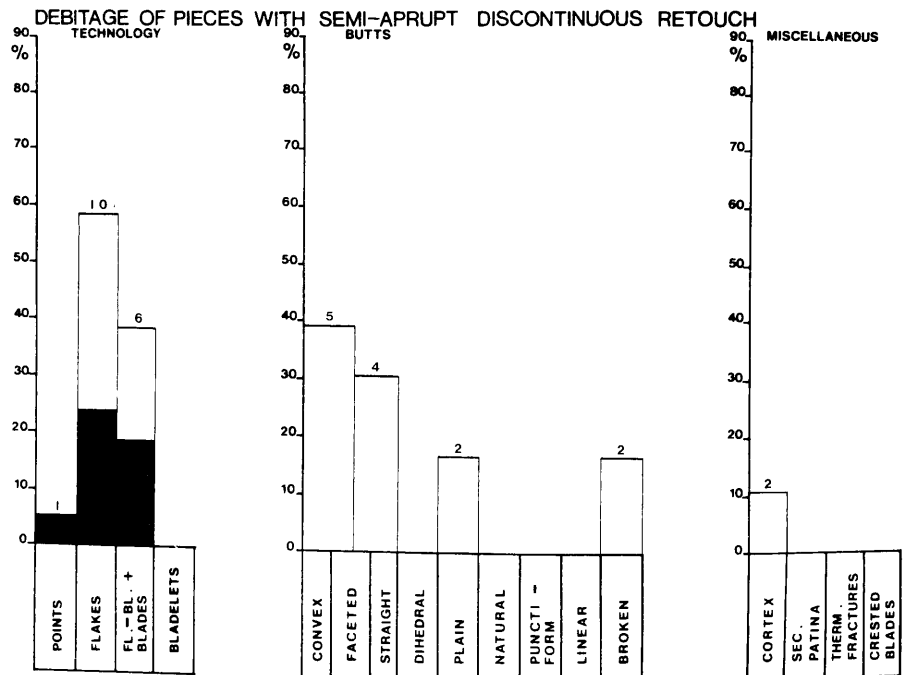
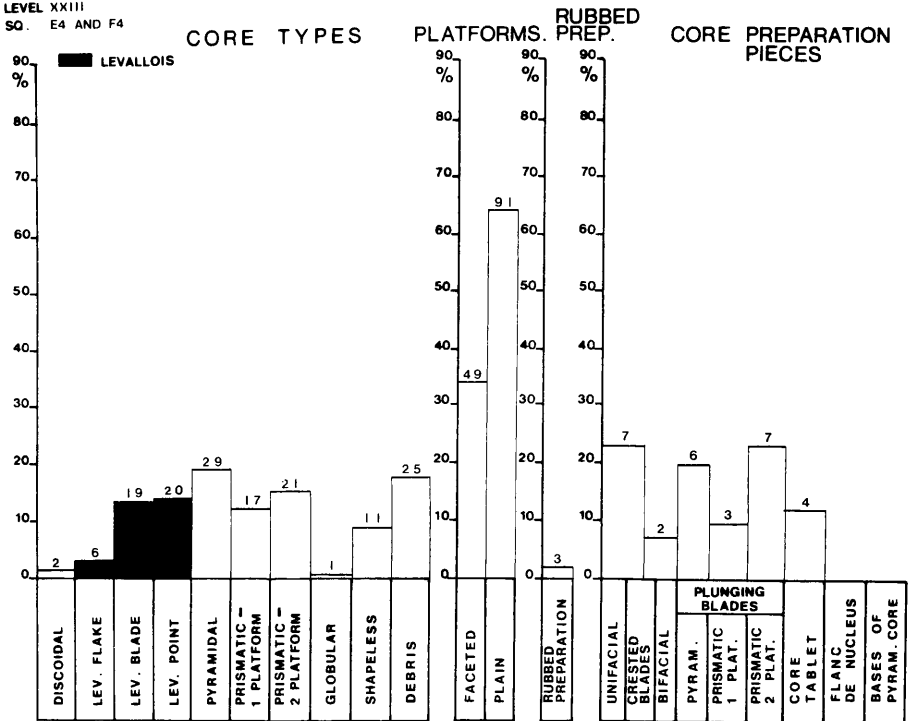
BLANKS



DEBITAGE OF TOOLS

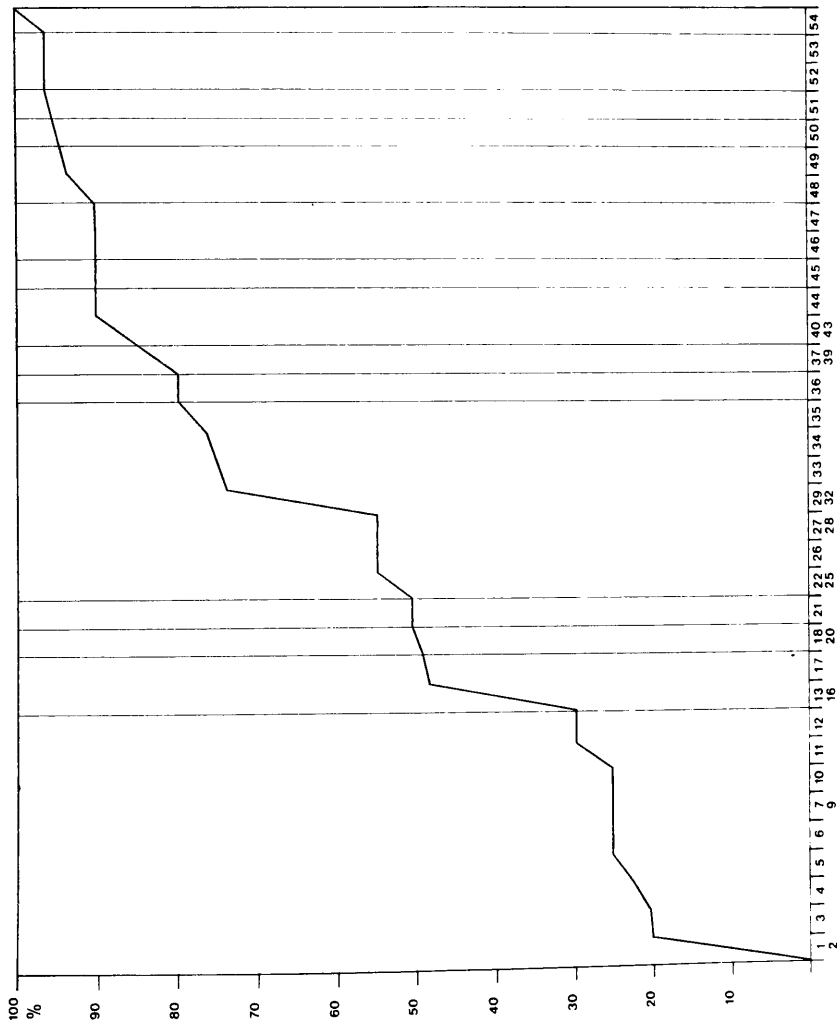


LEVEL XXIII
SQ. E4 AND F4



TOOL TYPES

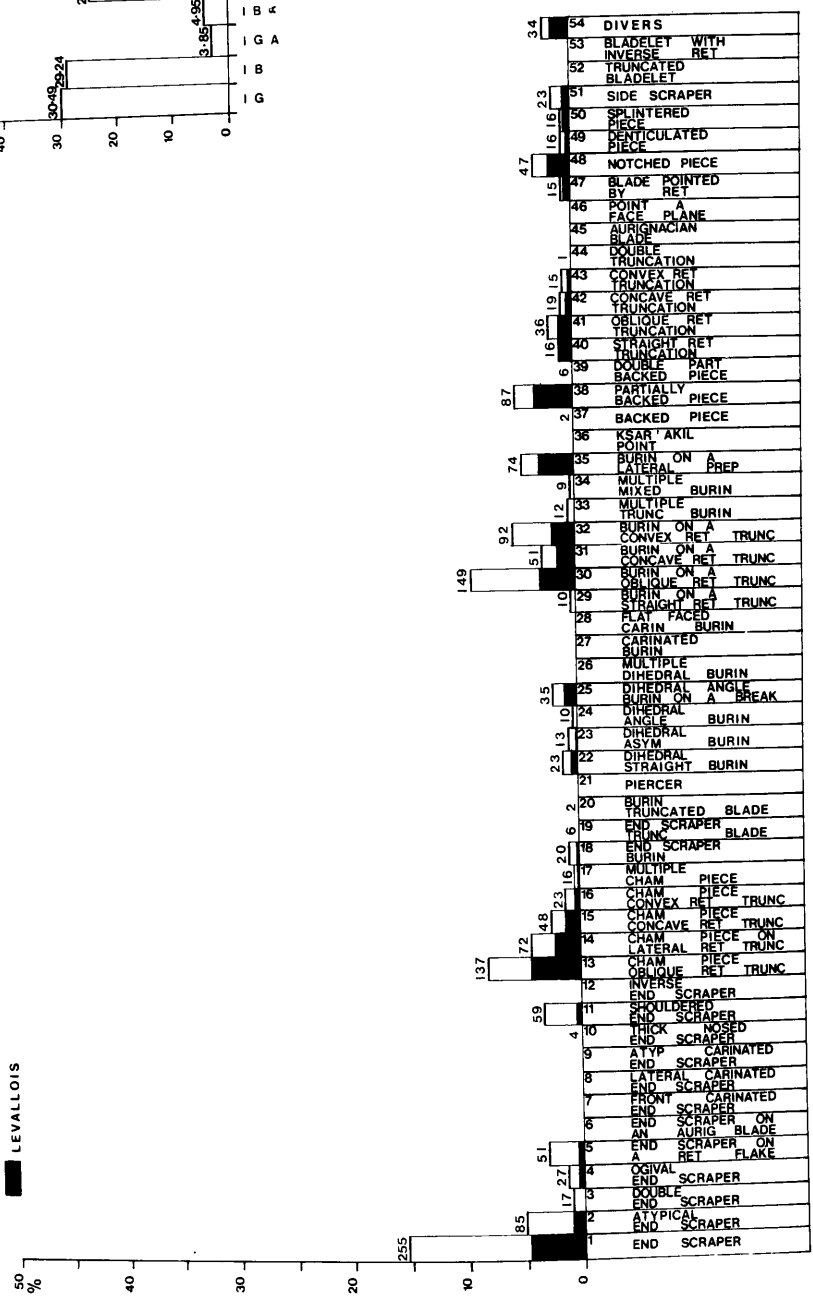
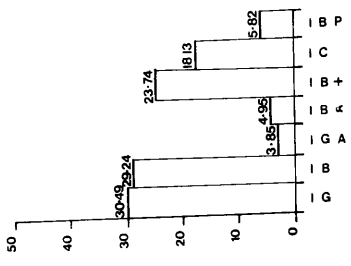
LEVEL XXII
SO E4 AND F4



1	END SCRAPER	28	FLAT FLAGED BURIN
2	FLAT SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OGIVAL END SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONVEX RET TRUNC
6	END SCRAPER ON AN OBLIQUE	33	MULTIPLE BURIN
7	CONVEX CARINAT END SCRAPER	34	MULTIPLE MIXED BURIN
8	LAT CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	A TYP CARINAT END SCRAPER	36	KSAR AKIL POINT
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	NOT FULLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE OBLIQUE RET TRUNC	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	OBLIQUE RET TRUNC
15	CHAM PIECE ON CONVEX RET TRUNC	42	CONVEX RET TRUNC
16	CHAM PIECE ON CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE PIECE CHAM	44	DOUBLE TRUNCATION
18	END SCRAPER BURIN	45	AURIGNACIAN BLADE
19	END SCRAPER BURIN BLADE	46	POIN A PLANE
20	BURIN TRUNC BLADE	47	POINTED BY RET PIECE
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL STRAIGHT BURIN	49	DENTICULATED PIECE
23	DIHEDRAL BURIN	50	SPLINTERED PIECE
24	DIHEDRAL BURIN ANGLE	51	EDGE SCRAPER
25	DIHEDRAL ANGLE BURIN ON A BREAK	52	TRUNCATED BLADELET
26	MULTIPLE DIHEDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

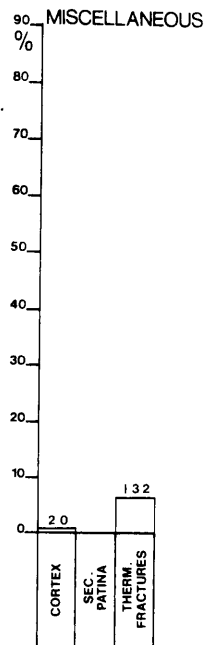
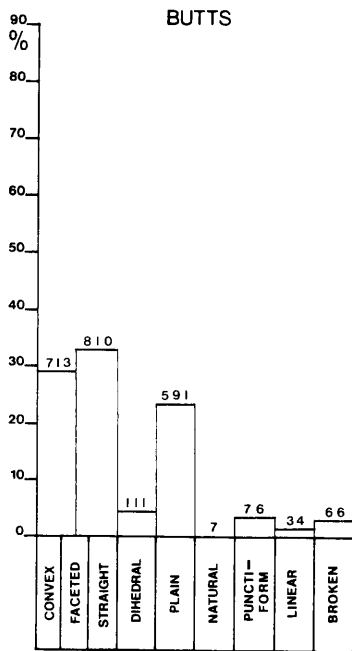
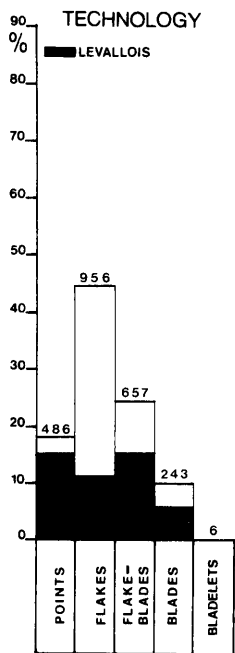
TOOL TYPES

LEVELLOIS
 SO. E4 AND F4

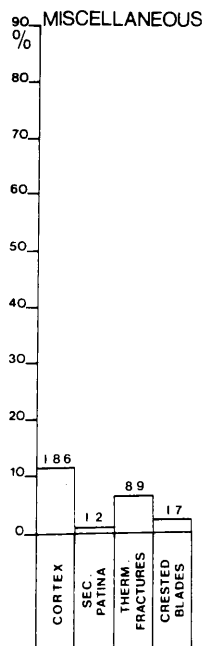
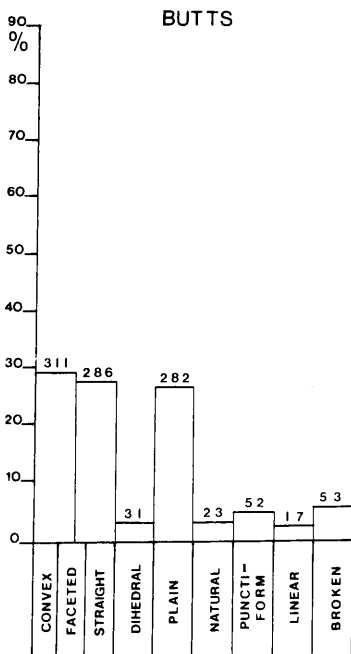
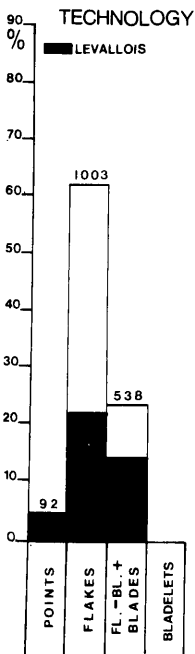


LEVEL XXII
SQ. E4 AND F4

BLANKS



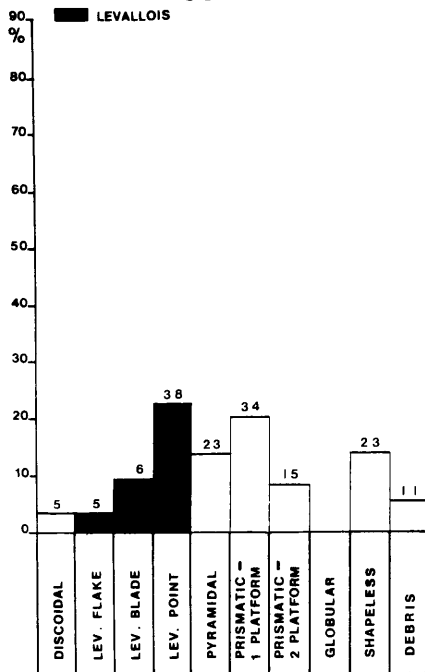
DEBITAGE OF TOOLS



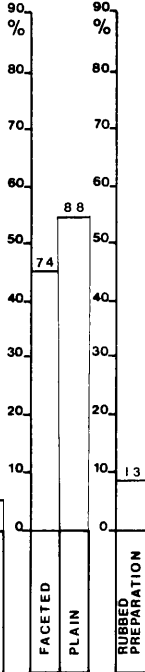
LEVEL XXII
SQ. E4 AND F4

LEVALLOIS

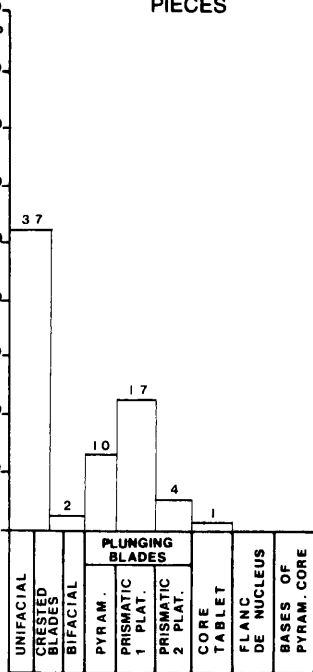
CORE TYPES



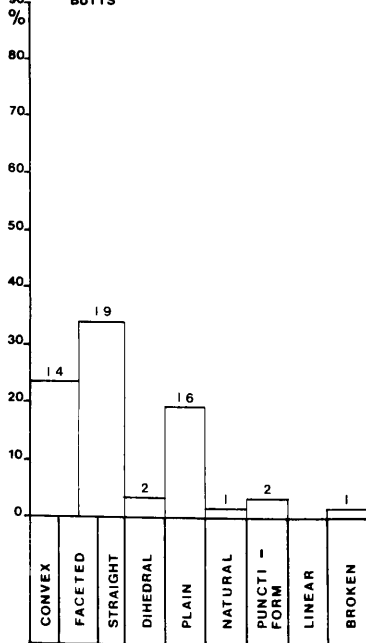
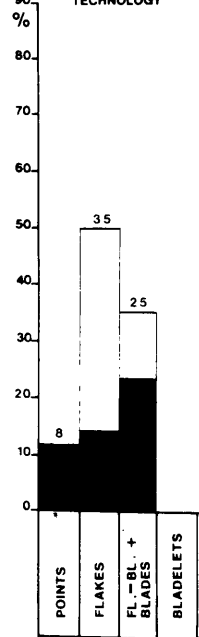
PLATFORMS. RUBBED PREP.



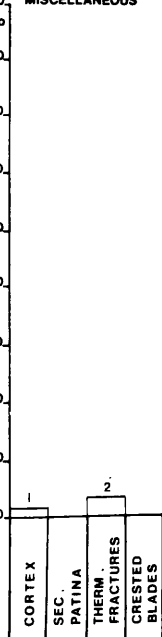
CORE PREPARATION PIECES



DEBITAGE OF PIECES WITH SEMI-APRUPTE DISCONTINUOUS RETOUCH TECHNOLOGY BUTTS

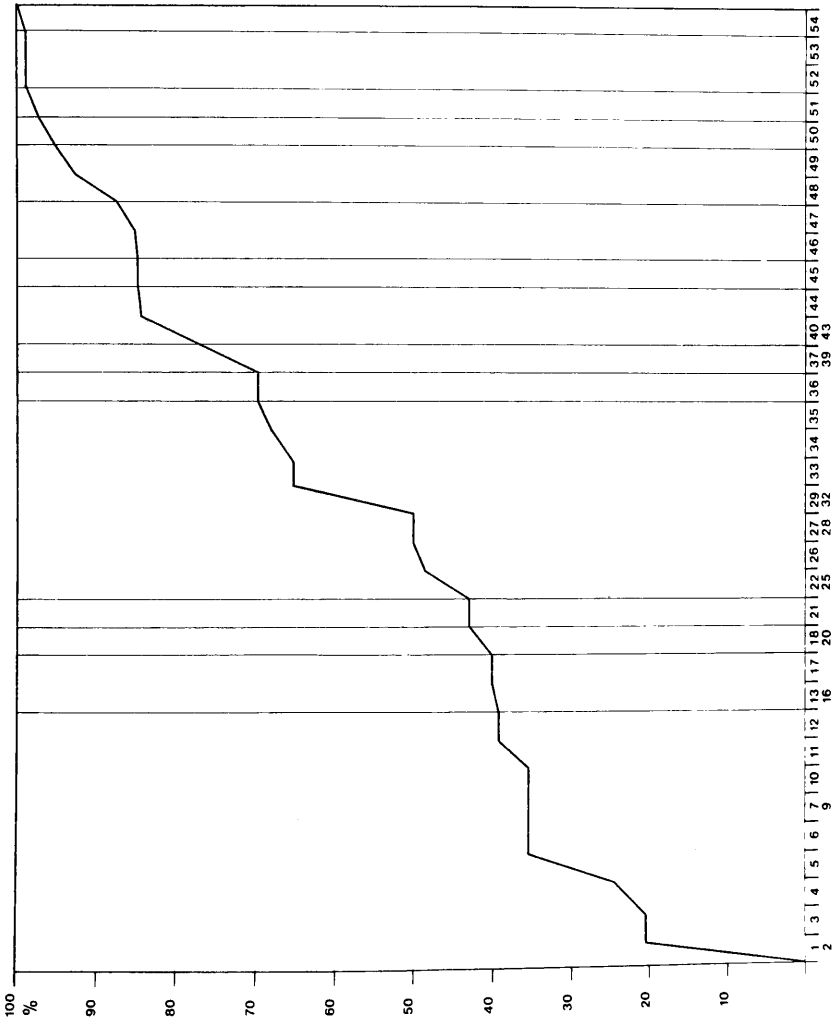


MISCELLANEOUS



TOOL TYPES

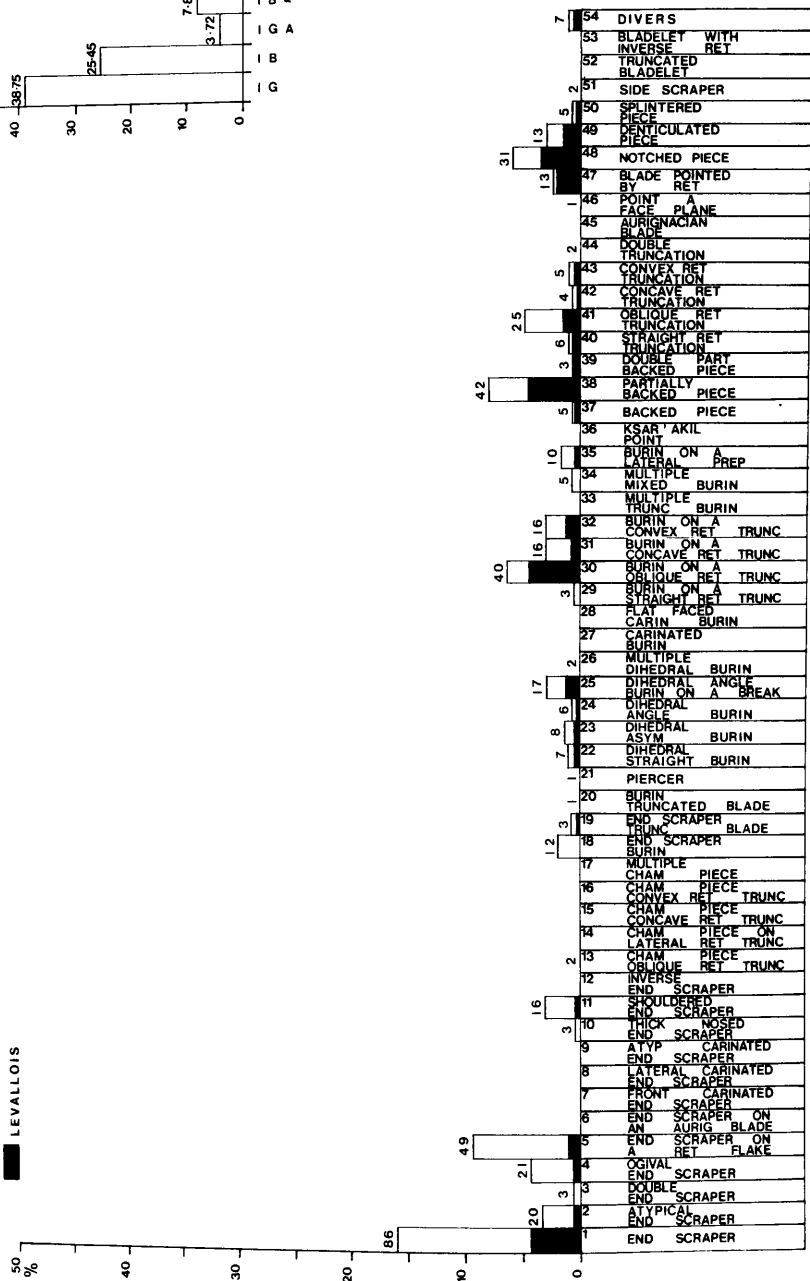
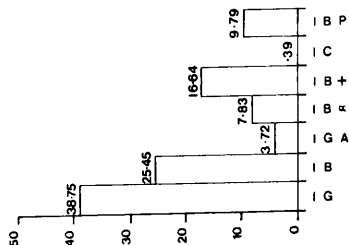
LEVEL XXI
SQ E4 AND F4



1	END SCRAPER	28	FLAT FACED BURIN
2	A TYPICAL END SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OSIVAL END SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON AN AURIG BLADE	32	BURIN ON A TRUNC BURIN
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE BURIN
7	FRONT CARINAT END SCRAPER	34	MULTIPLE MIXED BURIN
8	LAT CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	A TYP CARINAT END SCRAPER	36	KSAR AKIL BURIN
10	SHOULDERED END SCRAPER	37	FACED BURIN
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE OBLIQUE RET TRUNC	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	OBLIQUE RET TRUNC
15	CHAM PIECE CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE CHAM PIECE	44	DOUBLE TRUNCATION
18	END SCRAPER BURIN	45	AURIGNACIAN BURIN
19	SCRAPER TRUNC BLADE	46	POINT A FACE PLANE
20	BURIN TRUNC BLADE	47	BLADE POINTED BY RET TRUNC
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL BURIN	49	DENTICULATED BURIN
23	DIHEDRAL BURIN ASYM	50	CENTERED BURIN
24	DIHEDRAL BURIN ANGLE	51	SIDE SCRAPER
25	DIHEDRAL BURIN ON A BREAK	52	TRUNCATED BLADELET
26	MULTIPLE DIHEDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

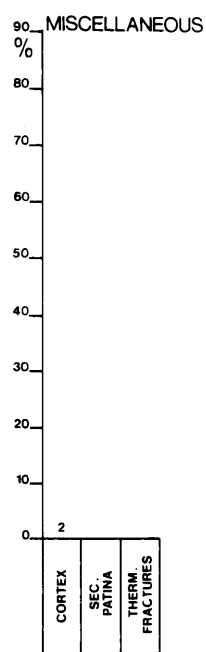
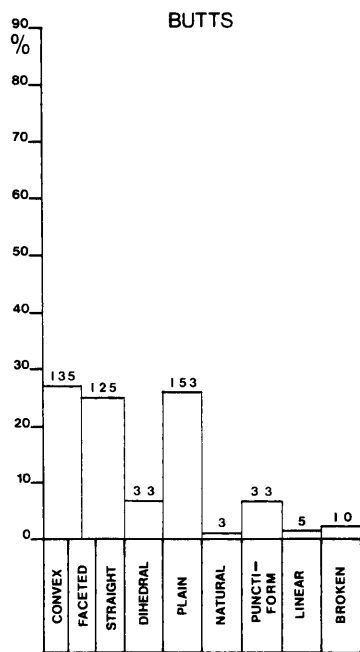
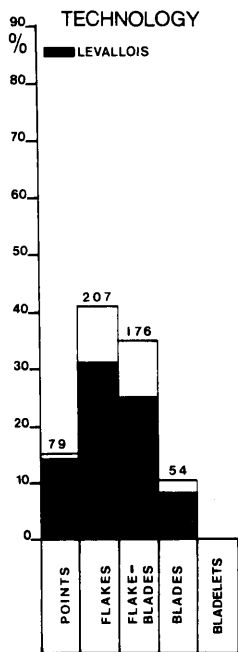
TOOL TYPES

LEVEL XXI
SO. E4 AND F4

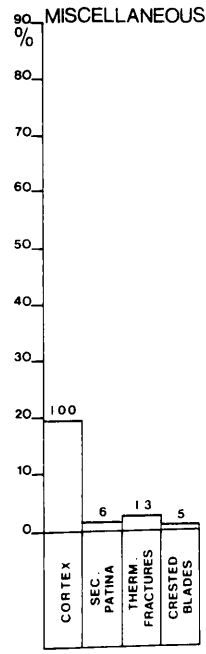
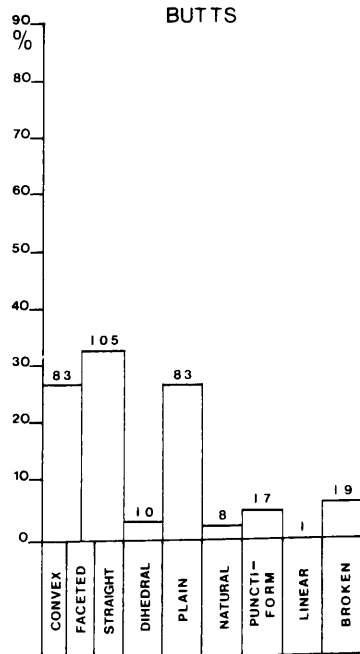
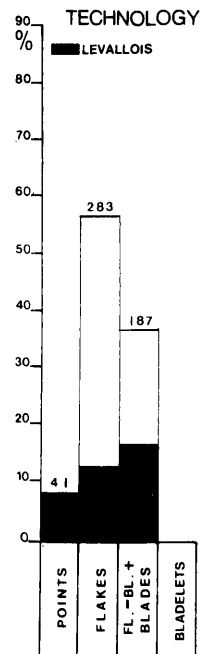


LEVEL XXI
SQ. E4 AND F4

BLANKS



DEBITAGE OF TOOLS

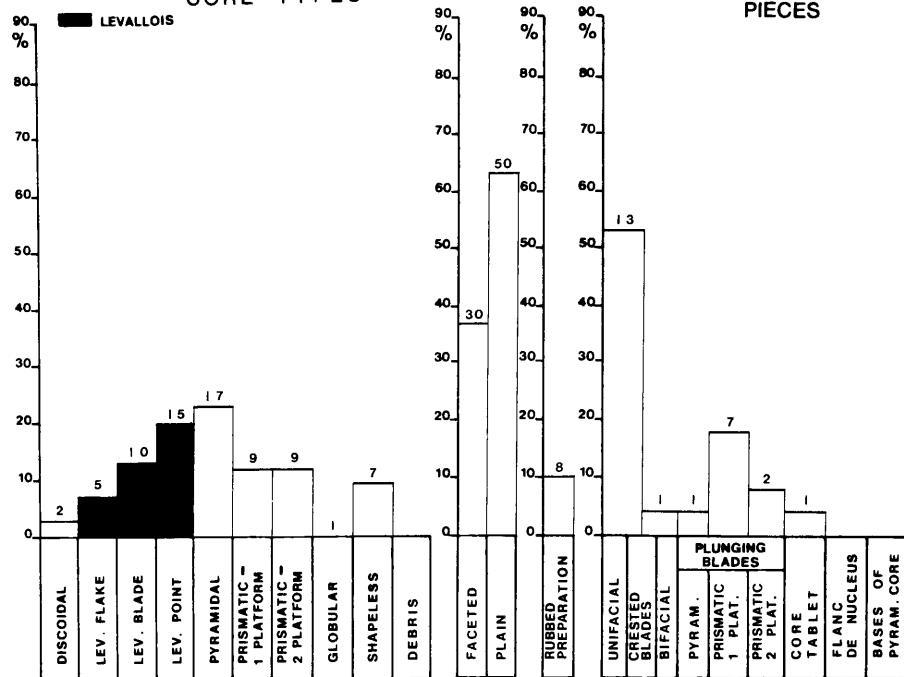


LEVEL XXI
SQ. E4 AND F4

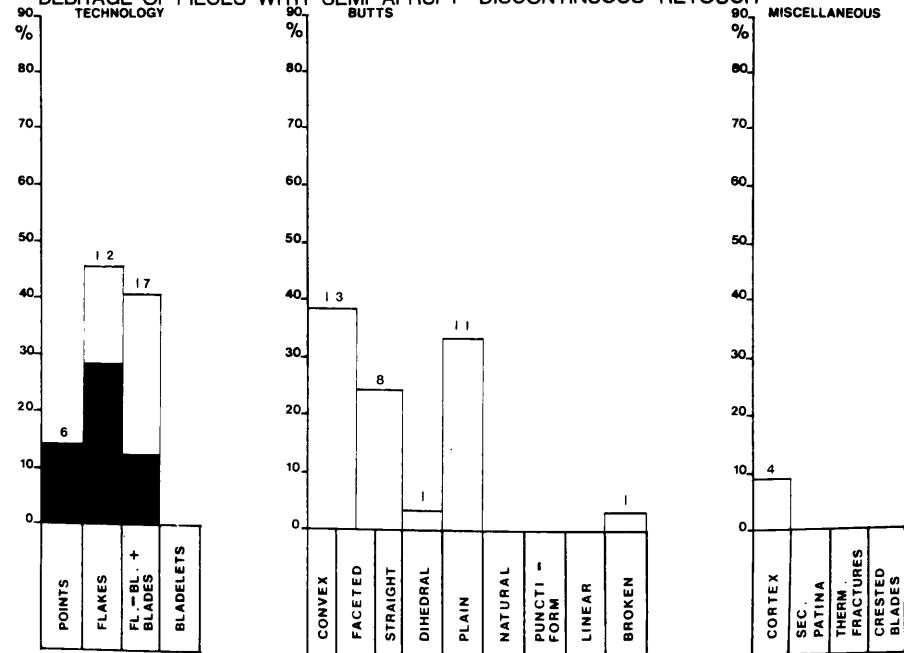
CORE TYPES

PLATFORMS. RUBBED PREP.

CORE PREPARATION PIECES

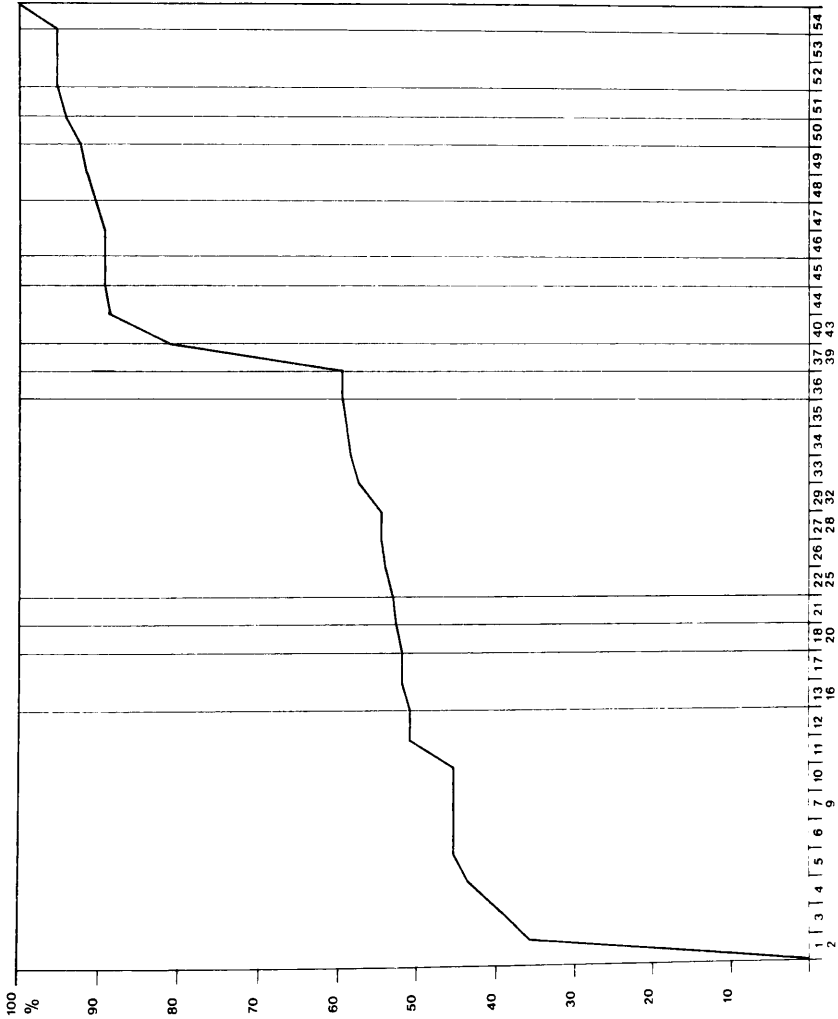


DEBITAGE OF PIECES WITH SEMI-APRUP T DISCONTINUOUS RETOUCH TECHNOLOGY



LEVEL XX
SQ E4 AND F4

TOOL TYPES

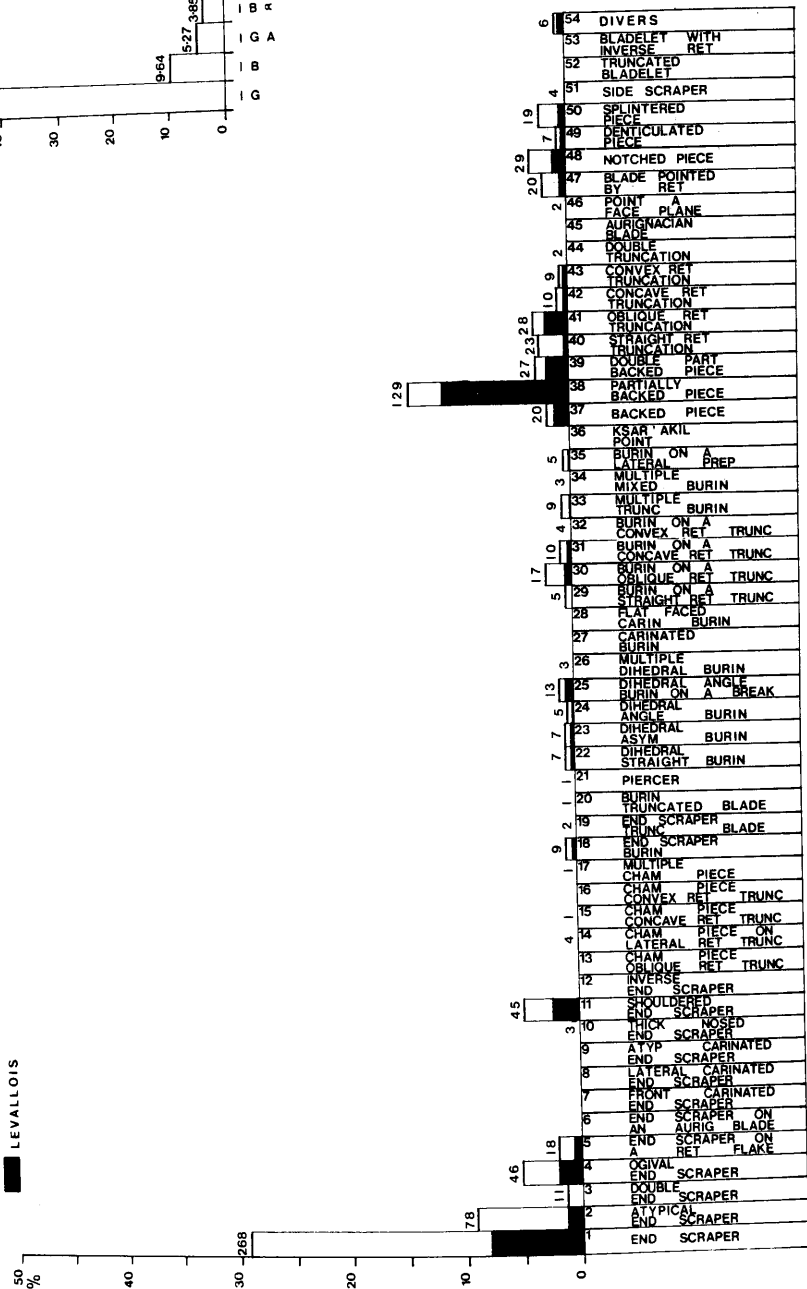
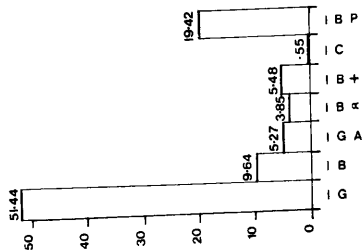


1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	ATYPICAL END SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OGIVA END SCRAPER	31	BURIN ON AN OBLIQUE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONVEX RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE TRUNC BURIN
7	FRONT CARINAT END SCRAPER	34	MULTIPLE MIXED BURIN
8	LAT CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	TYPICAL CARINAT END SCRAPER	36	POINT AKIL
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE OBLIQUE RET TRUNC	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	RELICIOUS RET TRUNC
15	CHAM PIECE CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE CHAM PIECE	44	DOUBLE FURIGATION
18	BURIN ON A BLADE	45	ABIGNACIAN
19	END SCRAPER TRUNC BLADE	46	POINT A FACE PLANE
20	BURIN TRUNC BLADE	47	BLADE POINTED BY RET
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL STRAIGHT BURIN	49	NOTCHED PIECE INCULATED
23	DIHEDRAL BURIN ASYM	50	SPLINTERED PIECE
24	DIHEDRAL BURIN ANGLE	51	SIDE SCRAPER
25	DIHEDRAL BURIN ON A BREAK	52	TRUNCATED BLADE RET
26	DIHEDRAL BURIN WITH INVERS	53	TRUNCATED BURIN WITH INVERS_RET
27	CARINATED BURIN	54	DIVERS

TOOL TYPES

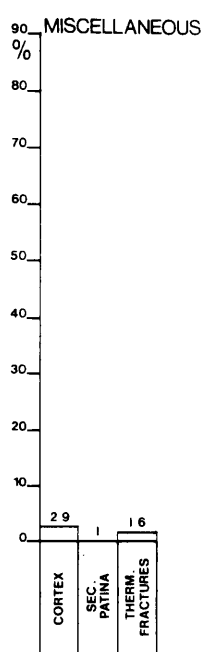
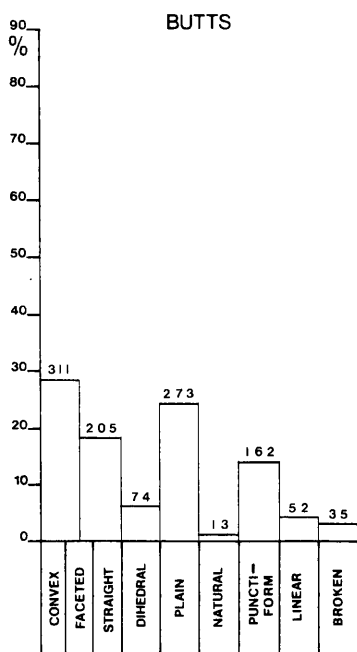
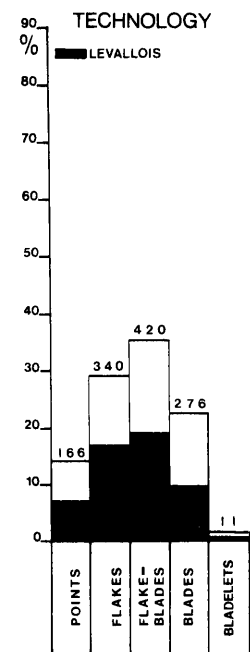
LEVEL XX
E4 AND F4
SO.

LEVALLOIS

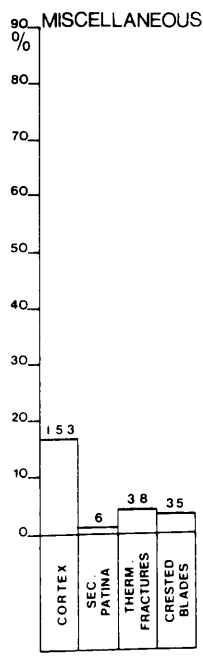
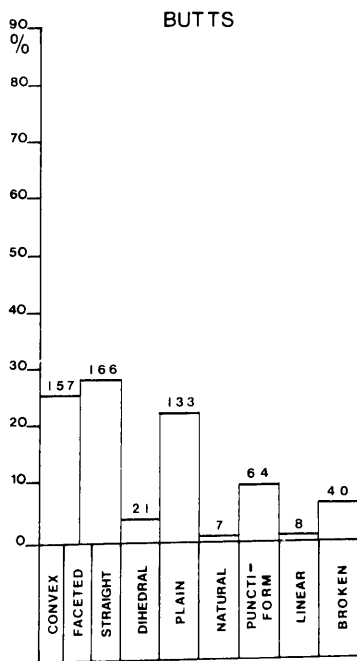
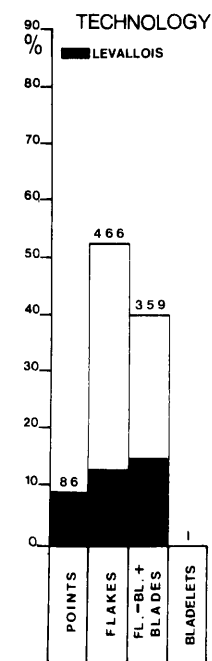


LEVEL XX
SQ. E4 AND F4

BLANKS

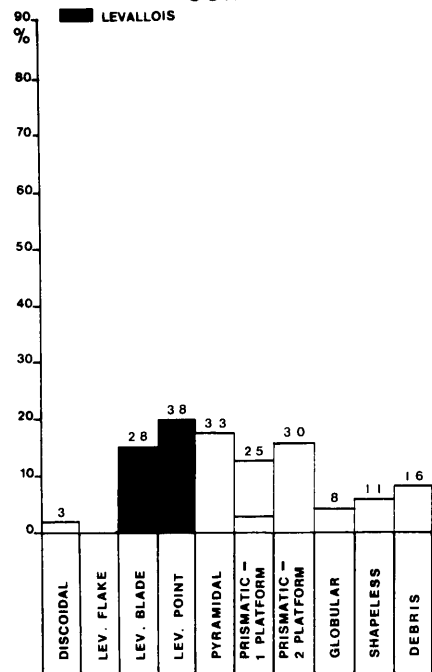


DEBITAGE OF TOOLS

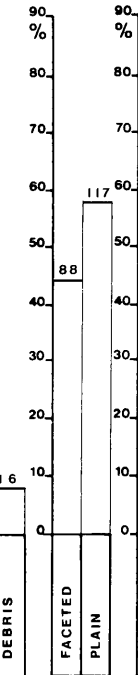


LEVEL XX
SQ. E4 AND F4

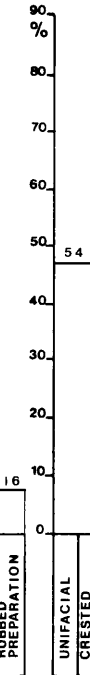
CORE TYPES



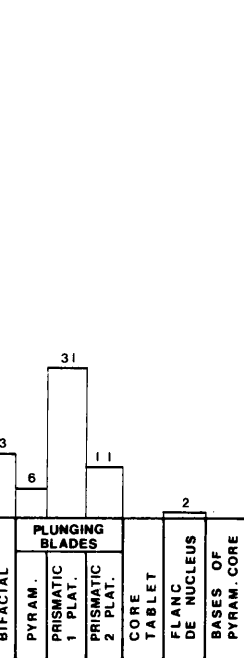
PLATFORMS.



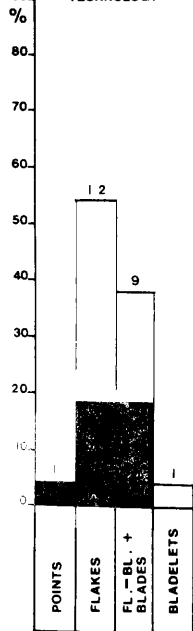
RUBBED PREP.



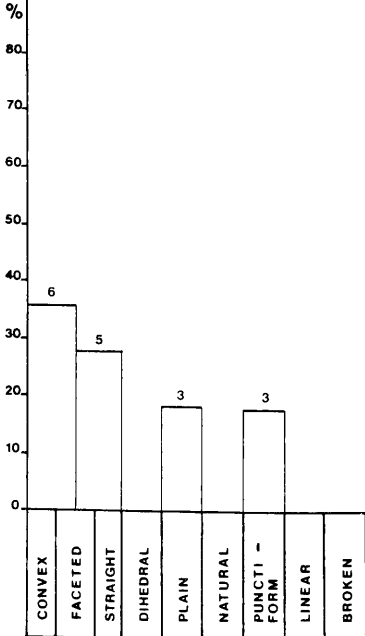
CORE PREPARATION PIECES



DEBITAGE OF PIECES WITH SEMI-APRPT DISCONTINUOUS RETOUCH TECHNOLOGY



SEMI-APRPT BUTTS

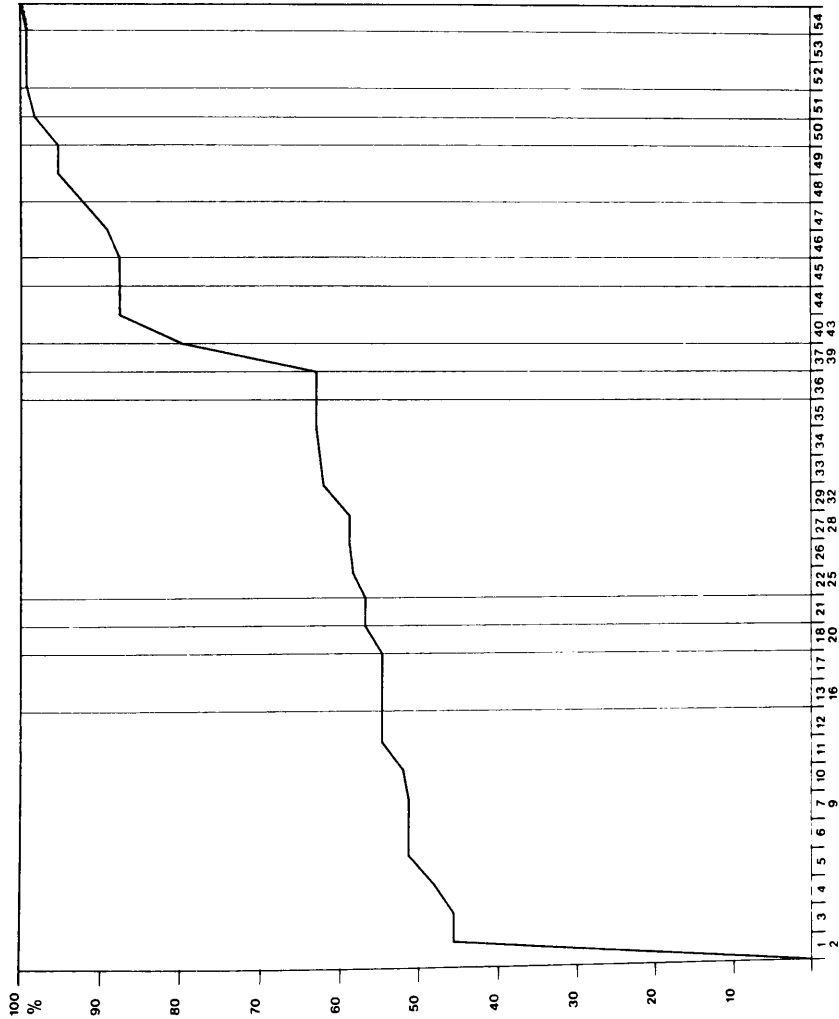


MISCELLANEOUS



TOOL TYPES

LEVEL XX
50
E4 AND F4



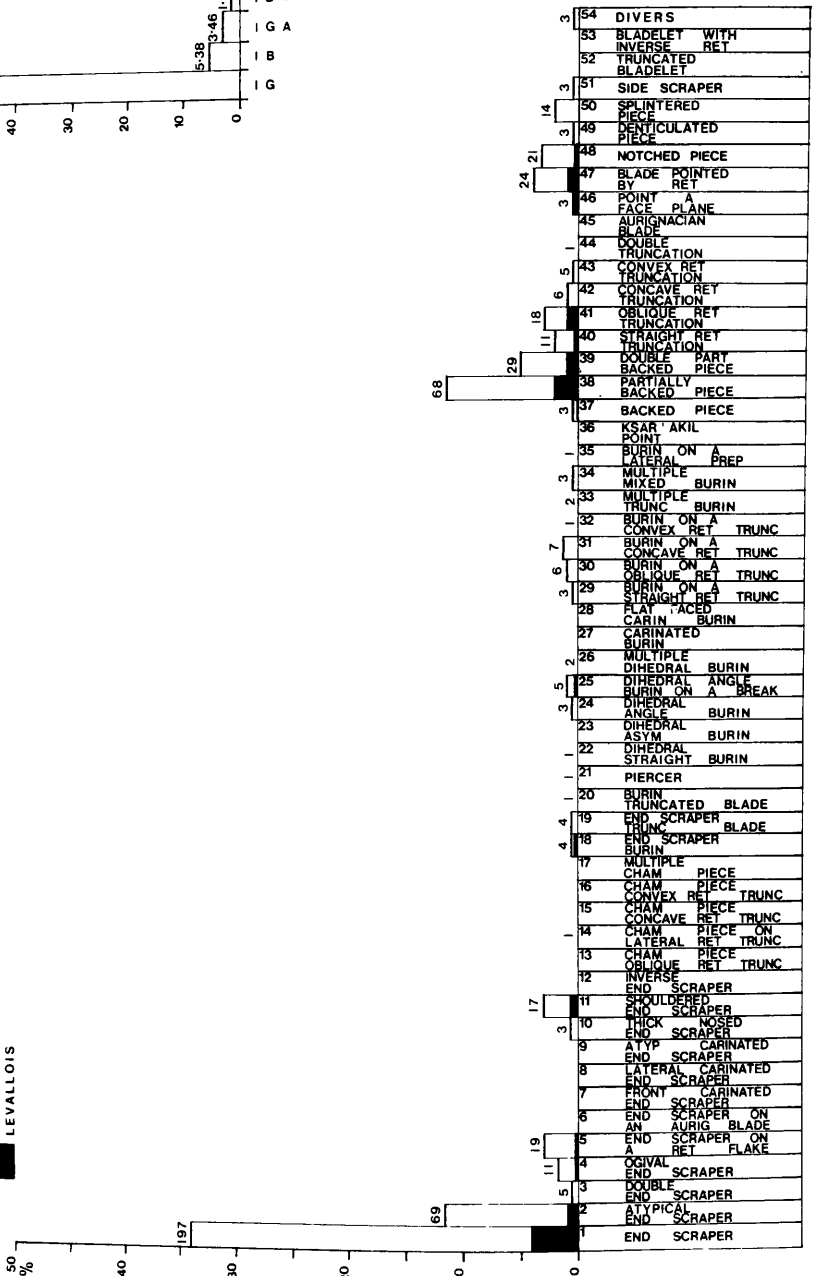
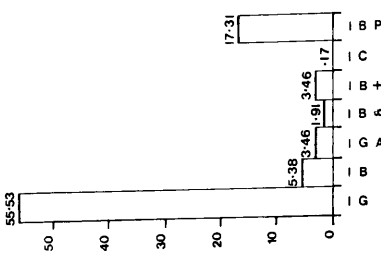
1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	ATYPICAL END SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	UNUSUAL END SCRAPER	30	OBLIQUE RET TRUNC
4	OGIVAL END SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONVEX RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE TRUNC BURIN
7	FRONTAL CARINAT END SCRAPER	34	MULTIPLE BURIN
8	FLAT SCRAPER	35	BURIN ON A LATERAL PREP
9	ATYP CARINAT END SCRAPER	36	KSAR'AKIL POINT
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE SCRAPER	39	DOUBLY BACKED PIECE
13	CHAM PIECE	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	OBLIQUE RET TRUNC
15	CHAM PIECE	42	CONCAVE RET TRUNC
16	CHAM PIECE ON CHAM PIECE	43	CONVEX RET TRUNC
17	MULTIPLE CHAM PIECE	44	DOUBLE TRUNCATION
18	END SCRAPER BURIN	45	AURIGNACIAN BLADE
19	END SCRAPER TRUNC BLADE	46	POINT A FACE PLANE
20	BURIN TRUNC BLADE	47	BLADE NOTCHED BY RET
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL STRAIGHT BURIN	49	DENTICULATED PIECE
23	DIHEDRAL ASYM BURIN	50	SPLINTERED PIECE
24	DIHEDRAL BURIN	51	SIDE SCRAPER
25	DIHEDRAL BURIN ON A BREAK	52	TRUNCATED BLADELET
26	MULTIPLE DIHEDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

55.53

TOOL TYPES

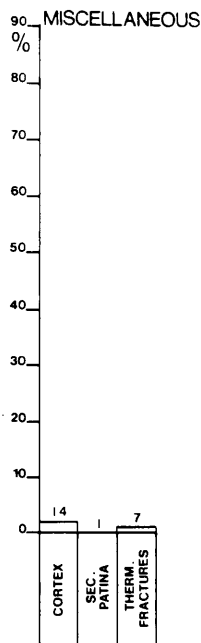
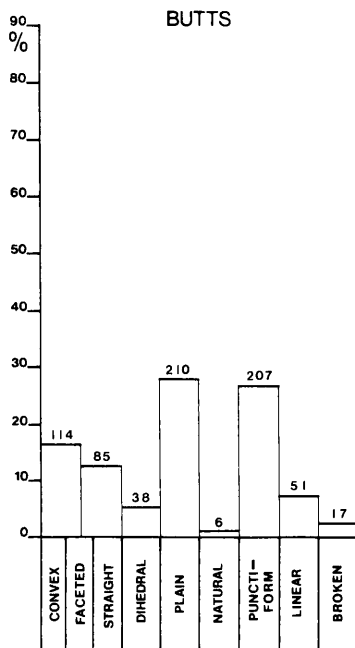
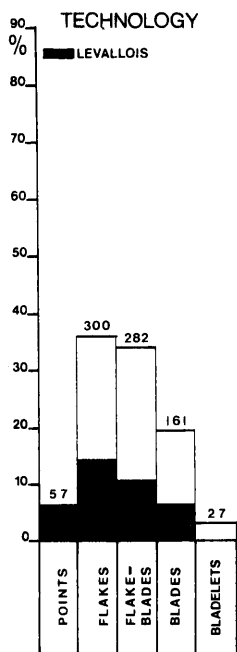
LEVEL XIX
SO. E4 AND F4

LEVALLOIS

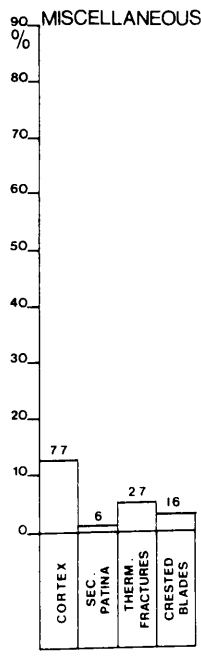
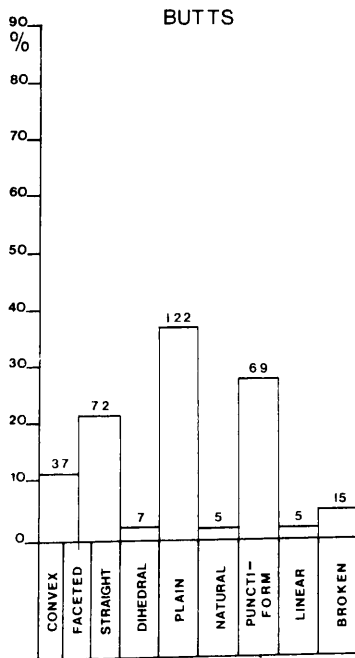
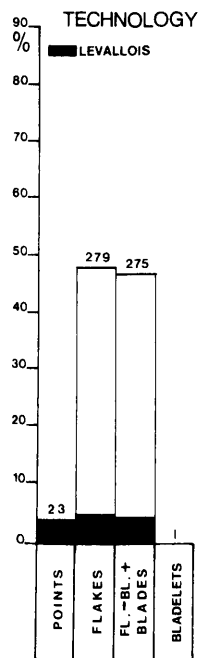


LEVEL XIX
SQ. E4 AND F4

BLANKS

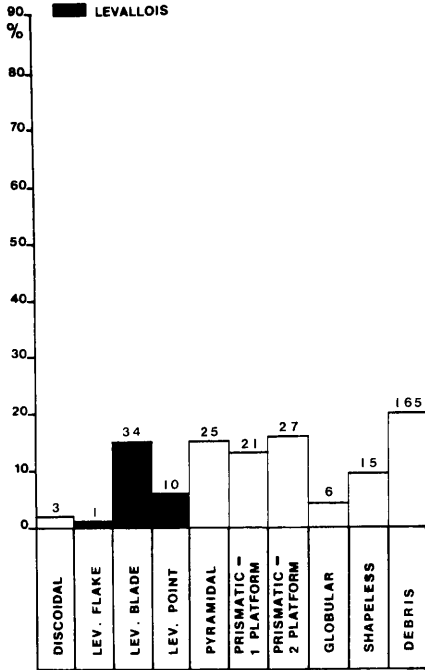


DEBITAGE OF TOOLS

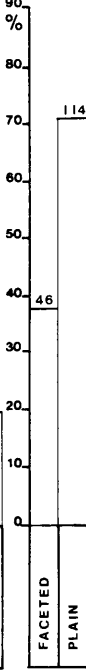


LEVEL XIX
SQ. E4 AND F4

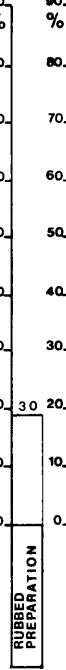
CORE TYPES



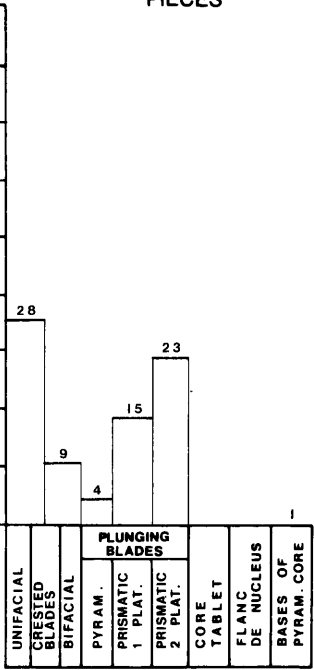
PLATFORMS.



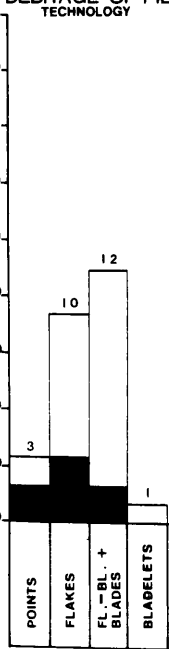
RUBBED PREP.



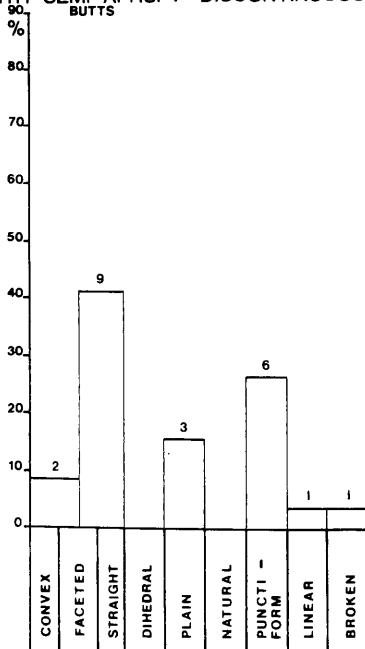
CORE PREPARATION PIECES



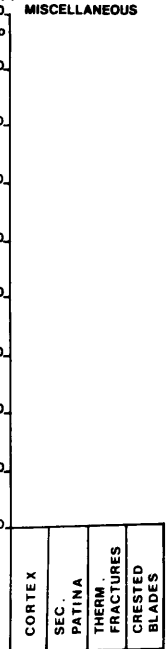
DEBITAGE OF PIECES WITH SEMI-APRUPT DISCONTINUOUS RETOUCH



BUTTS

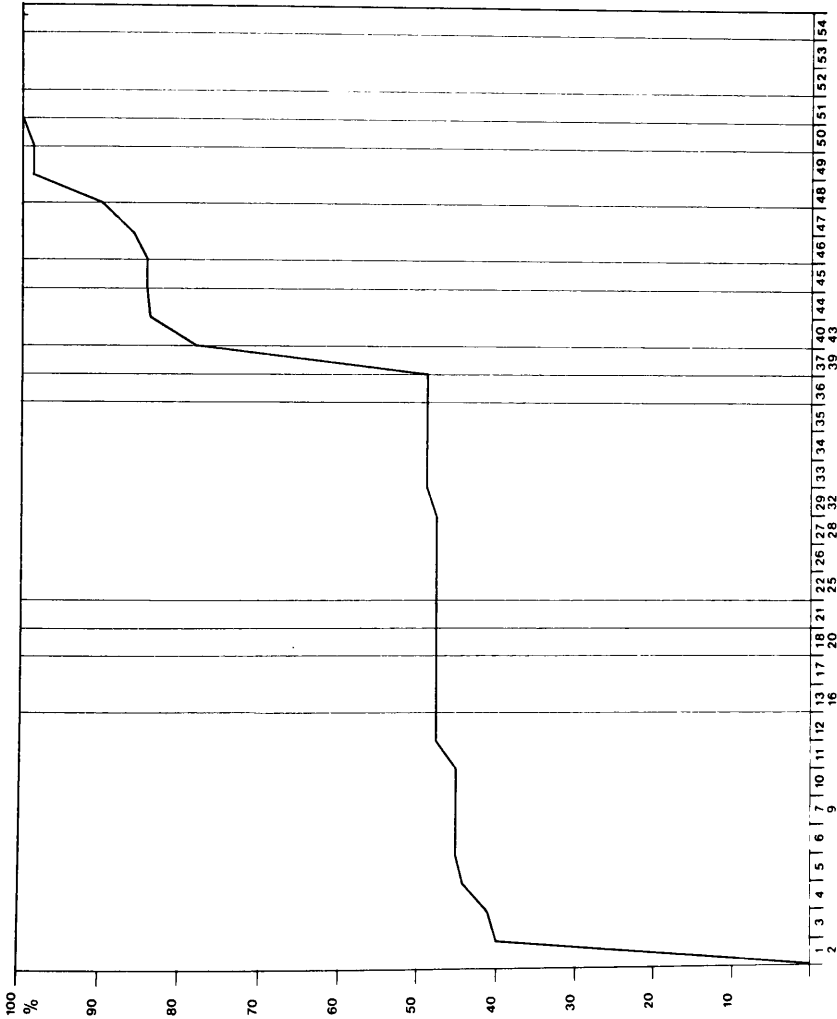


MISCELLANEOUS



LEVEL XVIII
50 EA AND F4

TOOL TYPES

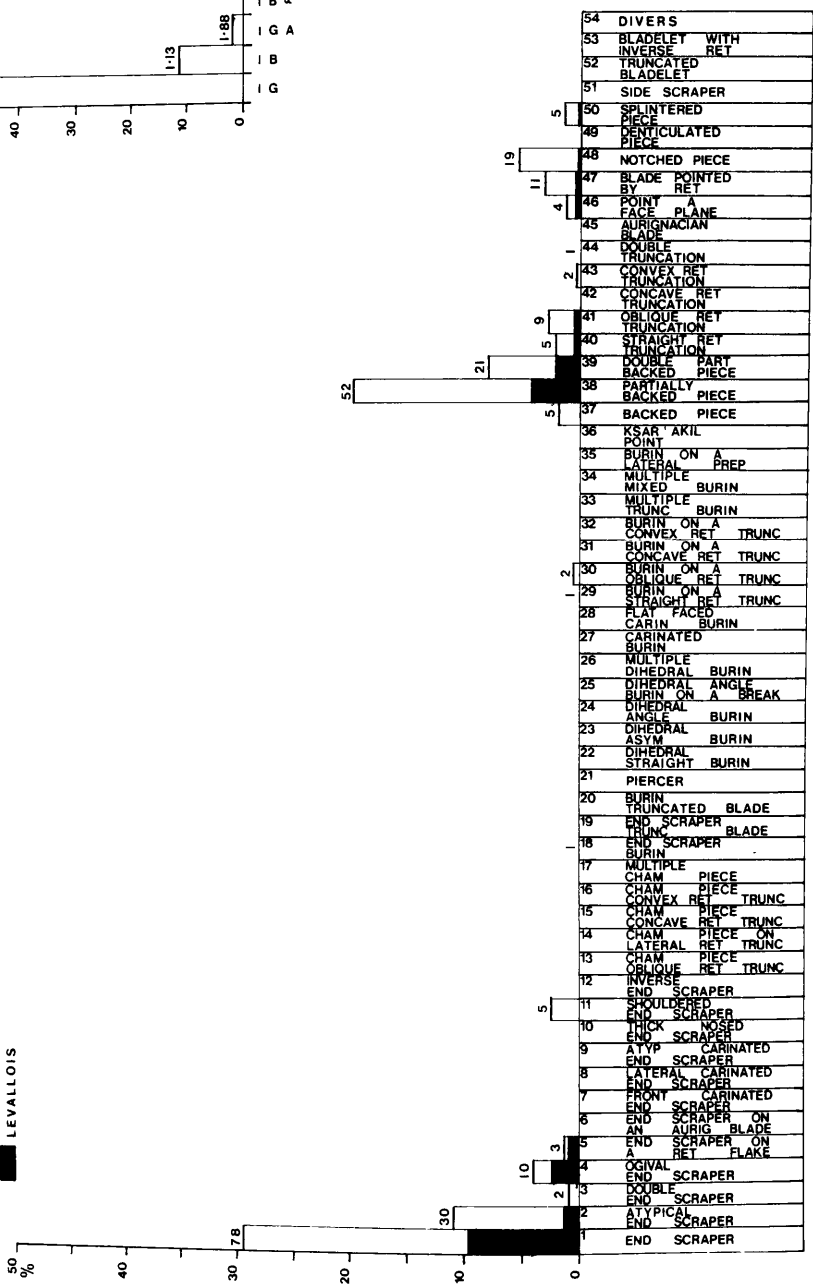
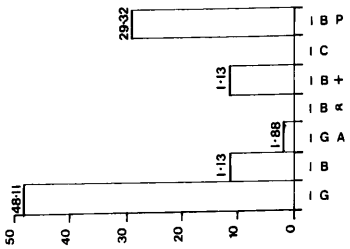


1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	A TYPICAL END SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OGIVAL END SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON AN AURIG BLADE	32	BURIN ON A CONCAVE RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE BURIN
7	FRONT CARINAT END SCRAPER	34	MULTIPLE BURIN MIXED
8	LAT CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	EATYP CARINAT END SCRAPER	36	KSAR AKIL FORMED PIECE
10	THICK END SCRAPER	37	FORMED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE OBLIQUE RET TRUNC	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	OBLIQUE RET TRUNC
15	CHAM PIECE CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE CHAM PIECE	44	DOUBLE TRUNCATION
18	END SCRAPER BLADE	45	AURIGNACIAN BLADE
19	END SCRAPER TRUNC BLADE	46	POINT A FACE PLANE
20	BURIN TRUNC BLADE	47	BLADE POINTED BY RET
21	PIERCER	48	NOTCHED PIECE
22	DIREDRAL SHORIT BURIN	49	DENTICULATED PIECE
23	DIREDRAL ASYM BURIN	50	CENTERED PIECE
24	DIREDRAL ANGLE BURIN	51	SIDE SCRAPER
25	DIREDRAL BURIN ON A BREAK	52	TRUNCATED BLADELET
26	MULTIPLE DIREDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

TOOL TYPES

LEVEL XVIII
SG. E4 AND F4

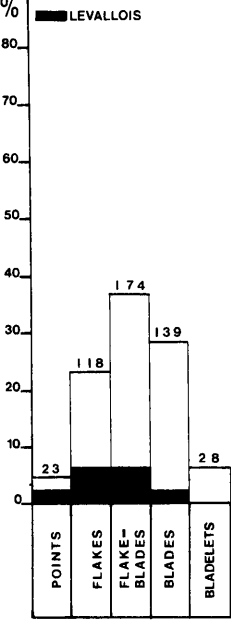
LEVALLOIS



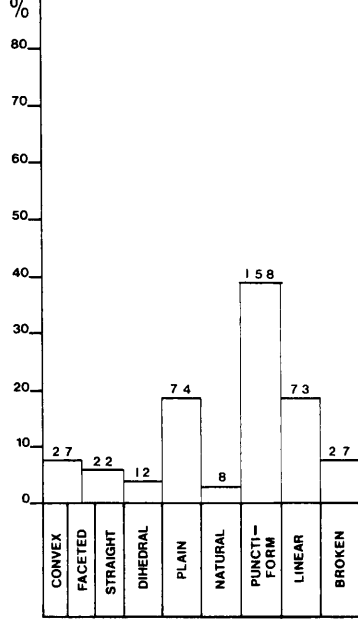
BLANKS

LEVEL XVIII
SQ. E4 AND F4

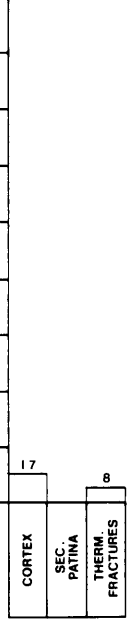
TECHNOLOGY



BUTTS

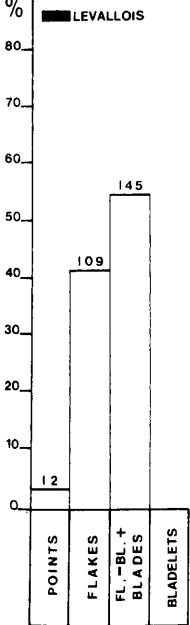


MISCELLANEOUS

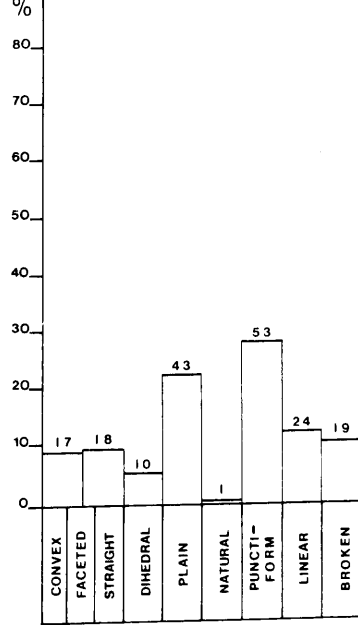


DEBITAGE OF TOOLS

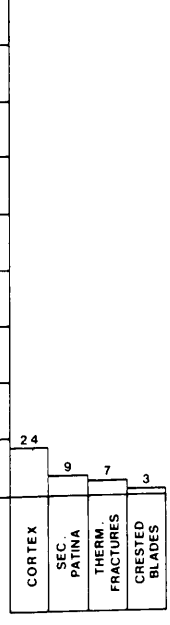
TECHNOLOGY



BUTTS

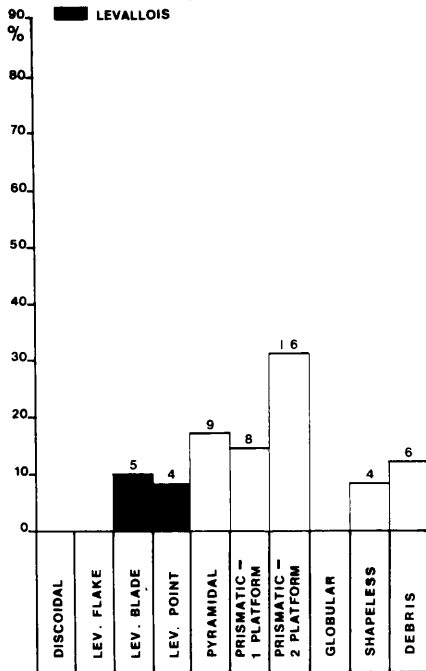


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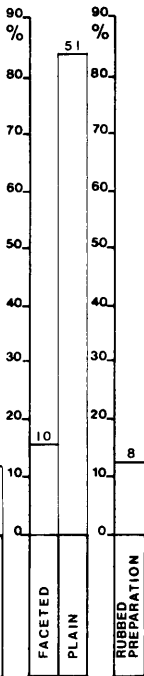


LEVEL XVIII
SQ. E4 AND F4

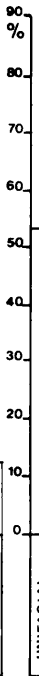
CORE TYPES



PLATFORMS.

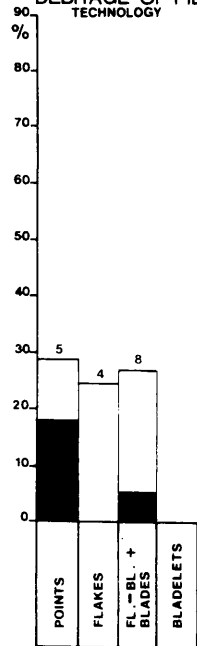


RUBBED PREP.

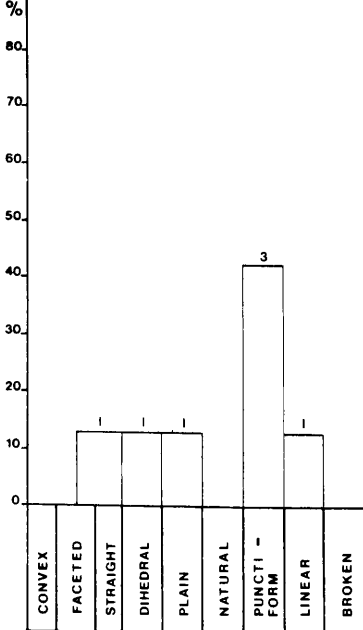


CORE PREPARATION PIECES

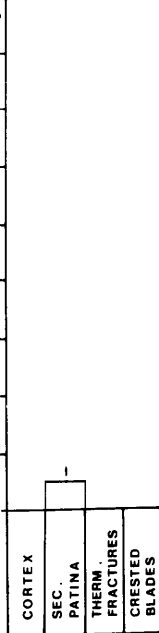
DEBITAGE OF PIECES WITH SEMI-APRUPTE DISCONTINUOUS RETOUCH



SEMI-APRUPTE BUTTS

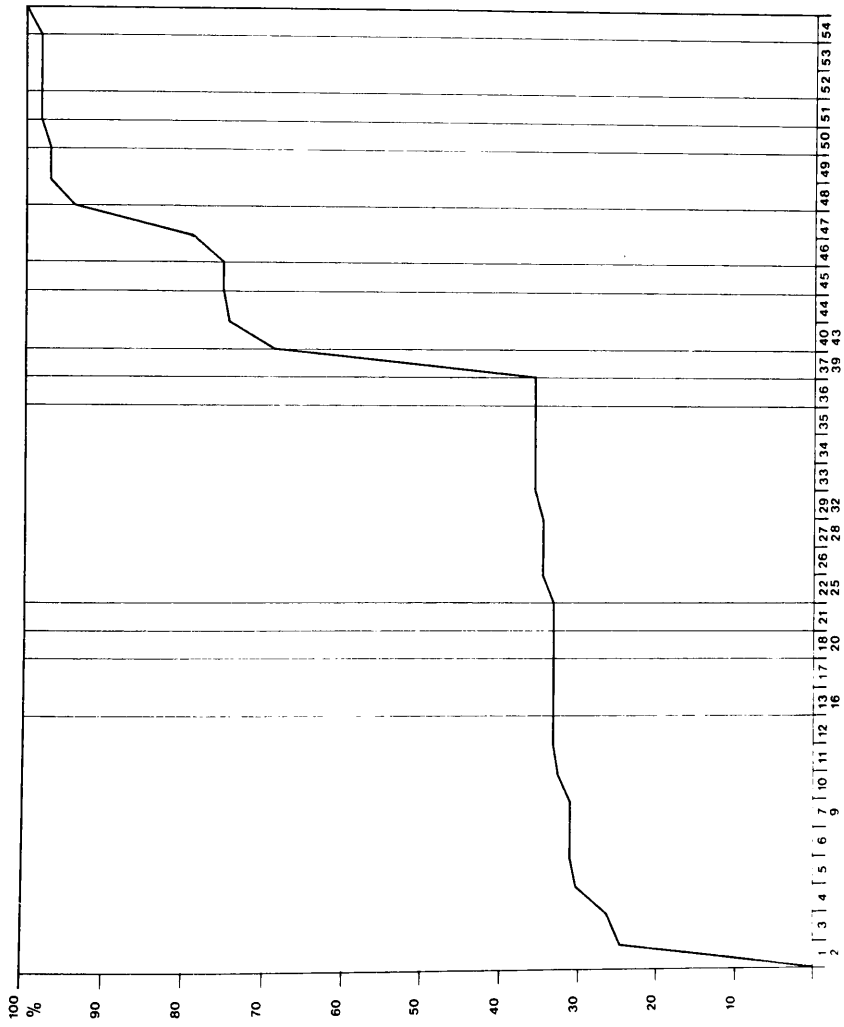


MISCELLANEOUS



LEVEL XVII
SQ E4 AND F4

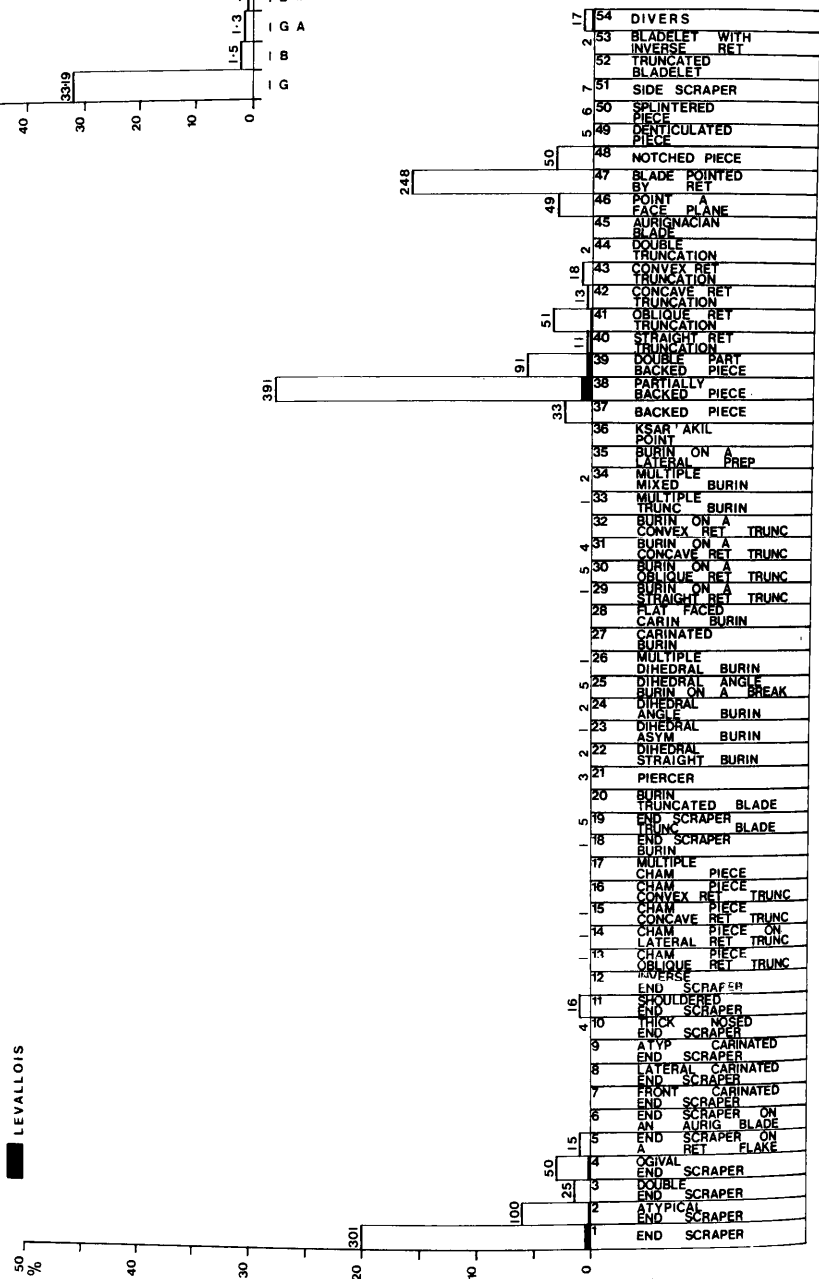
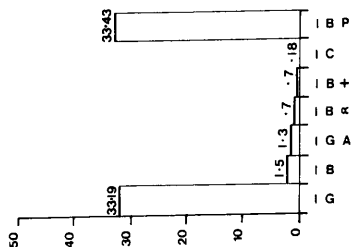
TOOL TYPES



1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	A TYPICAL	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	NOSE SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONVEX RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE TRUNC BURIN
7	FRONT CARINAT	34	MULTIPLE MIXED BURIN
8	LAT SCRAPER	35	BURIN ON A LATERAL PREP
9	THICK NOSED SCRAPER	36	POINT ANIL
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE ON LATERAL PREP	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	REBLUN TRUNC
15	CHAM PIECE ON CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE ON CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE BURIN	44	DOUBLE TRUNCATION
18	END SCRAPER BURIN	45	BERGACIAN BLADE
19	END SCRAPER TRUNC BLADE	46	POINT A FACE PLANE
20	BURIN BLADE	47	BLADE POINTED BY RET
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL STRAIGHT BURIN	49	SCALLOPED PIECE
23	DIHEDRAL BURIN ASYM	50	SPLINTERED PIECE
24	DIHEDRAL BURIN ANGLE	51	SIDE SCRAPER
25	DIHEDRAL ANGLE BURIN WITH A BREAK	52	TRUNCATED BLADE RET
26	MULTIPLE BURIN WITH INVERS	53	TRUNCATED BURIN WITH INVERS_RET
27	CARINATED BURIN	54	DIVERS

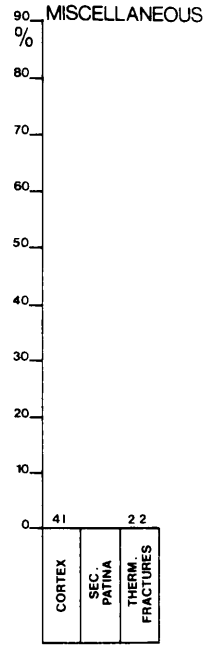
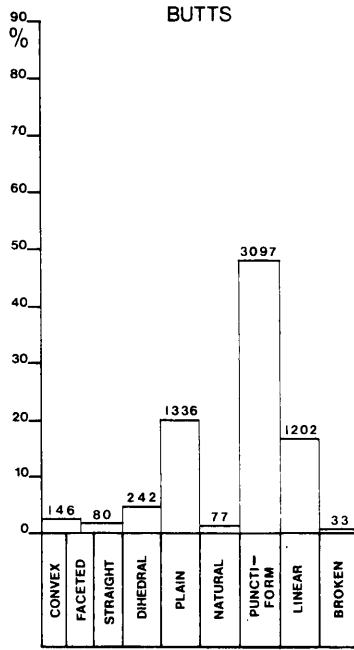
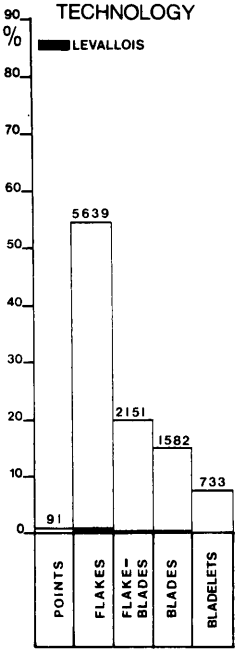
TOOL TYPES

LEVEL XVII,
S0, E4, F4, AND F3

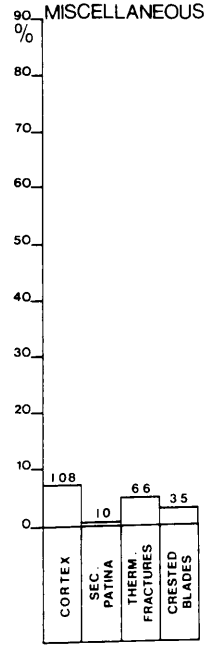
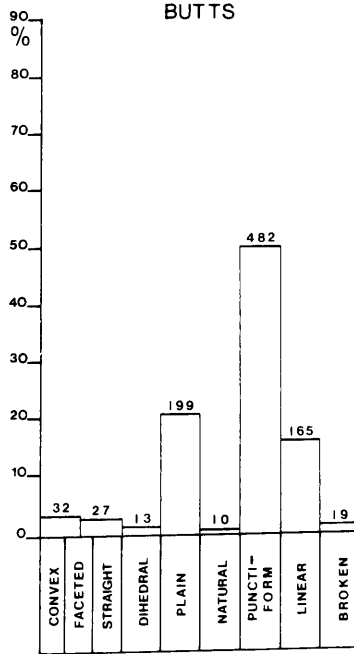
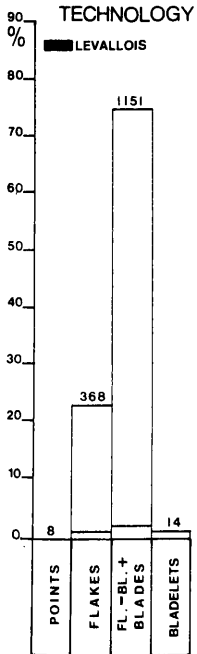


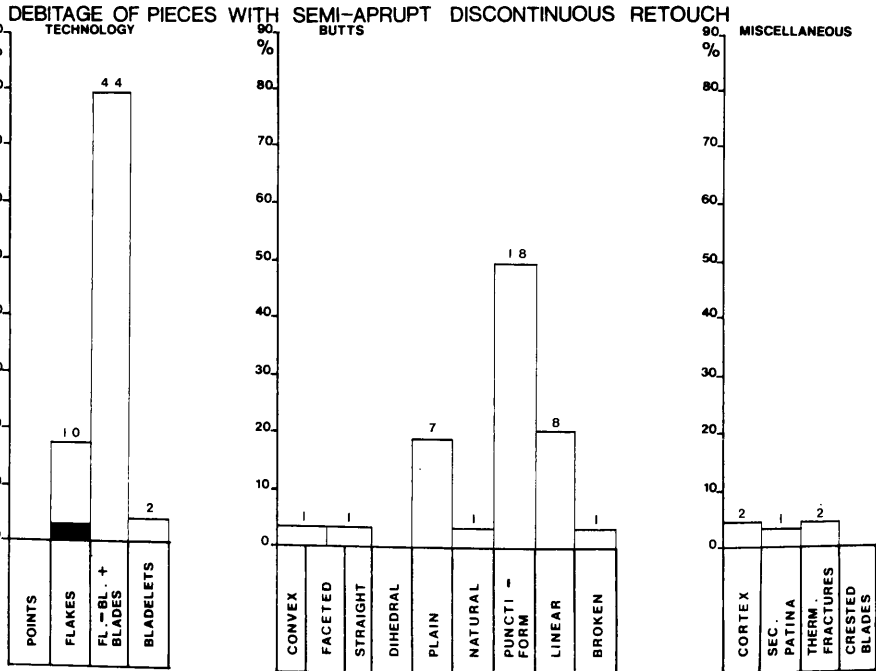
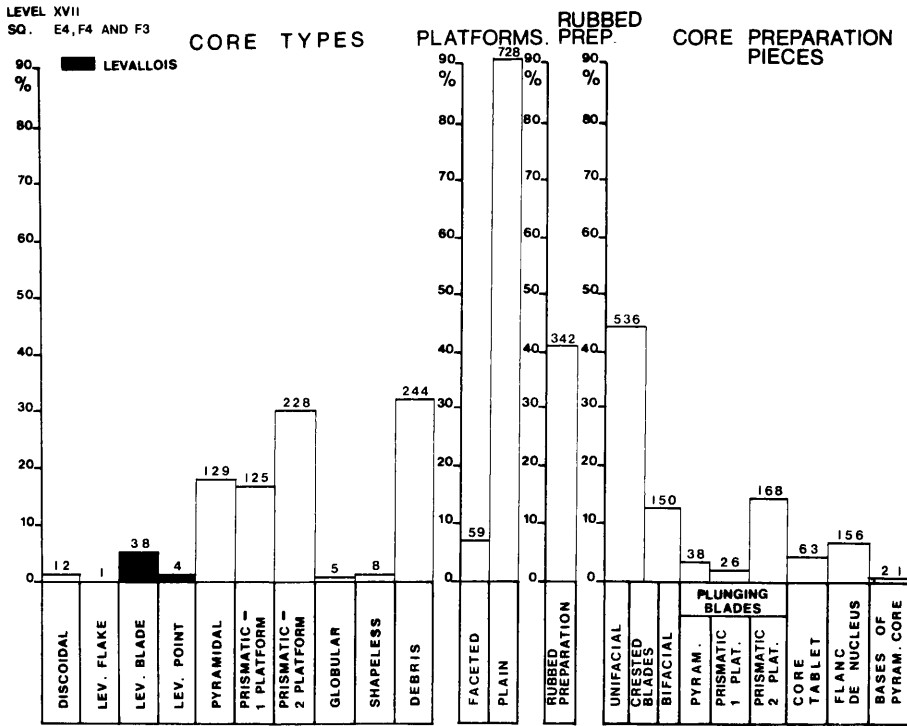
LEVEL XVII
SQ. E4, F4 AND F3

BLANKS



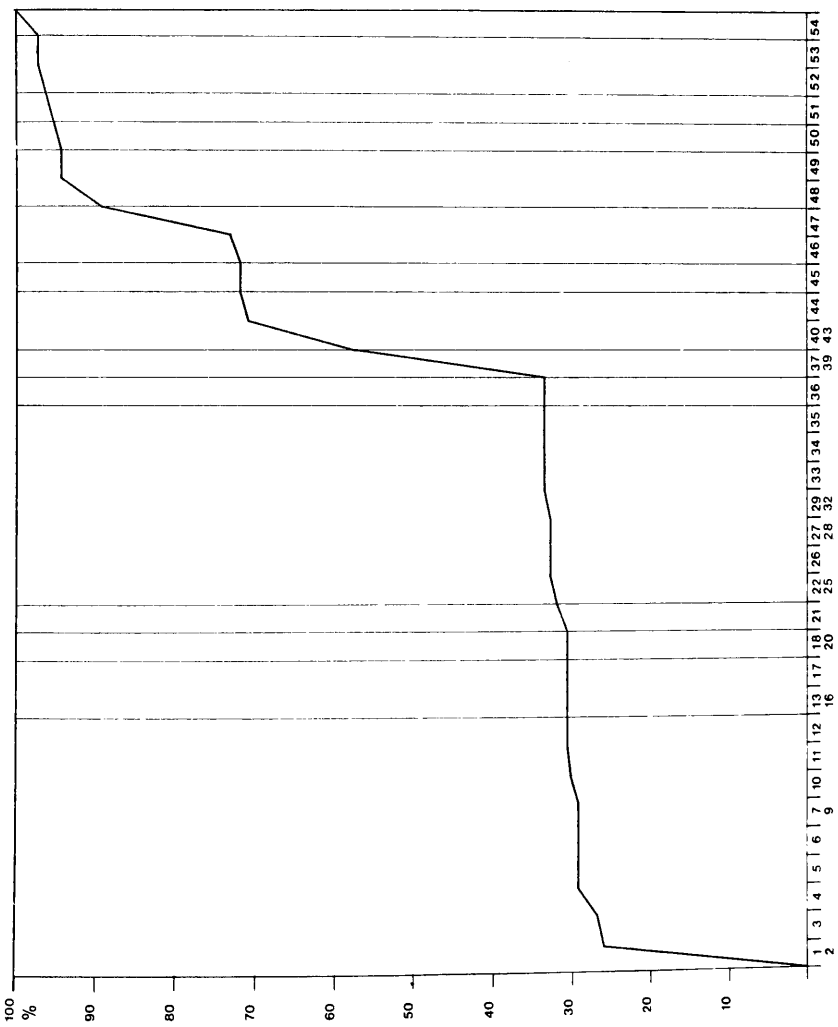
DEBITAGE OF TOOLS





LEVEL XVI
SC E4, F4 AND F3

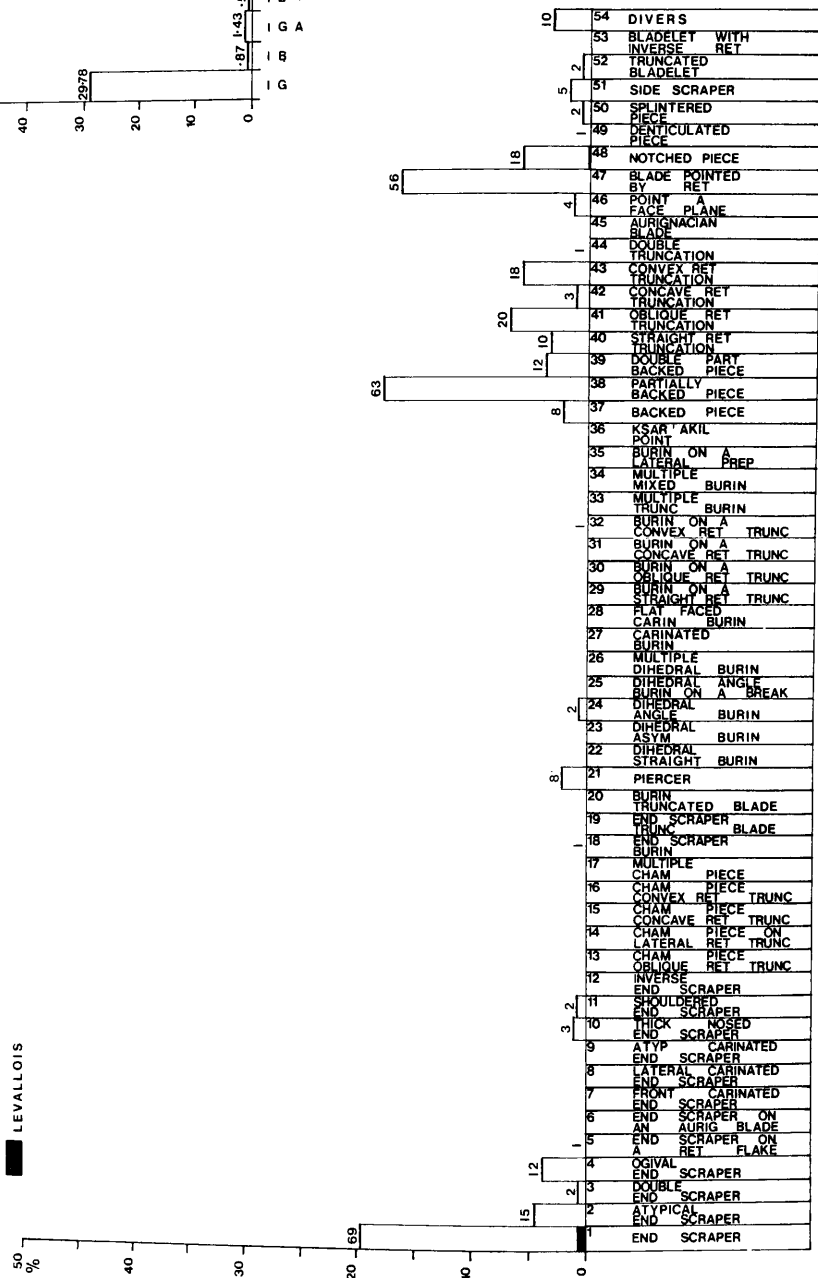
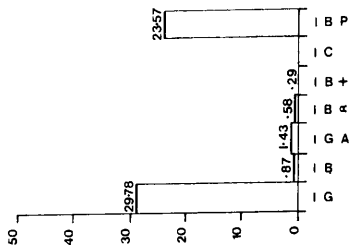
TOOL TYPES



1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	A TYPICAL	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OBLIQUE SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONVEX RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE TRUNC BURIN
7	FRONT CARINAT END SCRAPER	34	MULTIPLE MIXED BURIN
8	FRONT CARINAT SCRAPER	35	THIN OVAL LATERAL PREP
9	A TYP CARINAT END SCRAPER	36	KSAR' AKIL POINT
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE ON OBLIQUE RET TRUNC	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	OBLIQUE RET TRUNC
15	CHAM PIECE ON CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE ON CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	CHAM PIECE ON MULTIPLE TRUNC BURIN	44	DOUBLE TRUNCATION
18	END SCRAPER BURIN	45	AURIGNACIAN BLADE
19	END SCRAPER TRUNC BLADE	46	POINT A FACE PLANE
20	BURIN TRUNC BLADE	47	BLADE POINTED BY RET
21	PIERCER	48	POINCHED PIECE
22	DIHEDRAL STRAIGHT BURIN	49	DENTICULATED PIECE
23	DIHEDRAL ASYM BURIN	50	SHLINTERED PIECE
24	DIHEDRAL ANGLE BURIN	51	SIDE SCRAPER
25	HEM ANGLE BURIN ON A BREAK	52	HEM ANGLE BURIN ON A BREAK
26	MULTIPLE DIHEDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

TOOL TYPES

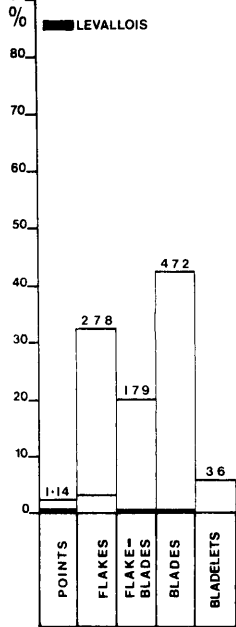
LEVEL XVI
SO, E4, F4 AND F3



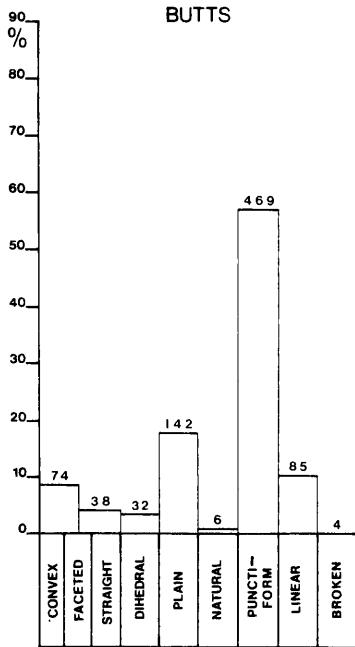
LEVEL XVI
SQ. E4, F4 AND F3

BLANKS

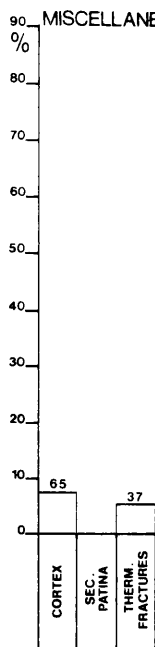
TECHNOLOGY



BUTTS

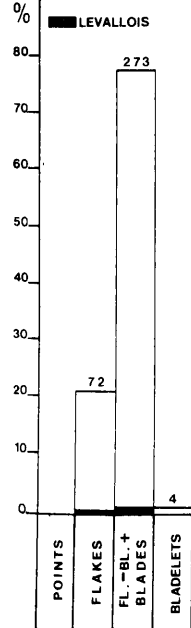


MISCELLANEOUS

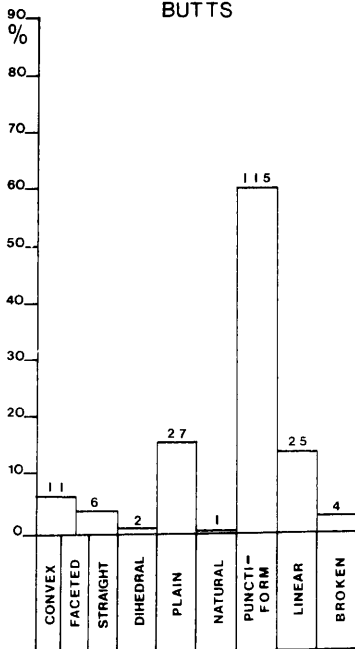


DEBITAGE OF TOOLS

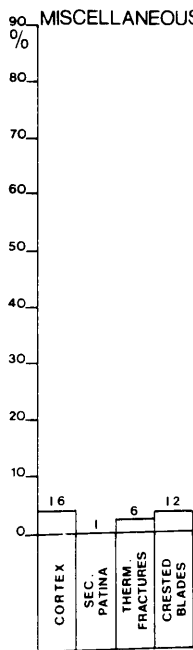
TECHNOLOGY



BUTTS



MISCELLANEOUS



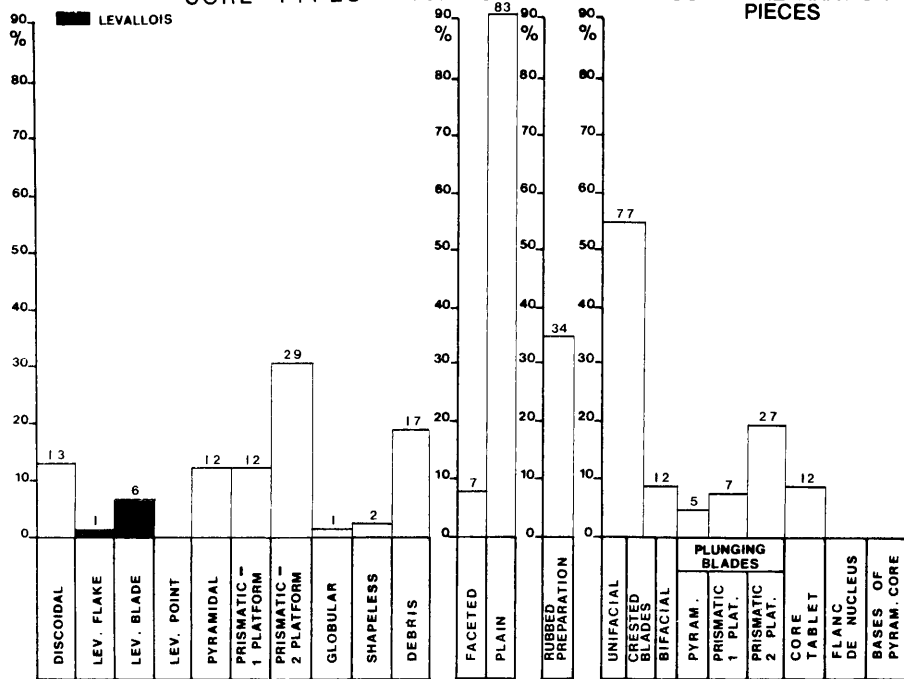
LEVEL XVI
SO. E4, F4 AND F3

CORE TYPES

PLATFORMS.

RUBBED PREP.

CORE PREPARATION PIECES

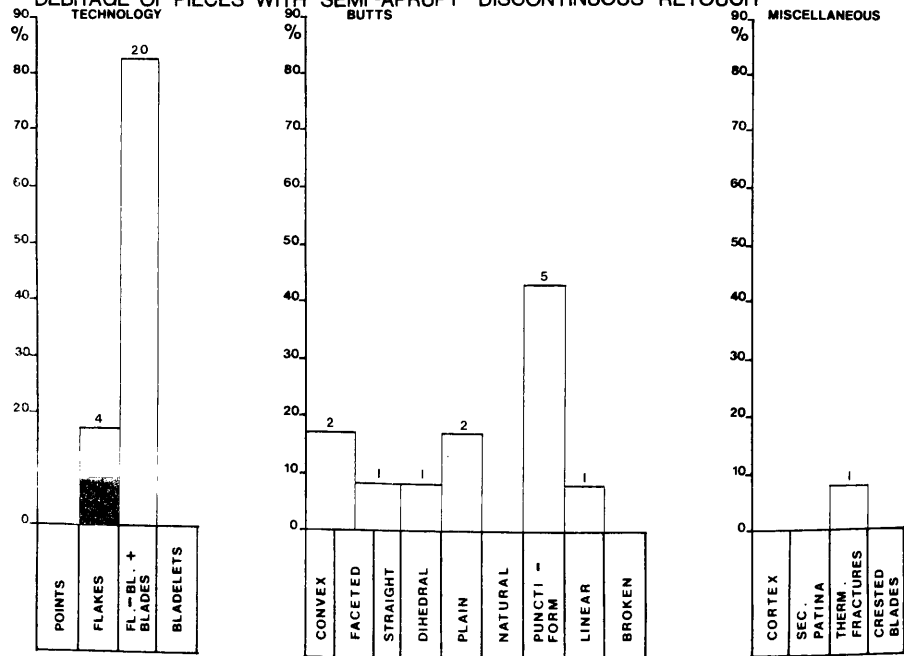


DEBITAGE OF PIECES WITH TECHNOLOGY

SEMI-APRUIT BUTTS

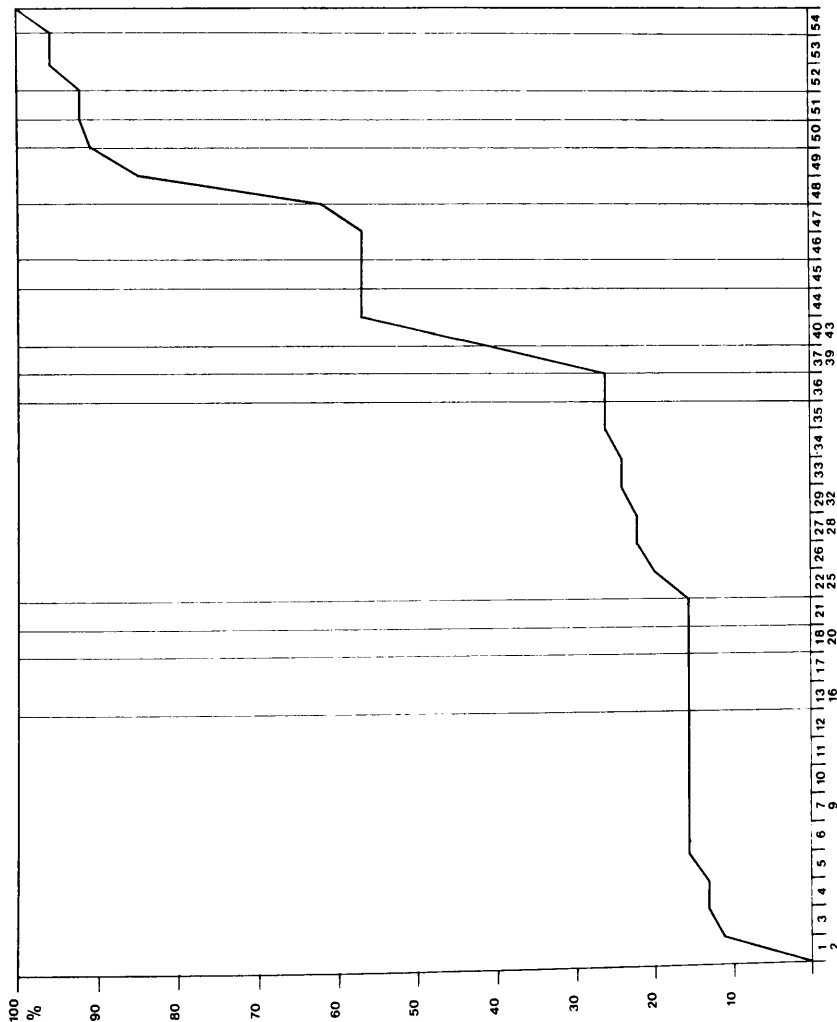
DISCONTINUOUS RETOUCH

MISCELLANEOUS



TOOL TYPES

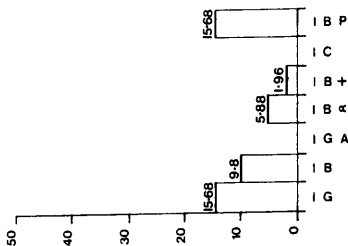
LEVEL XV
SO E4, F4 AND F3



1	END SCRAPER	28	FLAT FACED CARINAT RET TRUNC
2	A TYP END SCRAPER	29	FLAT FACED CARINAT ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OGIVAL END SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONVEX RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE BURIN
7	PROXIMATE END SCRAPER	34	MIXED BURIN
8	LAT CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	A TYP CARINAT END SCRAPER	36	KSAR AKIL POINT
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	SMALLLY BACKED PIECE
12	END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE	40	STRAIGHT RET TRUNC
14	OBLIQUE PIECE ON LATERAL PREP	41	OBLIQUE RET TRUNC
15	CHAM PIECE ON CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE ON CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE CHAM PIECE	44	DOUBLE TRUNCATION
18	END SCRAPER BURIN	45	AURIGNACIAN BLADE
19	END SCRAPER TRUNC BLADE	46	POINT A
20	BURIN TRUNC BLADE	47	FACE PLANE POINTED BY RET TRUNC
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL BURIN STRAIGHT	49	DENTICULATED PIECE
23	DIHEDRAL BURIN ASYM	50	SPLINTERED PIECE
24	DIHEDRAL BURIN ANGLE	51	SCRAPER
25	DIHEDRAL BURIN ON A BREAK	52	TRUNCATED BLADELET
26	MULTIPLE DIHEDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

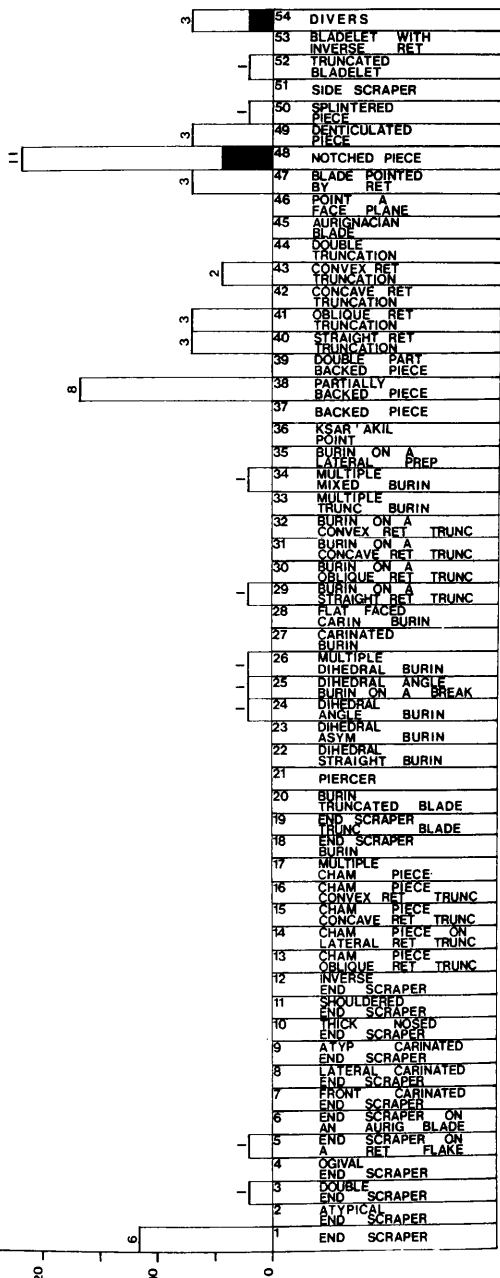
TOOL TYPES

LEVEL IV
E4, F4 AND F3



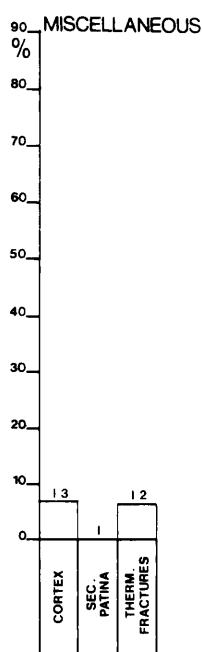
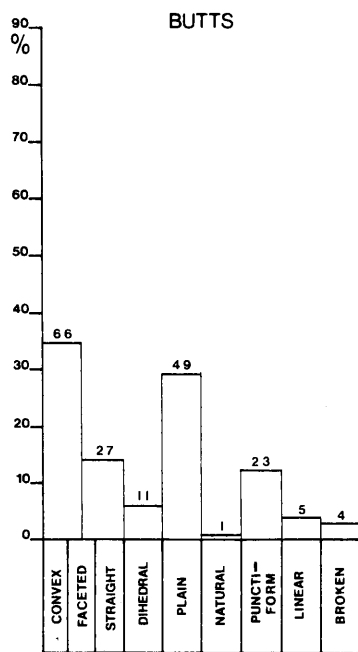
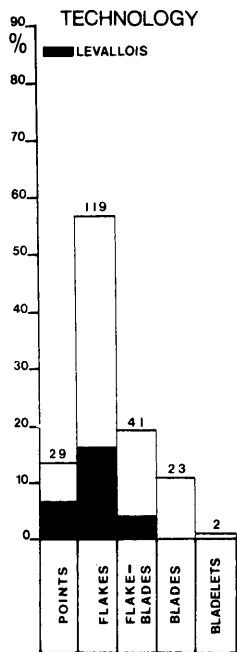
LEVALLOIS

50 %

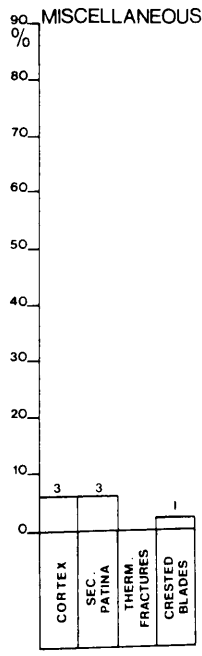
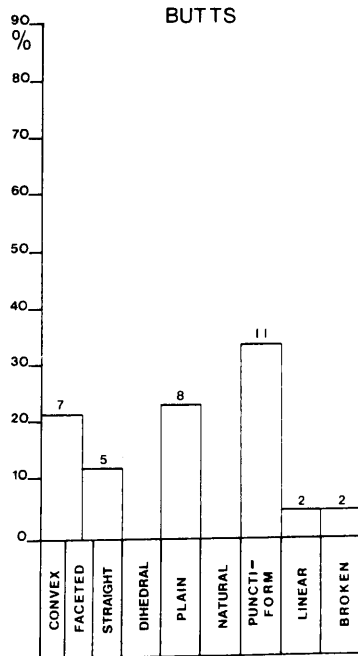
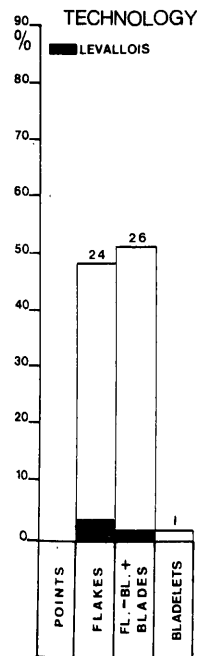


LEVEL XV
SQ. E4,F4 AND F3

BLANKS

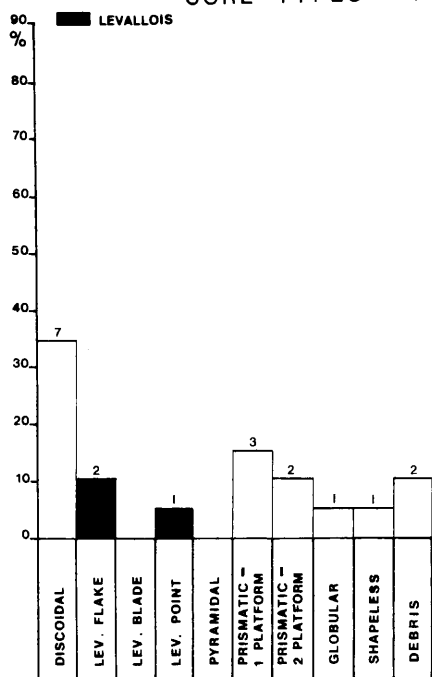


DEBITAGE OF TOOLS

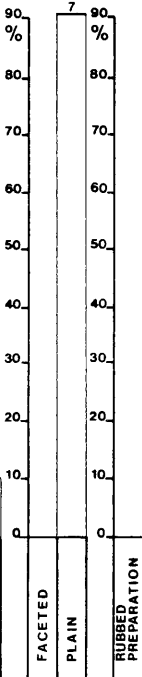


LEVEL XV
 SO. E4, F4 AND F3

CORE TYPES



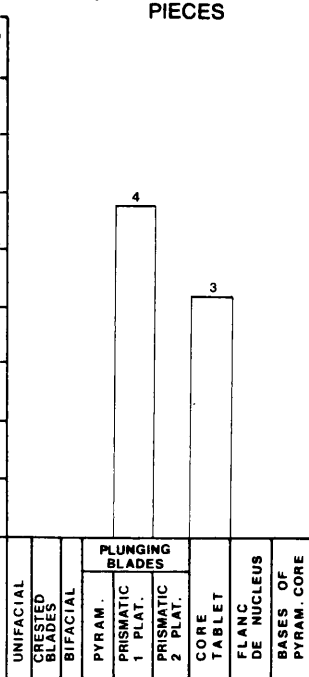
PLATFORMS.



RUBBED PREP.

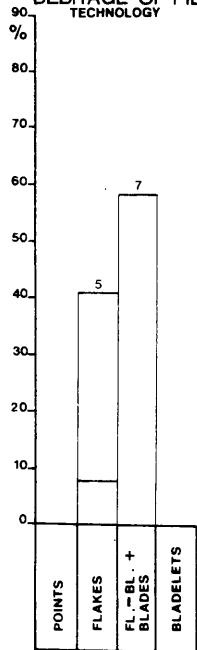


CORE PREPARATION PIECES

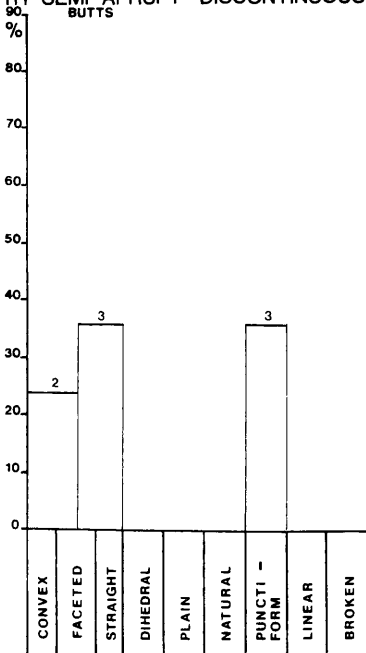


DEBITAGE OF PIECES WITH SEMI-APRUPTE DISCONTINUOUS RETOUCH

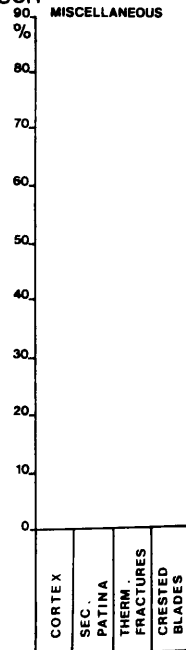
TECHNOLOGY



BUTTS

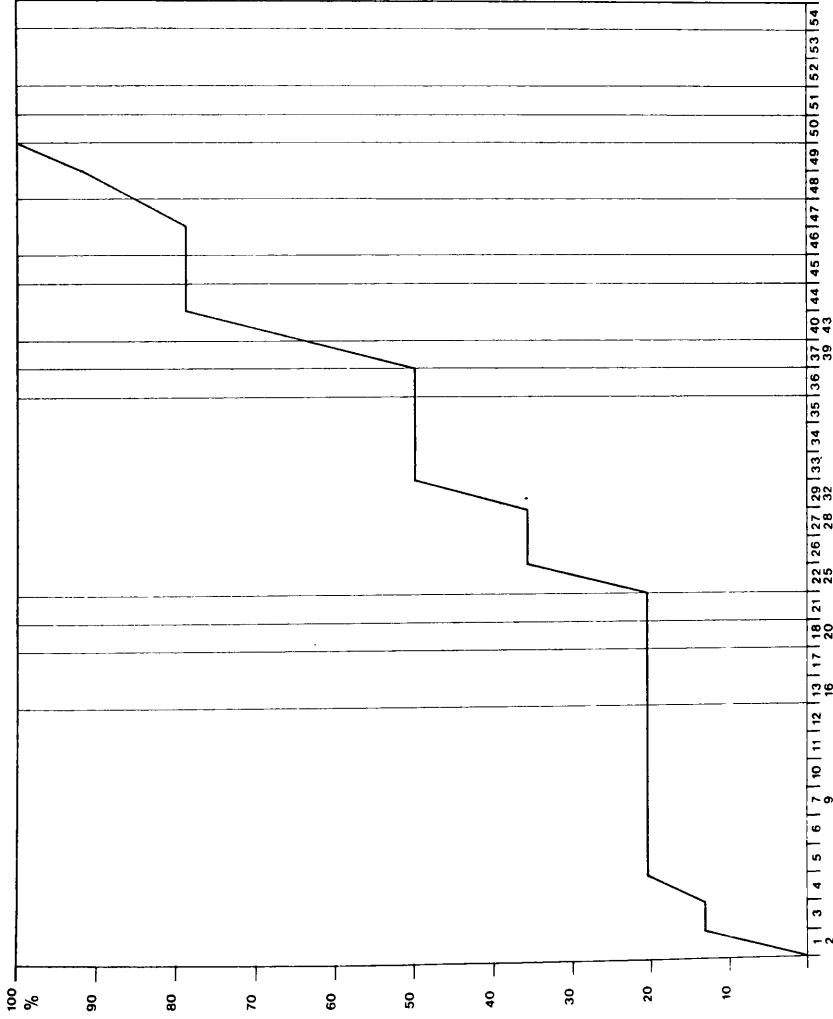


MISCELLANEOUS



TOOL TYPES

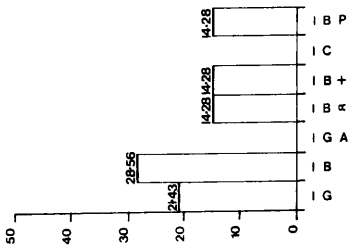
LEVEL XIV
SQ E4



1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	A TYPICAL END SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON A OBLIQUE RET TRUNC
4	END SCRAPER ON A RET FLAKE	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON AN AURIG BLADE	32	BURIN ON A CONVEX RET TRUNC
6	FRONT CARINAT END SCRAPER	33	MULTIPLE TRUNC BURIN
7	END SCRAPER AT ANGLE	34	MULTIPLE TRUNC BURIN
8	A TYP CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	THICK NOSED END SCRAPER	36	KSAR' AKIL POINT
10	SHOULDERED END SCRAPER	37	BACKED PIECE
11	INVERSE END SCRAPER	38	PARTIALLY BACKED PIECE
12	CHAM PIECE ON OBLIQUE RET TRUNC	39	DOUBLE PART BURIN
13	CHAM PIECE ON LATERAL PREP	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON CONCAVE RET TRUNC	41	OBLIQUE RET TRUNC
15	CHAM PIECE ON CONVEX RET TRUNC	42	CONCAVE RET TRUNC
16	MULTIPLE CHAM PIECE TRUNCATION	43	CONVEX RET TRUNC
17	END SCRAPER BURIN	44	DOUBLE TRUNCATION
18	END SCRAPER TRUNC BLADE	45	AURIGNACIAN BLADE
19	BURIN TRUNC BLADE	46	POINT A
20	BURIN TRUNC BLADE	47	BLADE POINT A
21	PIERCER	48	POINT A BY RET PIECE
22	DIHEDRAL STRAIGHT BURIN	49	DENTICULATED PIECE
23	DIHEDRAL ASYM BURIN	50	SPLINTERED PIECE
24	DIHEDRAL ANGLE BURIN	51	SIDE SCRAPER
25	DIHEDRAL BURIN ON A BREAK	52	TRUNCATED BLADELET
26	MULTIPLE DIHEDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

TOOL TYPES

LEVEL XIV
SQ. E4



LEVALLOIS

50
%

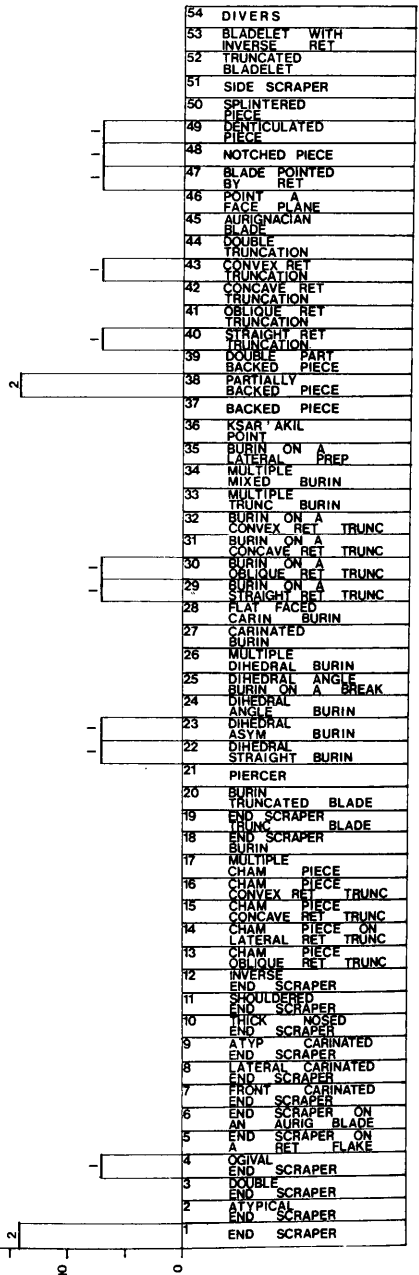
40

30

20

10

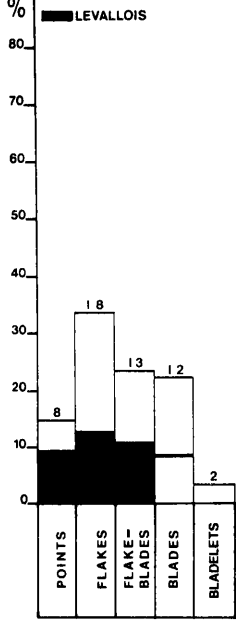
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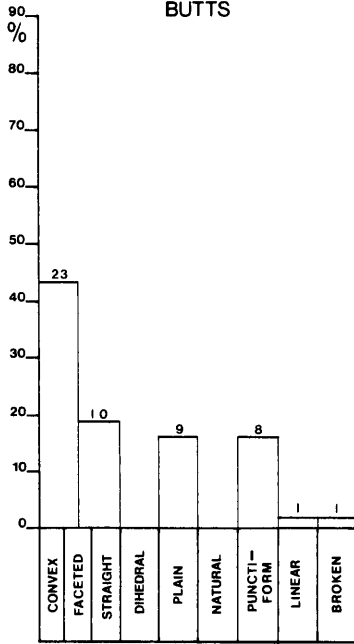
LEVEL XIV
SQ. E4

BLANKS

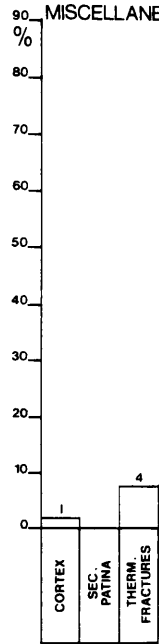
TECHNOLOGY



BUTTS

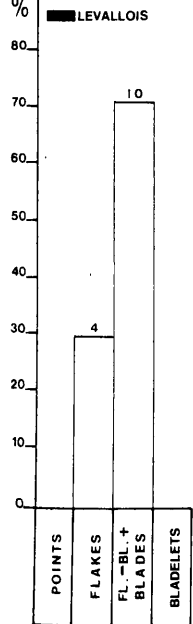


MISCELLANEOUS

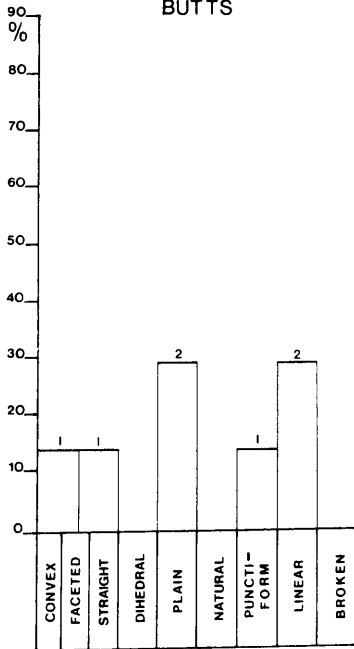


DEBITAGE OF TOOLS

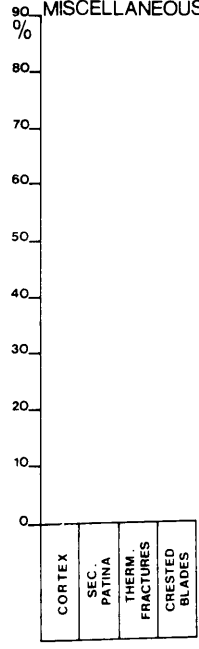
TECHNOLOGY



BUTTS

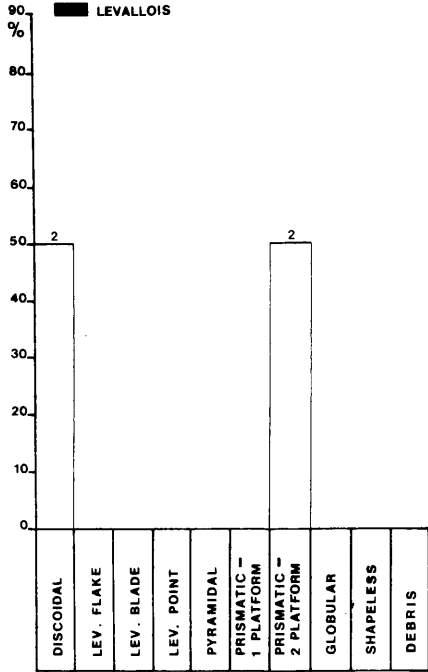


MISCELLANEOUS

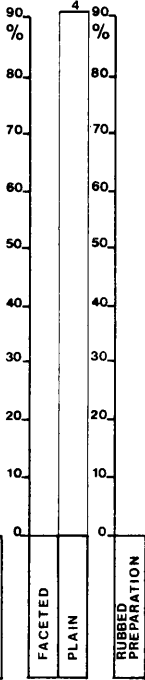


LEVEL XIV
SO. E4

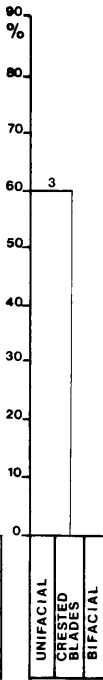
CORE TYPES



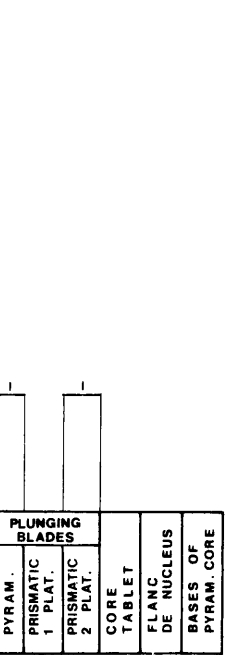
PLATFORMS.



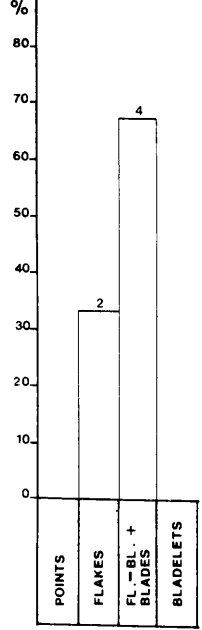
RUBBED PREP.



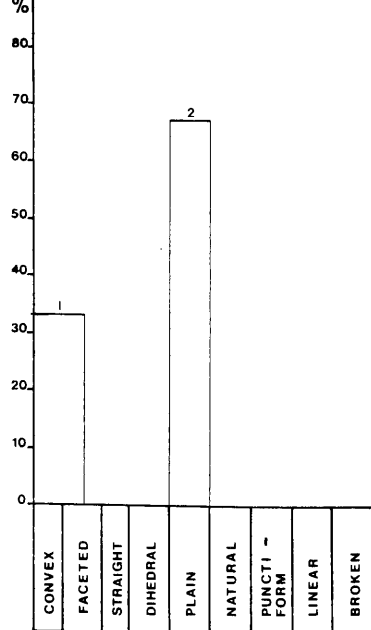
CORE PREPARATION PIECES



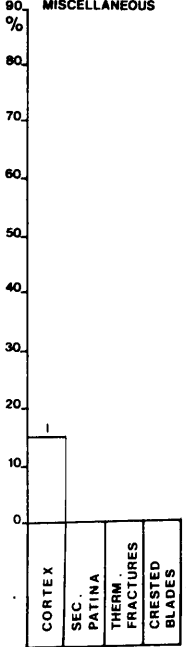
DEBITAGE OF PIECES WITH SEMI-APRUPT TECHNOLOGY



SEMI-APRUPT BUTTS

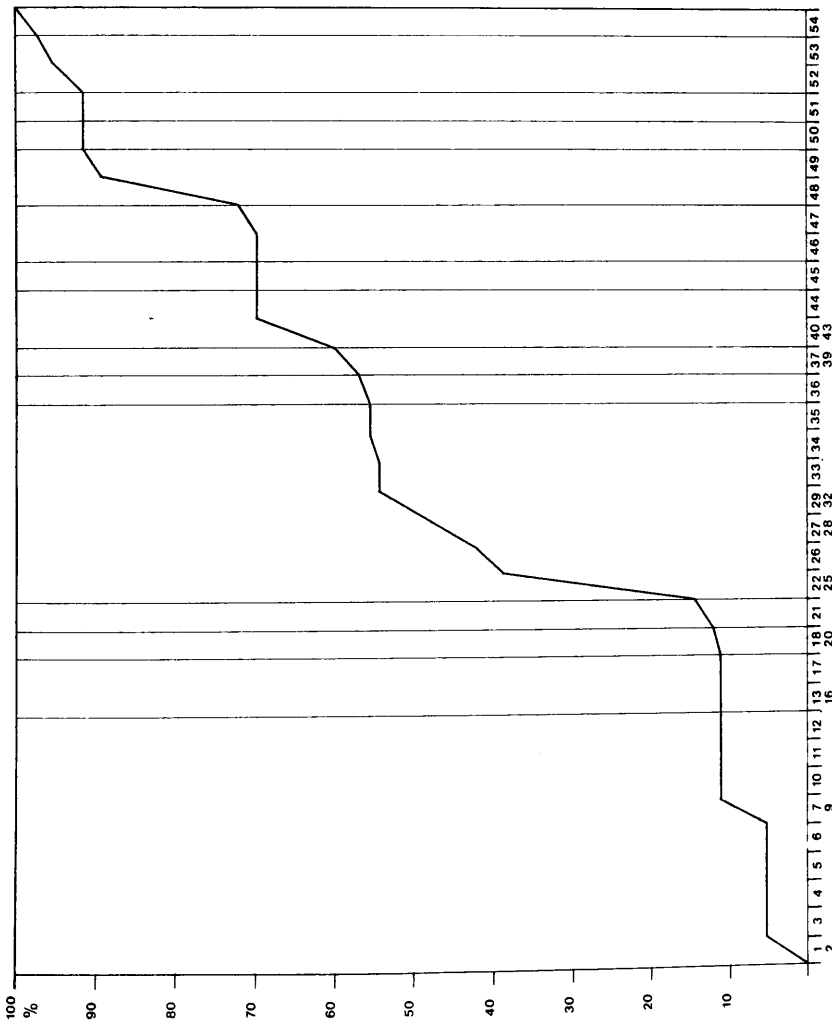


DISCONTINUOUS RETOUCH



T.OOL T.Y.P.E.S

LEVEL XII, SQ E4, F4 AND F3

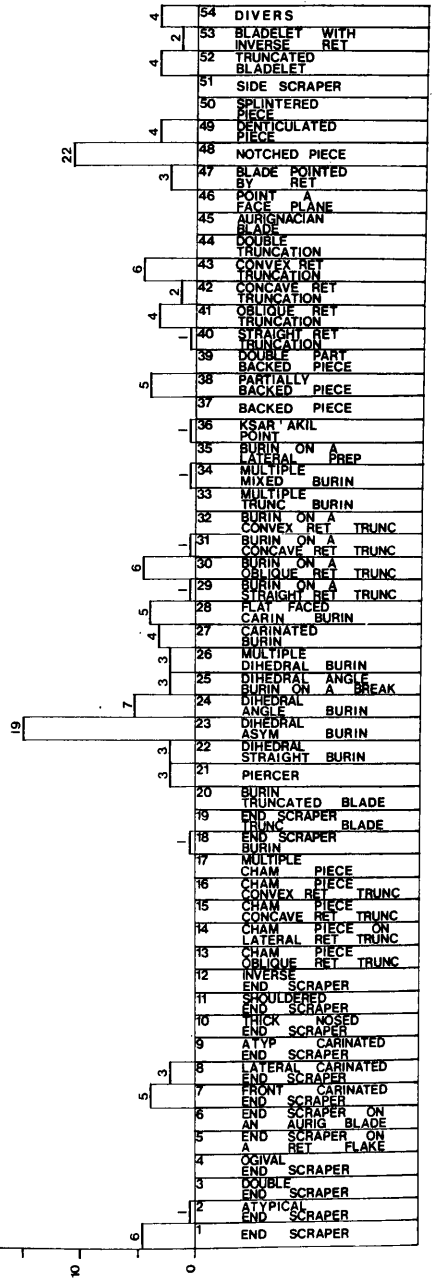
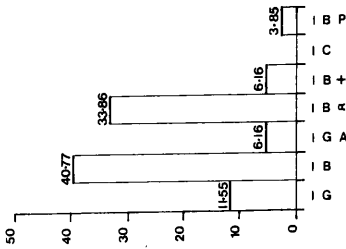


1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	ATYPICAL END SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	INVERTED SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONVEX RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE TRUNC BURIN
7	FRONT CARINAT END SCRAPER	34	MIXED BURIN
8	FLAT SCARINAT END SCRAPER	35	LATERAL PREP
9	A TYP CARINAT END SCRAPER	36	KSAB'AKIL POINT
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE ON ONE RET TRUNC	40	RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	OBLIQUE RET TRUNC
15	CHAM PIECE CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE PIECE BURIN	44	TRUNCATION
18	END SCRAPER BURIN	45	AURIGNACIAN BLADE
19	END SCRAPER TRUNC BLADE	46	POINT A FACE PLANE
20	BURIN TRUNC BLADE	47	BLADE POINTED BY RET
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL STRAIGHT BURIN	49	DEANTICULATED PIECE
23	DIHEDRAL ASYM BURIN	50	SPLINTERED PIECE
24	DIHEDRAL ANGLE BURIN	51	SIDE SCRAPER
25	DIHEDRAL ANGLE BURIN WITH A BREAK	52	TRUNCATED BURIN
26	MULTIPLE DIHEDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

TOOL TYPES

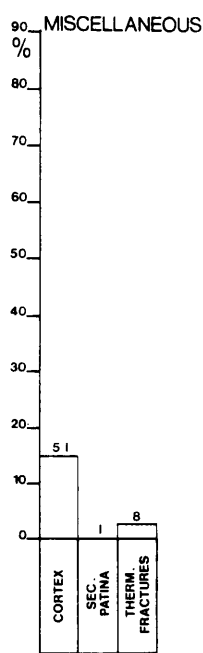
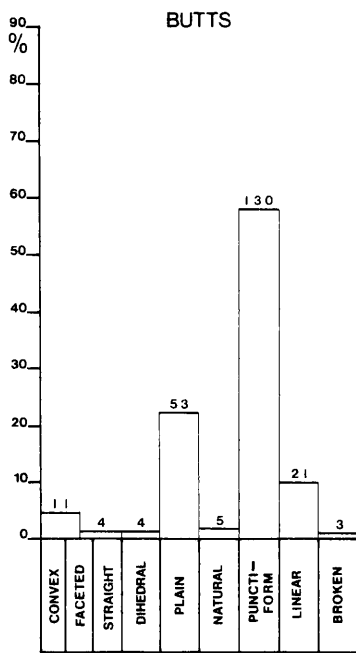
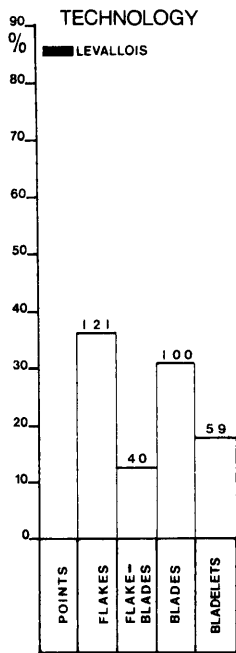
LEVEL XIII,
SO, E4, F4, AND F3

LEVALLOIS

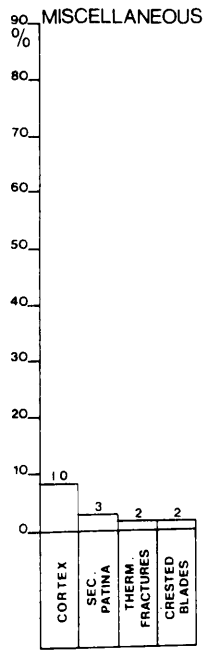
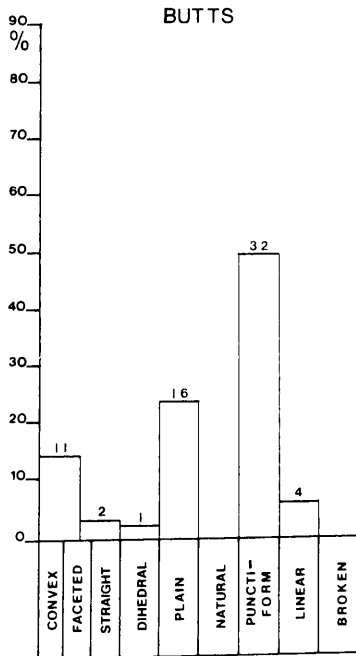
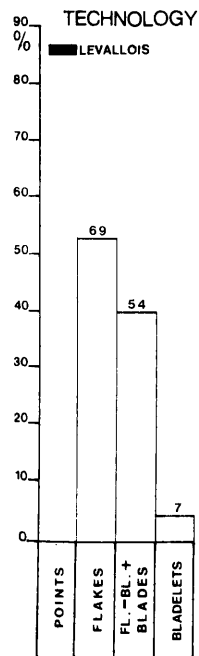


LEVEL XIII
SO. E4,F4 AND F3

BLANKS

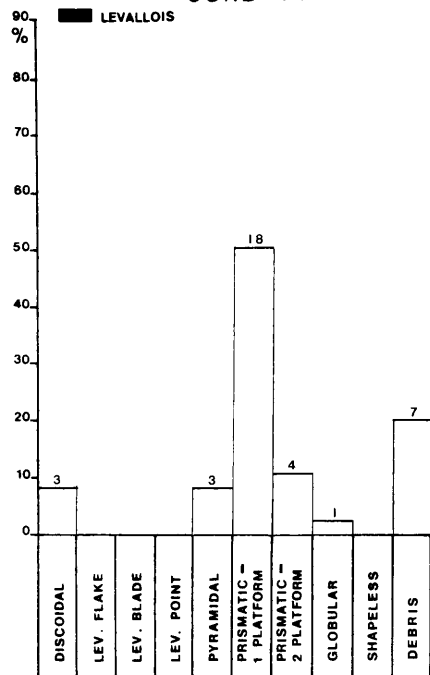


DEBITAGE OF TOOLS

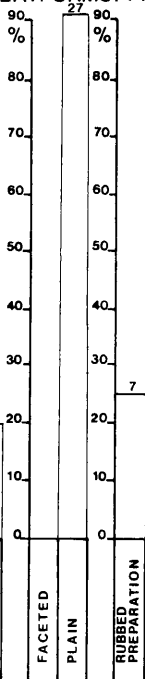


LEVEL XIII
SQ. E4, F4 AND F3

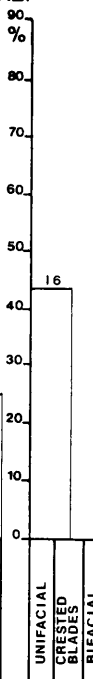
CORE TYPES



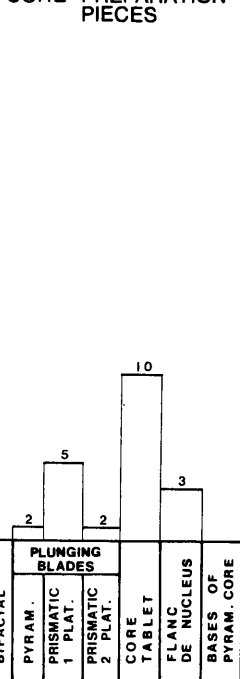
PLATFORMS.



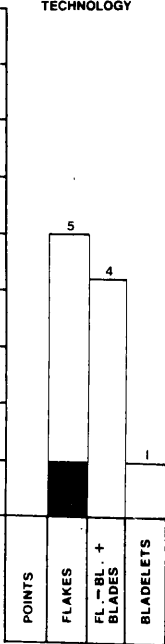
RUBBED PREP.



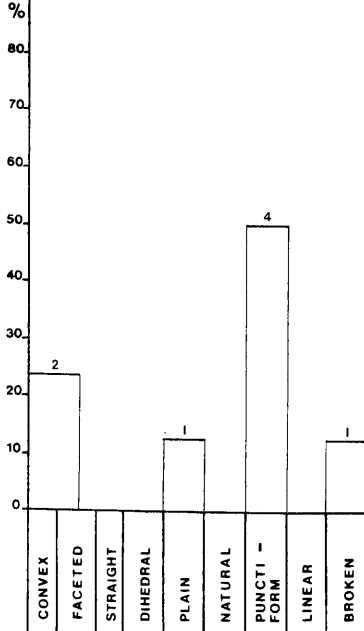
CORE PREPARATION PIECES



DEBITAGE OF PIECES WITH SEMI-APRUIT DISCONTINUOUS RETOUCH



SEMI-APRUIT

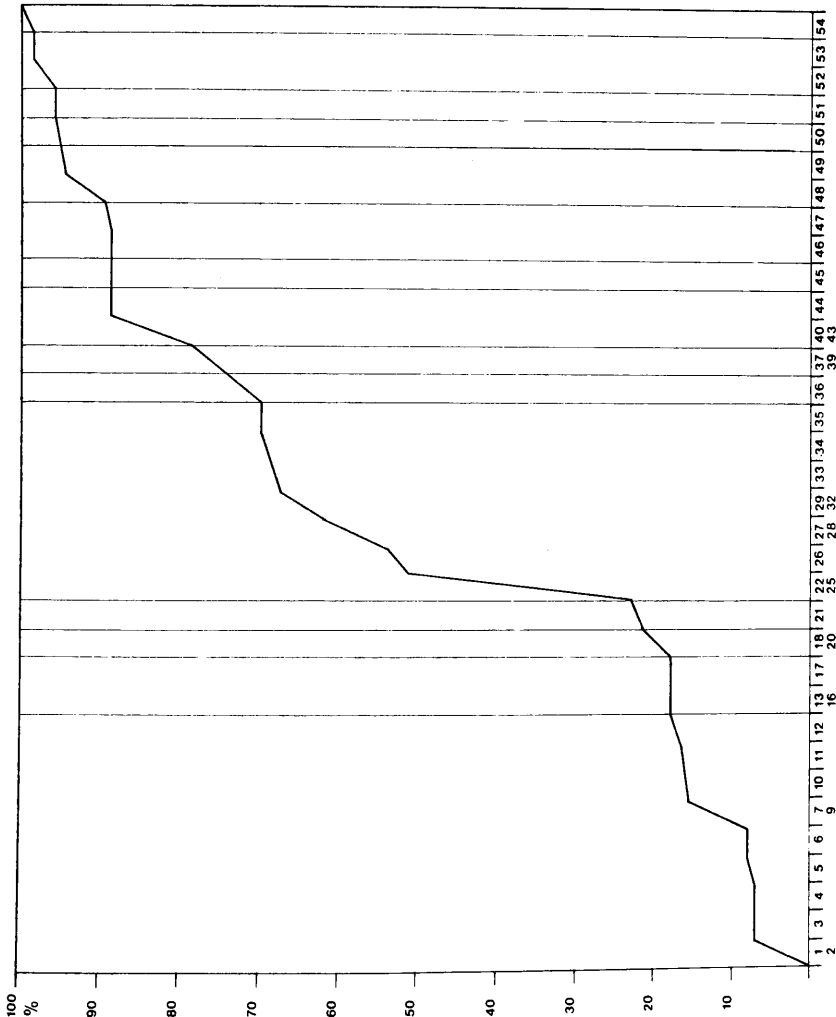


MISCELLANEOUS



TOOL TYPES

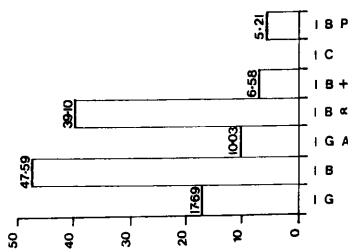
LEVEL XII
SO E4,F4 AND F3



1	END SCRAPER	28	FLAT FACED
2	END SCRAPER	29	CARRIN BURIN
3	DOUBLE	30	BURIN ON AN
4	OGIVAL	31	BURIN ON AN
5	END SCRAPER ON A	32	BURIN ON A
6	END SCRAPER ON AN	33	BURIN ON A
7	PROT BURIN	34	MULTIPLE BURIN
8	END SCRAPER	35	MIXED BURIN
9	LAT CARINAT	36	BURIN ON A LATERAL PREP
10	END SCRAPER	37	KSAR AXIL POINT
11	THICK NOSED	38	BACKED
12	SHOULDERED	39	PIECE
13	END SCRAPER	40	PARTIALLY BACKED
14	INVERSE	41	DOUBLE BACKED
15	CHAM PIECE	42	PIECE
16	OBLIQUE RET TRUNC	43	DOUBLE BACKED
17	LATERAL PREP ON CHAM	44	PIECE
18	CHAM PIECE ON CONVEX	45	RET TRUNC
19	CHAM PIECE ON CONCAVE	46	RET TRUNC
20	RET TRUNC	47	OBLIQUE
21	PIERCER	48	CONCAVE RET TRUNC
22	DIHEDRAL STRAIGHT	49	CONVEX RET TRUNC
23	DIHEDRAL BURIN	50	DOUBLE TRUNCATION
24	ASYM BURIN	51	BLADE
25	DIHEDRAL BURIN ANGLE	52	POINT A
26	MULTIPLE DIHEDRAL BURIN ON A BREAK	53	FACED PLANE
27	CARINATED BURIN	54	POINTED BY RET PIECE

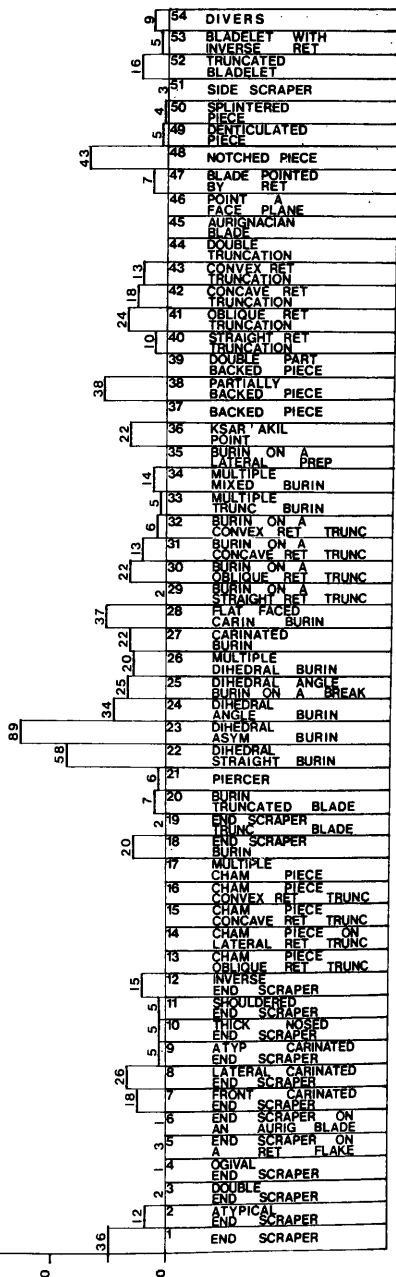
TOOL TYPES

LEVEL VII
50, E4, F4 AND F3



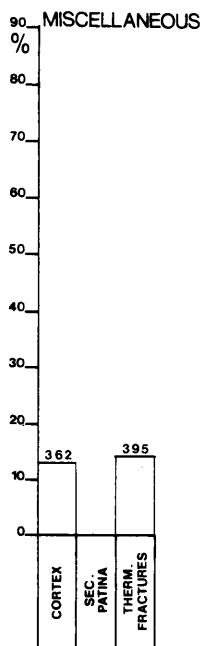
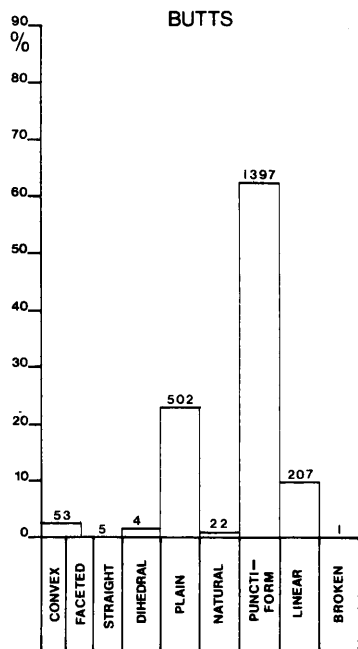
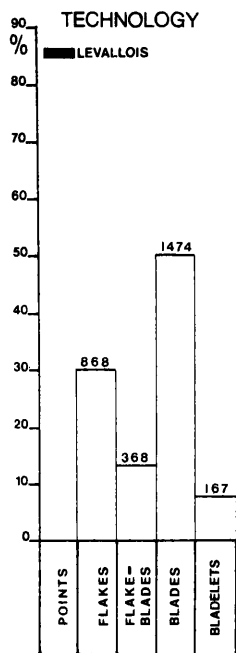
LEVALLOIS

50
%

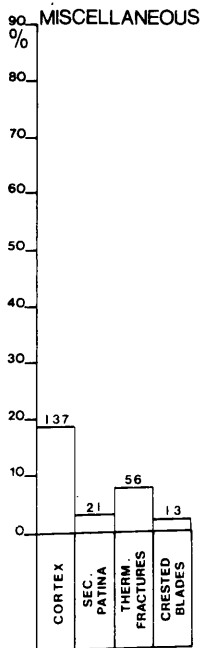
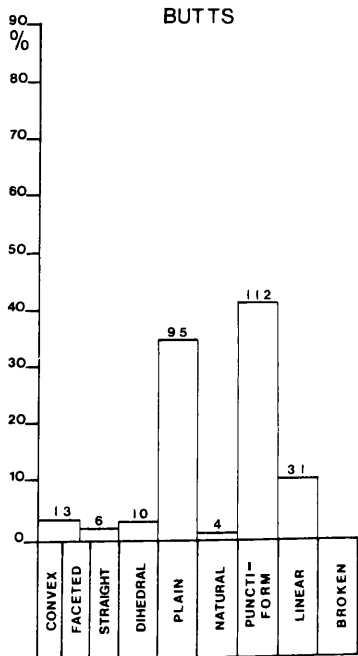
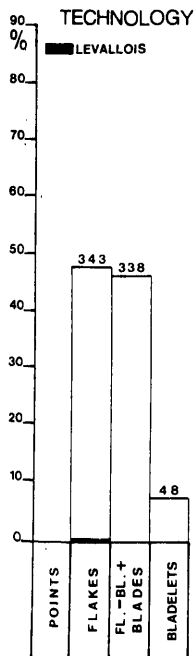


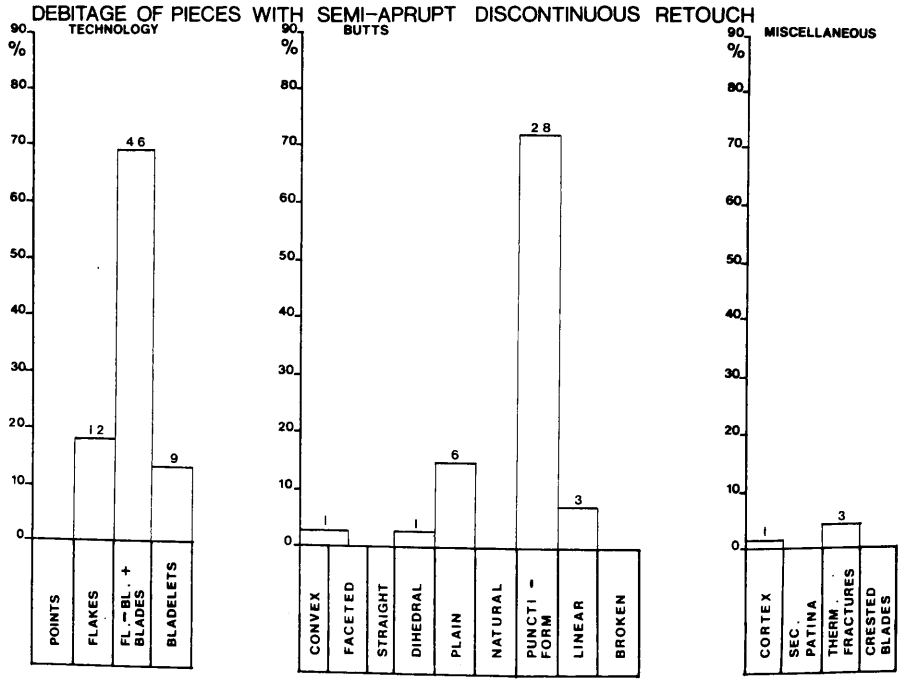
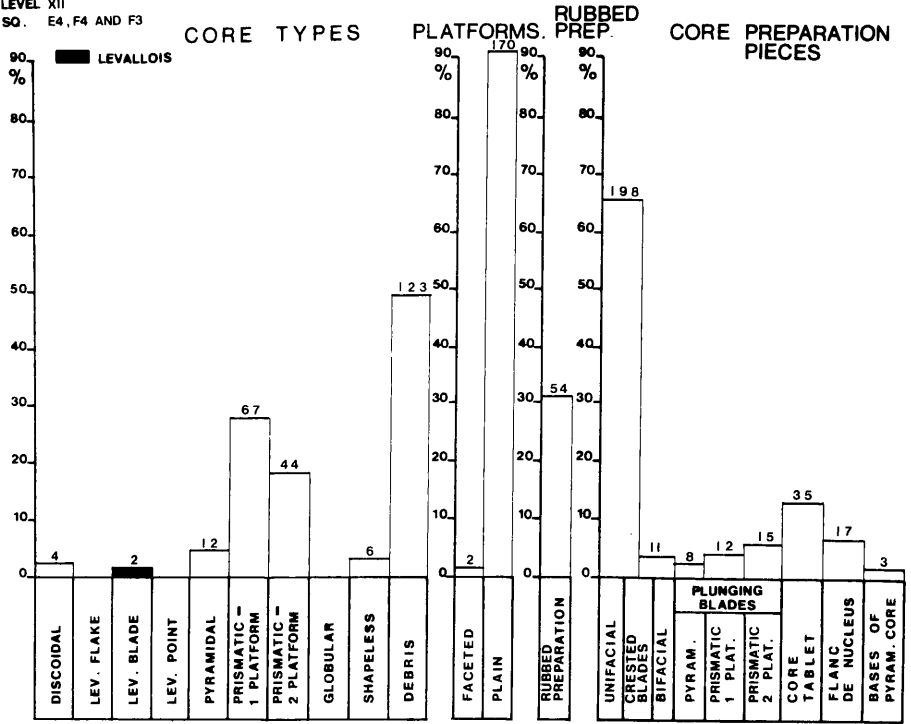
LEVEL XII
SQ. E4, F4 AND F3

BLANKS



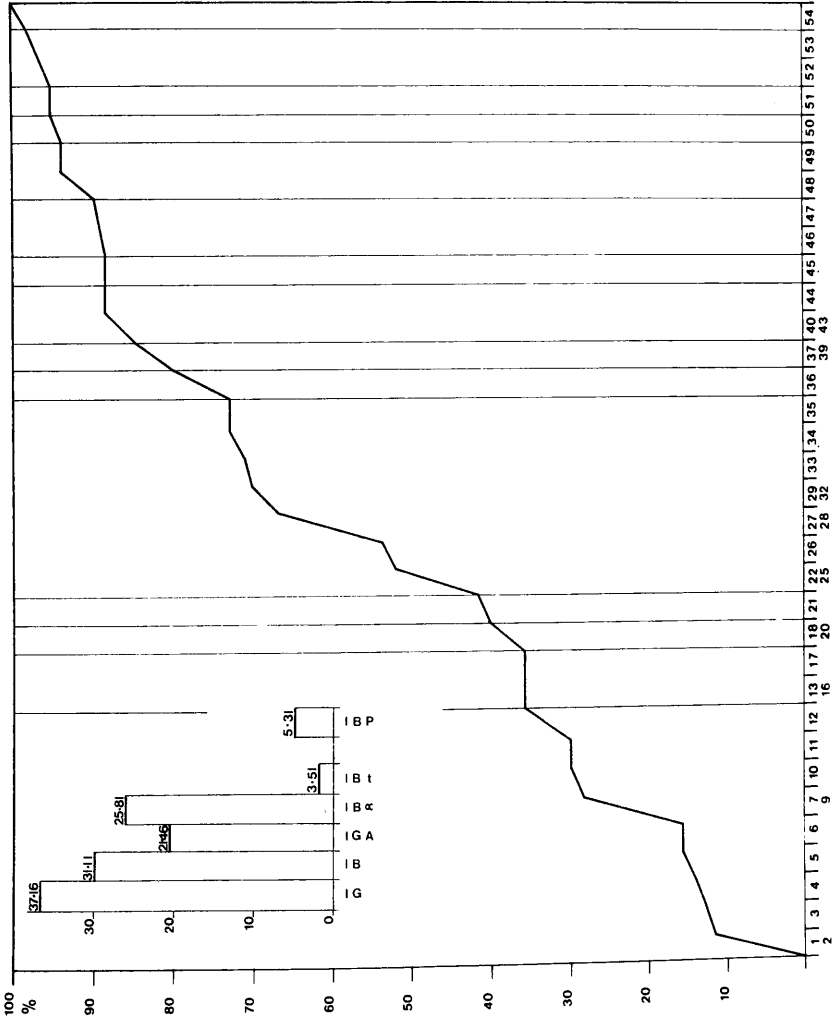
DEBITAGE OF TOOLS





TOOL TYPES

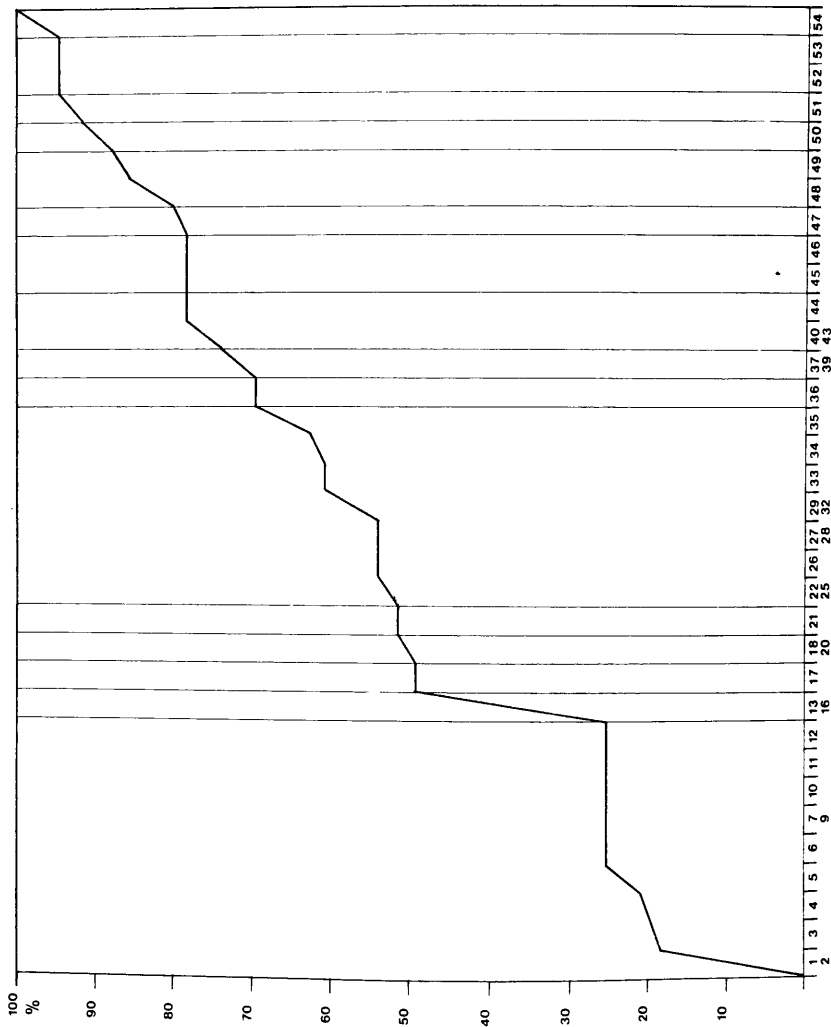
LEVEL XI
50 E4, F4 AND F3



1	END SCRAPER	28	FLAT FACED CARINAT BURIN ON A
2	TYP CARINAT BURIN ON A	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OGIVAL END SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONVEY RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE BURIN
7	CONCAVE CARINAT END SCRAPER	34	MULTIPLE MIXED BURIN
8	LAT CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	A TYP CARINAT END SCRAPER	36	KSAT AKIL POINT
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	TRUNCALLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE OBLIQUE RET TRUNC	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	OBLIQUE RET TRUNC
15	CHAM PIECE ON CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE ON CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE PIECE CHAM	44	DOUBLE TRUNCATION
18	END SCRAPER BURIN	45	AURIGNACIAN BLADE
19	END SCRAPER TRUNC BLADE	46	POINT A BURIN
20	BURIN TRUNC BLADE	47	POINTED BY RET PIECE
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL STRAIGHT BURIN	49	DENTICULATED PIECE
23	DIHEDRAL BURIN ASYM BURIN	50	SPLINTERED PIECE
24	DIHEDRAL BURIN ANGLE SCRAPER	51	TRUNCATED BURIN
25	DIHEDRAL ANGLE BURIN ON A BREAK	52	TRUNCATED BLADELET
26	MULTIPLE DIHEDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

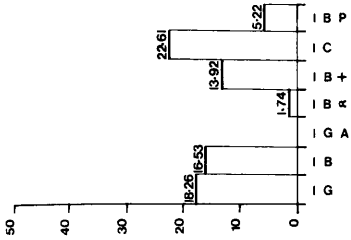
LEVEL IV F
SO

TOOL TYPES



TOOL TYPES

LEVEL IV F
50.



LEVALLOIS

50 %

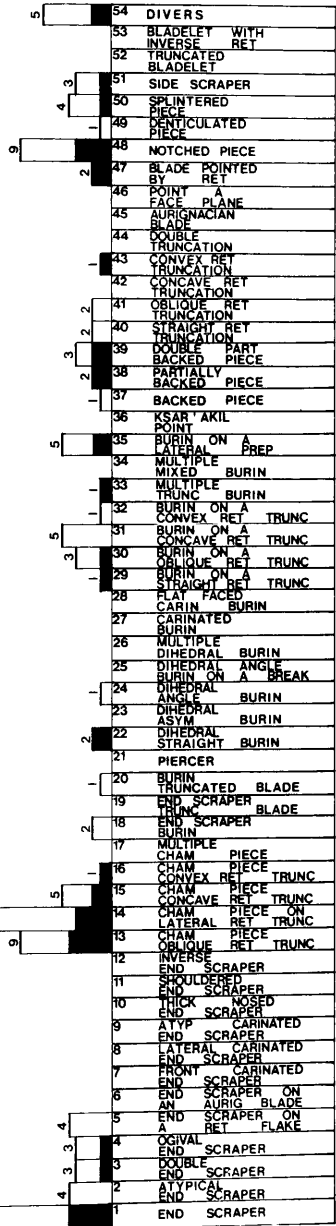
40

30

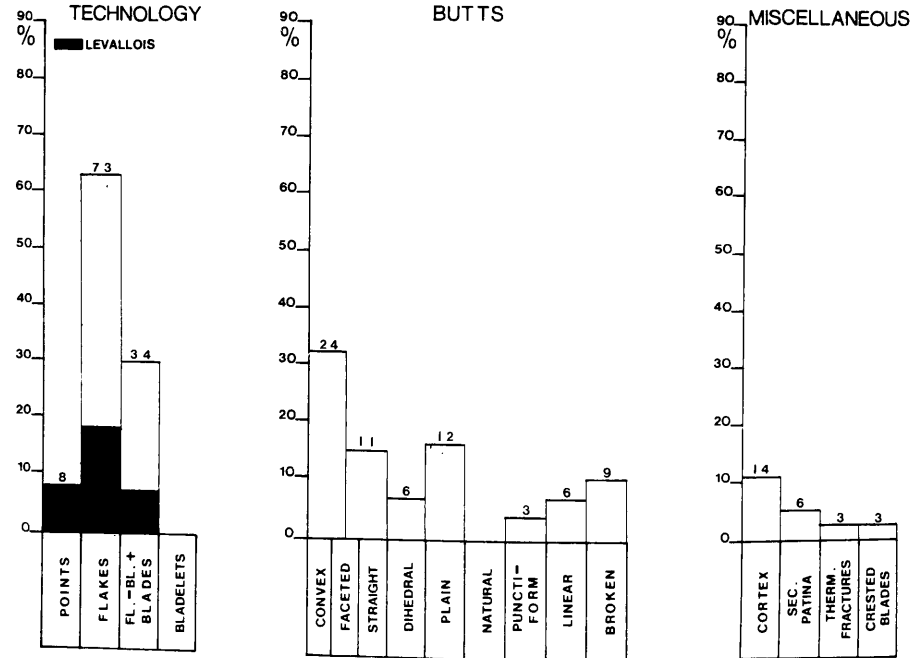
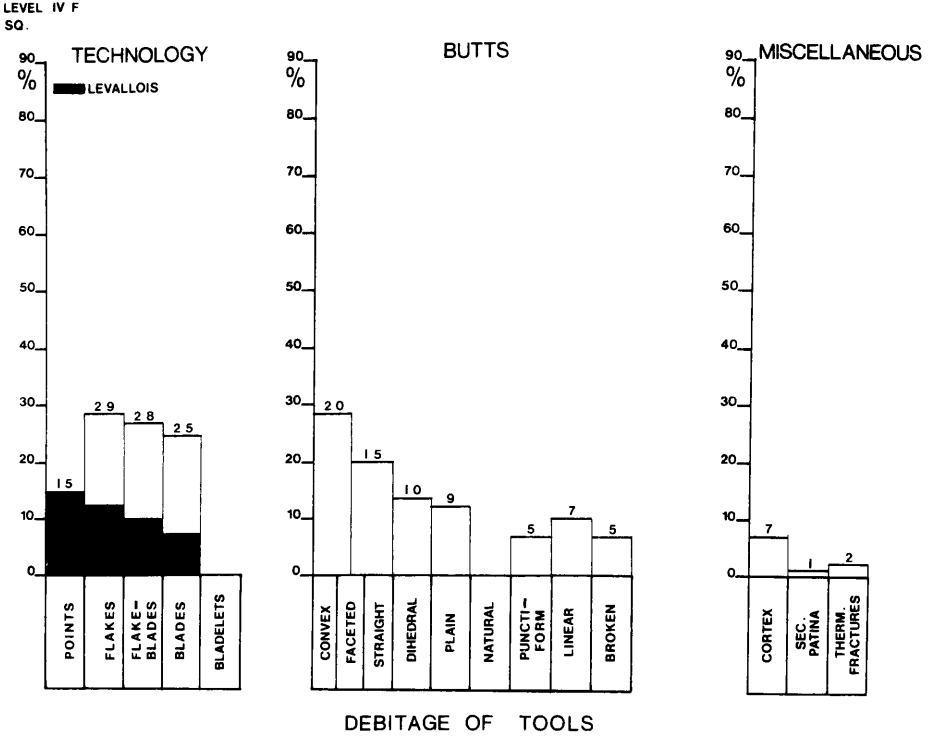
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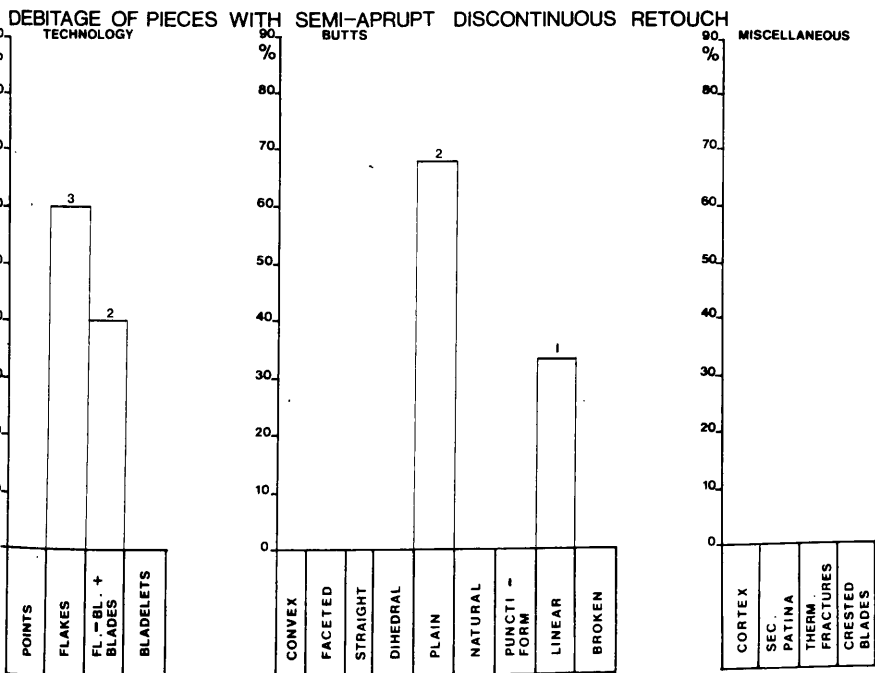
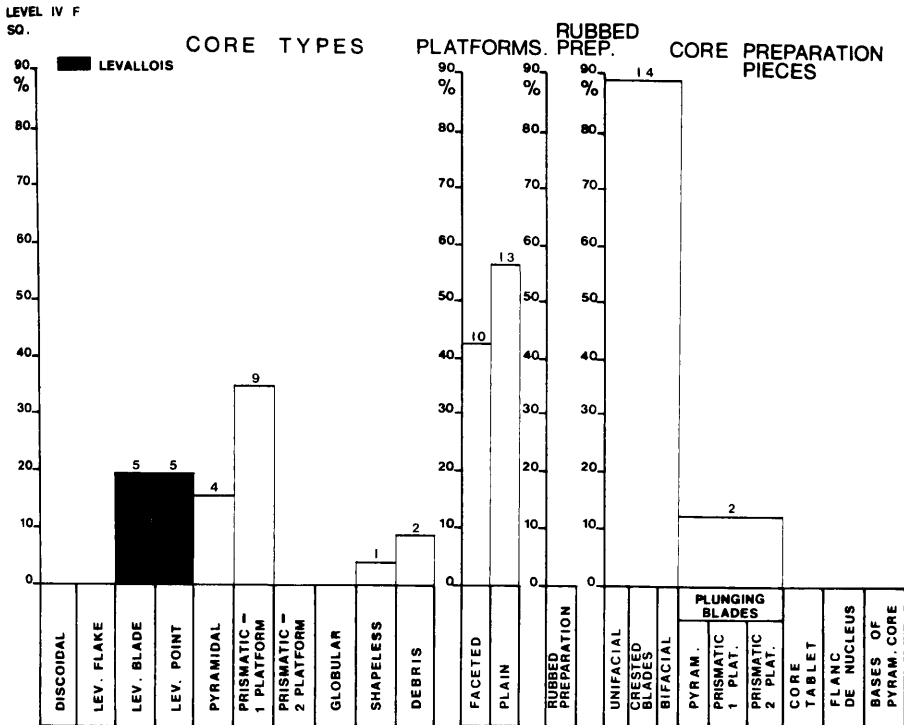
10

0



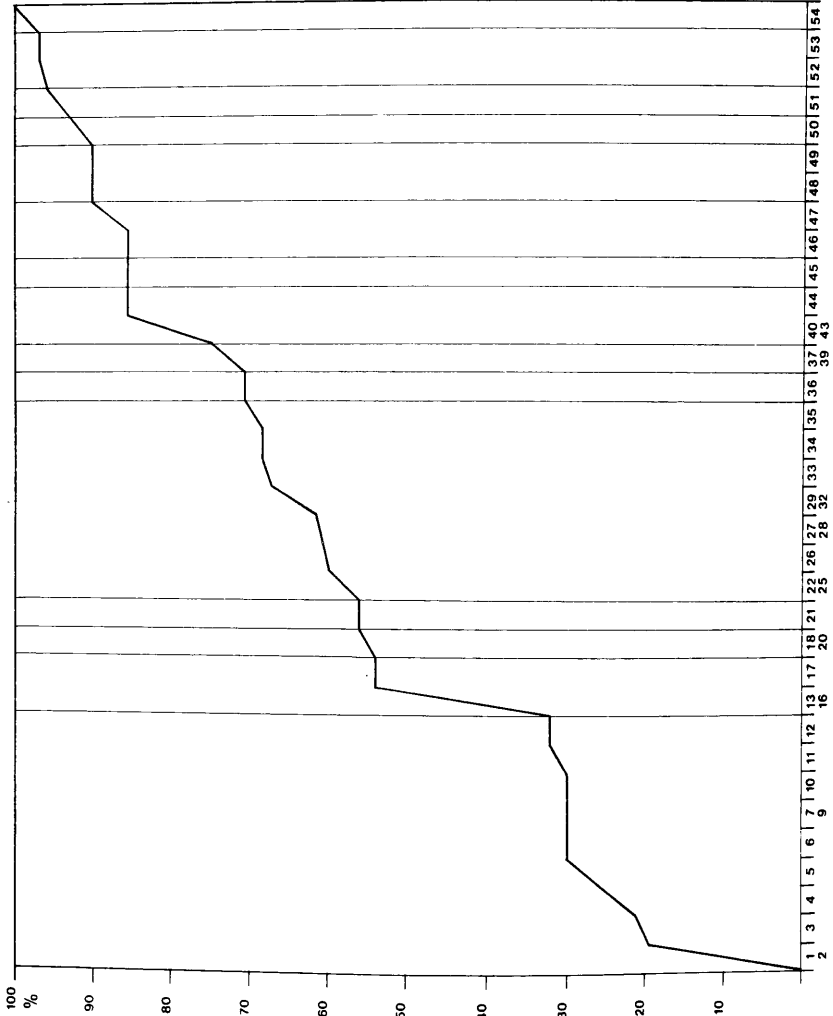
BLANKS





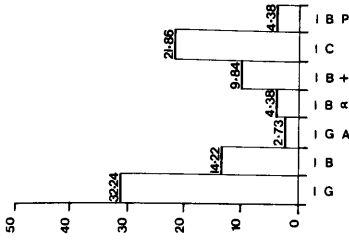
TOOL TYPES

LEVEL IV E



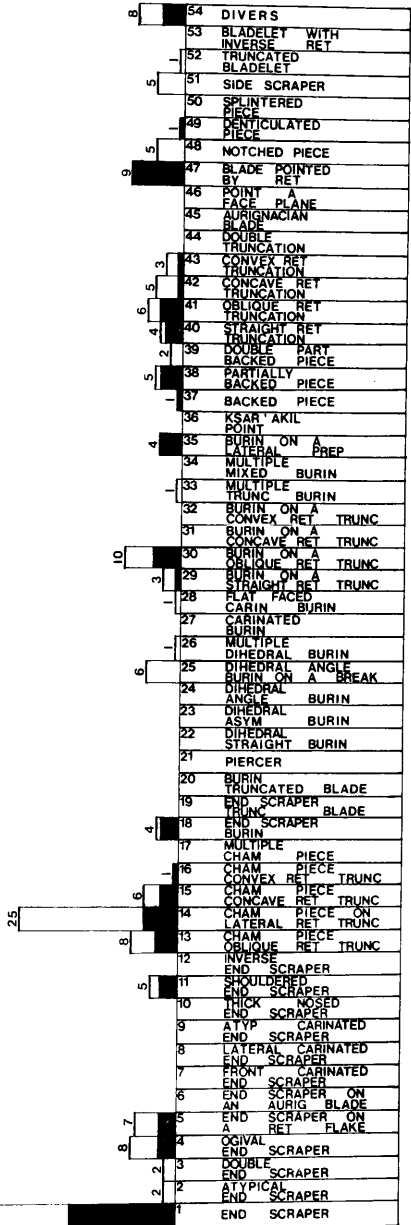
TOOL TYPES

LEVEL IV E
SQ.



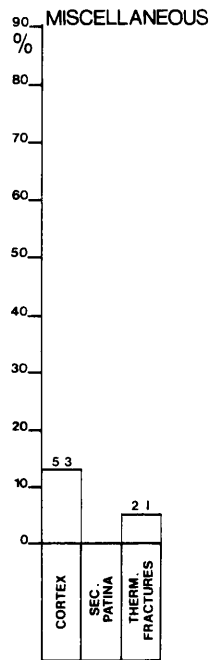
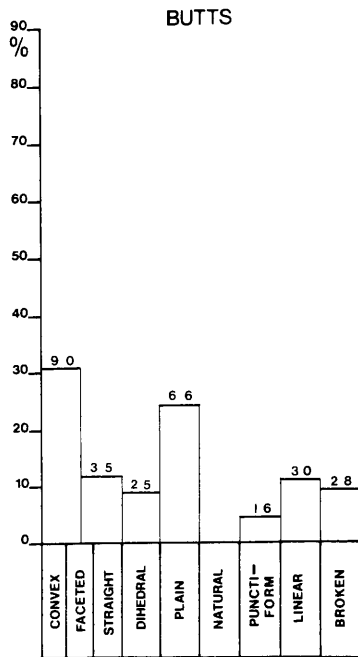
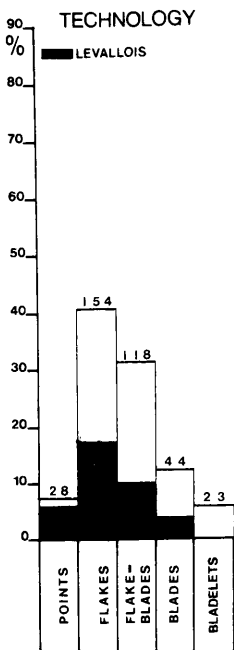
LEVALLOIS

50 %

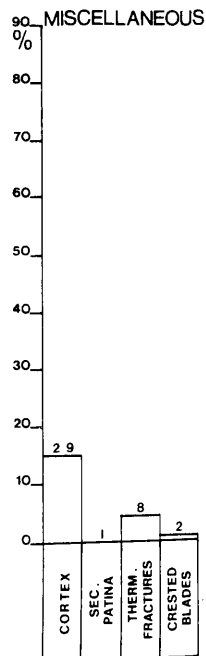
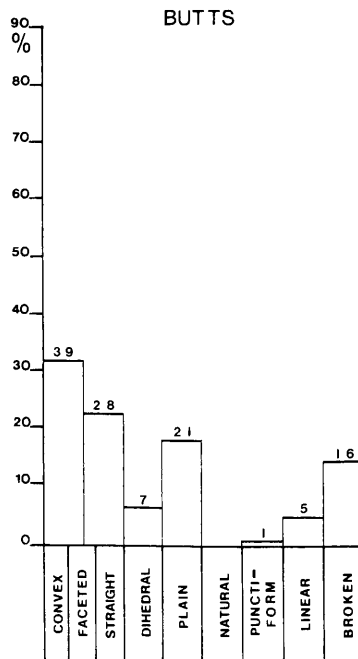
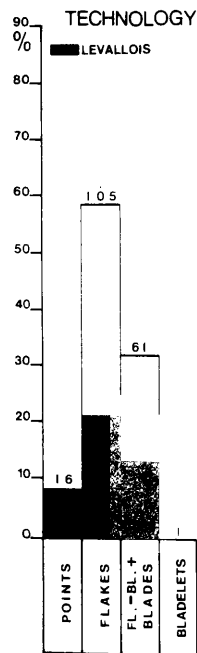


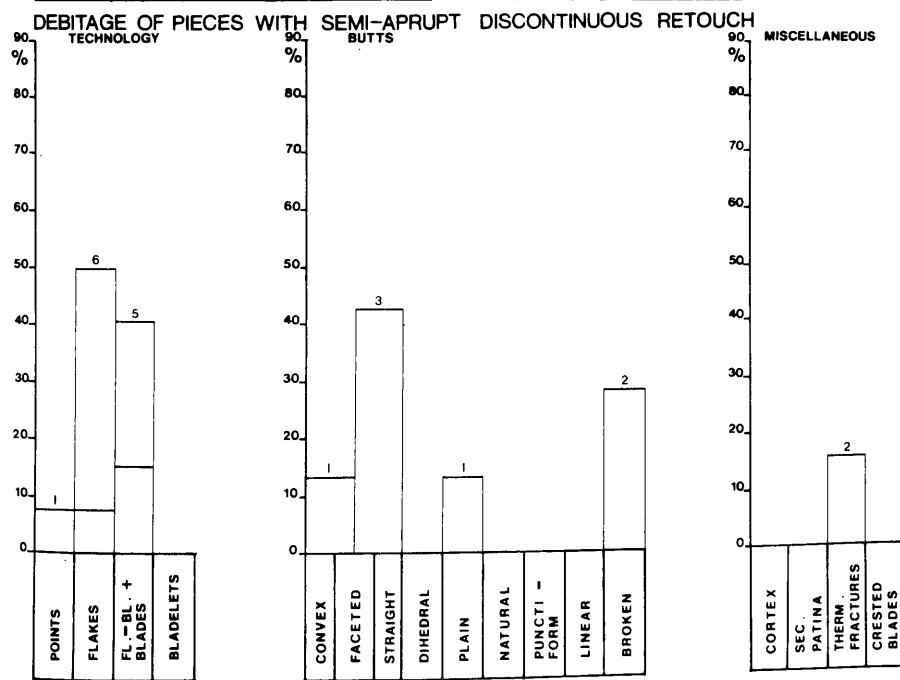
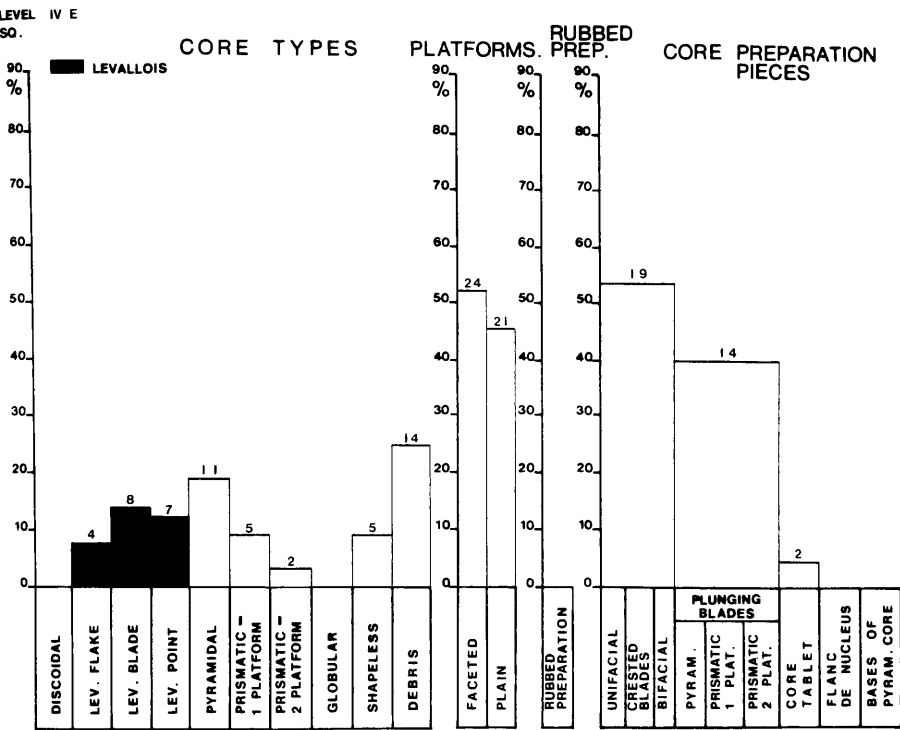
BLANKS

LEVEL IV E
SQ.



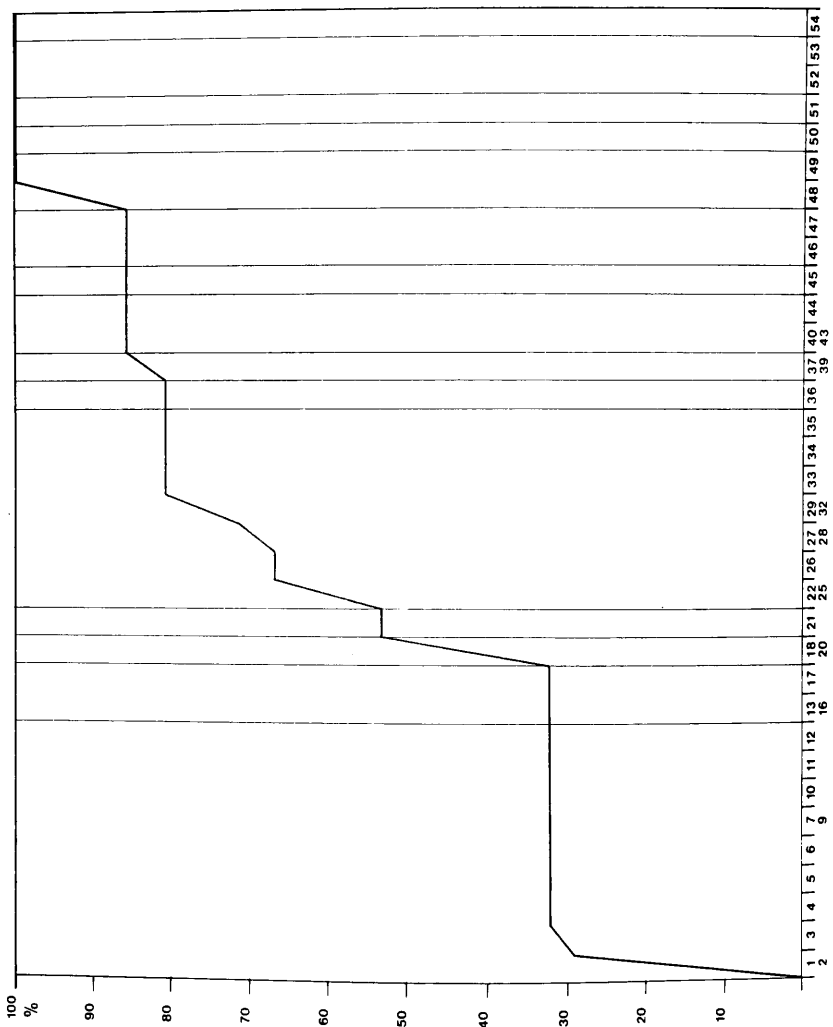
DEBITAGE OF TOOLS





TOOL TYPES

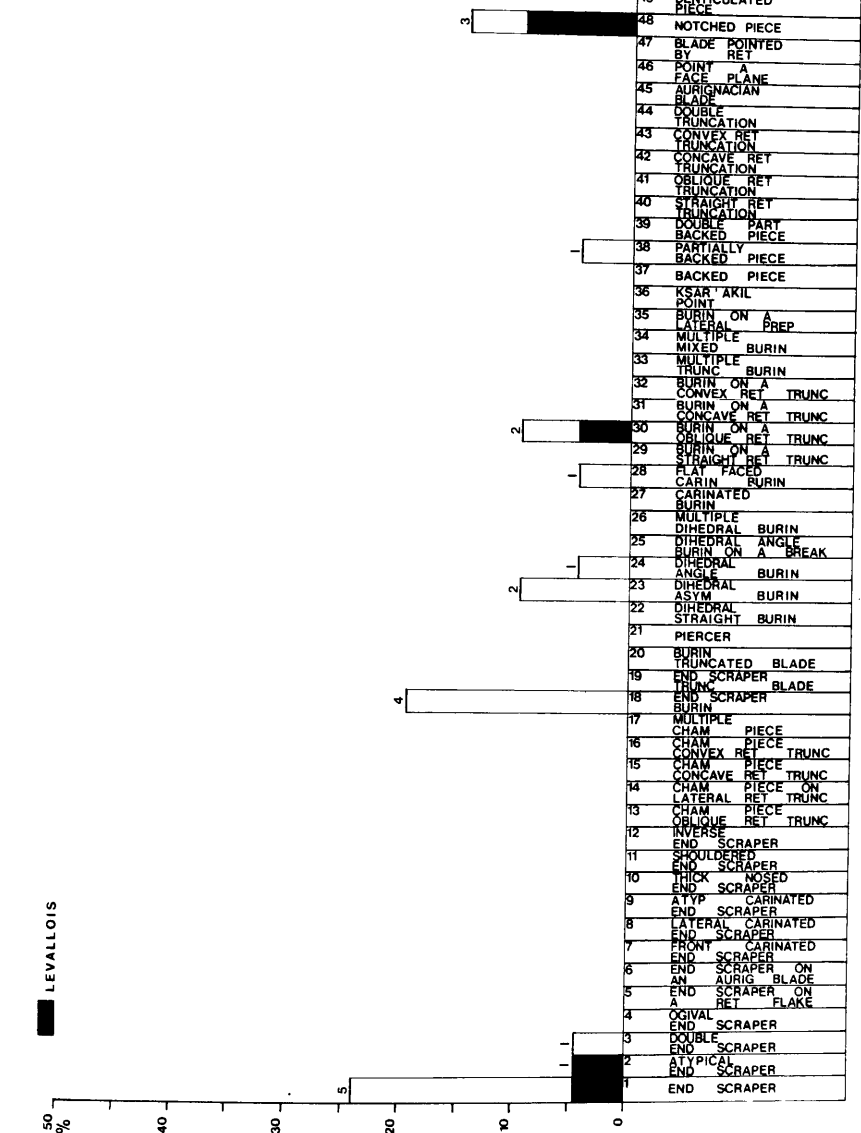
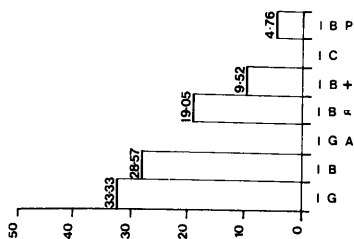
LEVEL IV D



1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	ATYPICAL END SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OVAL END SCRAPER	31	BURIN ON A CONCAVE RET TRUNC
5	END SCRAPER ON A RET FLAKE	32	MIXED BURIN
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE TRUNC BURIN
7	FRONT CARINAT END SCRAPER	34	MULTIPLE MIXED BURIN
8	LAT CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	TYPIICAL SCRAPER	36	POINT ANIL
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM PIECE ON OBLIQUE RET TRUNC	40	STRAIGHT BURIN
14	CHAM PIECE ON LATERAL PREP	41	BURIN ON A RET TRUNC
15	CHAM PIECE CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE CHAM PIECE	44	DOUBLE TRUNCATION
18	END SCRAPER BURIN	45	IGNACIAN BURIN
19	END SCRAPER TRUNC BLADE	46	POINT A FACE PLANE
20	BURIN TRUNC BLADE	47	BLADE POINTED BY RET PIECE
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL STRAIGHT PIECE	49	DENTICULATED PIECE
23	DIHEDRAL ASYM	50	ENTERED PIECE
24	DIHEDRAL BURIN ANGLE	51	SIDE SCRAPER
25	DIHEDRAL BURIN ON A BREAK	52	TRUNCATED BLADELET
26	MULTIPLE DIHEDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

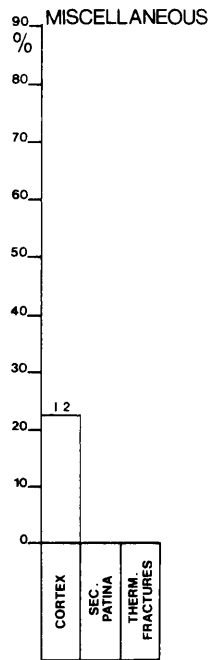
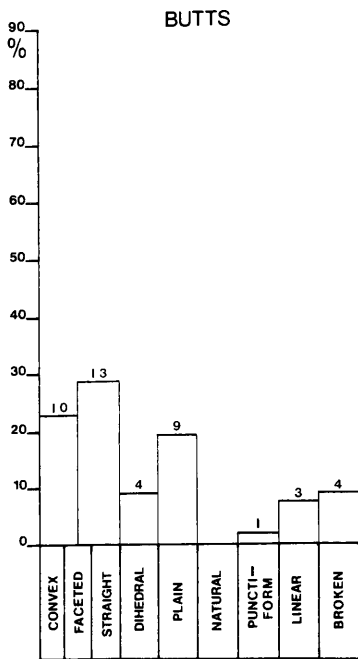
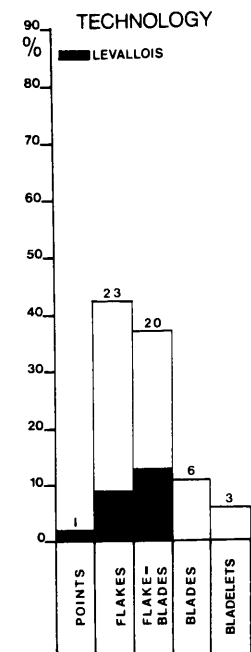
TOOL TYPES

LEVEL IV D
SO.

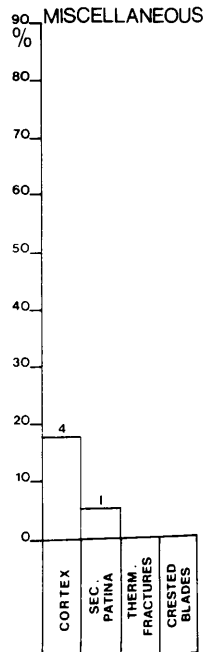
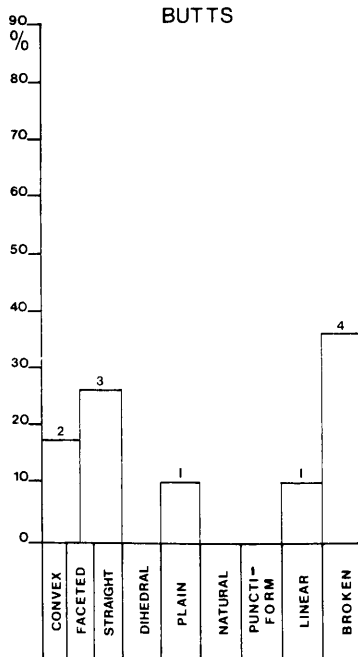
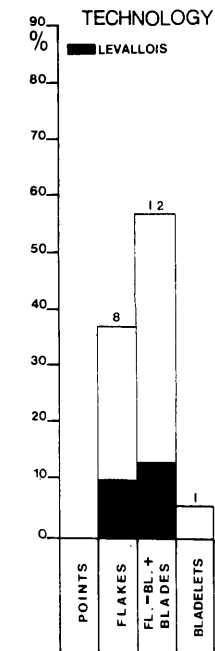


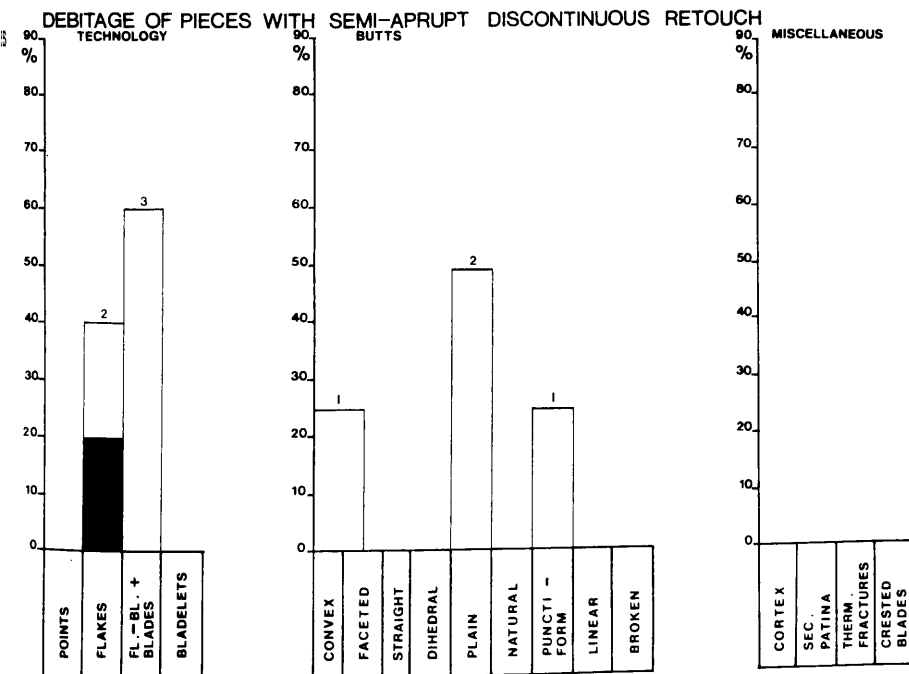
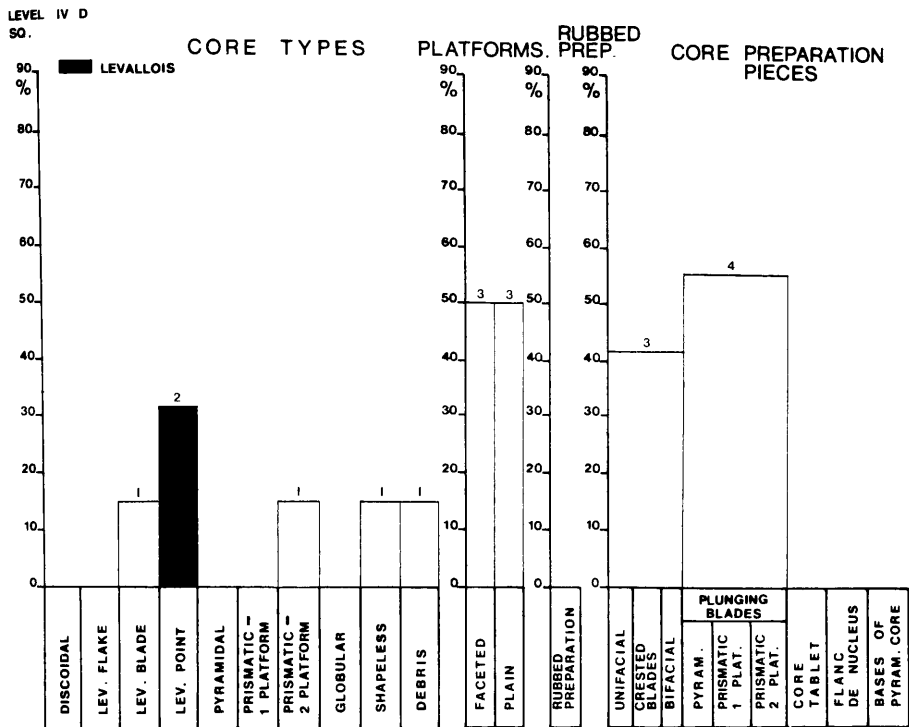
BLANKS

LEVEL IV D
SQ.



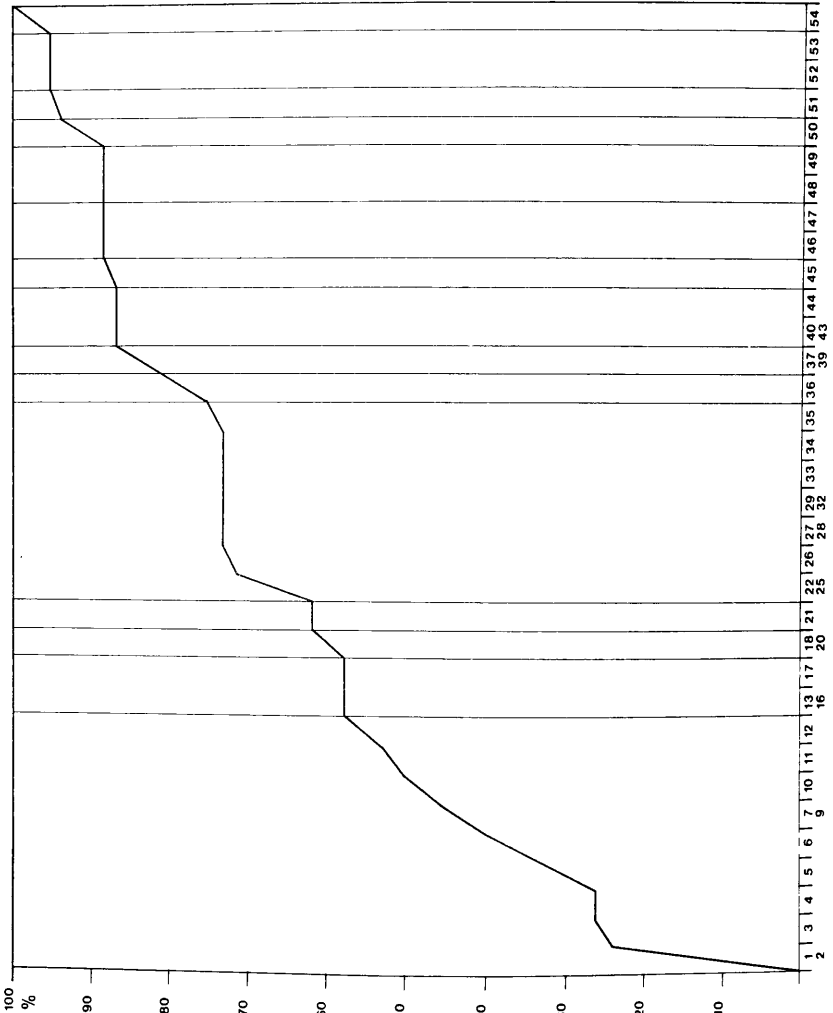
DEBITAGE OF TOOLS





LEVEL IV C

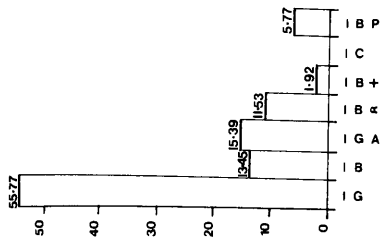
TOOL TYPES



1	END SCRAPER	28	FLAT FACED CARIN BURIN
2	TYPICAL END SCRAPER	29	BURIN ON A STRAIGHT RET TRUNC
3	DOUBLE END SCRAPER	30	BURIN ON AN OBLIQUE RET TRUNC
4	OGIVAL END SCRAPER	31	BURIN ON A TRUNC
5	END SCRAPER ON A RET FLAKE	32	BURIN ON A CONVEX RET TRUNC
6	END SCRAPER ON AN AURIG BLADE	33	MULTIPLE BURIN
7	FRONT CARINAT END SCRAPER	34	MULTIPLE MIXED BURIN
8	FLAT CARINAT END SCRAPER	35	BURIN ON A LATERAL PREP
9	TYPICAL END SCRAPER	36	THICK POINT SKILL
10	THICK NOSED END SCRAPER	37	BACKED PIECE
11	SHOULDERED END SCRAPER	38	PARTIALLY BACKED PIECE
12	INVERSE END SCRAPER	39	DOUBLE PART BACKED PIECE
13	CHAM FLECTED BURIN ON LATERAL PREP	40	STRAIGHT RET TRUNC
14	CHAM PIECE ON LATERAL PREP	41	RELIQUE RET TRUNC
15	CHAM PIECE CONCAVE RET TRUNC	42	CONCAVE RET TRUNC
16	CHAM PIECE CONVEX RET TRUNC	43	CONVEX RET TRUNC
17	MULTIPLE CHAM BURIN SCRAPER	44	DOUBLE TRUNCATION
18	END SCRAPER BURIN	45	AURIGNACIAN BURIN
19	END SCRAPER TRUNC BLADE	46	POINT A FACE PLANE
20	BURIN BLADE TRUNC BLADE	47	BLADE POINTED BY RET
21	PIERCER	48	NOTCHED PIECE
22	DIHEDRAL STRAIGHT BURIN	49	DENTICULATED PIECE
23	DIHEDRAL ASYM BURIN	50	INTERED PIECE
24	DIHEDRAL ANGLE BURIN	51	SIDE SCRAPER
25	DIHEDRAL BURIN ON A BREAK	52	TRUNCATED BLADELET
26	MULTIPLE DIHEDRAL BURIN	53	BLADELET WITH INVERS RET
27	CARINATED BURIN	54	DIVERS

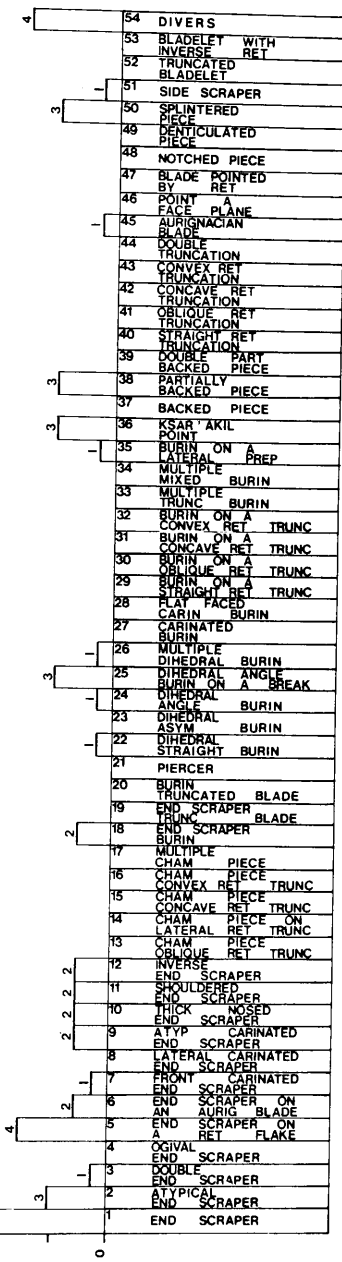
TOOL TYPES

LEVEL IV C
50.0%



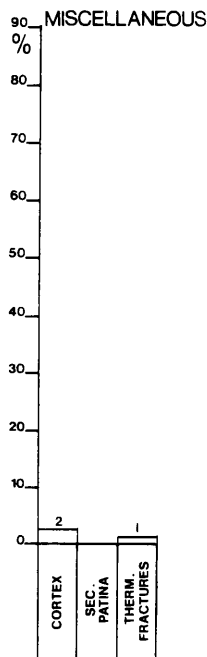
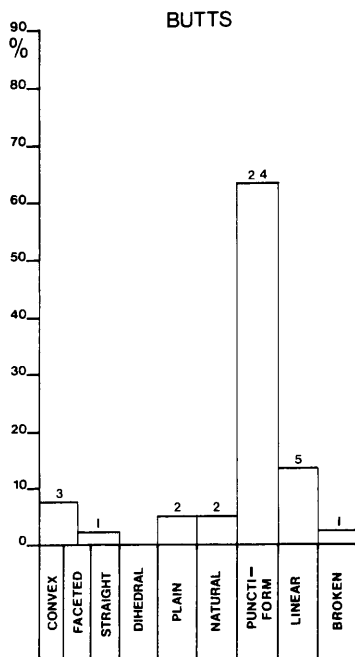
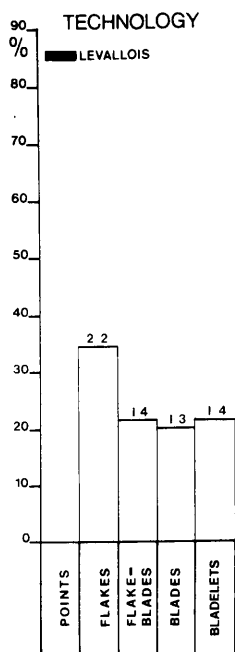
LEVALLOIS

50%

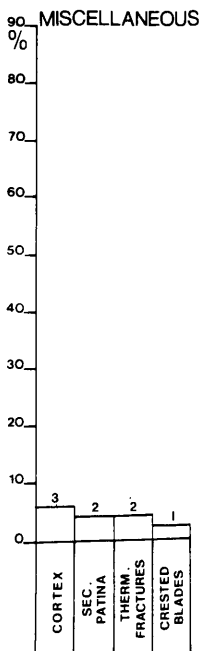
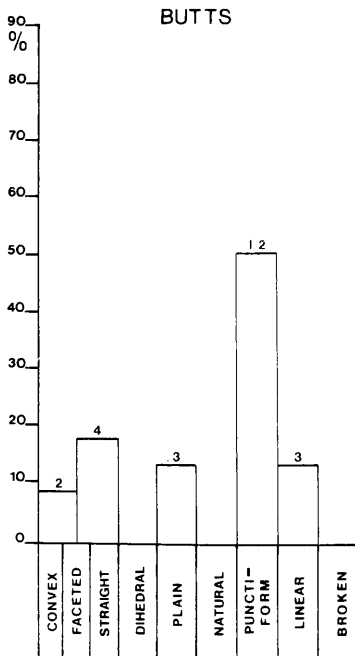
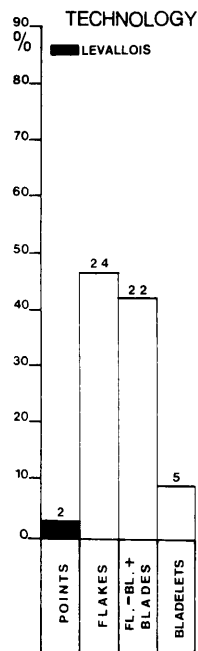


LEVEL IV C
SQ.

BLANKS

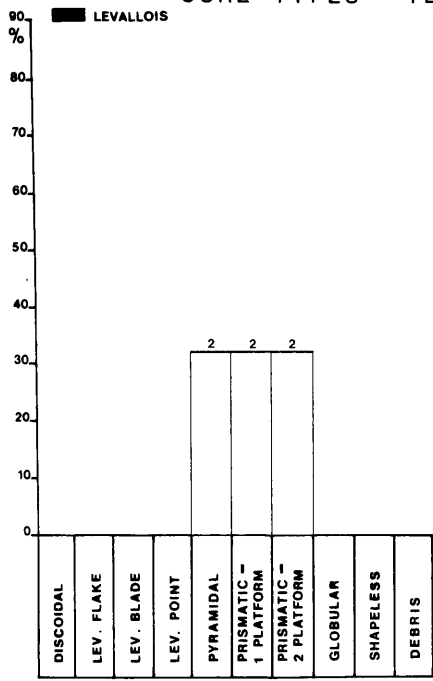


DEBITAGE OF TOOLS

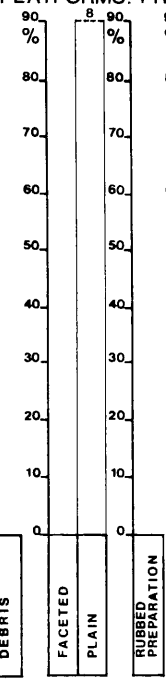


LEVEL IV C
SQ.

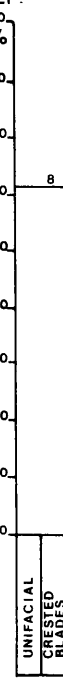
CORE TYPES



PLATFORMS.

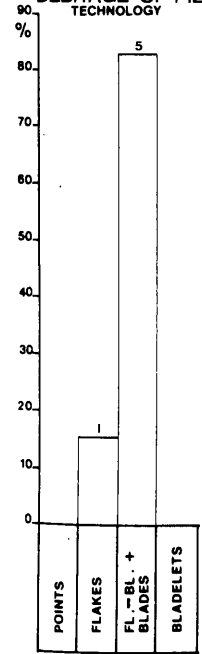


RUBBED PREP.

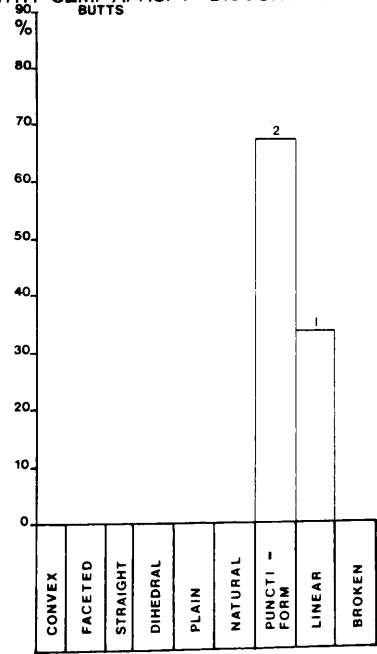


CORE PREPARATION PIECES

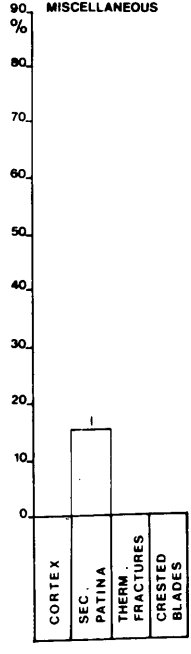
DEBITAGE OF PIECES WITH TECHNOLOGY



SEMI-APRUPPT BUTTS



DISCONTINUOUS RETOUCH



(a) Edge Contours of End-Scrapers.

Level	Total	Concave	Straight	Oblique	Blunt- Pointed	Rounded	With a Notch	Denticu- lated
XXV	5				2	3		
XXIV	3		1	1		1		
XXIII	24		3	1	1	17	2	
XXII	255	1	20	7	40	182	3	2
XXI	86		3	3	7	67	4	2
XX	268		16	18	38	194	1	1
XIX	197	1	9	5	21	151	7	3
XVIII	78		2	9	19	46	1	1
XVII	301	1	27	12	36	221	4	
XVI	69		2	1	7	58	1	
XV	6					6		
XIV	2					2		
XIII	6		1		1	4		
XII	36		1	5	5	24		1
Total	1336	3	85	62	177	976	23	10

(b) Thickness of nosed and shouldered end-scrapers

Level	Total	Nosed		Shouldered	
		thin	thick	thin	thick
XXV	1			1	
XXIV	3	1		2	
XXIII	9	4		5	
XXII	63	15	4	34	10
XXI	19	5	3	10	1
XX	48	7	3	35	3
XIX	20	1	3	13	3
XVIII	5	1		4	
XVII	20	2	4	11	3
XVI	5		3	2	
XII	10	2	5	2	1
Total	203	38	25	119	21

Ksar Akil, Level XII

Frontal carinated end-scrapers and lateral end-scrapers

Flake l, w, th (cm)	No. of scraper facets	Width of scraper facet pl. (cm)	Length of scraper facets (cm)	Stop notch	Tool type	Composite tool
3.6, 2.6, 1.3	5	1.3	3.0	-	F.c.e.-scrap.	
3.3, 2.6, 1.2	mult.	1.5	2.8	-	F.c.e.-scrap.	
3.6, 2.4, 1.6	5	1.3	2.9	-	L.c.e.-scrap.	
6.6, 3.5, 1.7	4	1.7	6.2	-	L.c.e.-scrap.	
5.6, 3.1, 1.7	3	1.3	2.3	-	L.c.e.-scrap.	
5.4, 4.0, 1.3	10	1.8	2.7	-	L.c.e.-scrap.	end-scraper
Blade						
5.4, 2.0, 1.7	mult.	1.3	3.8	-	F.c.e.-scrap.	F.c.e.-scrap.
4.9, 1.7, 4.9	mult.	.2	4.7	-	F.c.e.-scrap.	Concave ret. truncation
Fragment						
2.6, 2.2, 1.4	4	1.4	3.3	-	F.c.e.-scrap.	
3.0, 2.6, 1.7	mult.	2.2	2.2	-	F.c.e.-scrap.	
1.4, 1.5, 2.2	mult.	1.4	2.1	-	F.c.e.-scrap.	
3.1, 2.6, 1.1	mult.	1.3	1.8	-	F.c.e.-scrap.	
5.0, 3.0, 1.5	mult.	1.5	4.0	-	F.c.e.-scrap.	
3.8, 2.0, 1.6	mult.	2.0	3.3	-	F.c.e.-scrap.	
4.8, 2.1, 1.6	mult.	2.0	5.0	-	F.c.e.-scrap.	
5.0, 1.9, 2.1	mult.	1.6	2.7	1	F.c.e.-scrap.	
3.0, 1.4, 3.3	mult.	1.3	2.5	-	F.c.e.-scrap.	
4.6, 1.5, 1.0	mult.	1.5	2.8	-	F.c.e.-scrap.	
5.3, 3.7, 1.9	mult.	2.0	5.5	-	F.c.e.-scrap.	

Frontal carinated end-scrapers and lateral carinated end-scrapers.

Fragment l, w, th (cm)	No. of scraper facets	Width of scraper facet pl. (cm)	Length of scraper facets (cm)	Stop notch	Tool type	Composite tool
3.8, 3.2, 2.4	5	1.7	2.2	-	F.c.e.-scrap.	
4.5, 3.3, 1.4	4	1.1	4.3	-	F.c.e.-scrap.	
3.2, 2.0, 2.5	mult.	1.1	1.8	-	L.c.e.-scrap.	
5.4, 1.8, 2.6	mult.	1.8	5.0	-	L.c.e.-scrap.	
5.1, 2.3, 1.7	4	1.3	4.4	-	L.c.e.-scrap.	
6.5, 3.7, 2.0	mult.	2.7	6.0	-	L.c.e.-scrap.	
3.3, 2.0, 1.4	7	1.0	2.8	-	L.c.e.-scrap.	
5.0, 4.8, 1.8	mult.	1.6	5.7	-	L.c.e.-scrap.	
4.3, 3.1, 2.6	mult.	1.7	4.1	-	L.c.e.-scrap.	
3.1, 1.4, 3.1	2	1.4	3.3	-	L.c.e.-scrap.	
3.6, 2.5, 1.2	mult.	1.3	2.5	-	L.c.e.-scrap.	
6.3, 2.3, 1.8	mult.	1.6	4.1	1	L.c.e.-scrap.	
5.3, 2.2, 2.3	mult.	1.7	5.1	-	L.c.e.-scrap.	
5.6, 2.1, 3.1	mult.	1.6	4.2	-	L.c.e.-scrap.	
5.6, 2.1, 3.1	mult.	1.6	4.2	-	L.c.e.-scrap.	
2.7, 1.7, 4.5	mult.	1.3	4.0	-	L.c.e.-scrap.	
4.6, 1.9, 3.9	mult.	1.8	3.9	-	L.c.e.-scrap.	
3.7, 1.6, 1.8	mult.	1.6	2.5	-	L.c.e.-scrap.	
4.6, 1.7, 1.4	mult.	1.8	4.0	-	L.c.e.-scrap.	
4.5, 2.7, 1.7	mult.	1.3	5.1	-	L.c.e.-scrap.	
3.2, 2.6, 1.5	mult.	1.2	3.5	-	L.c.e.-scrap.	
3.6, 2.1, 2.3	mult.	2.0	3.3	-	L.c.e.-scrap.	
2.7, 1.4, 1.2	mult.	1.3	1.9	1	L.c.e.-scrap.	
4.7, 1.8, 1.4	mult.	1.2	2.5	-	L.c.e.-scrap.	
2.7, 2.1, 1.6	5	1.4	2.5	-	L.c.e.-scrap.	
5.8, 1.9, 2.0	5	1.8	3.5	-	L.c.e.-scrap.	

Frontal carinated end-scrapers and lateral carinated end-scrapers.

Fragment l, w, th (cm)	No. of scraper facets	Width of scraper facet pl. (cm)	Length of scraper facets (cm)	Stop Notch	Tool type	Composite tool
4.1, 1.7, 1.3	4	1.3	3.3	-	L.c.e.-scrap.	D. angle burin
2.3, 1.8, 1.8	mult.	1.5	2.2	-	F.c.e.-scrap.	on a break
5.7, 2.7, 1.5	mult.	1.5	4.6	-	F.c.e.-scrap.	D. angle burin on a break
3.4, 2.9, 1.5	mult.	2.3	2.8	-	F.c.e.-scrap.	F.-f.c. burin
2.7, 2.5, 1.0	mult.	2.3	2.3	-	F.c.e.-scrap.	Car. burin
4.0, 2.3, 1.6	mult.	1.6	2.1	-	F.c.e.-scrap.	F.c.e.-scrap.
2.6, 2.0, 1.2	mult.	1.6	1.1	-	F.c.e.-scrap.	L.c.e.-scrap.
4.3, 1.6, 3.6	mult.	1.6	3.7	-	L.c.e.-scrap.	D. str. burin
4.0, 2.2, 1.7	mult.	1.8	2.5	-	L.c.e.-scrap.	D. asym. burin
4.6, 1.4, 1.4	mult.	1.6	2.3	-	L.c.e.-scrap.	Car. burin
4.8, 2.7, 2.0	4	2.0	4.2	-	L.c.e.-scrap.	F.-f.c. burin
2.6, 2.0, 1.2	mult.	1.4	2.0	-	L.c.e.-scrap.	F.c.e.-scrap.
6.1, 1.8, 3.0	mult.	1.7	5.8	-	L.c.e.-scrap.	Straight ret. truncation

pl. = platform

Inverse end-scrapers.

l.	Flake w. th (cm)	No. of scraper facets (cm)	Width of scraper facet pl. (cm)	Length of scraper facets	Stop notch	Tool type	Composite tool
4.3,	2.6, 1.0	5	1.6	1.9	-	1. end-scraper	
4.3,	3.1, 0.9	mult.	1.6	1.8	-	1. end-scraper	
2.9,	1.9, 0.7	4	0.8	1.4	-	1. end-scraper	
3.0,	2.1, 0.7	mult.	1.2	1.5	-	1. end-scraper	
4.5,	3.3, 1.5	mult.	2.4	1.6	1	1. end-scraper	
3.0,	2.0, 0.8	mult.	1.4	2.3	-	1. end-scraper	
4.1,	2.7, 0.8	mult.	1.4	1.5	-	1. end-scraper	
Blade							
4.1,	1.9, 0.9	9	1.5	1.3	-	1. end-scraper	
5.1,	1.6, 1.1	7	1.5	1.4	-	1. end-scraper	
Fragment							
3.1,	2.0, 1.0	5	1.4	1.6	-	1. end-scraper	
3.0,	3.8, 1.3	3	1.6	1.5	-	1. end-scraper	
2.8,	3.0, 1.4	mult	1.5	2.0	-	1. end-scraper	
3.3,	3.0, 1.1	mult	2.0	1.5	-	1. end-scraper	
3.9,	2.3, 1.1	mult	2.0	2.5	-	1. end-scraper	F.-f.c. burin
3.1,	2.4, 1.1	mult	1.9	2.7	-	1. end-scraper	Car. burin

Chamfered pieces

Level	Total	On a str. trun.	On an obl. trun.	On a conc. trun.	On a conv. trun.	On a lat. prep. edge	On a nat. edge	Multi	End-scr.	Burin	Trunc.	Double or re-sharp.	Divers
XXV	30	1	8	7	2	8	1	1				1	1
XXIV E4	60		18	10		19	6	1	1	1		3	1
XXIII E4	296	3	97	39	16	97	6	5	2	5	2	20	4
XXIII F4	12		4			3	2	1				1	1
XXII E4	43	1	22	1	1	9		2		1		3	3
XXII F4	257	2	98	39	16	50	5	14	1	8	1	22	1
XXI F4	2		2										
XX E4	2												2
XX F4	6			1		2	2	1					
XIX F4	1						1						
XVII E4	1		1										
XVII F3	2			1			1						
Total	712	7	250	98	35	188	24	25	4	15	3	50	13
%	100	0.98	35.16	13.78	4.92	26.44	3.38	3.52	0.56	2.11	0.42	6.89	1.83

Chamfered pieces and burins

Type		Level	No.
1. Champ. p. on an oblique ret. truncation	2. Burin on an oblique ret. truncation	XXII	1
1. "	2. Burin on a convex ret. truncation	XXII	1
1. "	2. Burin on a lateral preparation	XXII	1
1. Cham. p. on lateral prep.	2. D. straight burin	XXII	1
1. "	2. D. angle burin	XXIII XXII	2 1
1. "	2. Burin on a convex ret. truncation	XXIV XXII	1 1
1. "	2. Burin on a lateral prep.	XXIII	2
1. Cham. p. on a concave ret. truncation	2. D. asym. burin	XXIII	1
1. "	2. Burin on an oblique ret. truncation	XXII	1
1. "	2. Burin on a concave ret. truncation	XXII	1
1. "	2. Burin on a convex ret. truncation	XXII	1

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(a) Circular Scraper

Level	Total
XXII	3
XXI	2
XX	1
Total	6

(b) Burin on a natural surface

Level	Total	Dih.st. burin	Dih.asy. burin	Dih.ang. burin
XXIII	2		2	
XXII	10	5	3	2
XXI	5	2	2	1
XX	7		4	3
XV	1			1
XII	17	6	8	3
Total	42	13	19	10

(c) Distribution of points

Level	Total	Divers. (Moust. point)	Blade pt. by re'tch.	Pointe à face plane	Ksar Ak. point
XXIV	1		1		
XXIII	5	4	1		
XXII	26	11	15		
XXI	14		13	1	
XX	22		20	2	
XIX	27		24	3	
XVIII	15		11	4	
XVII	297		248	49	
XVI	60		56	4	
XV	3		3		
XIV	1		1		1
XIII	4		3		22
XII	29		7		
Total	504	15	403	63	23

Carinated burins and flat-faced carinated burins

Flake l, w, th (cm)	No. of scraper facets	Width of scraper facet pl. (cm)	Length of scraper facets (cm)	Stop notch	Tool type	Composite tool
3.9, 2.9, 1.5	mult.	1.2	3.3	-	Car. burin	
3.2, 2.0, 0.6	3	0.5	2.5	-	Car. burin	
2.9, 3.2, 1.4	mult.	1.1	3.4	-	F.-f.c. burin	
3.5, 1.9, 0.7	mult.	0.4	3.4	-	F.-f.c. burin	
Blade						
5.2, 1.7, 0.7	5	0.5	3.1	1	Car. burin	
4.1, 1.9, 0.9	mult.	0.8	3.2	-	F.-f.c. burin	
6.9, 2.4, 1.6	mult.	1.0	2.2	-	F.-f.c. burin	
5.1, 1.9, 0.7	mult.	0.8	3.8	-	F.-f.c. burin	D.asym. burin
4.6, 2.1, 0.8	mult.	1.0	3.6	1	F.-f.c. burin	Burin on a concave ret. truncation
Fragment						
3.9, 1.5, 1.8	mult.	0.9	3.0	-	Car. burin	
3.9, 5.1, 2.0	mult.	1.1	3.9	-	Car. burin	
4.2, 2.1, 1.6	mult.	0.9	3.0	-	Car. burin	Atyp. carinat. end-scraper
3.7, 2.0, 1.1	mult.	1.1	1.5	1	F.-f.c. burin	D. angle burin

Carinated burins and flat-faced carinated burins

Flake l, w, th (cm)	No. of scraper facets	Width of scraper facet pl. (cm)	Length of scraper facets (cm)	Stop notch	Tool type	Composite tool
3.4, 2.9, 1.3	mult.	1.3	3.8	-	Car. burin	
2.6, 1.7, 1.5	mult.	1.0	2.0	-	Car. burin	
4.2, 2.4, 1.2	4	1.0	4.2	-	Car. burin	
4.1, 2.4, 1.0	mult.	1.0	3.5	-	Car. burin	
2.9, 2.0, 0.8	mult.	0.6	2.5	-	Car. burin	
2.9, 1.7, 0.6	mult.	0.6	1.8	-	Car. burin	
4.8, 2.4, 1.2	4	0.9	2.1	-	Car. burin	
3.5, 2.3, 1.3	mult.	0.6	2.5	-	F.-f.c. burin	
2.8, 1.8, 1.1	mult.	1.0	2.8	-	F.-f.c. burin	
2.1, 1.7, 1.4	5	0.8	2.1	-	F.-f.c. burin	
5.8, 3.0, 0.9	4	0.8	2.5	-	F.-f.c. burin	
4.1, 2.6, 1.6	mult.	0.8	3.7	-	F.-f.c. burin	
3.4, 2.0, 0.8	mult.	0.5	3.3	-	F.-f.c. burin	
3.4, 1.8, 0.9	mult.	0.9	2.8	-	F.-f.c. burin	
4.0, 2.3, 1.5	mult.	1.0	2.3	-	F.-f.c. burin	
3.1, 1.8, 0.9	4	0.8	2.6	-	F.-f.c. burin	
3.5, 2.4, 1.3	3	0.8	2.3	-	F.-f.c. burin	
3.1, 2.0, 0.7	4	0.3	2.3	-	F.-f.c. burin	
3.5, 2.3, 0.9	mult.	0.8	2.8	-	F.-f.c. burin	
5.3, 3.2, 0.9	4	1.2	2.8	-	F.-f.c. burin	
3.9, 2.7, 1.4	5	0.8	2.5	-	F.-f.c. burin	
3.5, 1.9, 1.1	4	1.0	2.5	-	F.-f.c. burin	
3.5, 2.3, 0.6	4	0.5	3.0	-	F.-f.c. burin	
3.1, 1.6, 0.4	3	0.7	2.4	-	F.-f.c. burin	
4.3, 2.1, 1.2	4	0.7	2.8	-	F.-f.c. burin	
4.9, 2.7, 1.2	5	0.9	3.8	-	F.-f.c. burin	

Carinated burins and flat-faced carinated burins.

Flake l, w, th (cm)	No. of scraper facets	Width of scraper facet pl. (cm)	Length of scraper facets (cm)	Stop notch	Tool type	Composite tool
2.2, 1.2, 0.7	2	0.7	2.4	-	F.-f.c. burin	D. str. burin
2.8, 2.3, 1.4	mult.	0.6	2.6	-	F.-f.c. burin	D. angle burin
3.2, 1.5, 0.8	4	0.6	2.4	1	F.-f.c. burin	Bur. on a str. ret.truncation
Blade						
3.6, 1.9, 1.2	3	1.2	2.0	1	Car. burin	
5.2, 1.6, 0.6	3	0.6	1.2	-	Car. burin	
4.2, 1.8, 1.3	mult.	1.1	2.9	-	Car. burin	
3.7, 1.5, 0.9	6	1.0	1.4	-	Car. burin	
2.9, 1.3, 0.9	5	1.0	3.0	-	Car. burin	
4.1, 1.8, 1.0	3	0.8	2.7	-	Car. burin	
5.7, 2.1, 0.9	mult.	0.9	3.3	1	Car. burin	
4.9, 1.9, 1.2	mult.	1.0	4.0	-	F.-f.c. burin	
3.7, 1.1, 0.8	5	0.5	3.0	-	F.-f.c. burin	
5.1, 1.6, 0.8	4	0.6	2.7	-	F.-f.c. burin	
4.9, 2.3, 1.1	mult.	0.8	4.2	1	F.-f.c. burin	
4.5, 2.0, 0.8	5	1.2	2.8	-	F.-f.c. burin	
4.6, 2.1, 1.2	mult.	1.0	3.7	-	F.-f.c. burin	
6.0, 1.9, 1.5	mult.	0.7	3.2	-	F.-f.c. burin	
4.4, 1.9, 1.0	mult.	0.9	2.5	1	F.-f.c. burin	
5.9, 2.3, 1.4	5	0.7	4.1	-	F.-f.c. burin	
4.3, 1.8, 1.1	4	0.7	3.8	-	F.-f.c. burin	
4.2, 1.8, 1.3	mult.	1.2	2.4	-	Car. burin	D.str.burin
4.2, 1.9, 0.9	2	1.3	3.3	-	Car. burin	D. asym. burin

Carinated burins and flat-faced carinated burins.

Blade l, w, th (cm)	No. of scraper facets	Width of scraper facet pl. (cm)	Length of scraper facets (cm)	Stop notch	Tool type	Composite tool
5.4, 1.9, 1.1	mult.	0.8	1.2	-	Car. burin	D. asym. burin
4.0, 1.6, 0.9	3	1.0	2.3	-	Car. burin	F.-f.c. burin
5.3, 2.4, 1.0	6	1.2	1.6	-	F.-f.c. burin	D. str. burin
4.2, 1.5, 1.0	3	0.5	2.5	-	F.-f.c. burin	Burin on a convex ret. truncation
Fragment						
2.3, 1.6, 0.7	mult.	0.7	1.2	-	Car. burin	
3.2, 1.8, 1.3	mult.	0.8	2.4	-	Car. burin	
2.1, 1.3, 2.3	2	1.2	2.4	-	Car. burin	
3.3, 2.3, 1.2	mult.	0.7	2.6	-	Car. burin	
3.2, 2.0, 1.0	3	0.9	3.0	-	Car. burin	
3.5, 2.4, 0.8	5	0.6	2.1	-	Car. burin	
4.0, 1.7, 0.9	5	1.2	1.8	-	Car. burin	
4.8, 2.0, 1.1	5	0.8	3.5	-	Car. burin	
4.3, 1.7, 1.1	4	1.0	3.5	-	Car. burin	
3.5, 1.2, 1.1	mult.	0.9	2.0	-	Car. burin	
3.6, 2.4, 1.2	mult.	1.2	3.6	-	F.-f.c. burin	
4.3, 2.3, 1.5	mult.	1.0	3.4	-	F.-f.c. burin	
3.9, 1.8, 1.1	mult.	0.8	2.6	-	F.-f.c. burin	
2.6, 1.2, 2.6	mult.	0.9	3.2	-	F.-f.c. burin	
2.9, 1.5, 1.0	mult.	1.2	3.0	-	F.-f.c. burin	
3.9, 1.7, 1.0	mult.	1.1	2.3	-	F.-f.c. burin	
2.8, 1.3, 0.8	mult.	0.5	3.4	-	F.-f.c. burin	

Carinated burins and flat-faced carinated burins

Fragment l, w, th (cm)	No. of scraper facets	Width of scraper facet pl. (cm)	Length of scraper facets (cm)	Stop notch	Tool type	Composite tool
2.5, 1.3, 2.1	mult.	1.0	2.1	-	F.-f.c. burin	D. straight burin
4.3, 1.5, 0.6	3	0.6	2.6	-	Car. burin	
4.0, 1.6, 1.4	mult.	1.0	1.1	-	Car. burin	F.-f.c. burin F.-f.c. burin Burin on an oblique ret.
2.3, 1.2, 1.9	mult.	1.2	1.4	-	Car. burin	
4.2, 2.6, 1.2	mult.	1.2	2.4	-	Car. burin	
2.7, 2.5, 1.0	4	0.9	1.5	-	Car. burin	truncation Frontal car.
4.6, 1.4, 1.4	mult.	0.9	1.0	1	Car. burin	end-scraper Lateral car.
3.0, 2.3, 0.6	7	0.6	2.9	-	Car. burin	end scraper Concave ret.
2.3, 1.2, 2.5	mult.	1.1	2.1	-	F.-f.c. burin	truncation
4.0, 1.6, 1.4	mult.	1.0	1.7	-	F.-f.c. burin	Car. burin
3.9, 1.7, 0.9	3	0.9	2.0	-	F.-f.c. burin	Car. burin
3.4, 2.9, 1.5	3	1.1	2.3	-	F.-f.c. burin	Car. burin
4.8, 2.7, 2.0	3	0.9	2.0	-	F.-f.c. burin	Frontal car. end-scraper
3.3, 2.2, 0.9	2	1.0	2.7	-	F.-f.c. burin	Lateral car. end-scraper
3.9, 2.3, 1.1	mult.	1.1	2.1	-	F.-f.c. burin	End-scraper
3.1, 2.4, 1.1	mult.	0.8	3.6	-	F.-f.c. burin	Inv. end-scr. Inv. end-scr.

pl.- platform

(a) Ksar Akil points*, level XII

Blade	Bladelet	Length (cm)	Width (cm)	Type of retouch	Partial ret. of edges	Total ret. of edges
	x	4.5	1.0	fine	x	
	x	2.4	0.7	"		x
	x	3.7	0.9	"	x	
	x	3.6	0.9	"	x	
	x	4.6	0.9	"	x	
x		5.3	1.1	"	x	
	x	3.8	1.2	"		x

(b) Ksar Akil points*, level XI

	x	2.7	1.0	fine	x	
	x	2.9	0.8	"	x	
	x	2.6	0.8	"	x	
	x	3.1	0.8	"	x	
	x	2.6	0.9	"		x
	x	3.5	0.9	"		x
	x	3.7	0.8	"	x	
	x	3.1	0.8	"	x	
	x	3.3	0.9	"		x
	x	3.5	0.9	"	x	
x		4.2	1.1	"		x
	x	2.9	1.0	"		x
	x	3.0	0.7	"	x	
	x	2.6	0.7	"	x	
	x	3.1	0.7	"		x
	x	3.8	1.0	"	x	
	x	3.1	0.6	"	x	
	x	3.0	0.8	semi- abrupt		x
	x	2.8	0.9	"		x
	x	2.7	0.7	fine	x	
	x	2.8	0.9	"	x	

* excluding fragments

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(c) Ksar Akil points*, level X.

Blade	Bladelet	Length (cm)	Width (cm)	Type of retouch	Partial ret. of edges	Total ret. of edges	Inverse ret. at the bulb
X		5.0	1.1	fine	x		
	x	3.1	0.8	"		x	
	x	4.6	0.7	"		x	
		3.7	1.1	"		x	
x	x	4.1	0.8	"	x		x
	x	3.8	0.7	"		x	
	x	3.9	0.7	"		x	
	x	4.2	0.7	"		x	
	x	3.7	0.6	"	x		x
	x	3.9	0.6	"		x	
	x	4.8	0.9	"		x	
	x	3.0	0.5	"		x	
	x	2.2	0.6	"		x	
	x	4.0	0.9	"	x		
	x	3.7	0.8	"		x	
	x	4.1	0.8	"	x		

* excluding fragments

Inventory of Levels XXV to XII

Level	Total	Tools	Ps.with semi-ab. dis. ret.	Blanks	Cores, debris, Chop. tools	Core prep. pieces	Burin spalls	Chamfer spalls	Pebbles	Hammer stones	Ochre
XXV	148	70	5	46	21	6					
XXIV	231	115	9	65	37	3				2	
XXIII	1515	549	17	756	151	29	2	8	2	1	
XXII	4570	1633	68	2606	170	71	5		13	3	1
XXI	1180	511	43	517	75	25			2	4	3
XX	2479	912	23	1213	192	117	2		13	6	1
XLX	1683	578	26	827	165	80			6	1	
XVIII	871	266	17	482	52	49			3	2	
XVII	13783	1541	56	10196	795	1158	6		21	8	2
XVI	1591	349	24	976	93	140	1		6	1	1
XV	304	51	12	214	19	7			1		
XIV	82	14	6	53	4	5					
XIII	548	130	10	320	36	36	16				
XII	4287	729	67	2877	258	299	55		2		
Total	33272	7448	383	21148	2068	2025	87	8	69	28	8

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Debitage of Tools

Level	Total	Point	Flake	Blade	Blade- let	Butts				Broken	Levall.			
						Facet. convex	Facet. str.	Dihed'l	Plain			Nat'l	Punct.	Lin'r
XXV	70		52	18		11	11	2	7	2	2	2	9	17
XXIV	115		71	44		21	25		6		6		16	32
XXIII	549	29	357	163		113	114	10	37	4	6	2	18	321
XXII	1633	92	1003	538		311	285	31	282	23	52	17	53	677
XXI	511	41	283	187		83	105	10	83	8	17	1	19	187
XX	912	86	466	359	1	157	166	21	133	7	64	8	40	343
XIX	578	23	279	275	1	37	72	7	122	5	69	5	15	81
XVIII	266	12	109	145		17	18	10	43	1	53	24	19	63
XVII	1541	8	368	1151	14	32	27	13	199	10	482	165	19	57
XVI	349		73	272	4	12	6	2	27	1	115	25	4	6
XV	51		24	26	1	7	5		8		11	1	2	3
XIV	14		4	10		1	1		2		1	2		
XIII	130		69	54	7	11	2	1	16		32	4		
XII	729		343	336	50	13	6	10	95	4	112	31		
Total	7448													

Debitage of pieces with semi-abrupt discontinuous retouch.

Level	Total	Point	Flake	Blade	Blade- let	Butts					Broken	Levall.	
						Facet. convex	Facet. strtt.	Dihed'l	Plain	Nat'l			Funct.
XXV	5		4	1		2	1					1	2
XXIV	9	2	4	3		1	4	1				1	3
XXIII	17	1	10	6		5	4		2			2	8
XXII	68	8	35	25		14	19	2	16	1	2	1	35
XXI	43	6	20	17		13	8	1	11			1	23
XX	23	1	12	9	1	6	5		3		3		9
XIX	26	3	10	12	1	2	9		3		6	1	7
XVIII	17	5	4	8		1	1	1	1		3	1	4
XVII	56		10	44	2	1	1	1	7	1	18	8	1
XVI	24		4	20		2	1	1	2		5	1	2
XV	12		5	7		2	2	3			3		1
XIV	6		2	4		1	1		2				
XIII	10		5	4	1	2			1		4	1	1
XII	67		12	46	9	1		1	6		28	3	
Total	383												

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Debitage of Blanks

Level	Total	Point	Flake	Blade	Blade- let	Butts					Broken	Levall.			
						Facet. convex	Facet. strtt.	Dihed'l	Plain	Nat'l			Punct.	Lin'r	
XXV	46	2	27	17		8	15	2	4		3		9	13	
XXIV	65	15	25	25		23	15	4	4		5		1	30	
XXIII	756	117	399	137	3	250	269	17	80	3	24	7	7	506	
XXII	2606	486	1214	900	6	713	810	111	591	7	76	34	66	1387	
XXI	517	79	207	230	1	135	125	33	153	3	33	5	10	399	
XX	1213	166	340	696	11	311	205	74	273	13	162	52	35	607	
XIX	827	57	300	443	27	114	85	38	210	6	207	51	17	296	
XVIII	482	23	118	313	28	27	22	12	74	8	158	73	27	83	
XVII	10196	91	5639	3733	733	146	80	242	1336	77	3097	1202	33	251	
XVI	976	10	279	651	36	74	38	32	142	6	469	85	4	40	
XV	214	29	119	64	2	66	27	11	49	1	23	5	4	186	
XIV	53	8	18	25	2	23	10	2	9		8	1	1	23	
XIII	320		121	140	59	11	4	4	53	5	130	21	3	1	
XII	2877		868	1842	167	53	5	41	502	22	1397	207	1	1	
Total						21148									

Core types

Level	Total	Discol- dal	Level. flake	Level. blade	Level. point	Pyra- midal	Prismatic 1 plat. 2 plat.	Globular	Shapeless	Debris
XXV	21	1	6	2	1	2	4		1	
XXIV	37	1	3	6	4	10	9		3	1
XXIII	151	2	6	19	20	29	17	1	11	25
XXII	170	5	5	16	38	23	34		23	11
XXI	75	2	5	10	15	17	9	1	7	
XX	192	3	1	28	38	33	25	8	11	16
XIX	165	3	1	24	10	25	21	6	15	33
XVIII	52			5	4	9	8		4	6
XVII	794	12	1	38	4	129	125	5	8	244
XVI	93	13	1	6		12	12	1	2	17
XV	19	7	2		1		3	1	1	2
XIV	4	2					2			
XIII	36	3				3	18	1		7
XII	258	4		2		12	67		6	123
Total	2067									

Inventory of Tools of Level XI.

Tool types	Number of tools	%
1.	138	9.89
2.	41	2.94
3.	8	0.57
4.	12	0.86
5.	17	1.22
6.	3	0.22
7.	76	5.45
8.	64	4.59
9.	38	2.73
10.	16	1.15
11.	3	0.22
12.	102	7.32
18.	41	2.94
19.	2	0.14
20.	9	0.65
21.	5	0.36
22.	30	2.15
23.	82	5.88
24.	25	1.79
25.	20	1.43
26.	32	2.29
27.	113	8.11
28.	58	4.16
29.	1	0.07
30.	23	1.65
31.	17	1.22
32.	14	1.00
33.	8	0.57
34.	25	1.79
36.	101	7.25
37.	10	0.72
38.	64	4.59
40.	8	0.57
41.	19	1.36
42.	6	0.43
43.	11	0.79
44.	2	0.14
45.	3	0.22
46.	1	0.07
47.	10	0.72
48.	53	3.80
49.	12	0.86
50.	5	0.36
51.	2	0.14
52.	13	0.93
53.	15	1.08
54.	36	2.58
Total	1394	100.00

(a) Width/length ratio for tools* and blanks*, level XXV, E4.

No. of tools and blanks	Width/length	%
2	0.15-0.24	2.74
6	0.25-0.34	8.22
12	0.35-0.44	16.44
17	0.45-0.54	23.28
8	0.55-0.64	10.96
9	0.65-0.74	12.33
11	0.75-0.84	15.07
2	0.85-0.94	2.74
4	0.95-1.04	5.48
2	1.15-1.24	2.74
Total 73	Means 0.59	100.00

(b) Width/length ratio for tools* and blanks*, level XXIV, E4.

1	0.15-0.24	1.00
14	0.25-0.34	14.00
22	0.35-0.44	22.00
23	0.45-0.54	23.00
18	0.55-0.64	18.00
7	0.65-0.74	7.00
9	0.75-0.84	9.00
2	0.85-0.94	2.00
2	0.95-1.04	2.00
1	1.25-1.34	1.00
1	1.35-1.44	1.00
Total 100	Means 0.54	100.00

(c) Width/length ratio for tools* and blanks*, level XXIII, E4.

12	0.15-0.24	2.75
67	0.25-0.34	15.33
86	0.35-0.44	19.68
105	0.45-0.54	24.03
73	0.55-0.64	16.70
43	0.65-0.74	9.84
27	0.75-0.84	6.18
14	0.85-0.94	3.20
3	0.94-1.04	0.69
3	1.05-1.14	0.69
1	1.15-1.24	0.23
1	1.35-1.44	0.23
2	1.45-1.54	0.46
Total 437	Means 0.53	100.00

(d) Width/length ratio for tools* and blanks*, level XXII, E4.

No. of tools and blanks	Width/length	%
1	0.05-0.14	0.19
26	0.15-0.24	4.98
98	0.25-0.34	18.77
167	0.35-0.44	31.99
97	0.45-0.54	18.58
69	0.55-0.64	13.22
26	0.65-0.74	4.98
19	0.75-0.84	3.64
8	0.85-0.94	1.53
7	0.95-1.04	1.34
3	1.05-1.14	0.57
1	1.25-1.34	0.19
Total 522	Means 0.46	100.00

(e) Width/length ratio for tools* and blanks*, level XXI, E4.

1	0.05-0.14	0.54
10	0.15-0.24	5.38
39	0.25-0.34	20.97
57	0.35-0.44	30.65
40	0.45-0.54	21.51
21	0.55-0.64	11.29
7	0.65-0.74	3.76
5	0.75-0.84	2.69
4	0.85-0.94	2.15
1	0.95-1.04	0.54
1	1.95-2.04	0.54
Total 186	Means 0.45	100.00

(f) Width/length ratio for tools* and blanks*, level XX, E4.

1	0.05-0.14	0.23
34	0.15-0.24	7.79
132	0.25-0.34	30.27
112	0.35-0.44	25.69
57	0.45-0.54	13.07
41	0.55-0.64	9.40
22	0.65-0.74	5.05
16	0.75-0.84	3.67
4	0.85-0.94	0.92
10	0.95-1.04	2.29
2	1.05-1.14	0.46
4	1.15-1.24	0.92
1	1.45-1.54	0.23
Total 436	Means 0.44	100.00

(g) Width/length ratio for tools* and blanks*, level XIX, E4.

No. of tools and blanks	Width/length	%
9	0.15-0.24	7.14
46	0.25-0.34	36.51
32	0.35-0.44	25.39
15	0.45-0.54	11.90
11	0.55-0.64	8.73
2	0.65-0.74	1.59
4	0.75-0.84	3.17
2	0.85-0.94	1.59
4	0.95-1.04	3.17
1	1.05-1.14	0.79
Totals 126	Means 0.42	100.00

(h) Width/length ratio for tools* and blanks*, level XVIII, E4.

2	0.05-0.14	0.46
54	0.15-0.24	12.53
128	0.25-0.34	29.69
104	0.35-0.44	24.13
57	0.45-0.54	13.23
35	0.55-0.64	8.12
24	0.65-0.74	5.57
9	0.75-0.84	2.09
3	0.85-0.94	0.69
9	0.95-1.04	2.09
2	1.05-1.14	0.46
1	1.15-1.24	0.23
3	1.25-1.34	0.69
Total 431	Means 0.41	100.00

(i) Width/length ratio for tools* and blanks*, level XVII, E4.

No. of tools and blanks	Width/length	%
2	0.05-0.14	0.23
143	0.15-0.24	16.39
336	0.25-0.34	38.53
223	0.35-0.44	25.57
71	0.45-0.54	8.14
38	0.55-0.64	4.36
13	0.65-0.74	1.49
19	0.75-0.84	2.18
9	0.85-0.94	1.03
8	0.95-1.04	0.92
1	1.05-1.14	0.11
5	1.15-1.24	0.57
1	1.25-1.34	0.11
1	1.35-1.44	0.11
1	1.65-1.74	0.11
1	2.85-2.94	0.11
Total 872	Means 0.38	100.00

(j) Width/length ratio for tools* and blanks*, level XVI, E4.

1	0.05-0.14	0.30
36	0.15-0.24	10.88
114	0.25-0.34	34.44
68	0.35-0.44	20.54
50	0.45-0.54	15.11
34	0.55-0.64	10.27
11	0.65-0.74	3.32
10	0.75-0.84	3.02
4	0.85-0.94	1.21
1	0.95-1.04	0.30
1	1.25-1.34	0.30
1	1.65-1.74	0.30
Total 331	Means 0.40	100.00

(k) Width/length of tools* and blanks*, level XV, E4, F4 and F3.

No. of tools and blanks	Width/length	%
8	0.15-0.24	5.13
19	0.25-0.34	12.18
33	0.35-0.44	21.15
32	0.45-0.54	20.51
25	0.55-0.64	16.03
13	0.65-0.74	8.33
11	0.75-0.84	7.05
9	0.85-0.94	5.77
2	0.95-1.04	1.28
1	1.05-1.14	0.64
2	1.15-1.24	1.28
1	1.25-1.34	0.64
Total 156	Means 0.54	100.00

(1) Width/length ratio for tools* and blanks*, level XIV, E4.

3	0.15-0.24	6.00
12	0.25-0.34	24.00
10	0.35-0.44	20.00
14	0.45-0.54	28.00
9	0.55-0.64	18.00
1	0.65-0.74	2.00
1	2.75-2.84	2.00
Total 50	Means 0.47	100.00

(m) Width/length ratio for tools* and blanks*, level XIII, E4, F4 and F3.

No. of tools and blanks	Width/length	%
2	0.05-0.14	1.53
12	0.15-0.24	9.16
32	0.25-0.34	24.43
23	0.35-0.44	17.56
16	0.45-0.54	12.21
13	0.55-0.64	9.92
10	0.65-0.74	7.63
8	0.75-0.84	6.11
6	0.85-0.94	4.58
4	0.95-1.04	3.05
2	1.05-1.14	1.53
1	1.15-1.24	0.76
1	1.55-1.64	0.76
1	1.85-1.94	0.76
Total 131	Means 0.51	100.00

(n) Width/length ratio for tools* and blanks*, level XII, E4.

3	0.05-0.14	0.77
76	0.15-0.24	19.49
122	0.25-0.34	31.28
75	0.35-0.44	19.23
51	0.45-0.54	13.08
19	0.55-0.64	4.87
8	0.65-0.74	2.05
19	0.75-0.84	4.87
5	0.85-0.94	1.28
5	0.95-1.04	1.28
6	1.05-1.14	1.54
1	1.15-1.24	0.26
Total 390	Means 0.39	100.00

* excluding fragments

(a) Areas of butts*, level XXV, E4.

No. of butts	Area CM ²	%
5	0	7.70
3	0.05-0.14	4.60
12	0.15-0.44	18.40
22	0.45-0.94	33.70
5	0.95-1.44	7.70
9	1.45-1.94	10.70
8	1.95-2.44	12.20
1	2.45-2.94	1.50
Total 65	Means 0.98	100.00

(b) Areas of butts*, level XXIV, E4.

5	0	4.90
1	0.05-0.14	1.00
8	0.15-0.44	7.80
33	0.45-0.94	32.40
27	0.95-1.44	26.50
15	1.45-1.94	14.70
10	1.95-2.44	9.80
2	2.45-2.94	2.00
1	5.95-6.44	1.00
Total 102	Means 1.15	100.00

(c) Areas of butts*, level XXIII, E4.

2	0	0.60
4	0.05-0.14	1.20
34	0.15-0.44	9.90
119	0.45-0.94	34.90
98	0.95-1.44	28.70
50	1.45-1.94	14.60
19	1.95-2.44	5.60
5	2.45-2.94	1.50
4	2.95-3.44	1.20
2	3.45-3.94	0.60
1	3.95-4.44	0.30
1	4.45-4.94	0.30
1	4.95-5.44	0.30
1	5.95-6.44	0.30
Total 342	Means 1.49	100.00

Fig. 200

(d) Areas of butts*, level XXII, E4.

No. of tools	Area CM ²	%
7	0	1.70
9	0.05-0.14	2.20
42	0.15-0.44	10.10
126	0.45-0.94	30.50
115	0.95-1.44	27.60
60	1.45-1.94	14.50
36	1.95-2.44	8.80
9	2.45-2.94	2.30
4	2.95-3.44	1.10
3	3.45-3.94	0.80
3	3.95-4.44	0.70
1	15.45-15.94	0.30
Total 414	Means 1.83	100.00

(e) Areas of butts*, level XXI, E4.

5	0	3.30
4	0.05-0.14	2.60
19	0.15-0.44	12.40
58	0.45-0.94	37.40
39	0.95-1.44	25.30
13	1.45-1.94	8.40
9	1.95-2.44	5.70
5	2.45-2.94	3.10
1	2.95-3.44	0.60
2	3.45-3.94	1.20
Total 155	Means 1.01	100.00

(f) Areas of butts*, level XX, E4.

30	0	8.70
18	0.05-0.14	5.40
80	0.15-0.44	23.30
109	0.45-0.94	31.90
51	0.95-1.44	14.80
24	1.45-1.94	7.10
17	1.95-2.44	5.10
9	2.45-2.94	2.70
1	2.95-3.44	0.30
2	3.45-3.94	0.60
1	5.45-5.94	0.30
1	5.95-6.44	0.30
Total 343	Means 0.80	100.00

(g) Areas of butts*, level XIX, E4.

No. of tools	Area CM ²	%
49	0	24.50
29	0.05-0.14	14.50
47	0.15-0.44	23.50
52	0.45-0.94	27.00
13	0.95-1.44	6.50
6	1.45-1.94	3.00
1	1.95-2.44	0.50
1	8.45-8.94	0.50
Total 200	Means 0.43	100.00

(h) Areas of butts*, level XVIII, E4.

83	0	29.20
82	0.05-0.14	28.90
52	0.15-0.44	18.30
34	0.45-0.94	12.10
19	0.95-1.44	6.70
5	1.45-1.94	1.80
4	1.95-2.44	1.50
2	2.45-2.94	0.80
1	2.95-3.44	0.40
2	3.95-4.44	0.80
Total 284	Means 0.36	100.00

(i) Areas of butts*, level XVII, E4.

277	0	43.10
228	0.05-0.14	35.40
60	0.15-0.44	9.30
45	0.45-0.94	7.00
15	0.95-1.44	2.40
6	1.45-1.94	1.10
4	1.95-2.44	0.70
3	2.45-2.94	0.60
2	2.95-3.44	0.40
1	3.95-4.44	0.20
2	5.45-5.94	0.40
Total 643	Means 0.21	100.00

* excluding broken butts

(a) Thickness of blades*, level XXV, E4.

No. of blades	Thickness CM	%
2	0.05-0.54	25.00
3	0.55-1.04	37.50
2	1.05-1.54	25.00
1	1.55-2.04	12.50
Total 8	Means 0.93	100.00

(b) Thickness of blades*, level XXIV, E4.

2	0.05-0.54	25.00
6	0.55-1.04	75.00
Total 8	Means 0.68	100.00

(c) Thickness of blades*, level XXIII, E4.

11	0.05-0.54	22.00
32	0.55-1.04	64.00
7	1.05-1.54	14.00
Total 50	Means 0.68	100.00

(d) Thickness of blades*, level XXII, E4.

10	0.05-0.54	17.90
37	0.55-1.04	66.30
8	1.05-1.54	14.30
1	1.54-2.04	1.80
Total 56	Means 0.78	100.00

(e) Thickness of blades*, level XXI, E4.

7	0.05-0.54	15.00
15	0.55-1.04	53.00
5	1.05-1.54	17.90
1	1.55-2.04	3.60
Total 28	Means 0.79	100.00

(f) Thickness of blades*, level XX, E4.

No. of blades	Thickness CM	%
28	0.05-0.54	25.00
61	0.55-1.04	52.70
13	1.05-1.54	11.40
Total 114	Means 0.65	100.00

(g) Thickness of blades*, level XIX, E4.

13	0.05-0.54	52.00
11	0.55-1.04	44.00
1	1.05-1.54	4.00
Total 25	Means 0.56	100.00

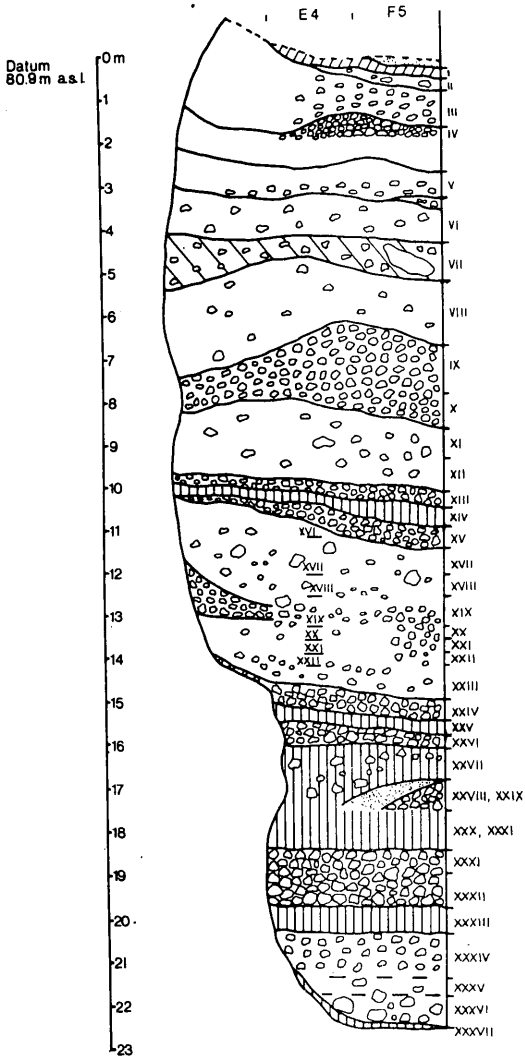
(h) Thickness of blades*, level XVIII, E4.

68	0.05-0.54	48.60
65	0.55-1.04	46.40
6	1.05-1.54	4.20
Total 140	Means 0.65	100.00

(i) Thickness of blades*, level XVII, E4.

171	0.05-0.54	50.70
154	0.55-1.04	45.70
27	1.05-1.54	8.10
7	1.55-2.04	2.10
Total 337	Means 0.62	100.00

* excluding fragments



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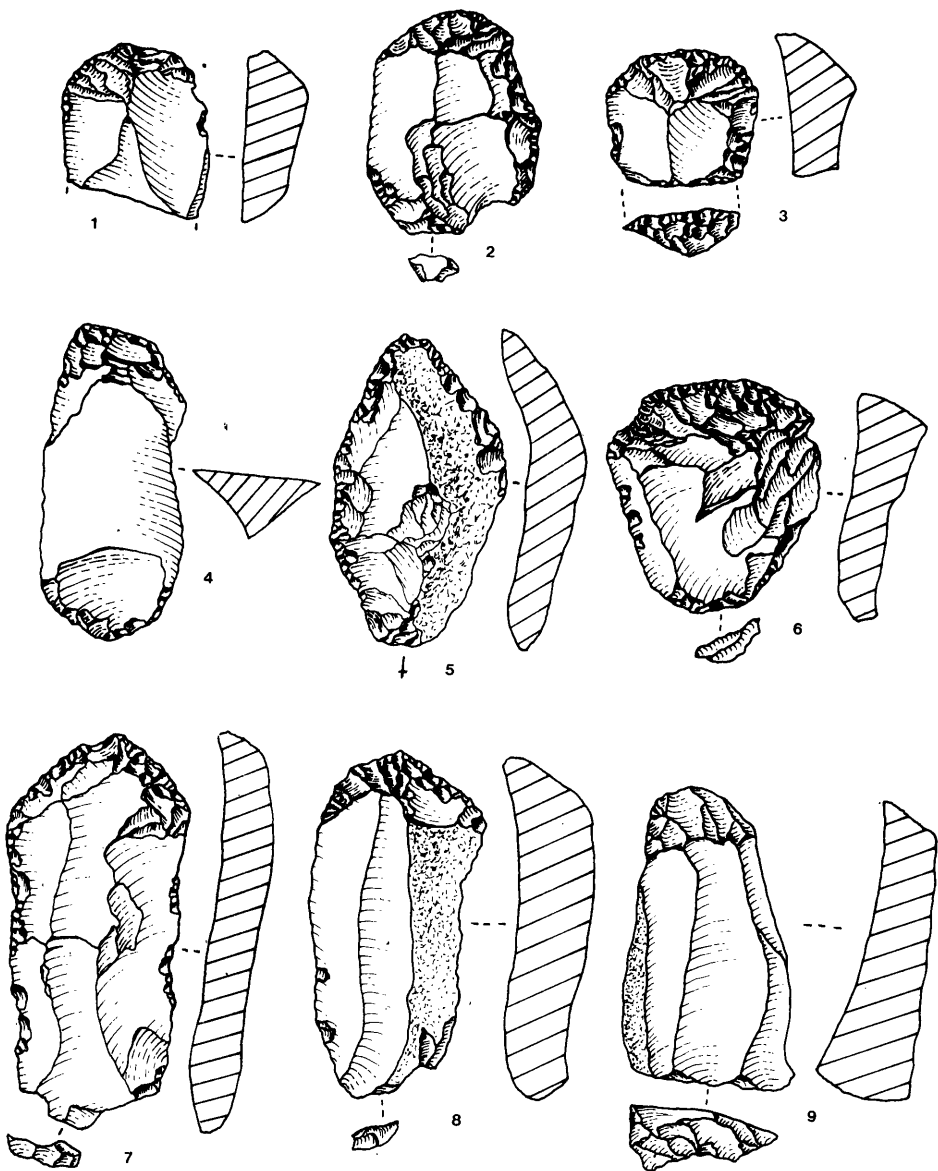


Plate 1 level XXV: 1, 2, 3, 6 and 9. End-scraper. 4. Splintered piece.
 5. Side-scraper. 7 and 8. Ogival end-scraper.

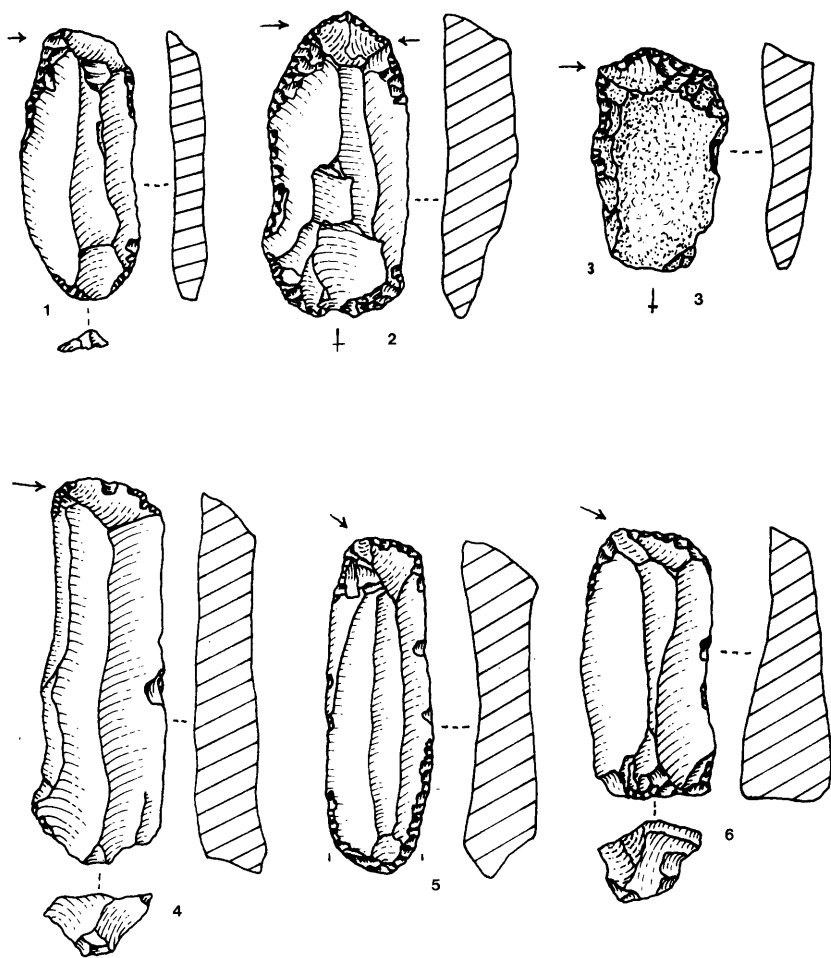


Plate 2 level XXV: 1, 3, 4, 5 and 6. Chamfered piece on lateral preparation. 2. Chamfered piece on an oblique retouched truncation.

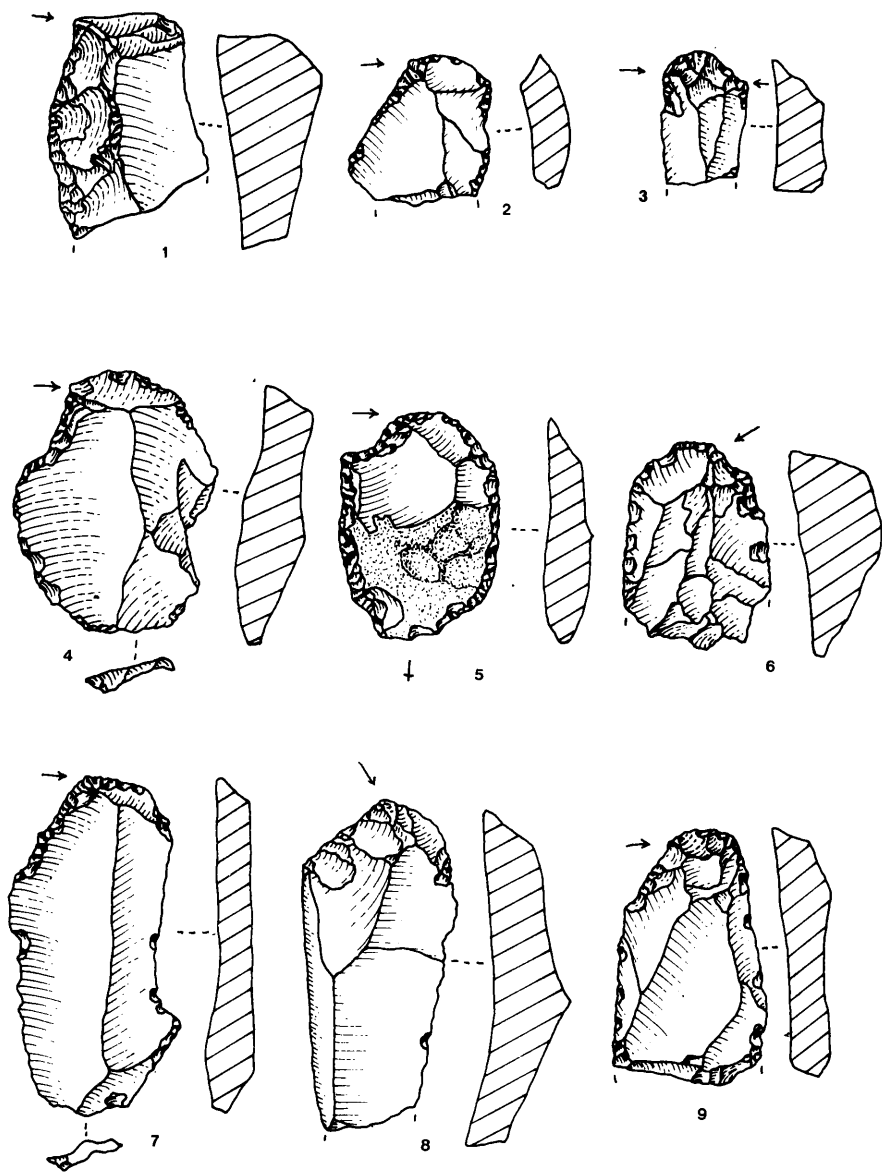


Plate 3 level XXV: 1 and 3. Chamfered piece on lateral preparation. 2, 7, 8 and 9. Chamfered piece on an oblique retouched truncation. 4, 5 and 6. Chamfered piece on a concave retouched truncation.

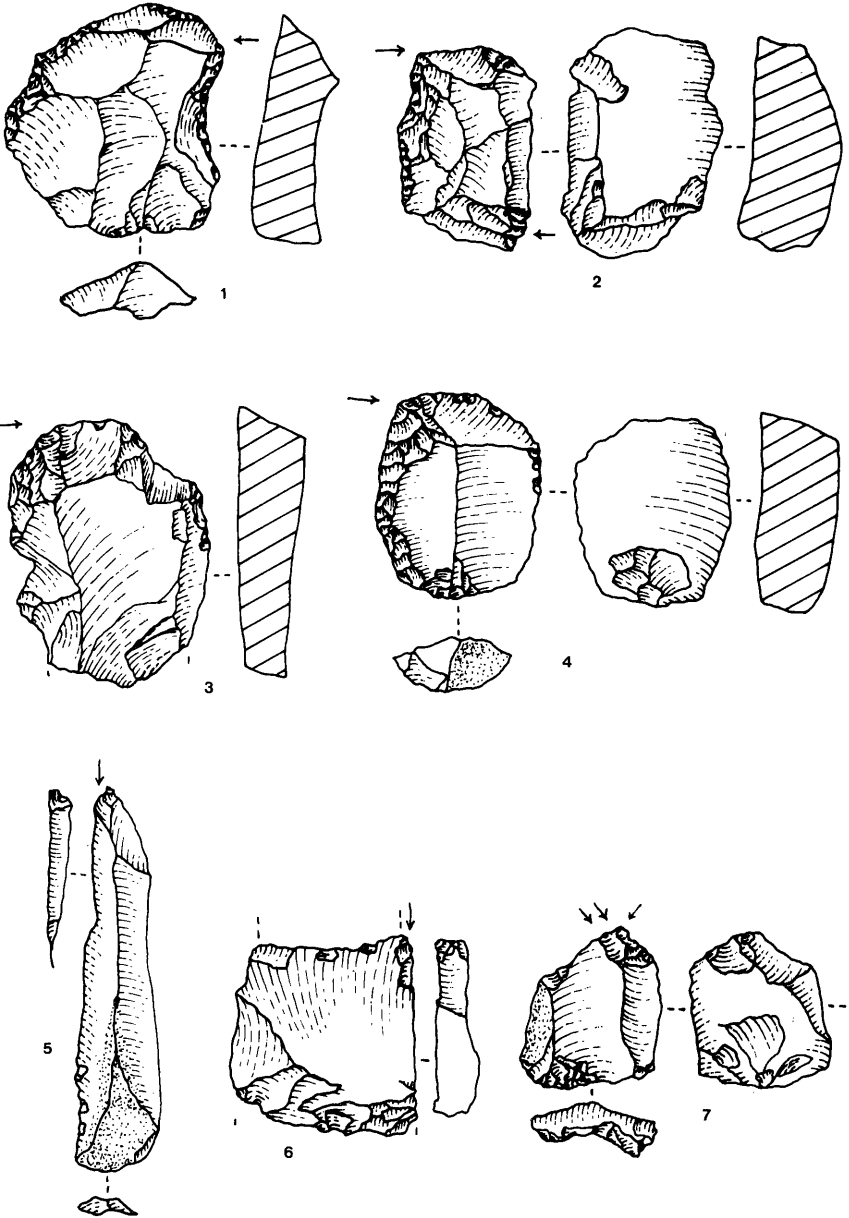


Plate 4 level XXV: 1. Chamfered piece on a concave retouched truncation. 2 and 4. Chamfered piece on lateral preparation. 3. Chamfered piece on a convex retouched truncation. 5. Burin on an oblique retouched truncation. 6. Dihedral angle burin on a break. 7. Dihedral asymmetrical burin.

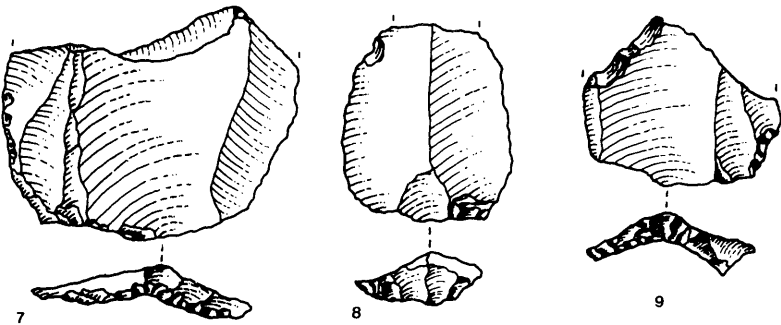
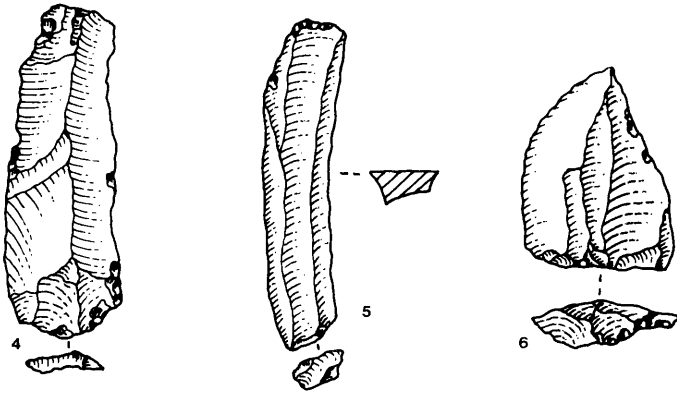
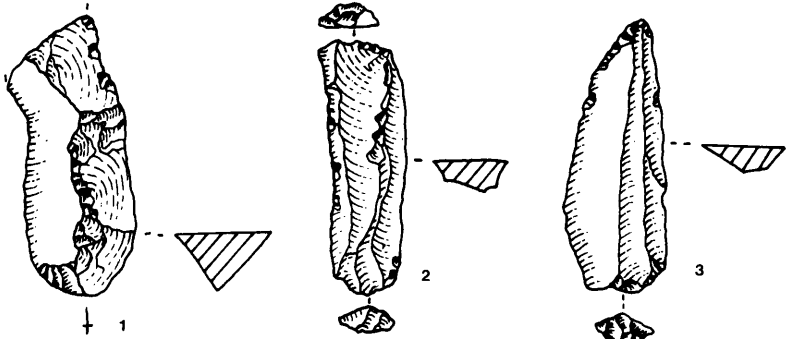


Plate 5 level XXV: 1. Unifacial crested blade. 2. Plunging blade. 3. Oblique retouched truncation. 4 and 5. Levallois blade. 6. Levallois point. 7, 8 and 9. Levallois flake.

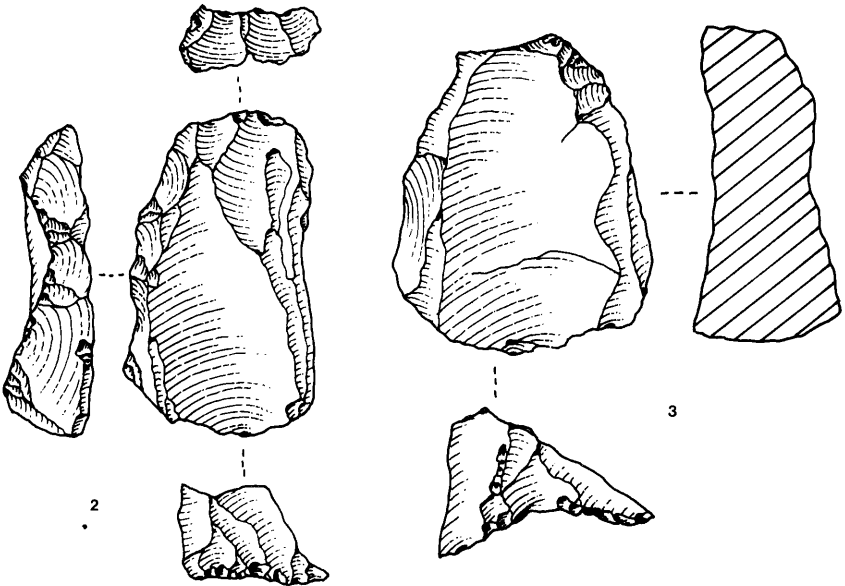
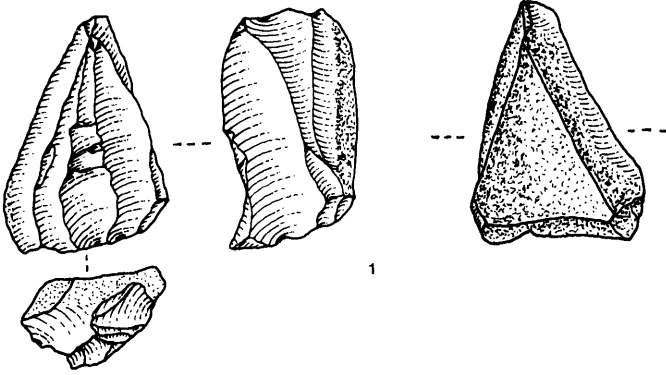


Plate 6 level XXV: 1. Levallois point core. 2 and 3. Levallois blade core.

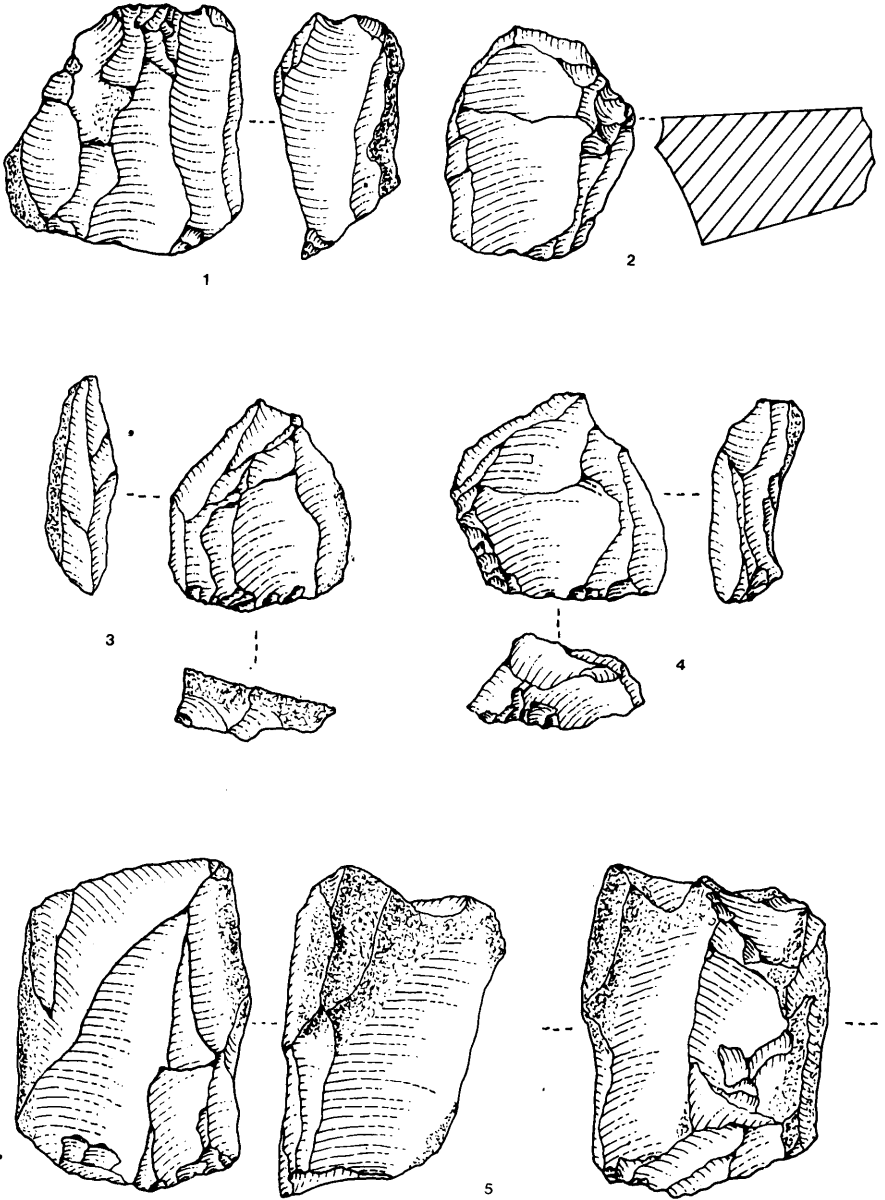


Plate 7 level XXV: 1 and 5. Levallois blade core. 2 and 4. Levallois flake core. 3. Levallois point core.

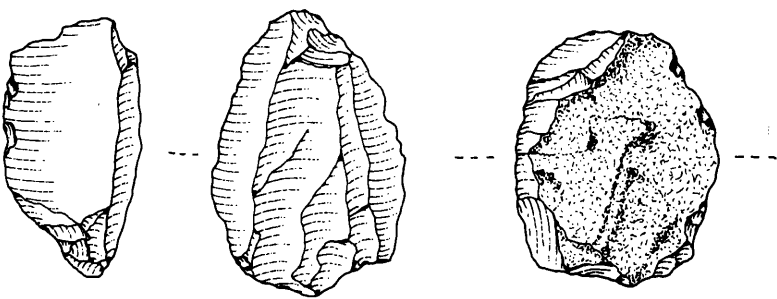
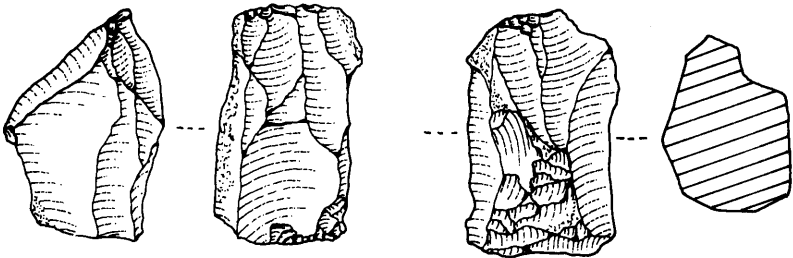
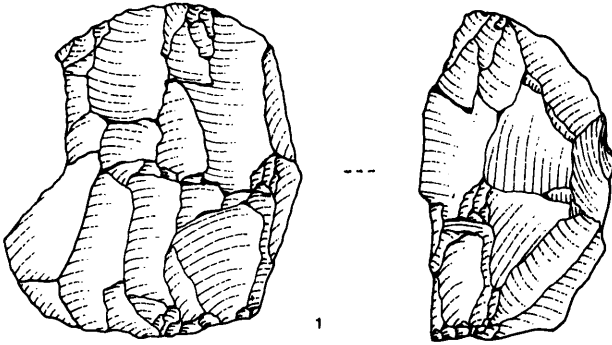


Plate 8 level XXV: 1 and 3. Levallois blade core. 2. Prismatic blade core with two platforms.

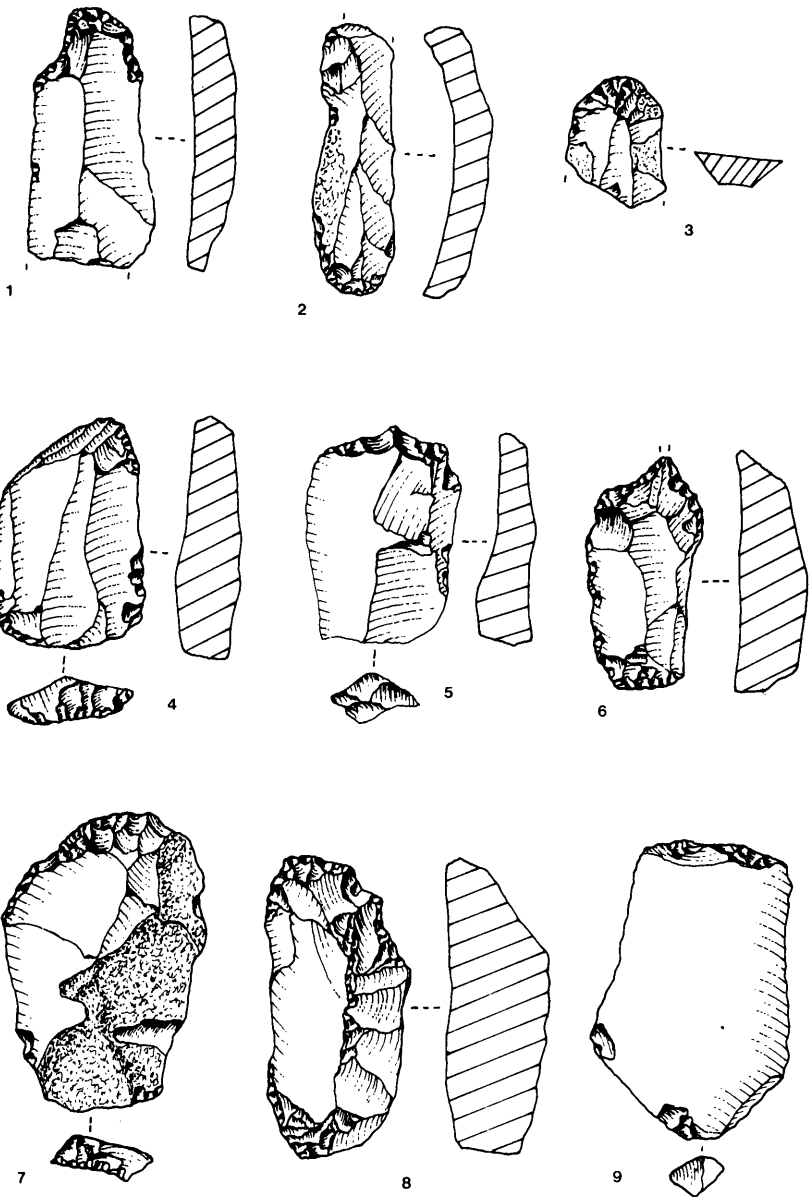


Plate 9 level XXIV: 1. Shouldered end-scraper. 2 and 5. Convex retouched truncation. 3, 7 and 8. End-scraper. 4. Chamfered piece on lateral preparation. 6. Piercer and end-scraper. 9. Straight retouched truncation.

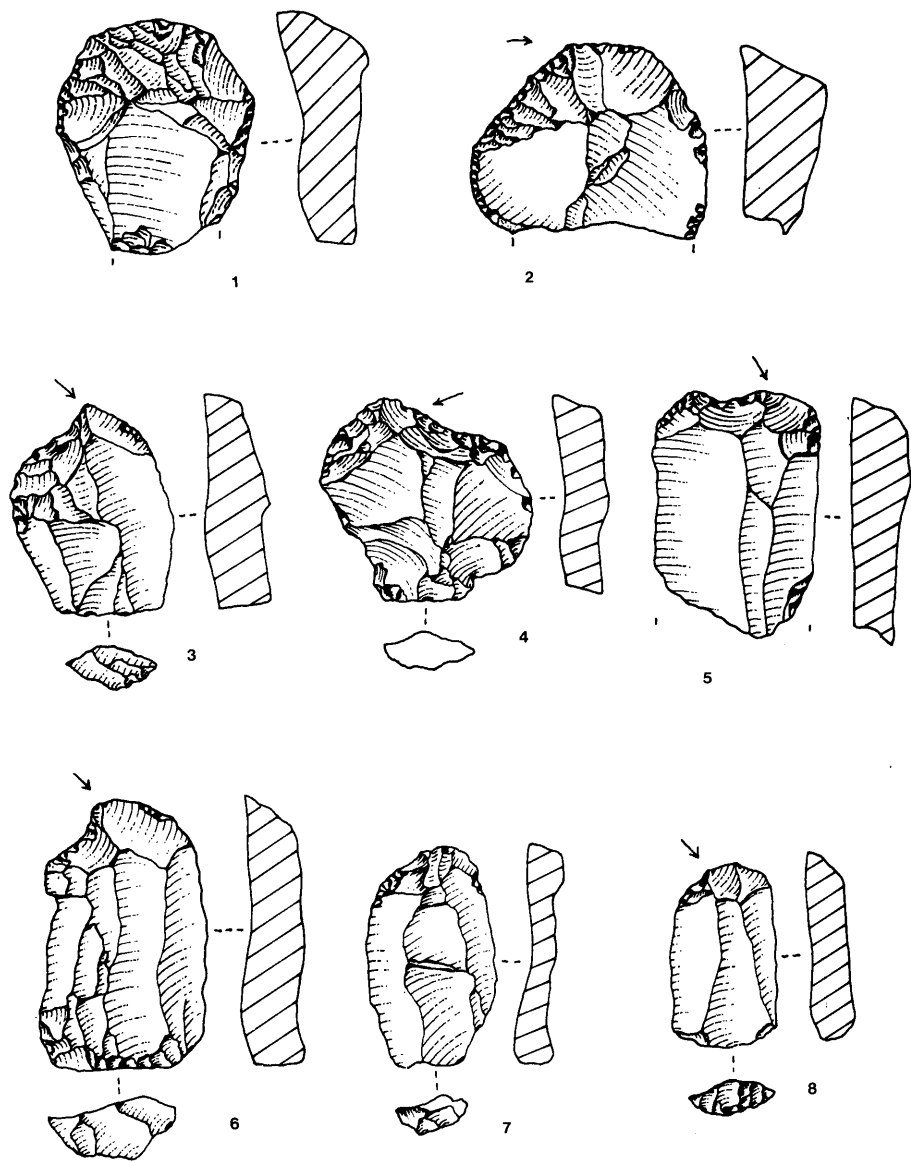


Plate 10 level XXIV: 1 and 7. Chamfered piece on lateral preparation. 2 and 8. Chamfered piece on an oblique retouched truncation. 3, 4, 5 and 6. Chamfered piece on a concave retouched truncation.

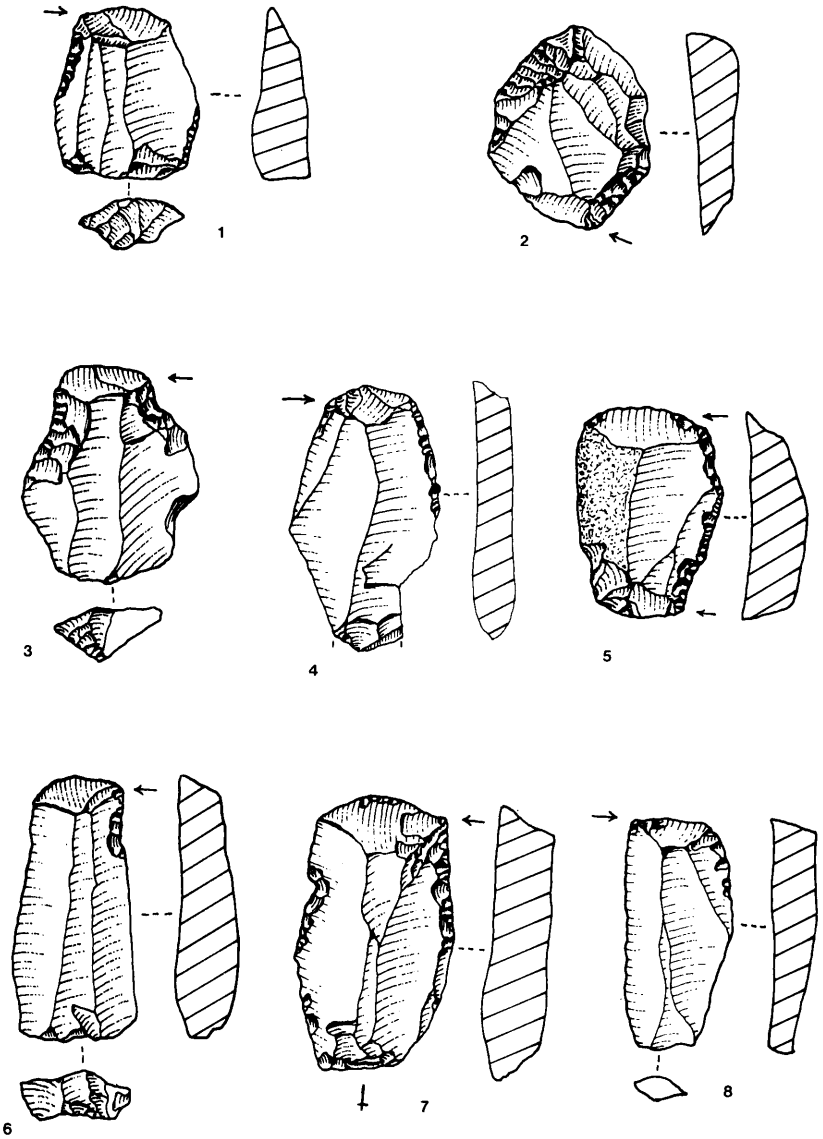


Plate 11 level XXIV: 1, 4, 6, 7 and 8. Chamfered piece on lateral preparation. 2. Atypical end-scrapers and chamfered piece on an oblique retouched truncation. 3. Chamfered piece on a concave retouched truncation. 5. Multiple chamfered piece.

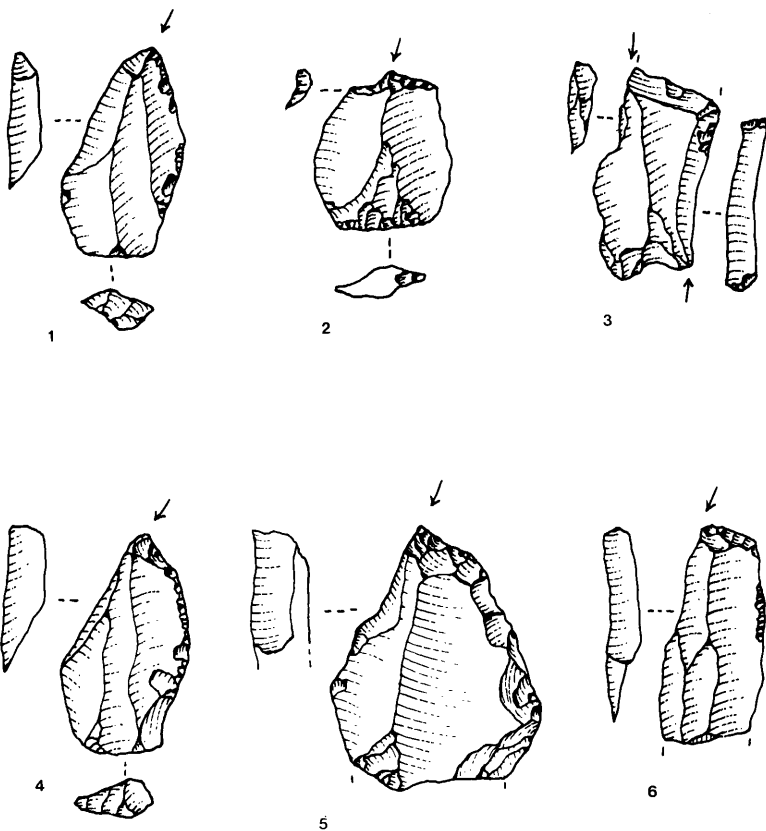


Plate 12 level XXIV: 1. Burin on a lateral preparation. 2. Burin on a straight retouched truncation. 3. Dihedral angle burin on a break and burin on a concave retouched truncation. 4, 5 and 6. Burin on an oblique retouched truncation.

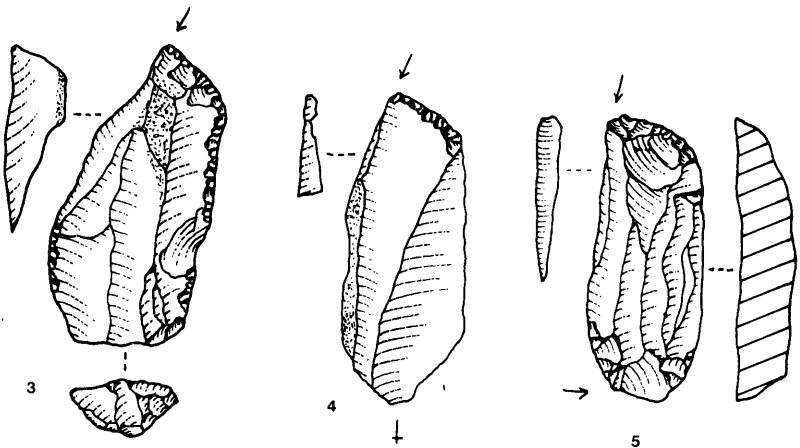
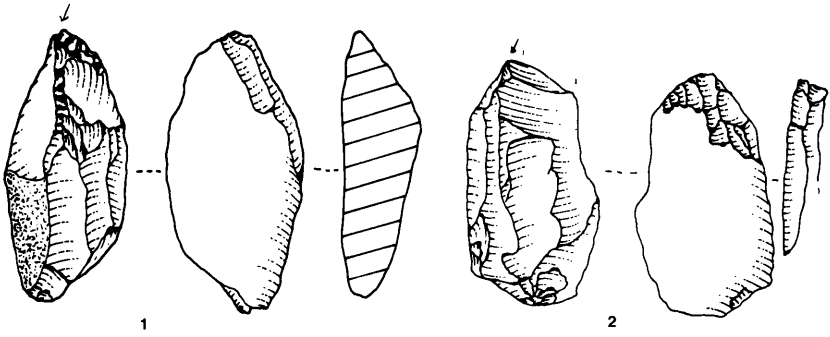


Plate 13 level XXIV: 1. Burin on a convex retouched truncation. 2. Dihedral angle burin on a break. 3 and 4. Burin on an oblique retouched truncation. 5. Burin on a retouched truncation.

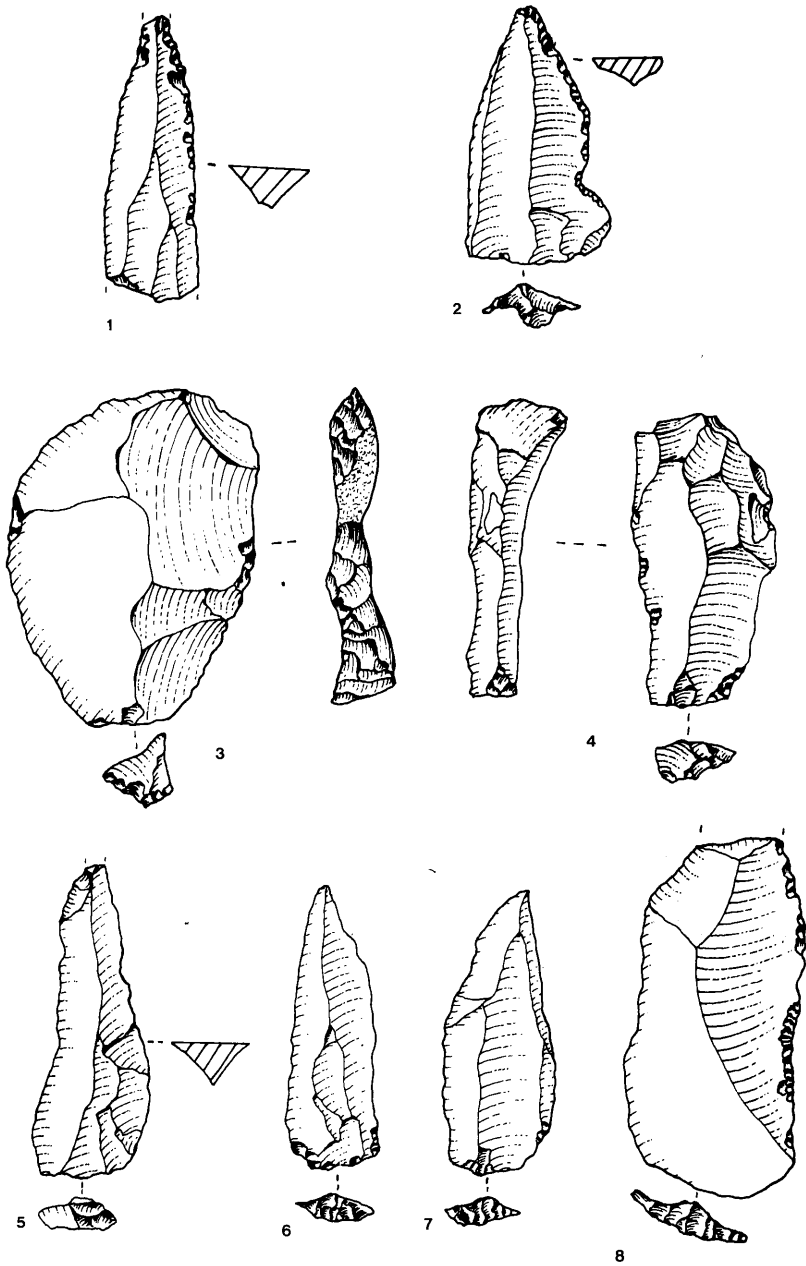


Plate 14 level XXIV: 1. Blade pointed by retouch. 2. Partially backed piece. 3. Core tablet. 4. Plunging blade. 5 and 8. Levallois blade. 6 and 7. Levallois point.

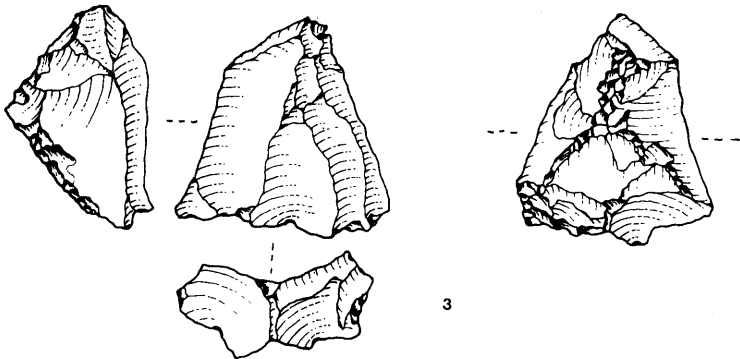
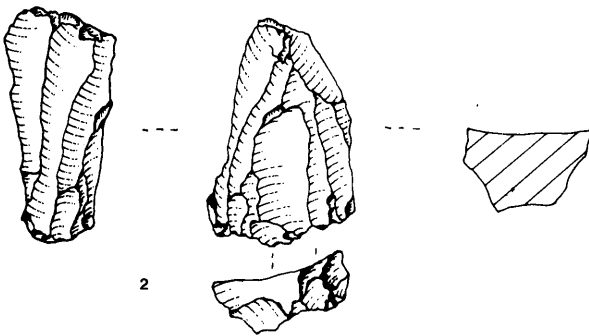
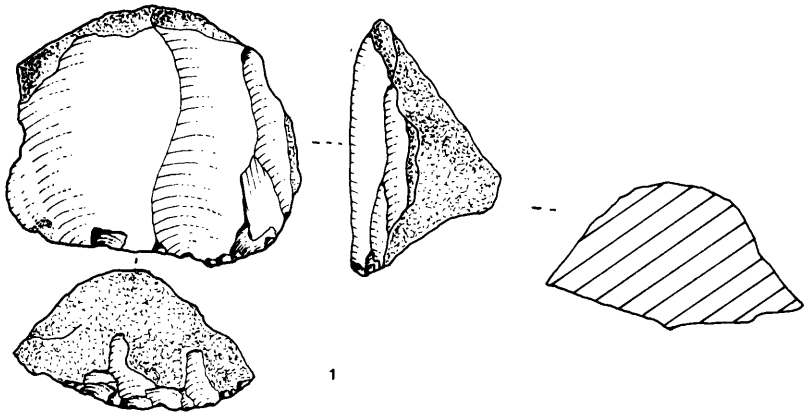
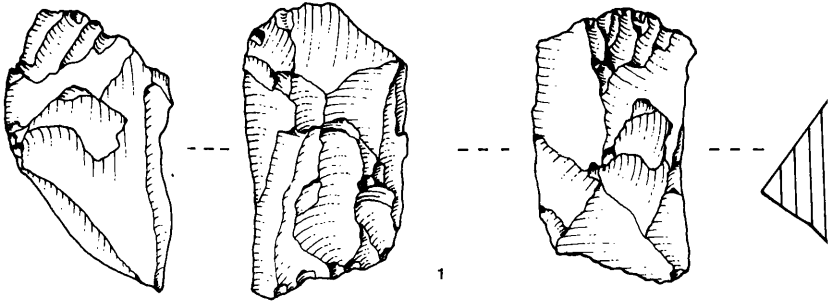
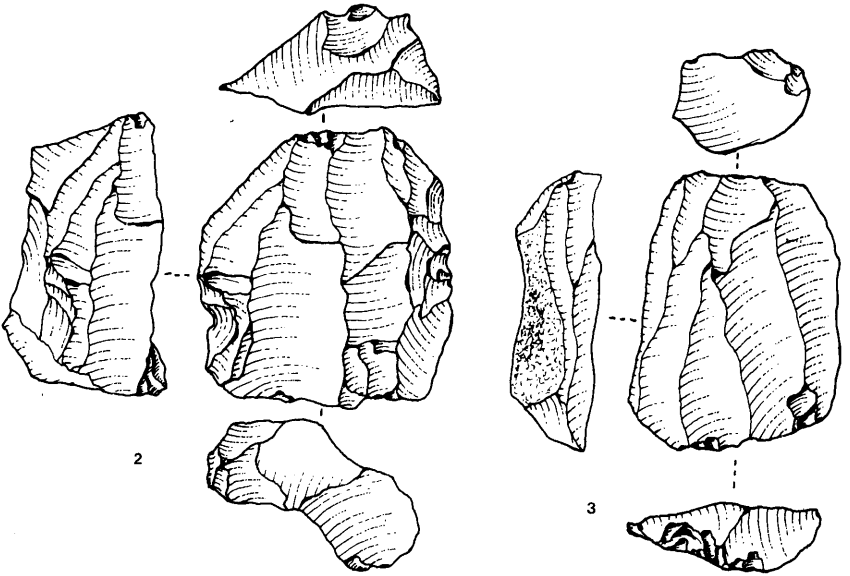


Plate 15 level XXIV: 1. Levallois blade core. 2 and 3. Levallois point core.



1



2

3

Plate 16 level XXIV: 1. Prismatic blade core with two platforms. and 3. Levallois blade core.

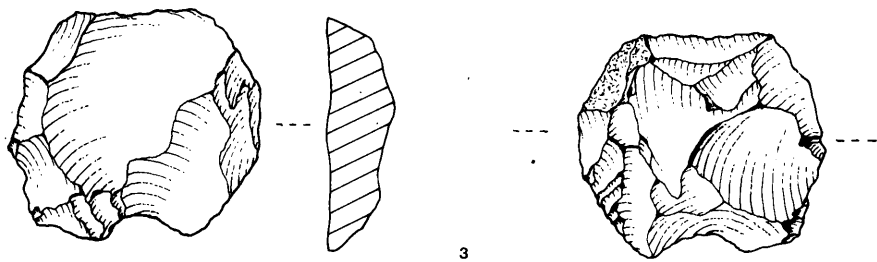
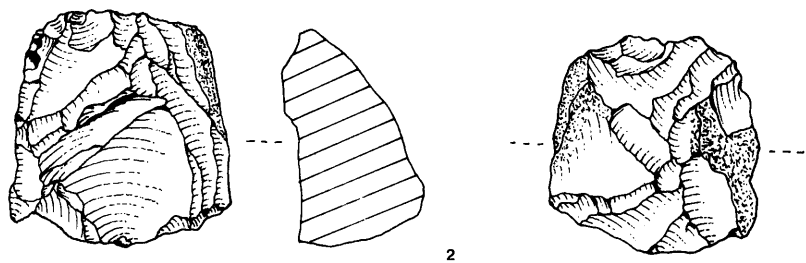
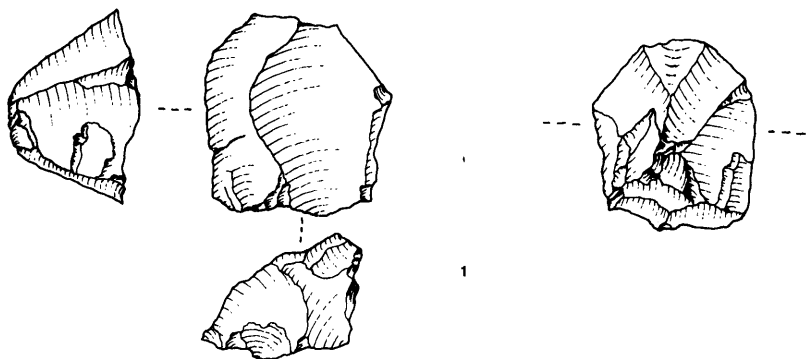


Plate 17 level XXIV: 1, 2 and 3. Levallois flake core.

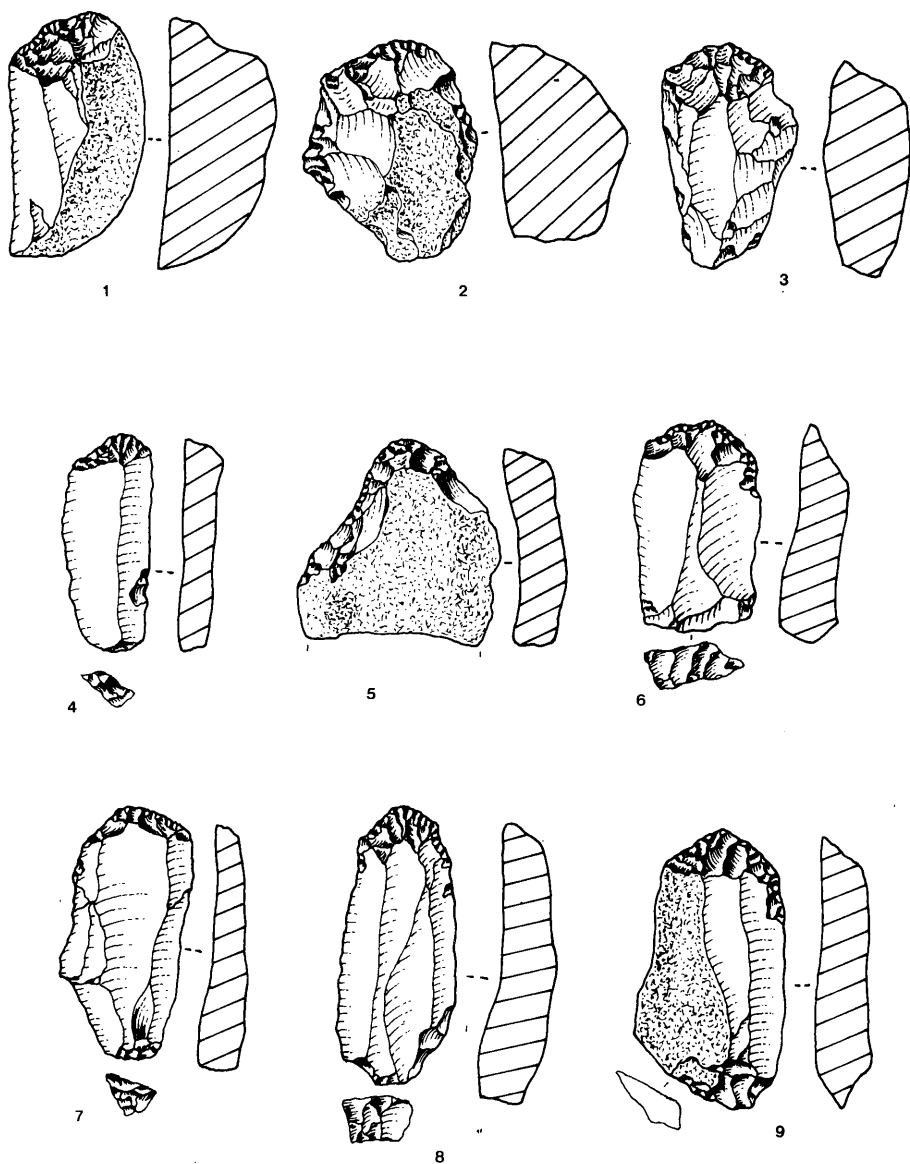


Plate 18 level XXIII: 1, 2, 6, 7 and 8. End-scrapers. 3 and 4. Shouldered end-scrapers. 5. Thin-nosed end-scrapers. 9. Ogival end-scrapers.

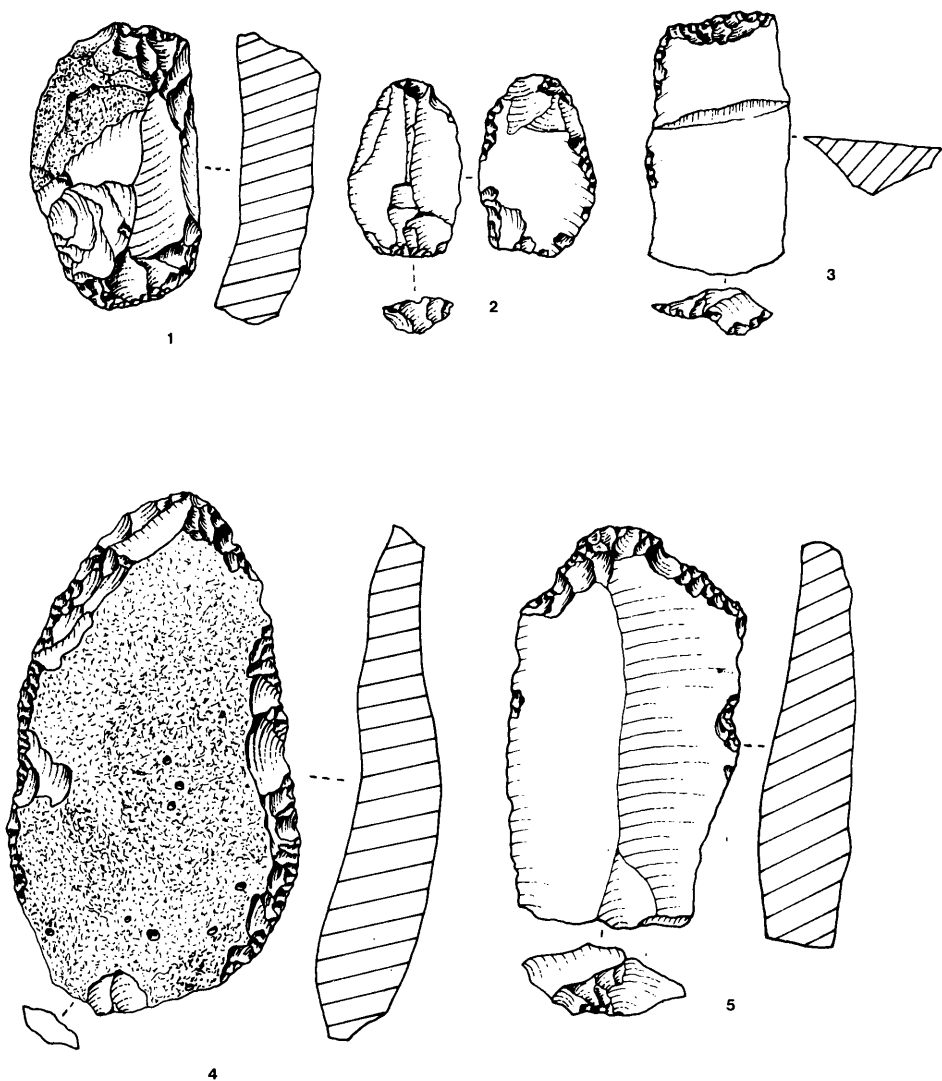


Plate 19 level XXIII: 1. Double end-scraper. 2. Splintered piece. 3. Oblique retouched truncation. 4. Side-scraper. 5. Thin-nosed end-scraper.

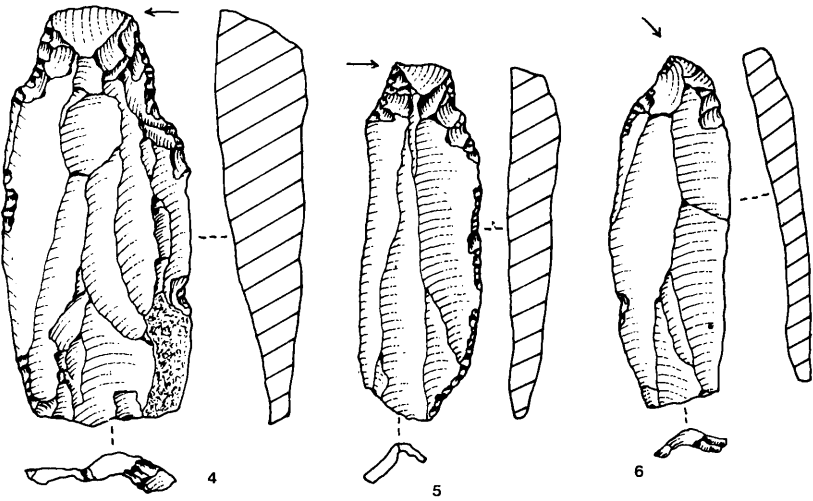
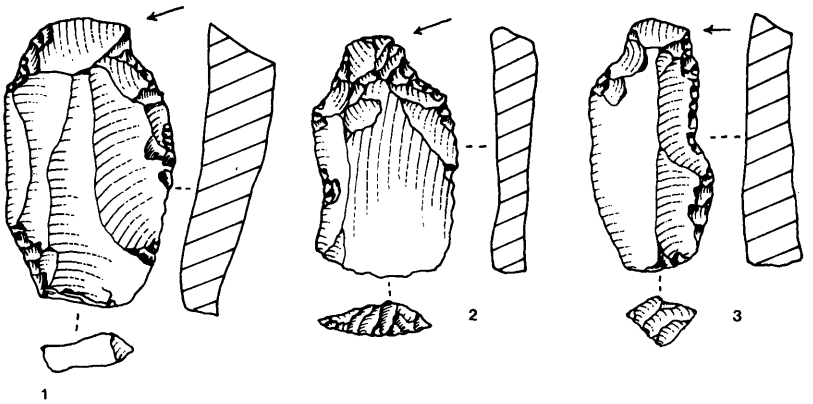


Plate 20 level XXIII: 1, 2 and 6. Chamfered piece on a concave retouched truncation. 3. Chamfered piece on lateral preparation. 4 and 5. Chamfered piece on an oblique retouched truncation.

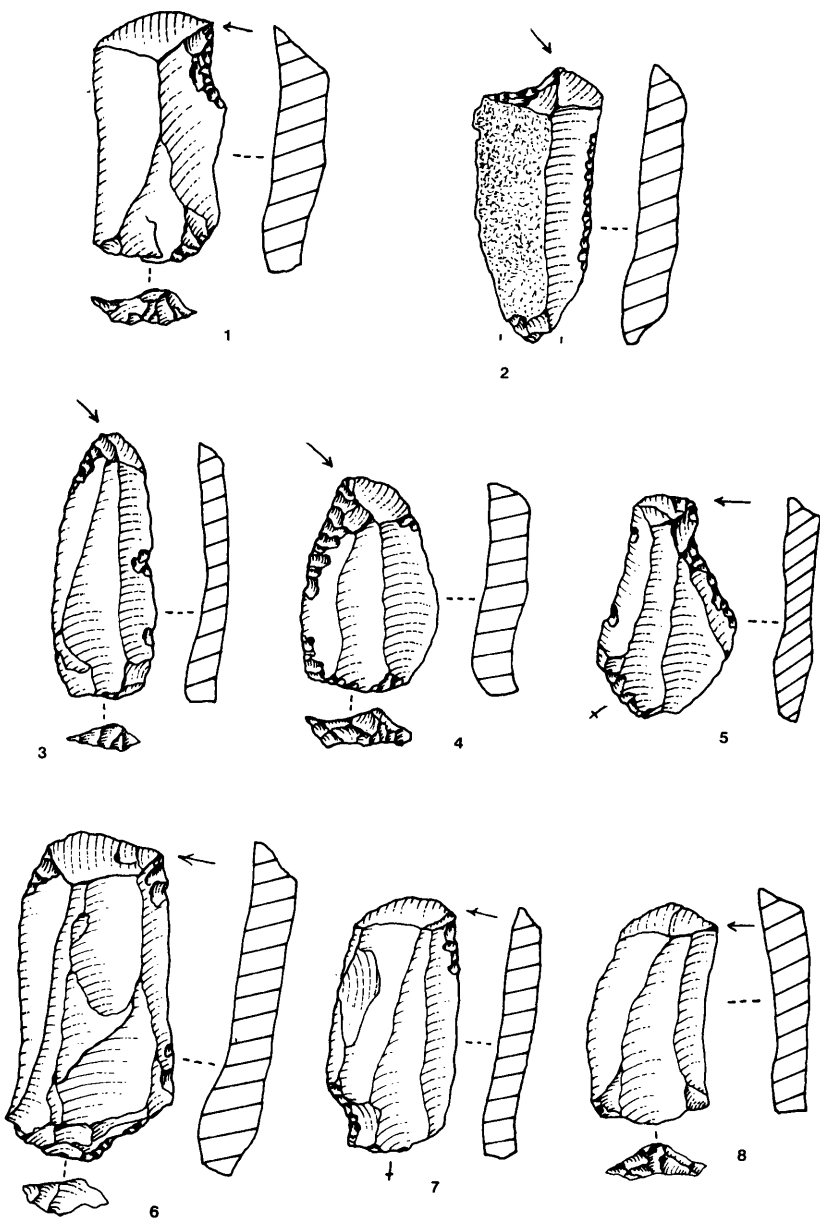


Plate 21 level XXIII: 1 and 2. Chamfered piece on a concave retouched truncation. 3, 4 and 5. Chamfered piece on an oblique retouched truncation. 6, 7 and 8. Chamfered piece on lateral preparation.

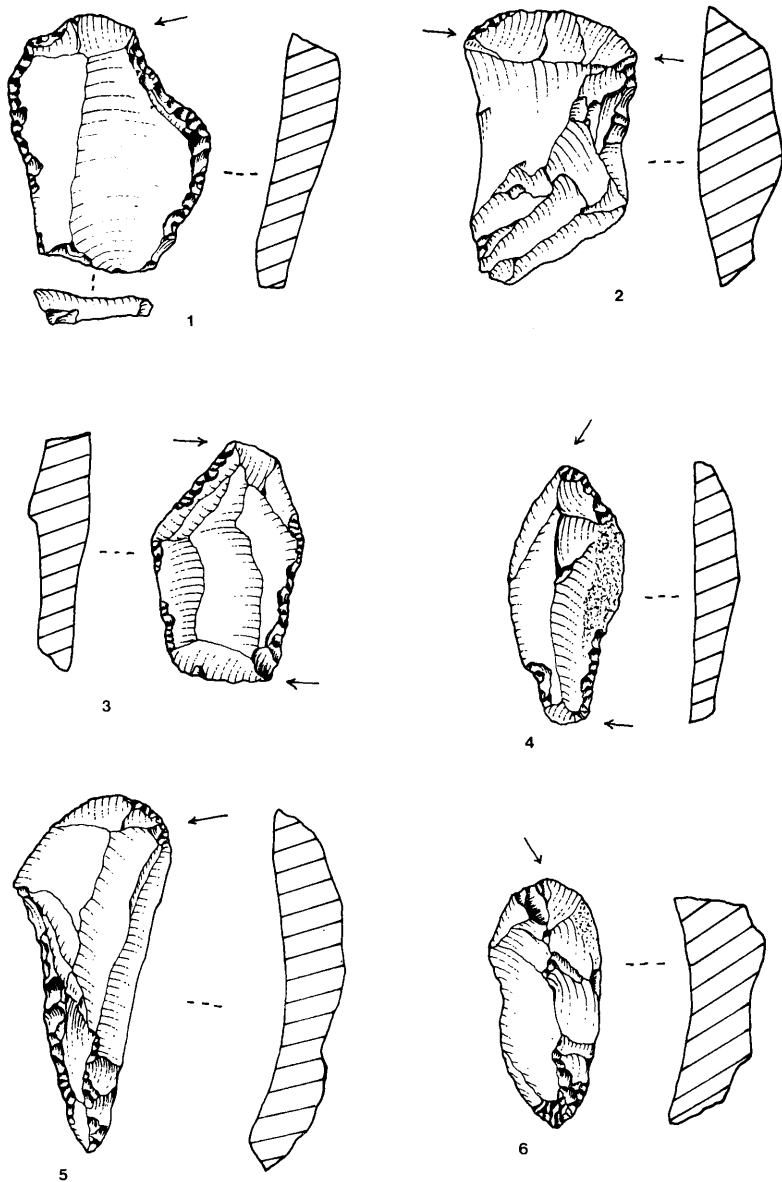


Plate 22 level XXIII: 1. Chamfered piece on a concave retouched truncation. 2 and 5. Chamfered piece on lateral preparation. 3 and 4. Multiple chamfered piece. 6. Chamfered piece on an oblique retouched truncation and end-scraper.

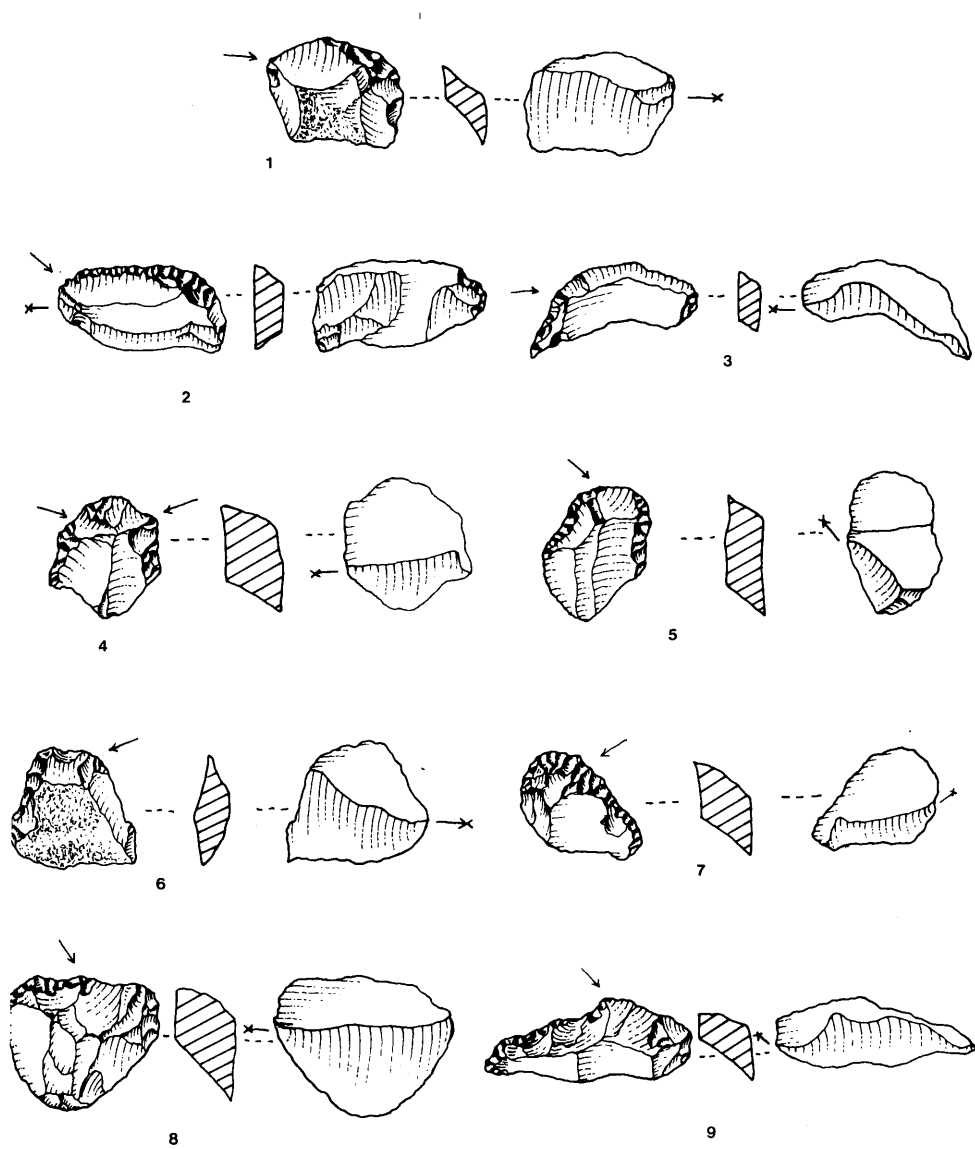


Plate 23 level XXIII: 1, 3, 4, 5, 6, 7, 8 and 9. Chamfer spall. 2. Splintered piece.

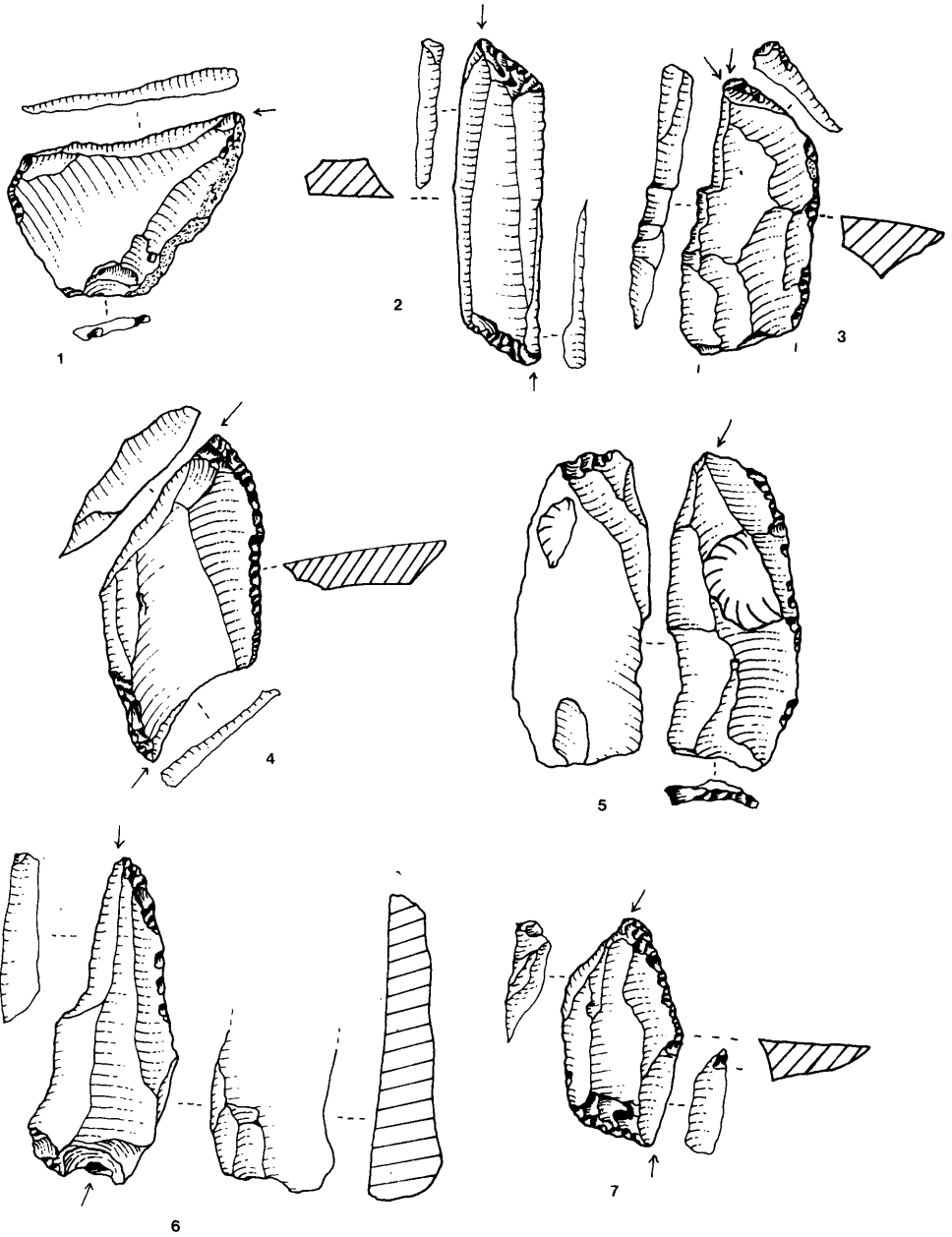


Plate 24 level XXIII: 1 and 3. Dihedral angle burin. 2, 4, 6 and 7. Multiple truncation burin. 5. Burin on a lateral preparation.

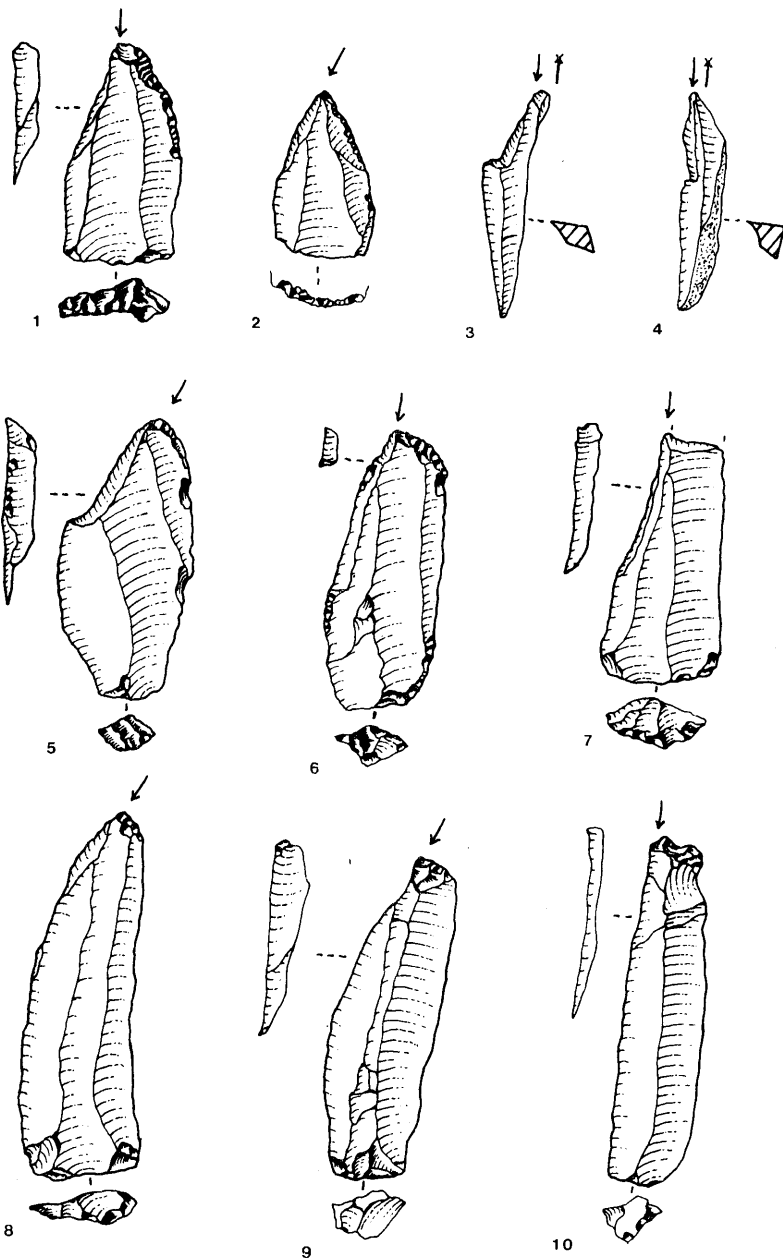


Plate 25 level XXIII: 1 and 6. Burin on a convex retouched truncation. 2. Burin on a lateral preparation and convex retouched truncation. 3 and 4. Sharpening burin spall. 5. Burin on a lateral preparation. 7. Dihedral angle burin on a break. 8 and 9. Burin on an oblique retouched truncation. 10. Burin on a concave retouched truncation.

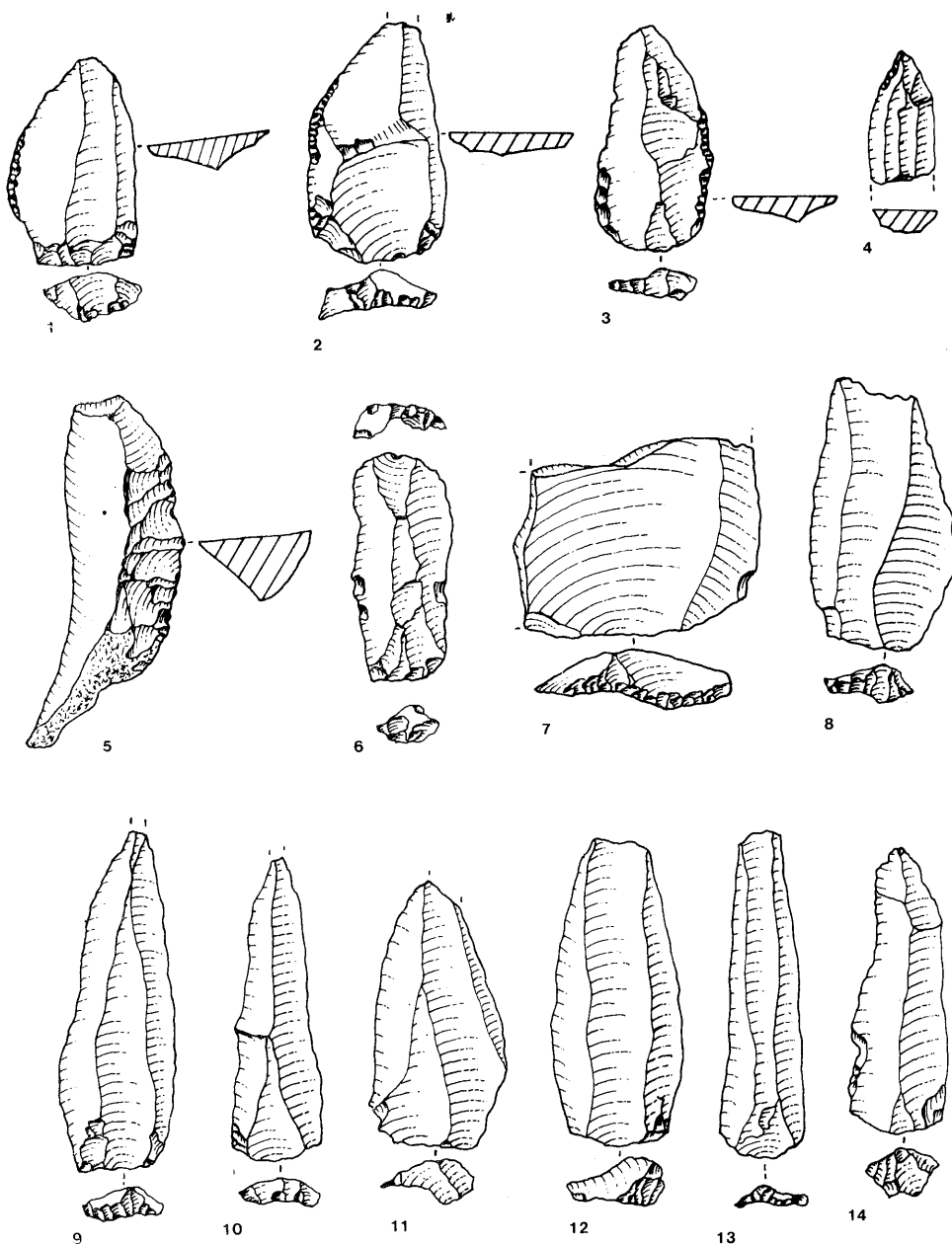


Plate 26 level XXIII: 1 and 2. Partially backed piece. 3. Double partially backed piece. 4. Blade pointed by retouch. 5. Unifacial crested blade. 6. Plunging blade platforms. 7 and 8. Levallois flake. 9, 10 and 11. Levallois point. 12, 13 and 14. Levallois blade.

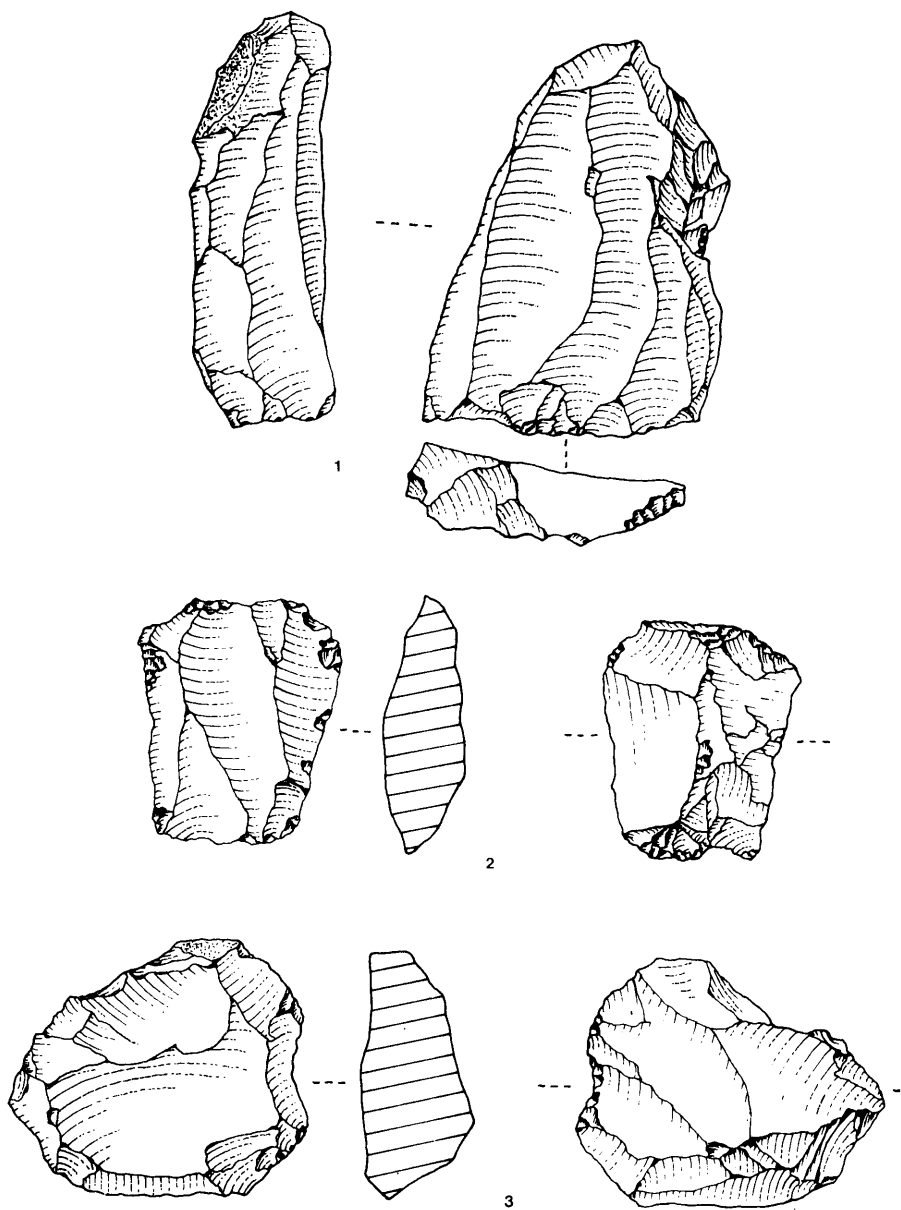


Plate 27 level XXIII: 1 and 2. Levallois blade core. 3. Levallois flake core.

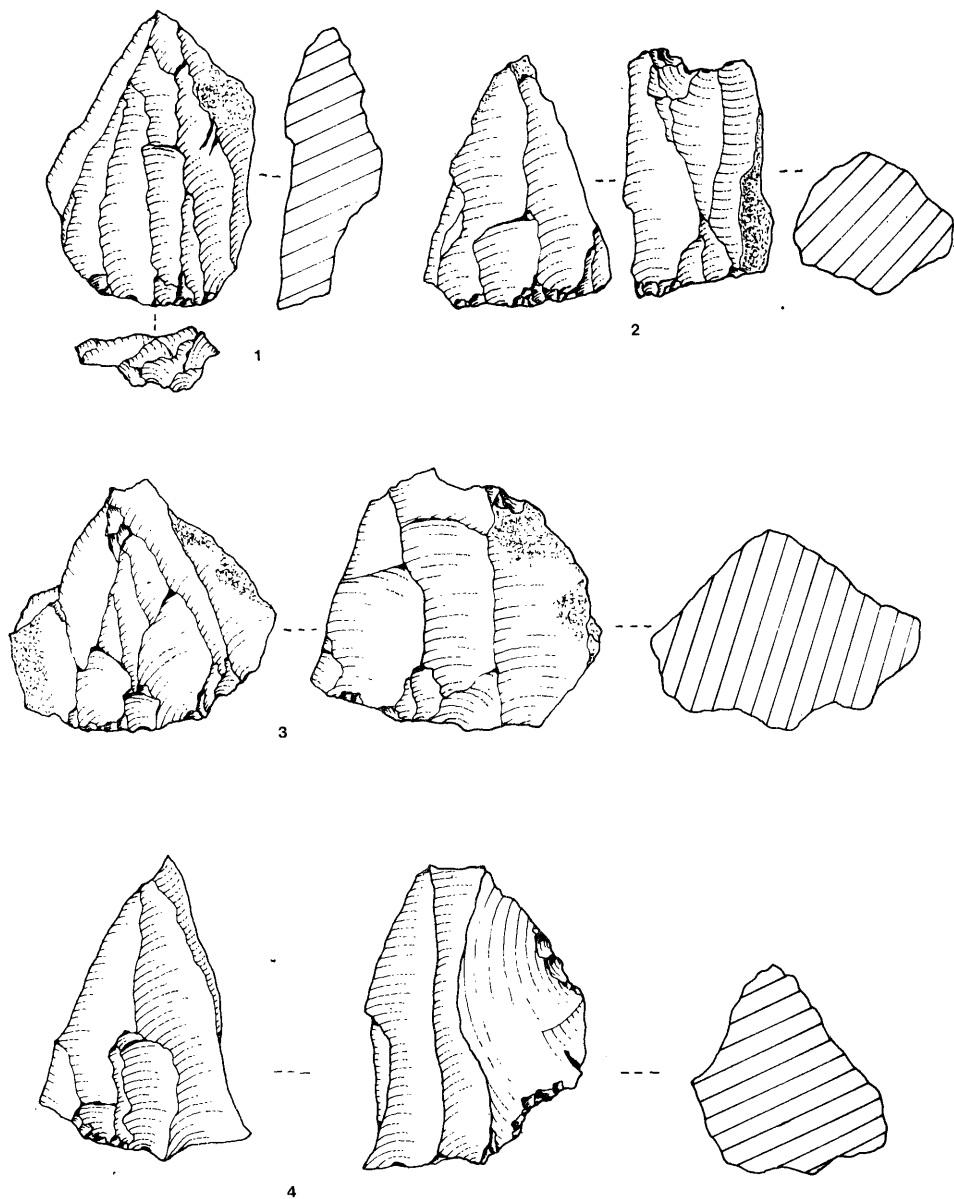


Plate 28 level XXIII: 1, 2, 3 and 4. Levallois point core.

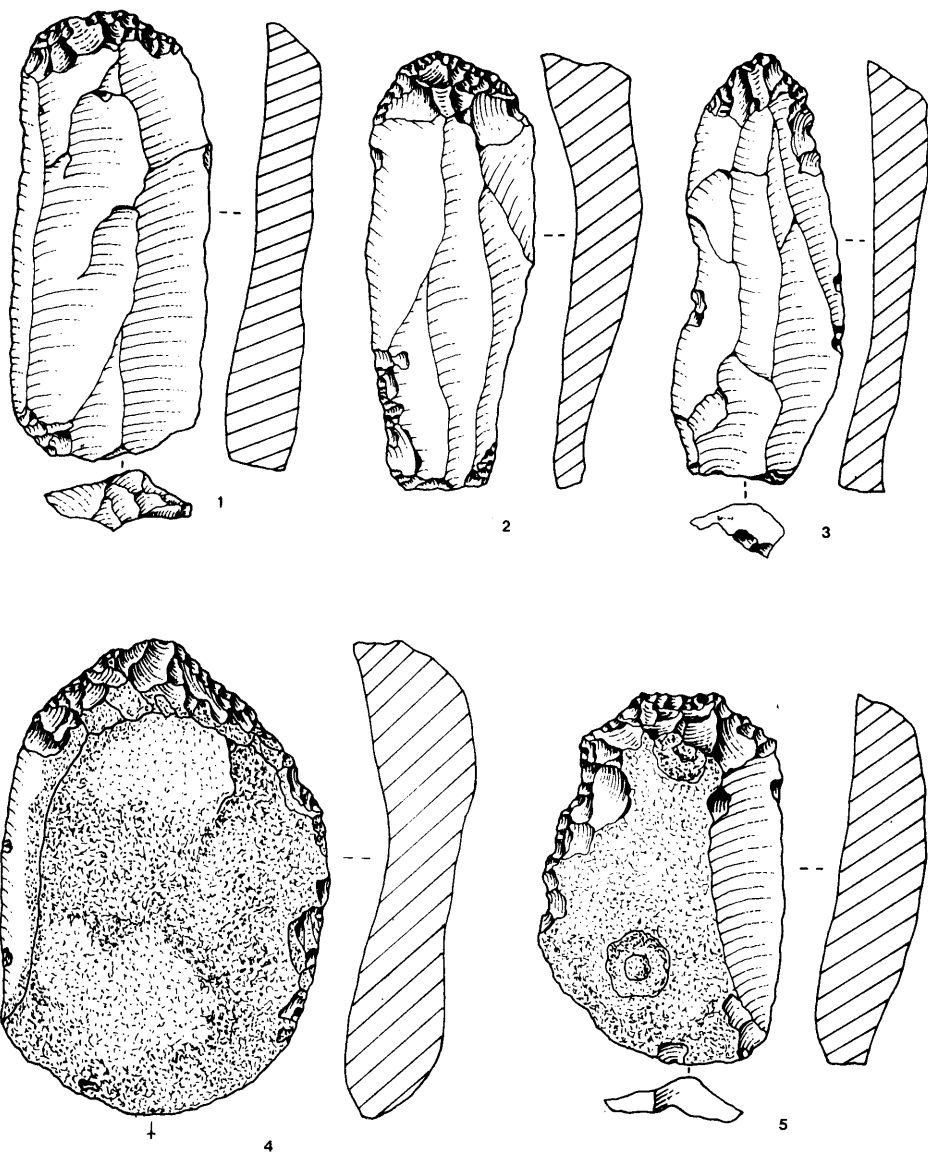


Plate 29 level XXII: 1, 2 and 5. End-scrapers. 3 and 4. Ogival end-scrapers.

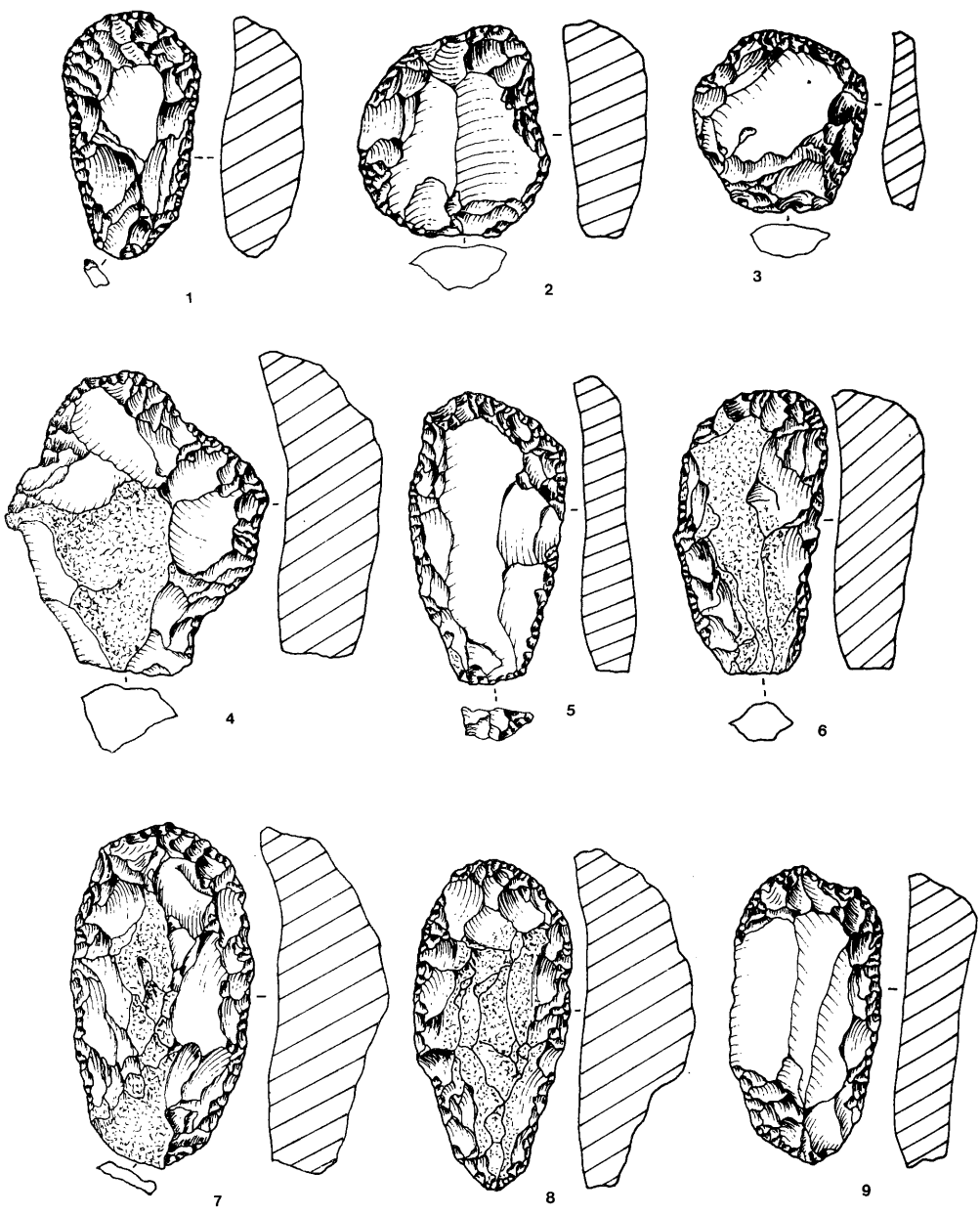


Plate 30 level XXII: 1, 2, 3, 5, 6 and 7. End-scrapers on a retouched flake. 8 and 9. Double end-scrapers. 4. Thick-nosed end-scrapers.

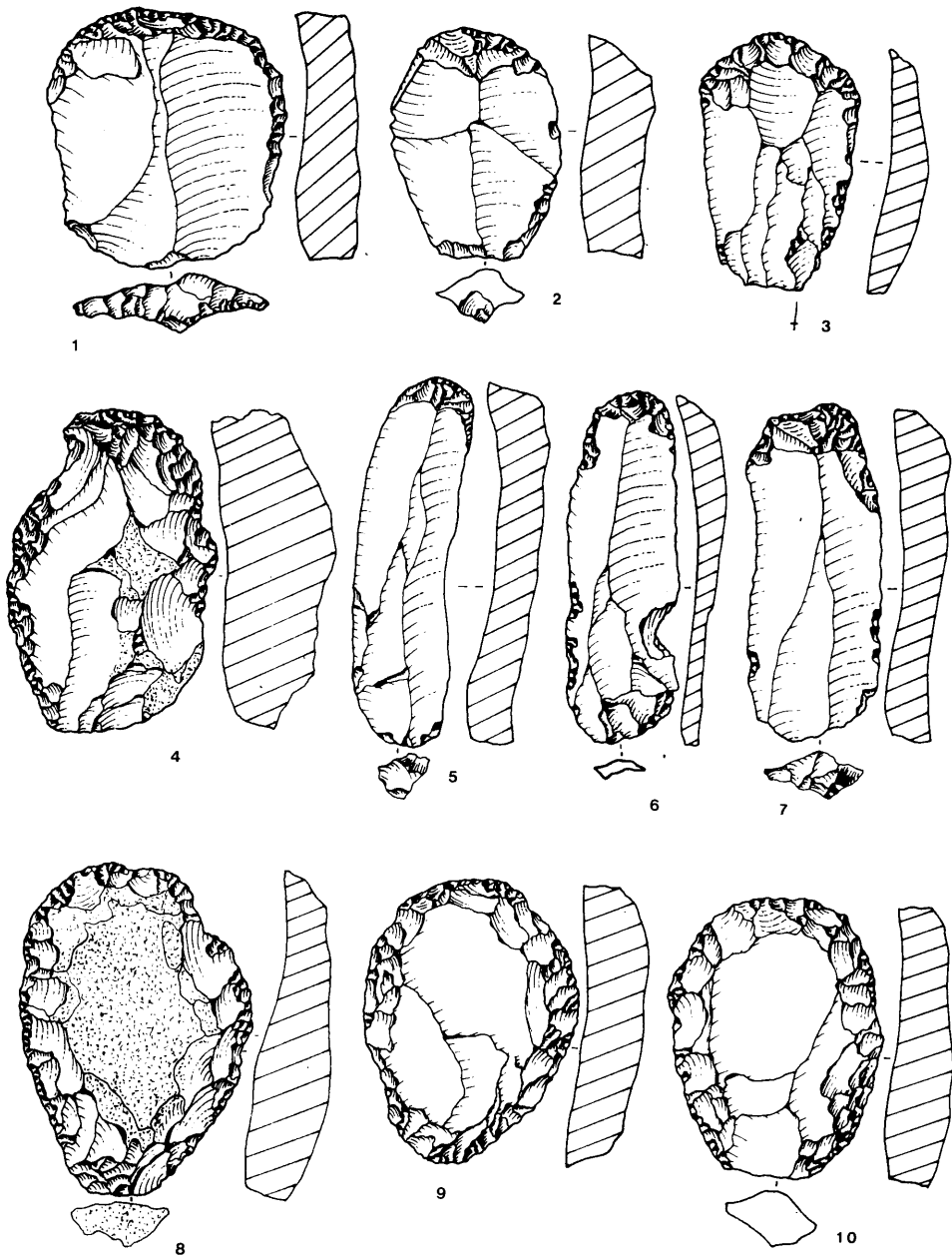


Plate 31 level XXII: 1, 2, 3, 5, 6 and 7. End-scraper. 4. Shouldered end-scraper. 8 and 10. End-scraper on a retouched flake. 9. Divers (circular scraper).

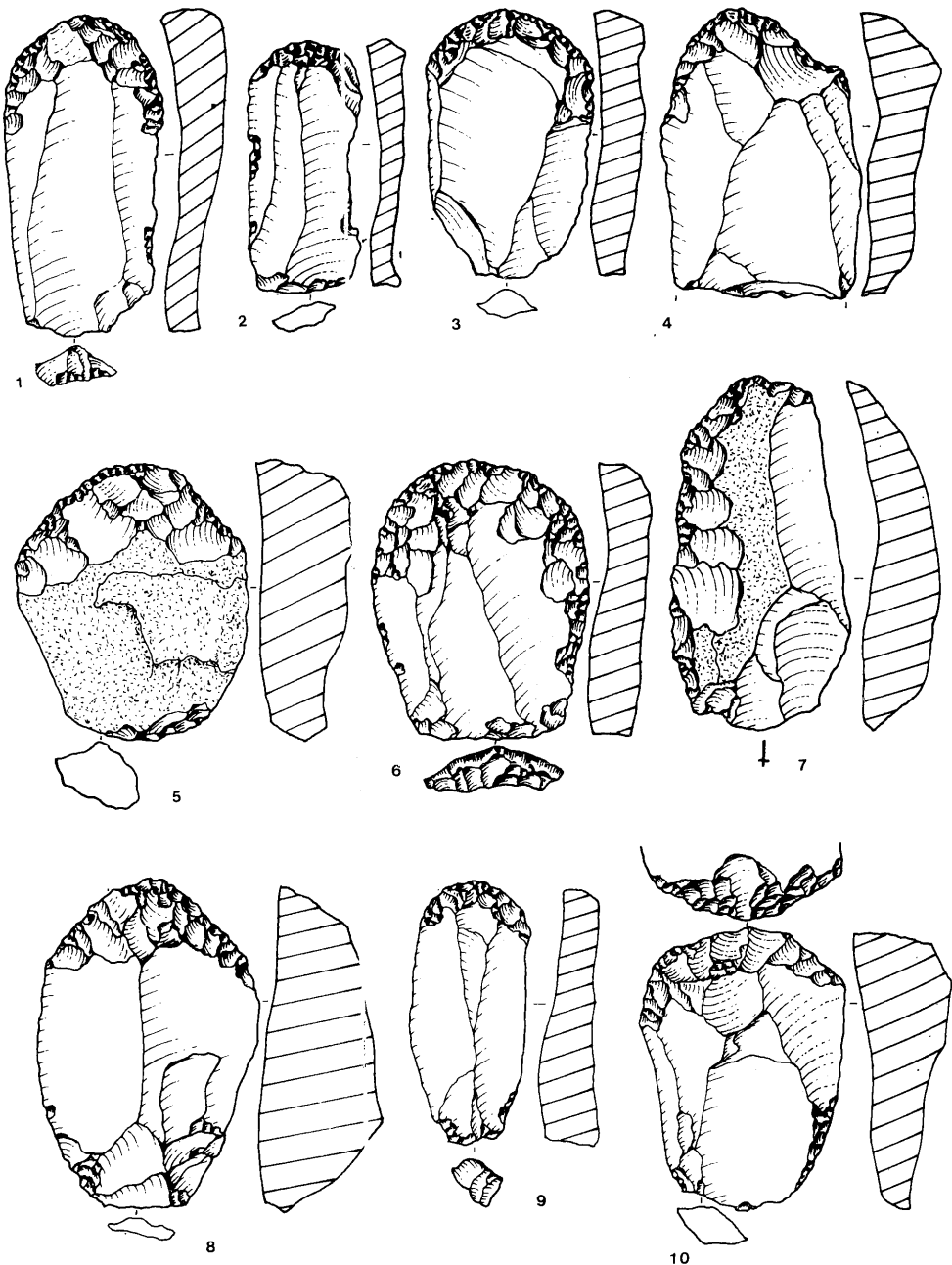


Plate 32 level XXII: 1, 2, 3, 5, 6, 9 and 10. End-scraper. 4. Shouldered end-scraper. 7. Side-scraper. 8. Ogival end-scraper.

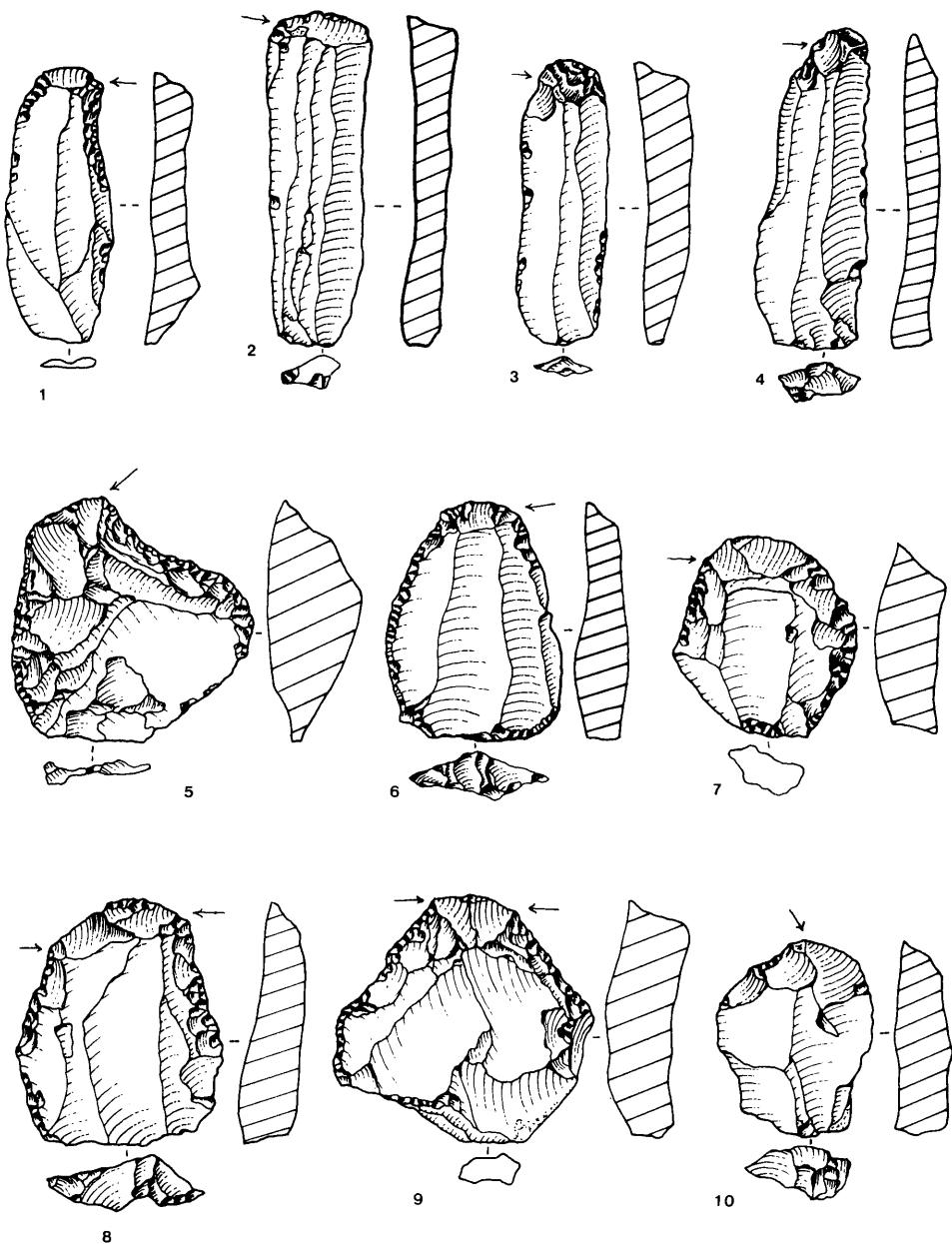


Plate 33 level XXII: 1, 2, 3, 6, 7 and 8. Chamfered piece on lateral preparation. 4, 9 and 10. Chamfered piece on an oblique retouched truncation. 5. Chamfered piece on a concave retouched truncation.

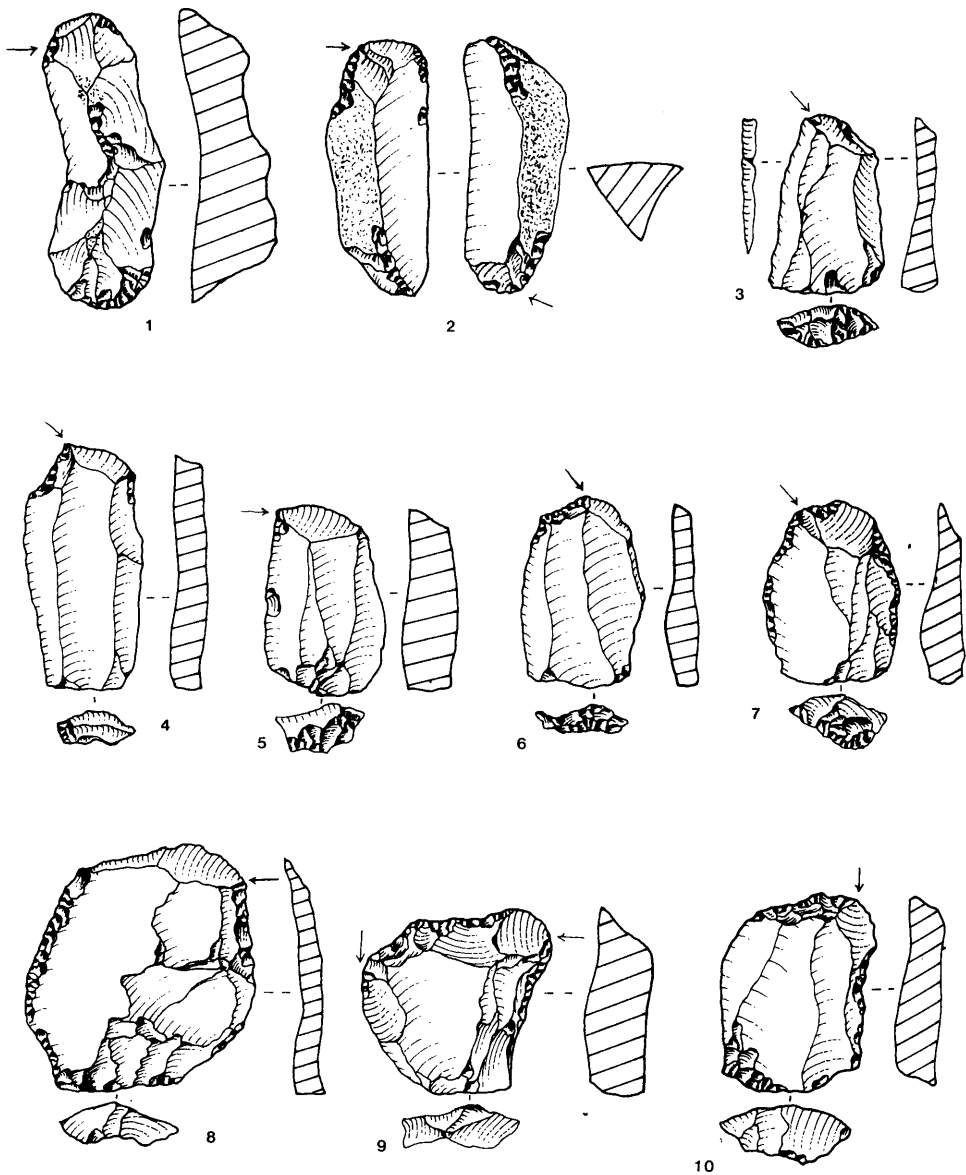


Plate 34 level XXII: 1. Chamfered piece on lateral preparation and end-scraper. 2 and 9. Multiple chamfered piece. 3, 5, 7 and 8. Chamfered piece on lateral preparation. 4, 6 and 10. Chamfered piece on an oblique retouched truncation.

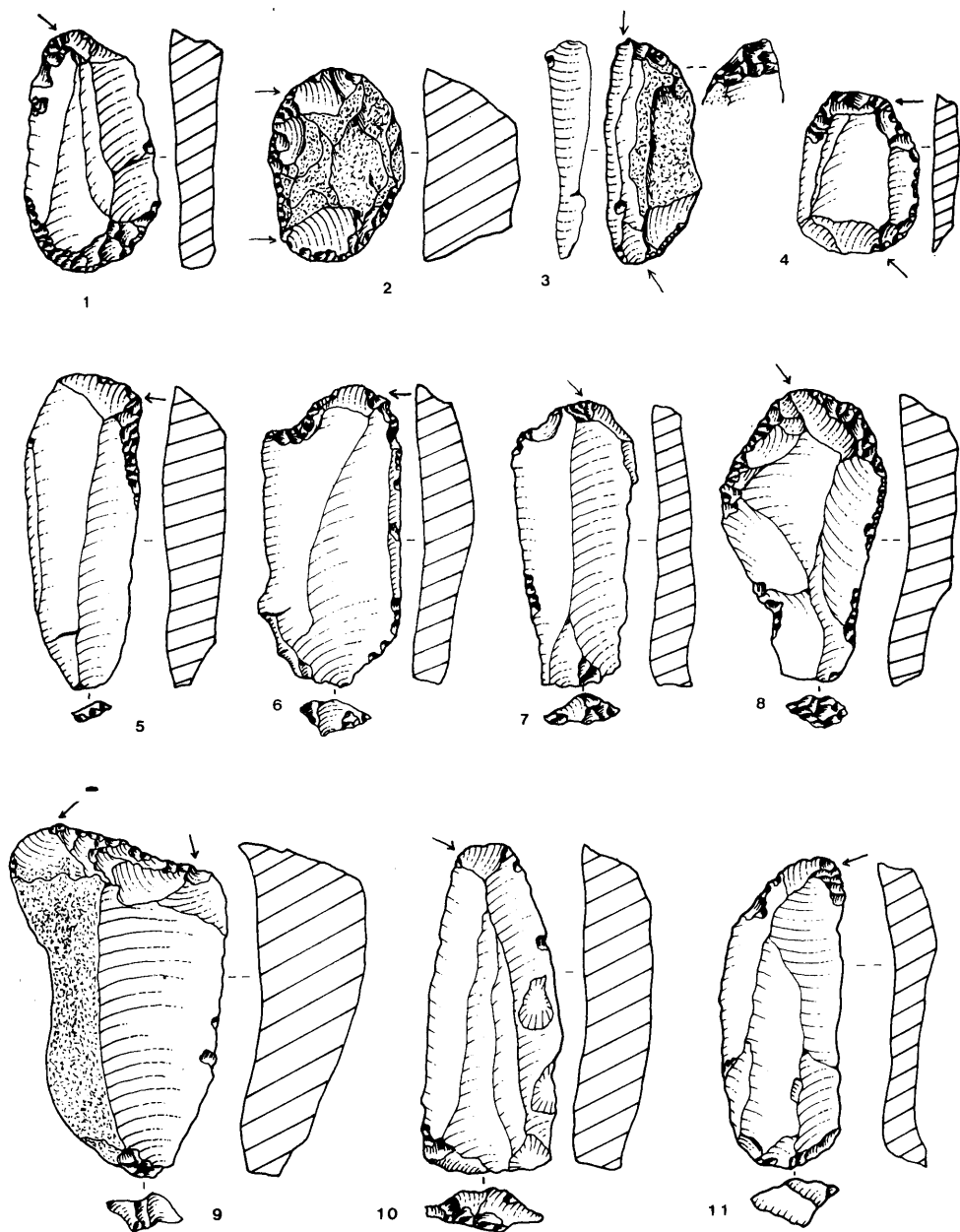


Plate 35 level XXII: 1. Chamfered piece on lateral preparation and end-scraper. 2, 4 and 9. Multiple chamfered piece. 3. Burin on a convex retouched truncation and chamfered piece on lateral preparation. 5, 6, 10 and 11. Chamfered piece on lateral preparation. 7. Chamfered piece on a convex retouched truncation. 8. Chamfered piece on an oblique retouched truncation.

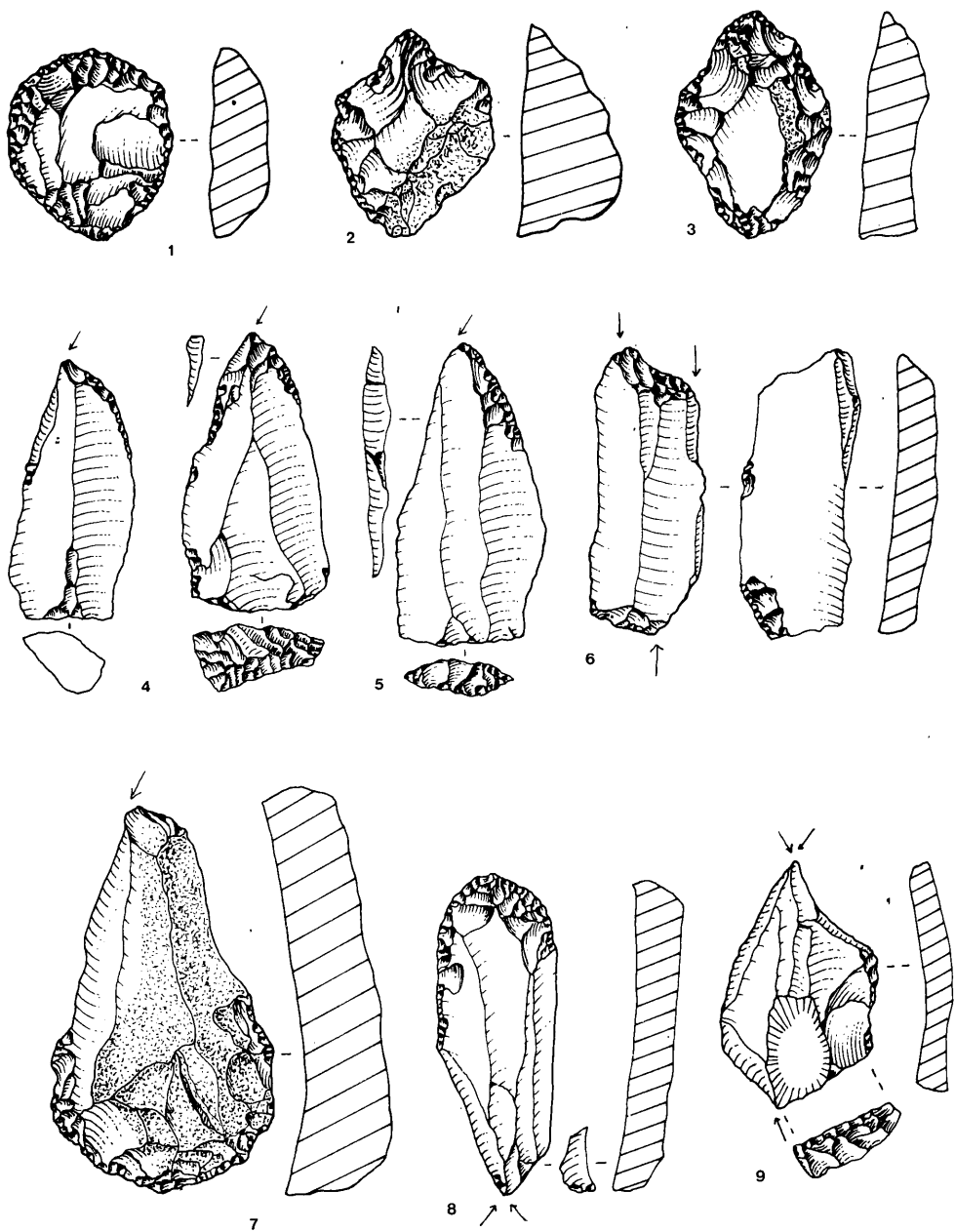


Plate 36 plate XXII: 1. Divers (circular scraper). 2. Thick-nosed end-scraper. 3. Double end-scraper. 4, 5 and 6. Burin on a convex retouched truncation. 7. Multiple truncation burin. 8 and 9. End-scraper and burin on an oblique retouched truncation. 1. Multiple mixed burin.

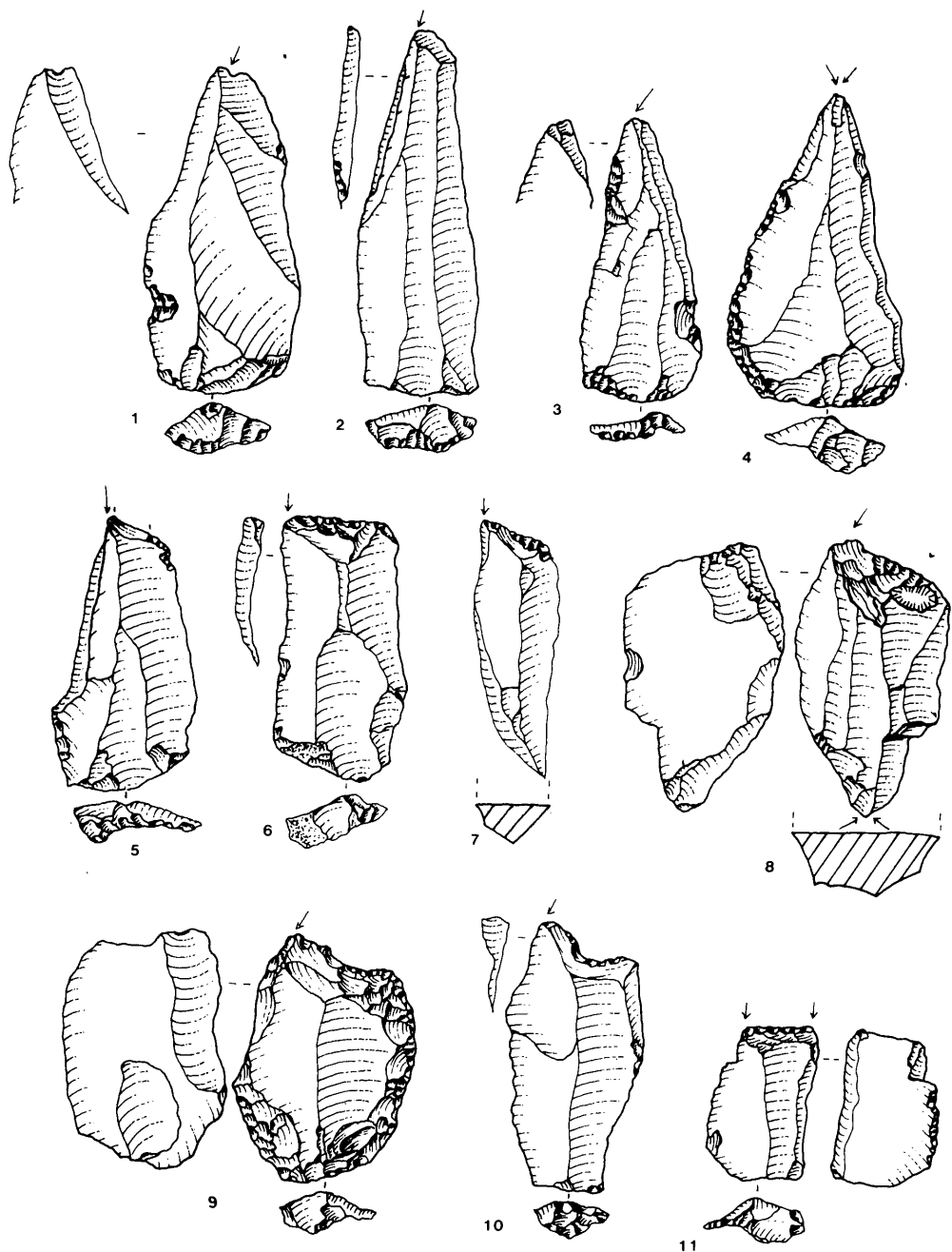


Plate 37 plate XXII: 1, 2 and 3. Dihedral asymmetrical burin. 4. Dihedral straight burin. 5. Dihedral angle burin on a break. 6. Burin on a straight retouched truncation. 7. Burin on an oblique retouched truncation. 8. Multiple mixed burin. 9 and 10. Burin on a concave retouched truncation. 11. Multiple truncation burin.

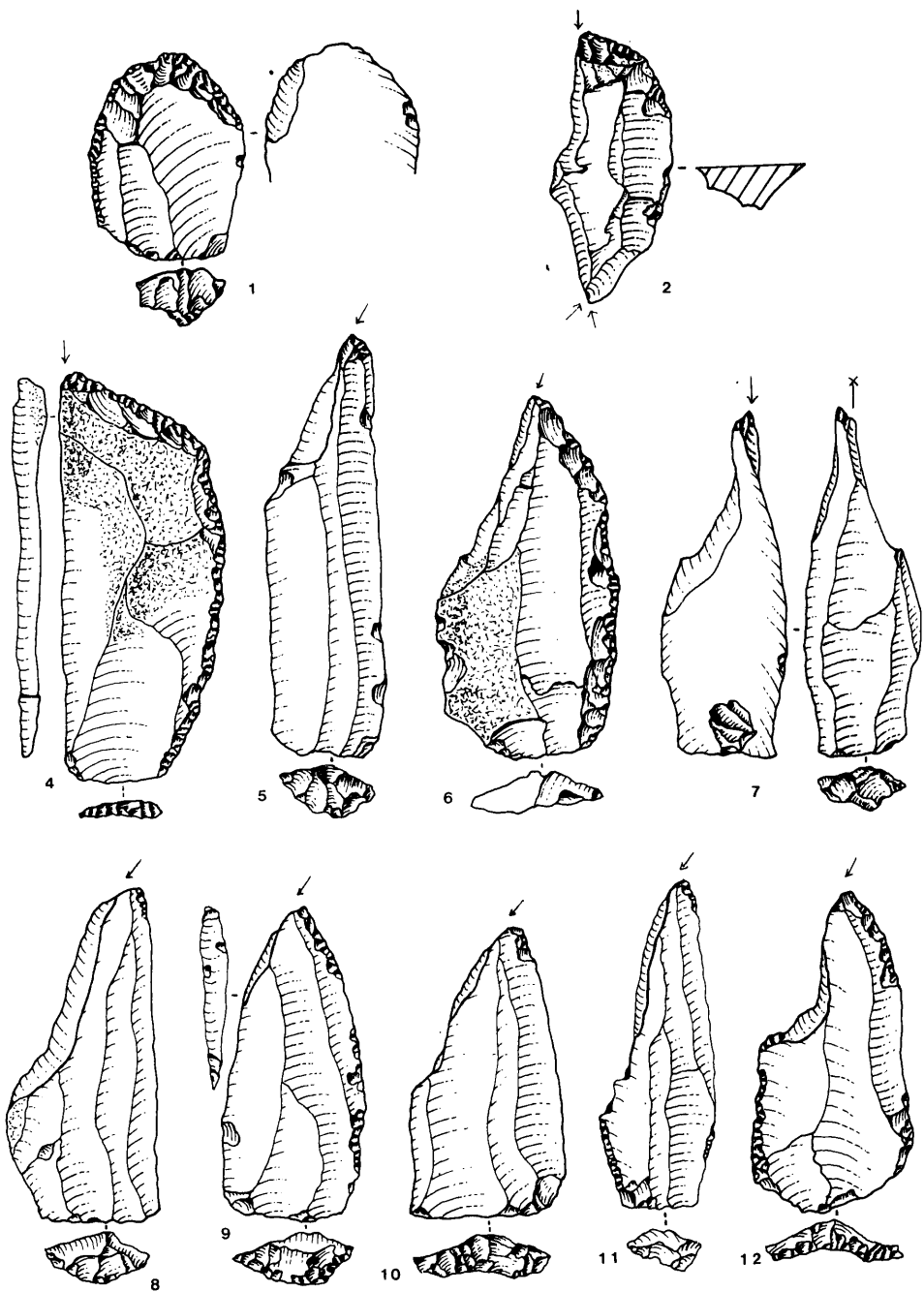


Plate 38 level XXII: 1. End-scraper. 2. Multiple mixed burin. 3, 4, 5 and 6. Burin on an oblique retouched truncation. 7, 8, 9 and 10. Burin on a lateral preparation. 11. Burin on a convex retouched truncation. 12. Burin on a lateral preparation.

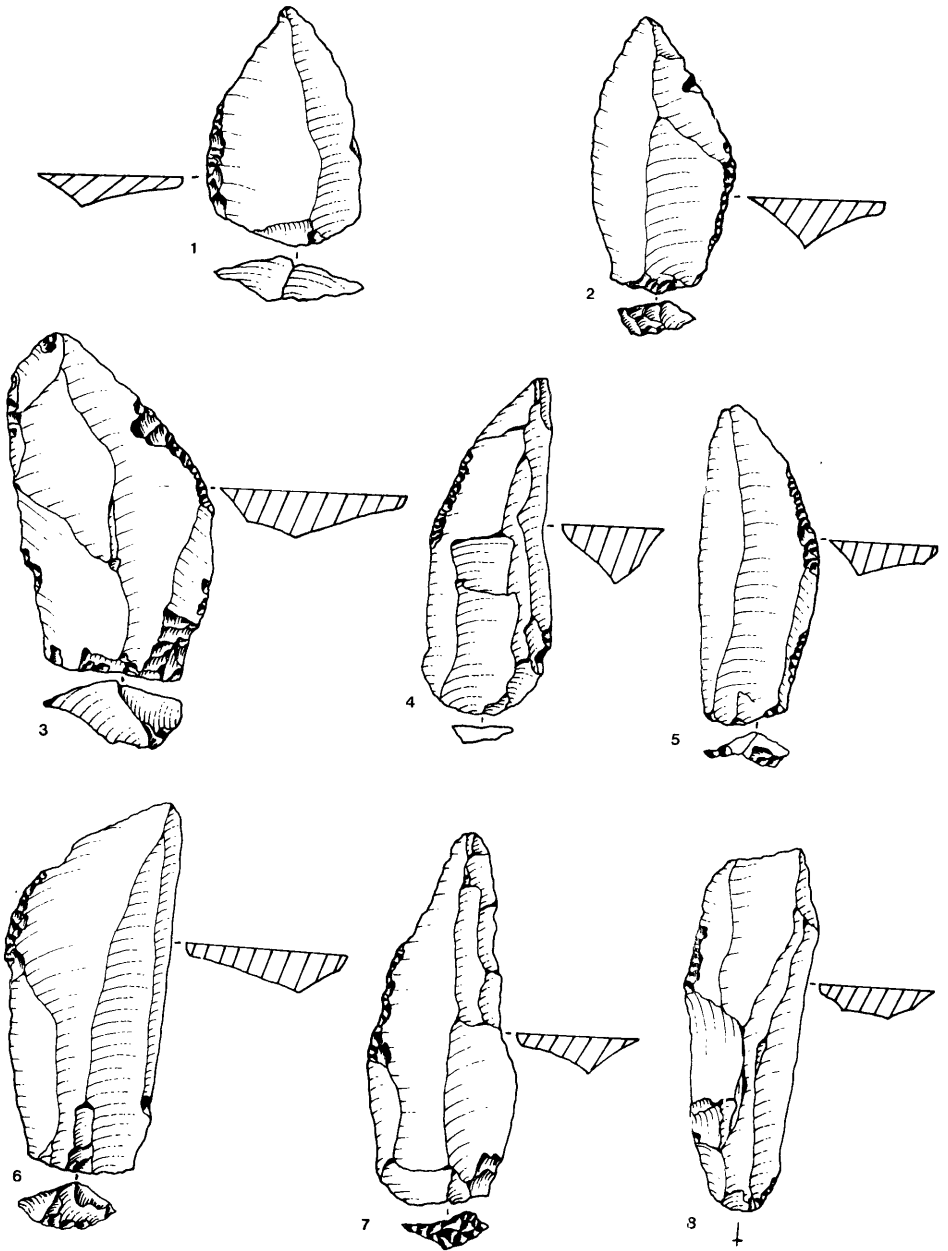


Plate 39 level XXII: 1, 2, 3, 4, 5, 6, 7 and 8. Partially backed piece.

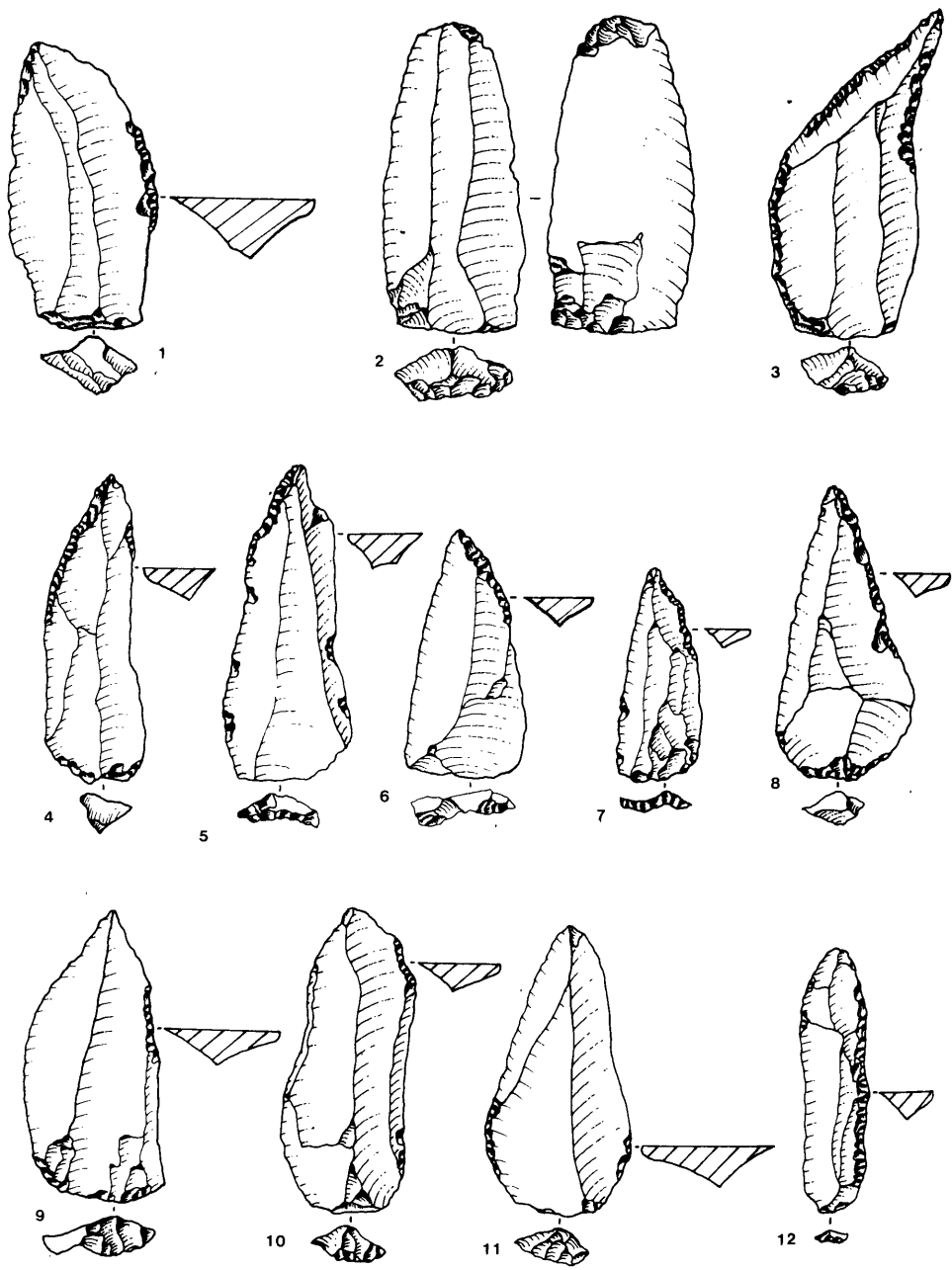


Plate 40 level XXII: 1, 4, 5, 6, 7, 8, 9, 10, 11 and 12. Partially backed piece. 2. Splintered piece. 3. Piercer.

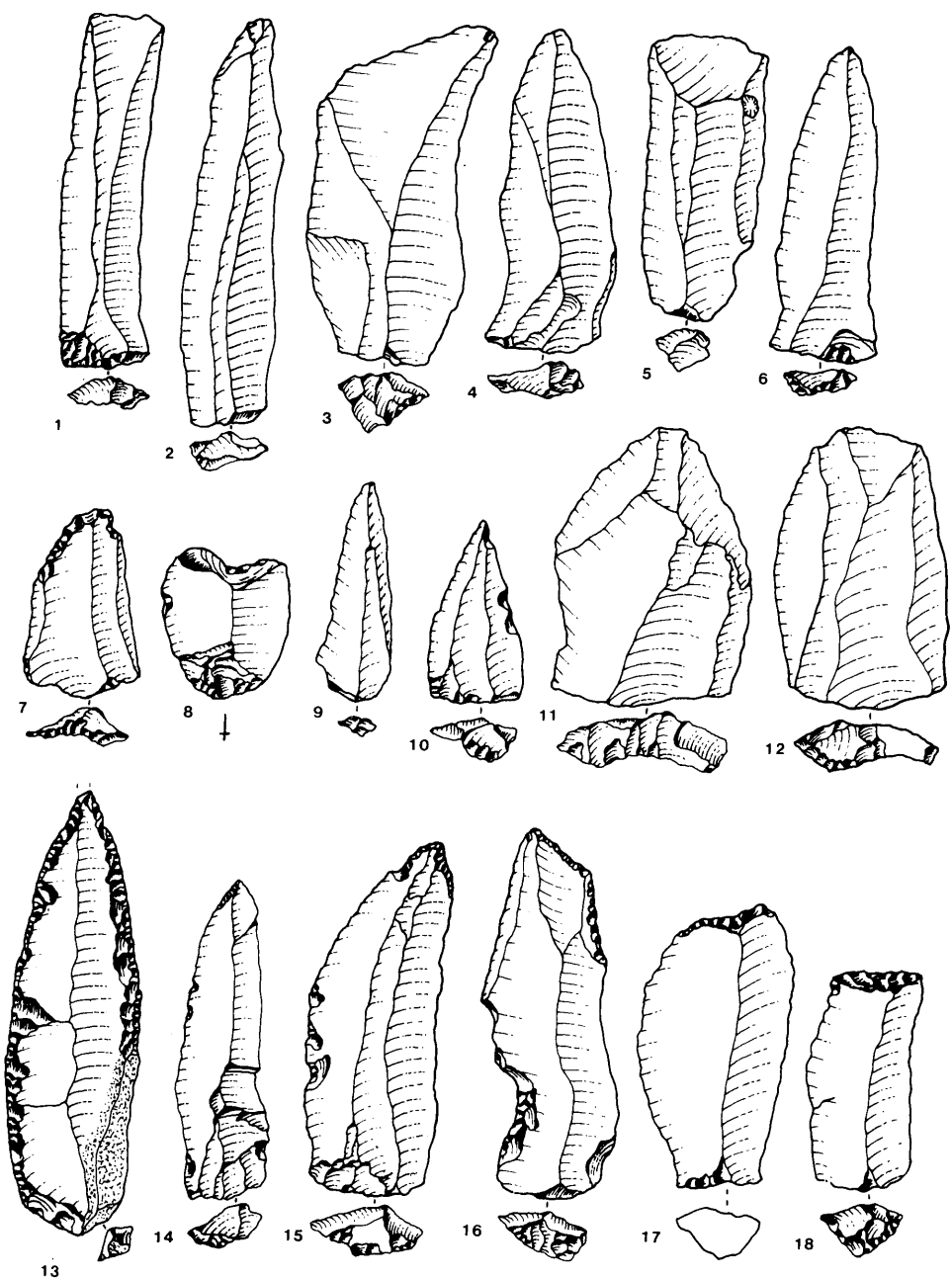


Plate 41 level XXII: 1, 2, 3, 4, 5 and 6. Levallois blade. 7. Convex retouched truncation. 8 and 17. Concave retouched truncation. 9 and 10. Levallois point. 11 and 12. Levallois flake. 13. Divers (mousterian point). 14 and 15. Blade pointed by retouch. 16. Oblique retouched truncation. 18. Straight retouched truncation.

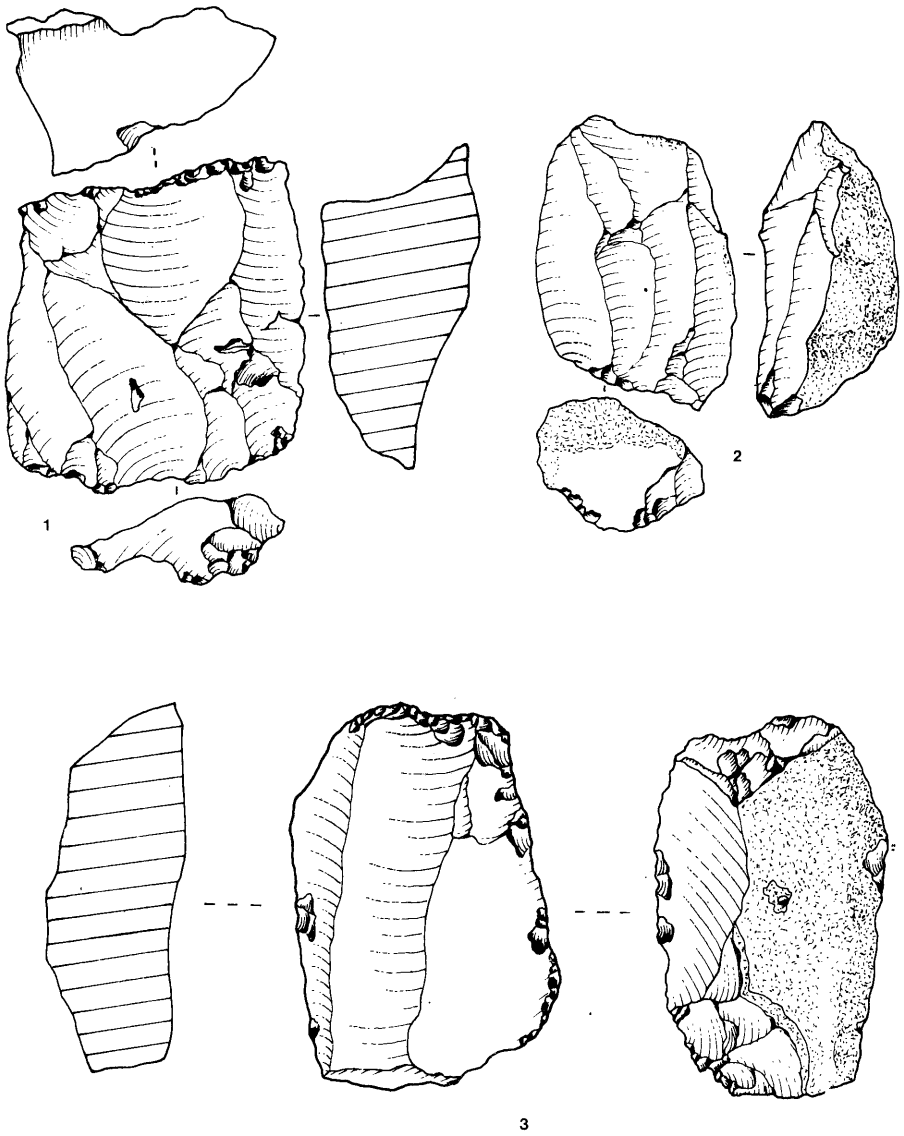


Plate 42 level XXII: 1, 2 and 3. Levallois blade core.

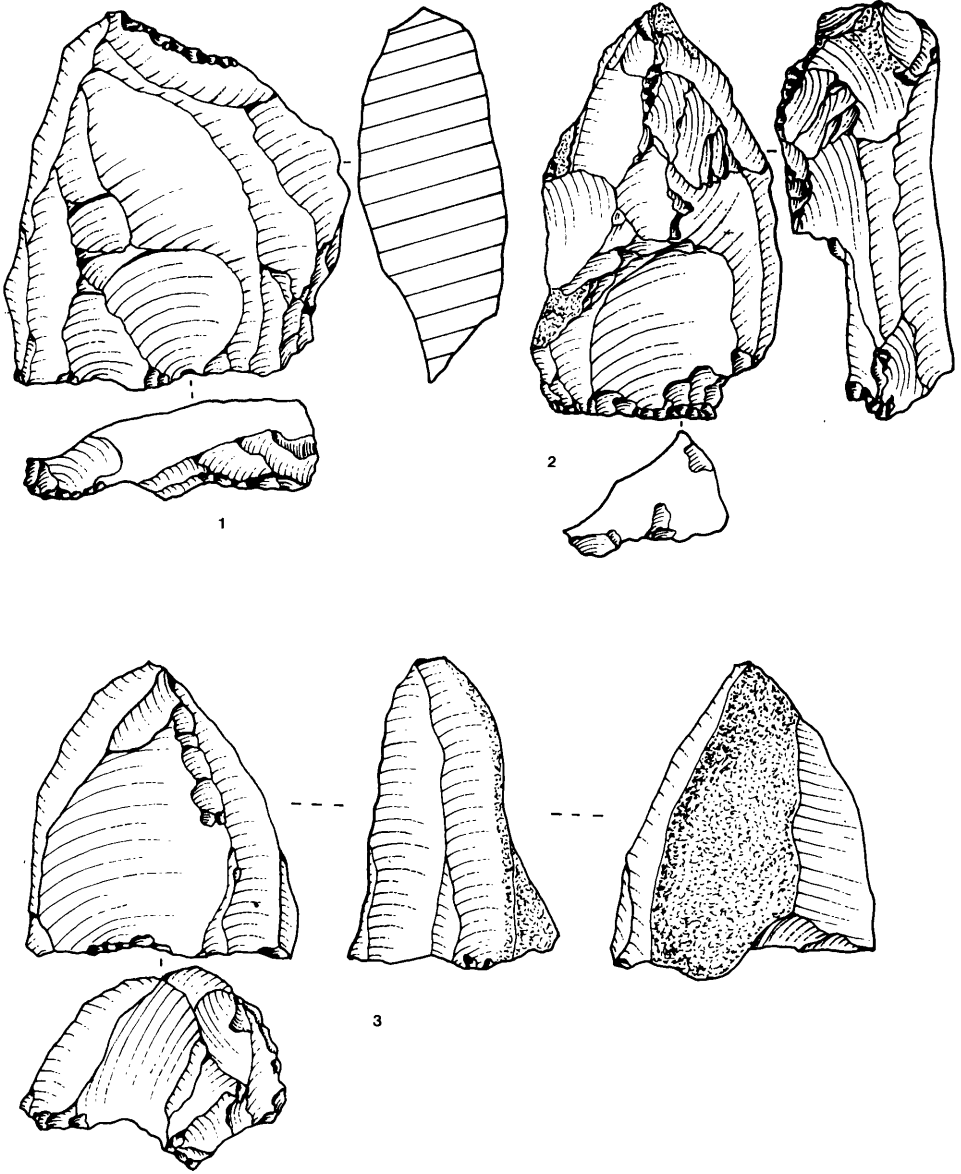


Plate 43 level XXII: 1, 2 and 3. Levallois point core.

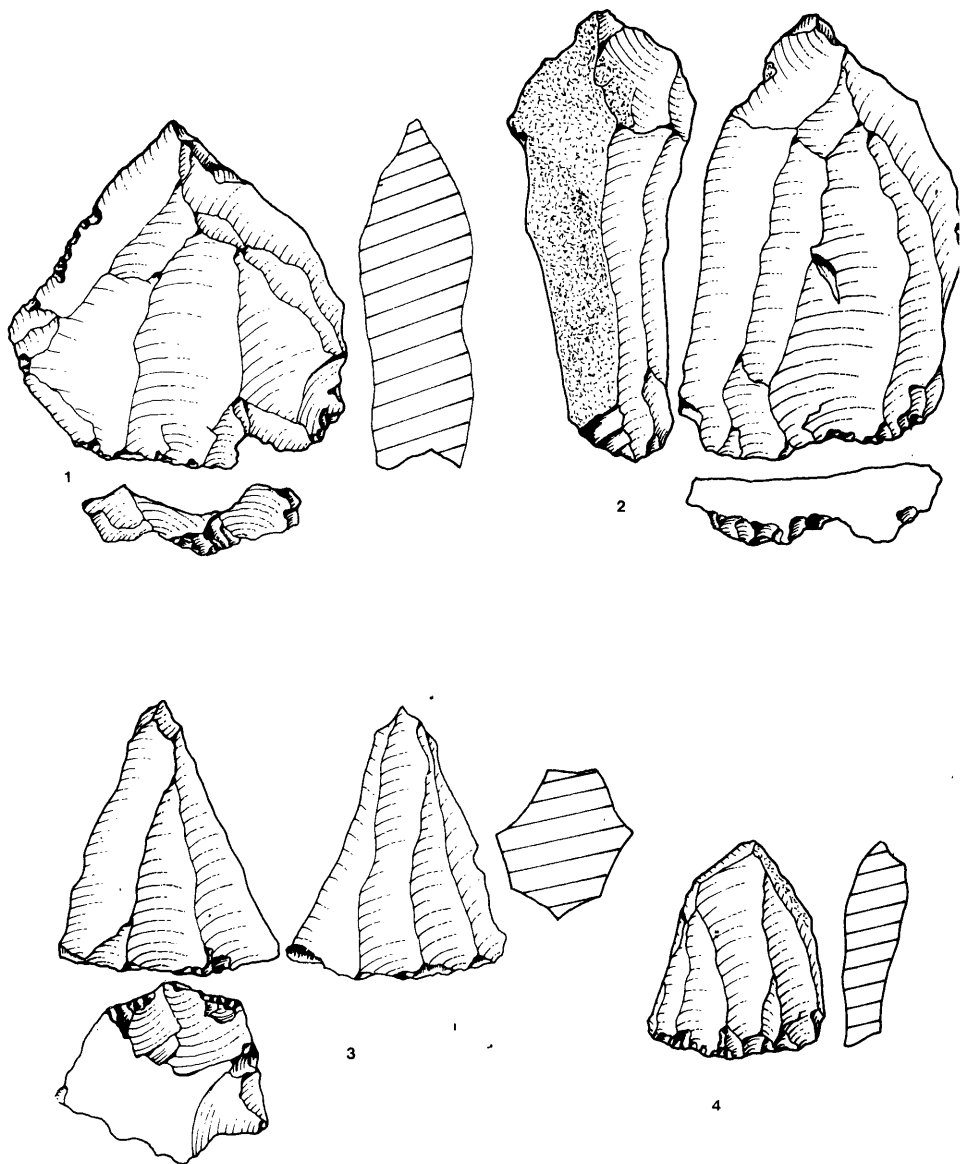


Plate 44 level XXII: 1, 2 and 4. Levallois point core. 3. Pyramidal core.

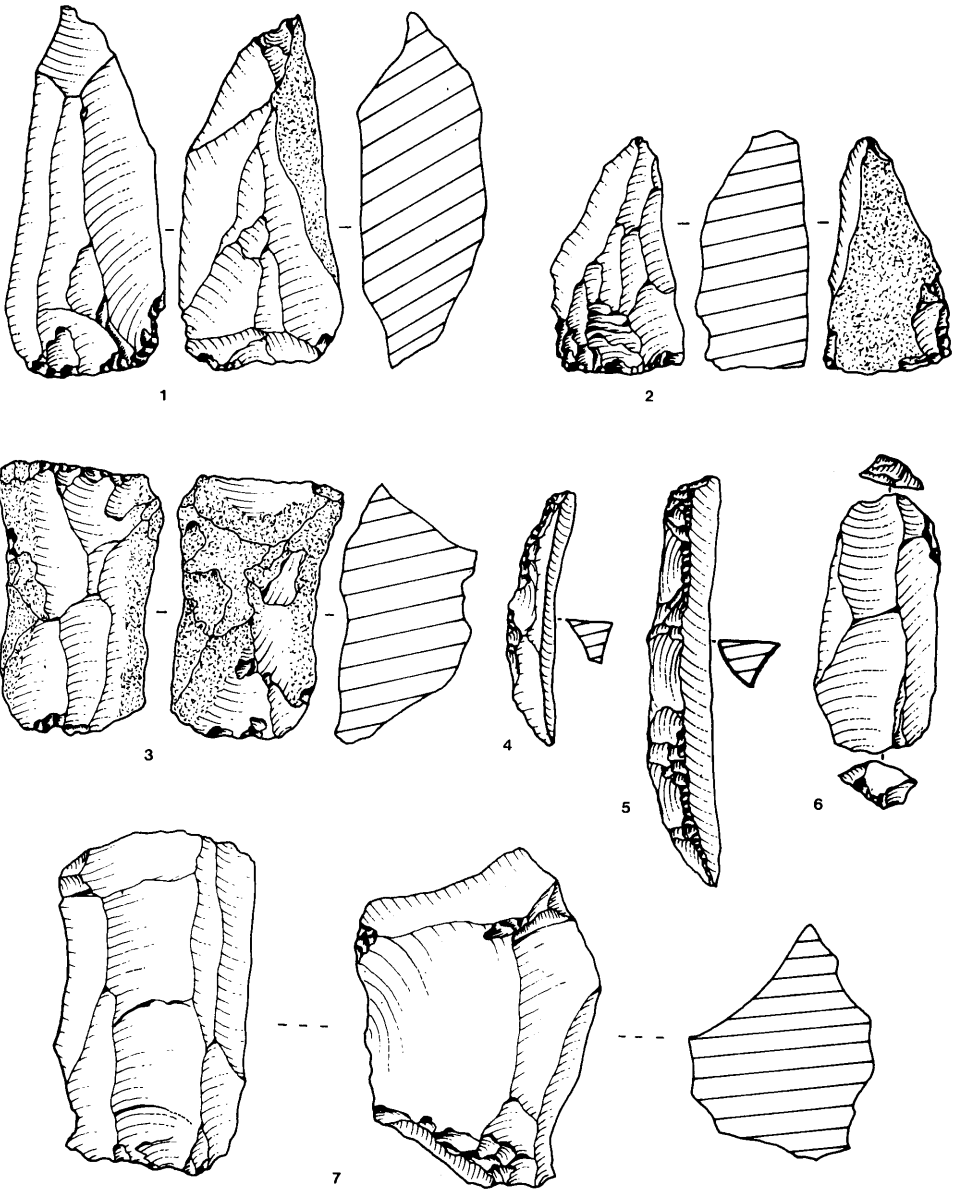


Plate 45 level XXII: 1. Levallois blade core. 2. Pyramidal core. 3. Andt. prismatic blade core with two platforms. 4. Burin spall with dorsal preparation. 5. Unifacial crested blade. 6. Plunging blade.

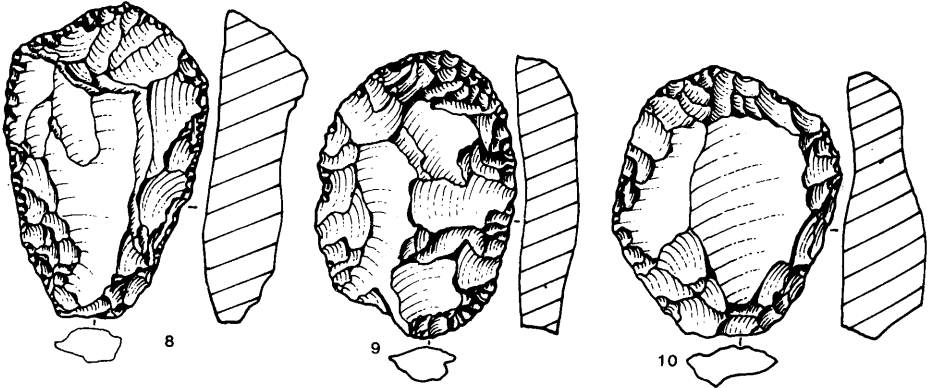
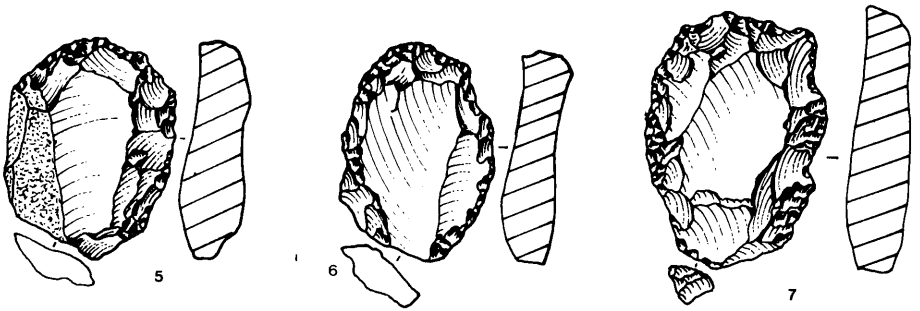
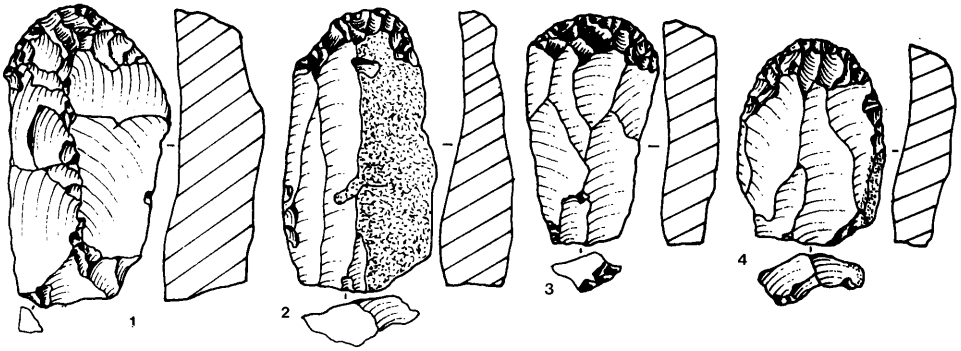


Plate 46 level XXI: 1, 3 and 4. End-scraper. 2. Shouldered end-scraper. 5, 6, 7, 8, 9 and 10. End-scraper on a retouched flake.

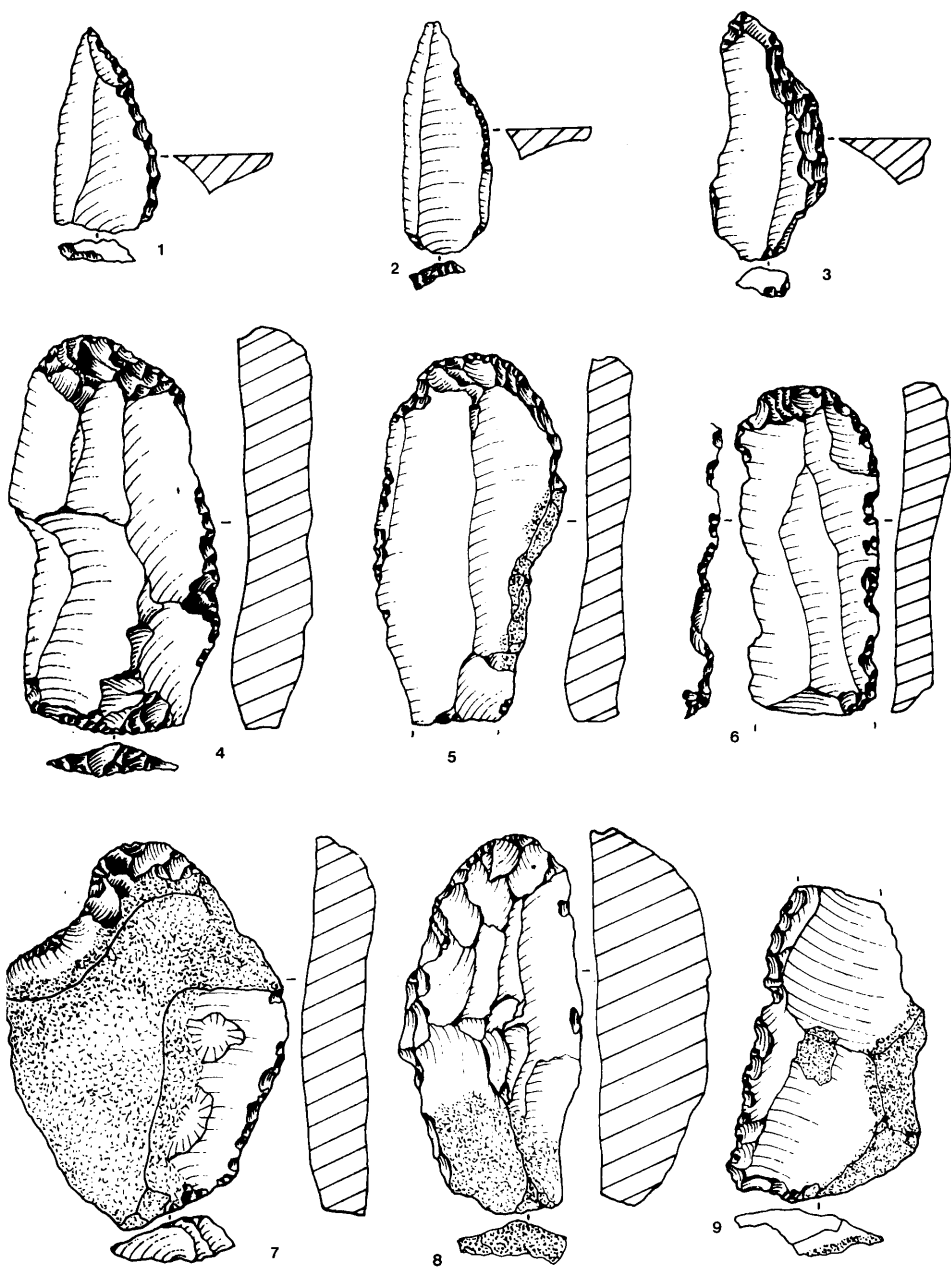


Plate 47 level XXI: 1, 2 and 3. Partially backed piece. 4 and 8. End-scraper. 5, 6 and 7. Shouldered end-scraper. 9. Denticulated piece.

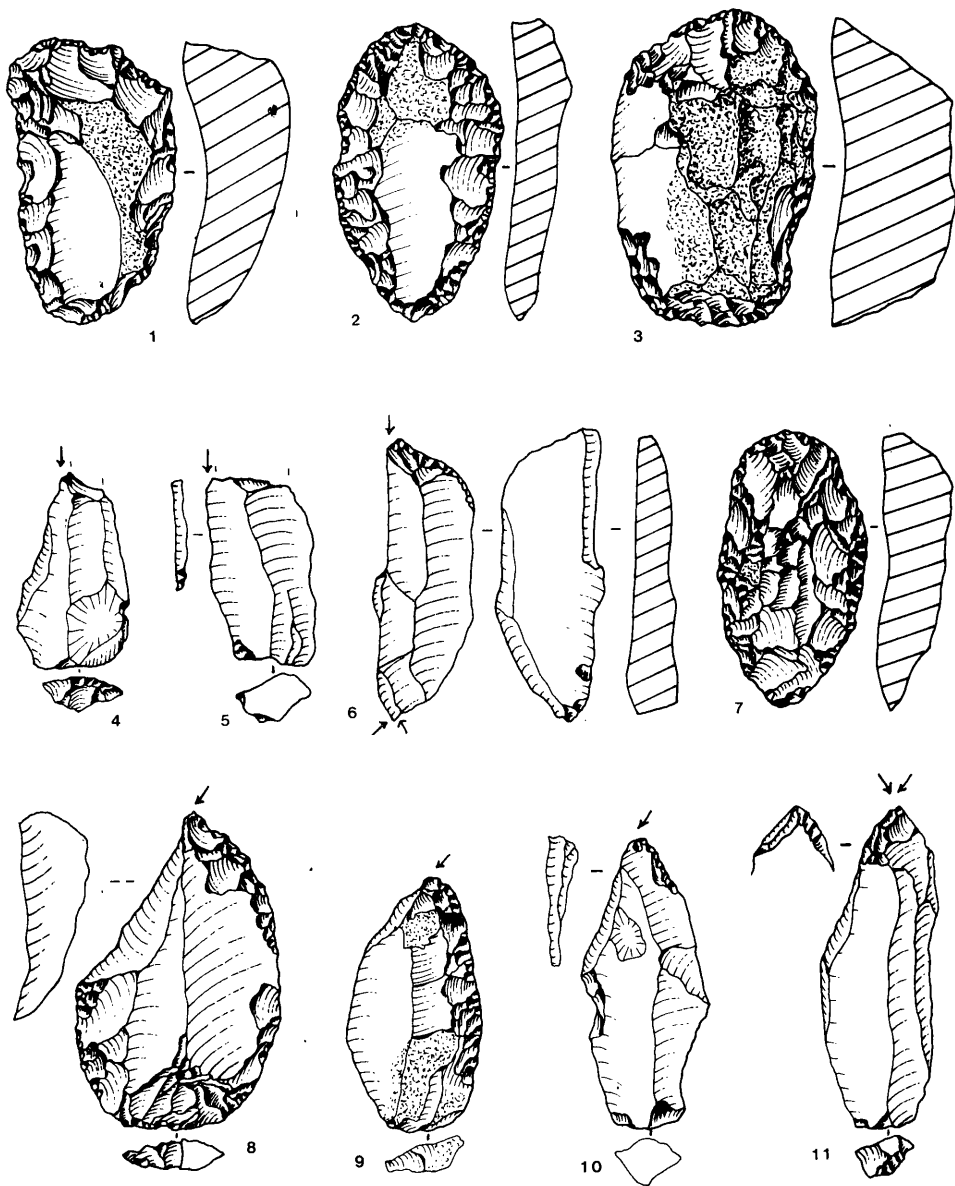


Plate 48 level XXI: 1, 2, 3 and 7. Double end-scrapers. 4 and 5. Dihedral burin on a break. 6. Multiple mixed burin. 8. Burin on a convex retouched truncation. 9 and 10. Burin on a lateral preparation. 11. Dihedral straight burin.

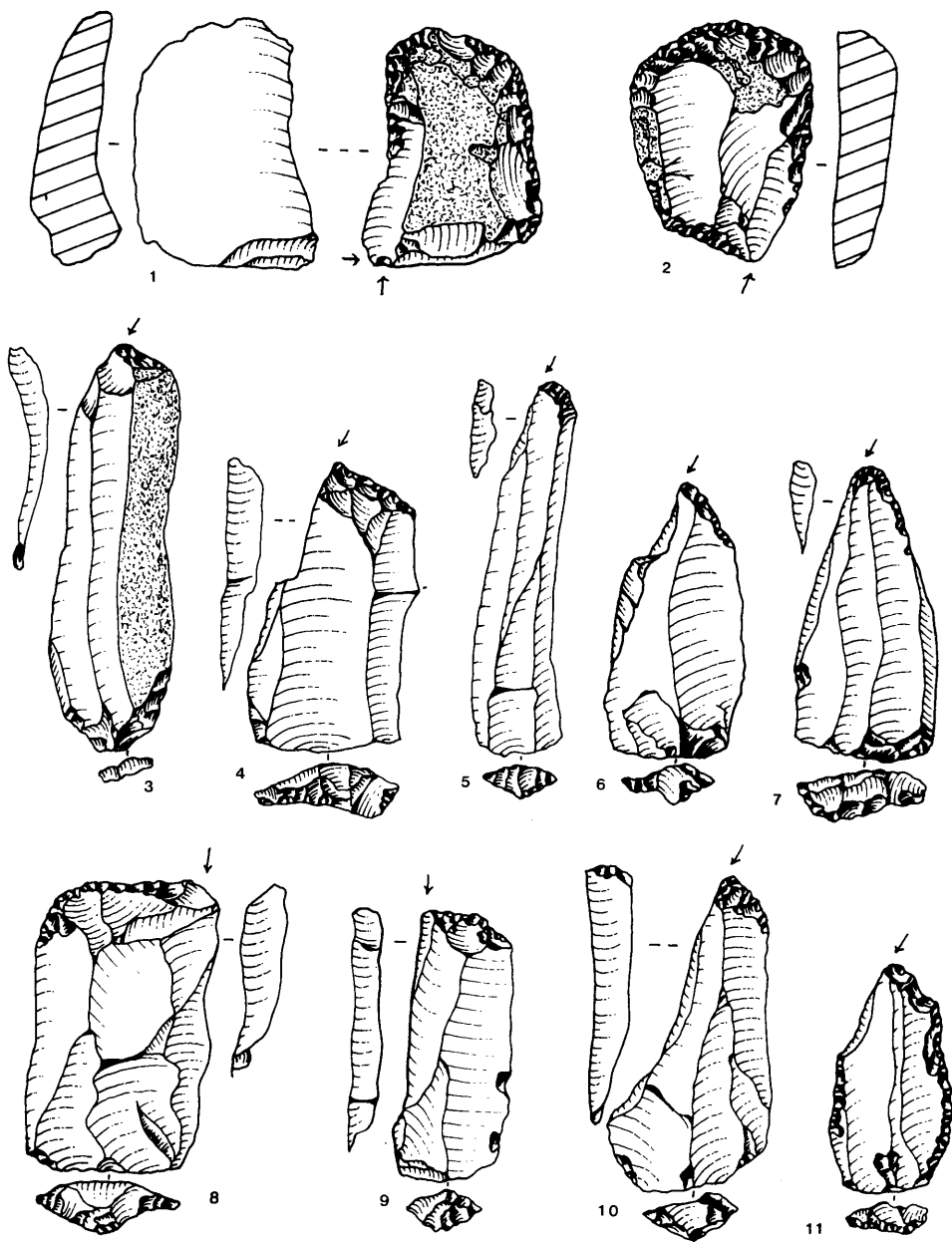


Plate 49 level XXI: 1. End-scraaper and dihedral angle burin. 2. End-scraaper and burin on an oblique retouched truncation. 3, 4, 6, 10 and 11. Burin on an oblique truncation. 5, 7 and 9. Burin on a convex retouched truncation.

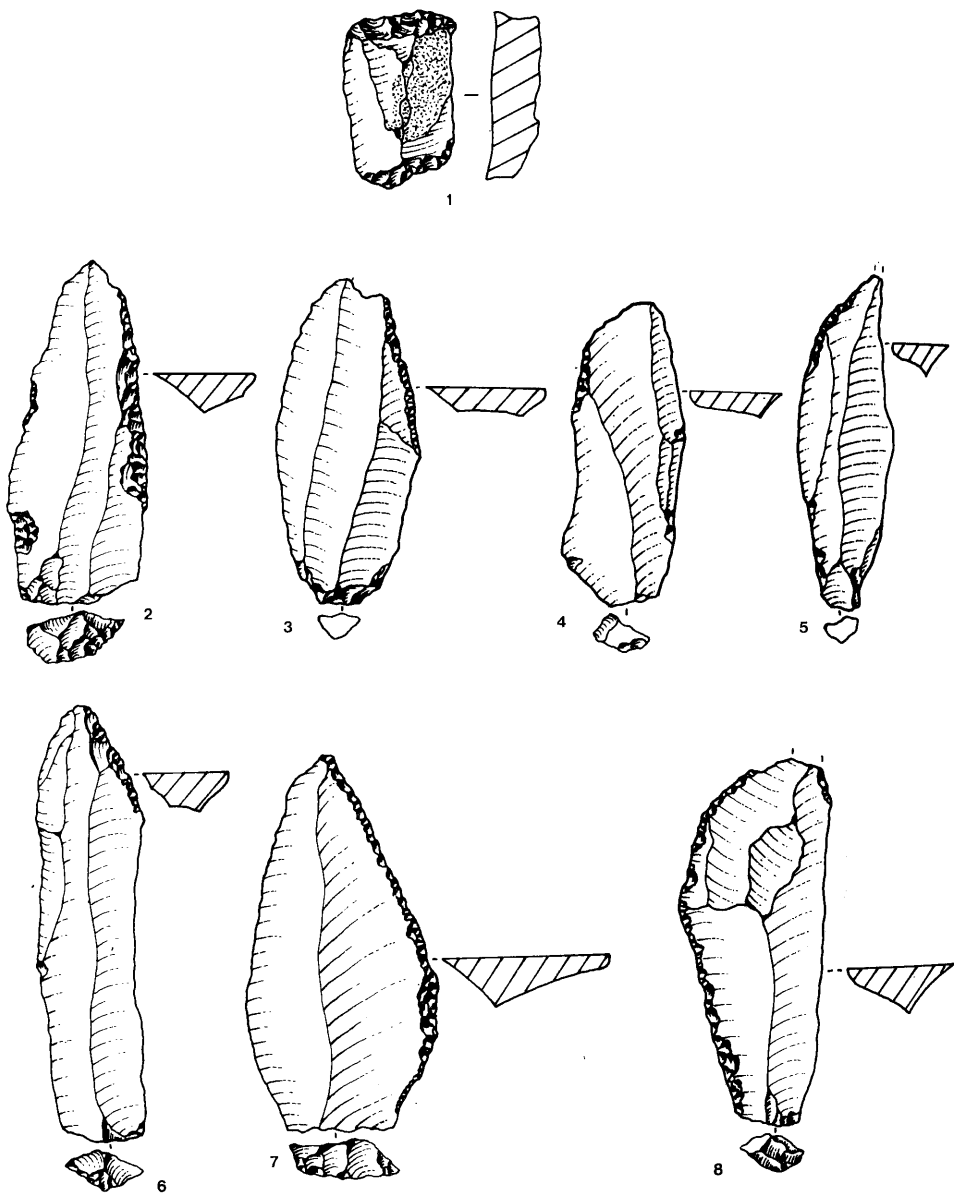


Plate 50 level XXI: 1. Double truncation. 2, 3, 4, 5 and 6. Partially backed piece. 7 and 8. Backed piece.

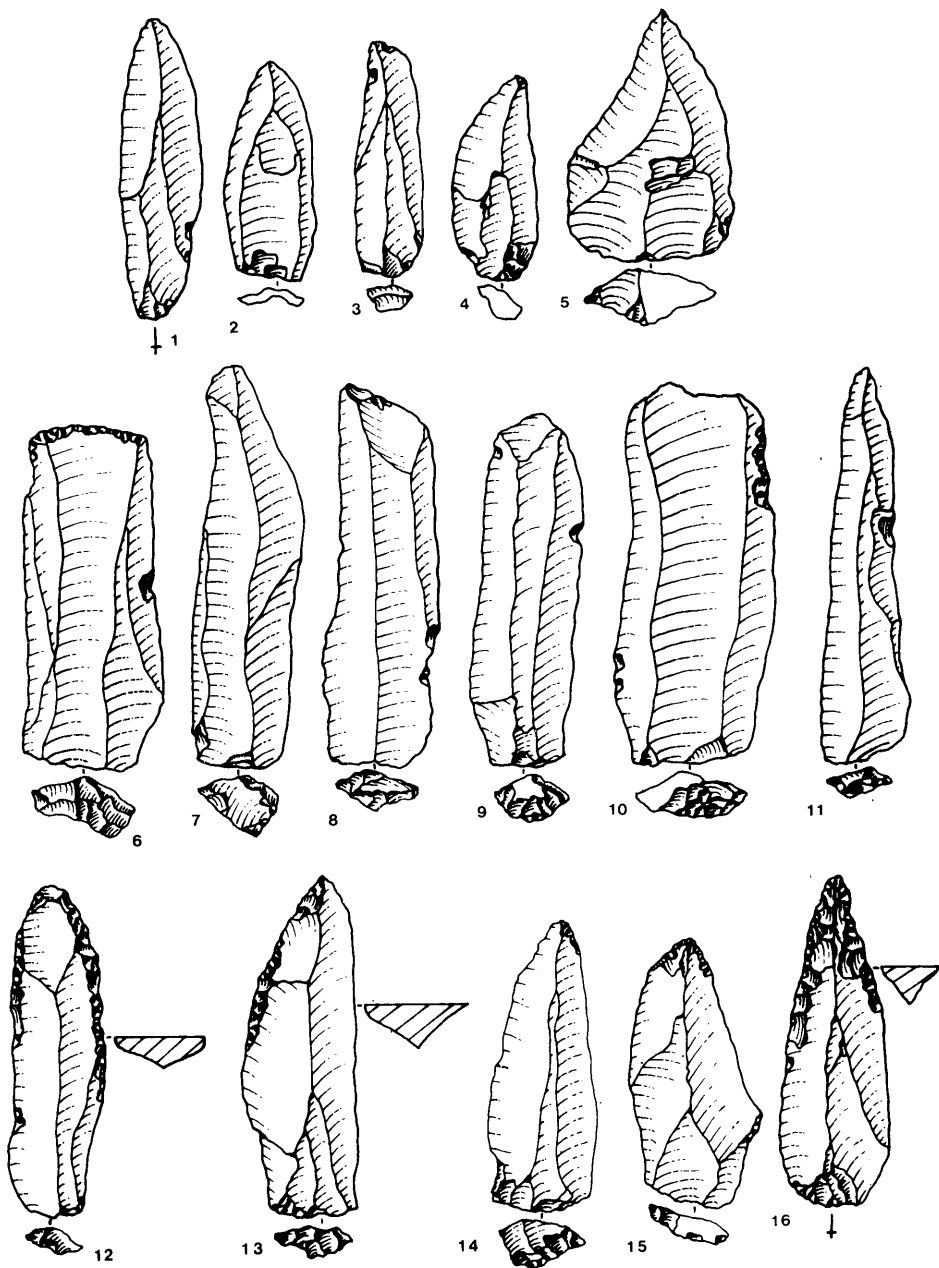


Plate 51 level XXI: 1, 2 and 4. Blade. 5. Levallois point. 3, 7, 8, 9, 10 and 11. Levallois blade. 6. Straight retouched truncation. 12. Double partially backed piece. 13. Partially backed piece. 14 and 15. Blade pointed by retouch. 16. Pointe à face plane.

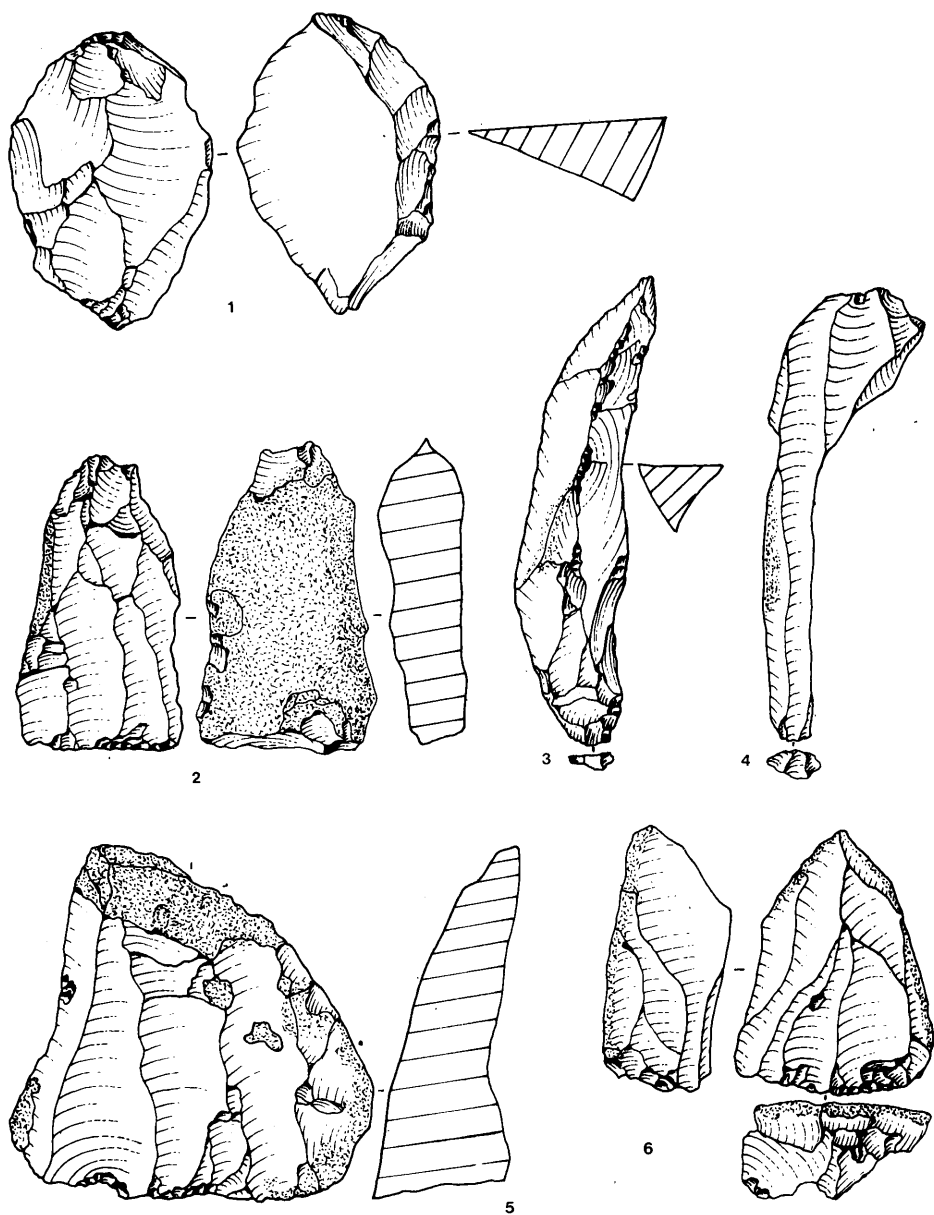


Plate 52 level XXI: 1. Core tablet. 2 and 5. Levallois blade core. 3. Bifacial crested blade. 4. Plunging blade. 6. Levallois point core.

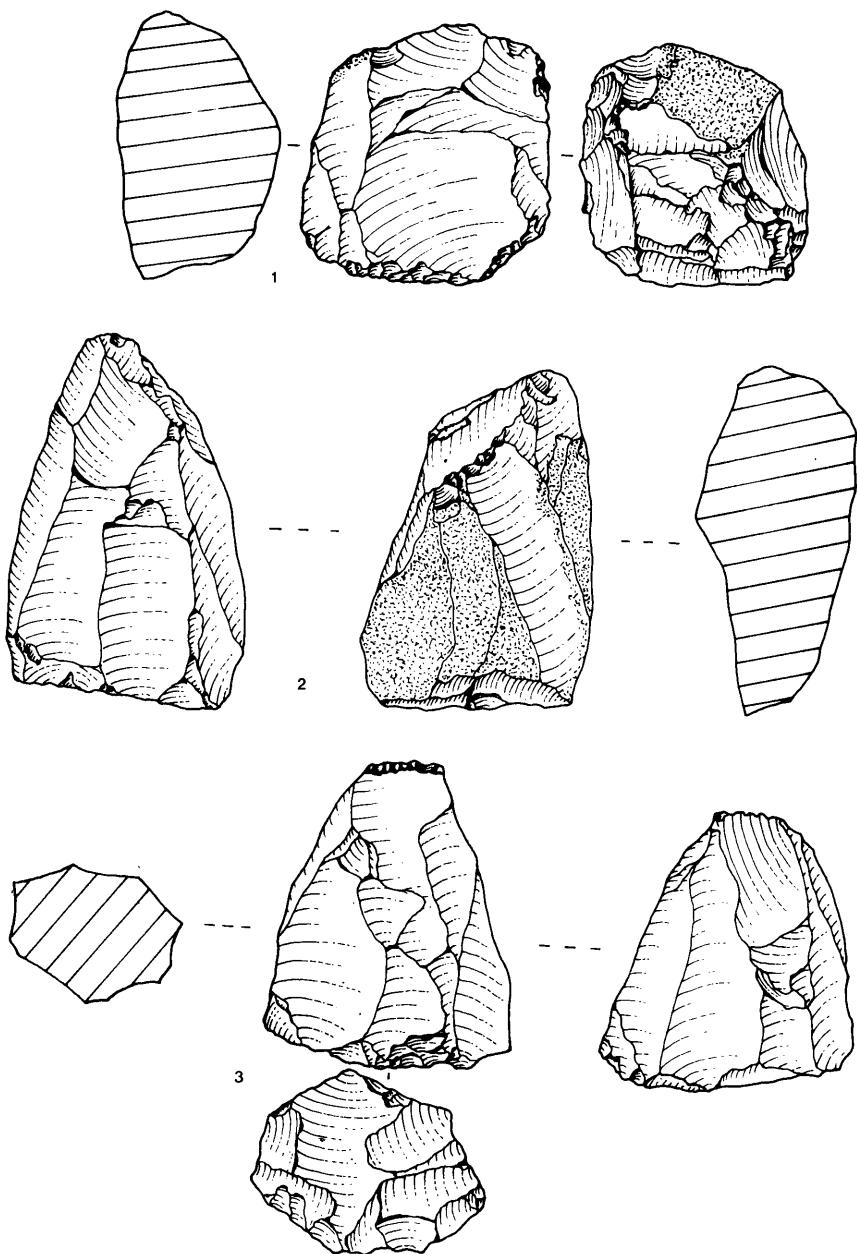


Plate 53 level XXI: 1. Levallois flake core. 2. Prismatic blade core with two platforms. 3. Pyramidal blade core.

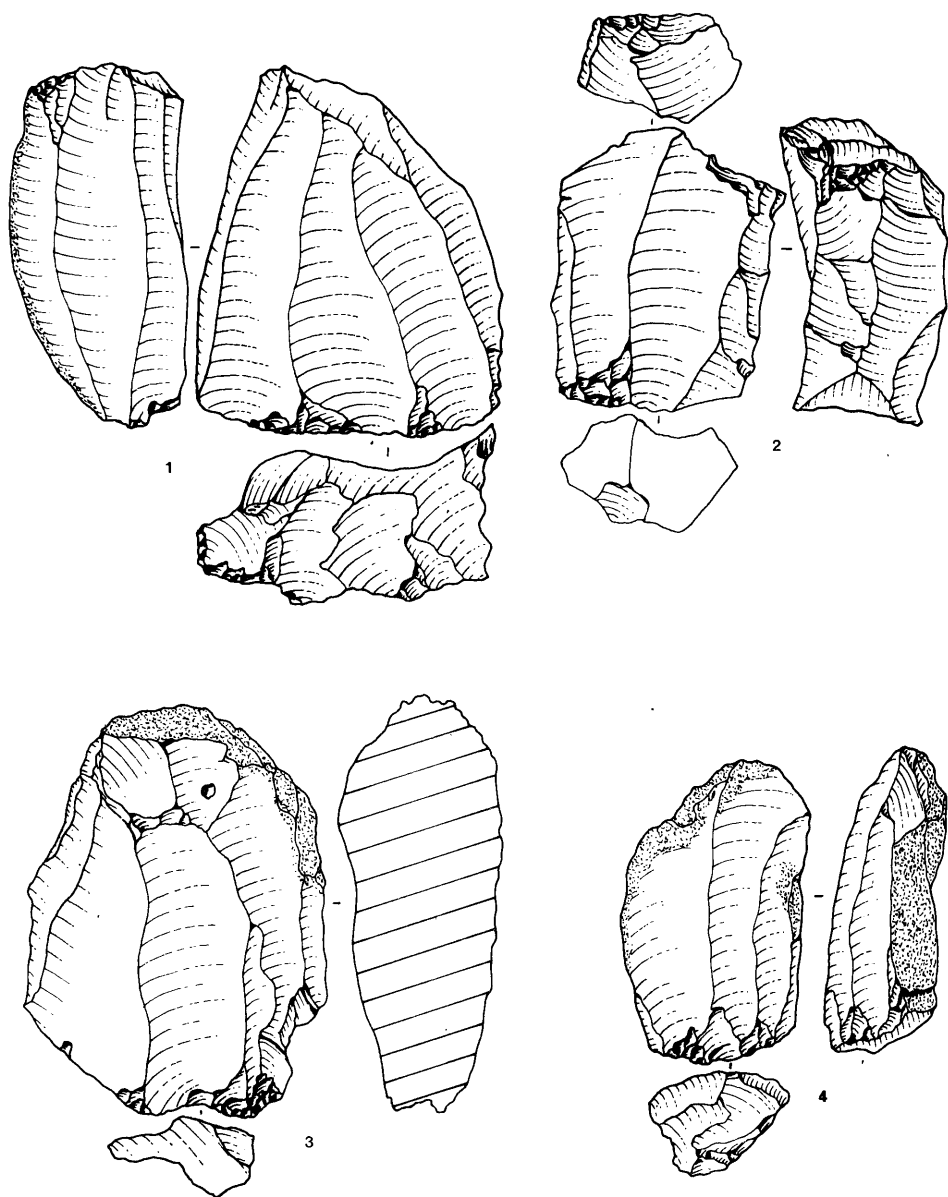


Plate 54 level XXI: 1, 2, 3 and 4. Levallois blade core.

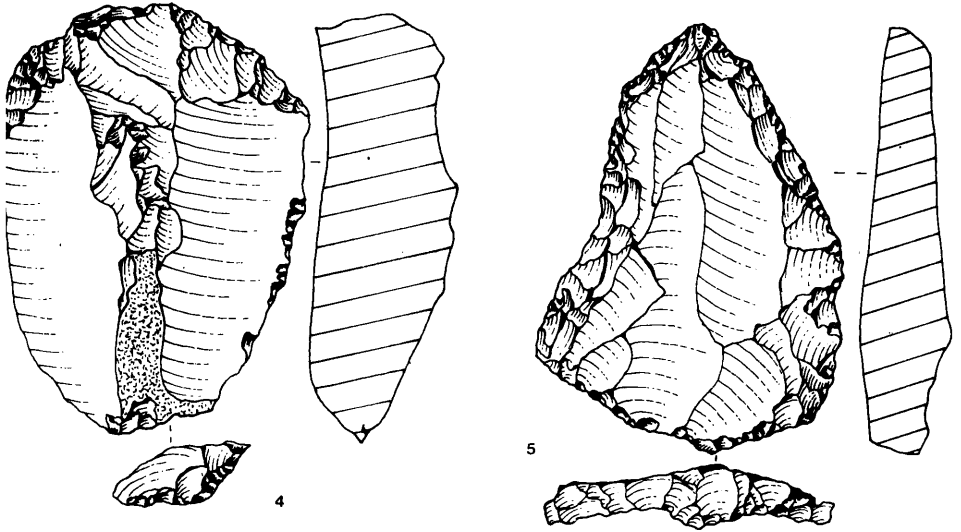
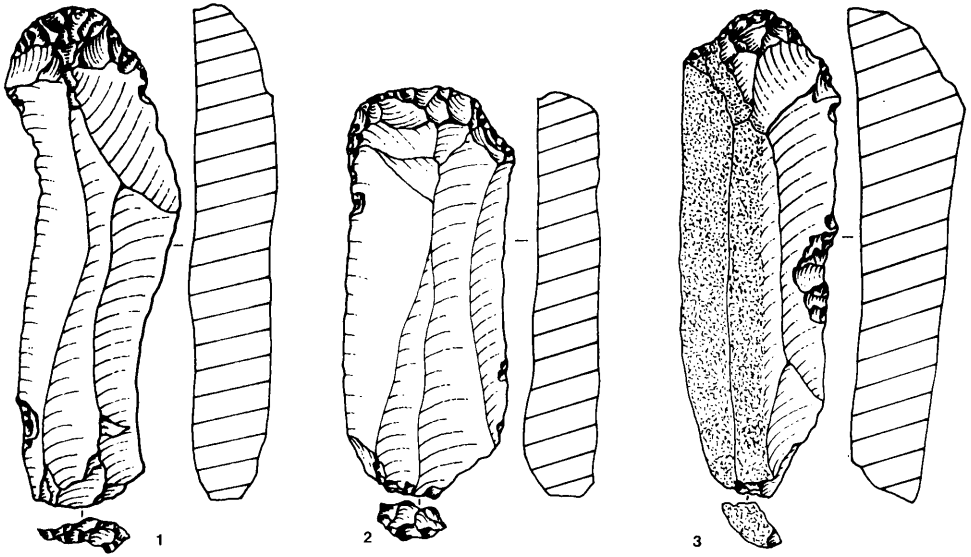


Plate 55 level XX: 1, 2 and 4. End-scraper. 3. Thick-nosed end-scraper. 5. Side-scraper.

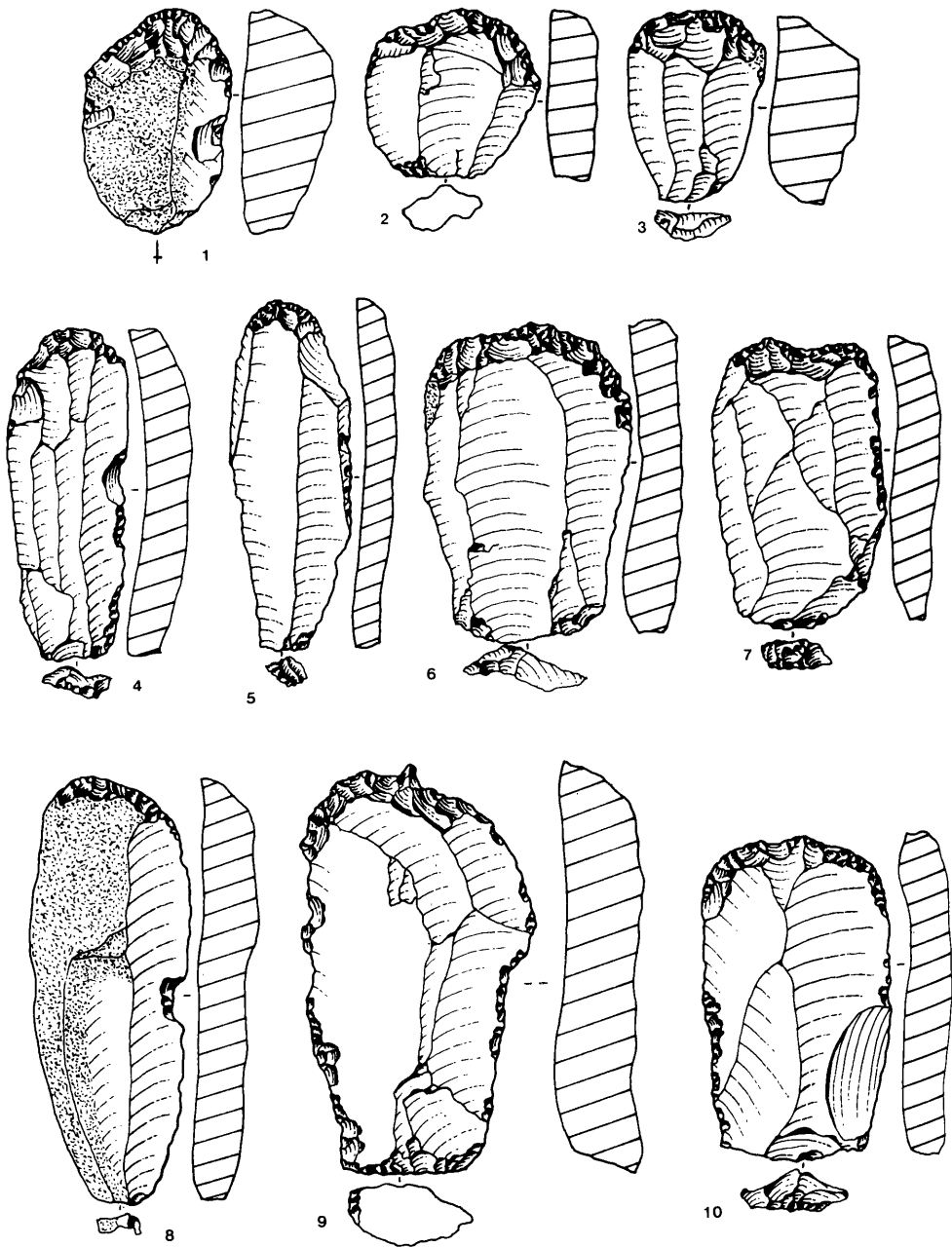


Plate 56 level XX: 1. Ogival end-scraper. 2, 3, 4, 5, 6, 7, 8, 9 and 10. End-scraper.

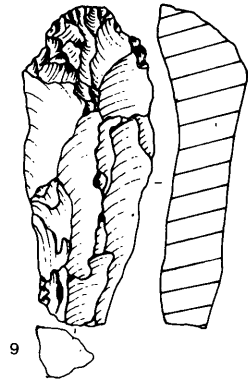
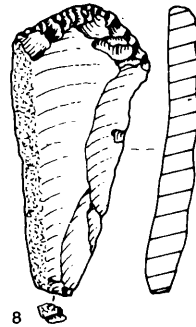
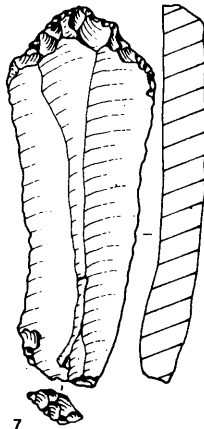
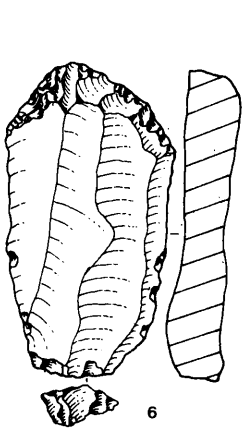
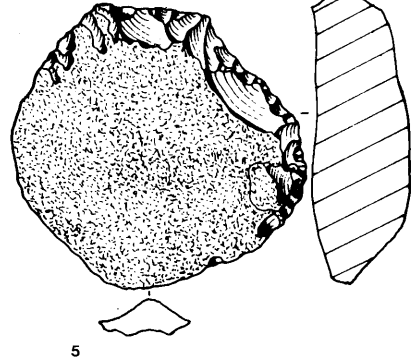
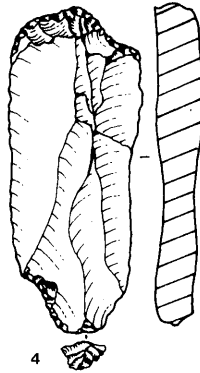
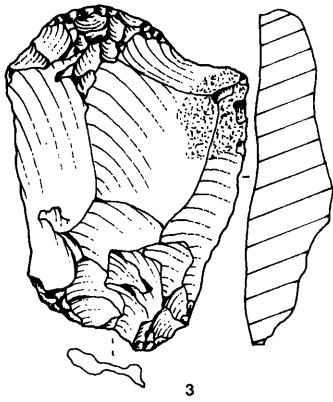
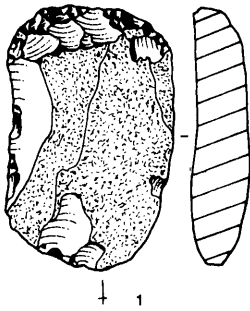


Plate 57 level XX: 1 and 5. End-scraper. 2. Piercer. 3 and 4. Shouldered end-scraper. 6, 7 and 8. Ogival end-scraper. 9. Thick-nosed end-scraper.

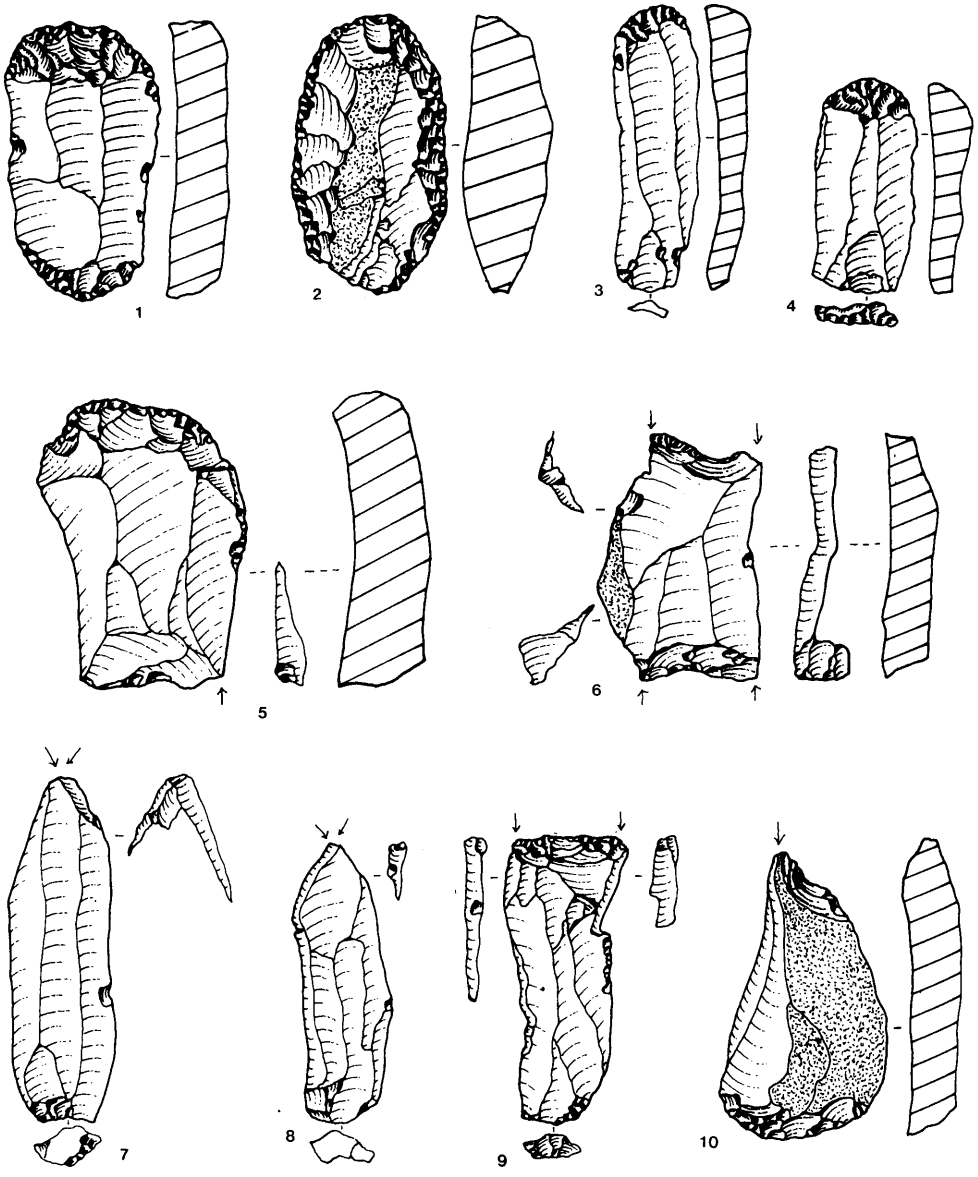


Plate 58 level XX: 1. Double end-scraper. 2. End-scraper on a retouched flake. 3 and 4. End-scraper. 5. End-scraper and burin on a concave retouched truncation. 6 and 9. Multiple truncation burin. 7 and 8. Dihedral straight burin. 10. End-scraper and burin on a concave retouched truncation.

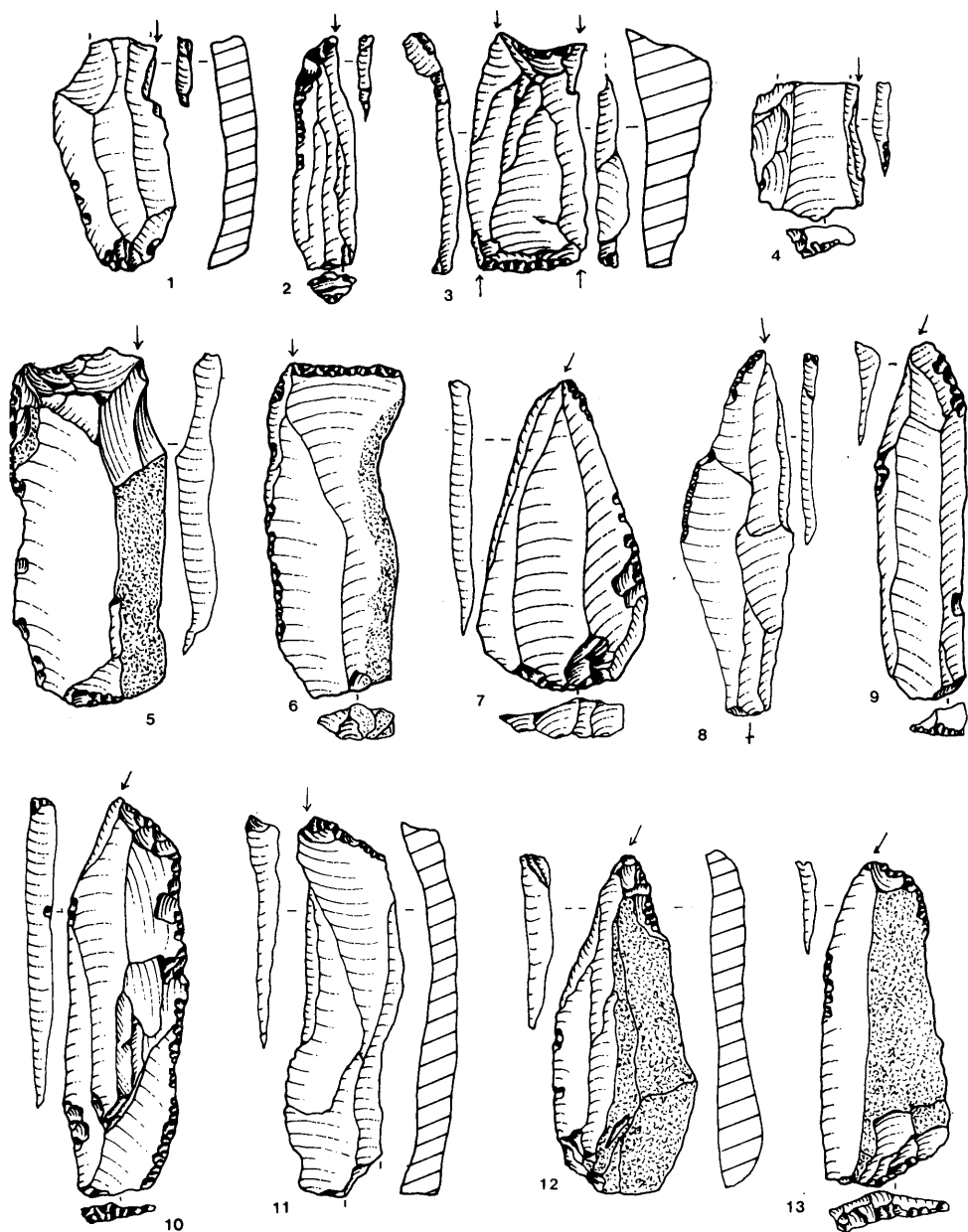


Plate 59 level XX: 1. End-scrapers and dihedral angle burin on a break. 2. Burin on a convex retouched truncation. 3. Multiple truncation burin. 4. Dihedral angle burin on a break. 5 and 13. Burin on a concave retouched truncation. 6. Burin on a straight retouched truncation. 7 and 8. Burin on a lateral preparation. 9. Dihedral asymmetrical burin. 10, 11 and 12. Burin on an oblique retouched truncation.

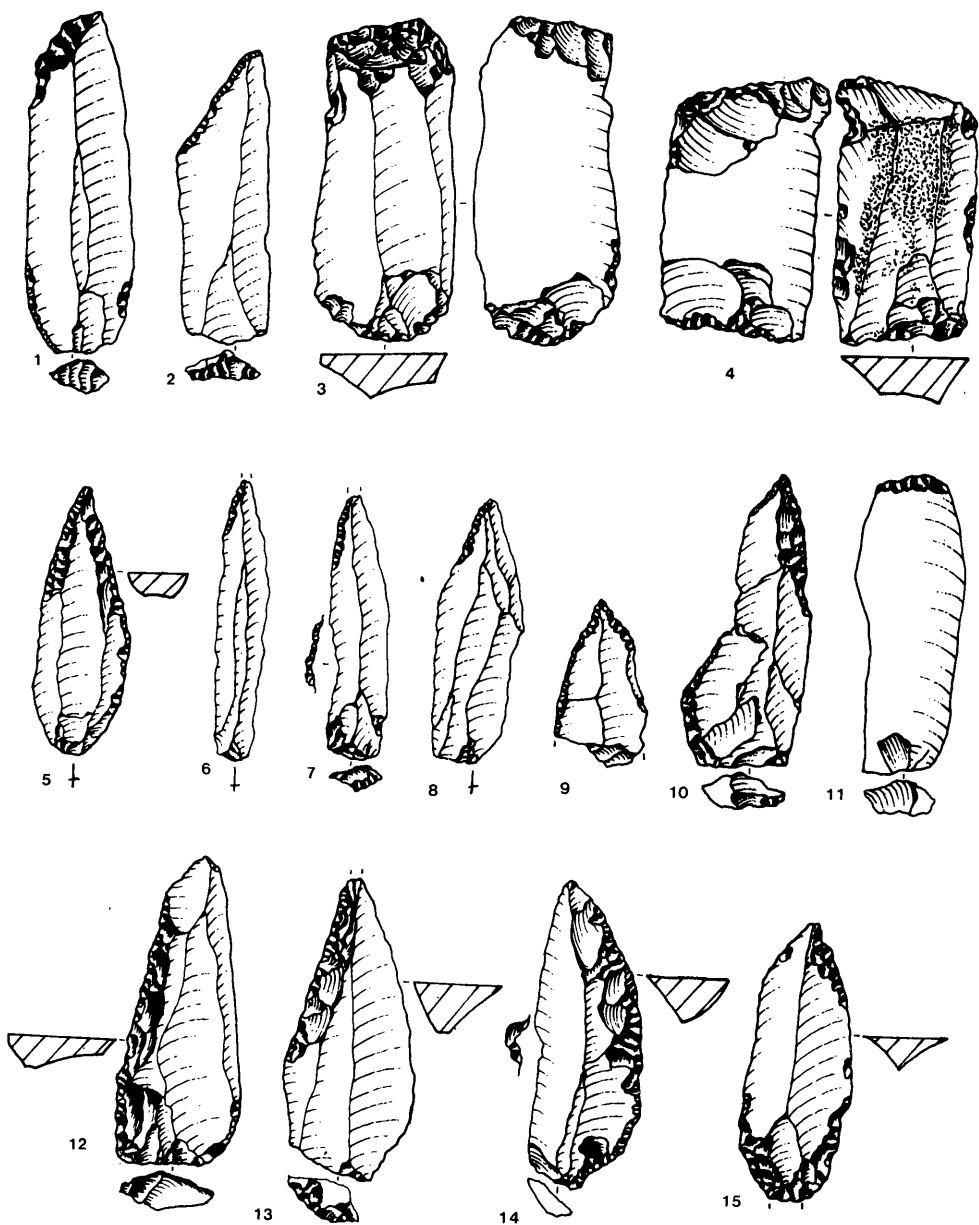


Plate 60 level XX: 1. Convex retouched truncation. 2. Oblique retouched truncation. 3 and 4. Splintered piece. 5 and 15. Pointe à face plane. 6, 7, 8, 9 and 10. Blade pointed by retouch. 11. Straight retouched truncation. 12 and 13. Partially backed piece. 14. Backed piece.

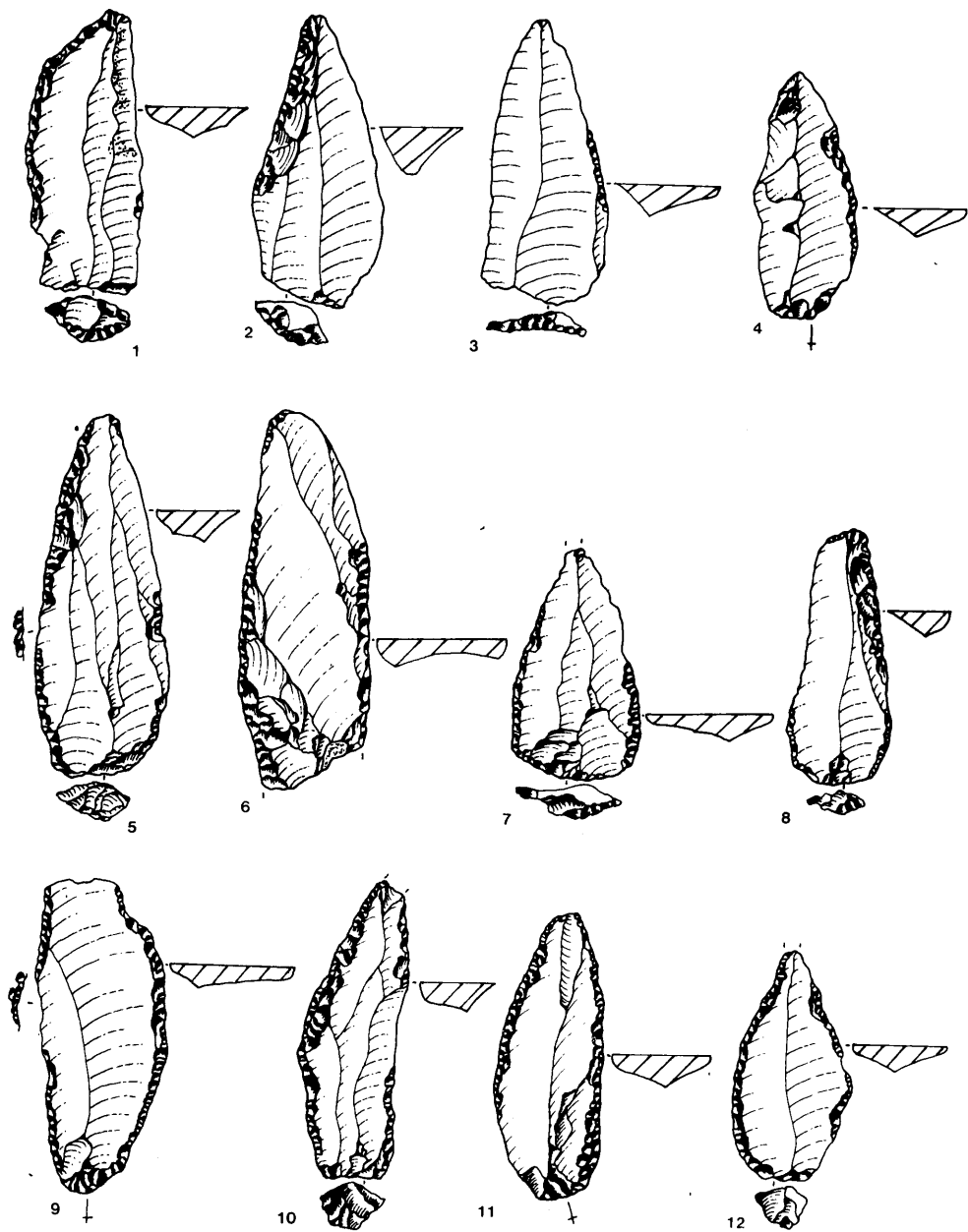


Plate 61 level XX: 1, 2, 3, 4 and 8. Partially backed piece. 5, 9, 10, 11 and 12. Backed piece. 6 and 7. Double partially backed piece.

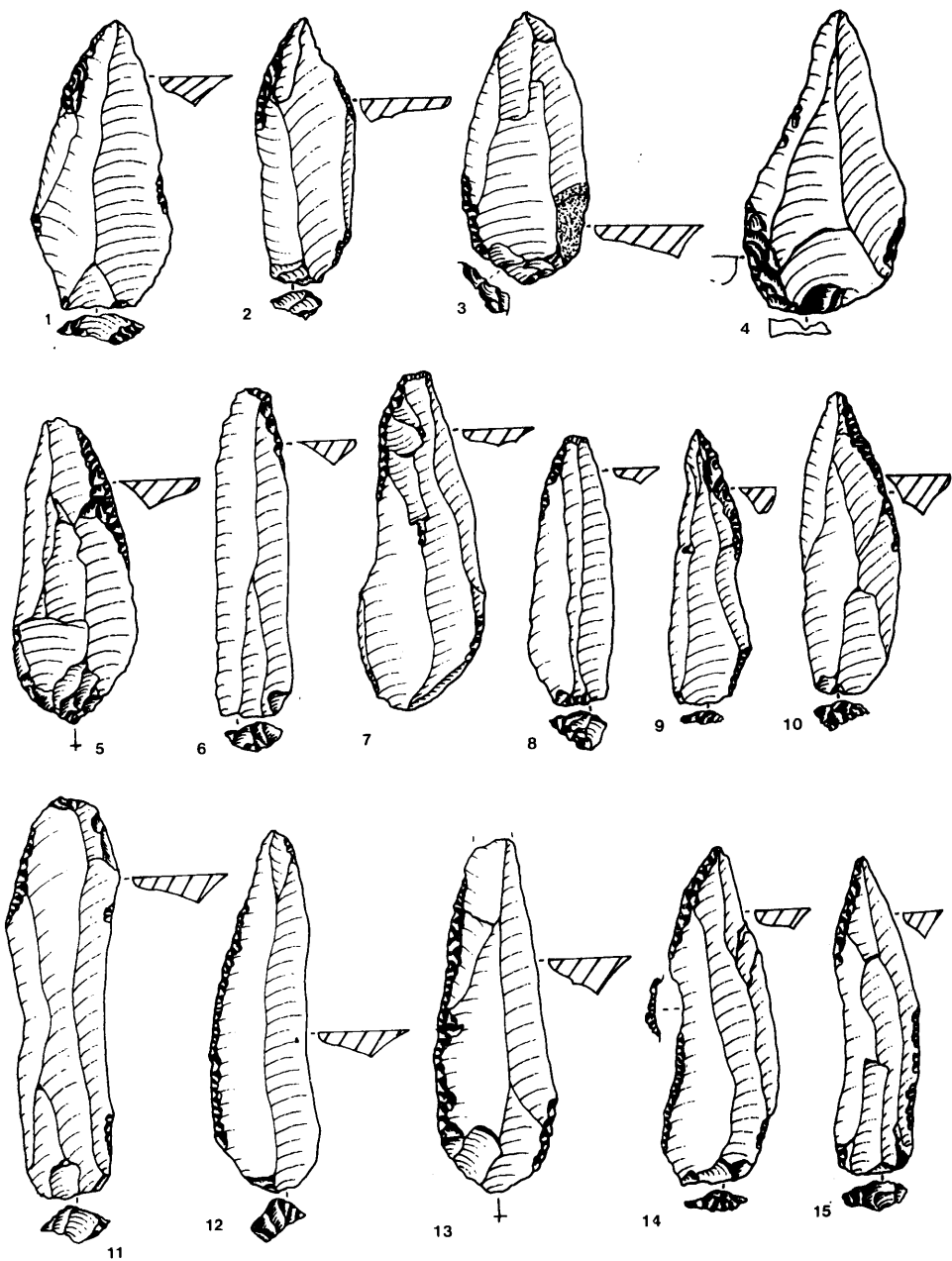


Plate 62 level XX: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 and 15. Partially backed piece.

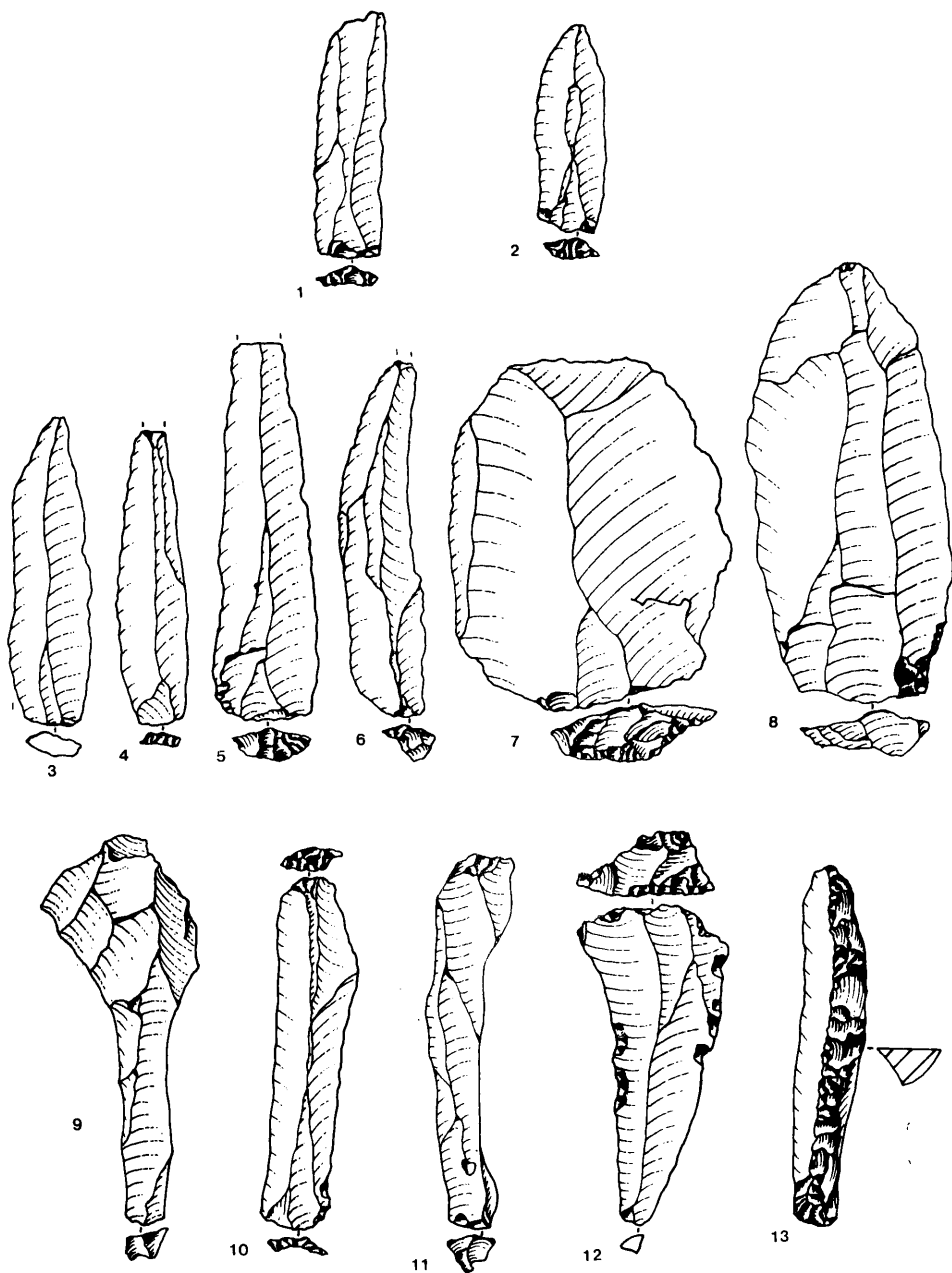


Plate 63 level XX: 1, 2, 3, 4, 5, 6 and 8. Levallois blade. 7. Levallois flake. 9, 10, 11 and 12. Plunging blade. 13. Straight retouched truncation.

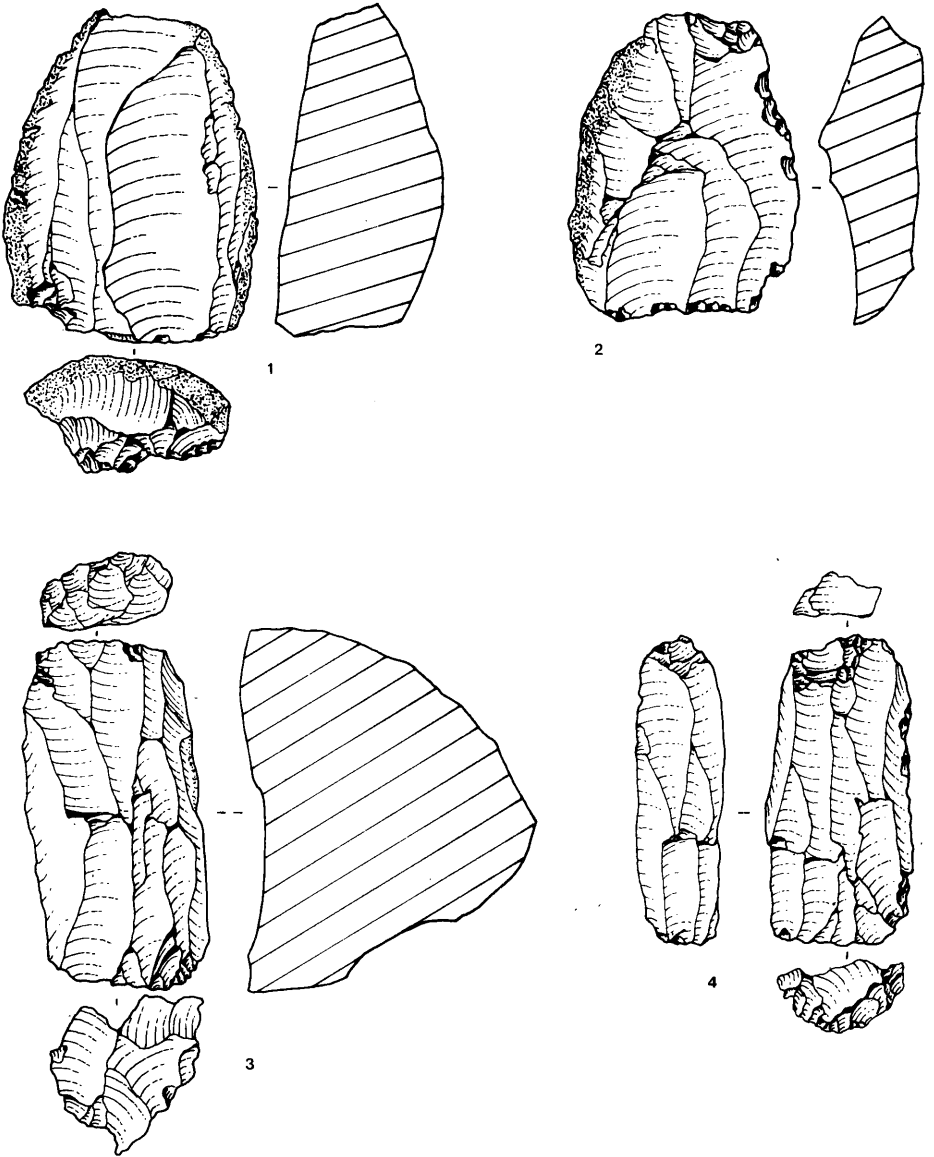


Plate 64 level XX: 1, 2, 3 and 4. Levallois blade core.

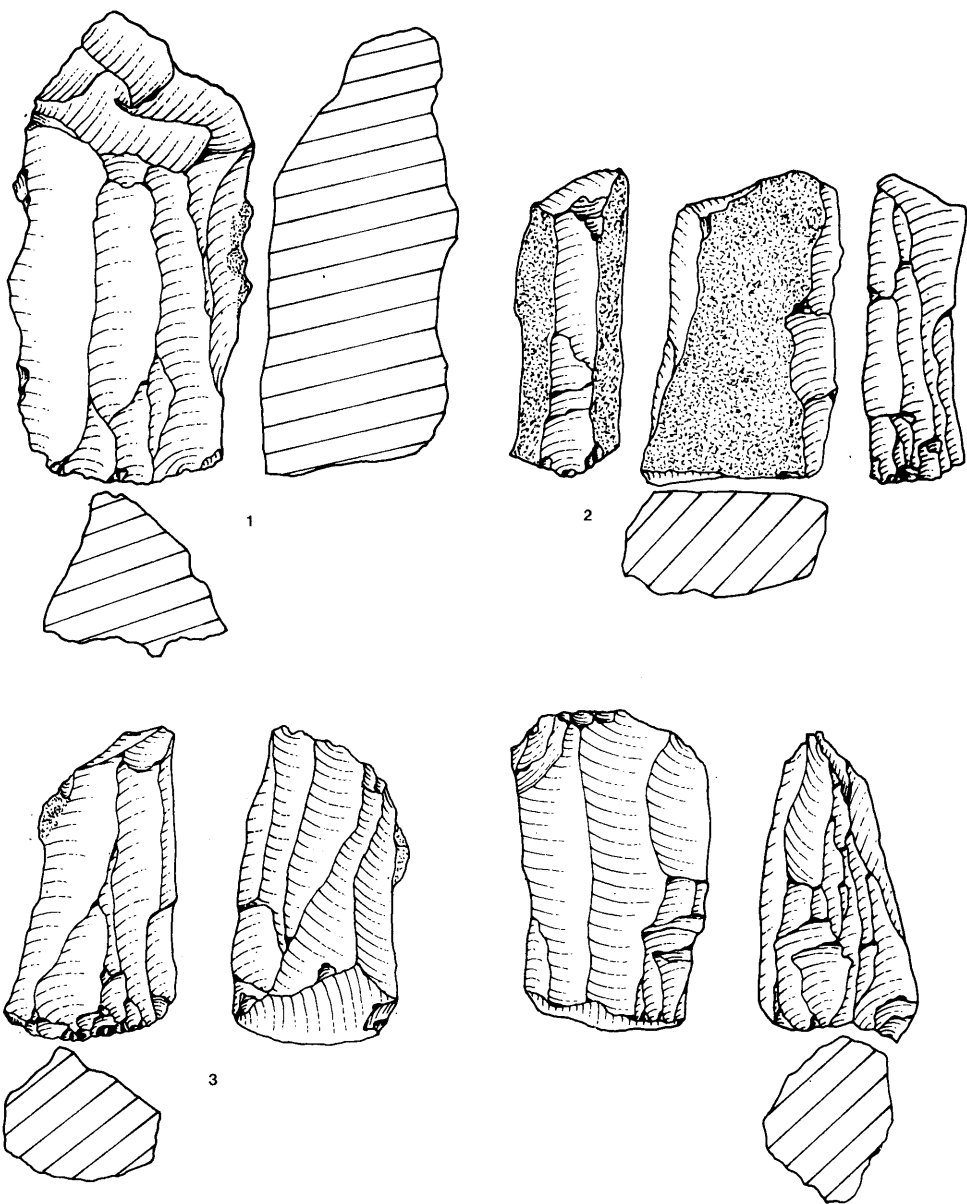
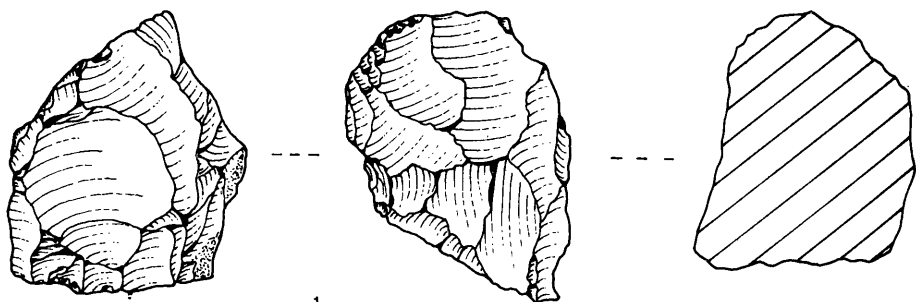
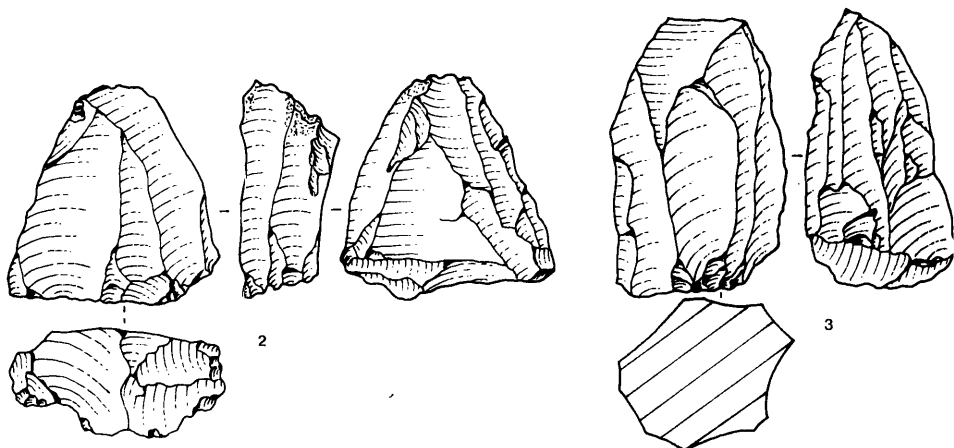


Plate 65 level XX: 1, 2 and 3. Prismatic blade core with two platforms.
 4. Pyramidal core.

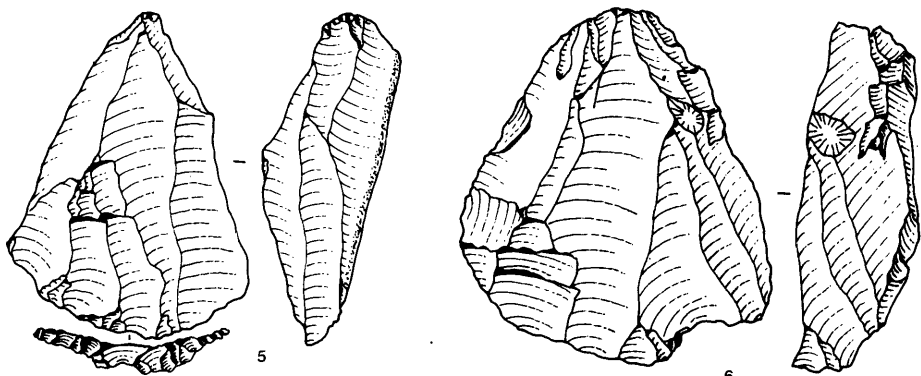


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Plate 66 level XX: 1. Levallois flake core. 2, 4 and 5. Levallois point core. 3. Pyramidal core.

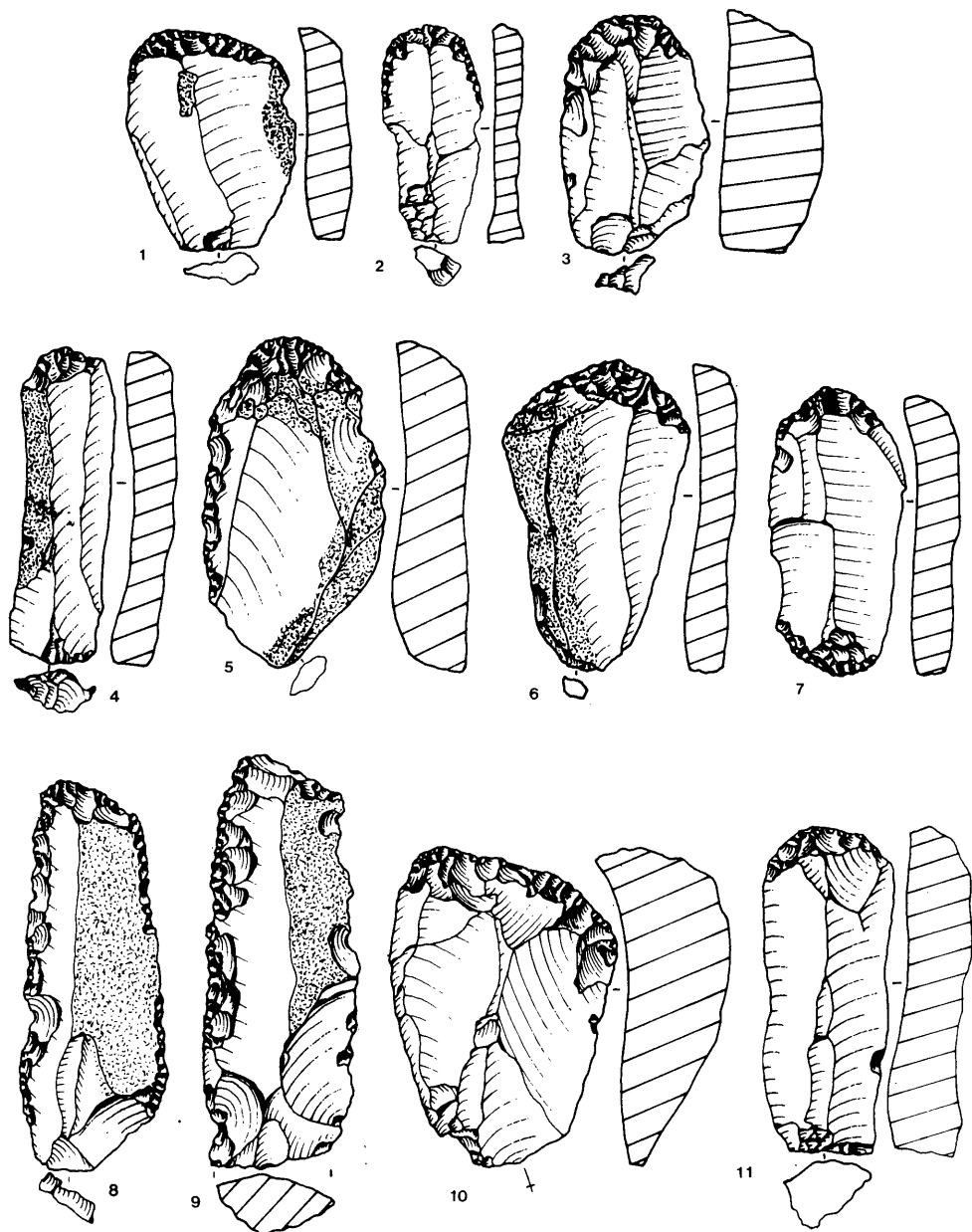


Plate 67 level XIX: 1, 2, 3, 4, 10 and 11. End-scraper. 5. End-scraper on a retouched flake. 6. Ogival end-scraper. 7. Double end-scraper. 8. Oblique retouched truncation. 9. Side-scraper.

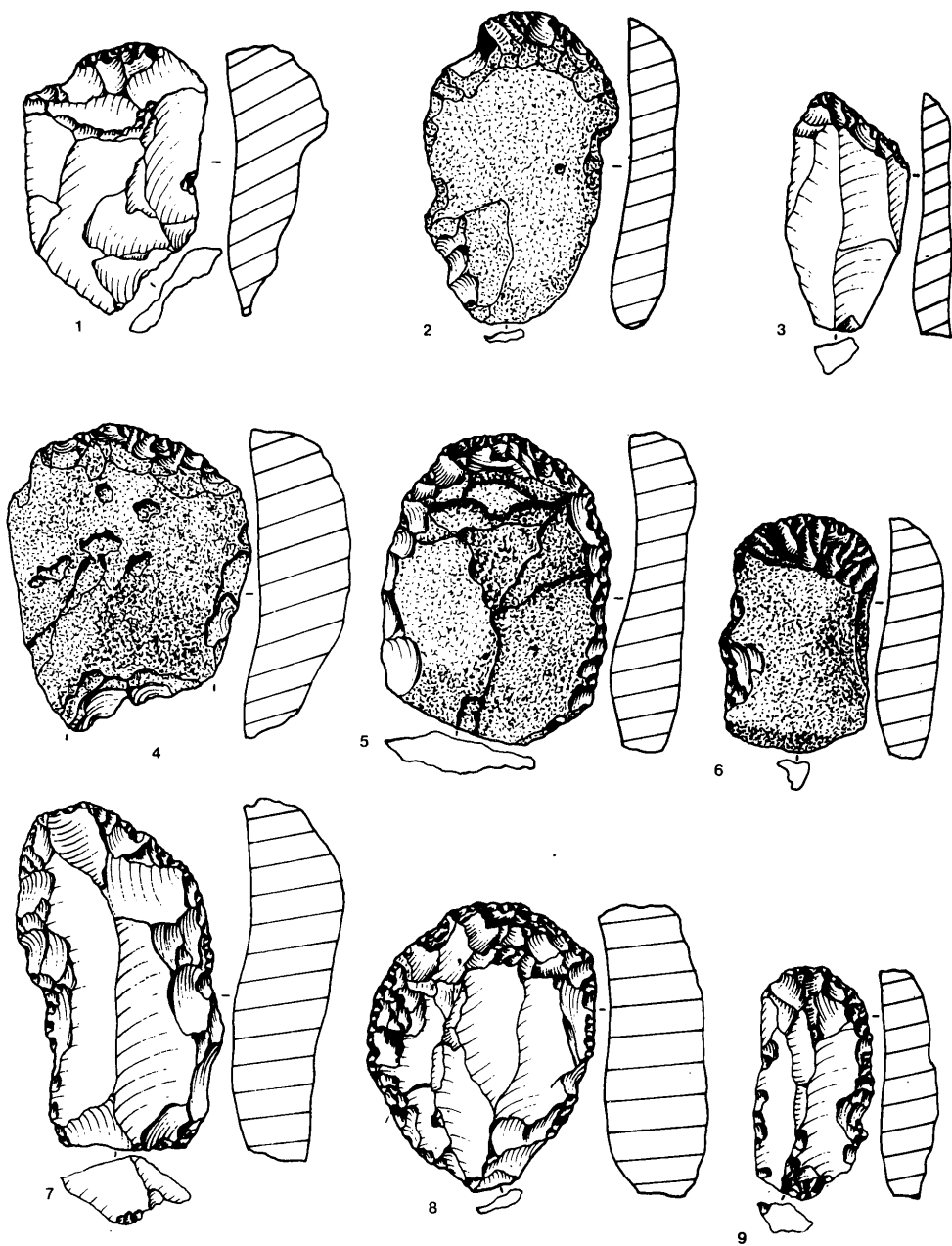


Plate 68 level XIX: 1, 2 and 3. Shouldered end-scraper. 4 and 6. End-scraper. 5, 7, 8 and 9. End-scraper on a retouched flake.

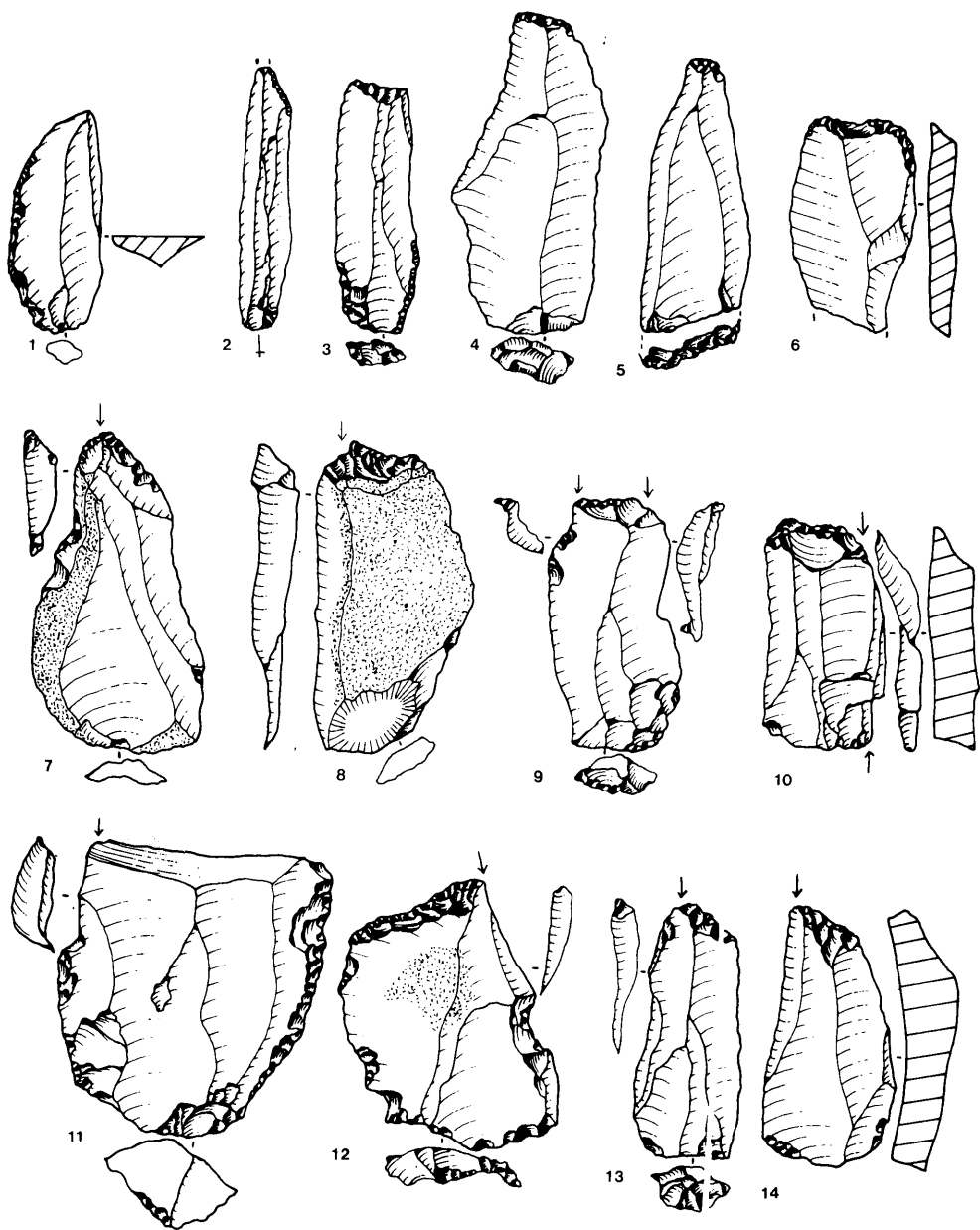


Plate 69 level XIX: 1. Partially backed piece. 2 and 4. Oblique retouched truncation. 3 and 5. Straight retouched truncation. 6. Concave retouched truncation. 7, 13 and 14. Burin on an oblique retouched truncation. 8 and 12. Burin on a concave retouched truncation. 9. Multiple truncation burin. 10. Multiple mixed burin. 11. Dihedral angle burin on a break.

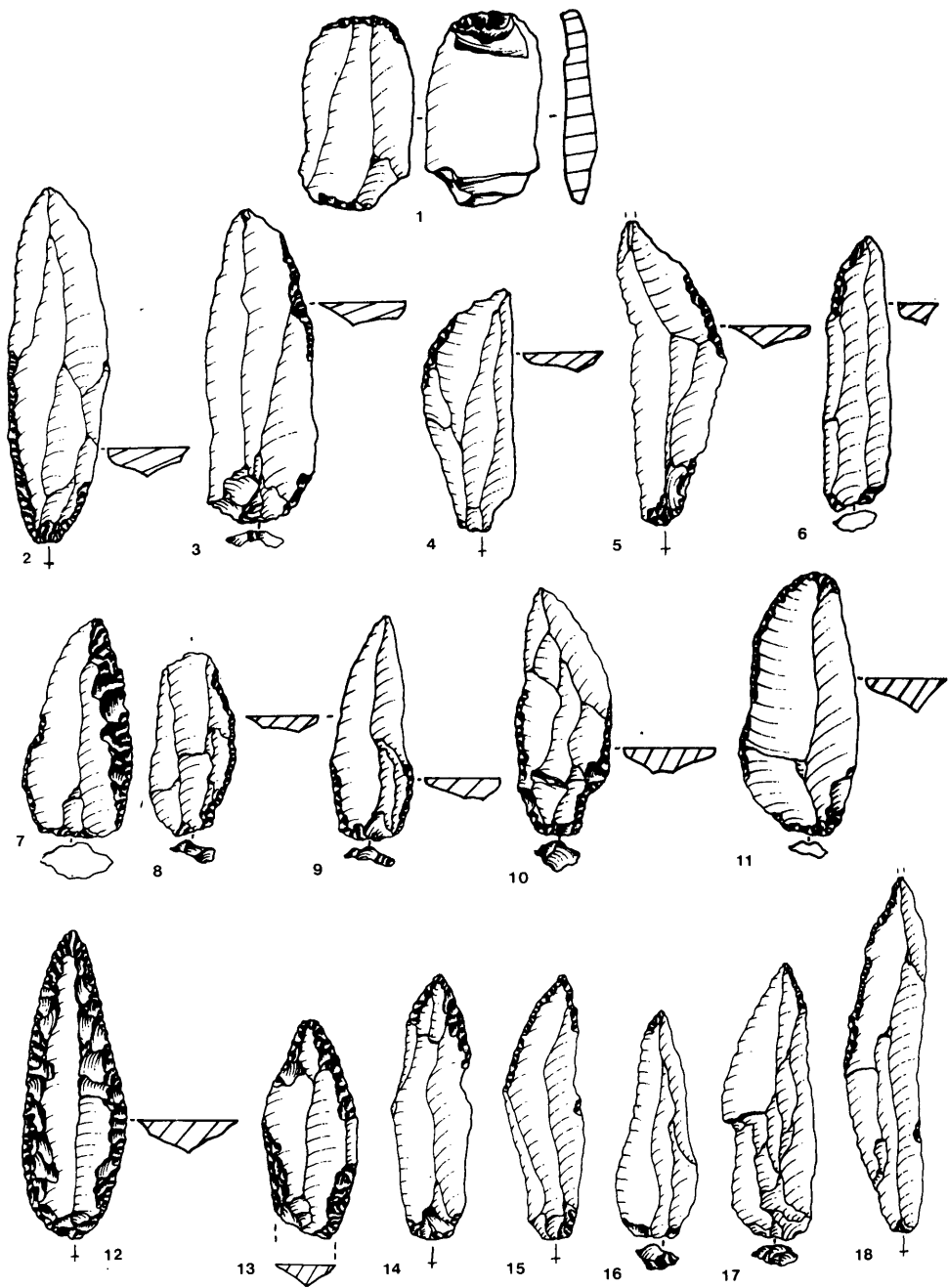


Plate 70 level XIX: 1. Splintered piece. 2, 3, 4, 5, 6 and 11. Partially backed piece. 7 and 8. Backed piece. 9 and 10. Double backed piece. 12 and 13. Pointe à face plane. 14, 15, 17 and 18. Blade pointed by retouch.

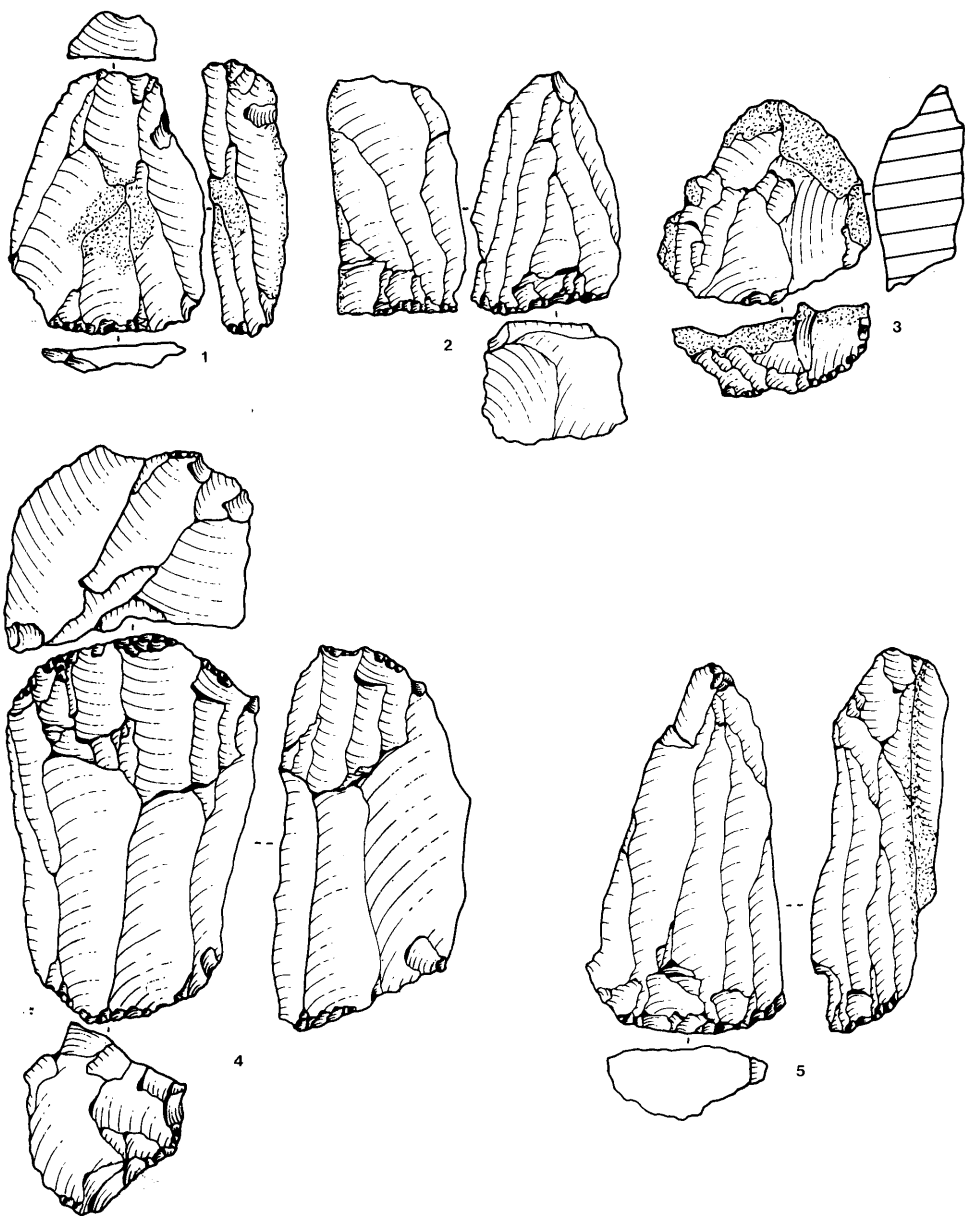


Plate 71 level XIX: 1 and 4. Levallois blade core. 2 and 5. pyramidal core. 3. Levallois point core.

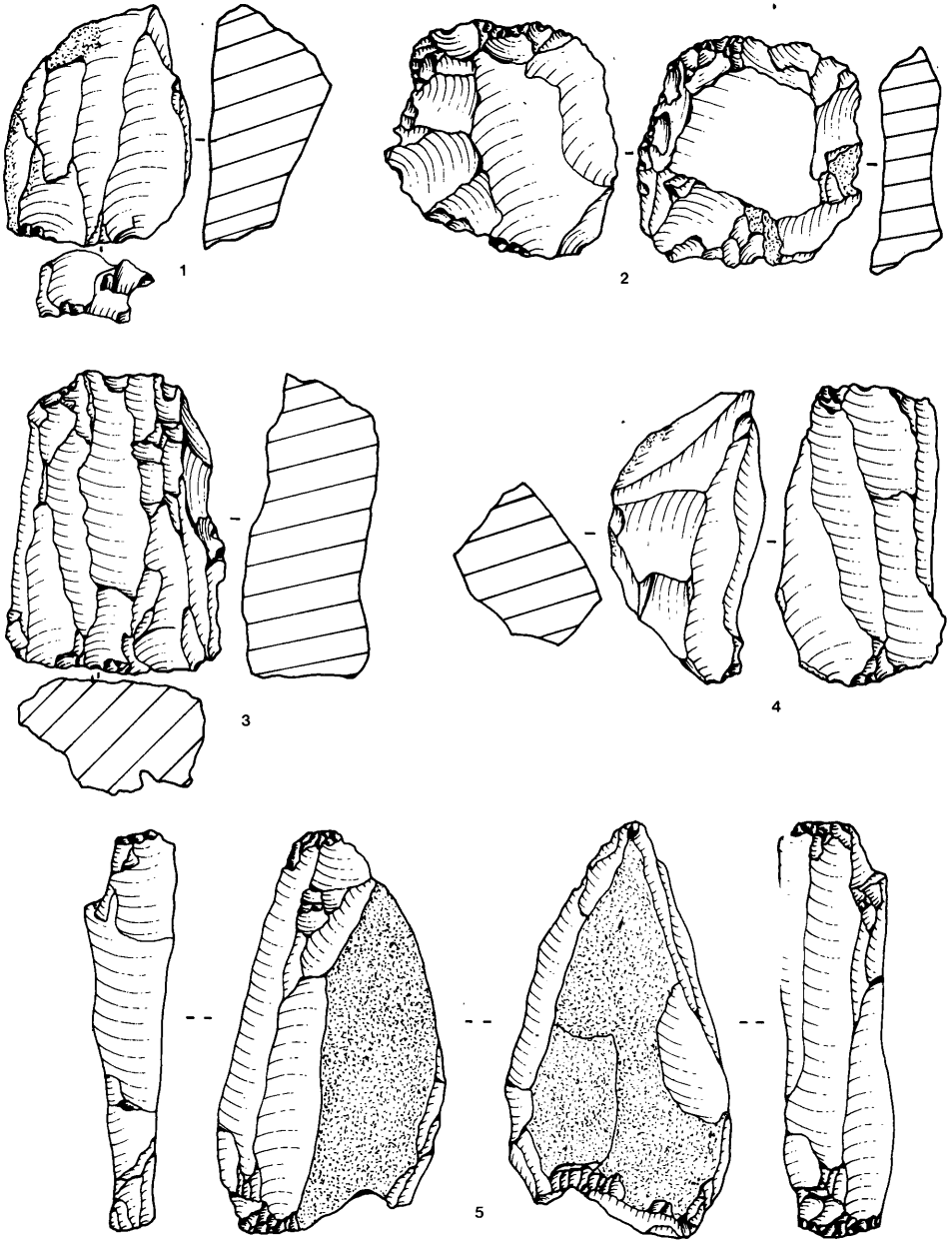


Plate 72 level XIX: 1. Levallois blade core. 2. Discoidal core. 3, 4 and 5. Prismatic blade core with two platforms.

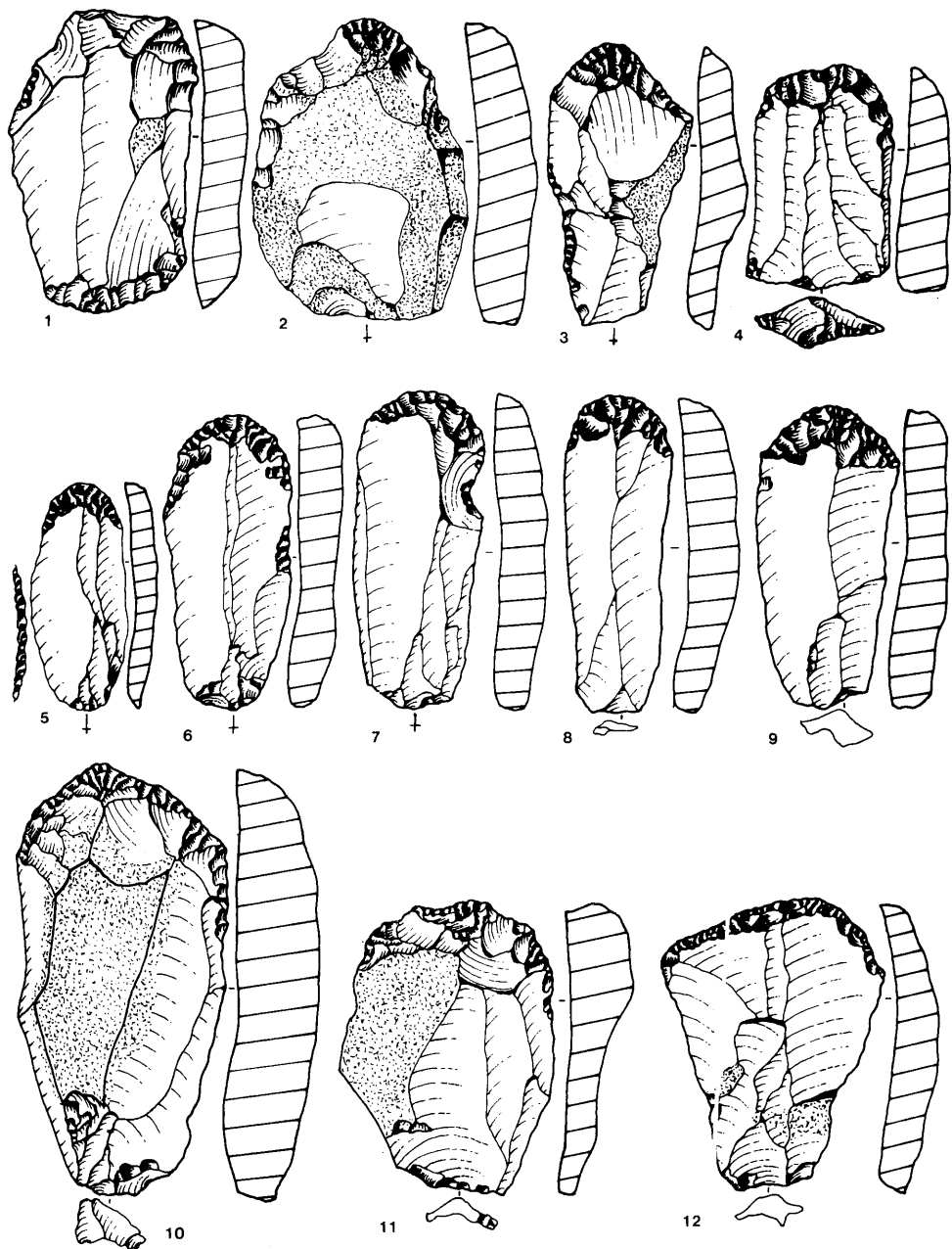


Plate 73 level XVIII: 1. Double end-scraper. 2. Thin-nosed end-scraper. 3. Shouldered end-scraper. 4, 5, 6, 7, 8, 11 and 12. End-scraper. 9 and 10. Ogival end-scraper.

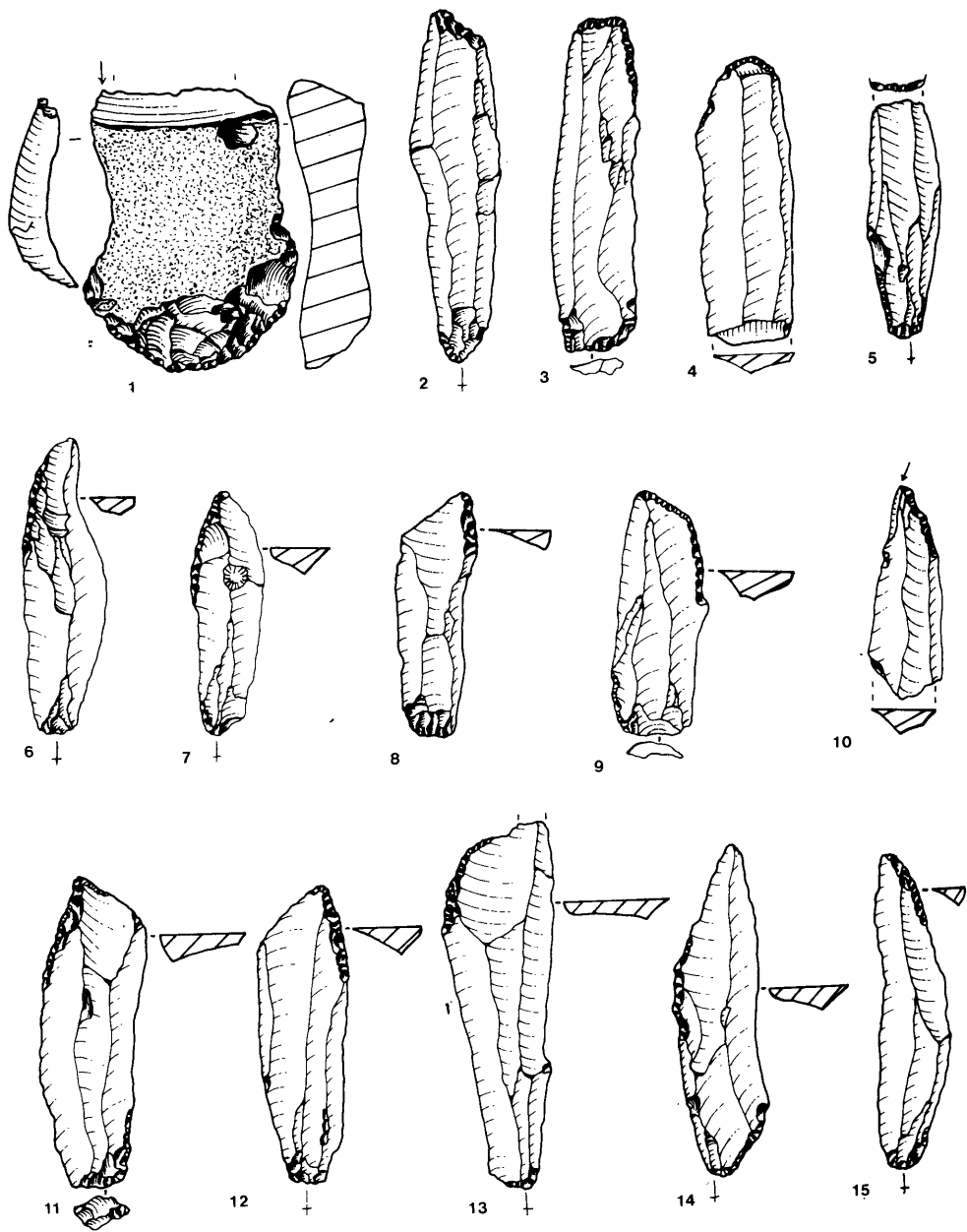


Plate 74 level XVIII: 1. End-scrapers and dihedral angle burin on a break. 2. Oblique retouched truncation. 3 and 5. Straight retouched truncation. 4. Convex retouched truncation. 6, 7, 8, 9, 11, 12, 13, 14 and 15. Partially backed piece. 10. Burin on an oblique retouched truncation.

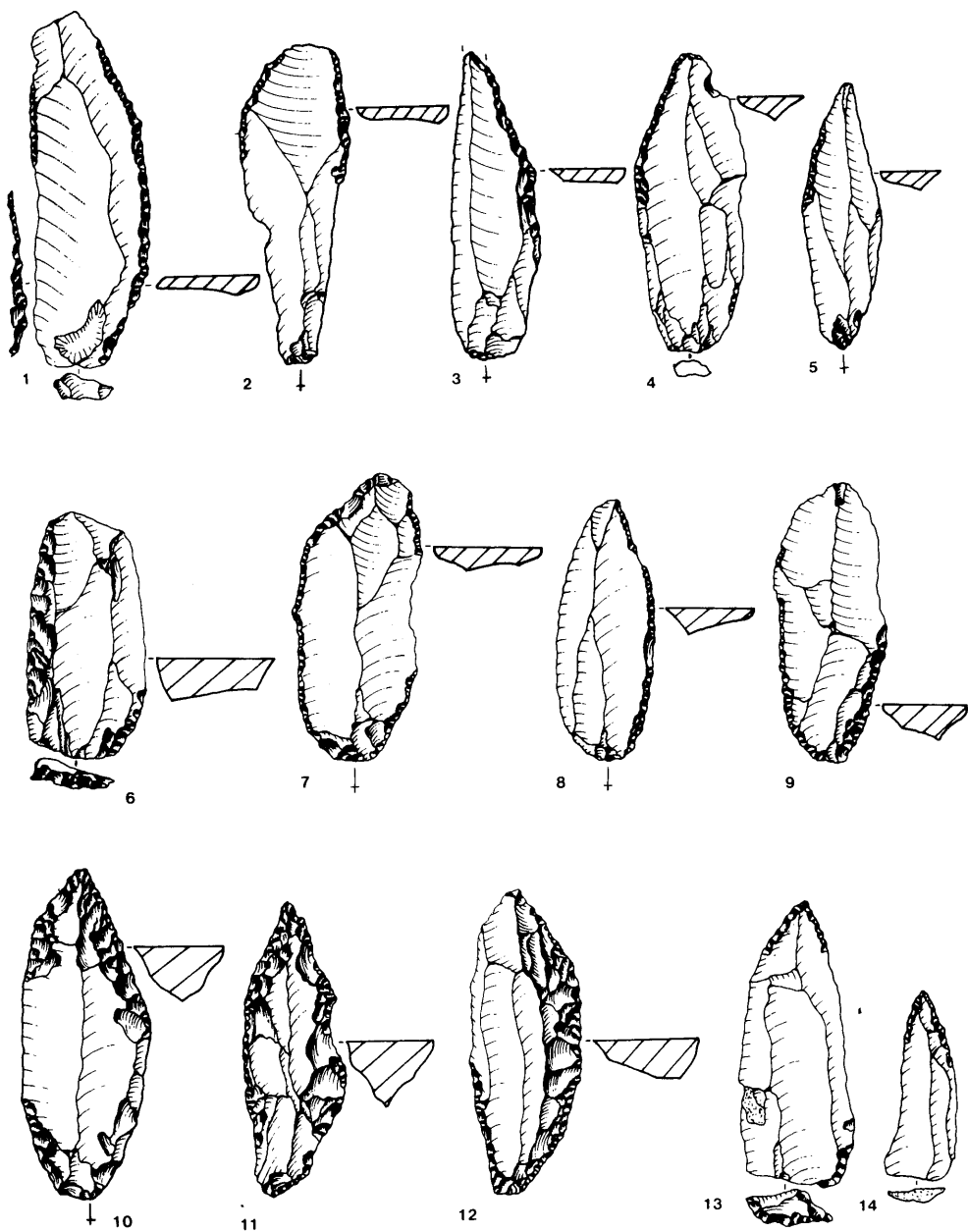
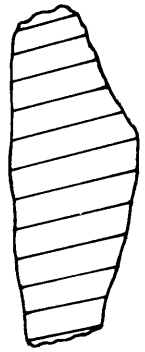
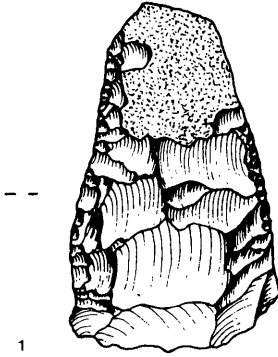
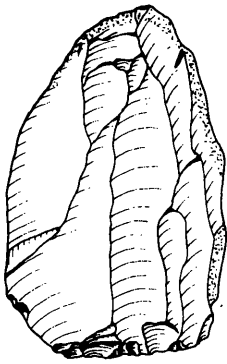
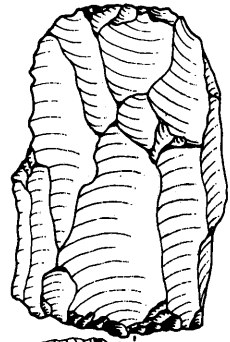
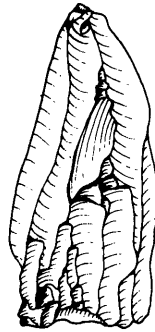
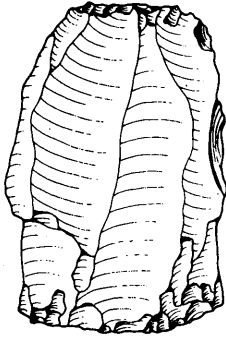
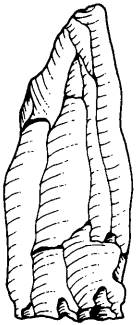


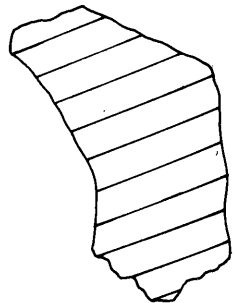
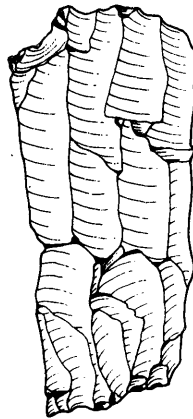
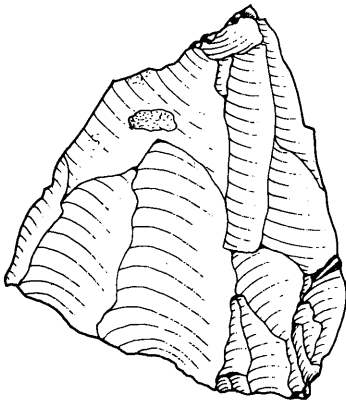
Plate 75 level XVIII: 1, 2 and 9. Double partially backed piece. 3, 4 and 5. Partially backed piece. 6, 7, 8 and 12. Backed piece. 10 and 11. Pointe à face plane. 13 and 14. Blade pointed by retouch.



1



2



3

Plate 76 level XVIII: 1. Prismatic blade core with one platform. 2. Pyramidal core. 3. Prismatic blade core with two platforms.

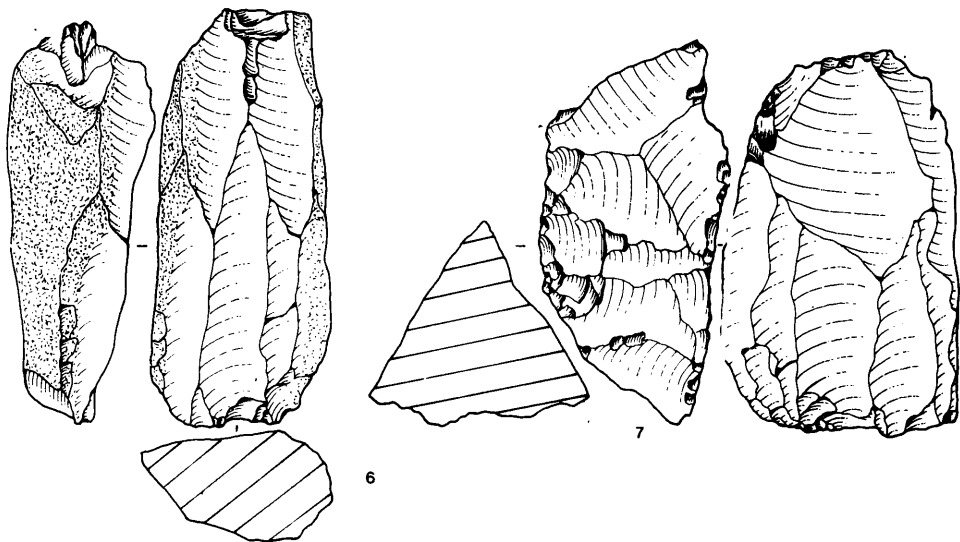
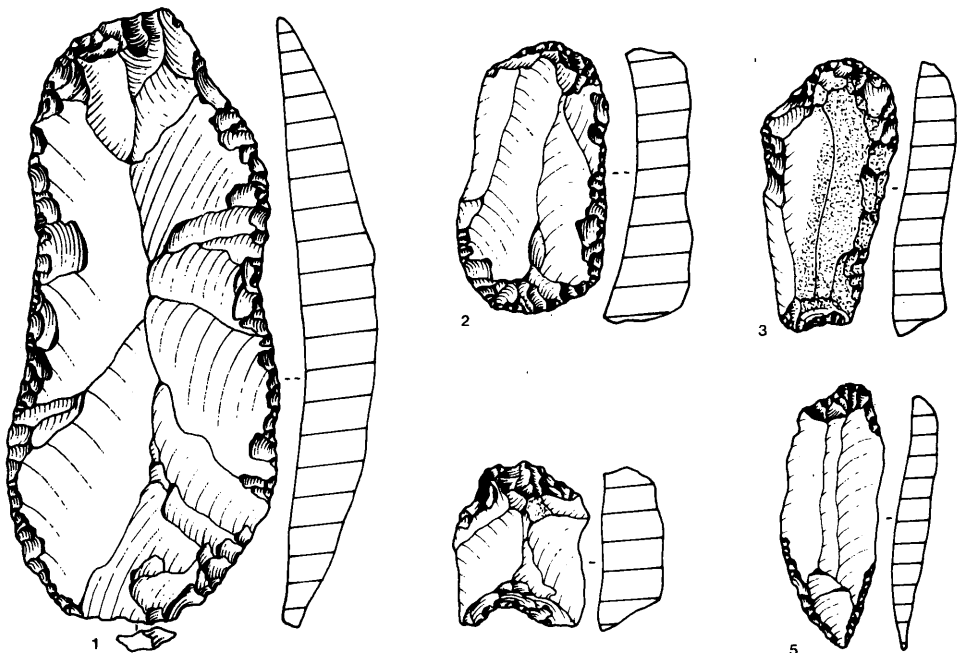


Plate 77 level XVIII: 6. Levallois blade core. 7. Prismatic blade core with two platforms.

Plate 77 level XVII: 1. Side-scraper. 2. Double end-scraper. 3 and 5. Shouldered end-scraper. 4. End-scraper and concave retouched truncation.

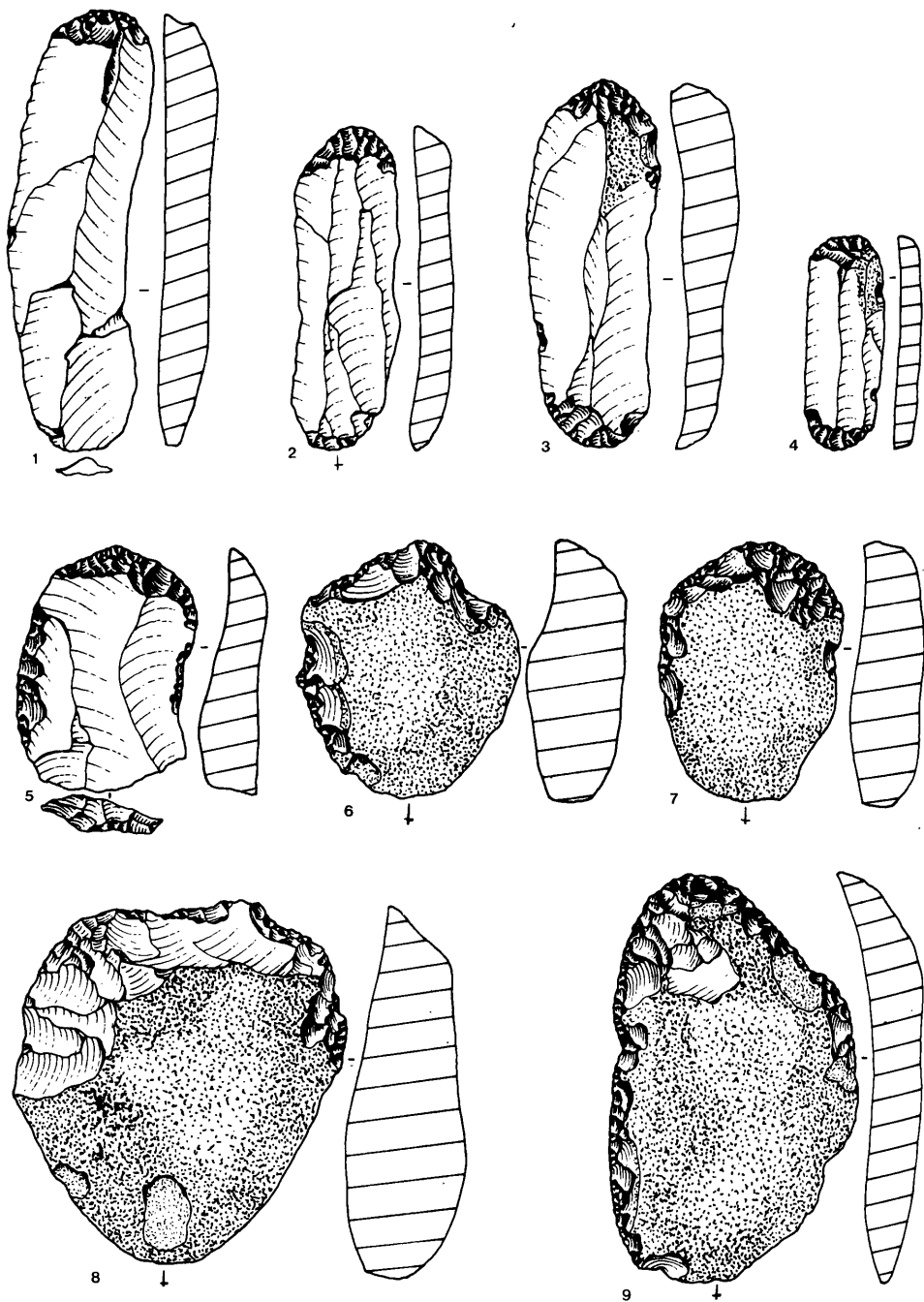


Plate 78 level XVII: 1, 2, 7 and 8. End-scraper. 3 and 4. Double end-scraper. 5 and 9. End-scraper on a retouched flake. 6. Thick-nosed end-scraper.

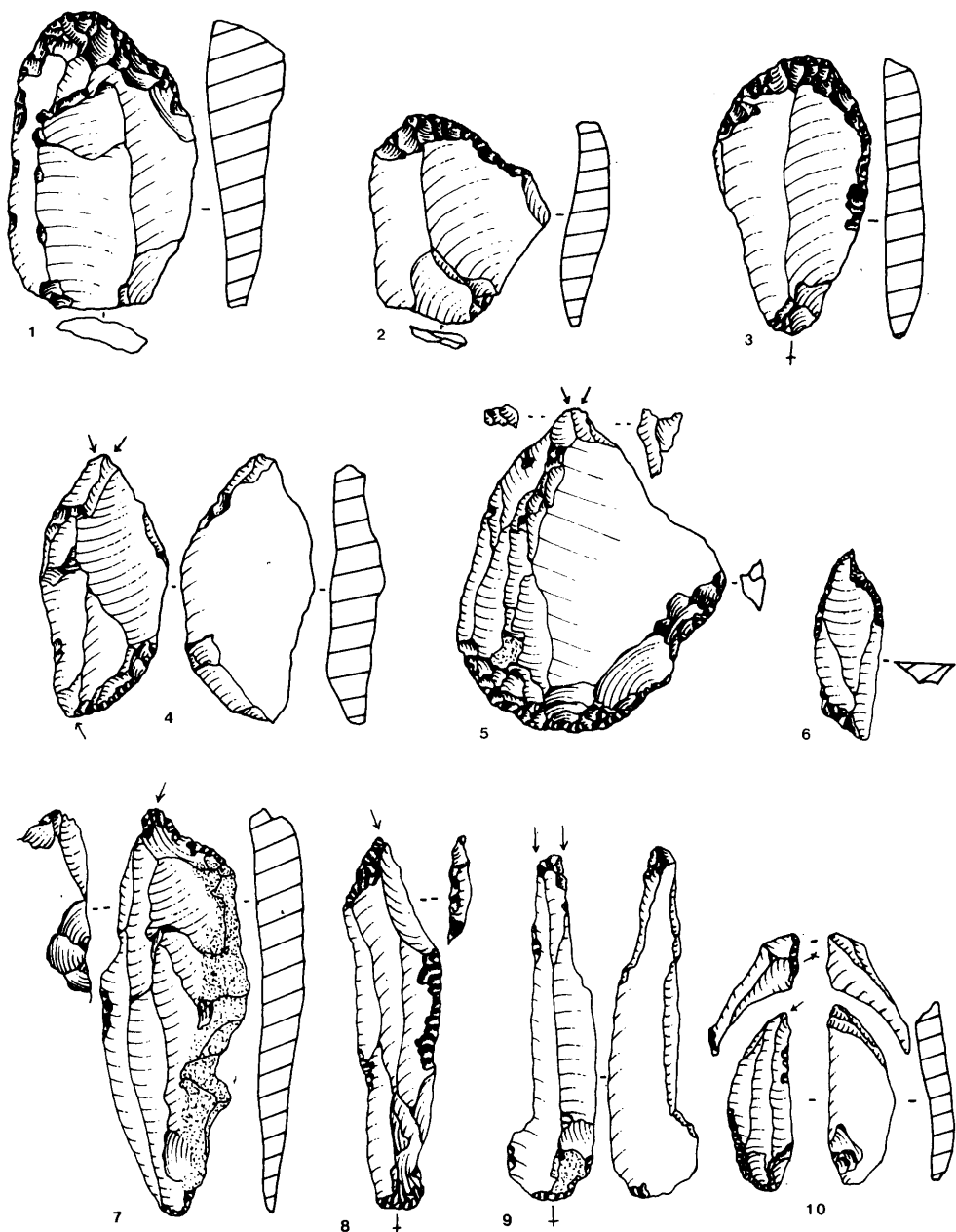


Plate 79 level XVII: 1 and 2. Shouldered end-scrapers. 3. End-scrapers. 4. Multiple mixed burin. 5. End-scrapers and dihedral straight burin. 6. Piercer. 7. Burin on a concave retouched truncation. 8 and 9. Burin on an oblique retouched truncation. 10. Dihedral asymmetrical burin and burin spall.

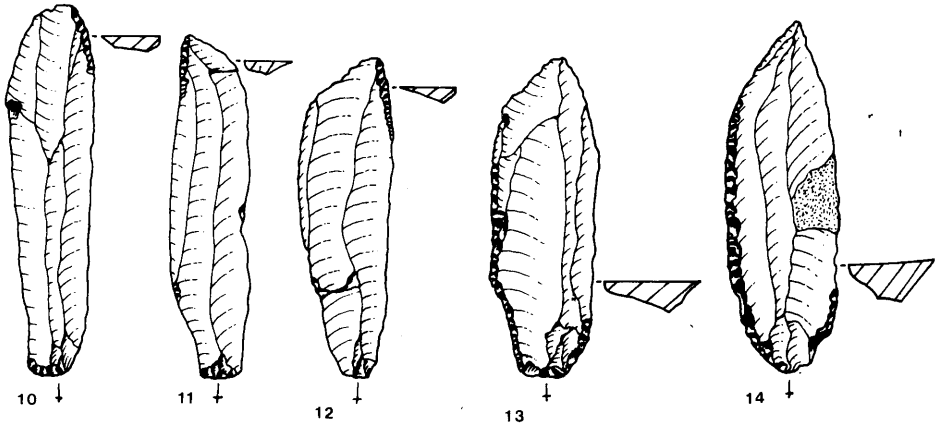
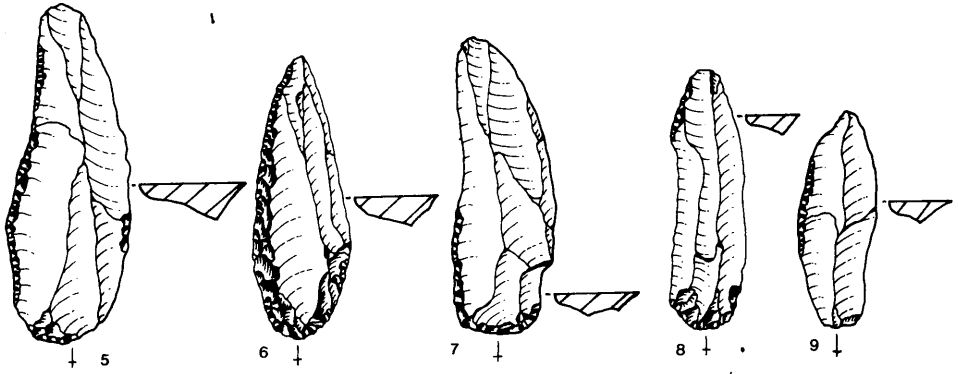
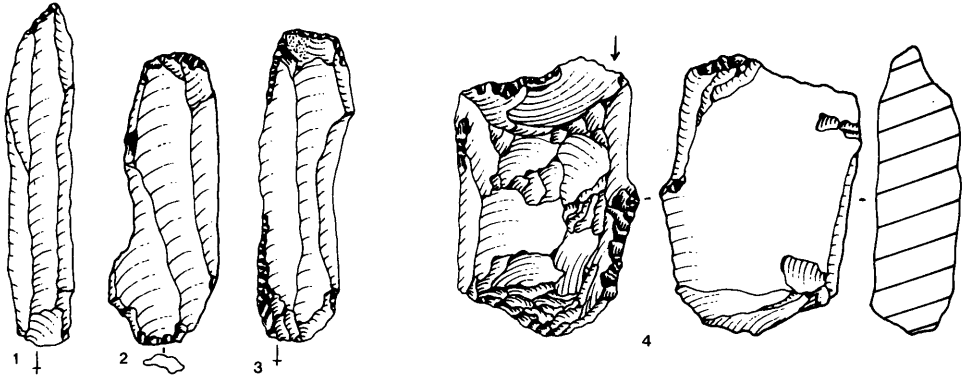


Plate 80 level XVII: 1. Oblique retouched truncation. 2. Convex retouched truncation. 3. Straight retouched truncation. 4. Burin on a concave retouched truncation. 5, 7, 8, 9, 10, 11, 12, 13 and 14. Partially backed piece. 6. Backed blade.

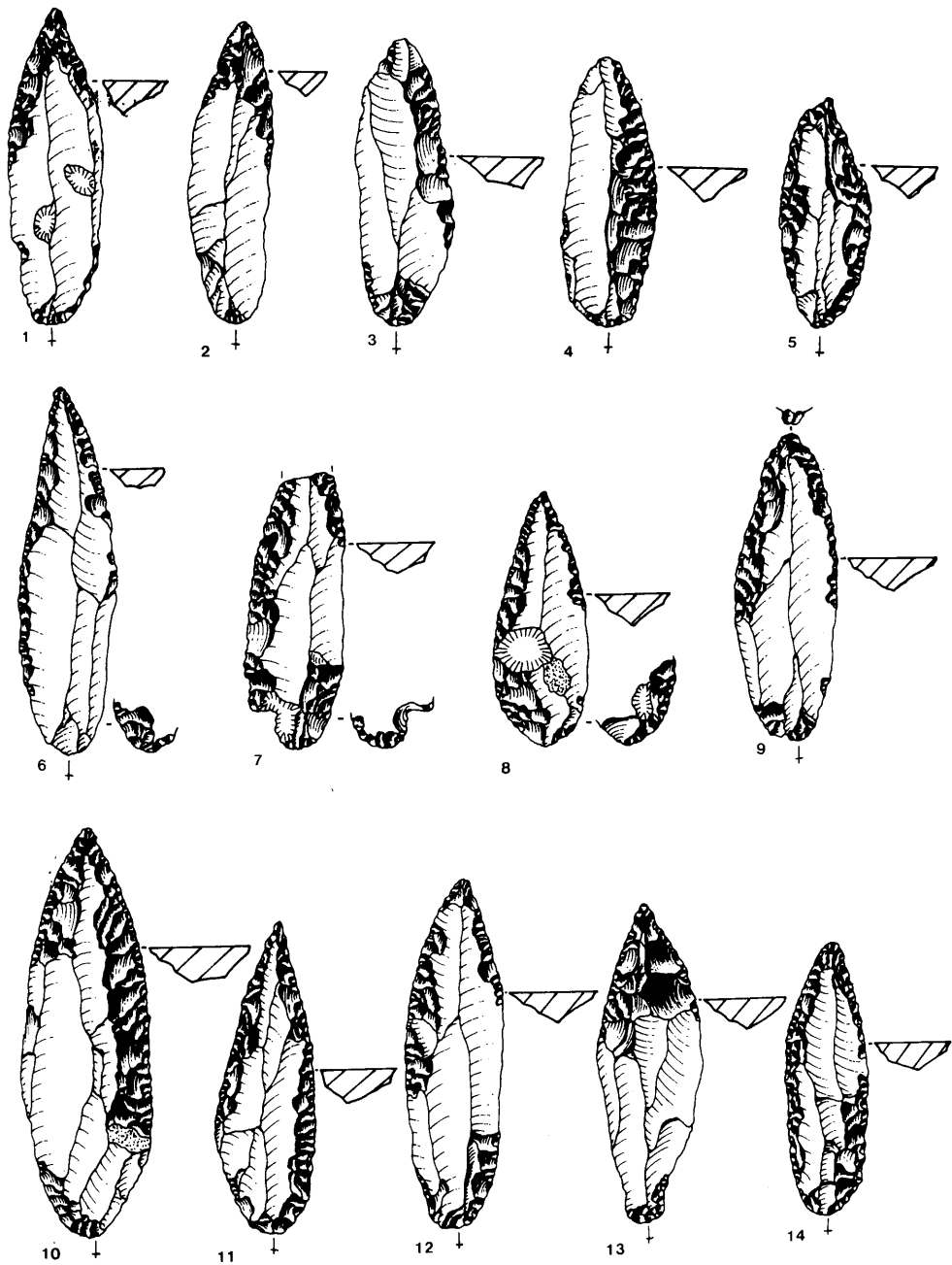


Plate 81 level XVII: 1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14. Pointe à face plane. 3. Partially backed piece. 4. Backed piece.

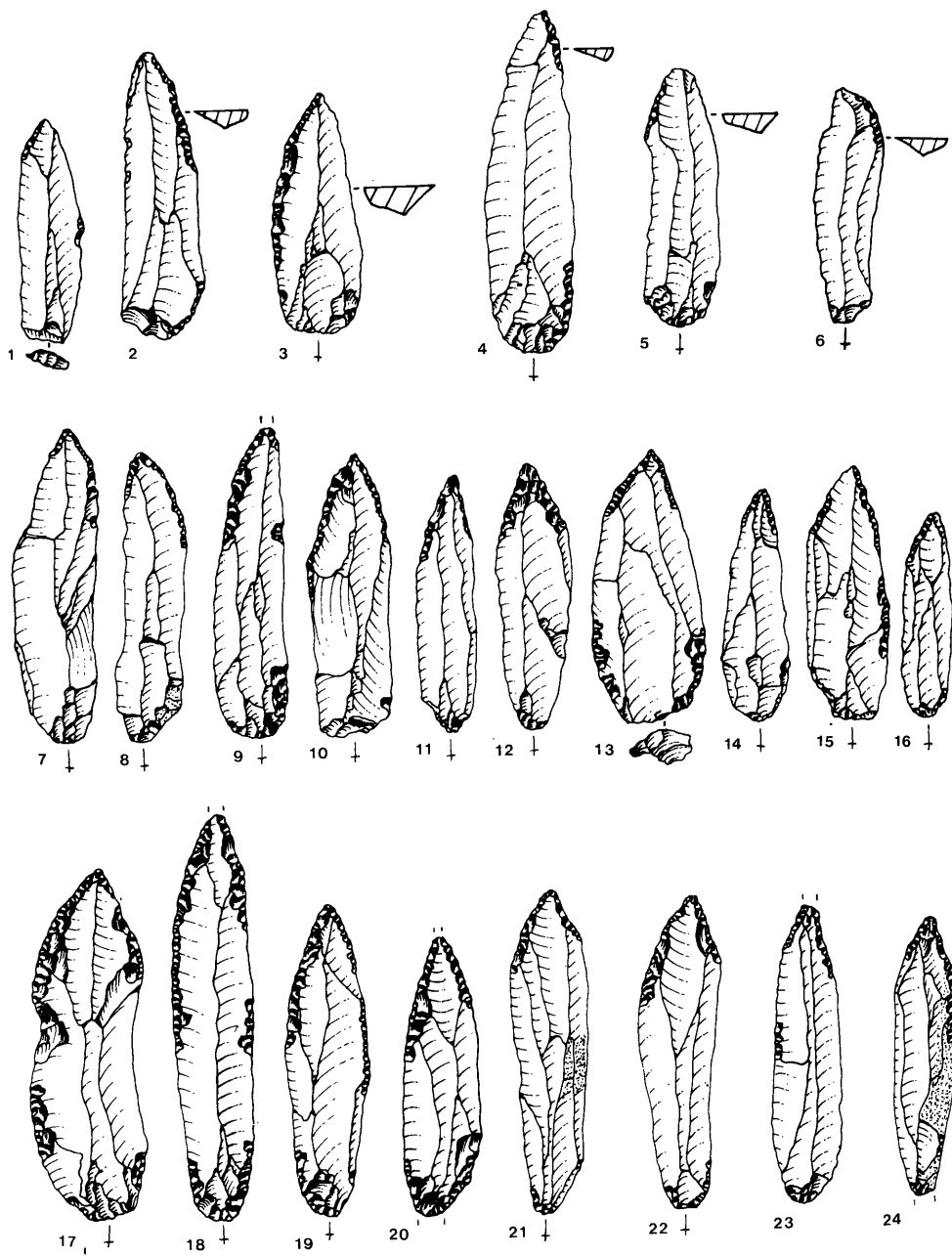


Plate 82 level XVII: 1, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 and 24. Blade pointed by retouch. 2, 3, 4, 5 and 6. Partially backed piece.

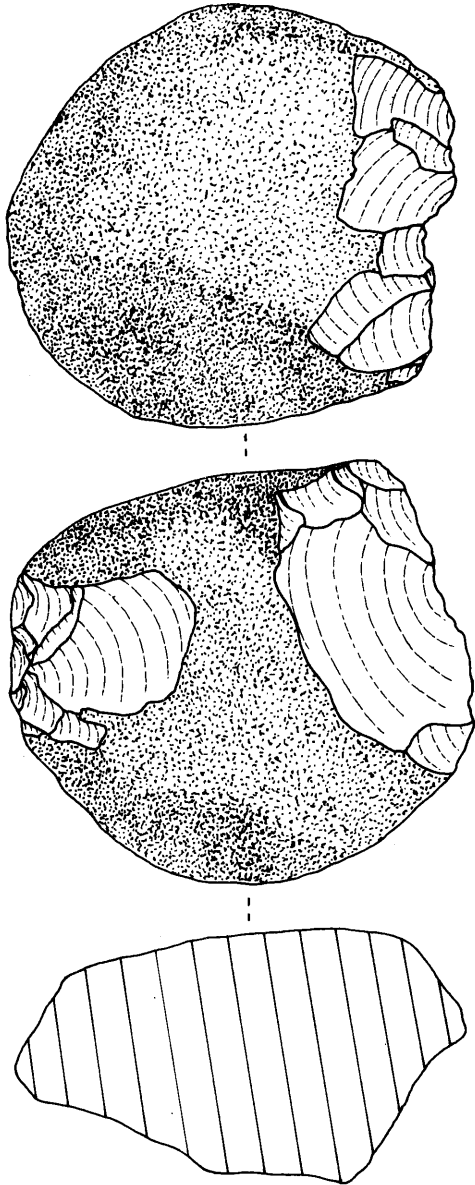


Plate 83 level XVII: Chopping tool.

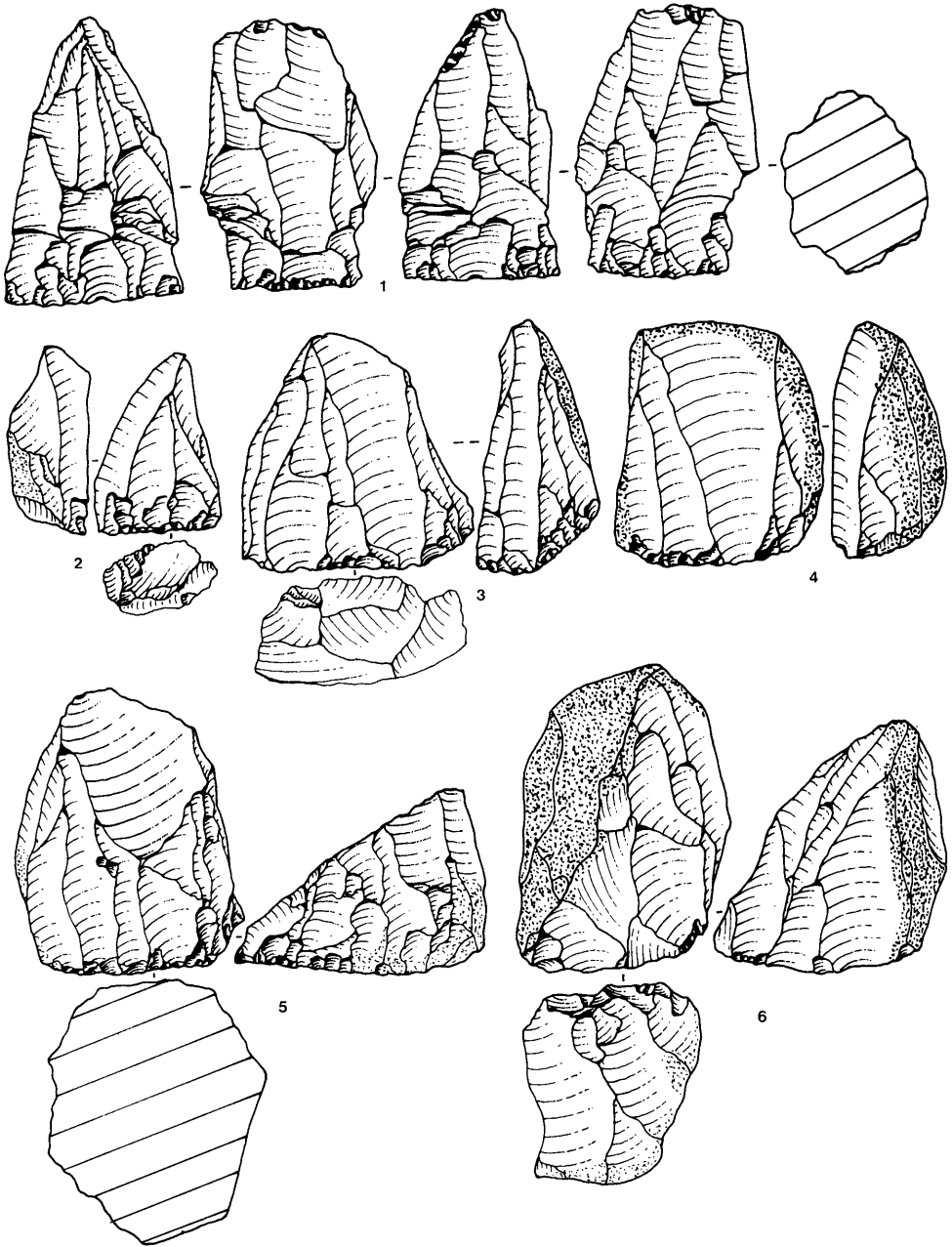


Plate 84 level XVII: 1, 2, 3 and 6. Pyramidal core. 4 and 5. Prismatic blade core with one platform.

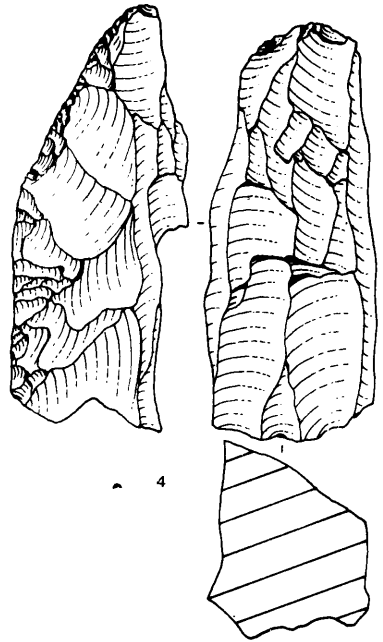
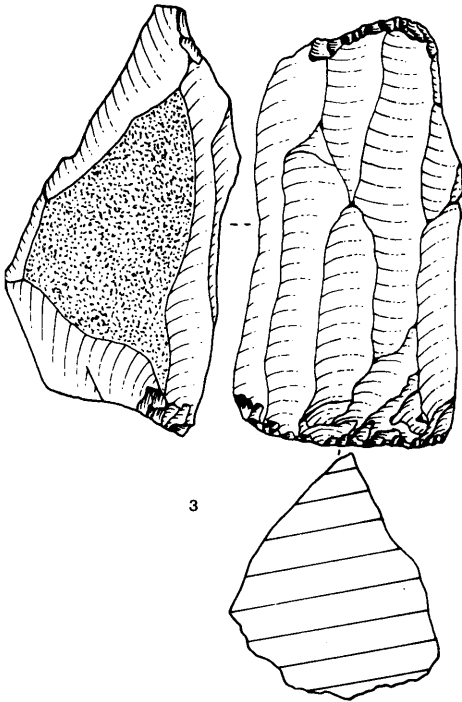
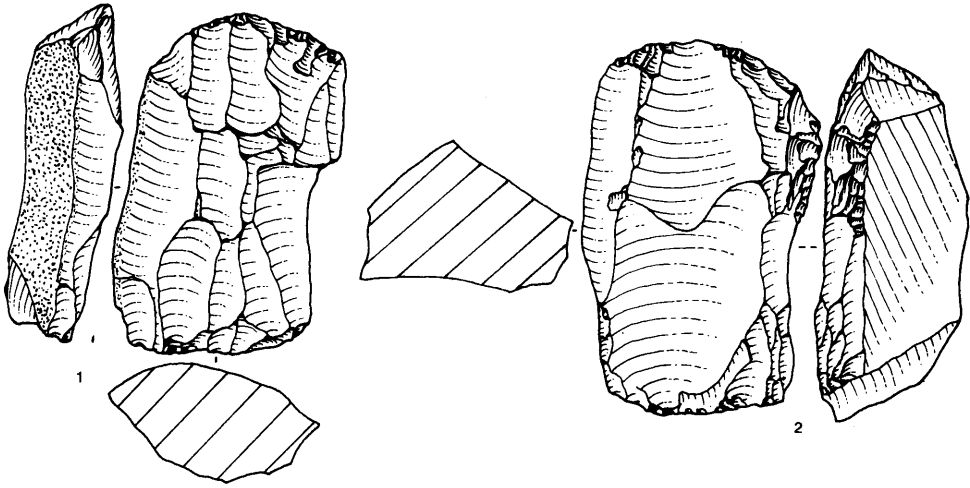


Plate 85 level XVII: 1, 2, 3 and 4. Prismatic blade core with two platforms.

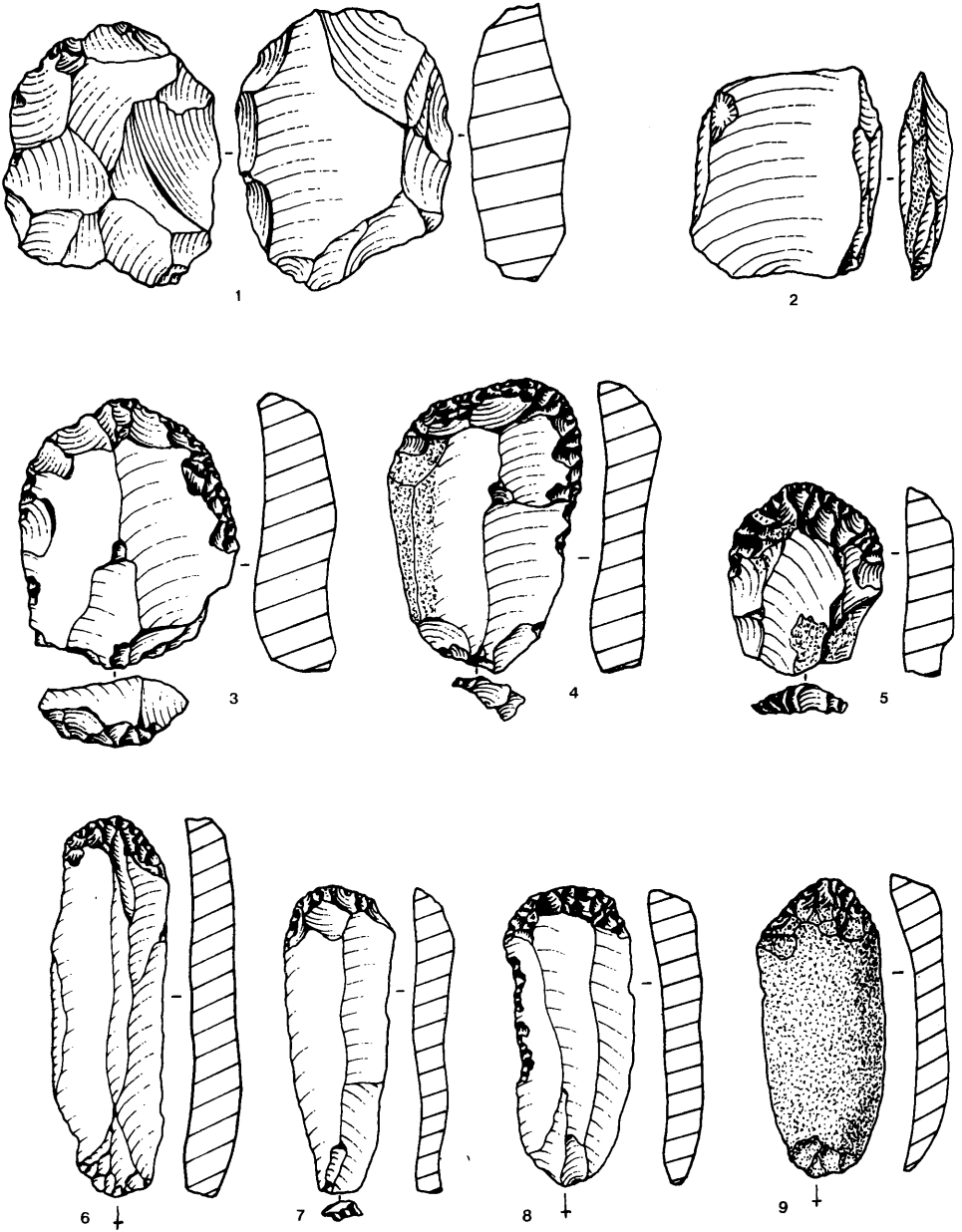


Plate 86 level XVII: 1. Discoidal core. 2. Levallois flake core.

Plate 86 level XVI: 3, 4, 5, 6, 7 and 8. End-scraper. 9. Ogival end-scraper.

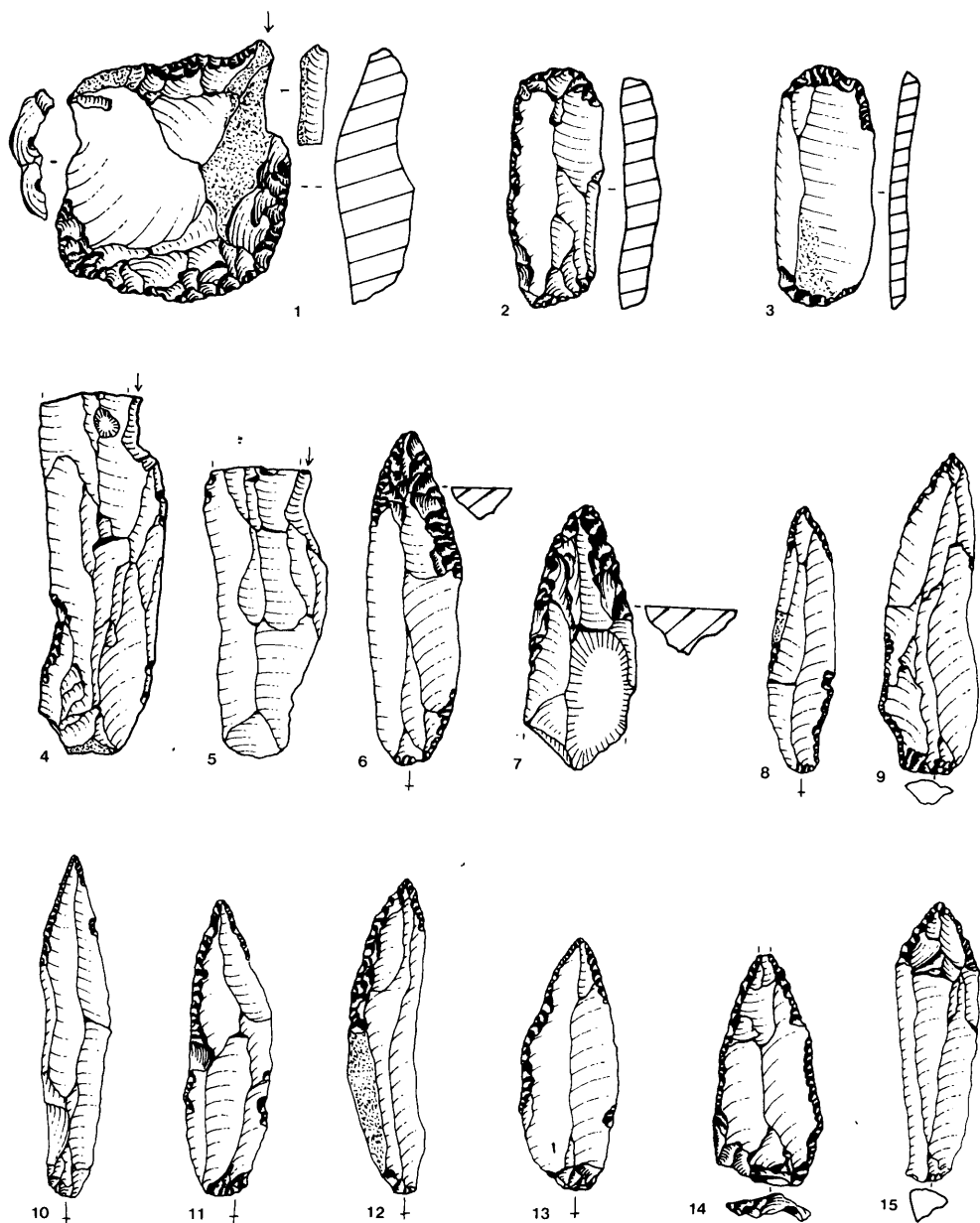


Plate 87 level XVI: 1. End-scraper and burin on a concave retouched truncation. 2 and 3. Double end-scraper. 4 and 5. Dihedral angle burin on a break. 6 and 7. Pointe à face plane. 8, 9, 10, 11, 12, 13, 14 and 15. Blade pointed by retouch.

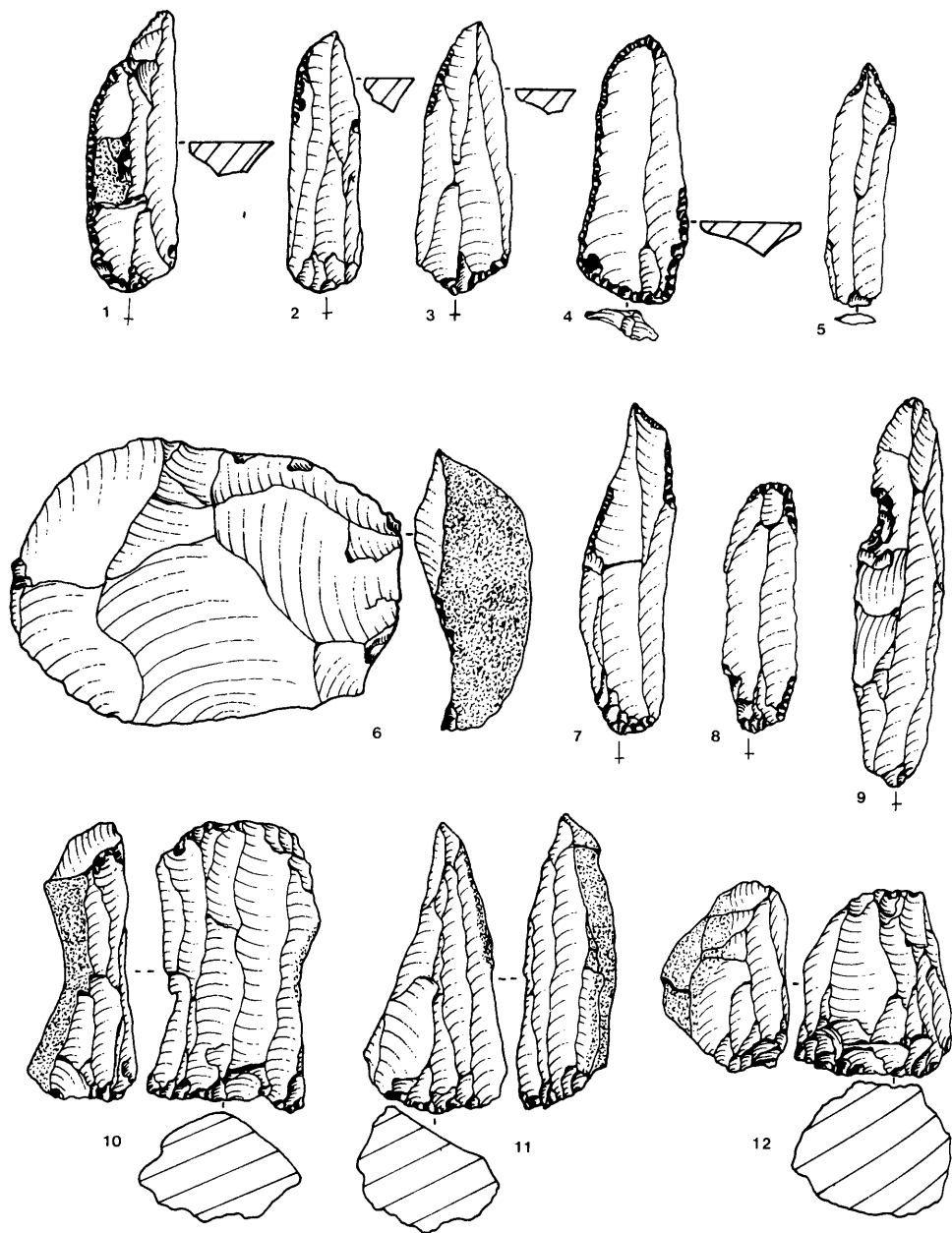


Plate 88 level XVI: 1, 2 and 3. Partially backed piece. 4. Backed piece. 5. Piercer. 6. Levallois flake core. 7. Oblique retouched truncation. 8. Convex retouched truncation. 9. Notched piece. 10 and 12. Prismatic blade core with two platforms. 11. Pyramidal core.

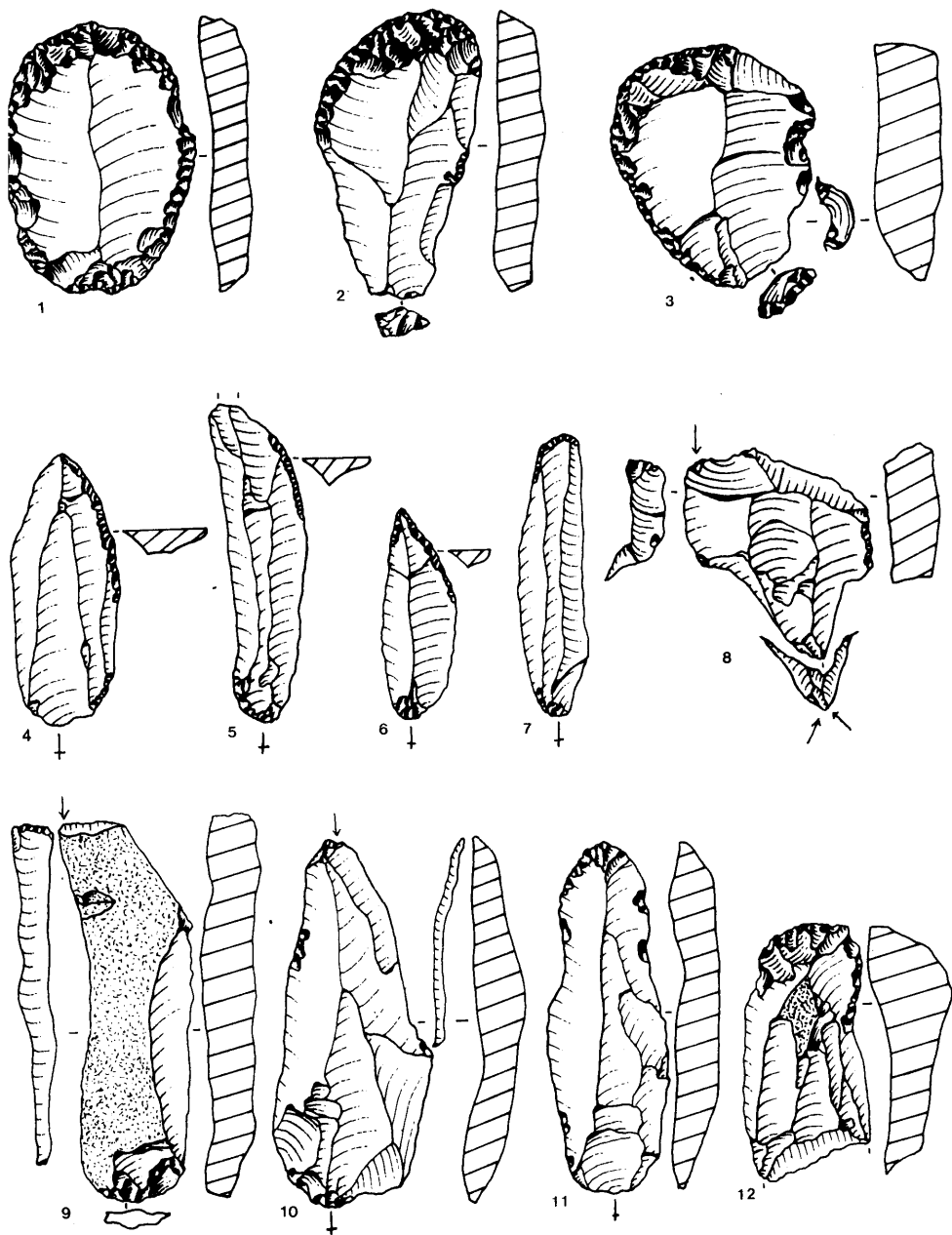


Plate 89 level XV: 1. Double end-scrapers. 2 and 12. End-scrapers. 3. End-scrapers on a retouched flake. 4 and 5. Partially backed pieces. 6. Blade pointed by retouch. 7. Convex retouched truncation. 8. Multiple mixed burin. 10. Dihedral angle burin on a break. 11. Burin on a straight retouched truncation.

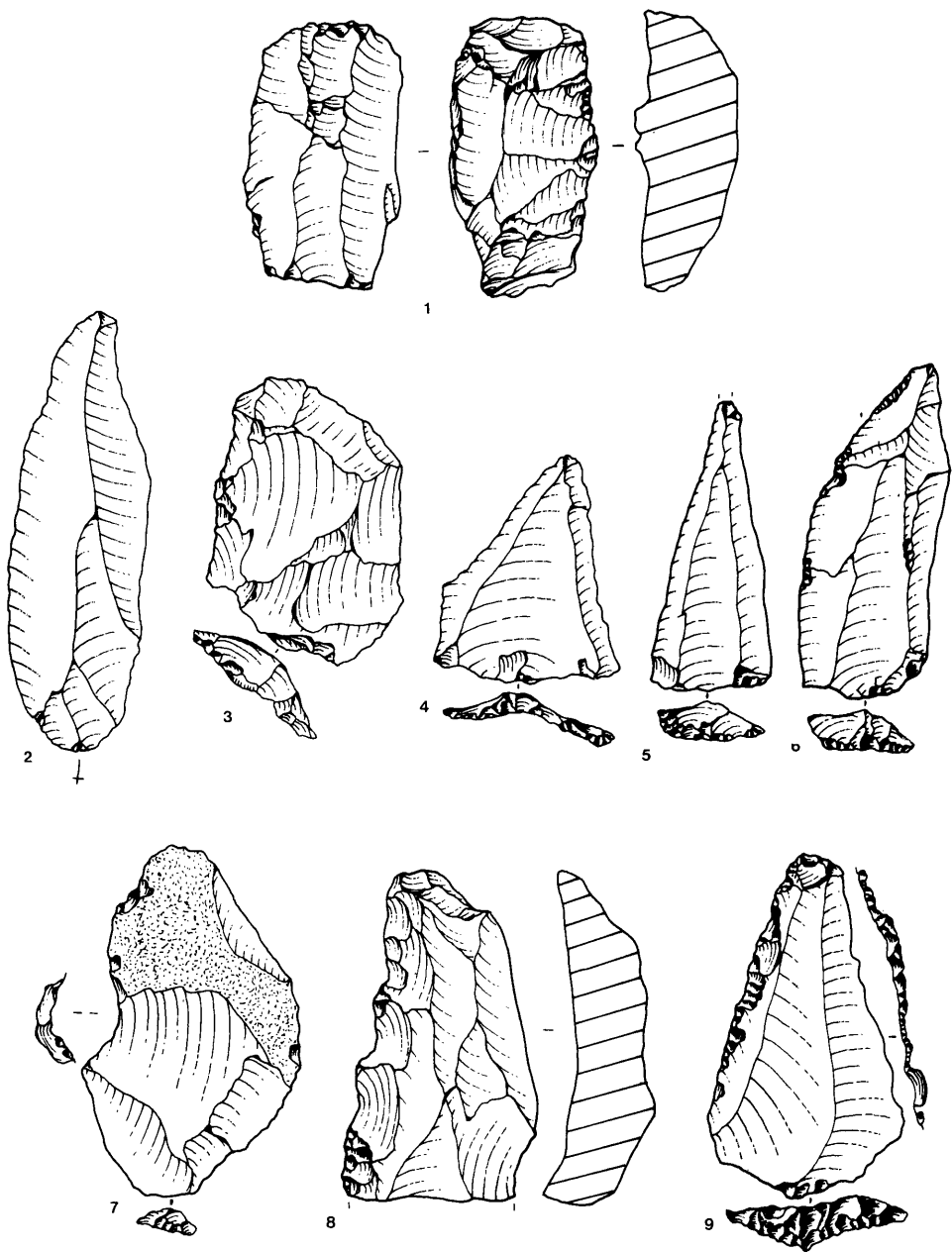


Plate 90 level XV: 1. Prismatic blade core with two platforms. 2. Blade. 3. Levallois flake. 4, 5 and 6. Levallois point. 7. Notched piece. 8. Denticulated piece. 9. Divers.

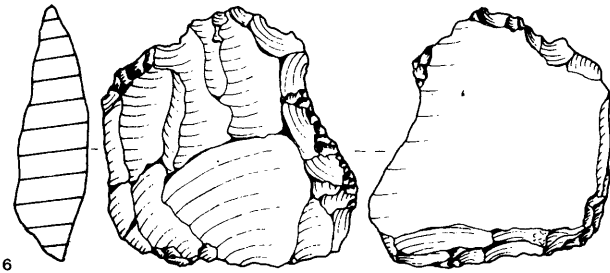
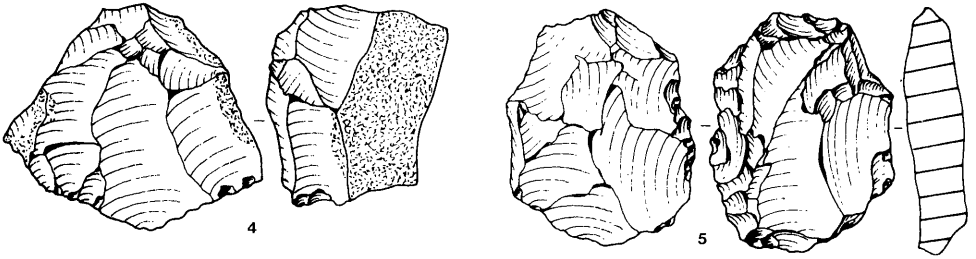
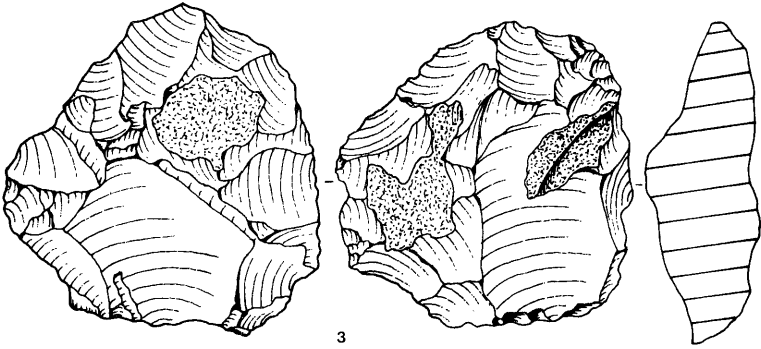
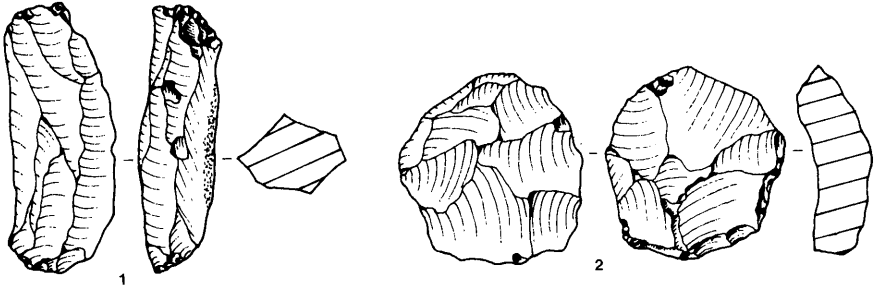


Plate 91 level XV: 3 and 6. Levallois flake core. 4. Levallois point core. 5. Discoidal core.

Plate 91 level XIV: 1. Prismatic blade core with two platforms. 2. Discoidal core.

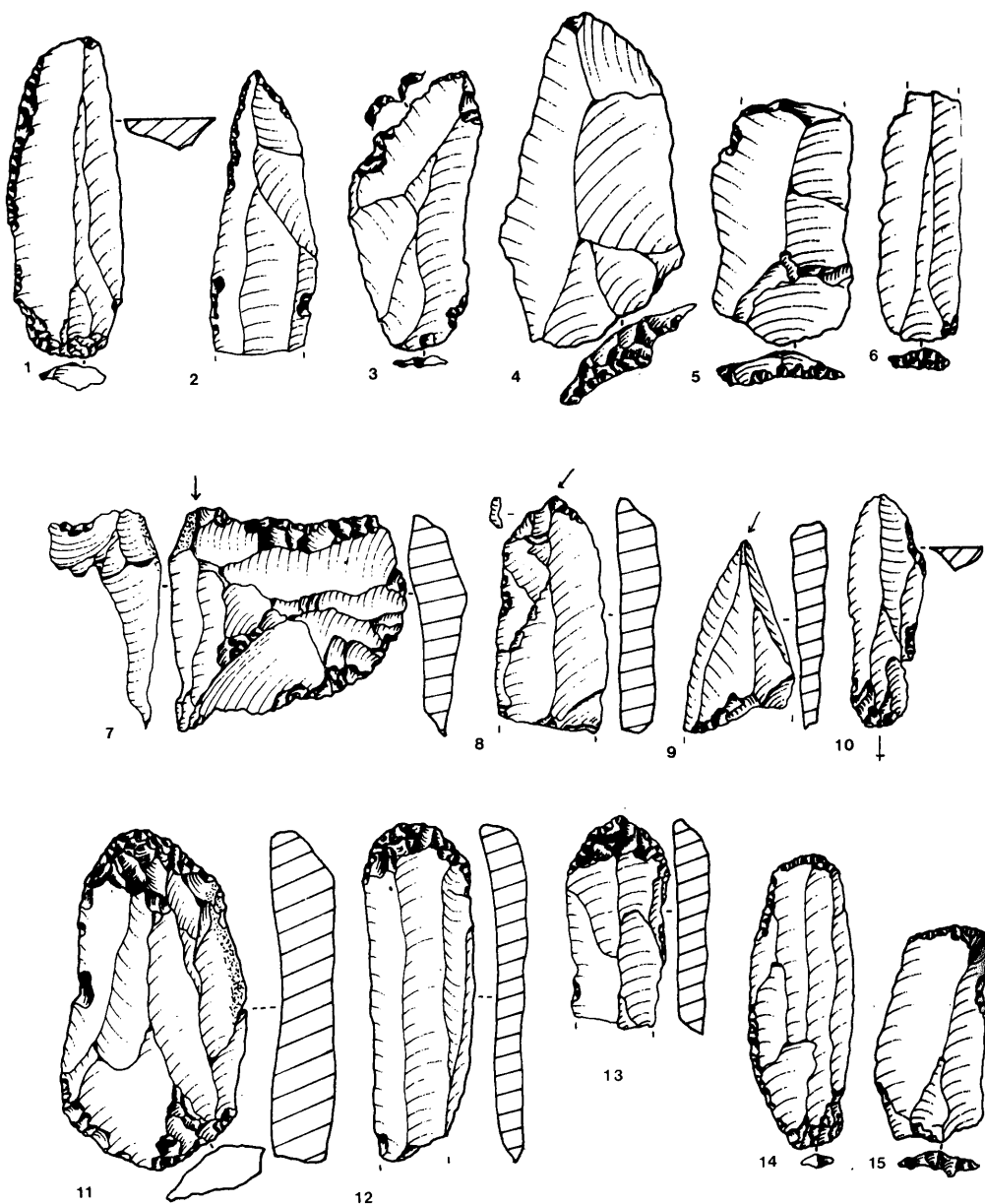


Plate 92 level XIV: 1 and 10. Partially backed piece. 2. Blade pointed by retouch. 3. Denticulated piece. 4, 5 and 6. Levallois blade. 7. Burin on a straight retouched truncation. 8. Burin on an oblique retouched truncation. 9. Dihedral straight burin. 11 and 12. End-scraper. 13. Ogival end-scraper. 14. Convex retouched truncation. 15. Straight retouched truncation.

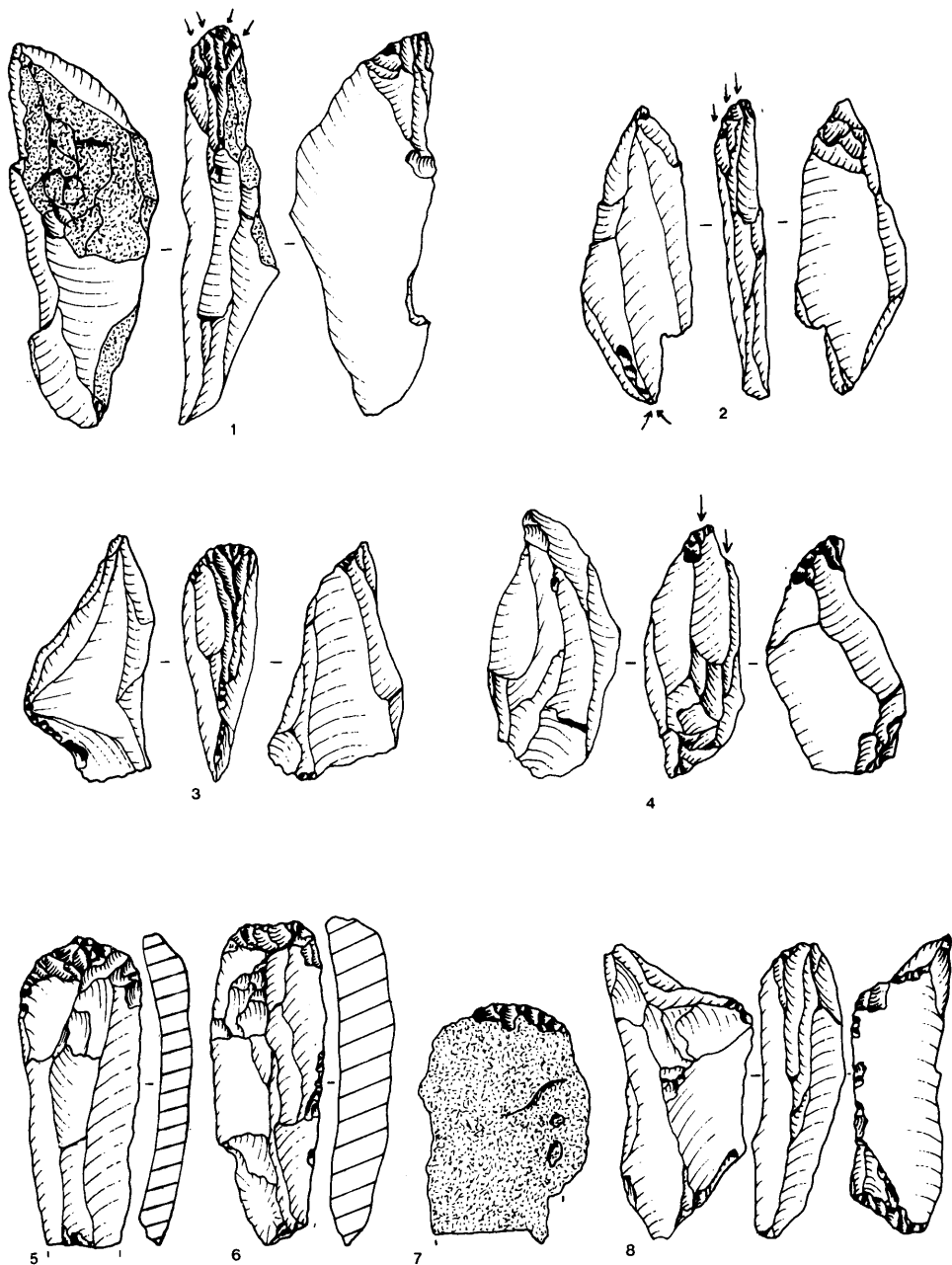


Plate 93 level XIII: 1. Frontal carinated burin. 2. Multiple dihedral burin. 3. Frontal carinated end-scraper. 4. Carinated burin. 5, 6 and 7. End-scraper. 8. Frontal carinated end-scraper.

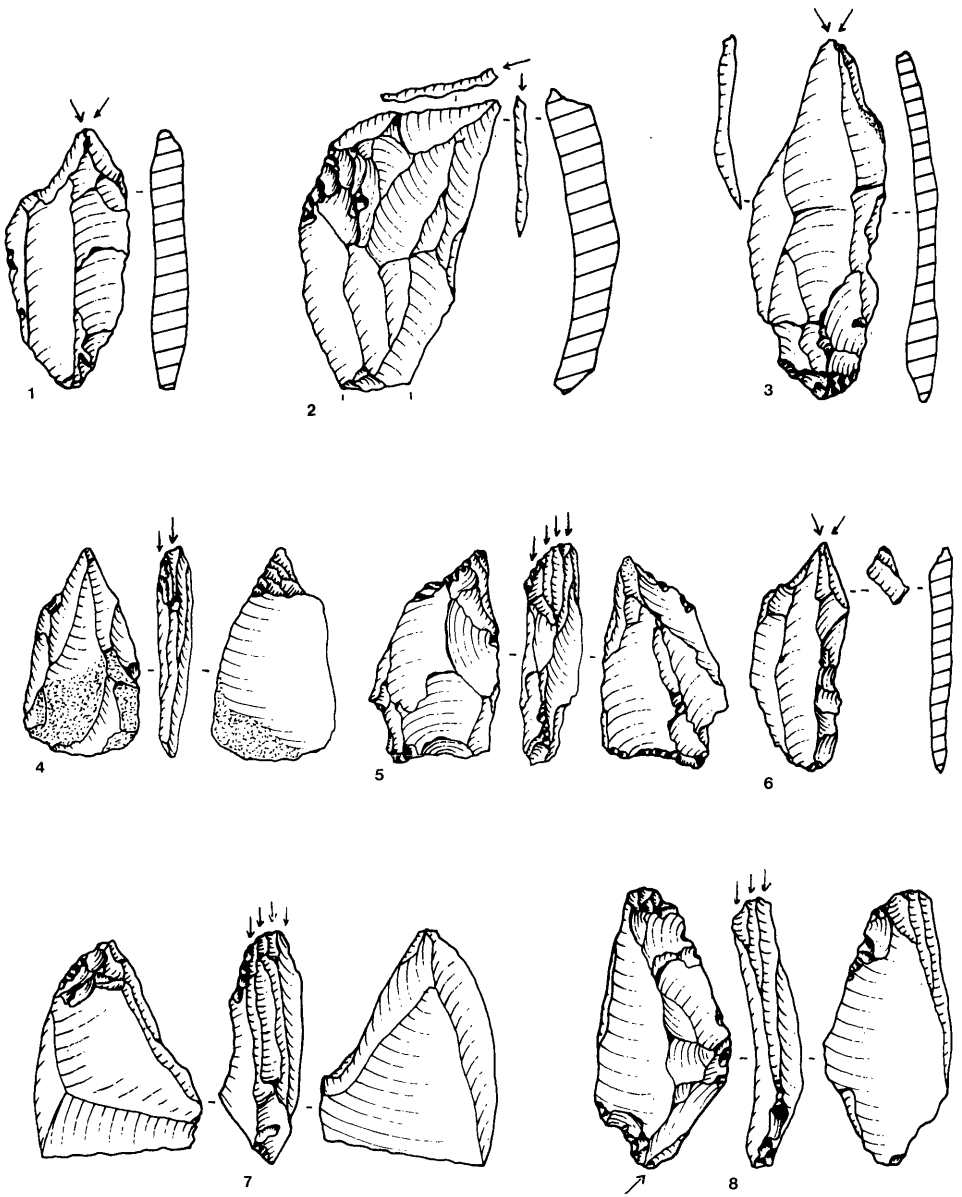


Plate 94 level XIII: 1, 3 and 6. Dihedral asymmetrical burin. 2. Dihedral angle burin. 4, 5 and 8. Flat-faced carinated burin. 7. Frontal carinated burin.

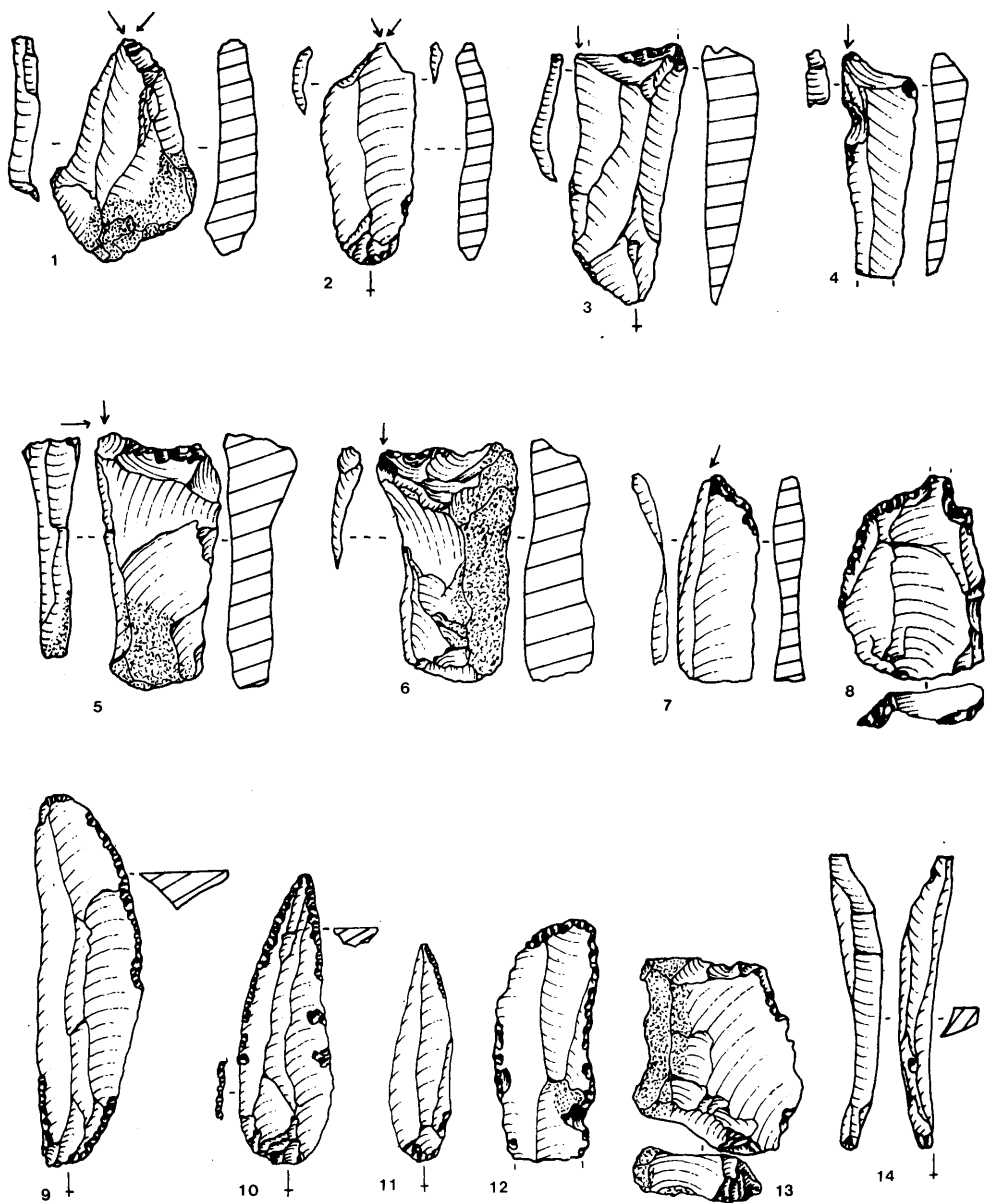


Plate 95 level XIII: 1 and 2. Dihedral asymmetrical burin. 3 and 4. Dihedral angle burin on a break. 5. Dihedral angle burin. 6. Burin on a straight retouched truncation. 7. Burin on an oblique retouched truncation. 8. Piercer. 9. Partially backed piece. 10. Ksar Akil point. 11. Blade pointed by retouch. 12. Convex retouched truncation. 13. Straight retouched truncation. 14. Sharpening burin spall.

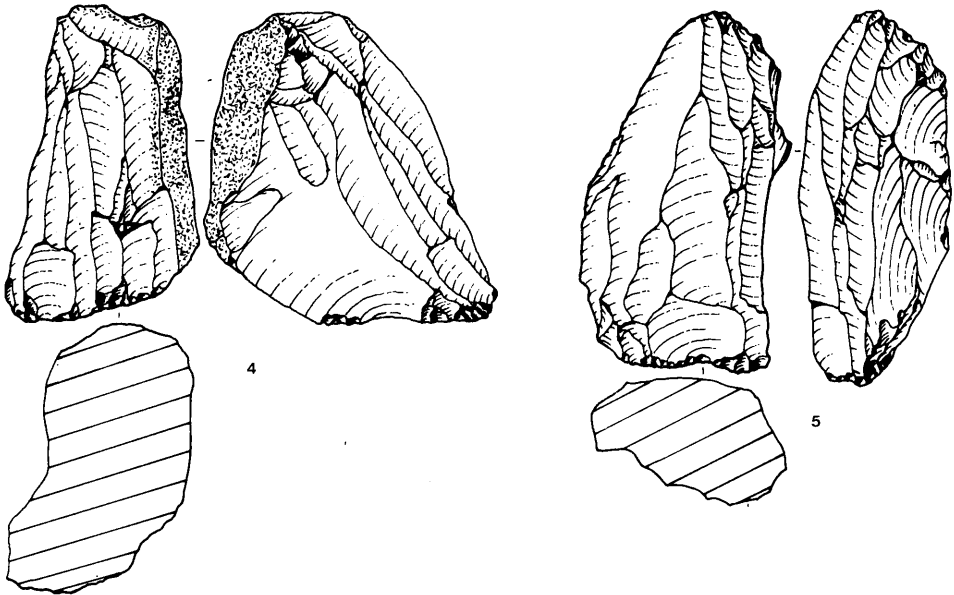
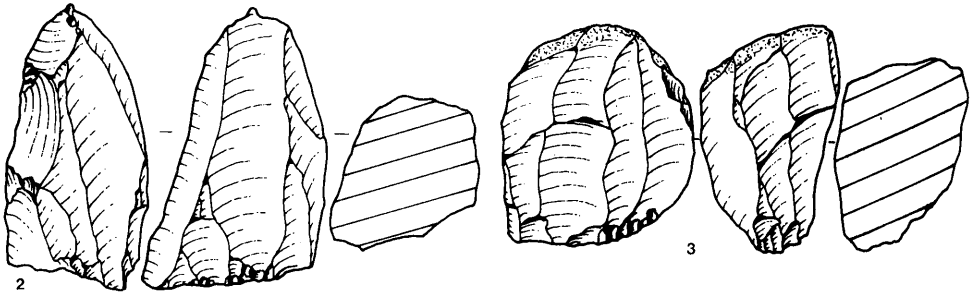
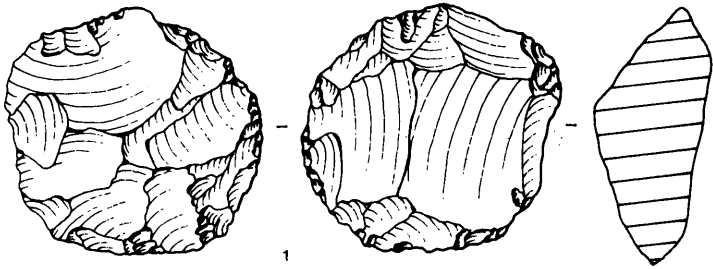


Plate 96 level XIII: 1. Discoidal core. 2, 3 and 4. Prismatic blade core with one platform. 5. Prismatic blade core with two platforms.
 Plate 97 level XII: 1 and 9. End-scraper on a retouched blade. 2. End-scraper on an Aurignacian blade. 3, 5, 6, 8, 10 and 11. End-scraper. 4 and 7. Double end-scraper.

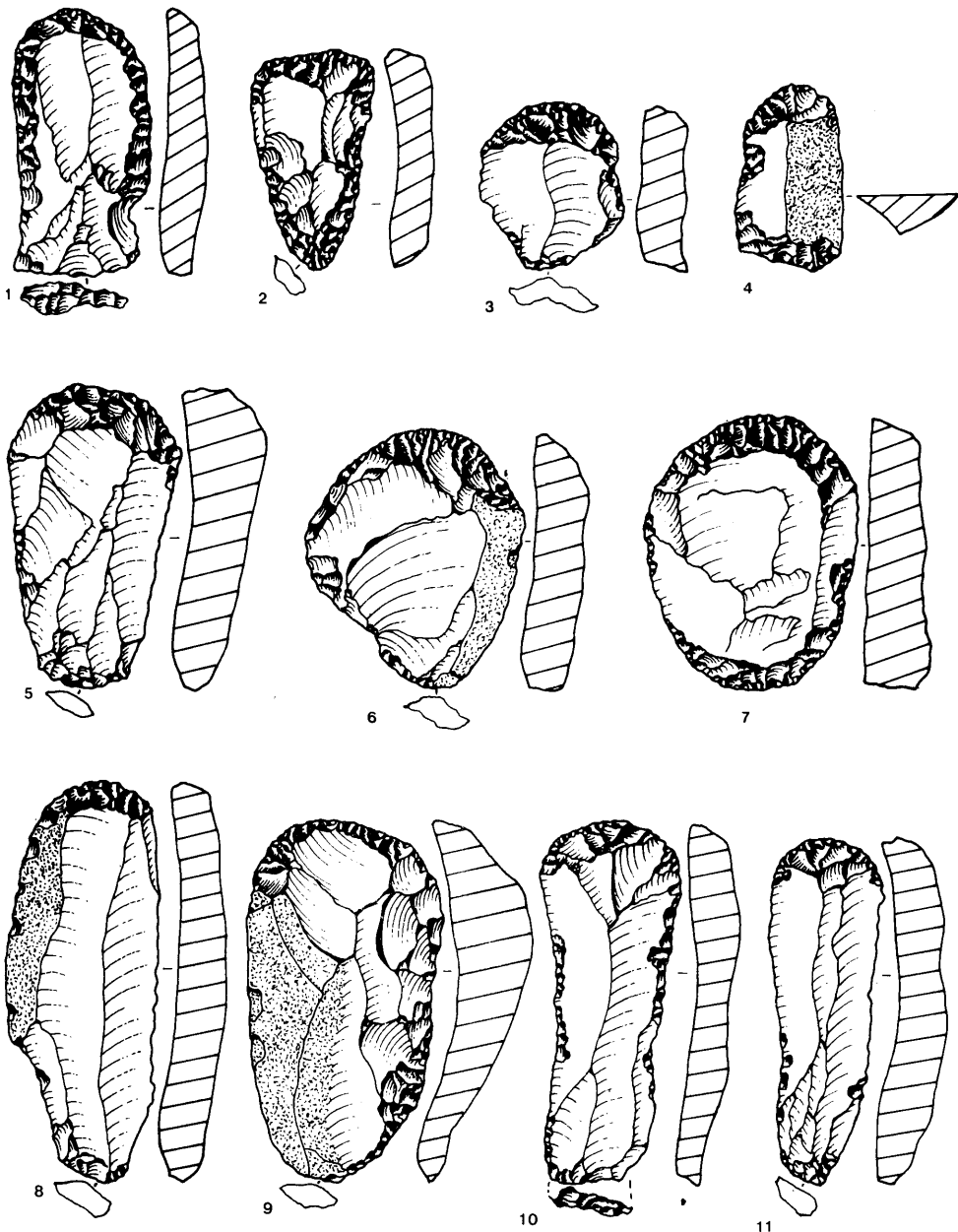


Plate 97 level XII: 1 and 9. End-scraper on a retouched blade. 2. End-scraper on an Aurignacian blade. 3, 5, 6, 8, 10 and 11. End-scraper. 7. Double end-scraper. 4. Double end-scraper.

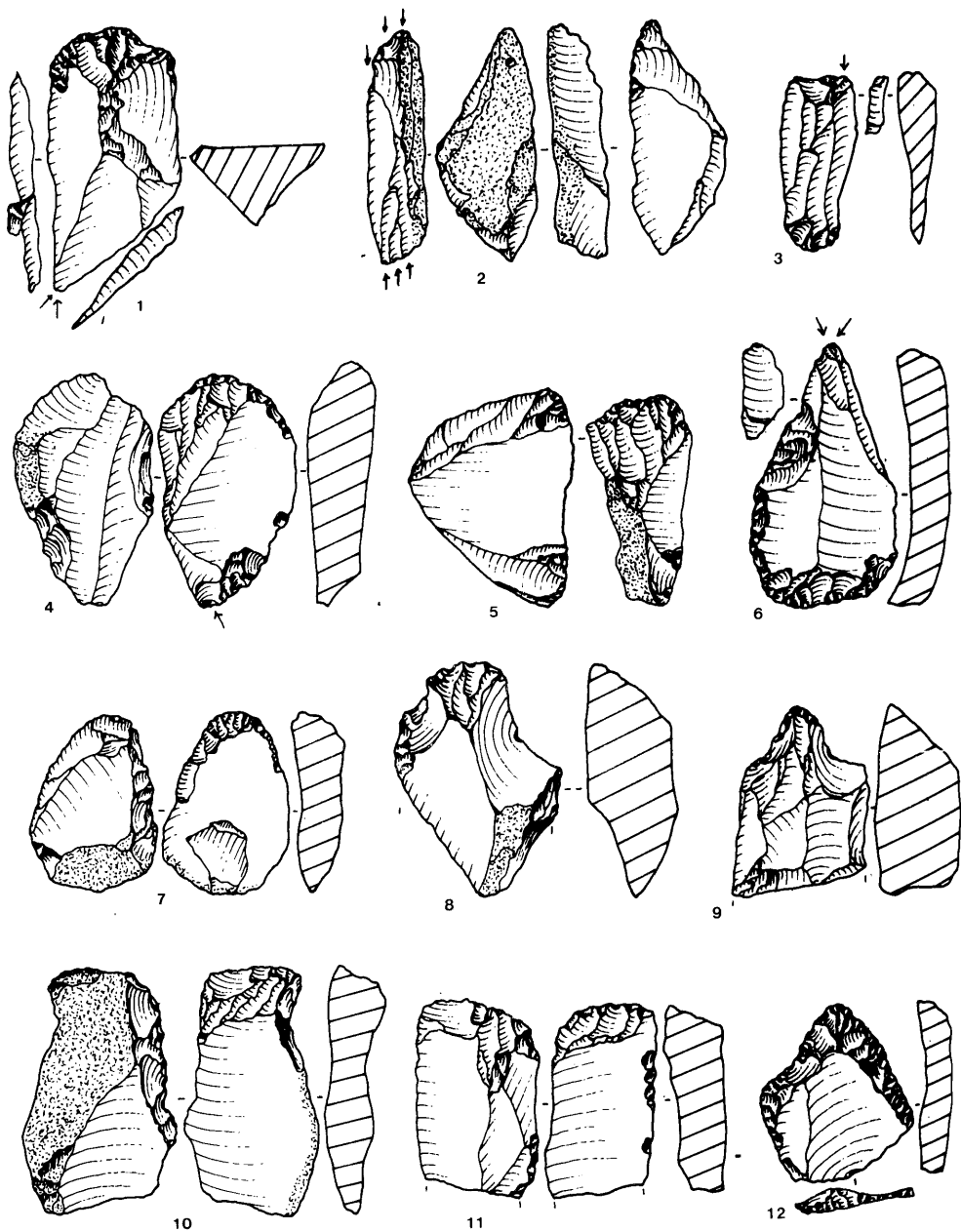


Plate 98 level XII: 1. End-scrapers and dihedral asymmetrical burin. 2. Multiple dihedral burin. 3. End-scrapers and burin on a concave retouched truncation. 4. Inverse end-scrapers and carinated burin. 5. Frontal carinated end-scrapers and flat-faced carinated burin. 6. End-scrapers and dihedral straight burin. 7, 10 and 11. Inverse end-scrapers. 8 and 9. Thick-nosed end-scrapers. 12. Thin-nosed end-scrapers.

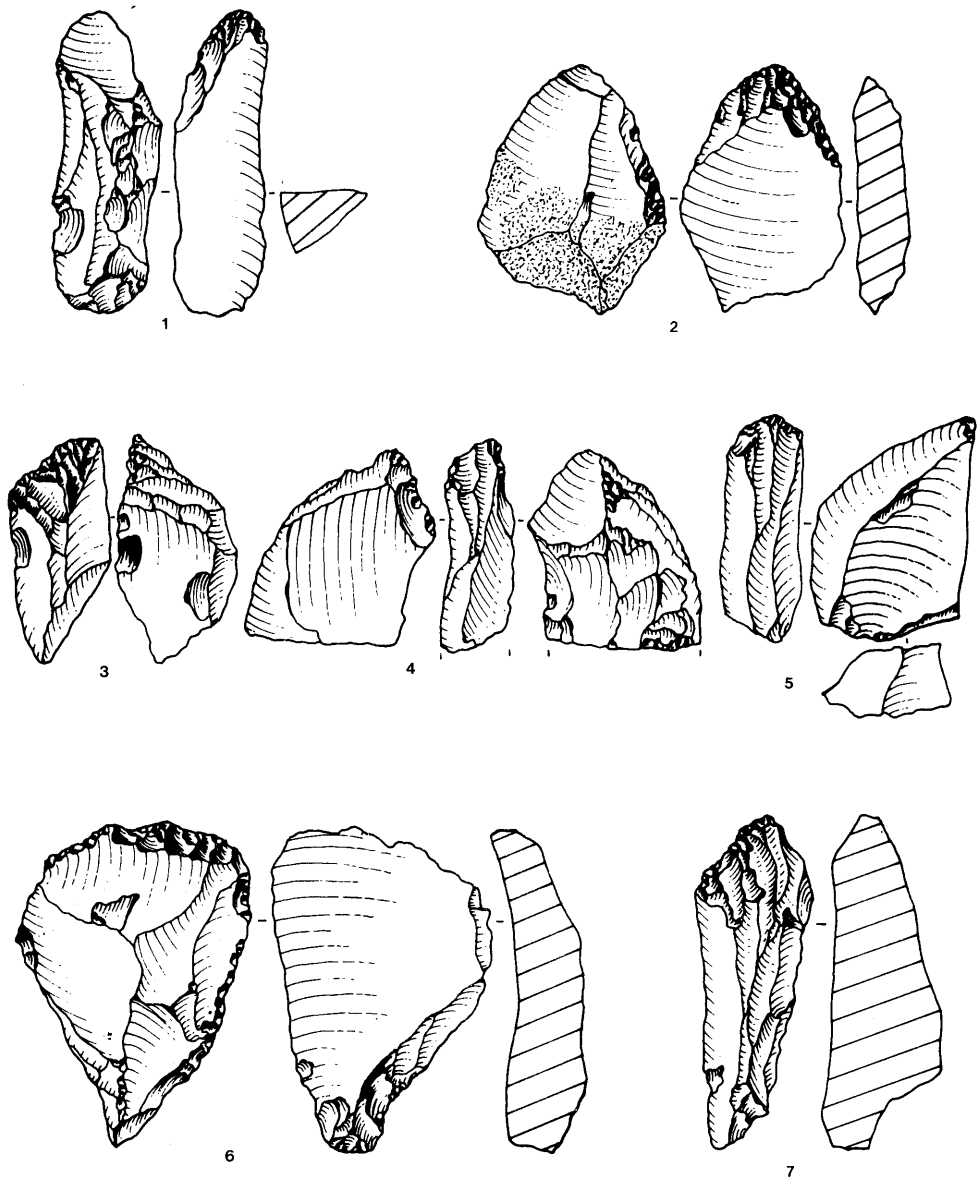


Plate 99 level XII: 1, 2 and 6. Inverse end-scrapers. 3 and 7. Lateral carinated end-scrapers. 4 and 5. Frontal carinated end-scrapers.

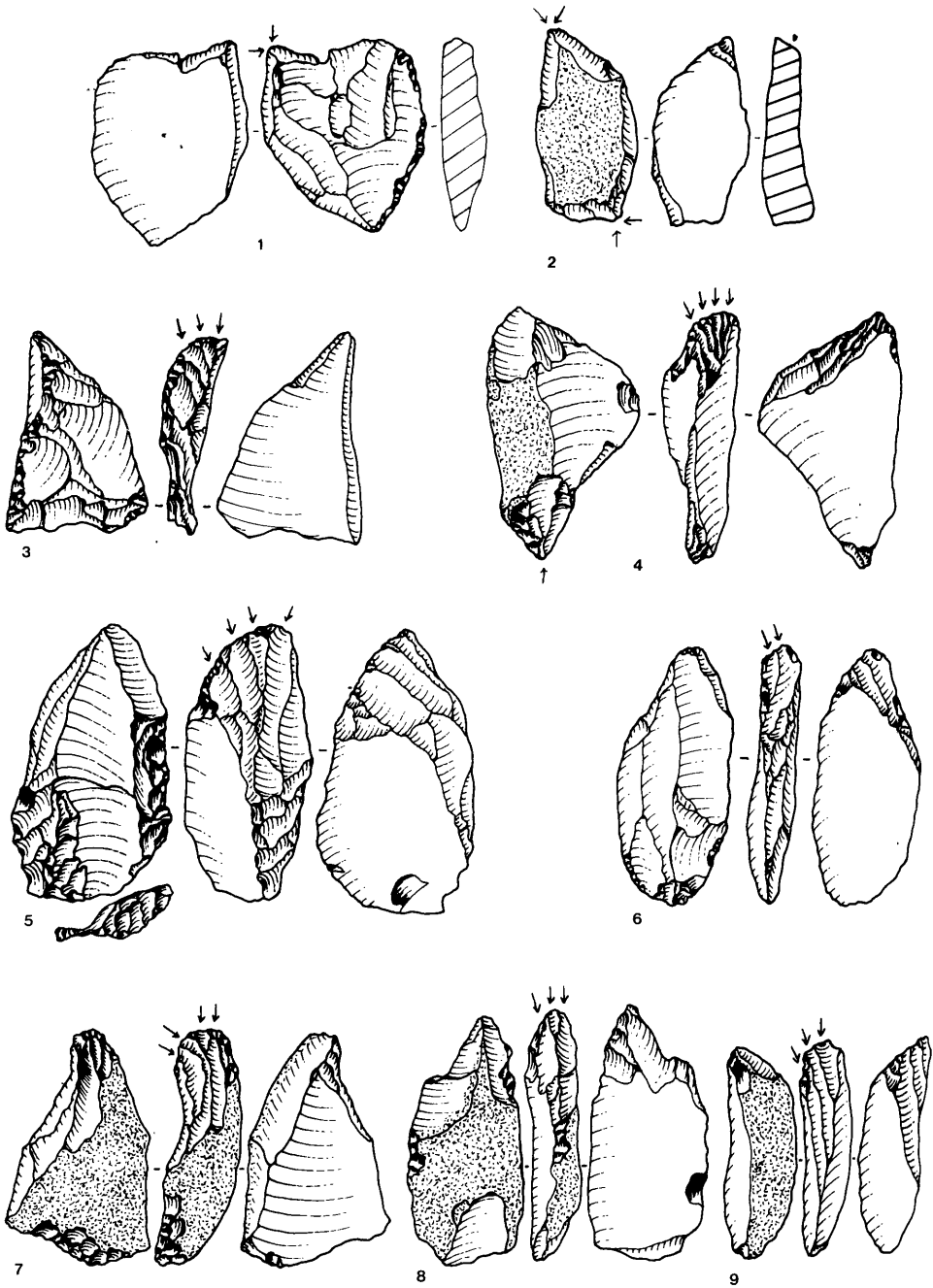


Plate 100 level XII: 1. Dihedral angle burin. 2. Multiple dihedral burin. 3, 5, 6, 8 and 9. Flat-faced carinated burin. 4. Multiple mixed burin. 7. Carinated burin.

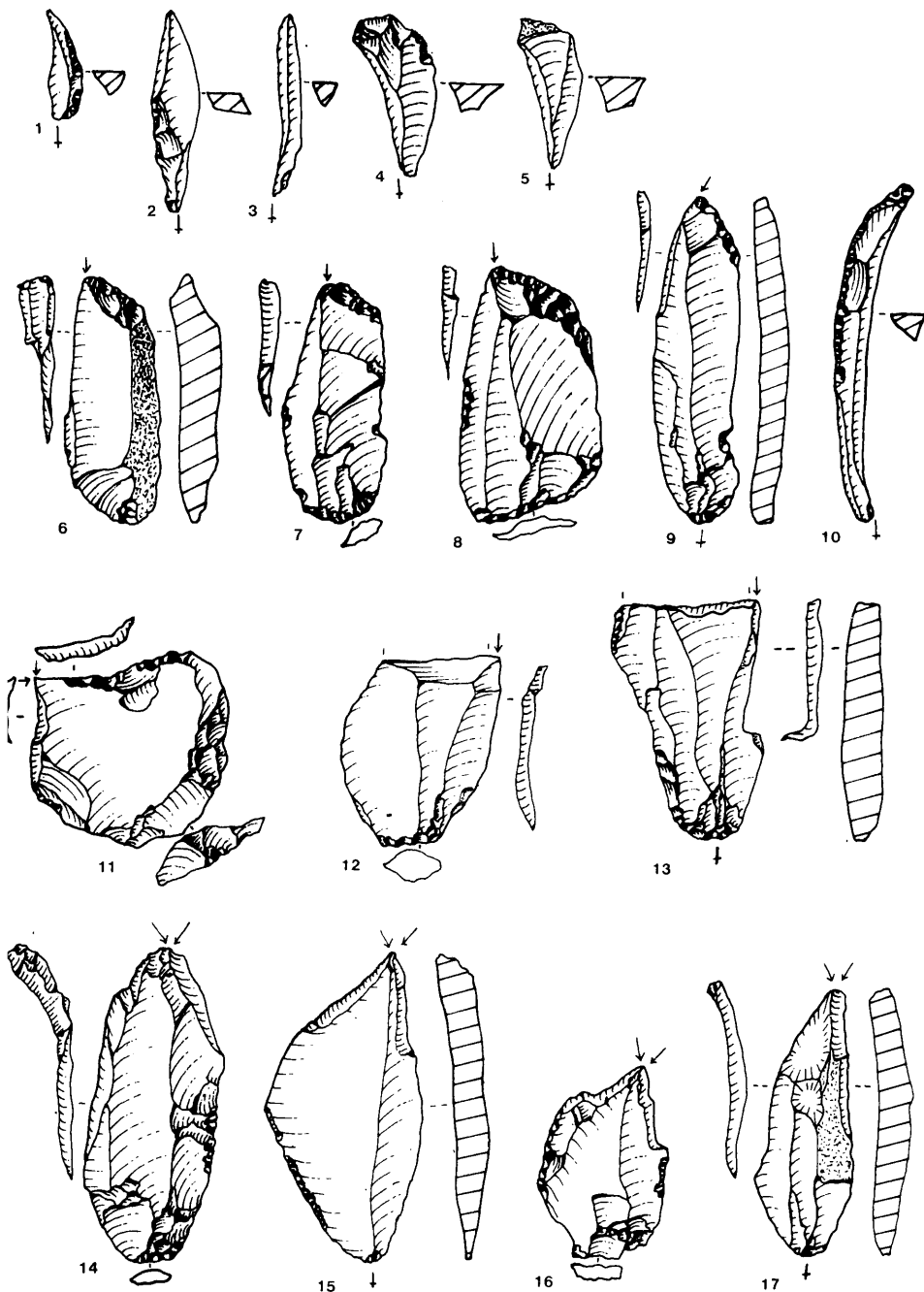


Plate 101 level XII: 1 and 2. Burin spall with dorsal preparation. 3. Sharpening burin spall. 4. Plunging burin spall with dorsal preparation. 5. Plunging and sharpening burin spall. 6, 7, 8 and 9. Burin on an oblique retouched truncation. 10. Sharpening burin spall with dorsal preparation. 11. Dihedral angle burin. 12 and 13. Dihedral angle burin on a break. 14. Dihedral straight burin. 15, 16 and 17. Dihedral straight burin.

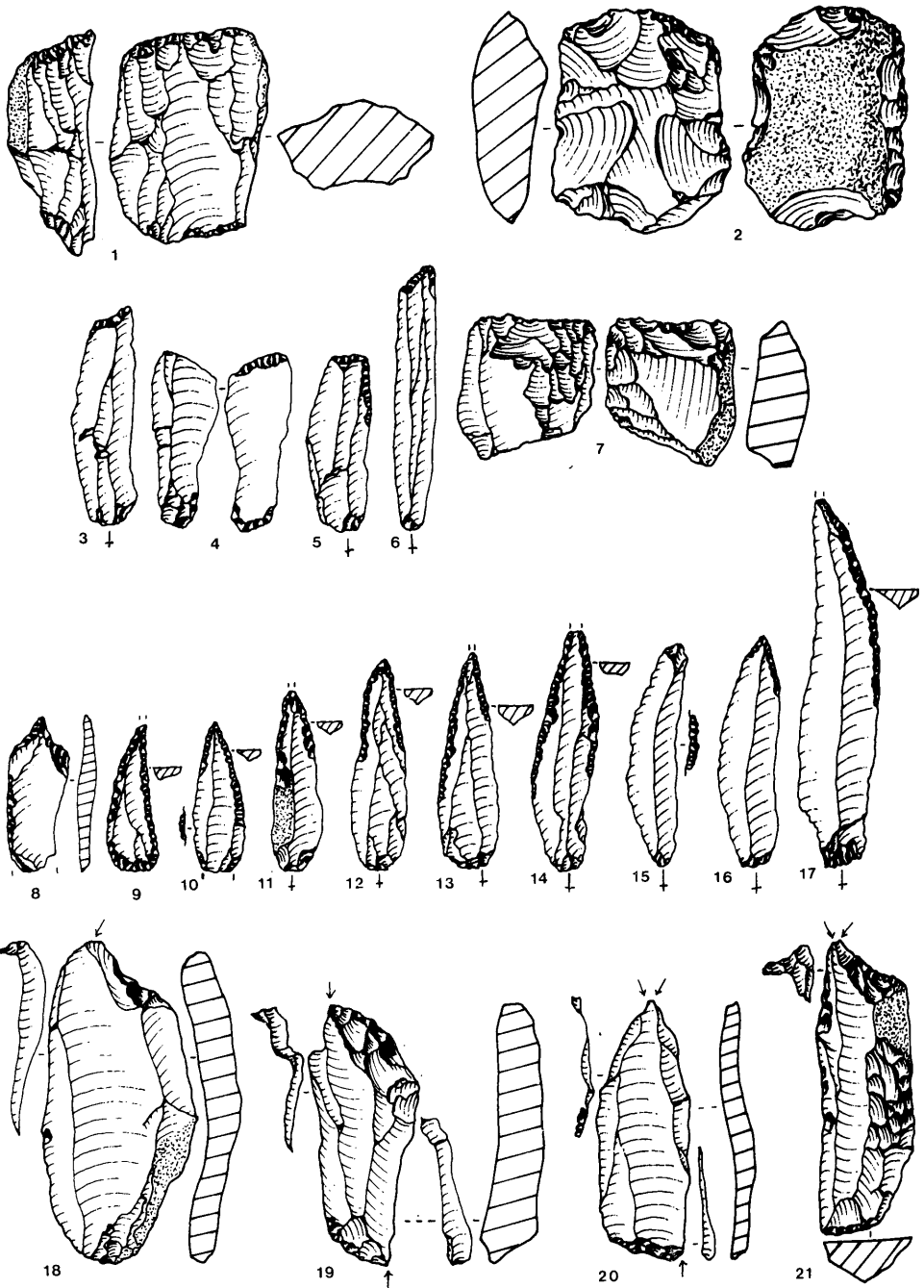


Plate 102 level XII: 1. Prismatic blade core with two platforms. 2. Discoidal core. 3. Concave retouched truncation. 4. Double truncation. 5. Straight retouched truncation. 6. Truncated bladelet. 7. Splintered piece. 8. Piercer. 9, 10, 11, 12, 13 and 14. Ksar Akil point. 15. Bladelet with inverse retouch. 16. Blade pointed by retouch. 17. Partially backed piece. 18. Burin on a concave retouched truncation. 19. Multiple truncation burin. 20. Multiple mixed burin. 21. Dihedral asymmetrical burin and oblique retouch ~~and truncation.~~

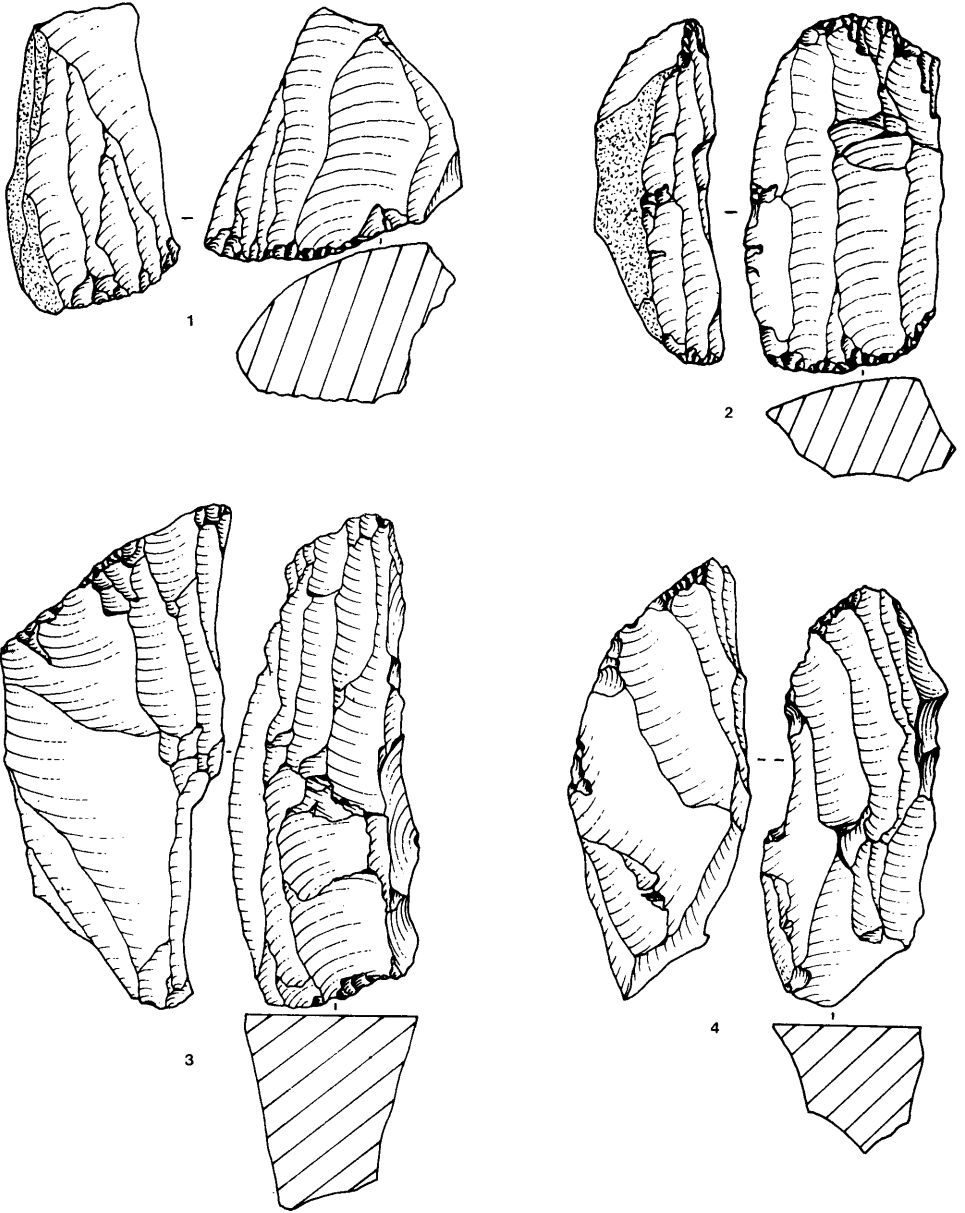


Plate 103 level XII: 1 and 4. Prismatic blade core with one platform.
 2 and 3. Prismatic blade core with two platforms.

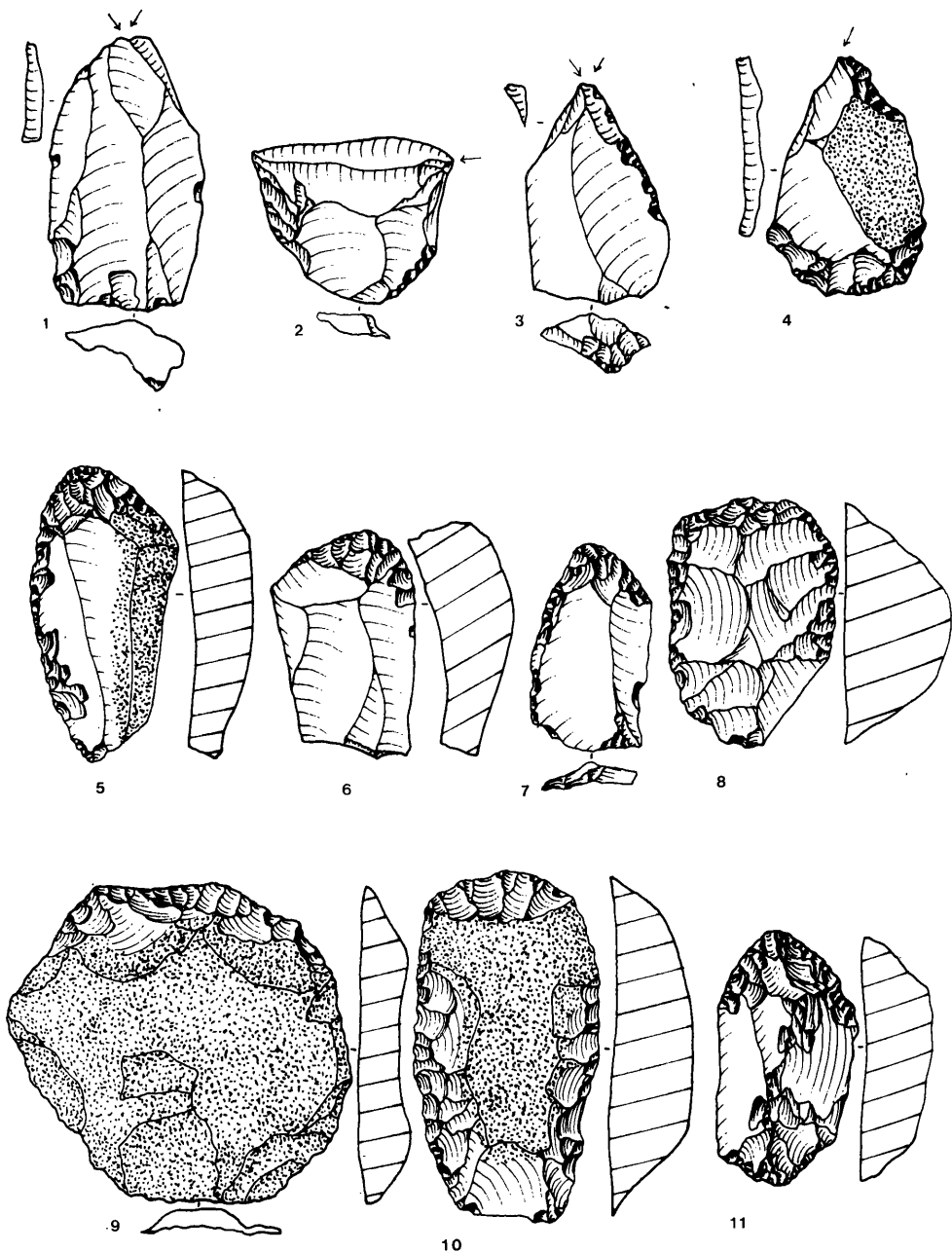


Plate 104 level IVf: 1 and 3. Dihedral straight burin. 2. Dihedral angle burin. 4. End-scraper and burin on a concave truncation. 5 and 7. Ogival end-scraper. 6. Atypical end-scraper. 8 and 10. End-scraper on a retouched flake. 9. End-scraper. 11. Double end-scraper.

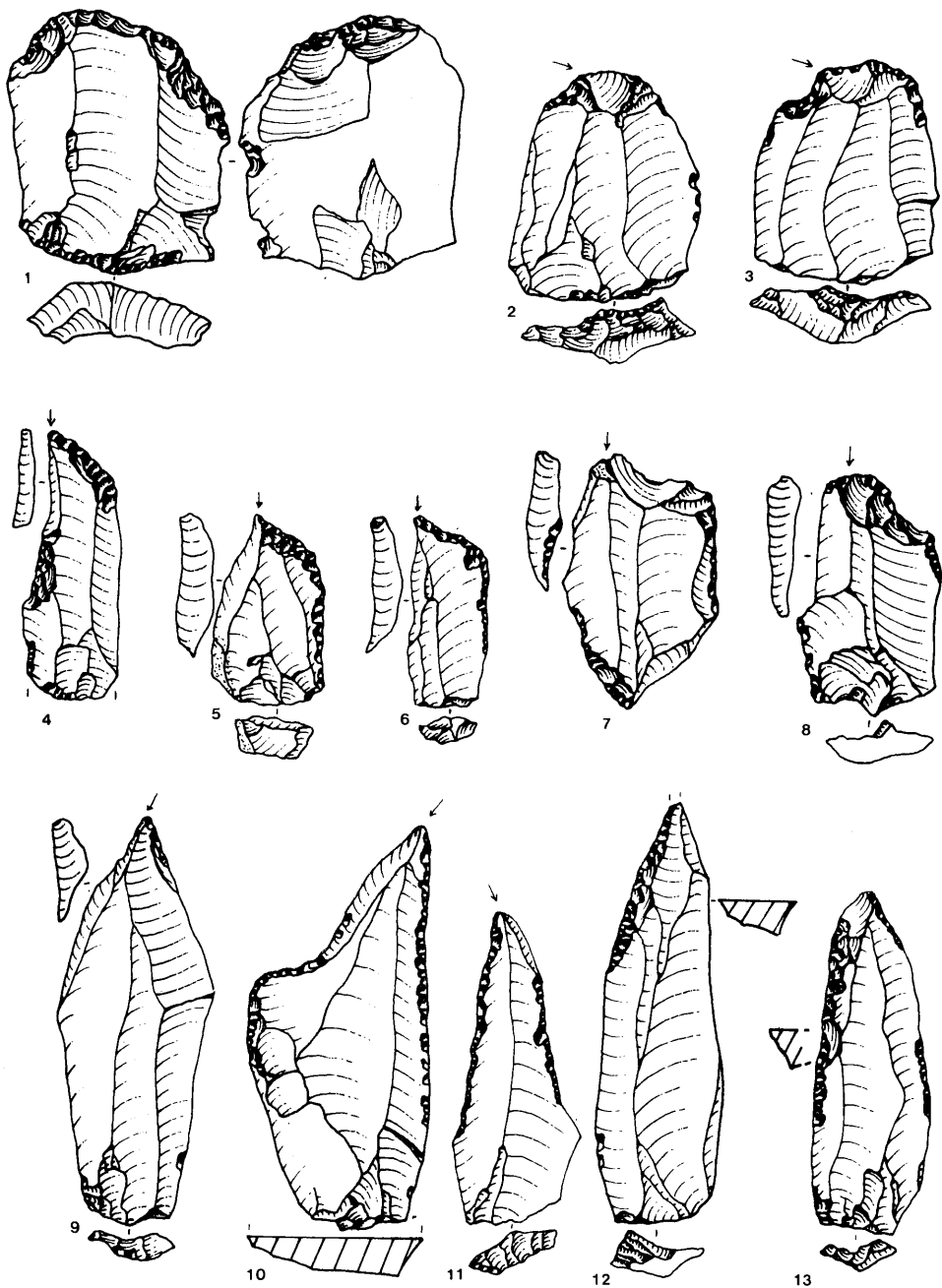


Plate 105 level IVf: 1. Splintered piece. 2. Chamfered piece on an oblique retouched truncation. 3. Chamfered piece on a concave retouched truncation. 4. Burin on a convex retouched truncation. 5 and 6. Burin on an oblique retouched truncation. 7. Multiple truncation burin. 8. Burin on a concave retouched truncation. 9, 10 and 11. Burin on a lateral preparation. 12 and 13. Partially backed piece.

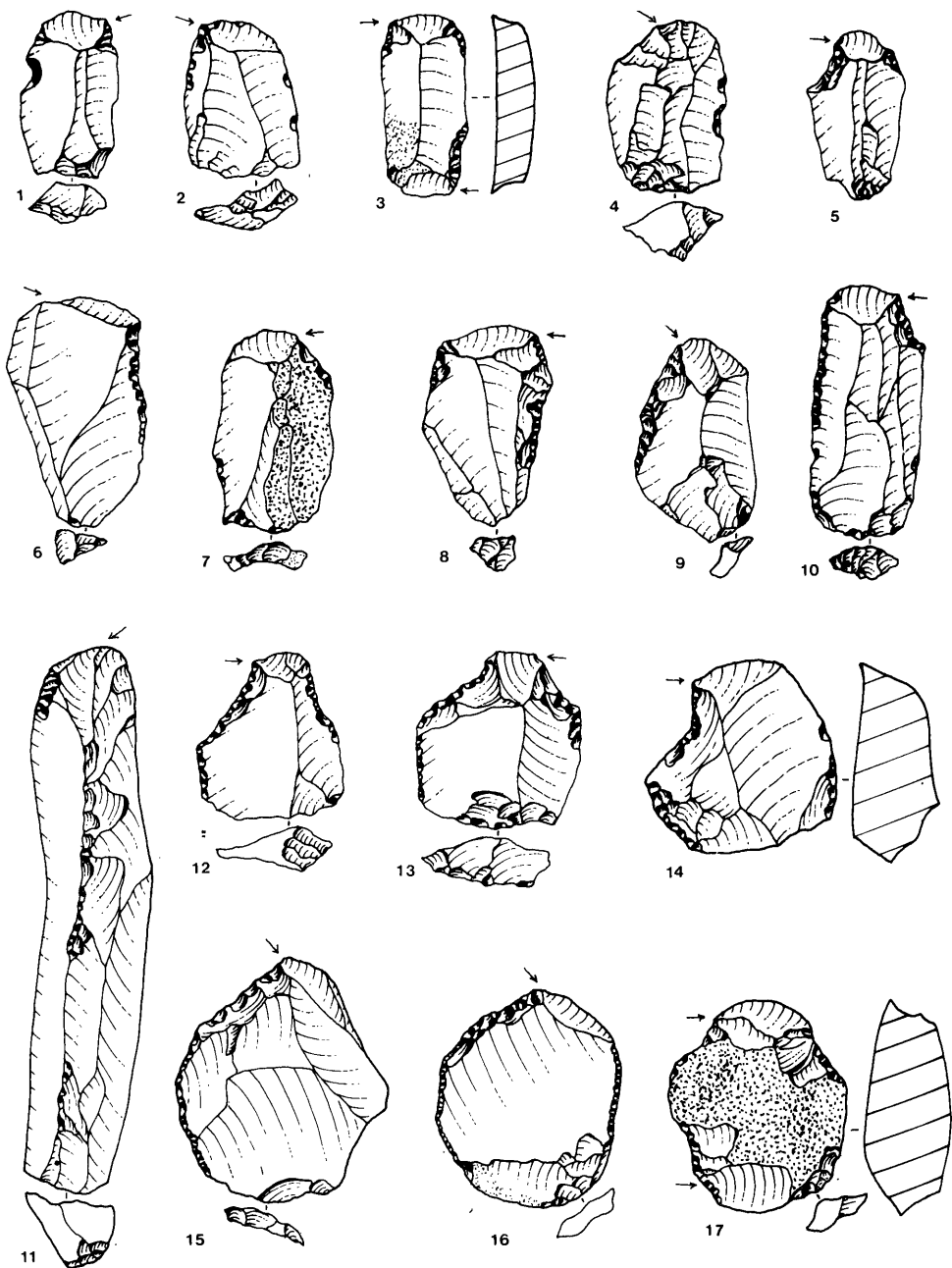


Plate 106 Abu Halka level IVf: 1, 2, 6 and 11. Chamfered piece on a lateral preparation. 3 and 17. Multiple chamfered piece. 4, 7, 9 and 15. Chamfered piece on an oblique retouched truncation. 5, 10, 12, 13 and 14. Chamfered piece on a concave retouched truncation. 16. Chamfered piece on a convex retouched truncation.

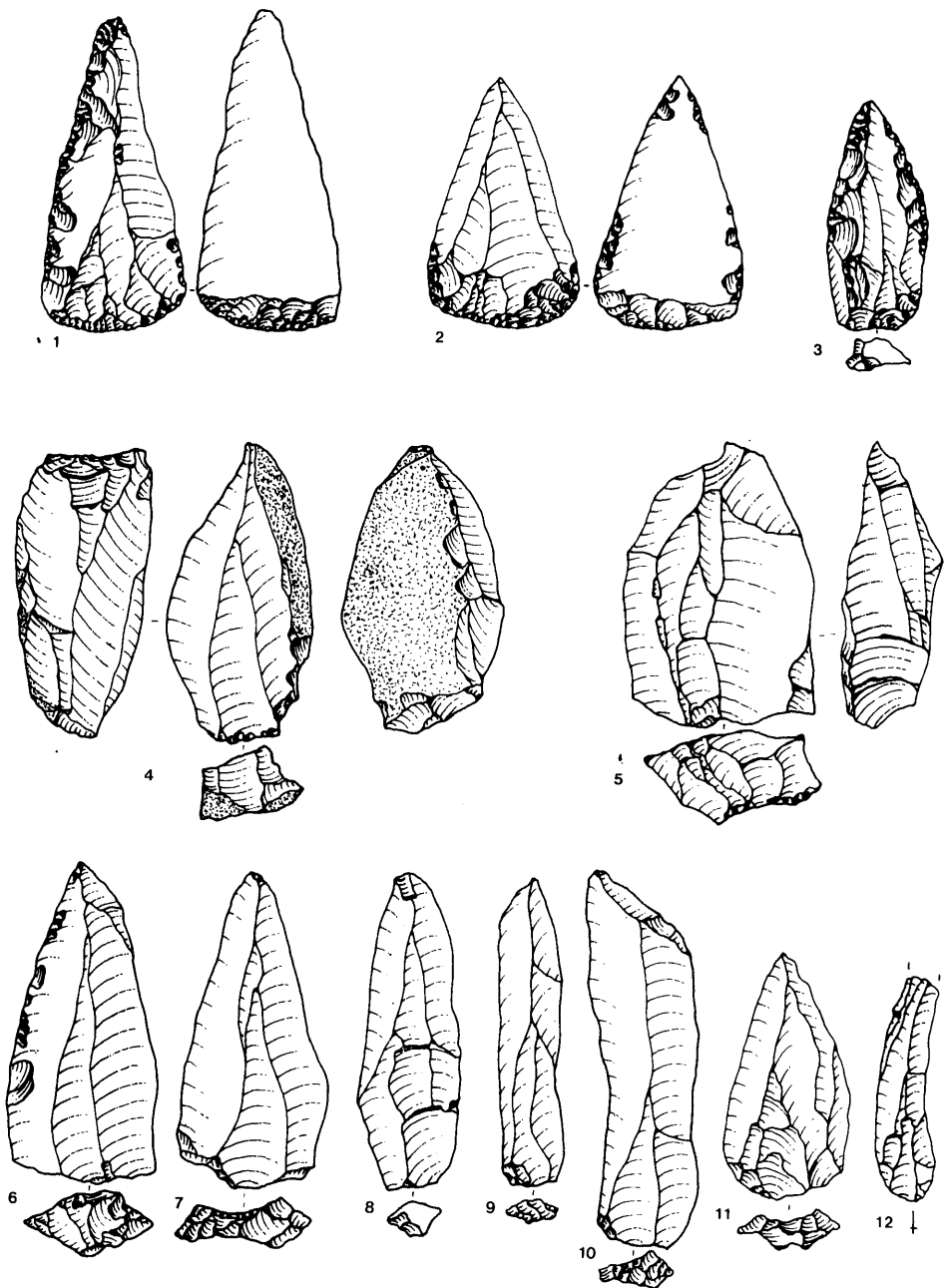
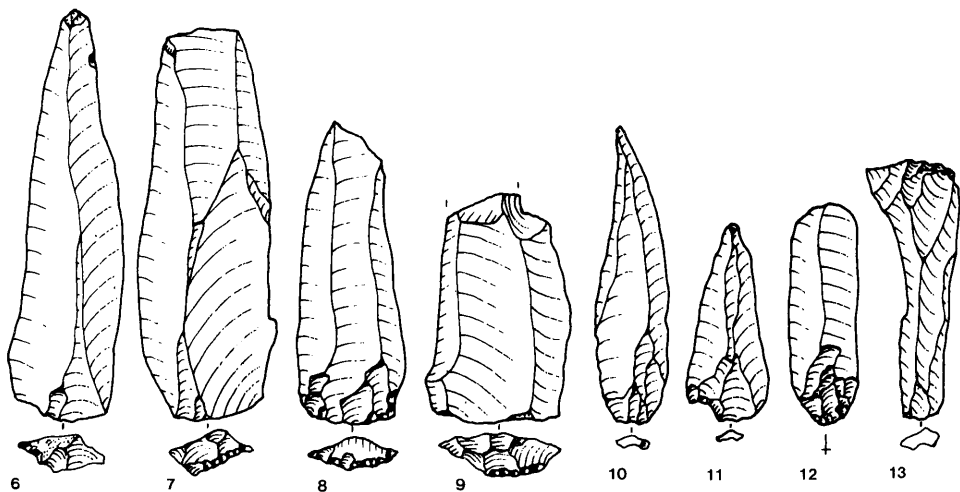
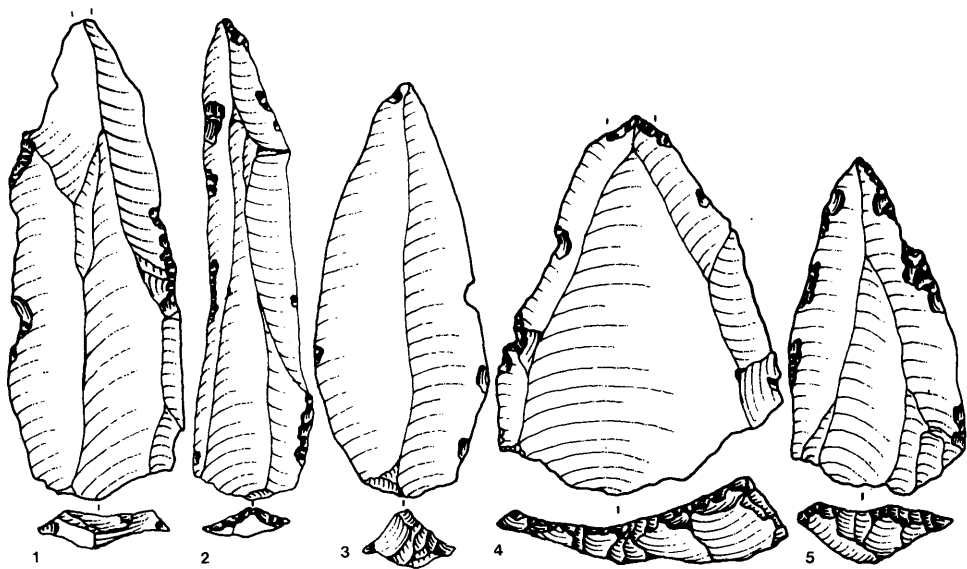


Plate 107 Abu Halka level IVf: 1, 2 and 3. Divers (1 and 2. Emireh point. 3. Mousterian point). 4. Levallois point core. 5. Levallois blade core. 6, 7 and 11. Levallois point. 8, 9 and 10. Levallois blade. 12. Blade.



Platè 108 Abu Halka level IVf: 1 and 2. Levallois blade. 3. Levallois point.

Plate 108 Abu Halka level IVe: 6. Levallois point. 7, 8 and 9. Levallois blade. 10, 11 and 12. Blade. 13. Plunging blade.

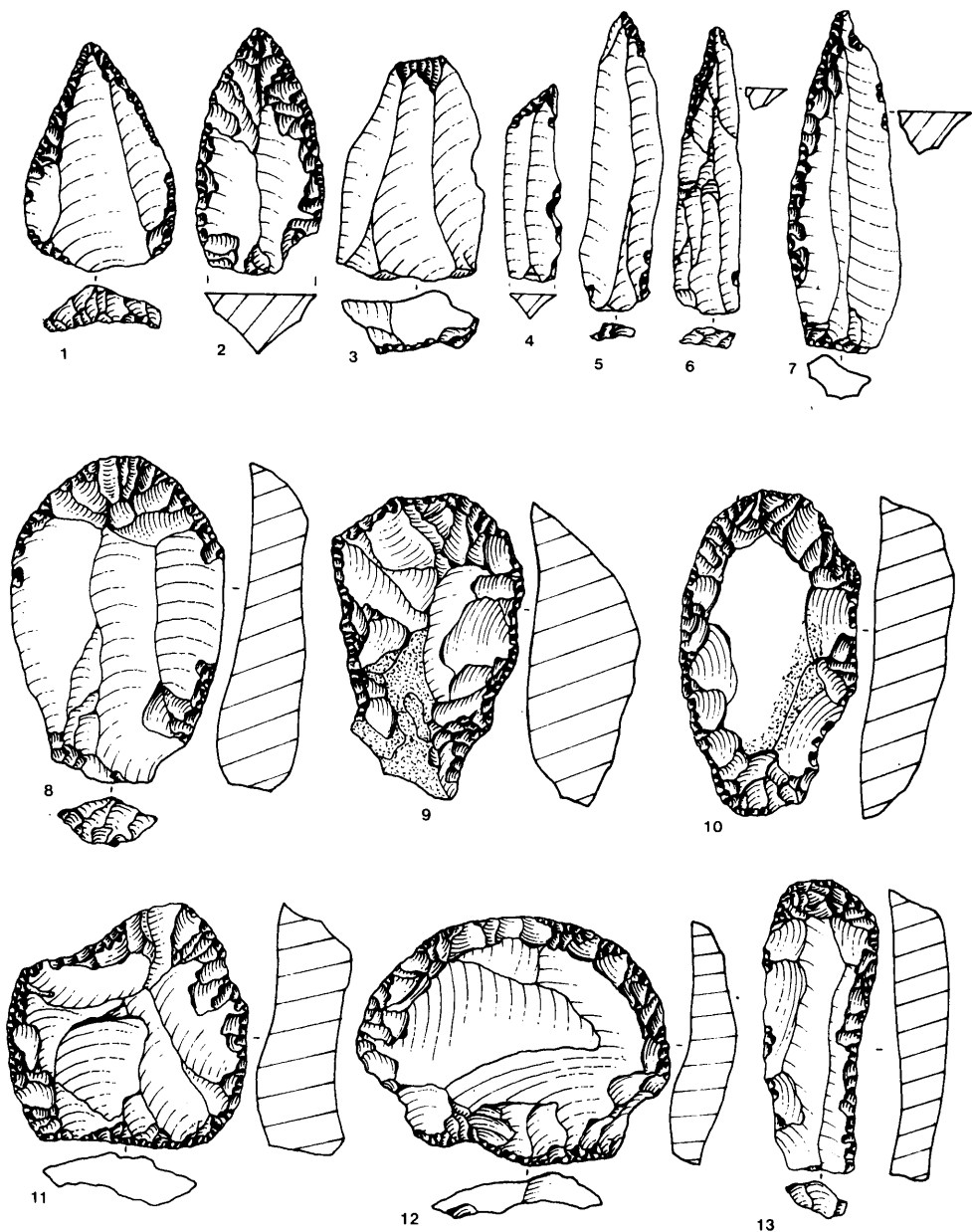


Plate 109 Abu Halka level IV: 1 and 2. Divers (Mousterian point). 3. Oblique retouched truncation. 4. Truncated bladelet. 5. Blade pointed by retouch. 6 and 7. Partially backed piece. 8. Ogival end-scraper. 9, 12 and 13. End-scraper on a retouched flake. 10. Double end-scraper. 11. Shouldered end-scraper.

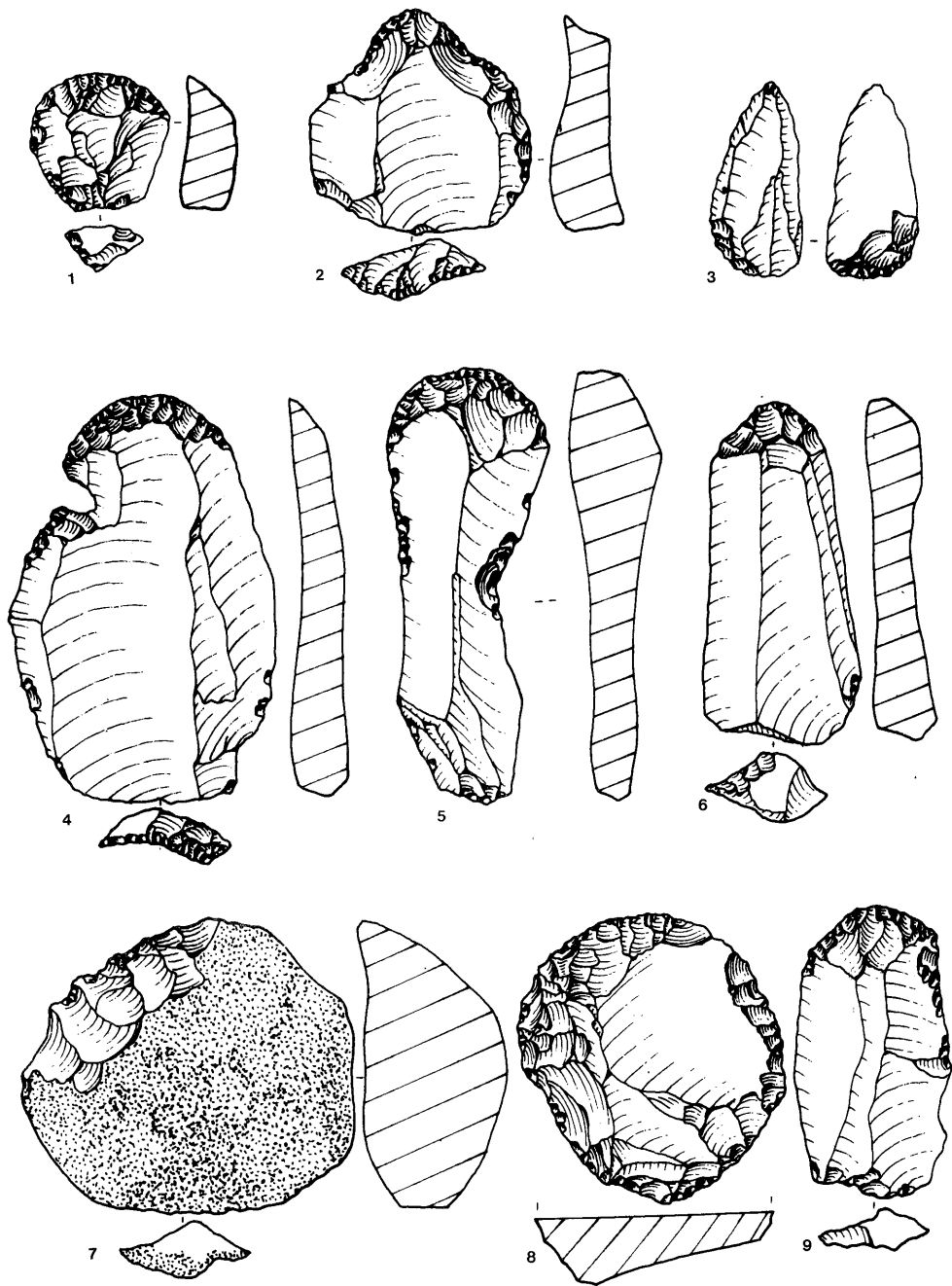


Plate 110 Abu Halka level IVe: 1, 4, 5, 7 and 9. End-scraeper. 2. Thin-nosed end-scraeper. 3 and 8. Divers (3. Emireh point. 8. Circular scraeper). 6. Ogival end-scraeper.

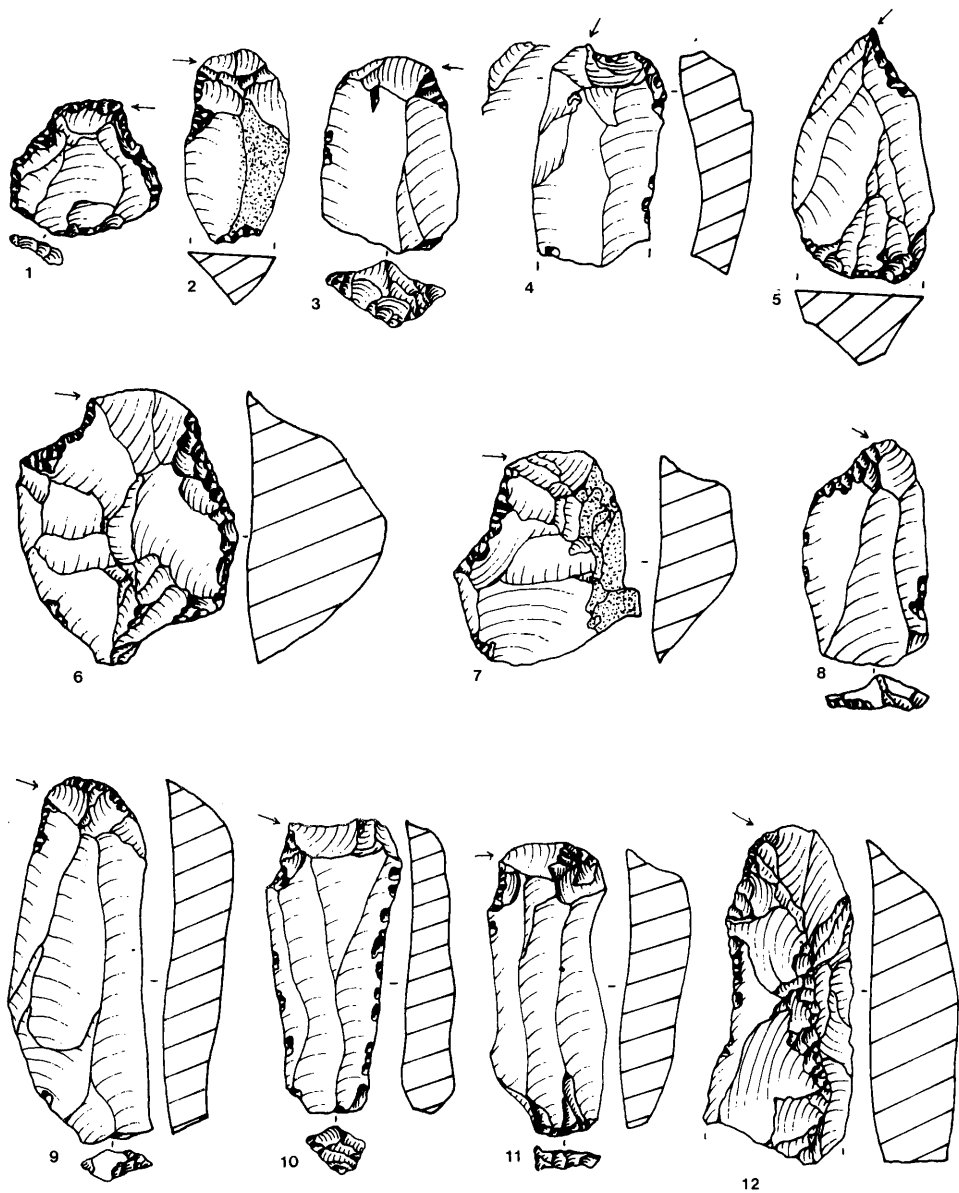


Plate 111 Abu Halka level IVe: 1 and 3. Chamfered piece on an oblique retouched truncation. 2, 9 and 12. Chamfered piece on lateral preparation. 4. Burin on a concave retouched truncation. 6, 7, 8, 10 and 11. Chamfered piece on a concave retouched truncation. 5. End-scrapers and burin on an oblique retouched truncation.

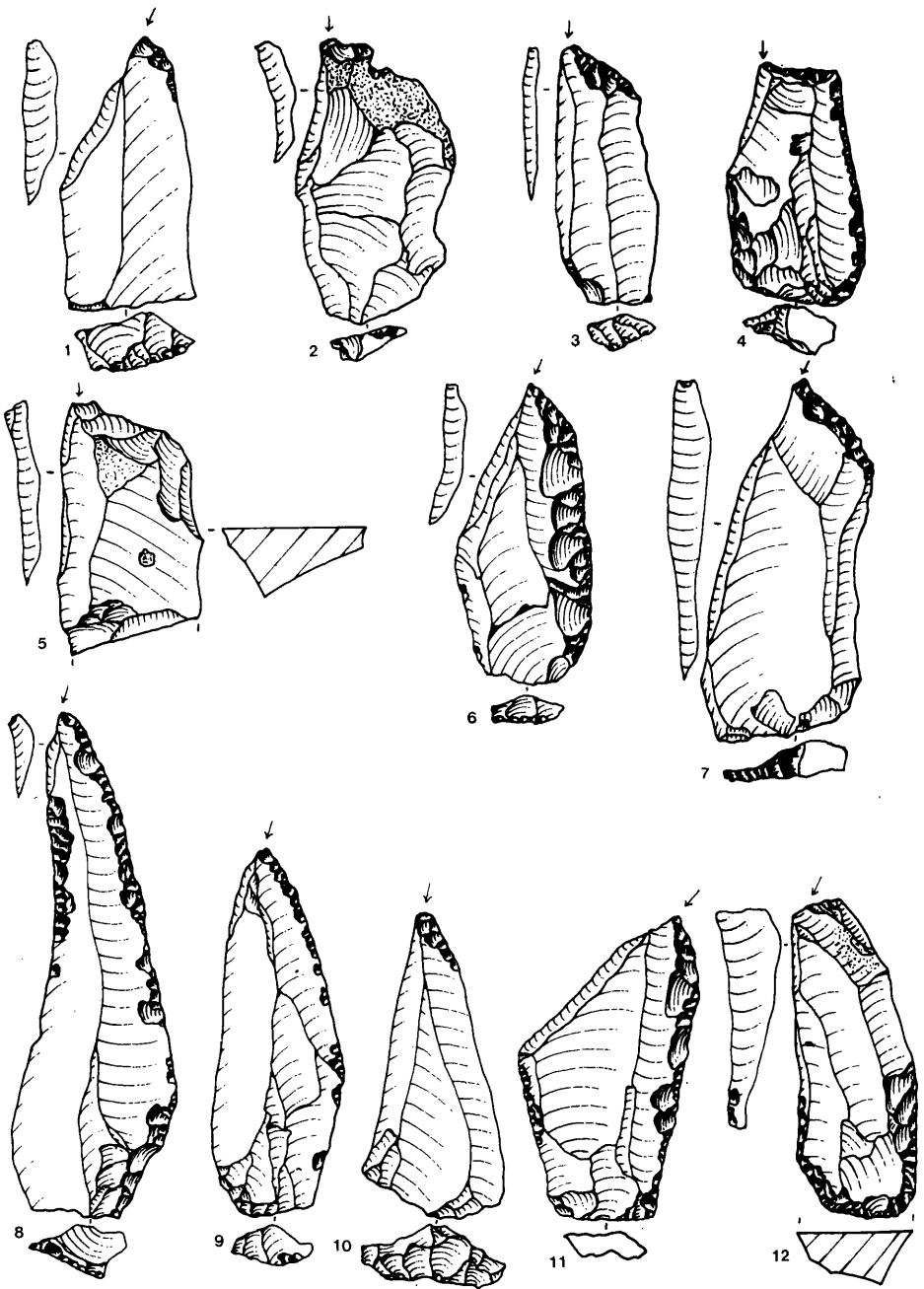


Plate 112 Abu Halka level IVe: 1, 3, 6, 7 and 10. Burin on an oblique truncation. 2 and 5. Burin on a concave retouched truncation. 4. Burin on a straight retouched truncation. 8, 9 and 11. Burin on a lateral preparation. 12. End-scraper and dihedral straight burin.

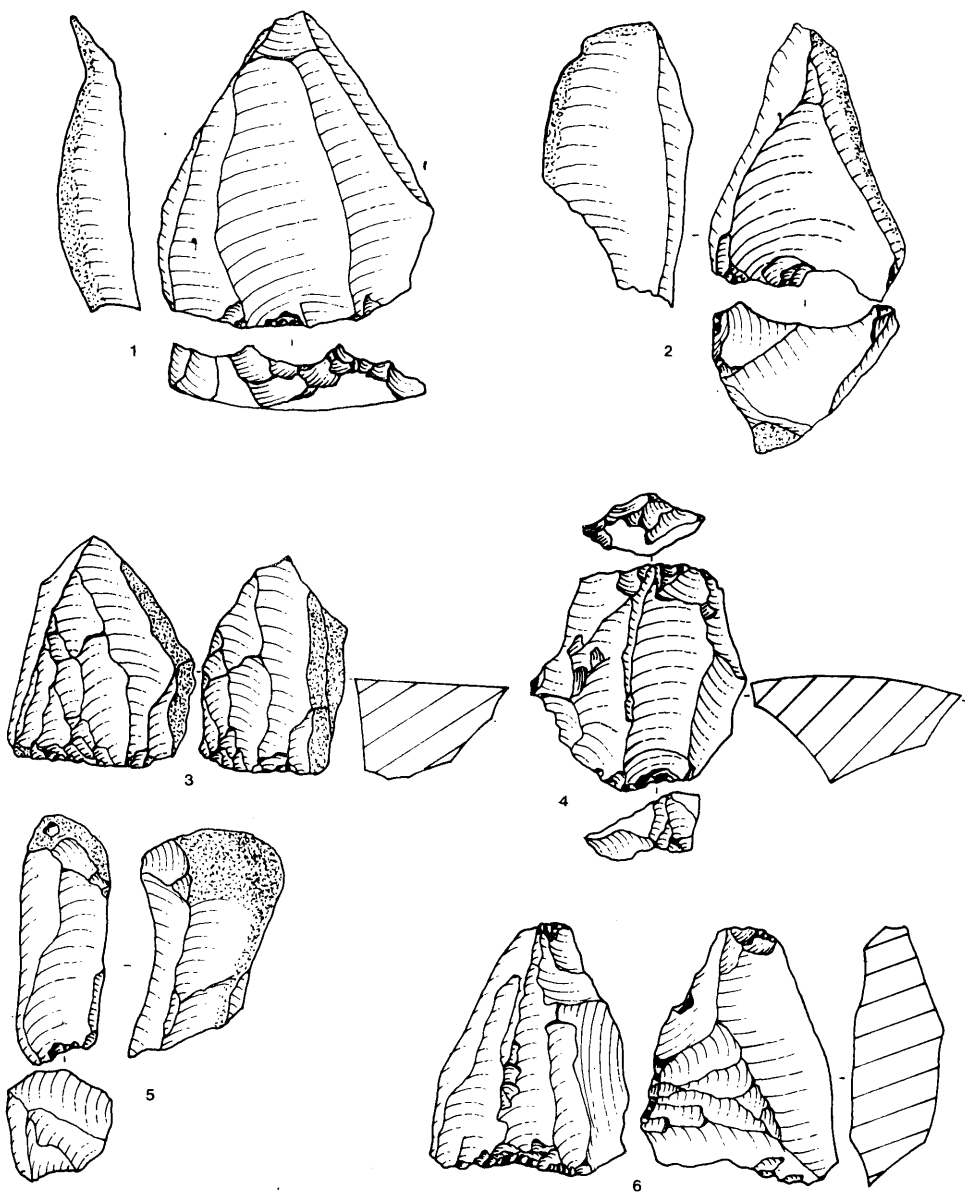


Plate 113 Abu Halka level IVe: 1 and 2. Levallois point core. 3 and 6. Pyramidal core. 4 and 5. Levallois blade core.

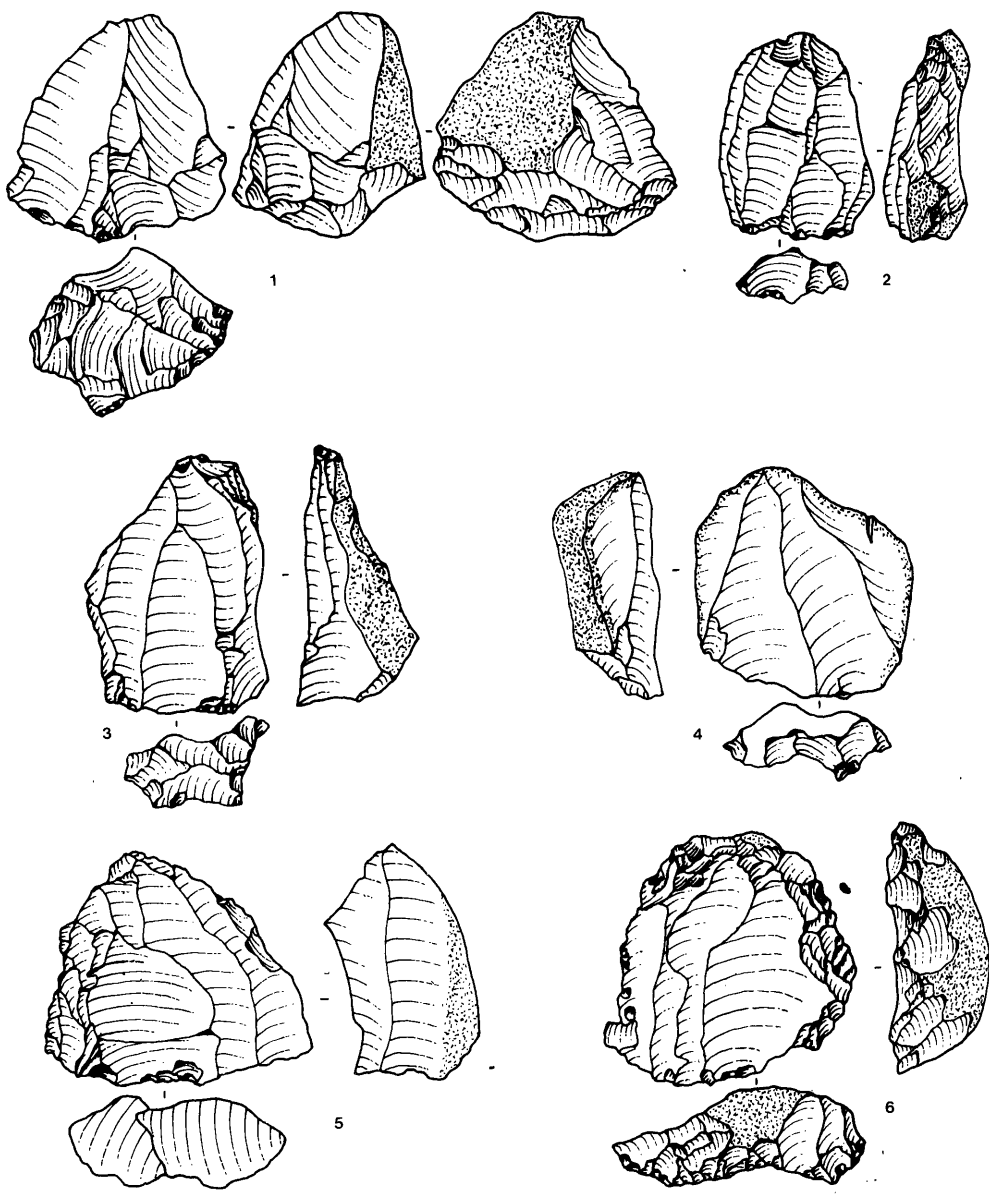


Plate 114 Abu Halka level IVe: 4. Levallois blade core. 5. Levallois point core. 6. Levallois flake core.

Plate 114 Abu Halka level IVd: 1 and 3. Levallois point core. 2. Levallois blade core.

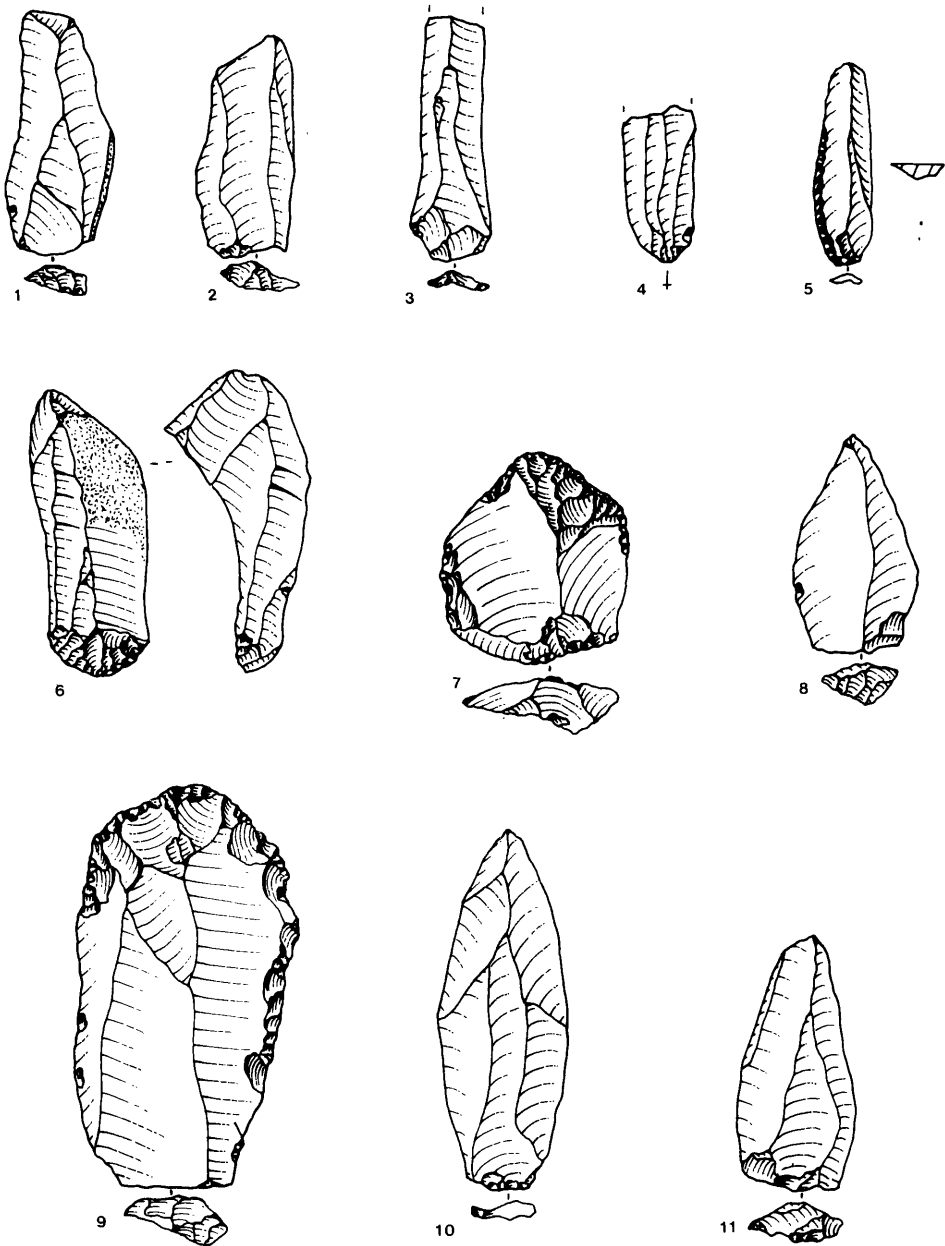


Plate 115 Abu Halka level IVd: 1, 2 and 11. Levallois blade. 3, 4 and 10. Blade. 5. Partially backed piece. 6, 7 and 9. End-scraper. 8. Levallois point.

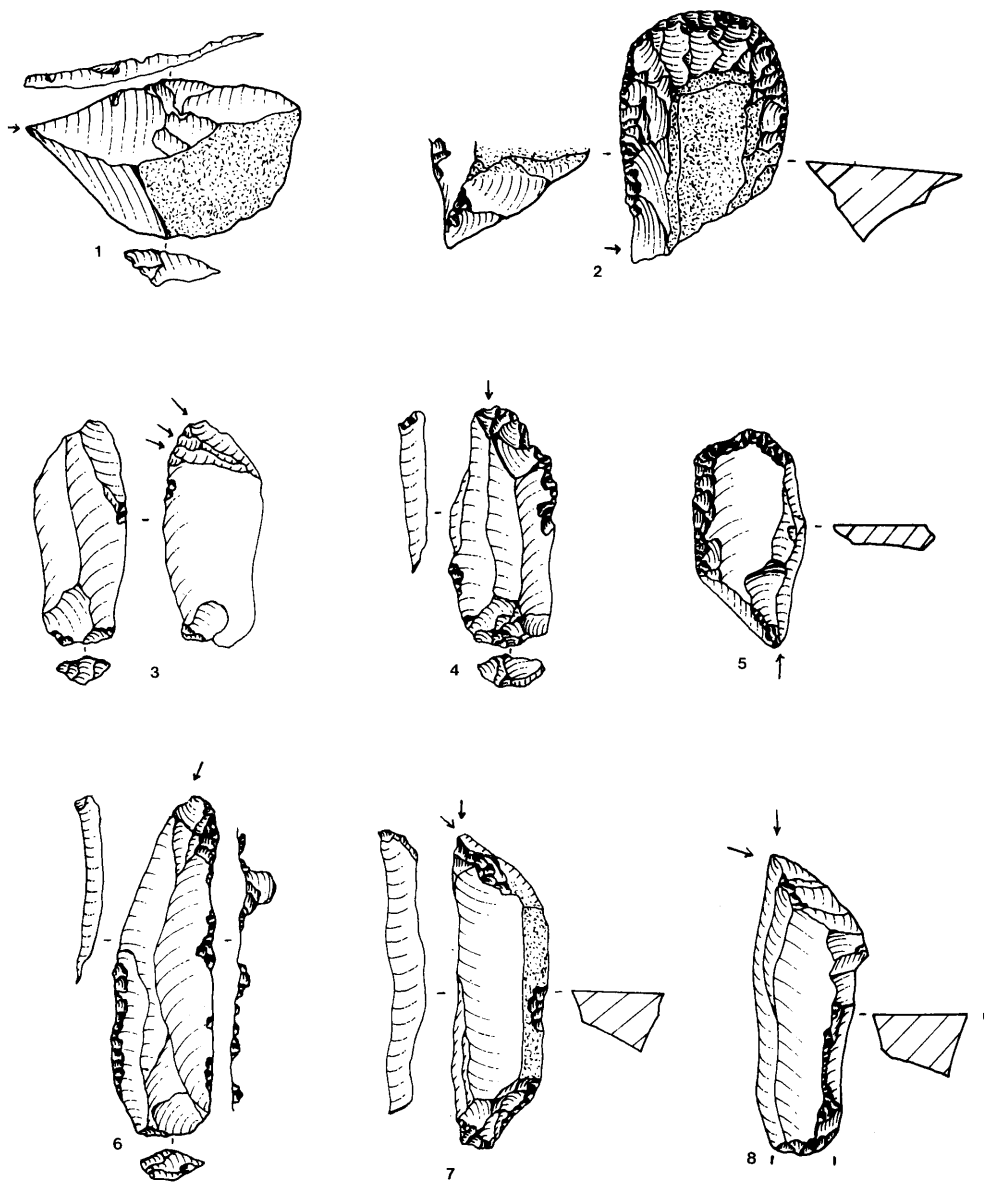


Plate 116 Abu Halka level IVd: 1. Dihedral angle burin. 2. End-scrapers and dihedral asymmetrical burin. 3. Flat-faced carinated burin. 4. Burin on a concave retouched truncation. 5. End-scrapers and dihedral asymmetrical burin. 6. Burin on an oblique retouched truncation. 7 and 8. Dihedral asymmetrical burin.

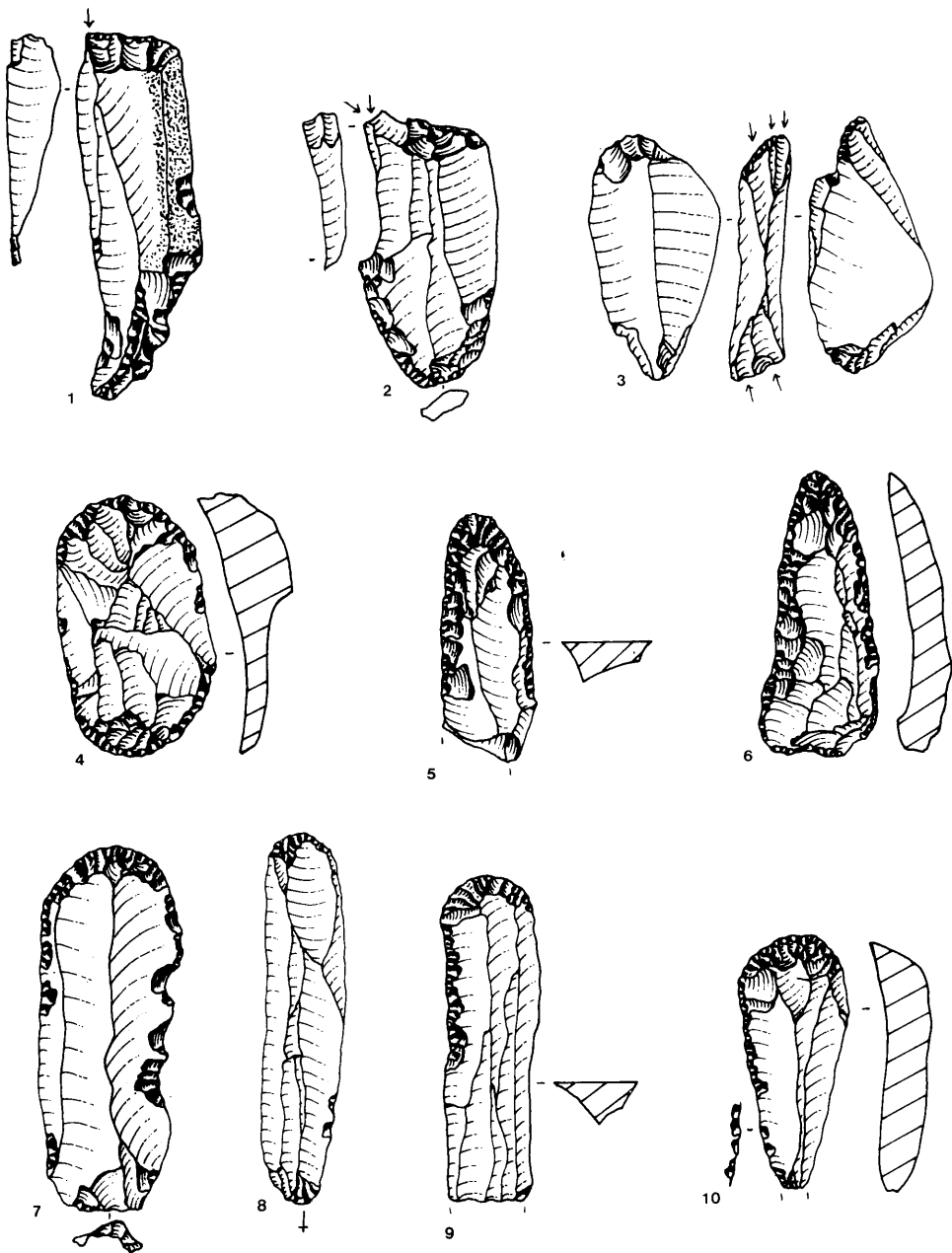


Plate 117 Abu Halka level IVc: 1. Burin on a straight retouched truncation. 2. Dihedral angle burin. 3. Multiple dihedral burin. 4. Double end-scraper. 5 and 6. End-scraper on an Aurignacian blade. 7, 8, 9 and 10. End-scraper.

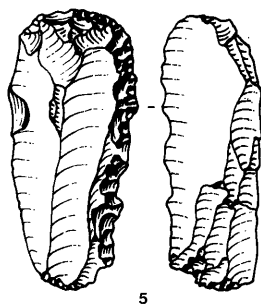
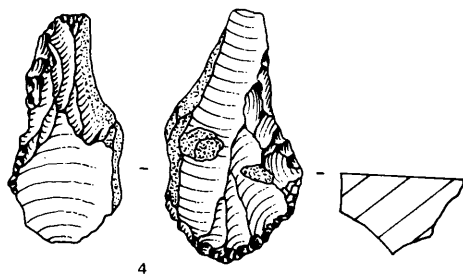
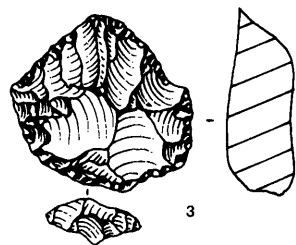
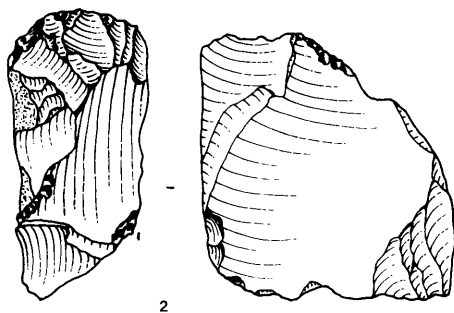
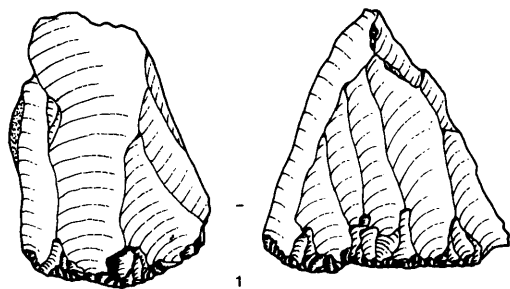


Plate 118 Abu Halka level IVc: 1. Pyramidal core. 2. Frontal carinated end-scraper. 3. Thick-nosed end-scraper. 4 and 5. Inverse end-scraper.

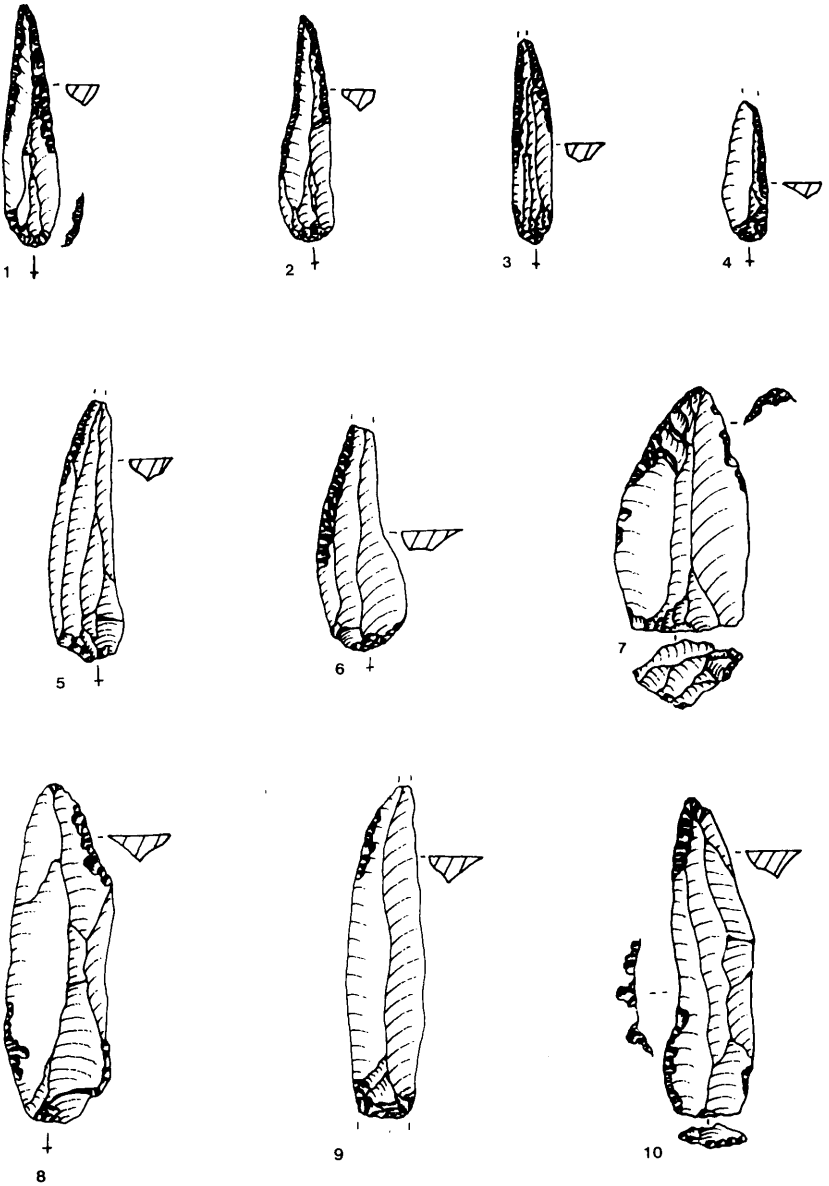


Plate 119 Abu Halka level IVc: 1, 2 and 3. Ksar Akil point. 4, 5, 6, 8, 9 and 10. Partially backed piece. 7. Divers (Mousterian point).

Plate 120 Ksar Akil level X: 1. Aurignacian blade. 2 and 3. Ksar Akil point.

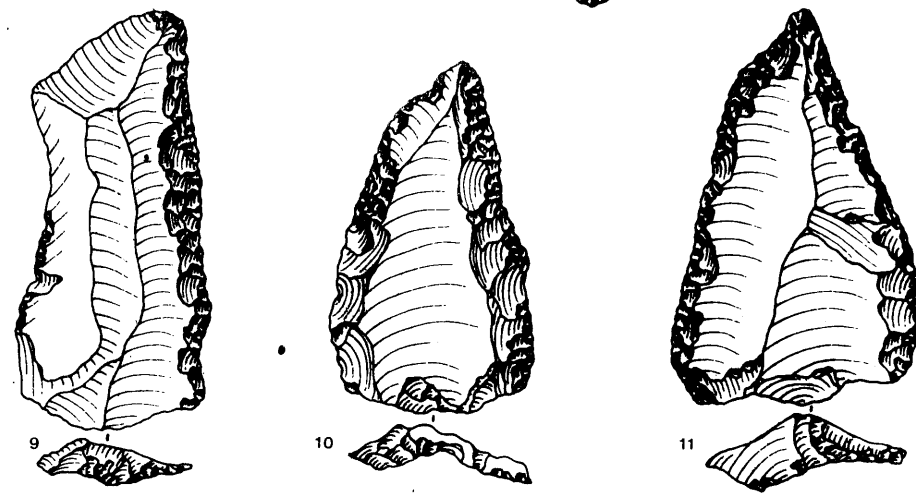
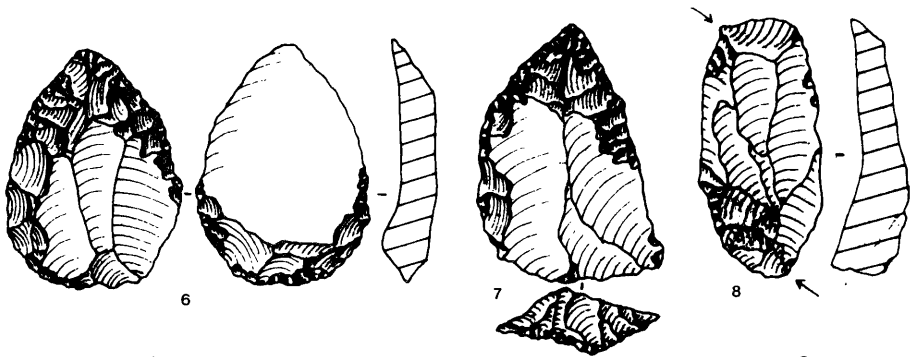
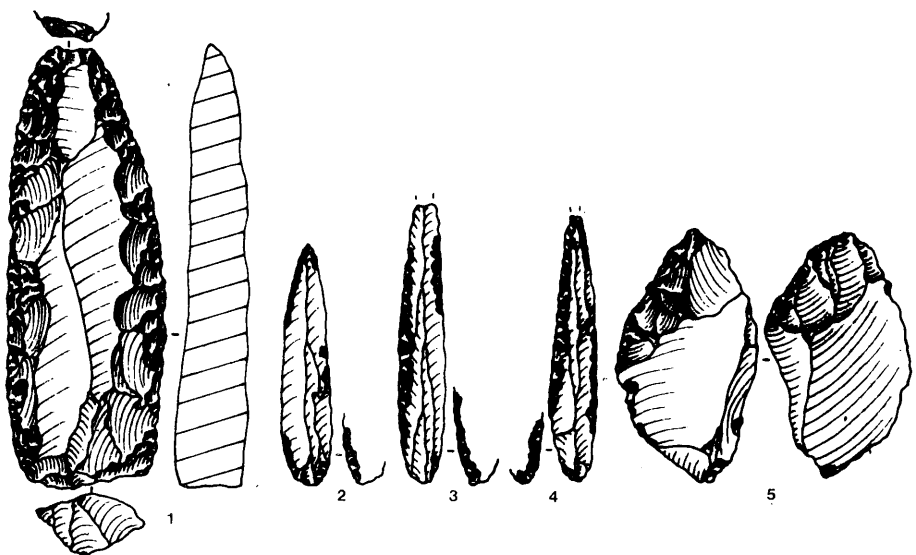
Ksar Akil level XXV, square F₅: 6. Divers (Emireh point).

Ksar Akil level XXVI, square F₅: 8. Multiple chamfered piece.

Ksar Akil level XXVII: 7. Mousterian point. 9. Simple straight side-scraper. 10 and 11. Convergent convex side-scraper.

Antelias level IV: 4. Ksar Akil point.

Antelias level I: Inverse end-scraper.

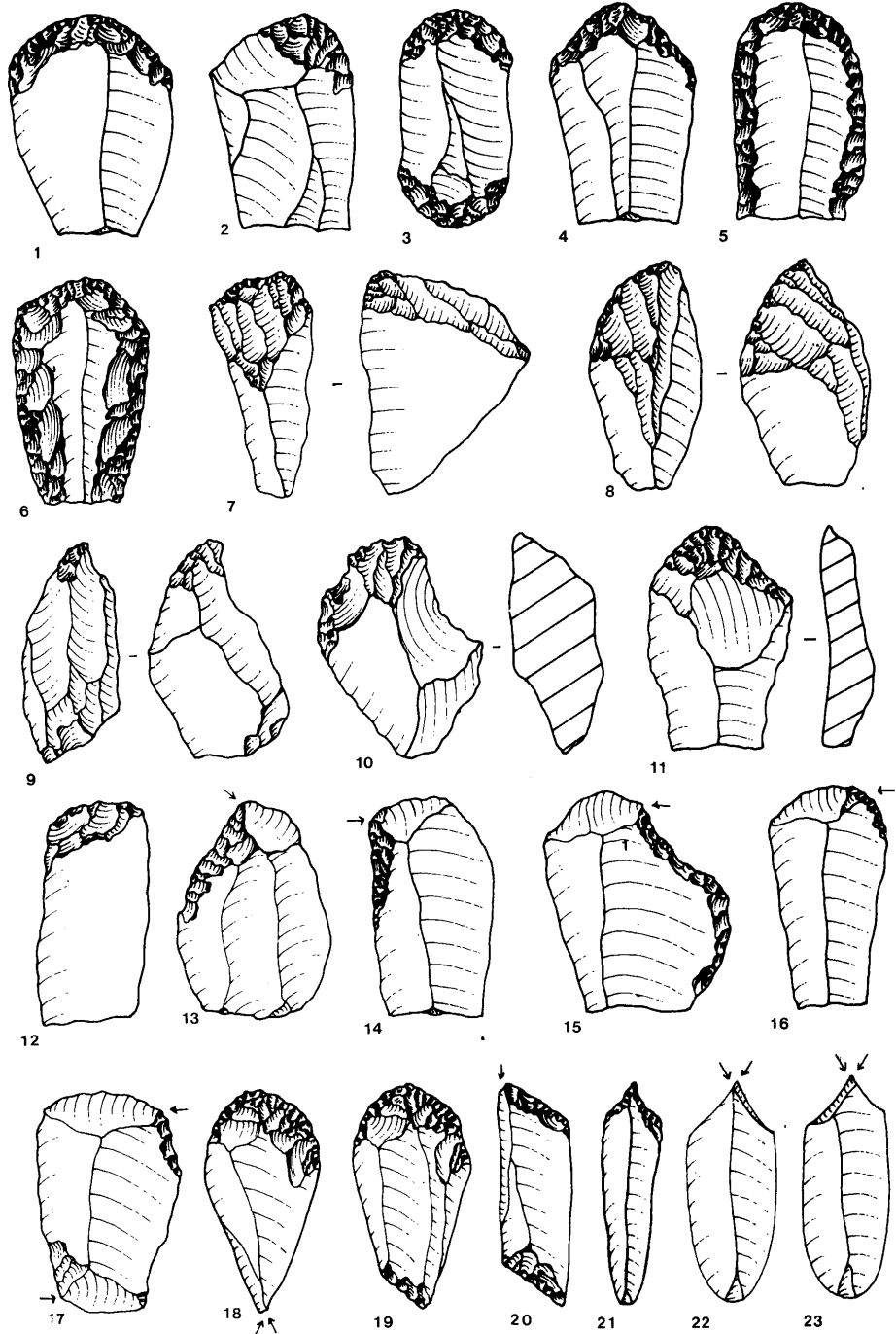


Type List

1. End-scraper
2. Atypical end-scraper
3. Double end-scraper
4. Ogival end-scraper
5. End-scraper on a retouched flake
6. End-scraper on an Aurignacian blade
7. Frontal carinated end-scraper
8. Lateral carinated end-scraper
9. Atypical carinated end-scraper
10. Thick-nosed end-scraper
11. Shouldered end-scraper
12. Inverse end-scraper
13. Chamfered piece on an oblique retouched truncation
14. Chamfered piece on lateral preparation
15. Chamfered piece on a concave retouched truncation
16. Chamfered piece on a convex retouched truncation
17. Multiple chamfered piece
18. End-scraper and burin
19. End-scraper and truncated blade
20. Burin and truncated blade
21. Piercer
22. Dihedral straight burin
23. Dihedral asymmetrical burin
24. Dihedral angle burin
25. Dihedral angle burin on a break
26. Multiple dihedral burin
27. Carinated burin

28. Flat-faced carinated burin
29. Burin on a straight retouched truncation
30. Burin on an oblique retouched truncation
31. Burin on a concave retouched truncation
32. Burin on a convex retouched truncation
33. Multiple truncation burin
34. Multiple mixed burin
35. Burin on a lateral preparation
36. Ksar Akil point
37. Backed piece
38. Partially backed piece
39. Double partially backed piece
40. Straight retouched truncation
41. Oblique retouched truncation
42. Concave retouched truncation
43. Convex retouched truncation
44. Double truncation
45. Aurignacian blade
46. Pointe à face plane
47. Blade pointed by retouch
48. Notched piece
49. Denticulated piece
50. Splintered piece
51. Side-scraper
52. Truncated bladelet
53. Bladelet with inverse retouch
54. Divers

SCHEMATIC TYPE LIST



SCHEMATIC TYPE LIST

