



THESE
Pour obtenir le grade de
DOCTEUR DE L'UNIVERSITÉ AIX -MARSEILLE I
FORMATION DOCTORALE :
Préhistoire, Archéologie des civilisations de l'Antiquité et du Moyen-Age

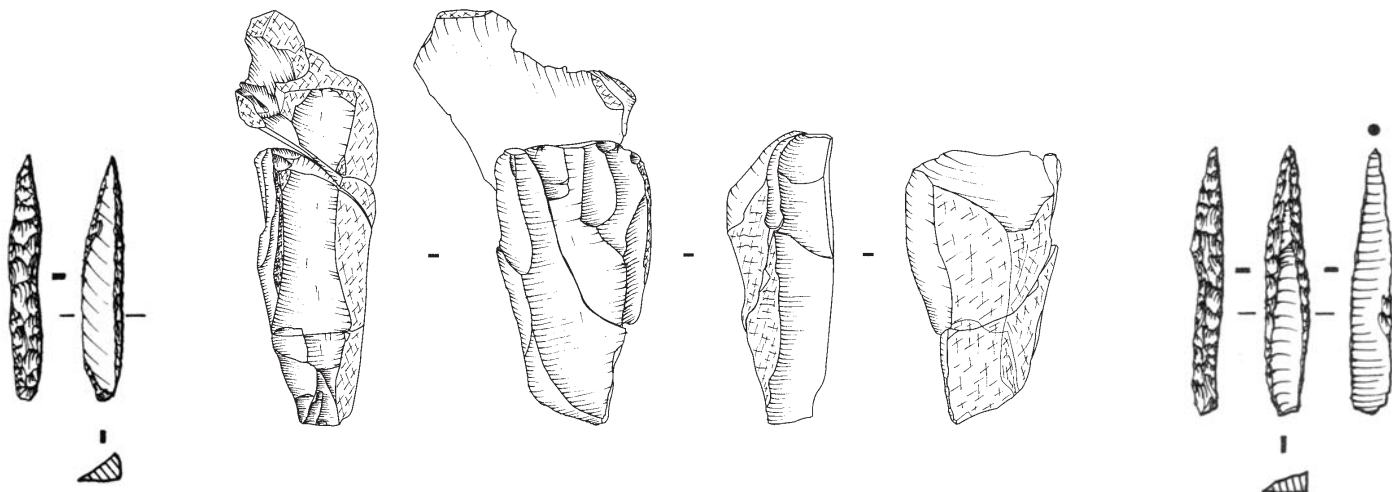
Présentée et soutenue publiquement

Par
MONTROYA Cyril
le 15 décembre 2004

Titre :

LES TRADITIONS TECHNIQUES LITHIQUES À L'ÉPIGRAVETTEN : ANALYSES DE SÉRIES DU TARDIGLACIAIRE ENTRE ALPES ET MEDITERRANÉE

Volume Annexes



Directeur de Thèse : Prof. Chenorkian Robert

JURY:

M. BAZILE Frédéric (Directeur de recherche au C.N.R.S., UMR 5059)
M. BRACCO Jean Pierre (Maître de Conférence, Université Aix-Marseille I)
M. BROGLIO Alberto (Professeur à l'Université de Ferrara, Italie)
M. CHENORKIAN Robert (Professeur, Université Aix-Marseille I)
Mme PIGEOT Nicole (Professeur, Université de Paris I)
M. PERESANI Marco (Chercheur, Université de Ferrara, Italie)

ANNEXES

Val Lastari

Saint Antoine – Vitrolles

Riparo Tagliente

Ripari Villabruna

Riparo Dalmeri

Riparo Battaglia

Annexe n°1

Dynamiques de débitage

Ce classement a été effectué principalement sur la base du nombre de plans de frappe et des tables de débitage qui leur sont associées mais également de leurs agencements et de leurs chronologies respectives lors de l'exploitation. Nous avons donc pu dégager 10 dynamiques d'exploitations différentes :

➤ *Nucléus à un plan de frappe (dynamique 1)*: un seul plan de percussion a été utilisé lors l'ensemble de la production (**1A**). Les variantes sont liées au nombre de surfaces exploitées à partir d'un unique plan de frappe qu'il soit jumeaux (Pigeot, 1987) (**1B**) ou qu'il occupe des surfaces de débitage différentes à partir d'un même plan de percussion (**1C**).

➤ *Nucléus à deux plans de frappe indépendants (dynamique 2)* : Chacun des plans de percussion exploite une surface de manière indépendante. Cependant, leur axe de débitage respectif peut être, par rapport à l'autre, soit opposé (**2A**), soit orthogonal (**2B**).

➤ *Nucléus à deux plans de frappe opposés (dynamique 3)* : Le second plan de frappe succède toujours au premier et correspond toujours à une nouvelle exploitation. Cette dernière se positionne, soit strictement opposée à la première (**3A**) soit légèrement décalée (**3B**). Une troisième surface peut être exploitée à partir d'un plan de frappe jumeaux sur le second plan de frappe. Elle occupe alors soit une nouvelle surface (**3A'**) soit se positionne de manière opposée, légèrement décalée à la première exploitation (**3B'**).

➤ *Nucléus à un plan de frappe et à exploitation centripète (dynamique 4)* : une surface est exploitée par des enlèvements convergent à partir d'un seul plan de frappe périphérique.

Dynamiques de débitage

Nucléus à un plan de frappe

PDF jumeaux

1 seule surface exploitée
2 surfaces exploitées

Dynamique 1a
Dynamique 1b
Dynamique 1c

Nucléus à deux plans de frappe opposés exploitation successive

Vue de profil

Une seule surface exploitée
PDF strictement opposées
Deux surfaces exploitées :
- une surface avec PDF
strictement opposées
- une surface indépendante

Dynamique 3a
Dynamique 3a'

Nucléus à deux plans de frappe indépendants

2 surfaces exploitées
opposées et indépendantes
2 surfaces exploitées
orthogonales et indépendantes

Dynamique 2a
Dynamique 2b

Un plan de frappe exploitation périphérique

1 surface exploitée
de manière centripète

Dynamique 4

Nucléus à deux plans de frappe opposés exploitation successive (face view)

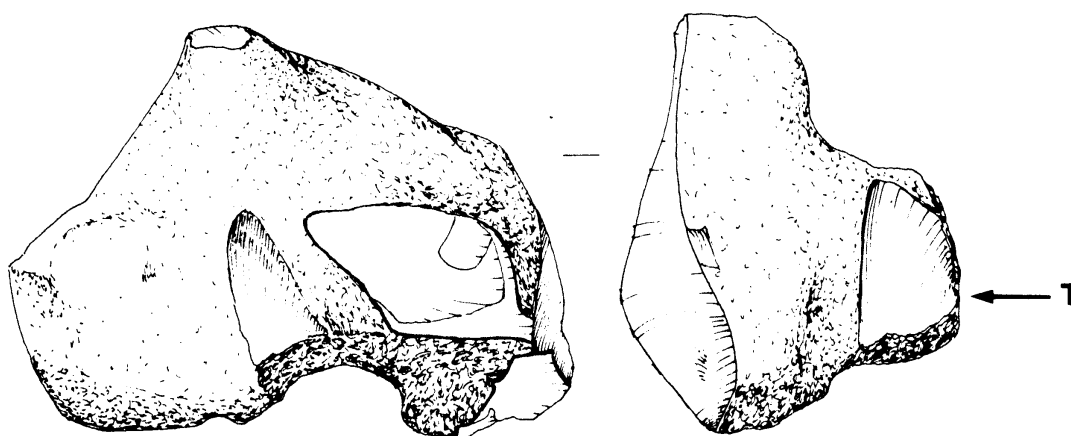
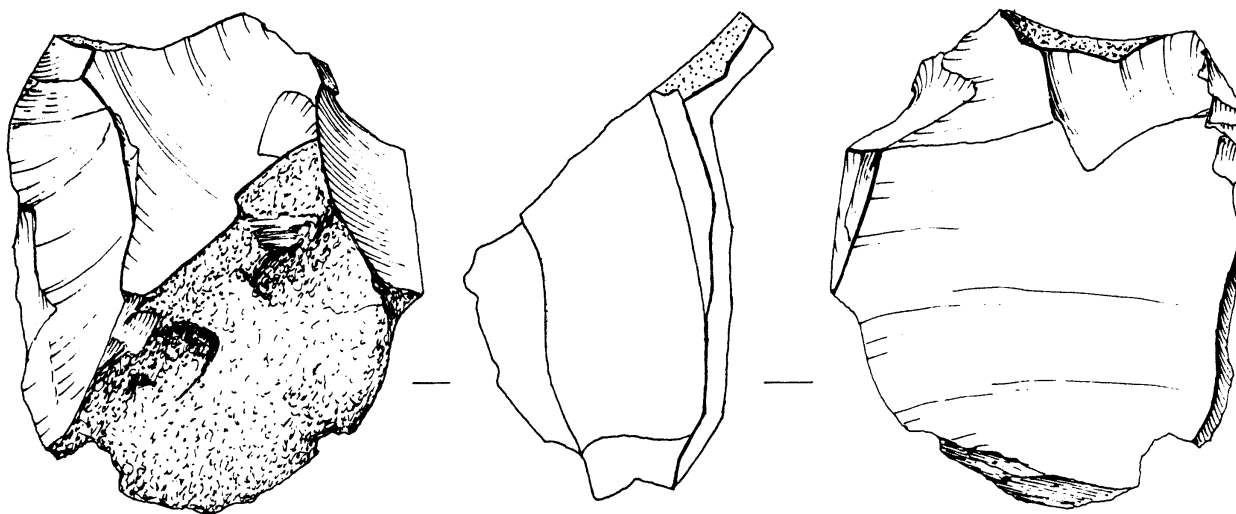
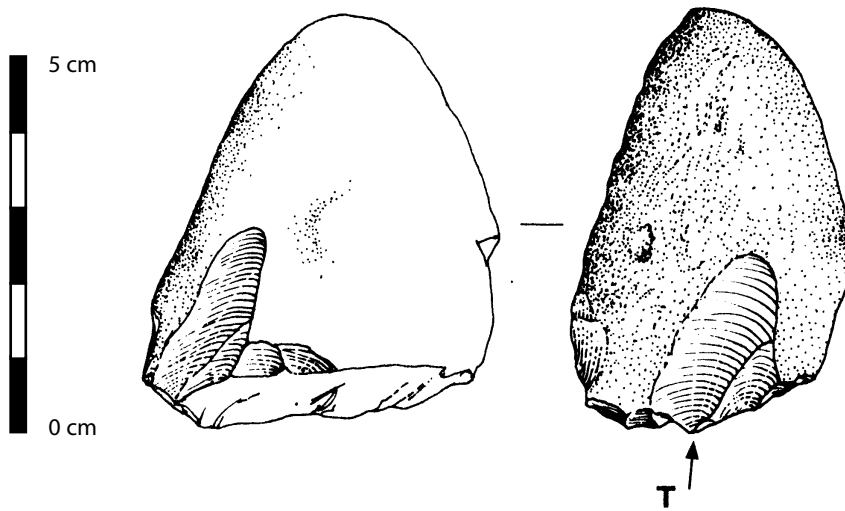
Vue de face

Deux surfaces opposées exploitées,
la seconde est décalée
par rapport à la première
Trois surfaces opposées exploitées,
la seconde et la troisième sont décalées
par rapport à la première

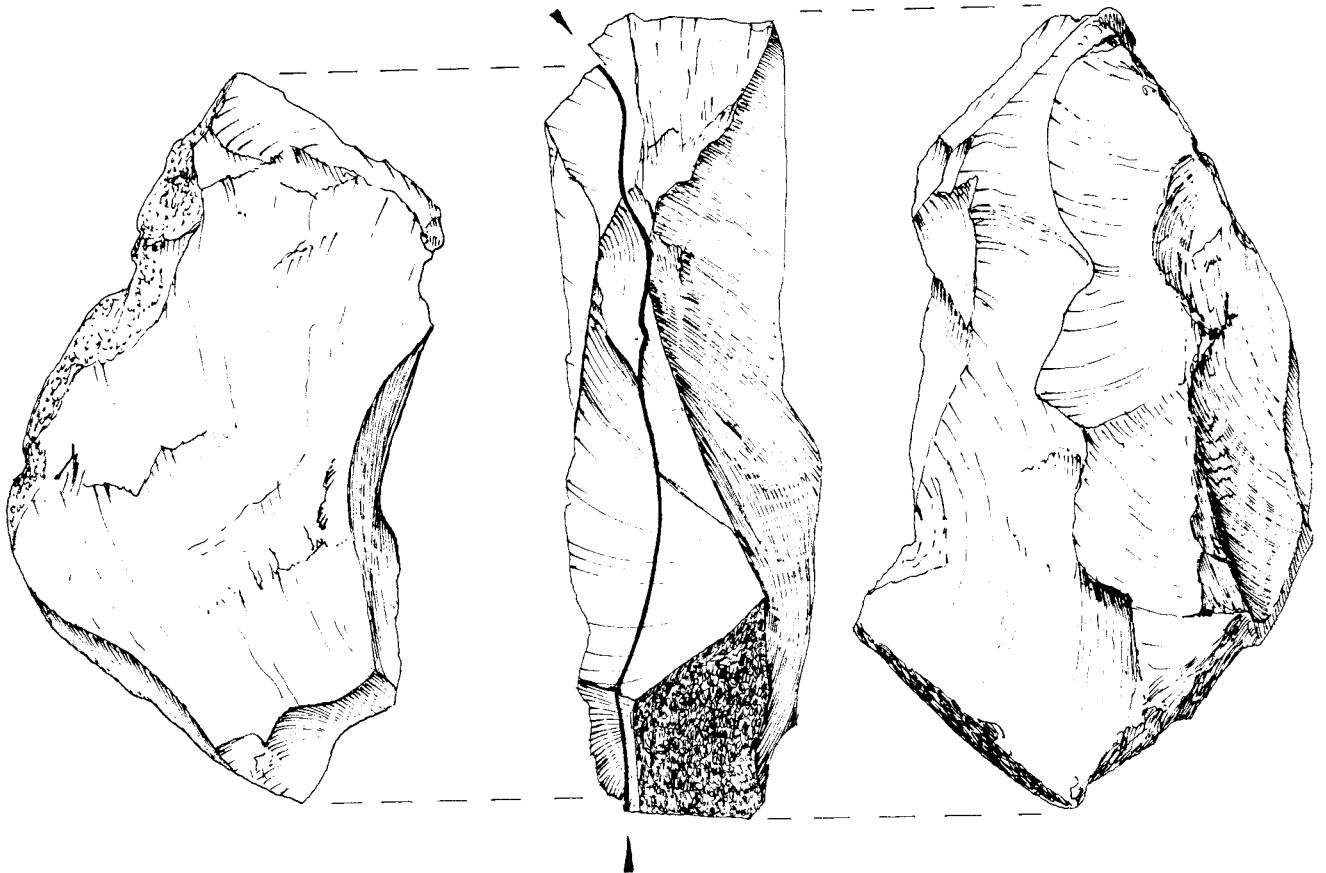
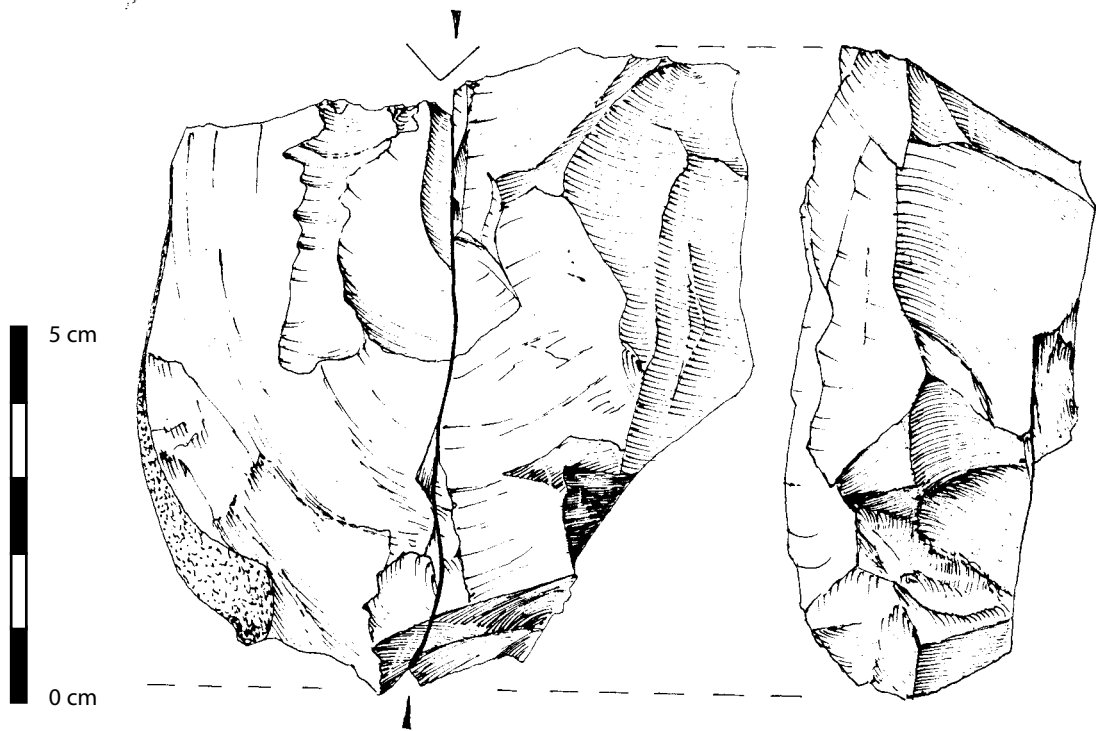
Dynamique 3b
Dynamique 3b'

Val Lastari **(Annexes)**

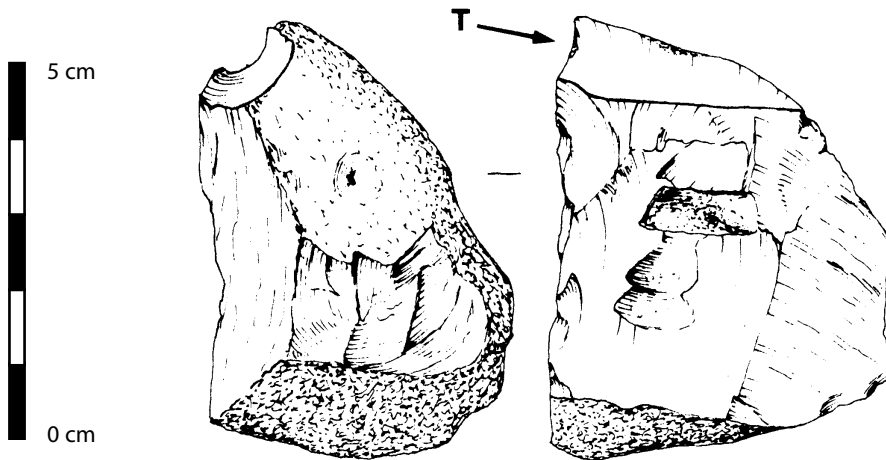
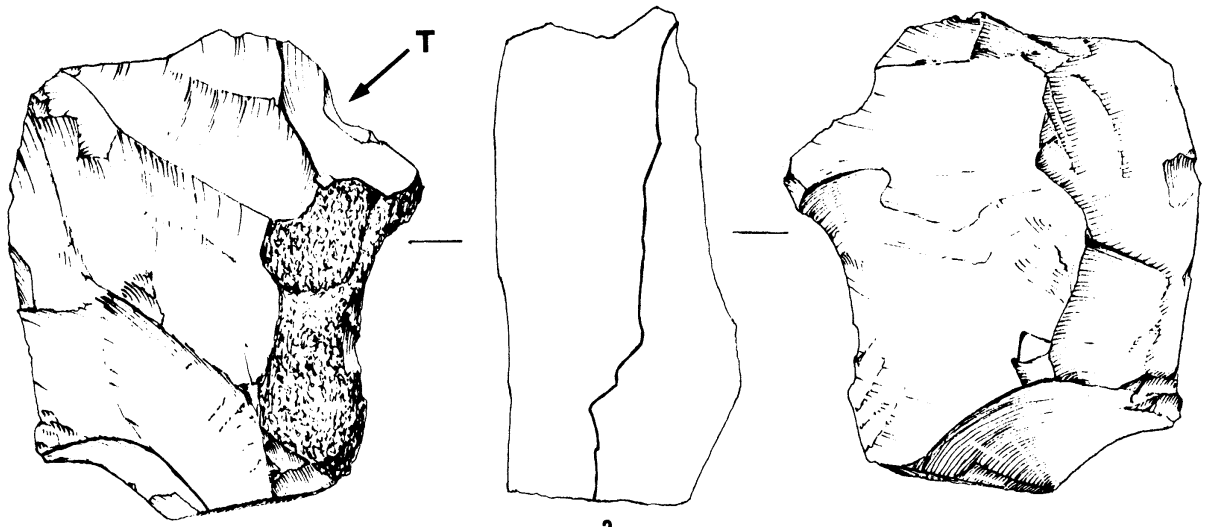
Dessins de C Montoya
G. Almerigogna
et A. Paolilo



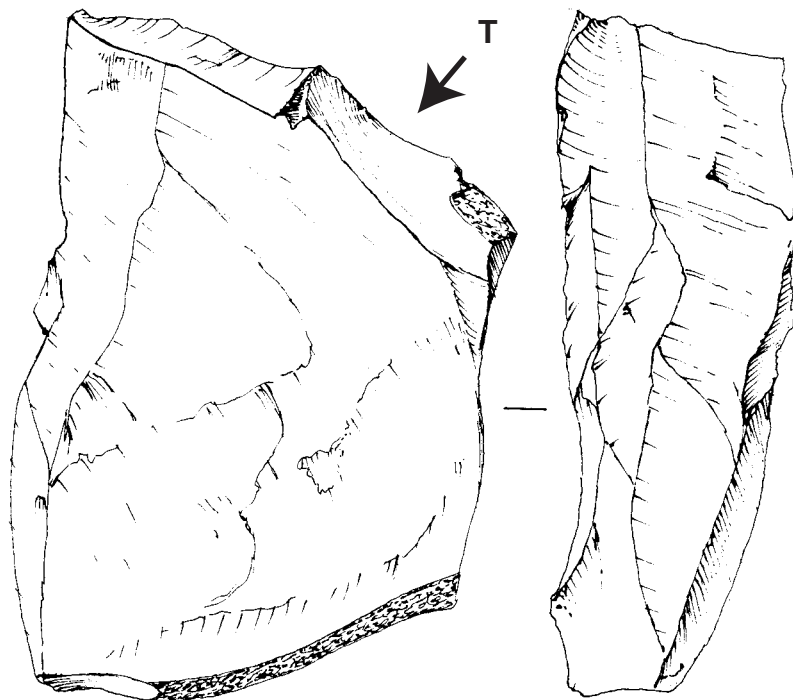
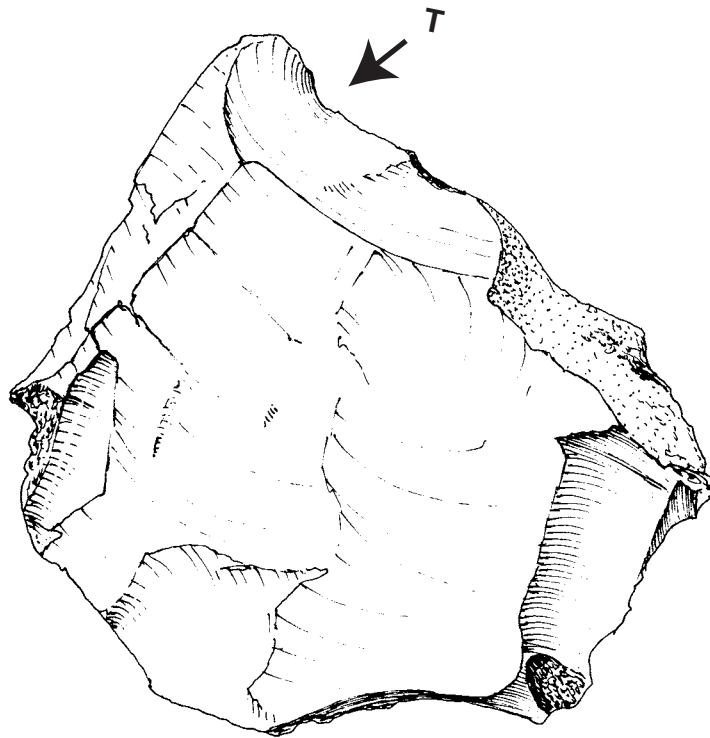
Annexe n°2A - Val Lastari
Blocs testés de la structure I



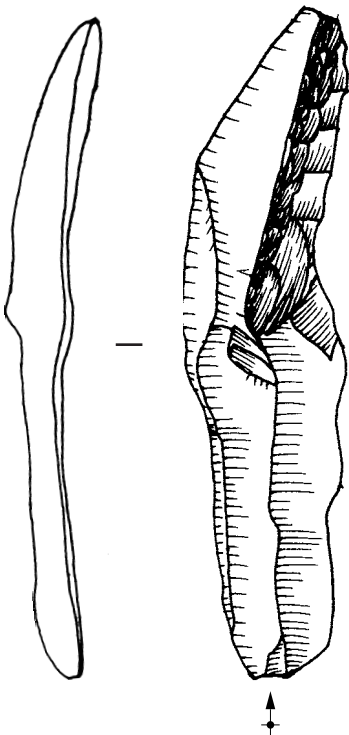
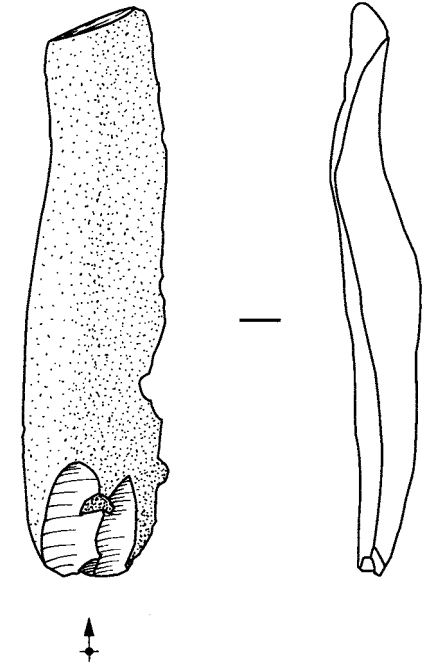
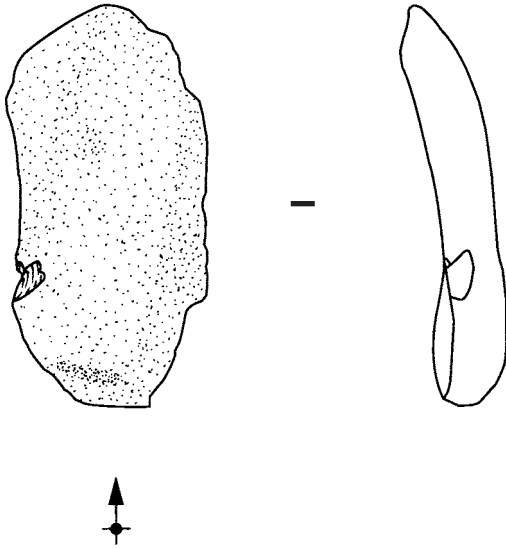
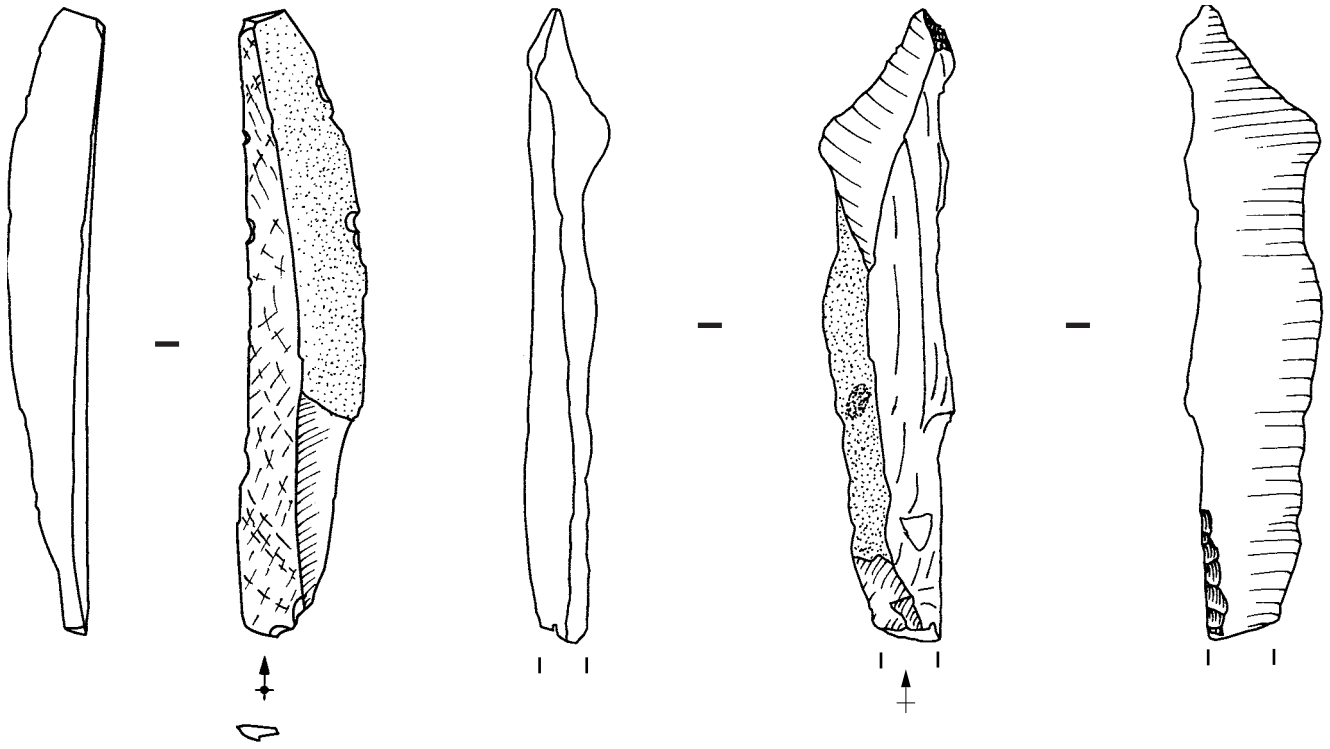
Annexe n°2B - Val Lastari
Blocs testés de la structure I



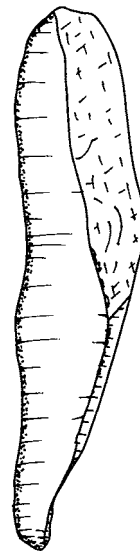
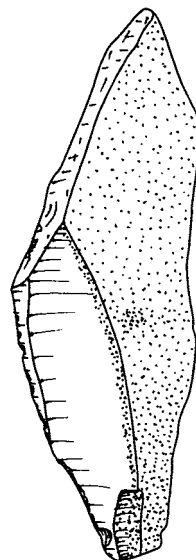
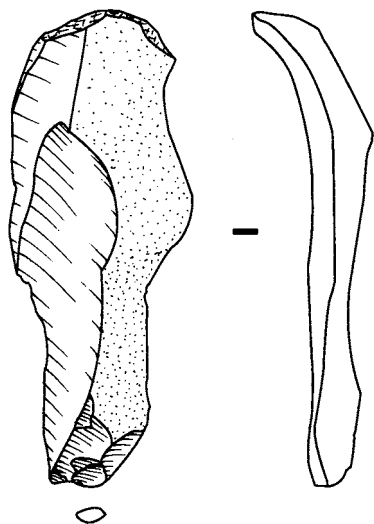
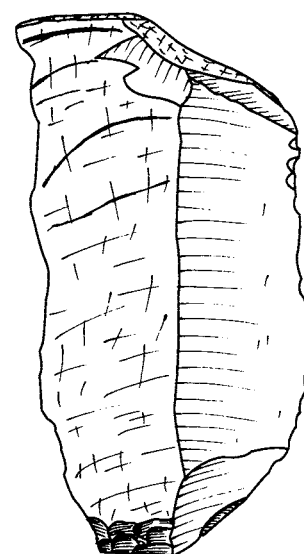
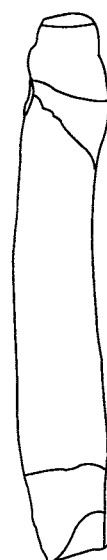
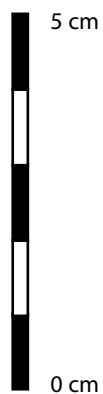
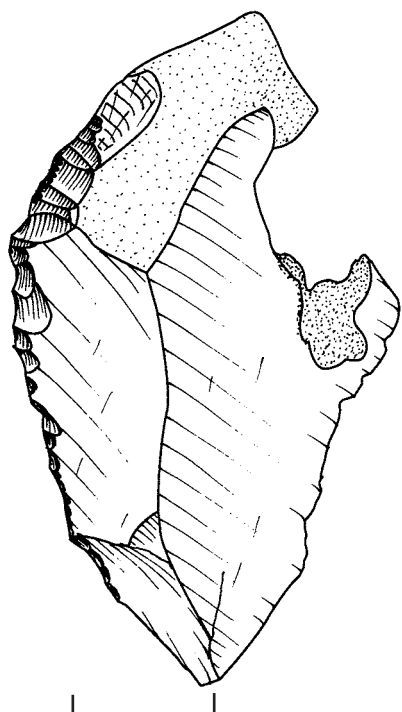
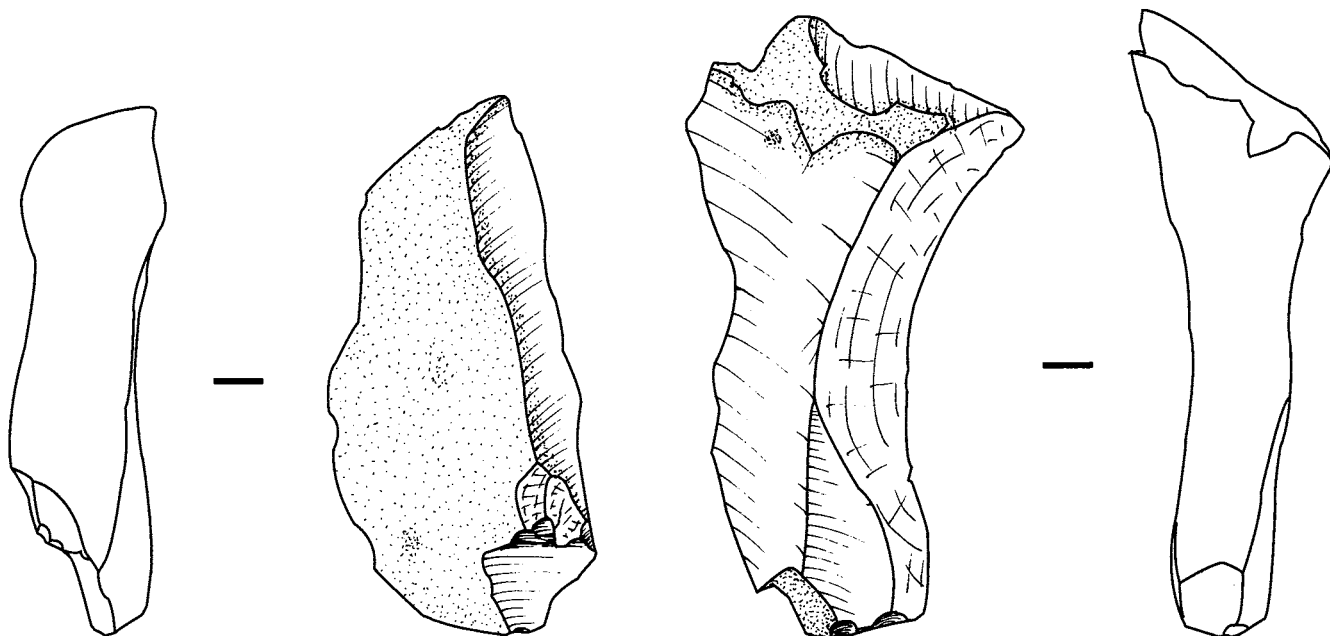
Annexe n°3A - Val Lastari
Blocs testés de la structure I



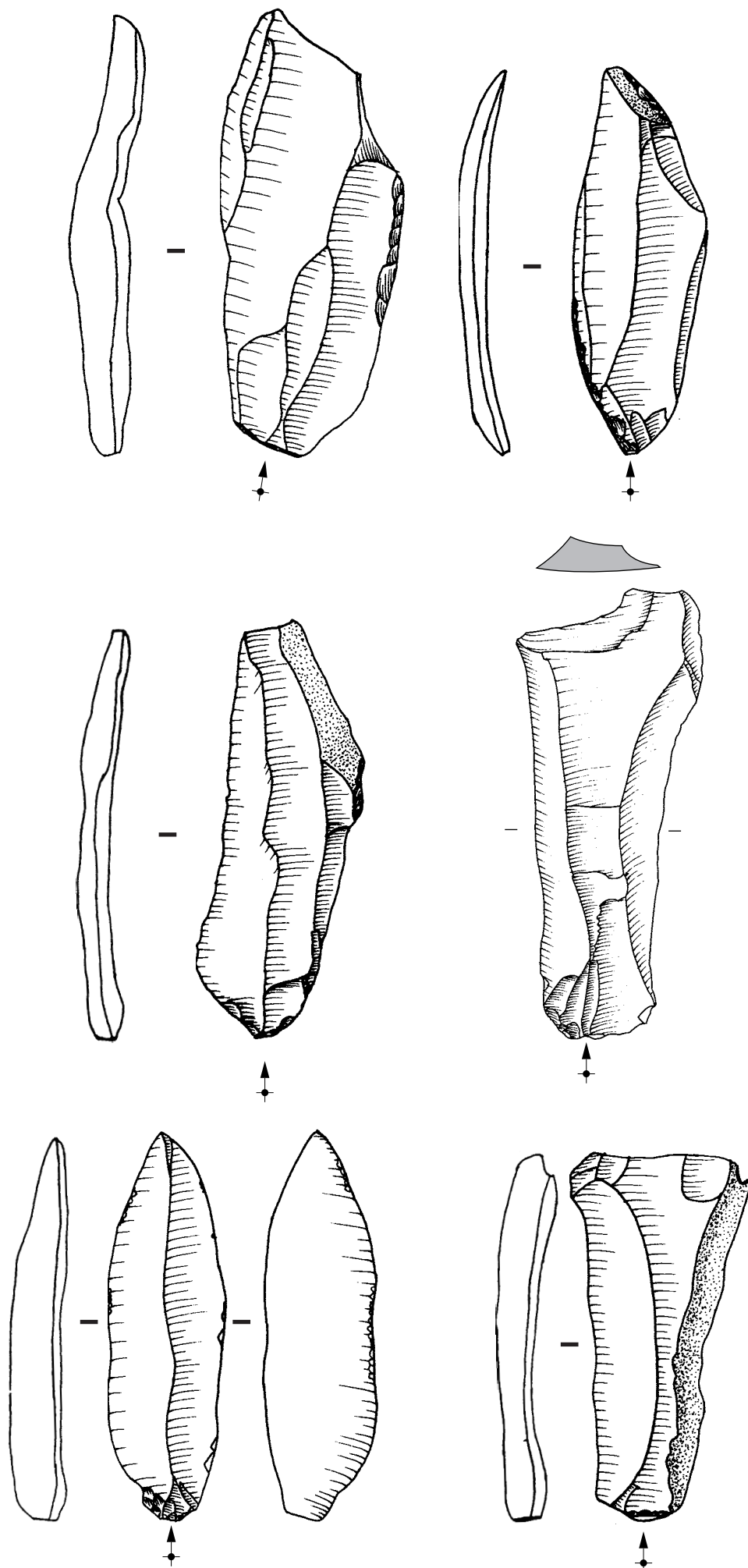
Annexe n°3B - Val Lastari
Blocs testés de la structure I



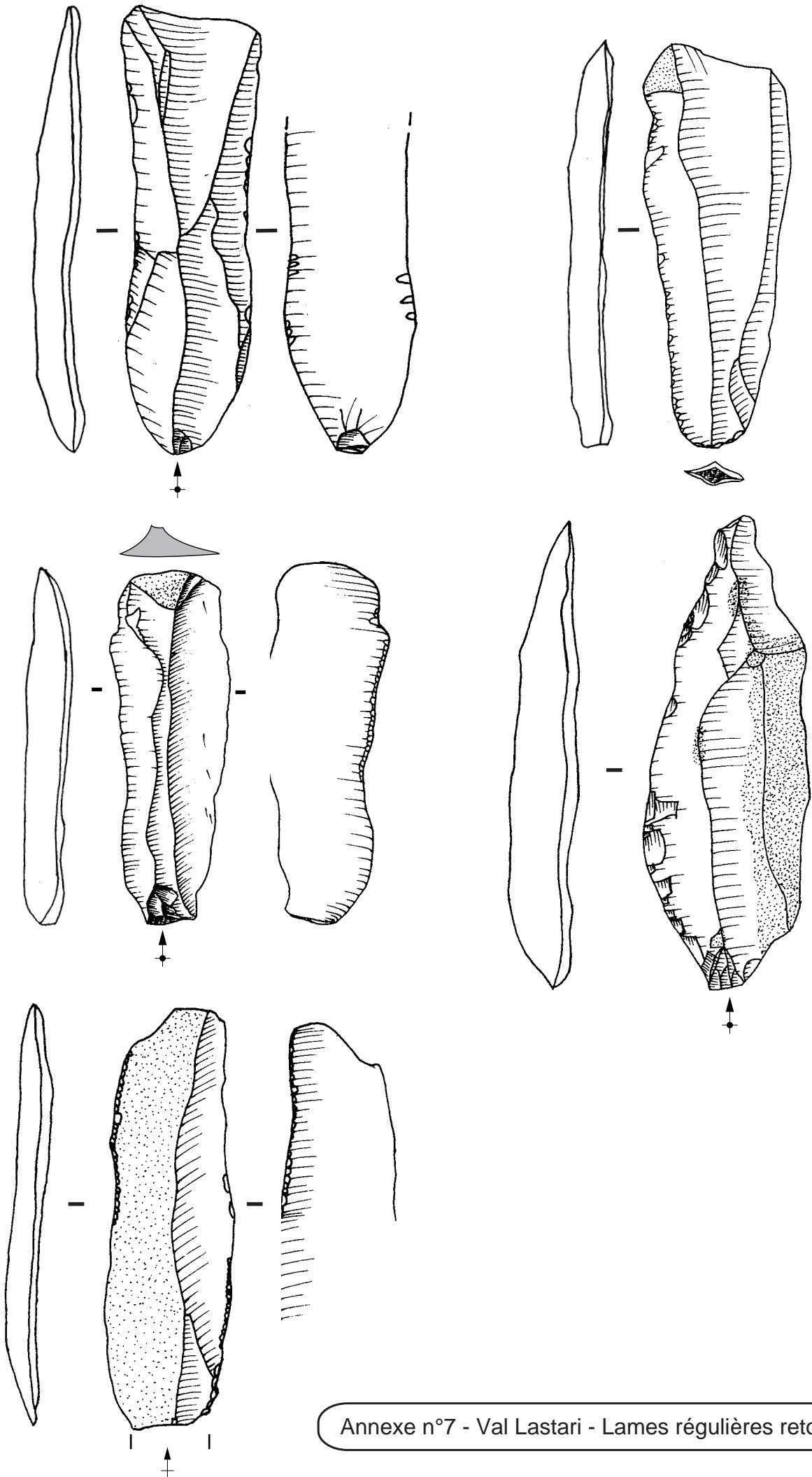
Annexe n° 4- Val Lastari - Lames d'entame et Néocrête



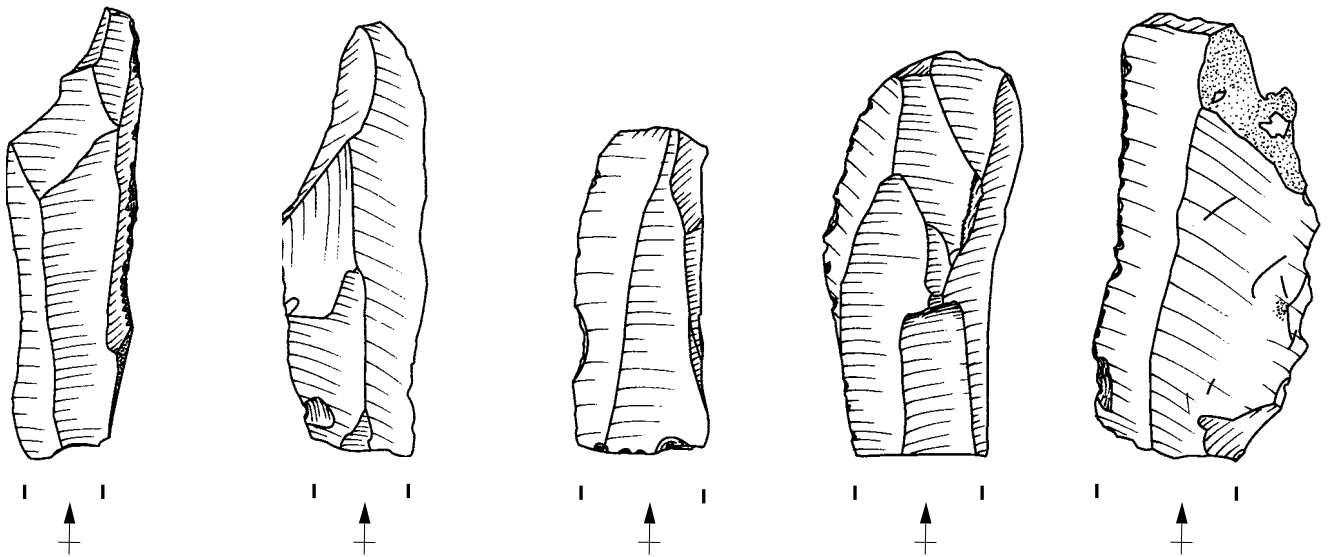
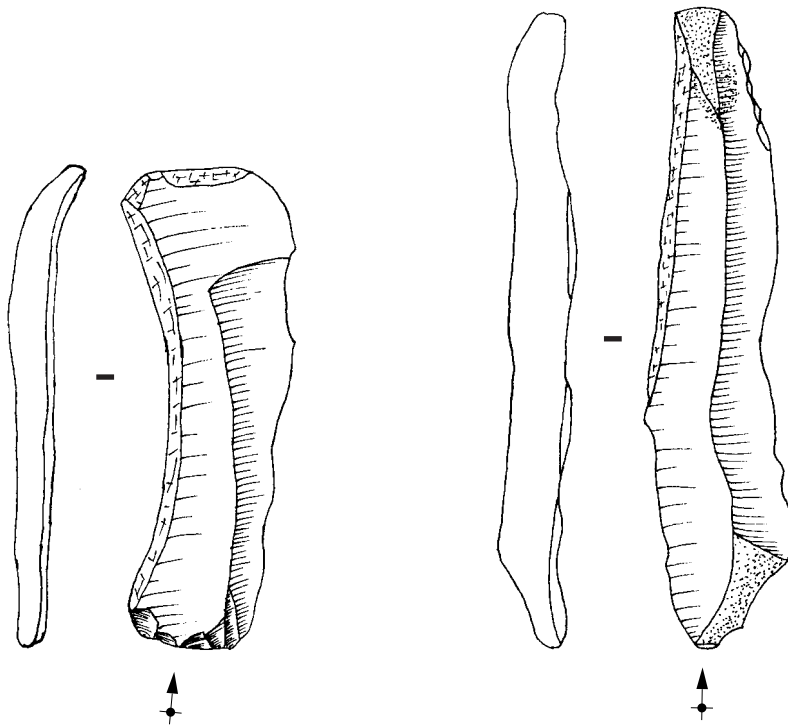
Annexe n°5 - Val Lastari - Produits de cadrage et entretien de la convexité latérale



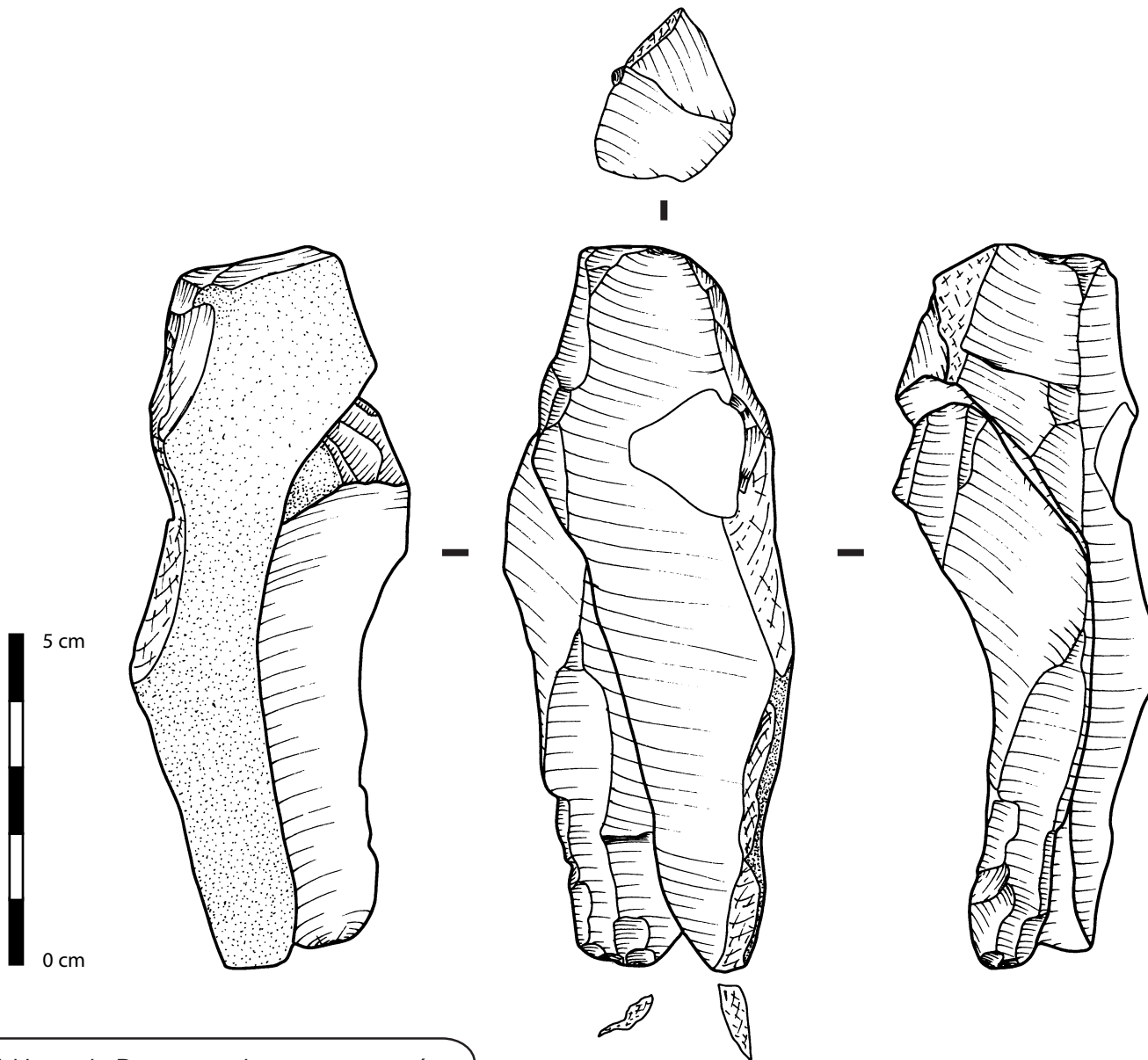
Annexe n°6 - Val Lastari - Lames régulières retouchées



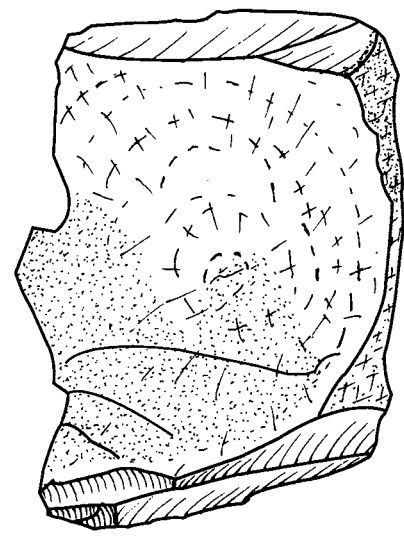
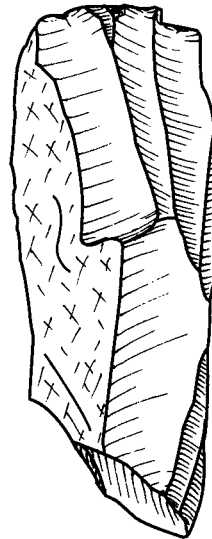
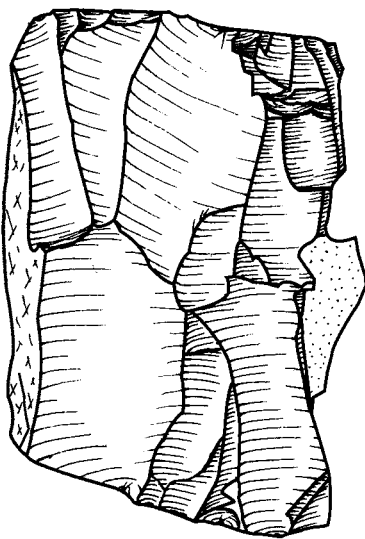
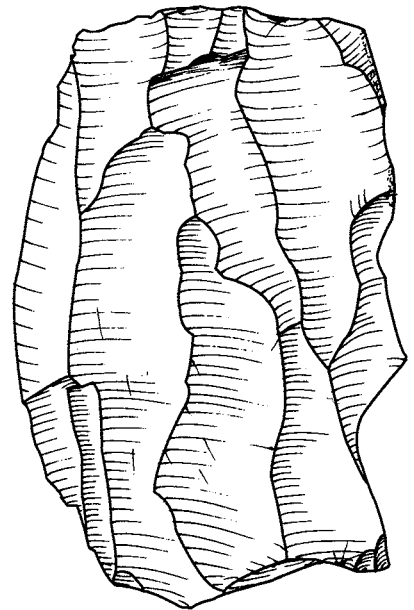
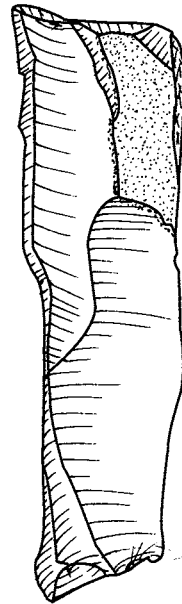
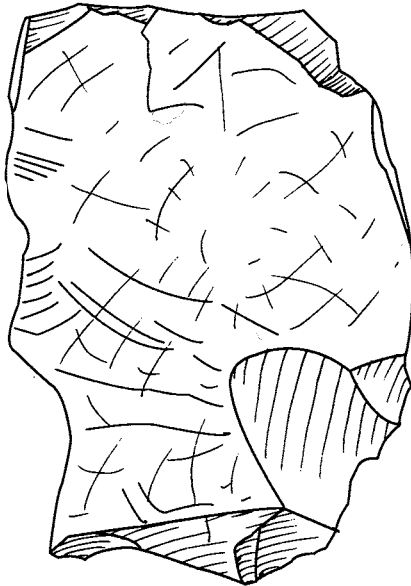
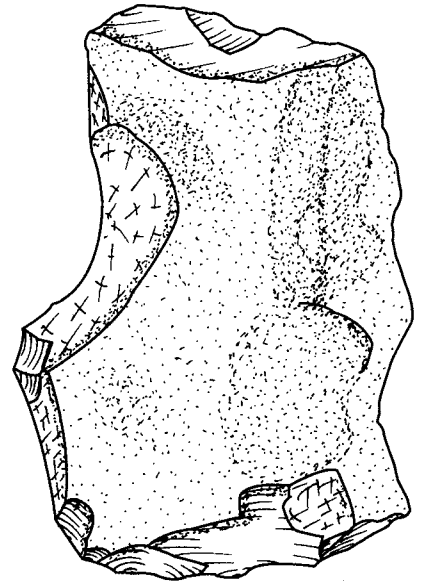
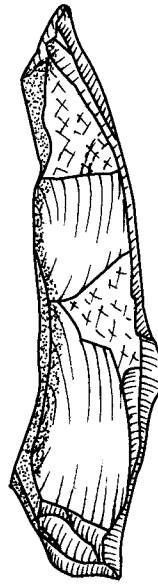
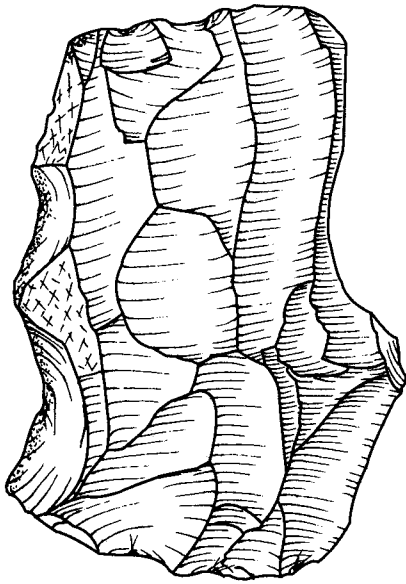
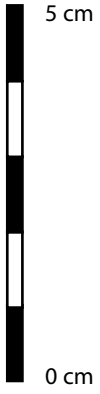
Annexe n°7 - Val Lastari - Lames régulières retouchées

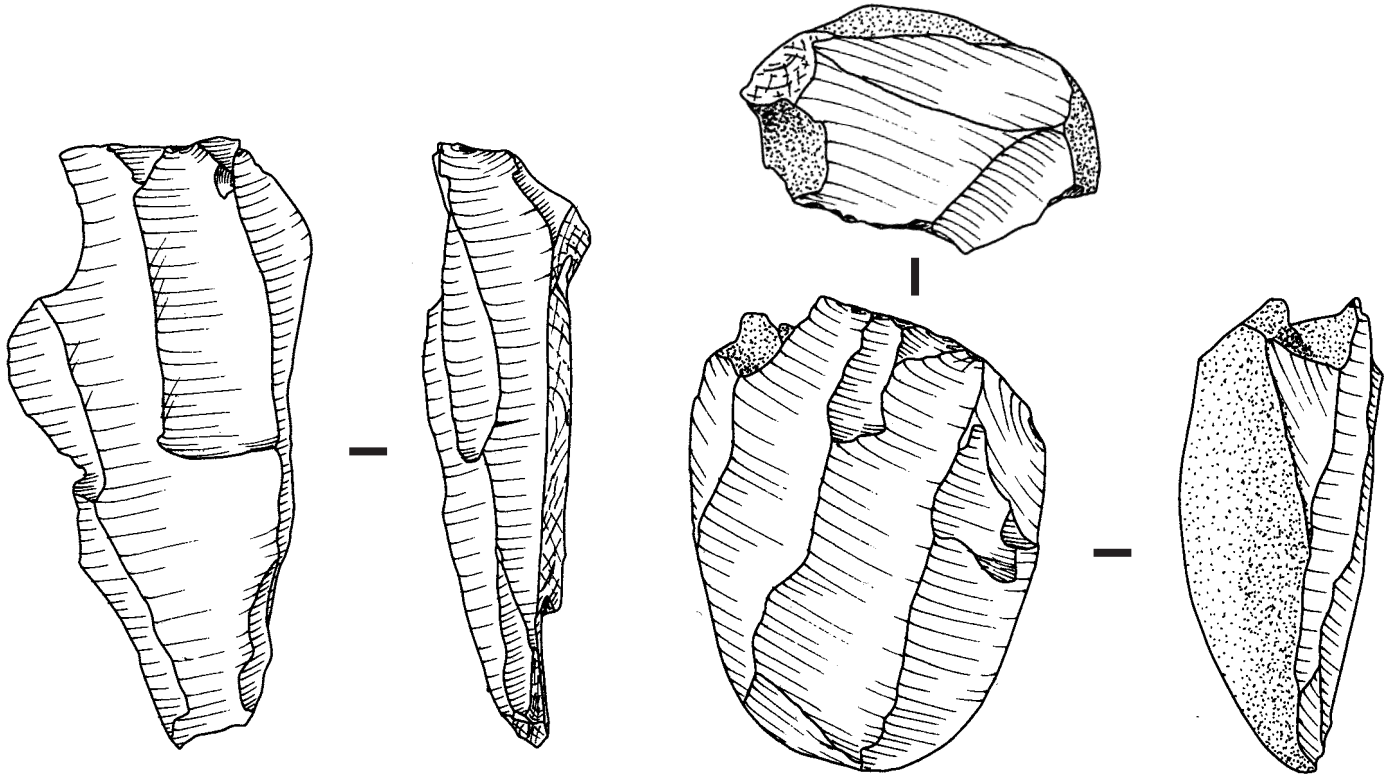
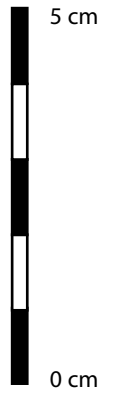
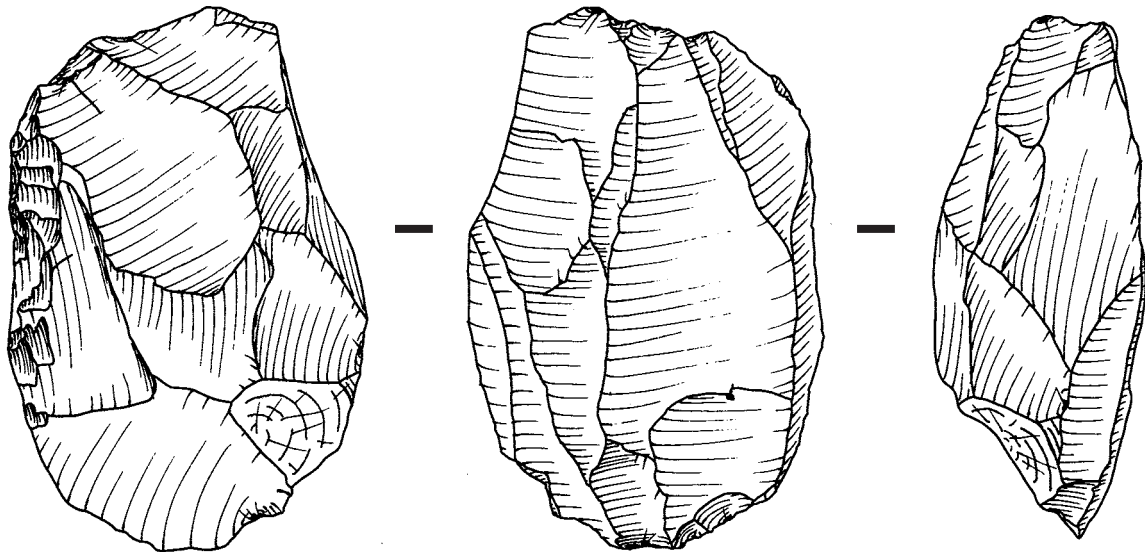
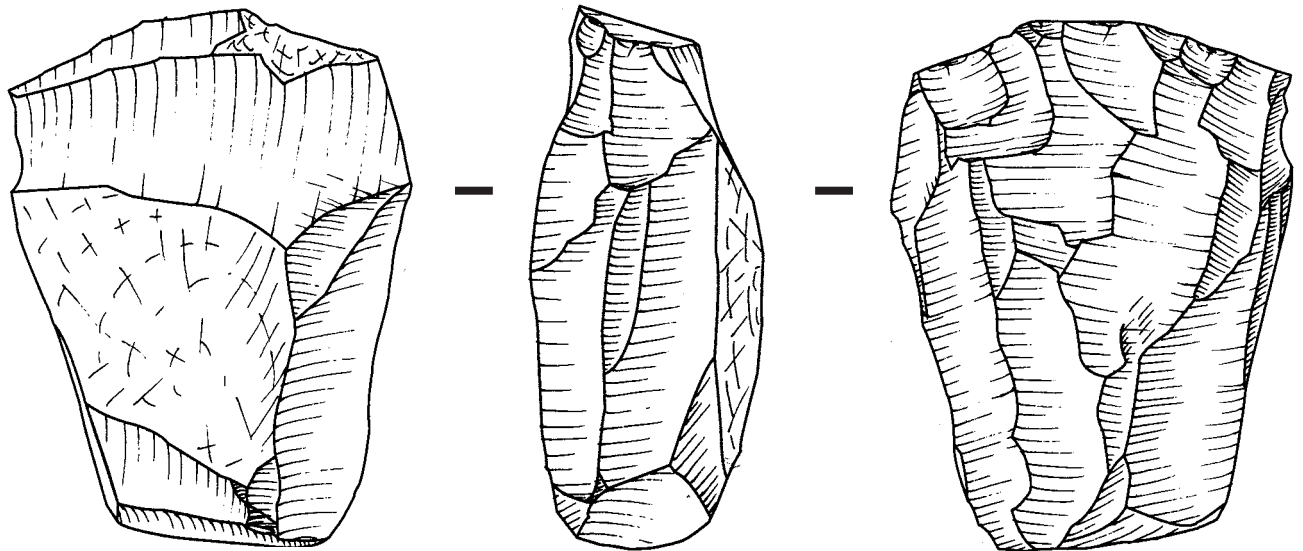


Annexe n°8 - Val Lastari - Lames et Frag. de lames

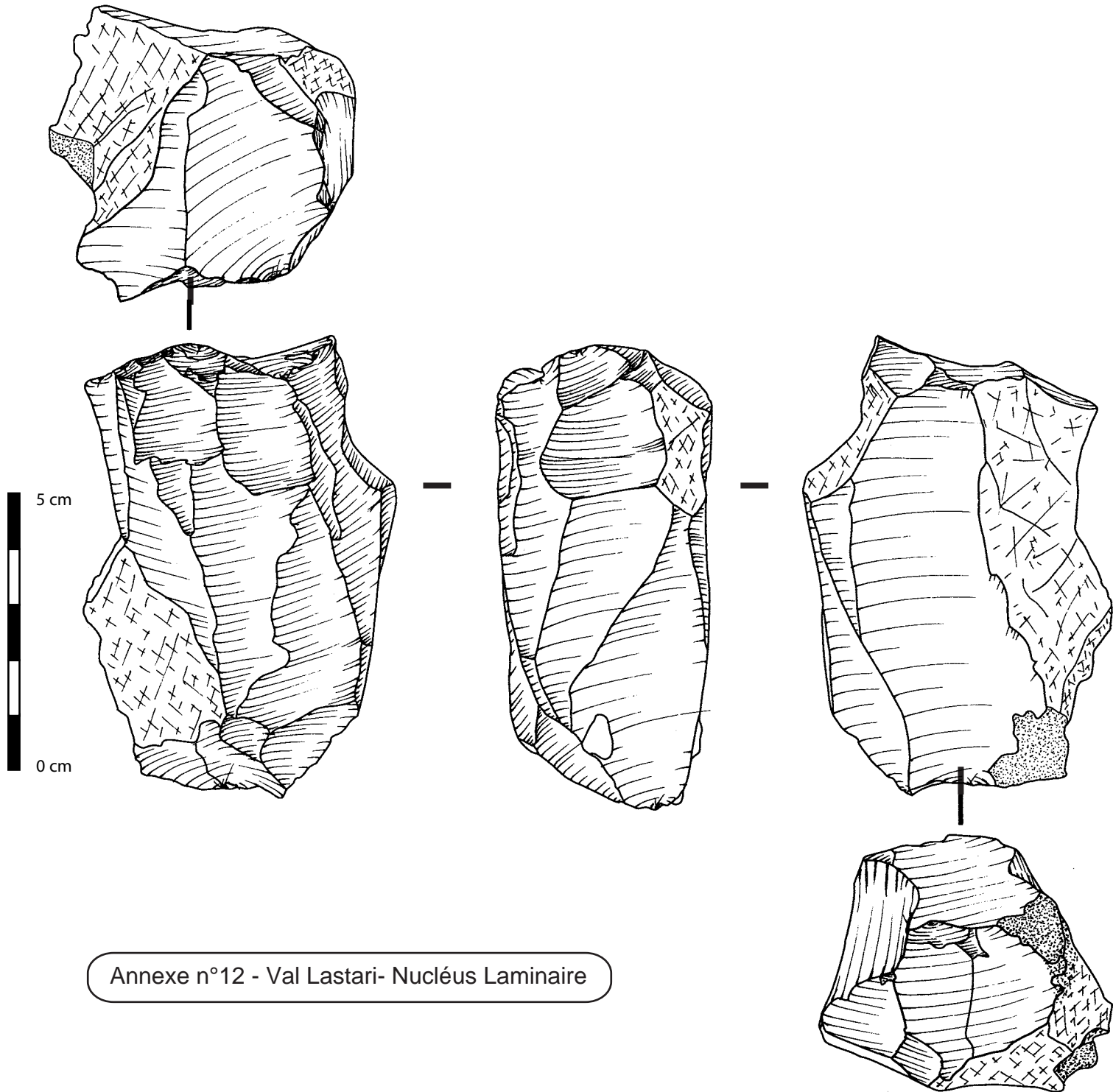


Annexe n°9 - Val Lastari - Remontage lames outrepassées

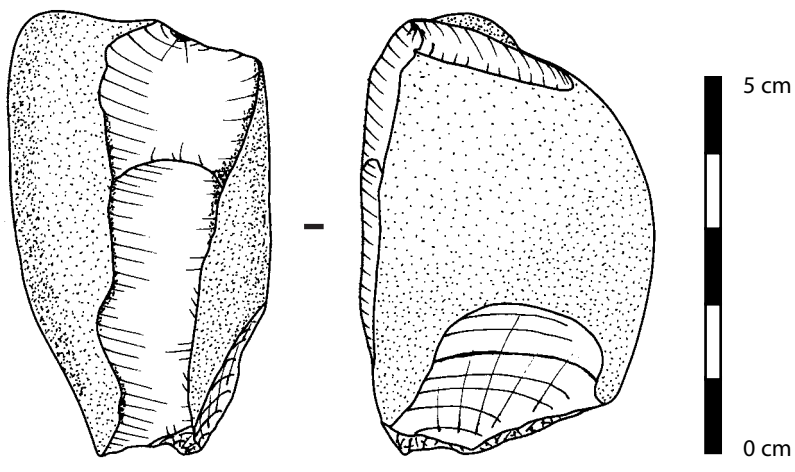
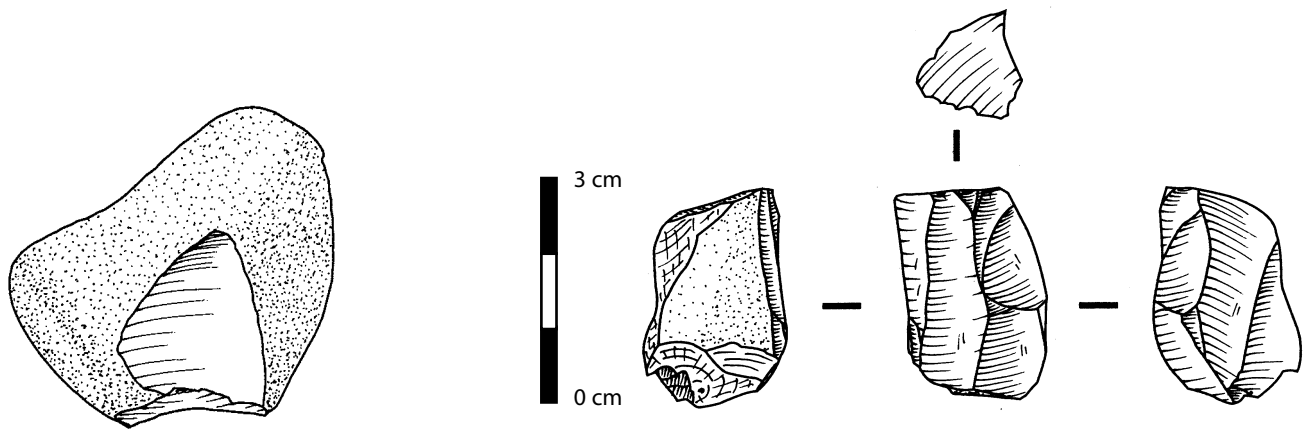
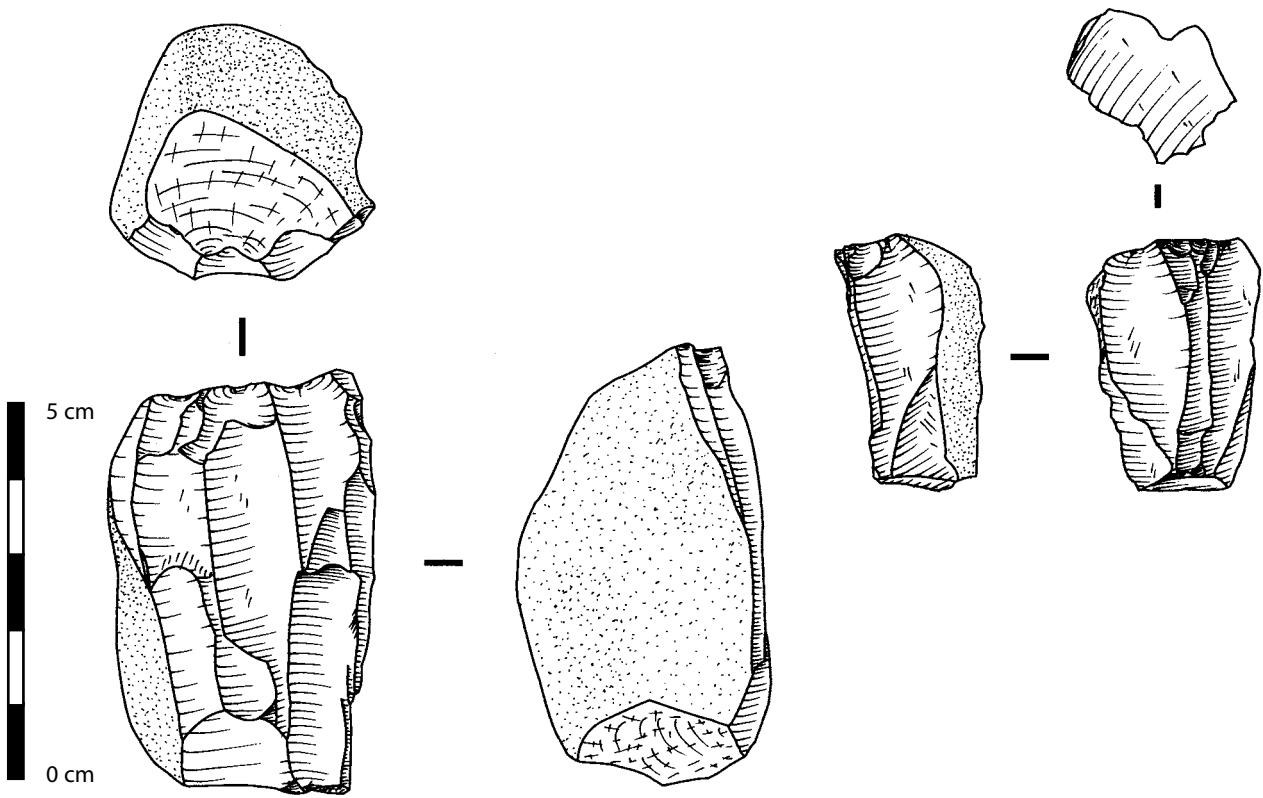




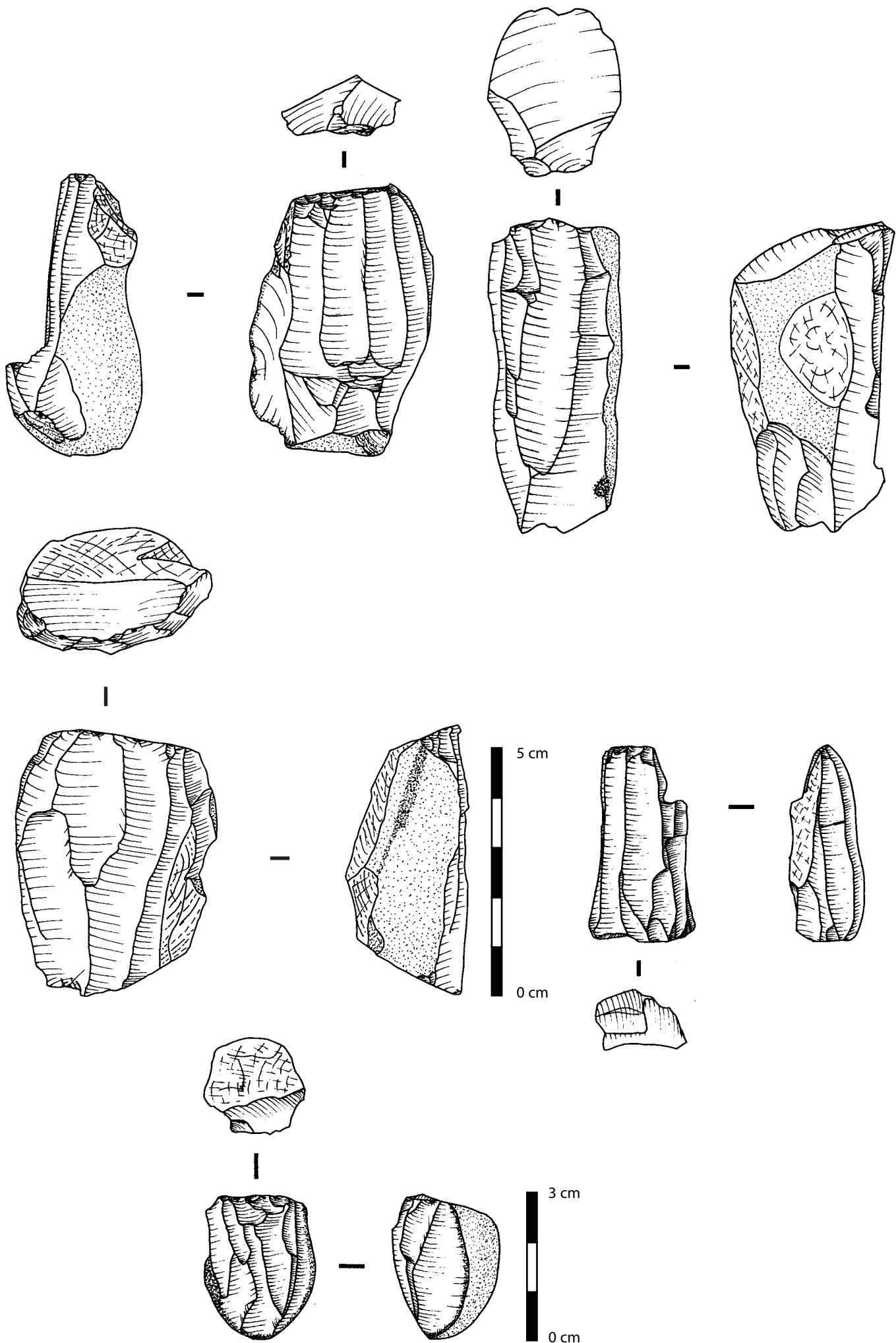
Annexe n°11 - Val Lastari - Nucléus Laminaire



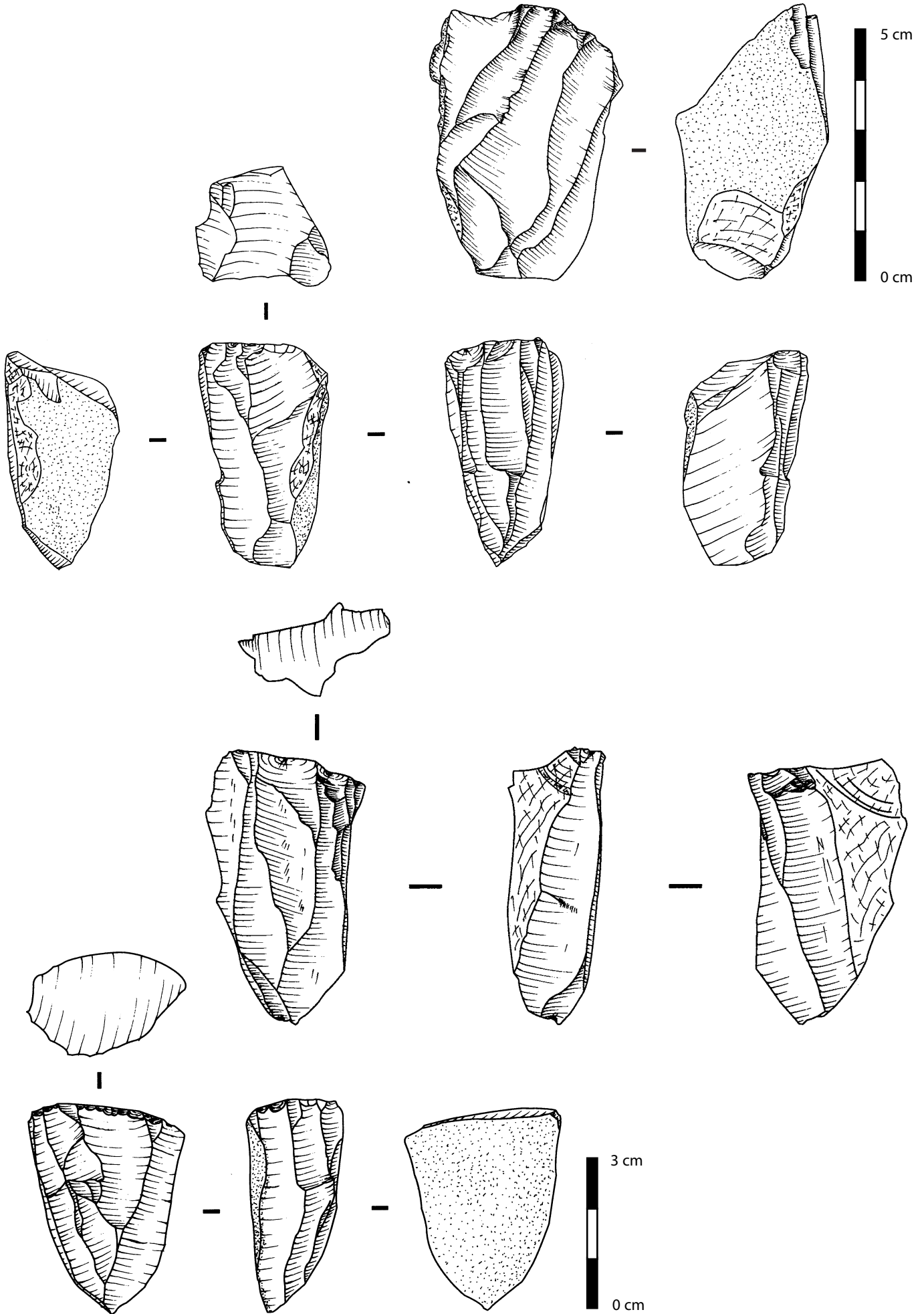
Annexe n°12 - Val Lastari- Nucléus Laminaire



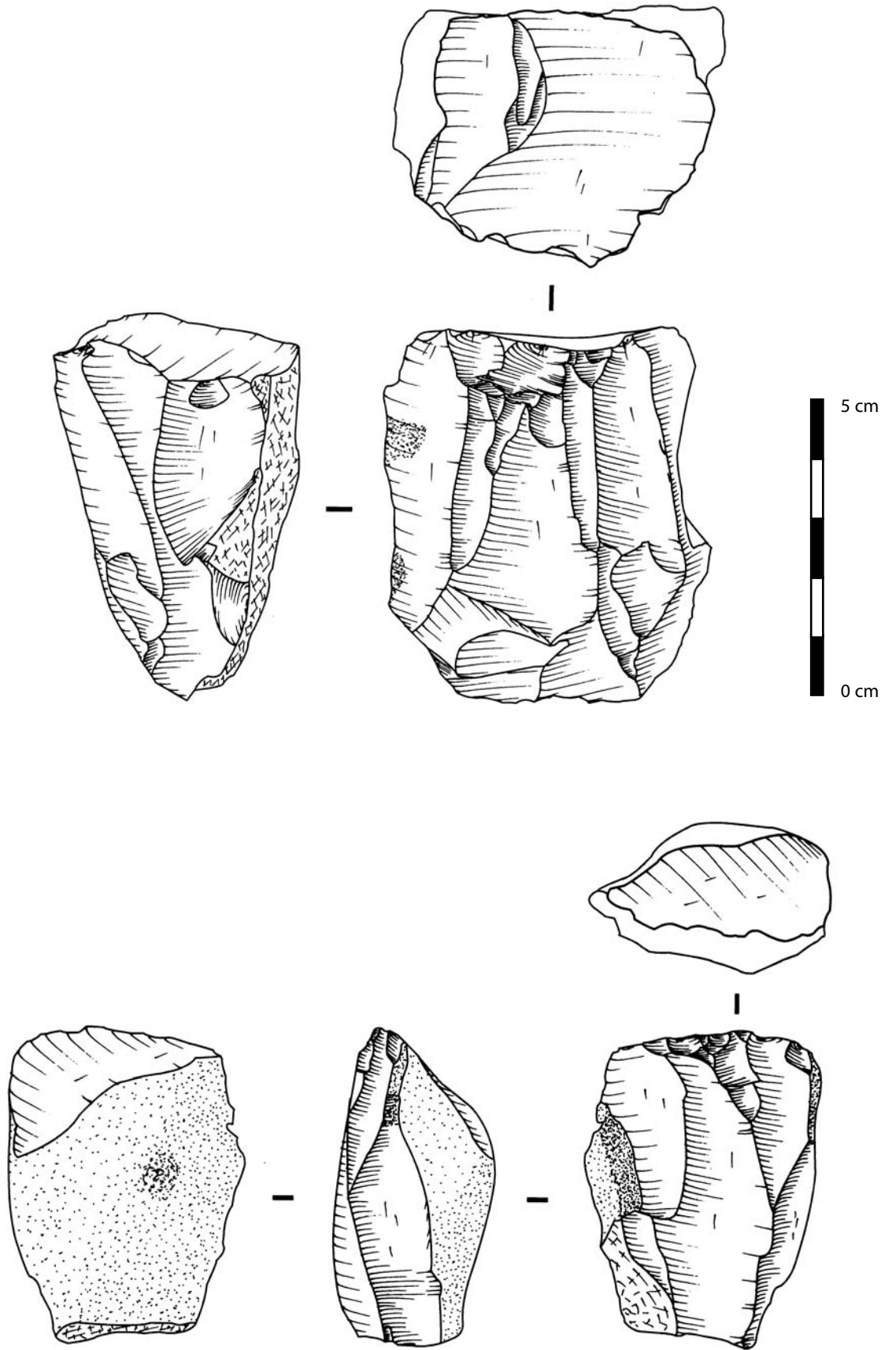
Annexe n°13 - Val Lastari - Nucléus à grandes et petites lamelles



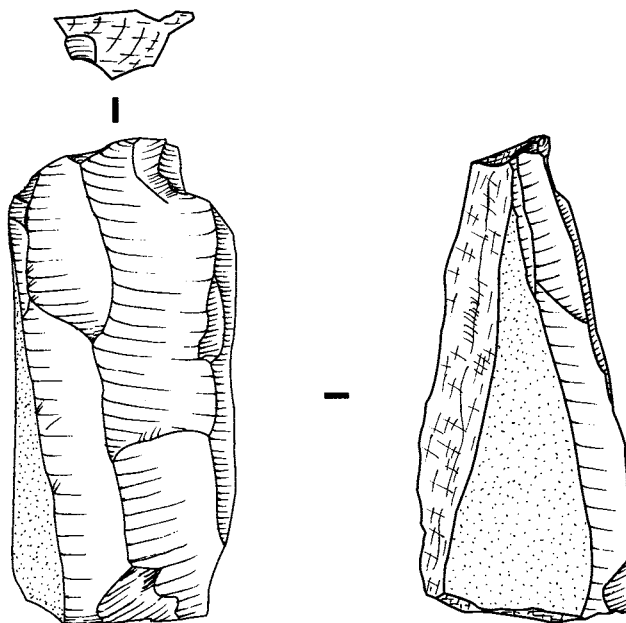
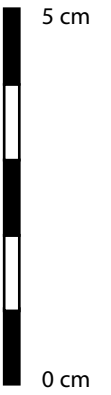
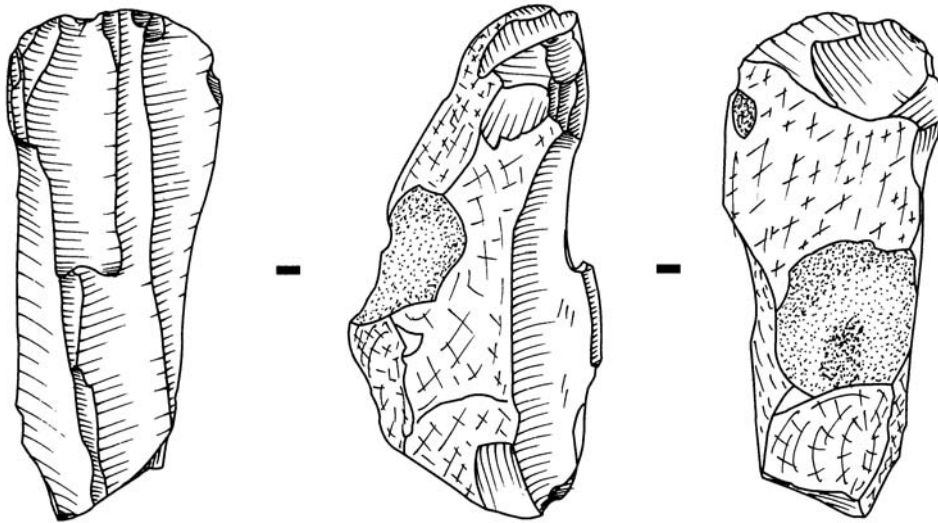
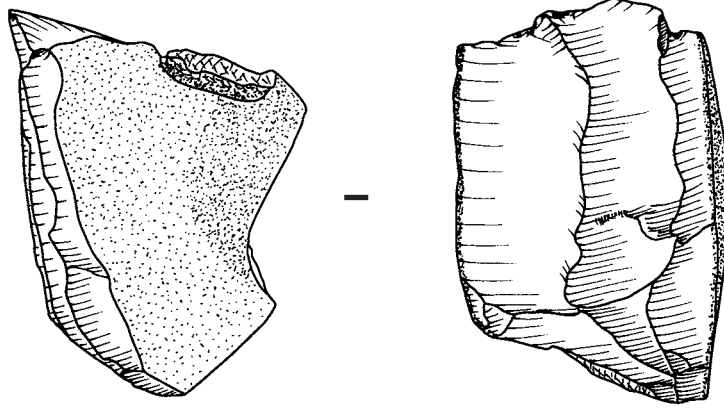
Annexe n°14 - Val Lastari - Nucléus à grandes et petites lamelles

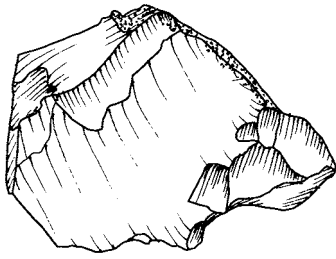


Annexe n°15 - Val Lastari - Nucléus à grandes et petites lamelles

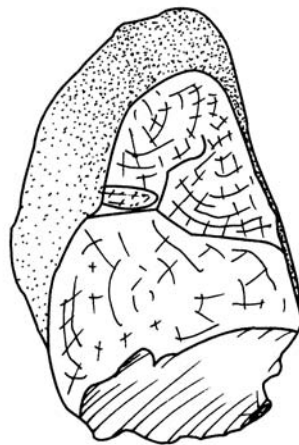
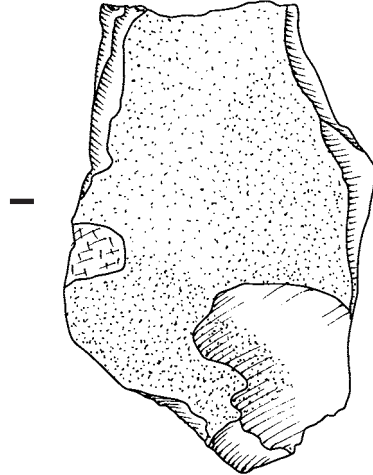
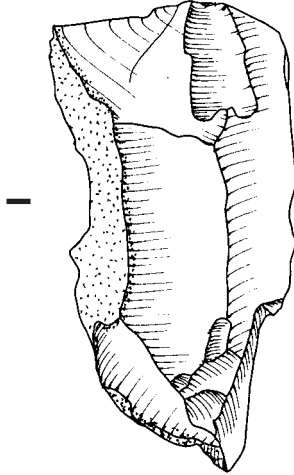
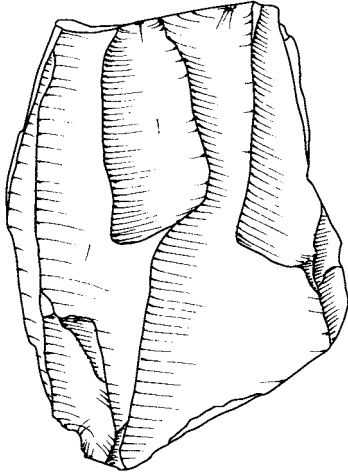


Annexe n°16 - Val Lastari - Nucléus à grandes lamelles





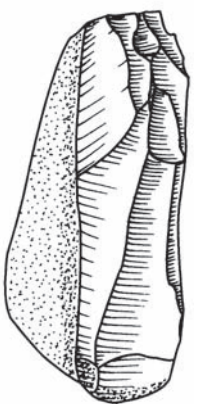
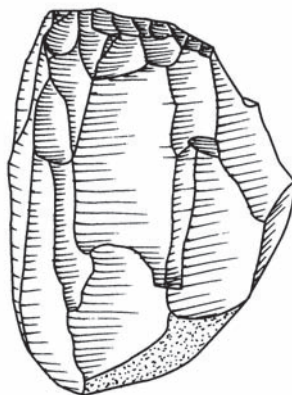
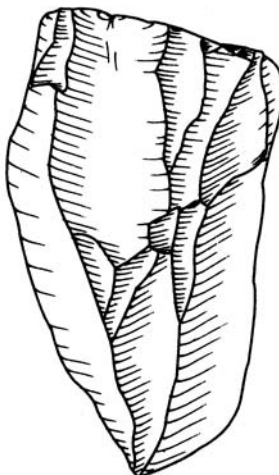
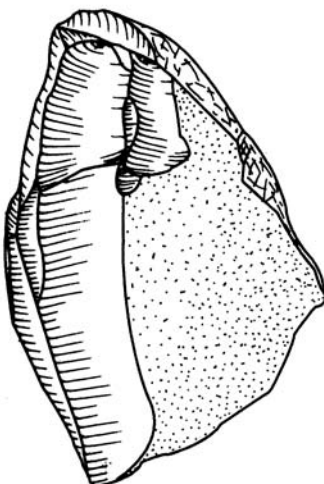
I

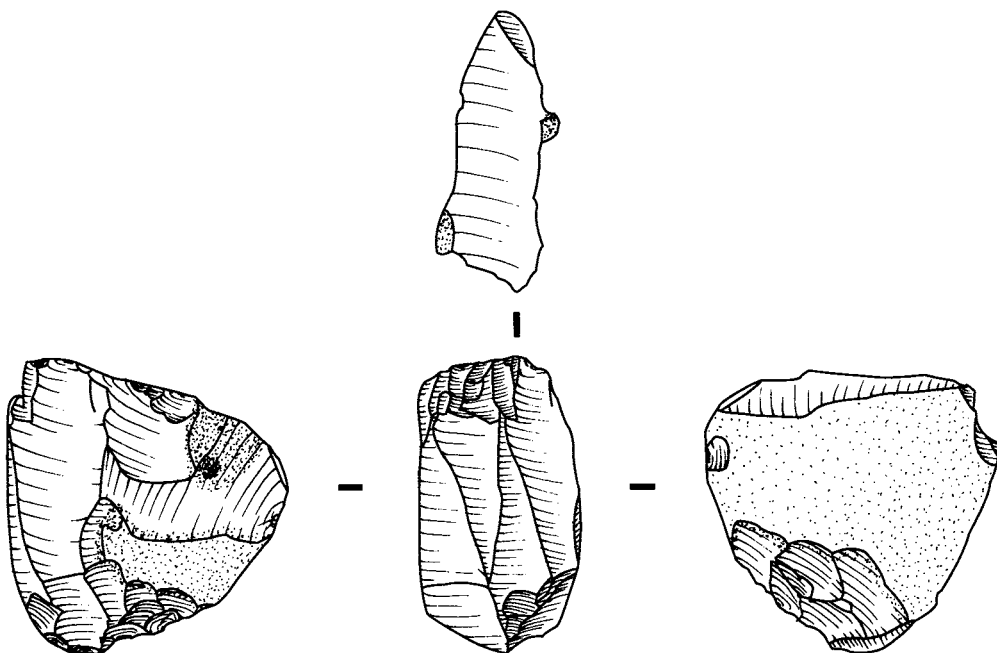
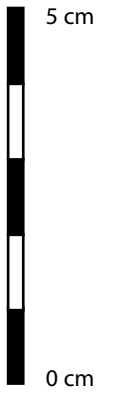
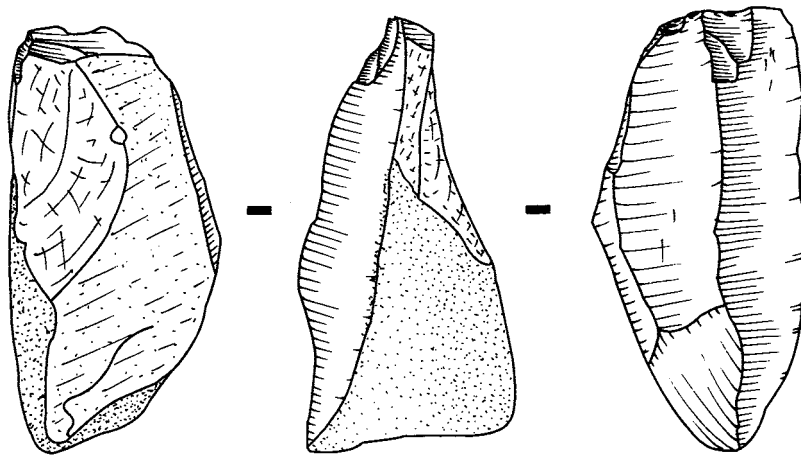
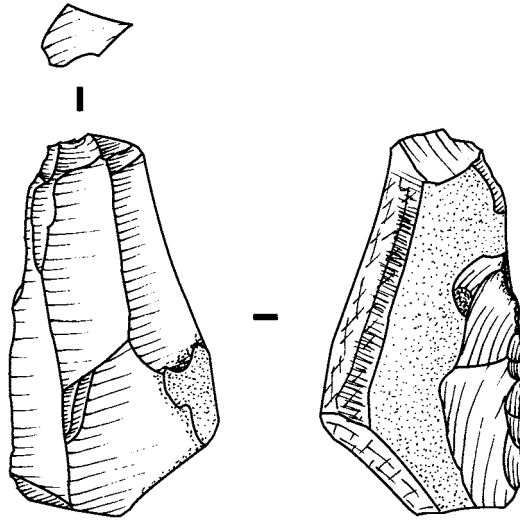


I

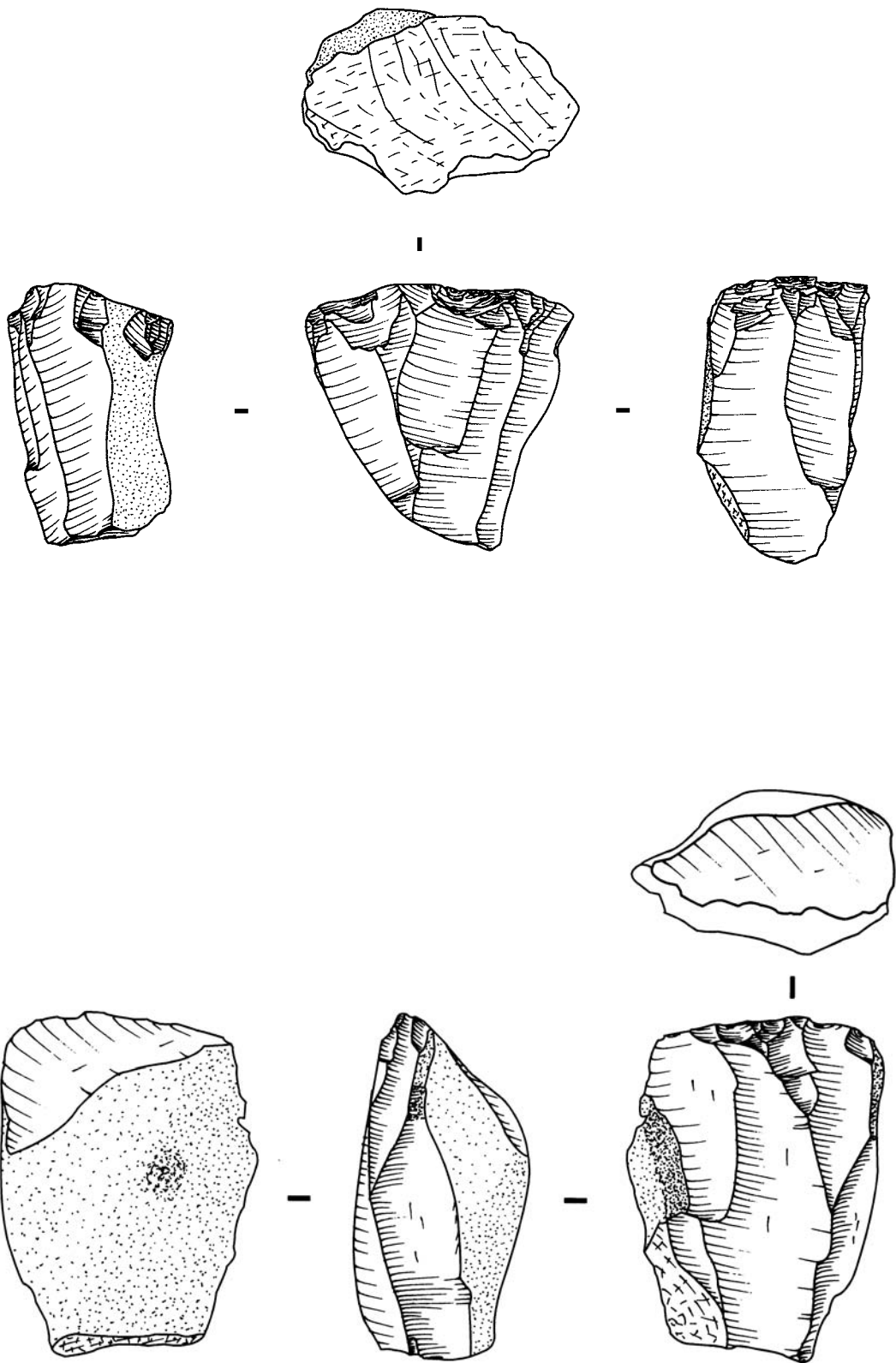


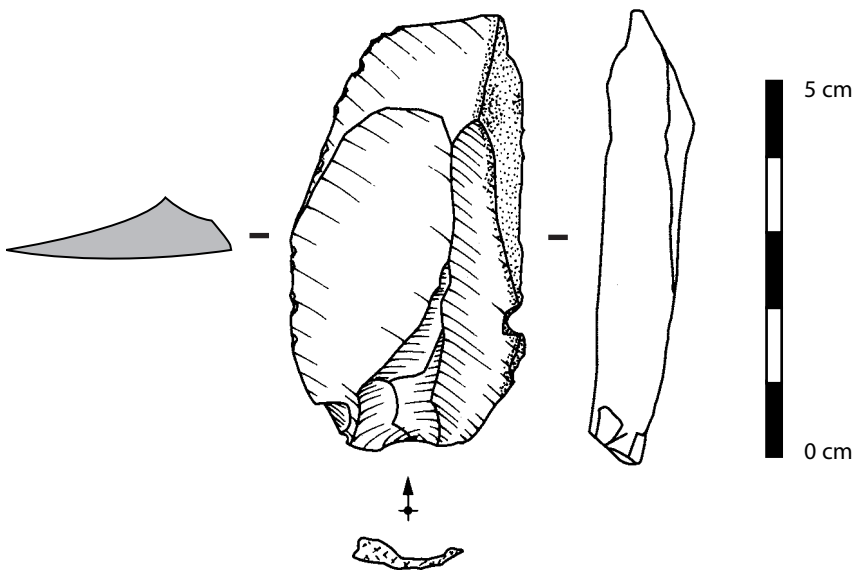
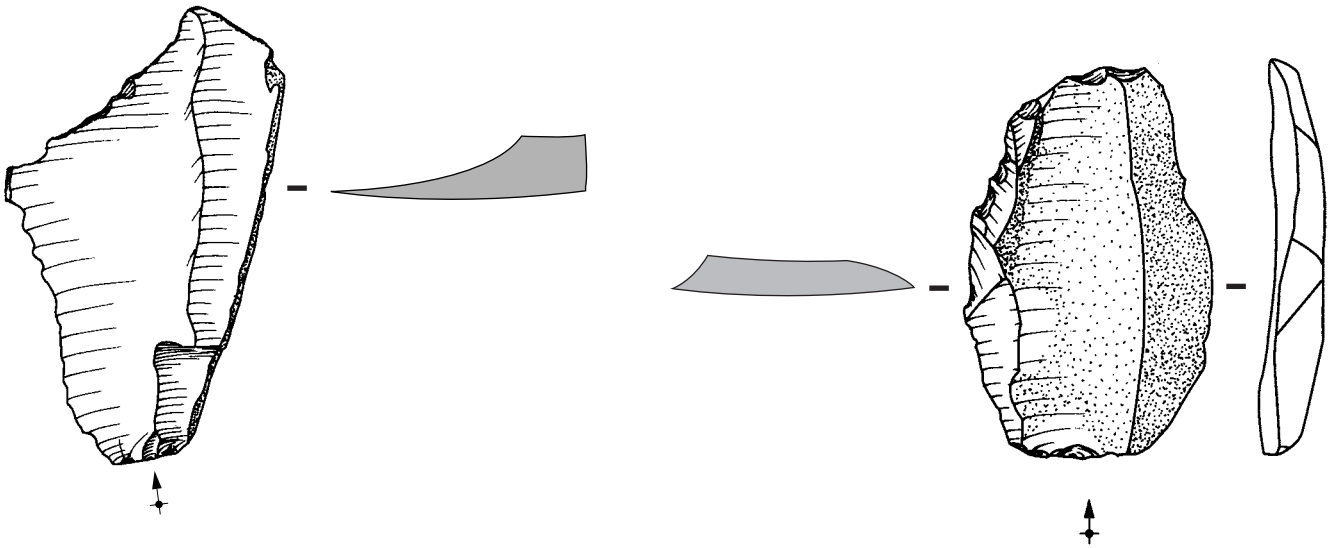
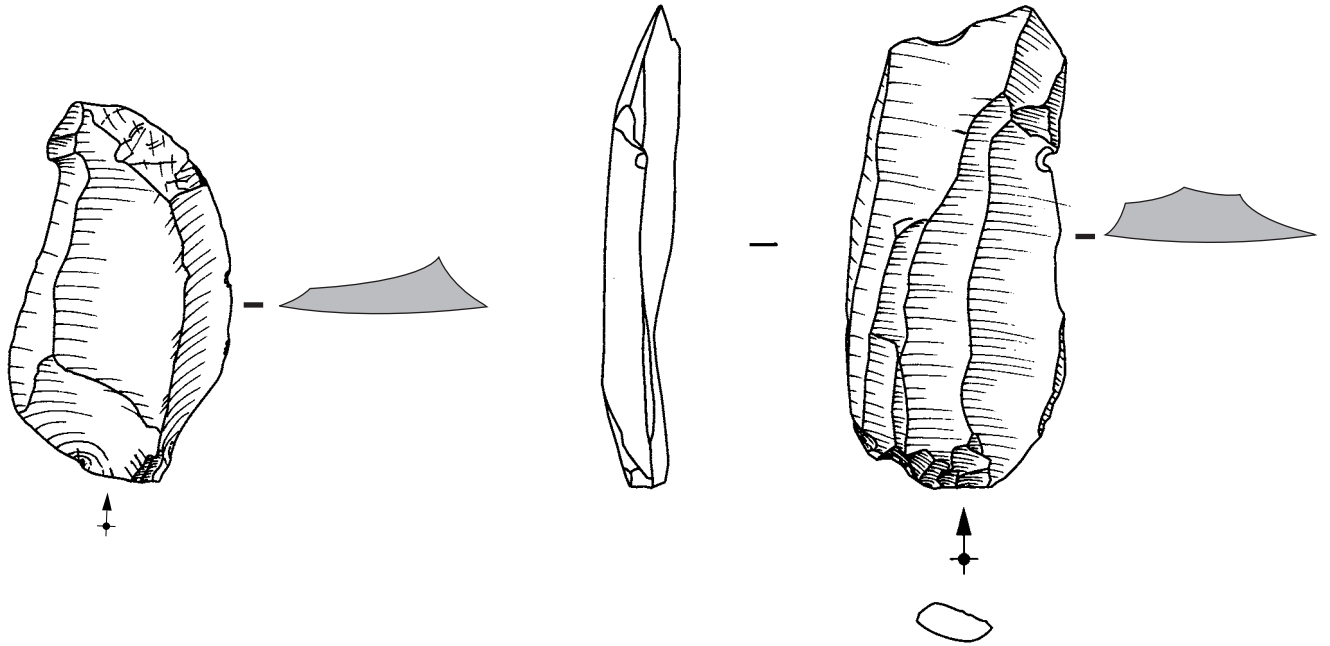
I

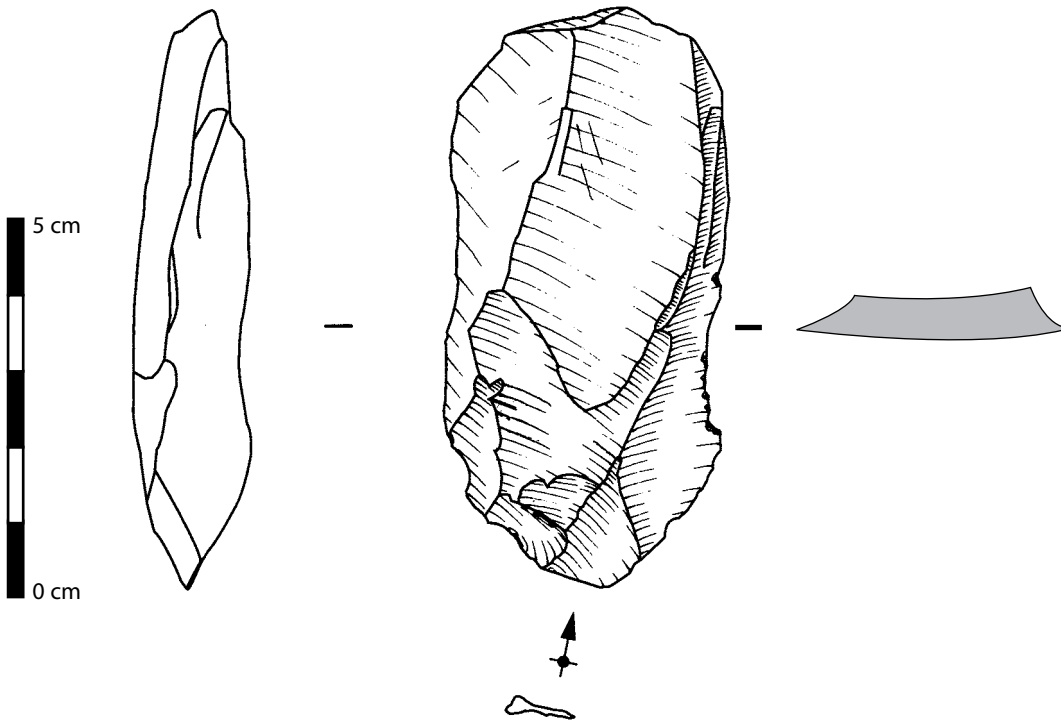
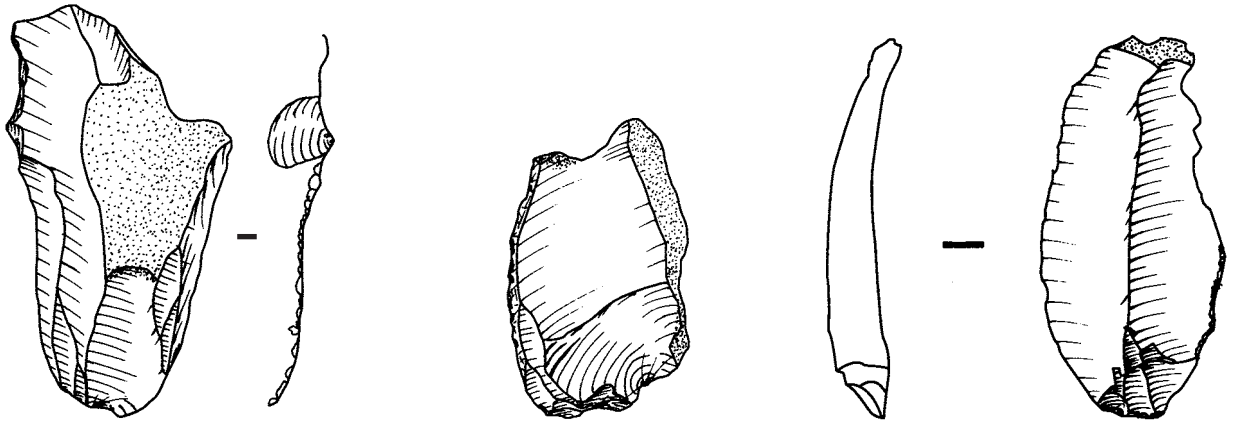




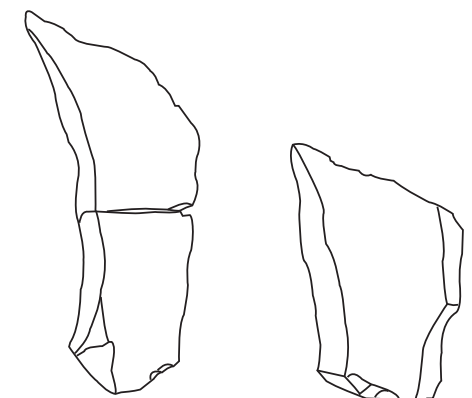
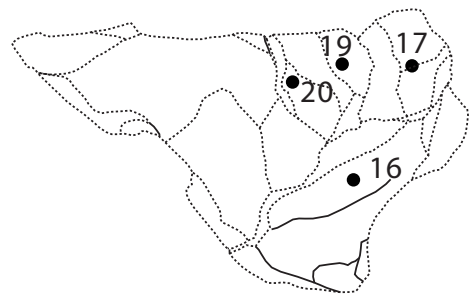
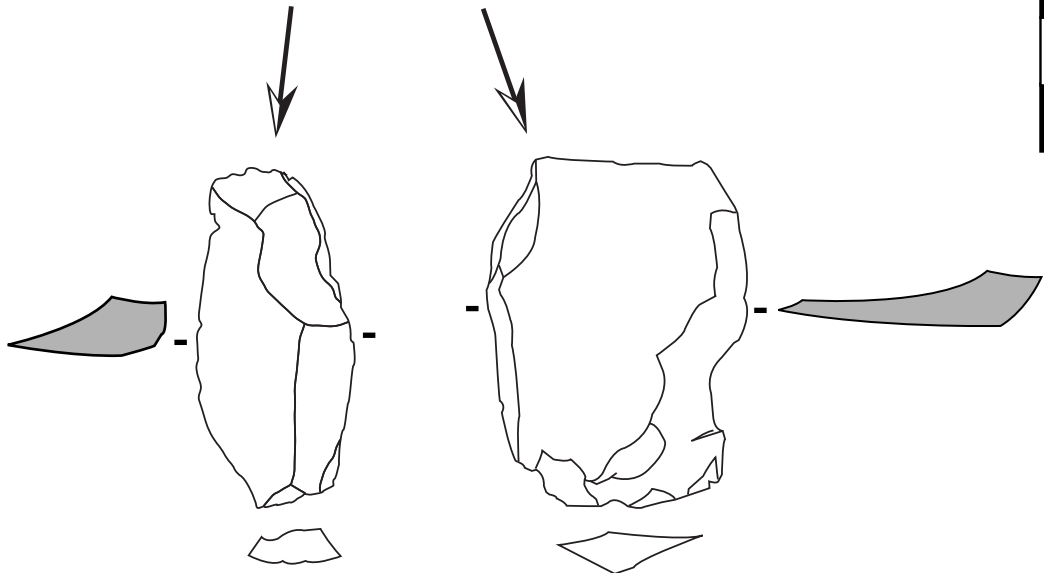
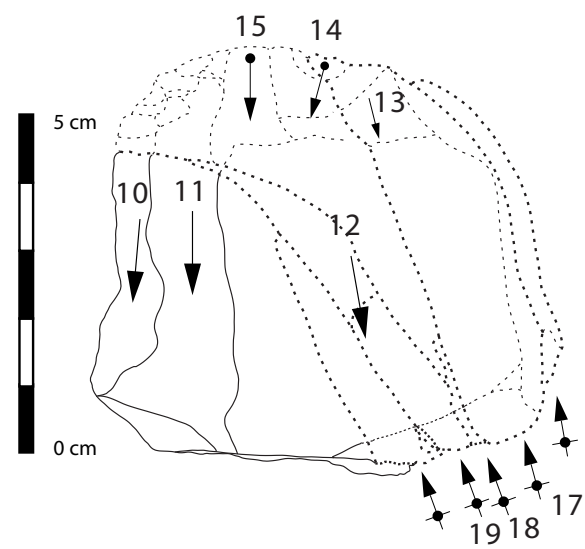
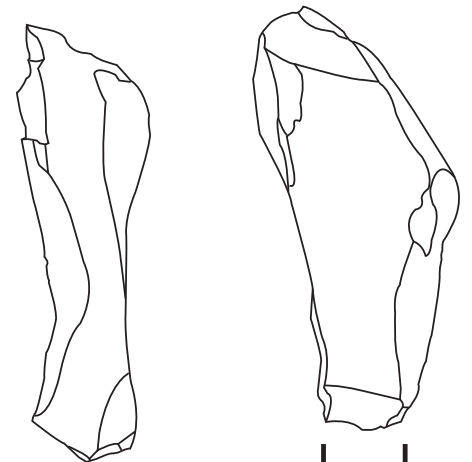
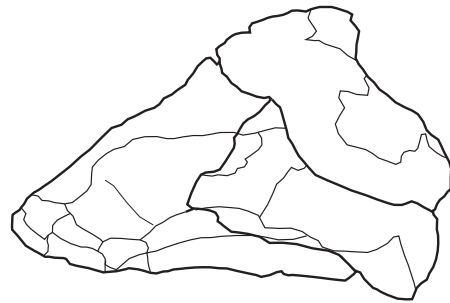
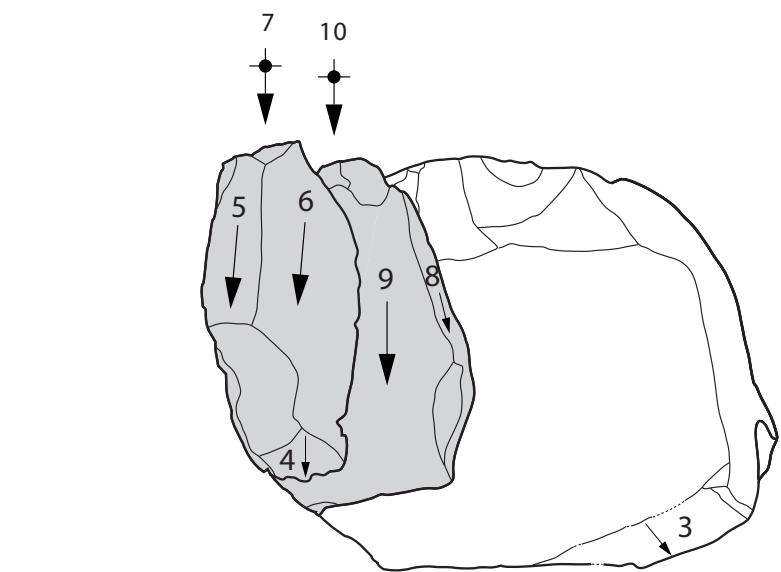
Annexe n°19 - Val Lastari - Nucléus lamellaires







Annexe n°22 - Val Lastari - Eclats laminaires



7

10

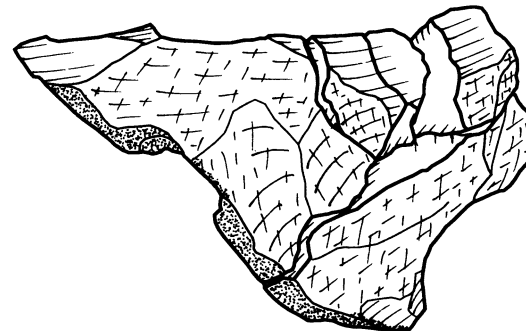
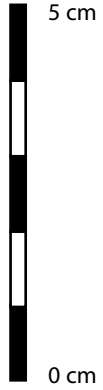
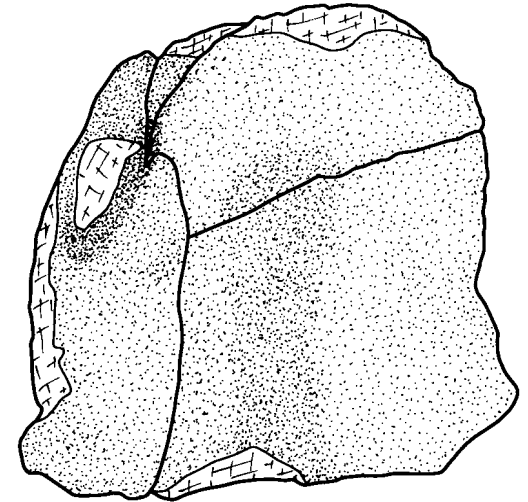
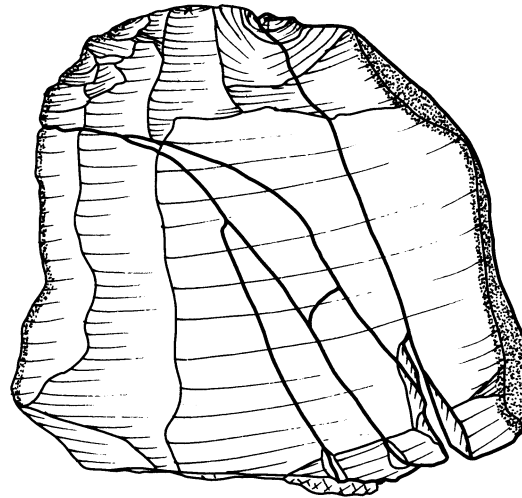
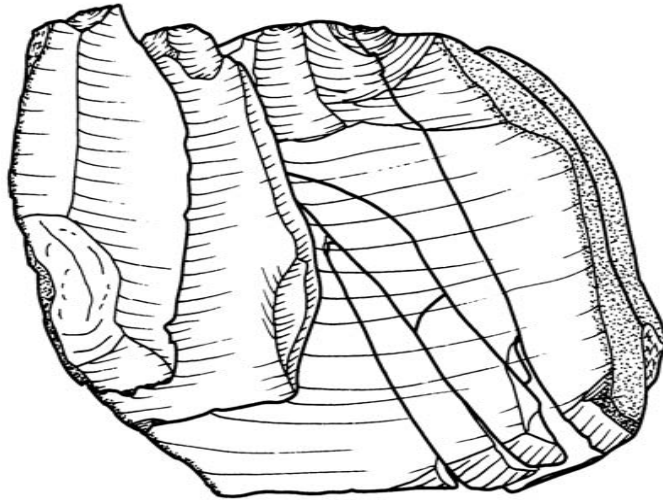
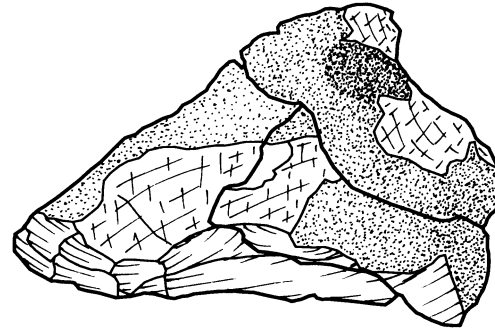
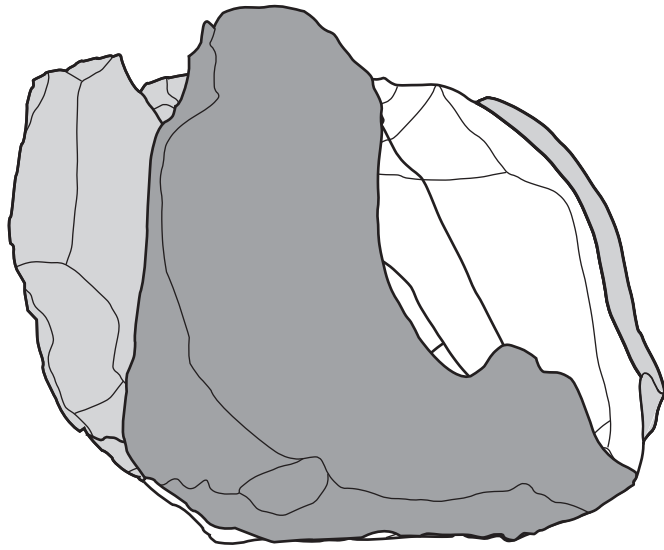
17

18

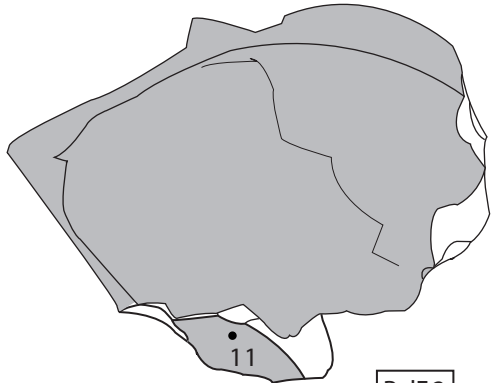
19

20

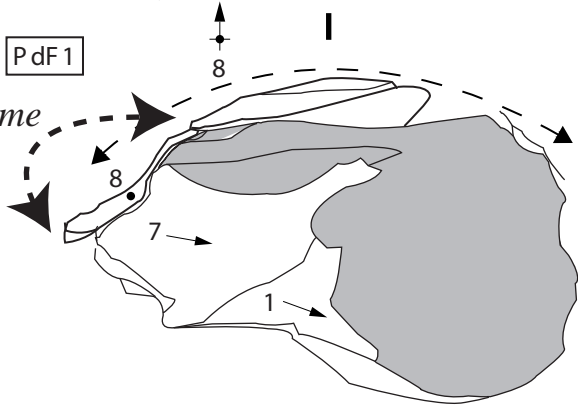
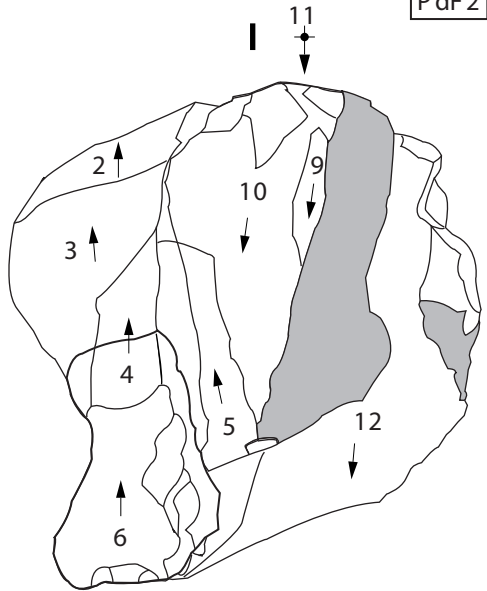
Annexe n°23 - Val Lastari - Schéma diacritique
Nucléus à Eclats Laminaires et supports



Annexe n°24 - Val Lastari
Remontages Nucléus à Eclats Laminaires



PdF2

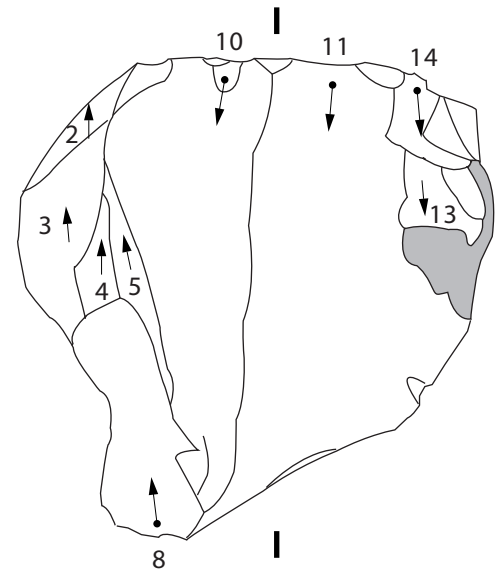
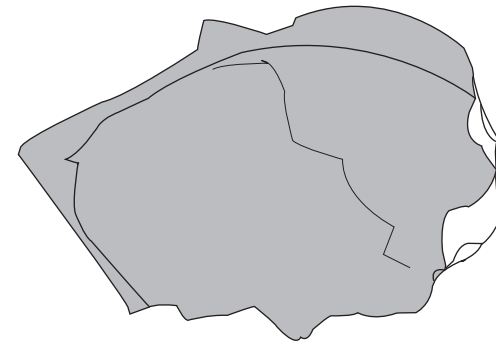


PdF1

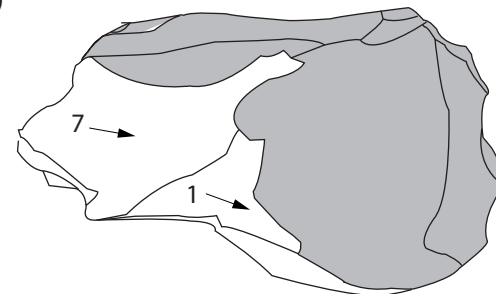


Cortex ou Néocortex

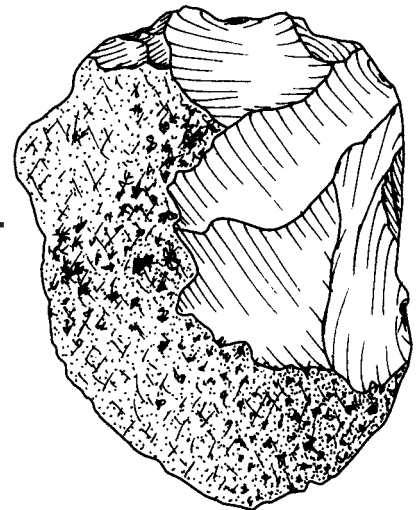
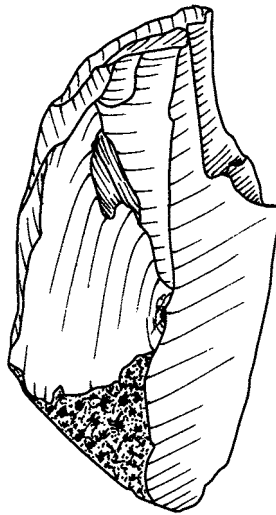
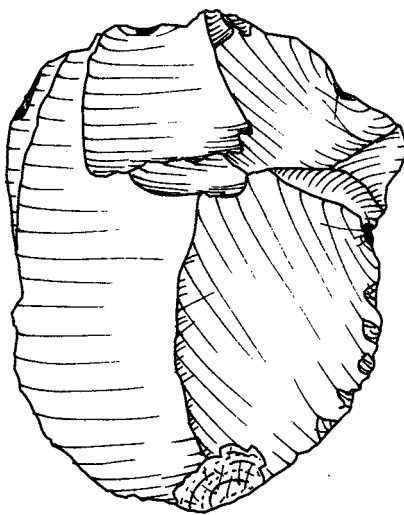
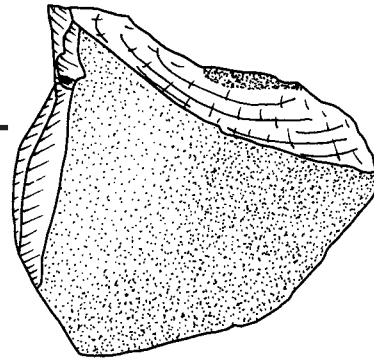
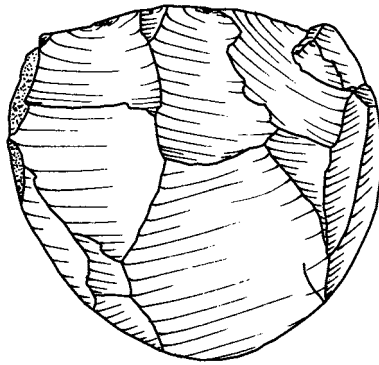
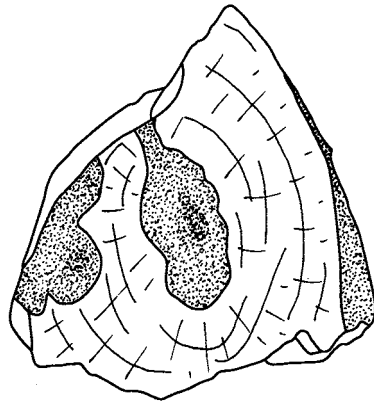
② *Exploitation de la surface la plus large par un second PdF*

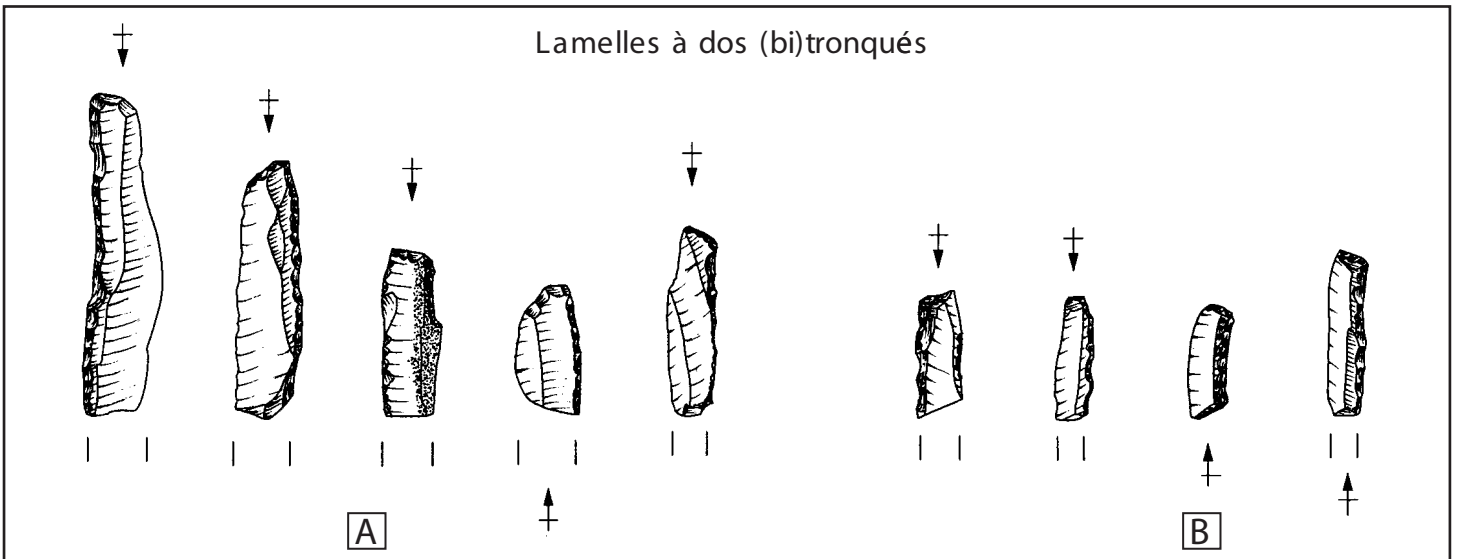
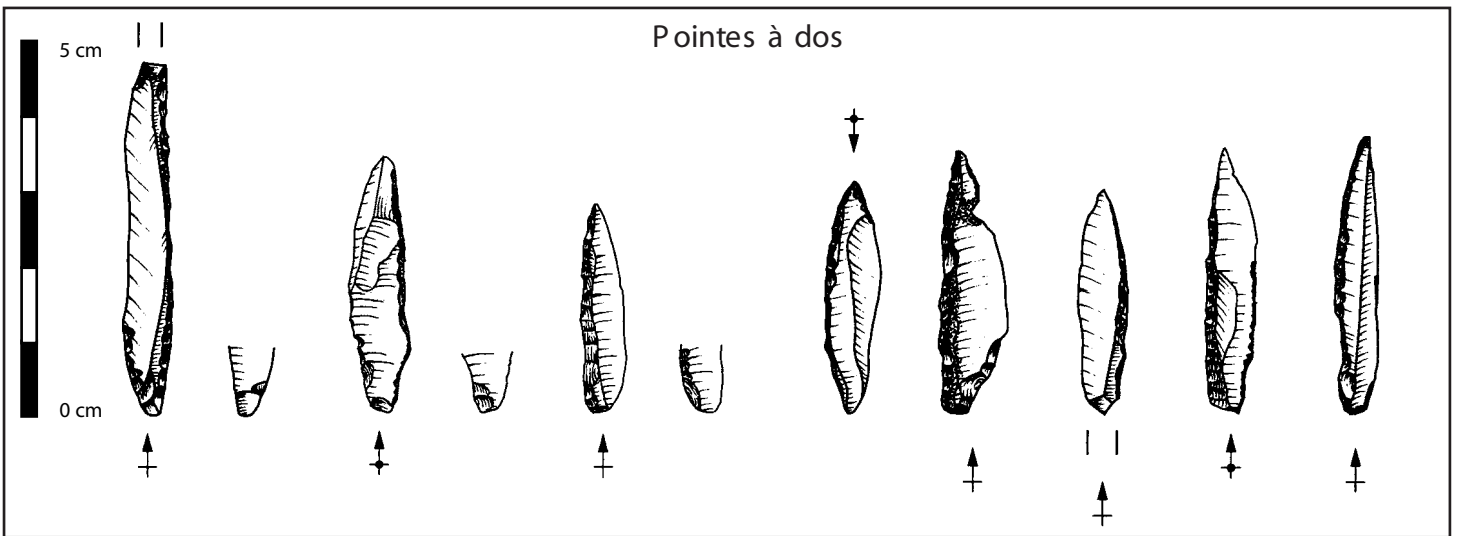
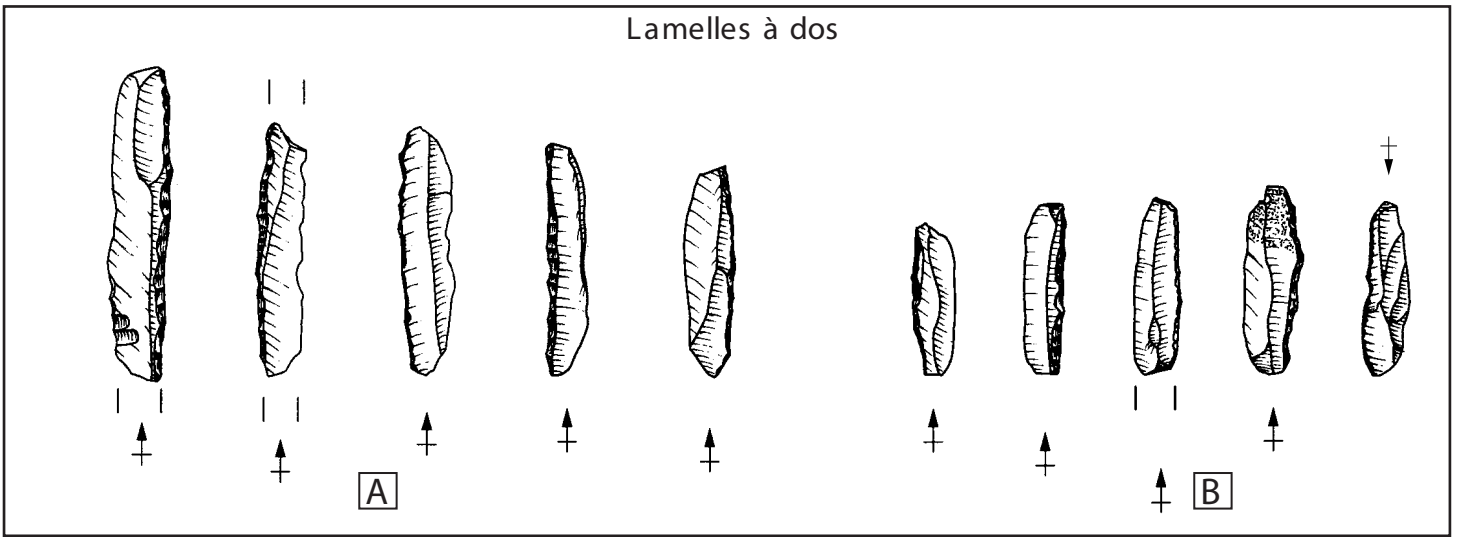


① *Entame sur un dièdre naturel (centre de la surface large améliorée)*



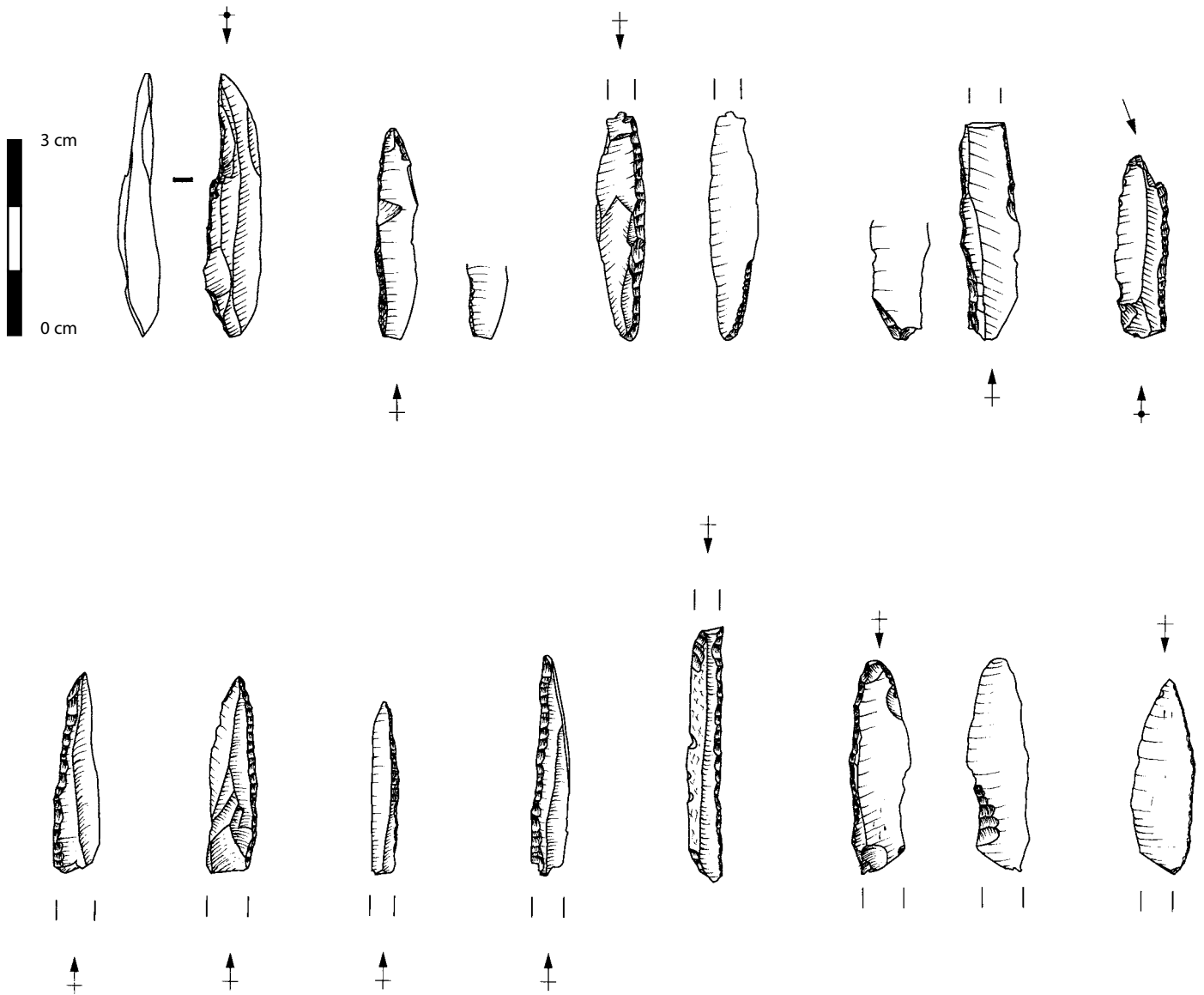
Annexe n°25 - Val Lastari
Schéma diacritique
Nucléus à Eclats Laminaires



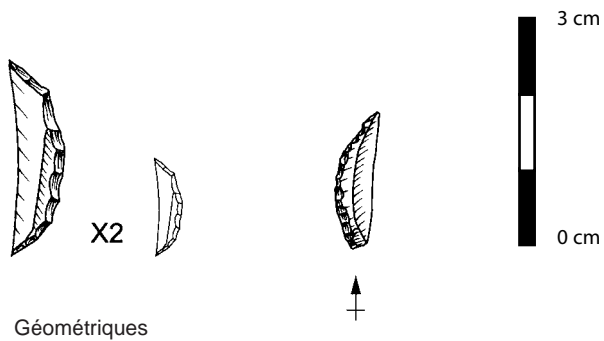
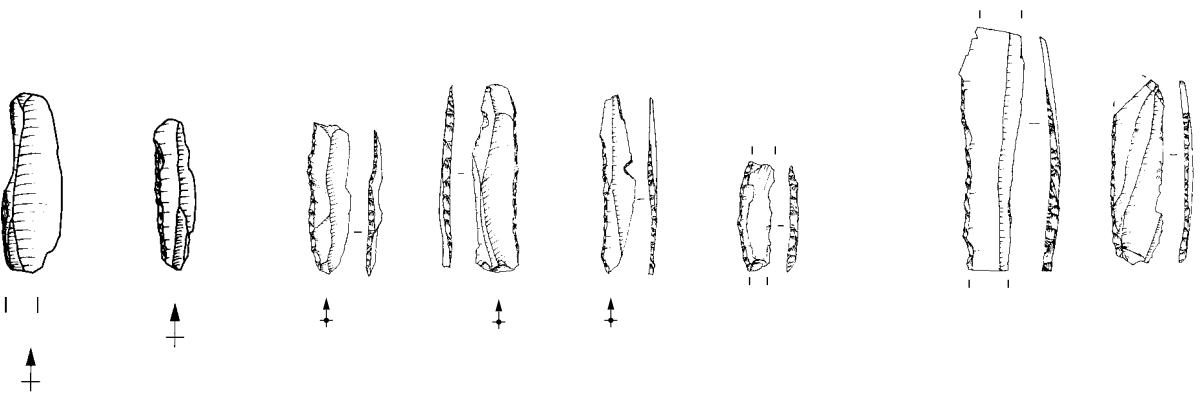
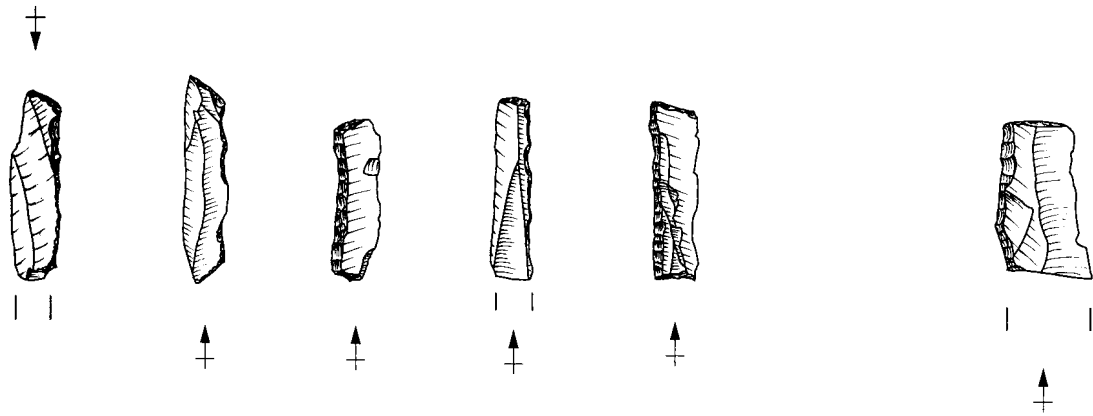


A Supports sur grandes lamelles

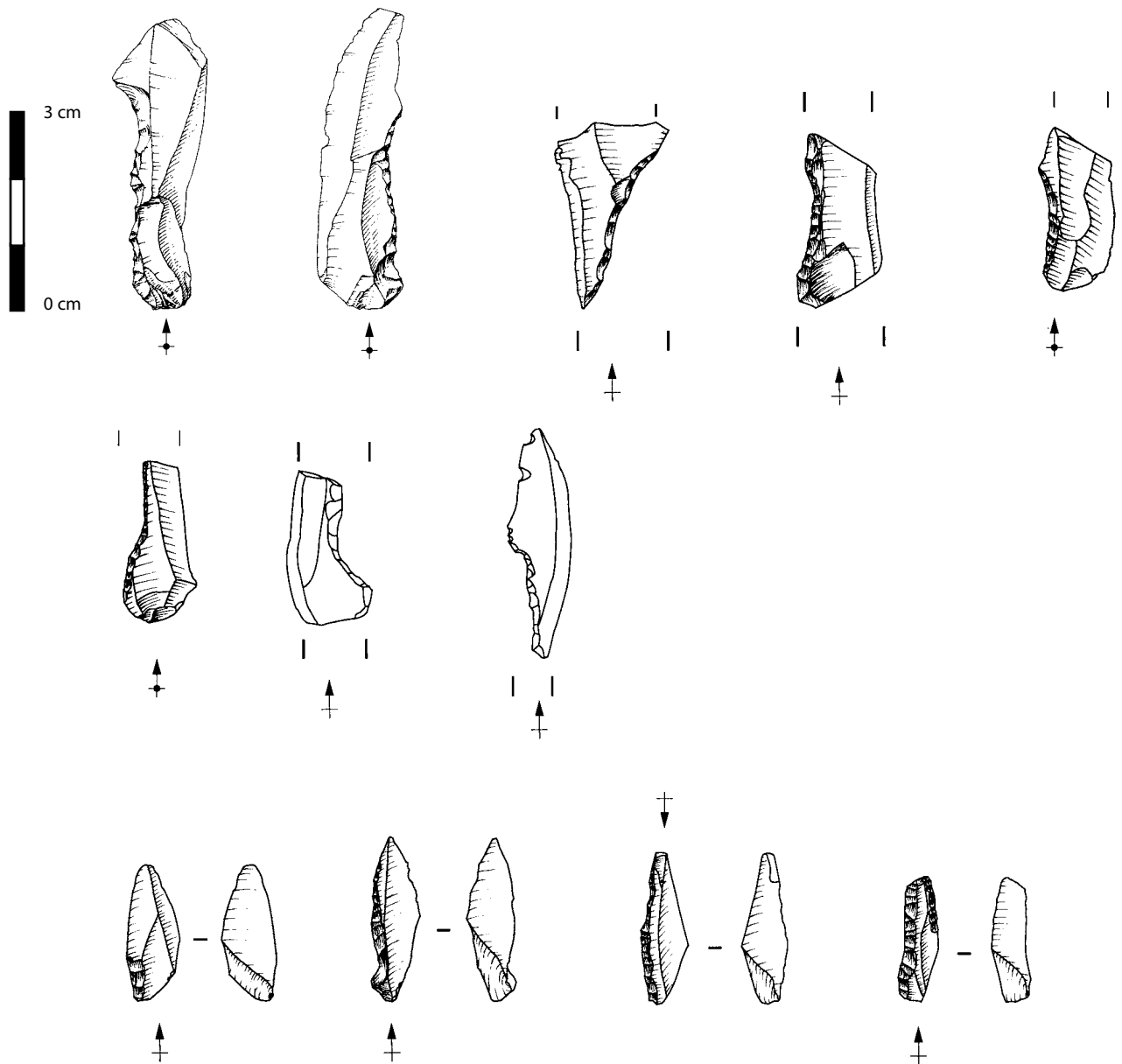
B Supports sur lamelles



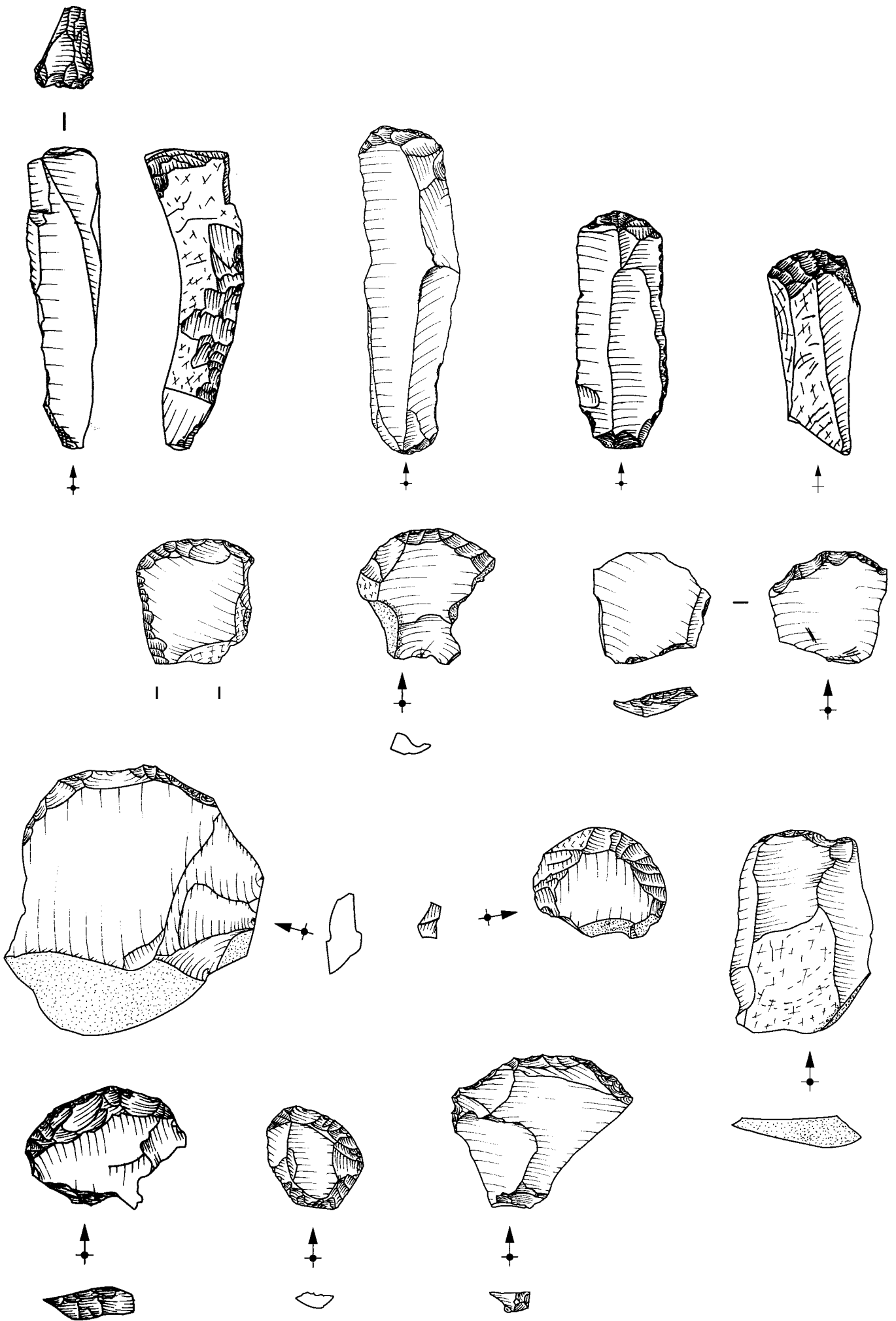
Annexe n°28 - Val Lastari - Armatures à dos
Pointes à dos et Fragments

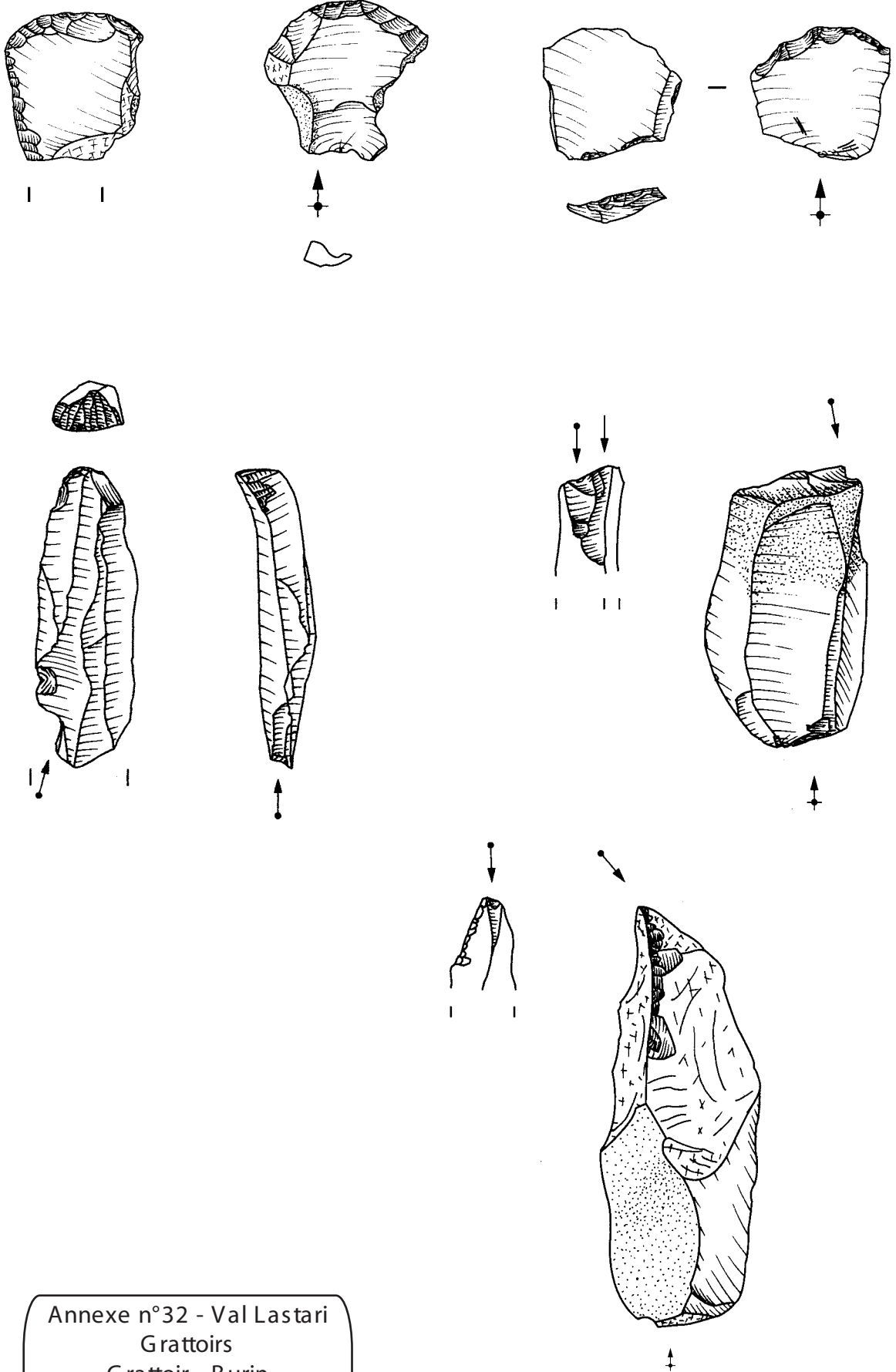


Annexe n°29 - Val Lastari- Armatures à dos
Lamelles à dos & lamelles à dos (bi)tronquées
Géométriques

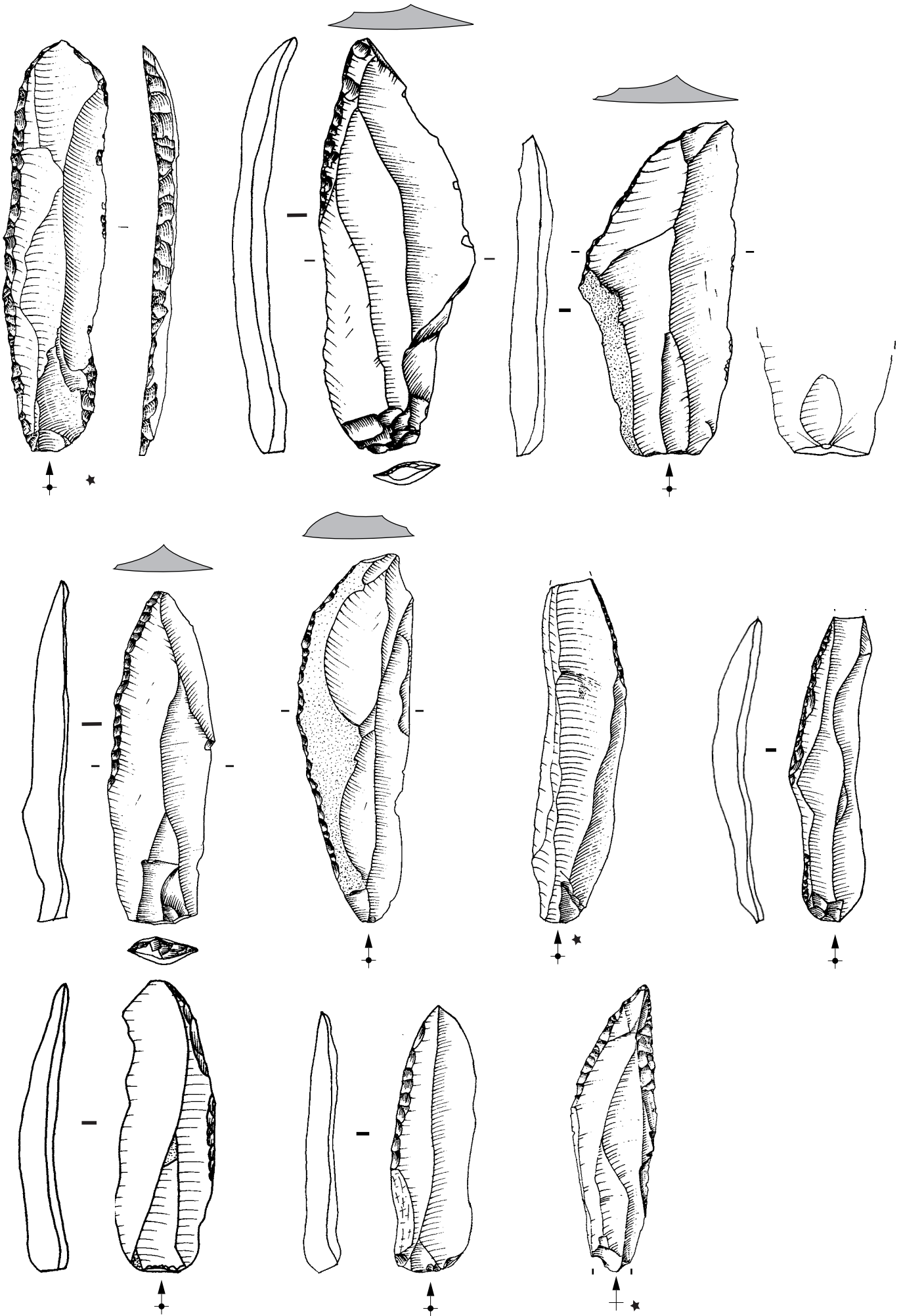


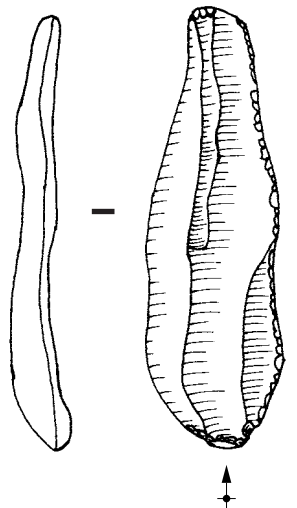
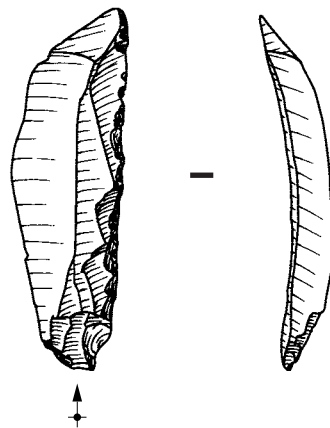
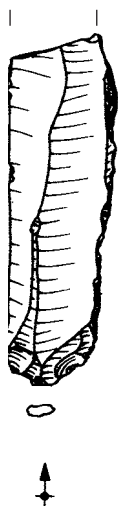
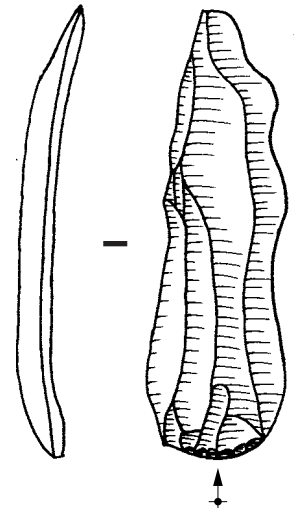
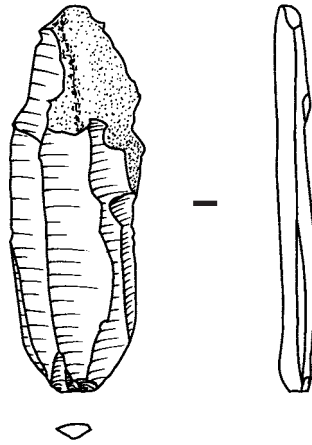
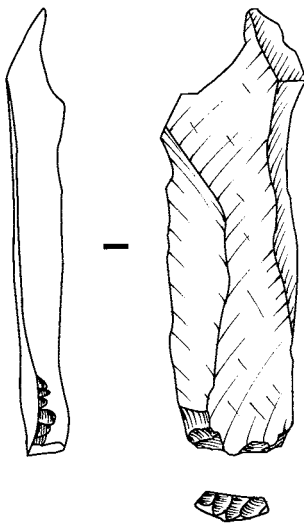
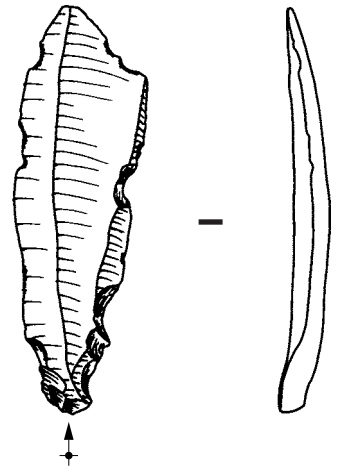
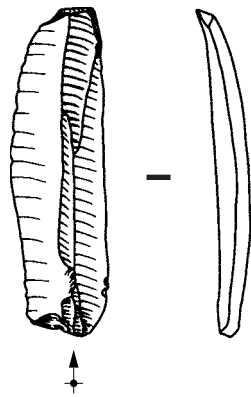
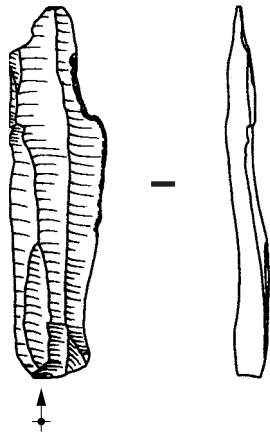
Annexe n°30 - Val Lastari - Armatures à dos
Façonnage et Micro-burins de Krukowski



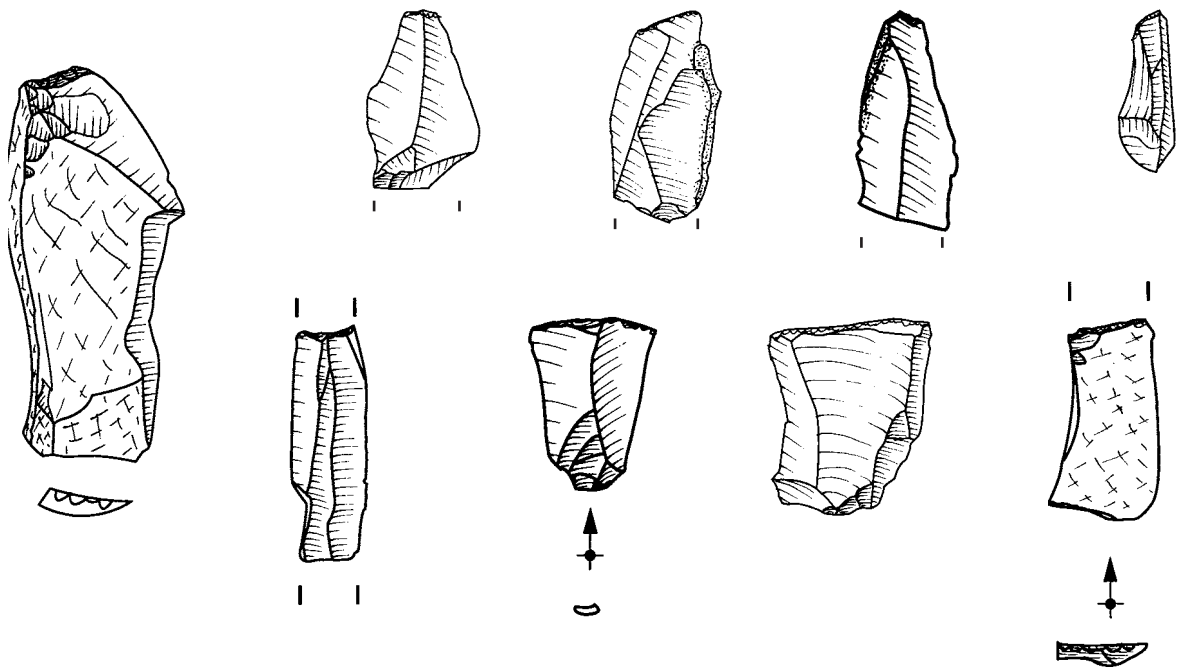


Annexe n°32 - Val Lastari
 Grattoirs
 Grattoir - Burin
 Burins





Annexe n°34 - Val Lastari - Lamelles et grandes lamelles retouchées



Annexe n°35 - Val Lastari - Troncatures

Saint Antoine - Vitrolles **(Annexes)**

Dessins de S. Lancelot
J. Jaubert
C Montoya

Annexe n°36

Décomptes Collection Lithiques de Saint Antoine – Vitrolles

(Locus 1 et 2)

Ensemble silex Locus 1 et 2						
	Pdts Bruts		Outils		Ensemble	
	N	%	N	%	N	%
<i>Phase Préparatoire</i>	3143	36	77	9,9	3220	31
Eclats Totalement corticaux	69	1	9	1,8	78	1
Eclats partiellement corticaux	359	4	13	1,2	372	4
Eclats non corticaux	2715	31	55	6,9	2770	27
<i>Phase de débitage</i>	5284	61	1609	190,1	6893	66
Pdts à crête(s)	75	1	5	0,4	80	1
Lames/Lamelles	4929	57	1566	185,9	6495	63
Entretien P. de frappe	171	2	8	0,6	179	2
Entretien Table débitage	109	1	30	3,3	139	1
Nucléus	266	3			266	3
Totaux	8693	100	1686	200	10379	100

Ensemble Bédoulien Locus 1						
	Pdts Bruts		Outils		Ensemble	
	N	%	N	%	N	%
Phase Préparatoire	377	34,2	12	9,5	389	31,7
Eclats Totalement corticaux	14	1,3	3	2,4	17	1,4
Eclats partiellement corticaux	64	5,8	1	0,8	65	5,3
Eclats non corticaux	299	27,1	8	6,3	307	25,0
			0			
Phase de débitage	696	63,1	114	90,5	810	65,9
Pdts à crête(s)	10	1	0	0,0	10	0,8
Lames/Lamelles	638	57,8	112	88,9	750	61,0
Entretien P. de frappe	31	2,8	0	0,0	31	2,5
Entretien Table débitage	17	1,5	2	1,6	19	1,5
Nucléus	30	2,7			30	2,4
Totaux	1103	100,0	126	100	1229	100

Silex Noir point blanc Loc1						
	Pdts Bruts		Outils		Ensemble	
	N	%	N	%	N	%
Phase Préparatoire	85	29,0	0	0,0	85	26,5
Eclats Totalement corticaux	0	0,0			0	0,0
Eclats partiellement corticaux	7	2,4			7	2,2
Eclats non corticaux	78	26,6			78	24,3
Phase de débitage	196	66,9	28	100,0	224	69,8
Pdts à crête(s)	6	2,0	0	0,0	6	1,9
Lames/Lamelles	182	62,1	28	100,0	210	65,4
Entretien P. de frappe	6	2,0	0	0,0	6	1,9
Entretien Table débitage	2	0,7	0	0,0	2	0,6
Nucléus	12	4,1			12	3,7
Totaux	293	100	28	100	321	100

Ensemble granitoïde Locus 1						
	Pdts Bruts		Outils		Ensemble	
	N	%	N	%	N	%
Phase Préparatoire	15				15	
Eclats Totalement corticaux						
Eclats partiellement corticaux						
Eclats non corticaux	15					
Phase de débitage	20				20	
Pdts à crête(s)	1				1	
Lames/Lamelles	18				18	
Entretien P. de frappe	0				0	
Entretien Table débitage	1				1	
Nucléus	0				0	
Totaux	35				35	

Silex Lacustre Locus 1						
	Pdts Bruts		Outils		Ensemble	
	N	%	N	%	N	%
Phase Préparatoire	11				11	
Eclats Totalement corticaux						
Eclats partiellement corticaux	2					
Eclats non corticaux	9					
Phase de débitage	17				17	
Pdts à crête(s)	0				0	
Lames/Lamelles	16				16	
Entretien P. de frappe	1				1	
Entretien Table débitage	0				0	
Nucléus	2				2	
Totaux	30		0	0	30	0

Ensemble silex Blond Locus 1						
	Pdts Bruts		Outils		Ensemble	
	N	%	N	%	N	%
Phase Préparatoire	110	44,5	3	2,6	113	31,0
Eclats Totalement corticaux	13	5,3	1	0,9	14	3,8
Eclats partiellement corticaux	30	12,1			30	8,2
Eclats non corticaux	67	27,1	2	1,7	69	19,0
Phase de débitage	130	52,6	114	97,4	244	67,0
Pdts à crête(s)	5	2,0	0	0,0	5	1,4
Lames/Lamelles	114	46,2	112	95,7	226	62,1
Entretien P. de frappe	10	4,0	0	0,0	10	2,7
Entretien Table débitage	1	0,4	2	1,7	3	0,8
Nucléus	7	2,8			7	1,9
Totaux	247	100	117	100	364	100

Ensemble des matériaux du Locus 1						
	Pdts Bruts		Outils		Ensemble	
	N	%	N	%	N	%
Phase Préparatoire	598	35	15	5,5	613	31
Eclats Totalement corticaux	27	1,6	4	1,5	31	1,6
Eclats partiellement corticaux	103	6	1	0,4	104	5,3
Eclats non corticaux	468	27,4	10	3,7	478	24,2
Phase de débitage	1059	62	256	94,5	1315	66,4
Pdts à crête(s)	22	1,3	0	0	22	1,1
Lames/Lamelles	968	56,7	252	93	1220	61,6
Entretien P. de frappe	48	2,8	0	0	48	2,4
Entretien Table débitage	21	1,2	4	1,5	25	1,3
Nucléus	51	3			51	2,6
Totaux	1708	100	271	100	1979	100

Ensemble Bédoulien Locus 2						
	Pdts Bruts		Outils		Ensemble	
	N	%	N	%	N	%
Phase Préparatoire	1713	34,7	37	5,0	1750	30,9
Eclats Totalement corticaux	22	0,4	2	0,3	24	0,4
Eclats partiellement corticaux	181	3,7	7	1,0	188	3,3
Eclats non corticaux	1510	30,6	28	3,8	1538	27,1
Phase de débitage	3061	62,1	698	95,0	3759	66,4
Pdts à crête(s)	37	0,8	1	0,1	38	0,7
Lames/Lamelles	2882	58,5	680	92,5	3562	62,9
Entretien P. de frappe	76	1,5	6	0,8	82	1,4
Entretien Table débitage	66	1,3	11	1,5	77	1,4
Nucléus	156	3,2			156	2,8
Totaux	4930	100	735	100	5665	100

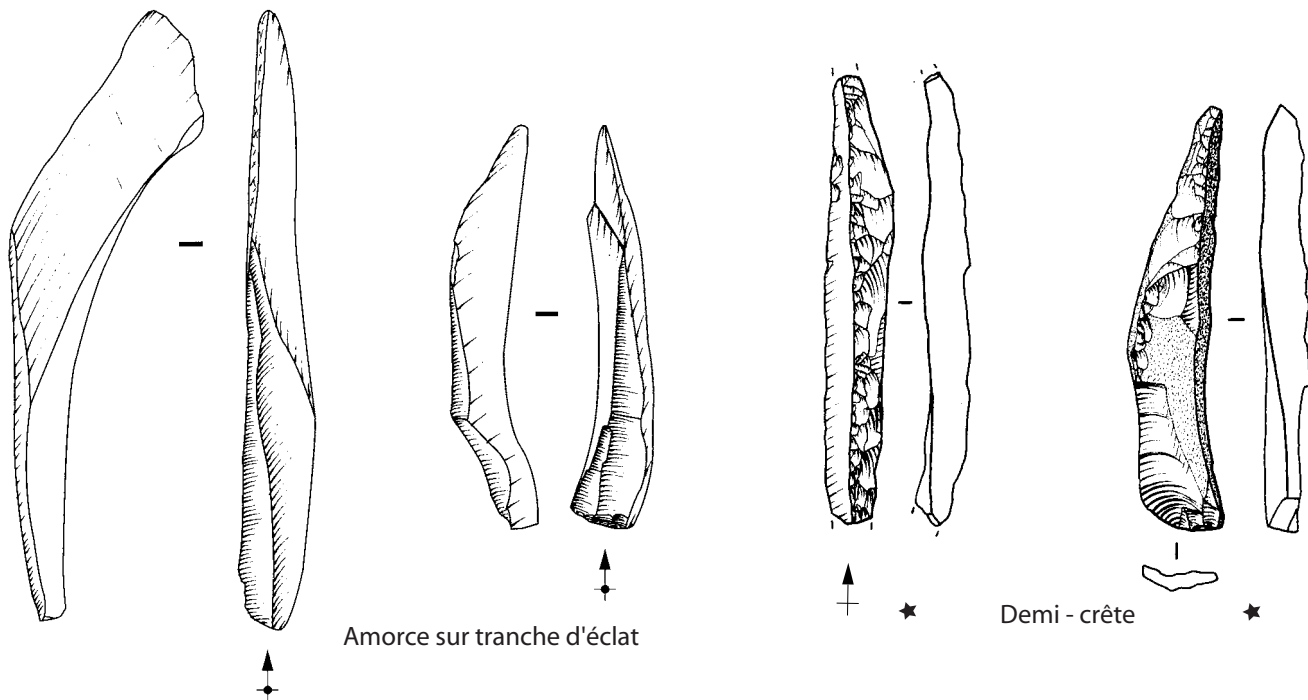
Silex Noir point blanc L2						
	Pdts Bruts		Outils		Ensemble	
	N	%	N	%	N	%
Phase Préparatoire	120	41,0	1	1,9	121	35,0
Eclats Totalement corticaux	1	0,3			1	0,3
Eclats partiellement corticaux	10	3,4			10	2,9
Eclats non corticaux	109	37,2	1	1,9	110	31,8
Phase de débitage	164	56,0	52	98,1	216	62,4
Pdts à crête(s)	1	0,3	0	0,0	1	0,3
Lames/Lamelles	158	53,9	52	98,1	210	60,7
Entretien P. de frappe	5	1,7	0	0,0	5	1,4
Entretien Table débitage	0	0,0	0	0,0	0	0,0
Nucléus	9	3,1			9	2,6
Totaux	293	100	53	100	346	100

Ensemble granitoïde Locus 2						
	Pdts Bruts		Outils		Ensemble	
	N	%	N	%	N	%
Phase Préparatoire	27	46,2	1	0,9	28	20,9
Eclats Totalement corticaux						
Eclats partiellement corticaux						
Eclats non corticaux	27	46,2	1	0,9	43	20,9
Phase de débitage	27	51,6	114	99,1	141	78,2
Pdts à crête(s)	0	1,1	0	0,0	0	0,5
Lames/Lamelles	23	45,1	112	97,4	135	74,3
Entretien P. de frappe	4	4,4	0	0,0	4	1,9
Entretien Table débitage	0	1,1	2	1,7	2	1,5
Nucléus	2	2,2			2	1,0
Totaux	56	100	115	100	171	100

Silex Lacustre Locus 2							
	Pdts Bruts		Outils		Ensemble		
	N	%	N	%	N	%	
Phase Préparatoire	200	41,1	3	11,5	203	39,6	
Eclats Totalement corticaux	4	0,8		0,0	4	0,8	
Eclats partiellement corticaux	18	3,7	1	3,8	21	4,1	
Eclats non corticaux	178	36,6	2	7,7	189	36,8	
Phase de débitage	278	57,1	23	88,5	301	58,7	
Pdts à crête(s)	1	0,2	0	0,0	1	0,2	
Lames/Lamelles	261	53,6	20	76,9	281	54,8	
Entretien P. de frappe	5	1,0	0	0,0	5	1,0	
Entretien Table débitage	11	2,3	3	11,5	14	2,7	
Nucléus	9	1,8			9	1,8	
Totaux	487	100	26	100	513	100	

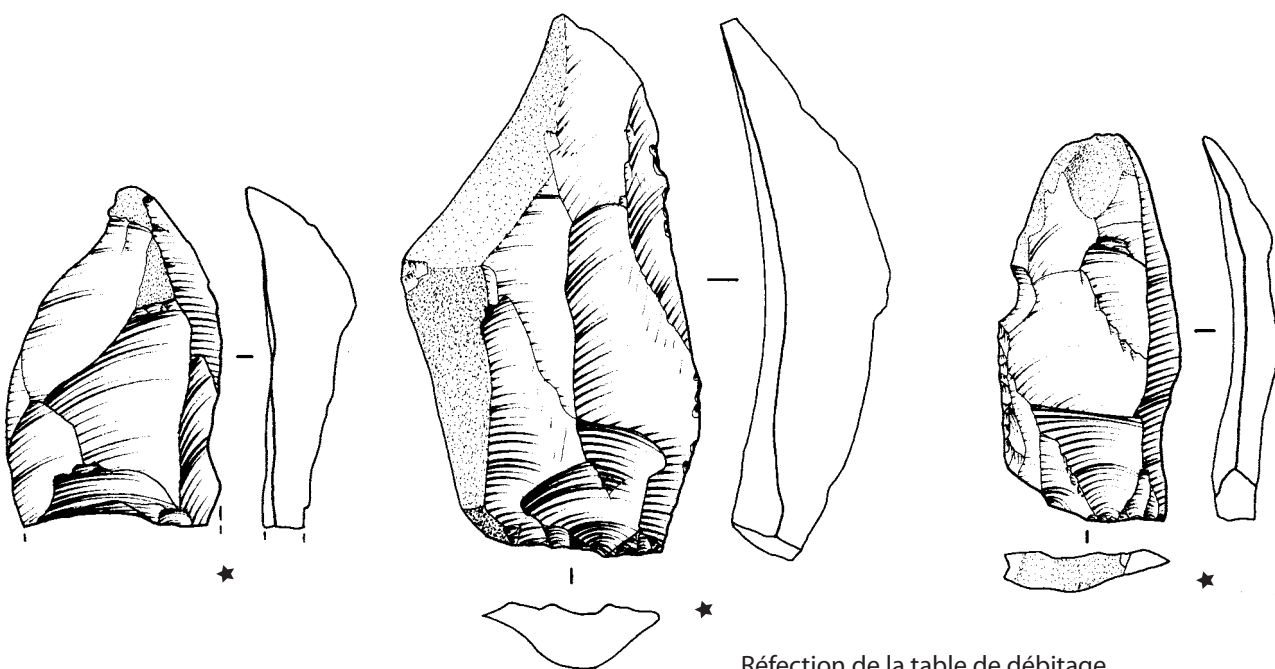
Ensemble silex Blond Locus 2							
	Pdts Bruts		Outils		Ensemble		
	N	%	N	%	N	%	
Phase Préparatoire	485	39,8	20	4,1	505	29,6	
Eclats Totalement corticaux	15	1,2	3	0,6	18	1,1	
Eclats partiellement corticaux	47	3,9	4	0,8	51	3,0	
Eclats non corticaux	423	34,7	13	2,7	436	25,6	
Phase de débitage	695	57	466	95,9	1161	68,1	
Pdts à crête(s)	14	1,1	4	0,8	18	1,1	
Lames/Lamelles	637	52,3	450	92,6	1087	63,8	
Entretien P. de frappe	33	2,7	2	0,4	35	2,1	
Entretien Table débitage	11	0,9	10	2,1	21	1,2	
Nucléus	39	3,2			39	2,3	
Totaux	1219	100	486	100	1705	100	

Ensemble silex Locus 2							
	Pdts Bruts		Outils		Ensemble		
	N	%	N	%	N	%	
Phase Préparatoire	2545	36	62	4,4	2607	31	
Eclats Totalement corticaux	42	0,6	5	0,4	47	0,6	
Eclats partiellement corticaux	256	3,7	12	0,8	268	3,2	
Eclats non corticaux	2247	32,2	45	3,2	2292	27,3	
Phase de débitage	4225	60	1353	95,6	5578	66,4	
Pdts à crête(s)	53	0,8	5	0,4	58	0,7	
Lames/Lamelles	3961	56,7	1314	92,9	5275	62,8	
Entretien P. de frappe	123	1,8	8	0,6	131	1,6	
Entretien Table débitage	88	1,3	26	1,8	114	1,4	
Nucléus	215	3			215	2,6	
Totaux	6985	100	1415	100	8400	100	

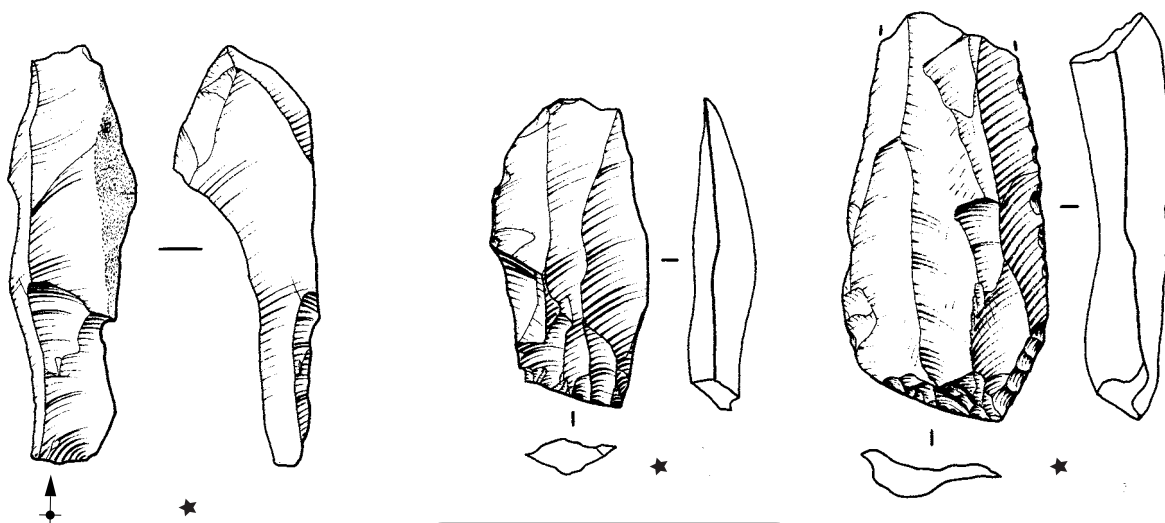


Amorce sur tranche d'éclat

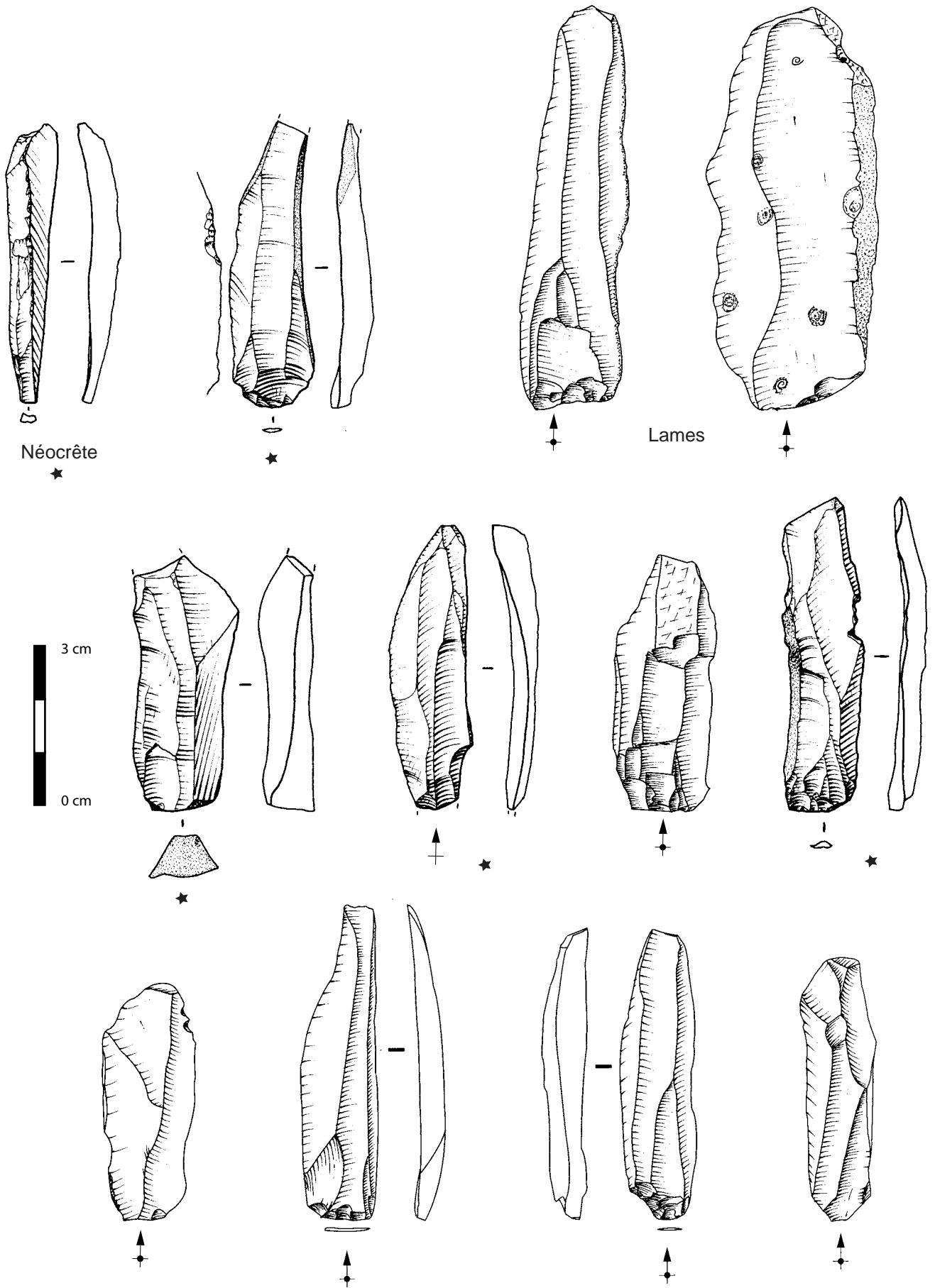
Demi - crête



Réfection de la table de débitage



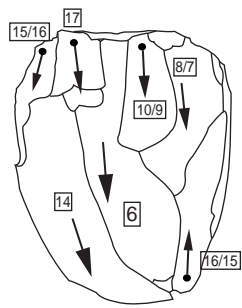
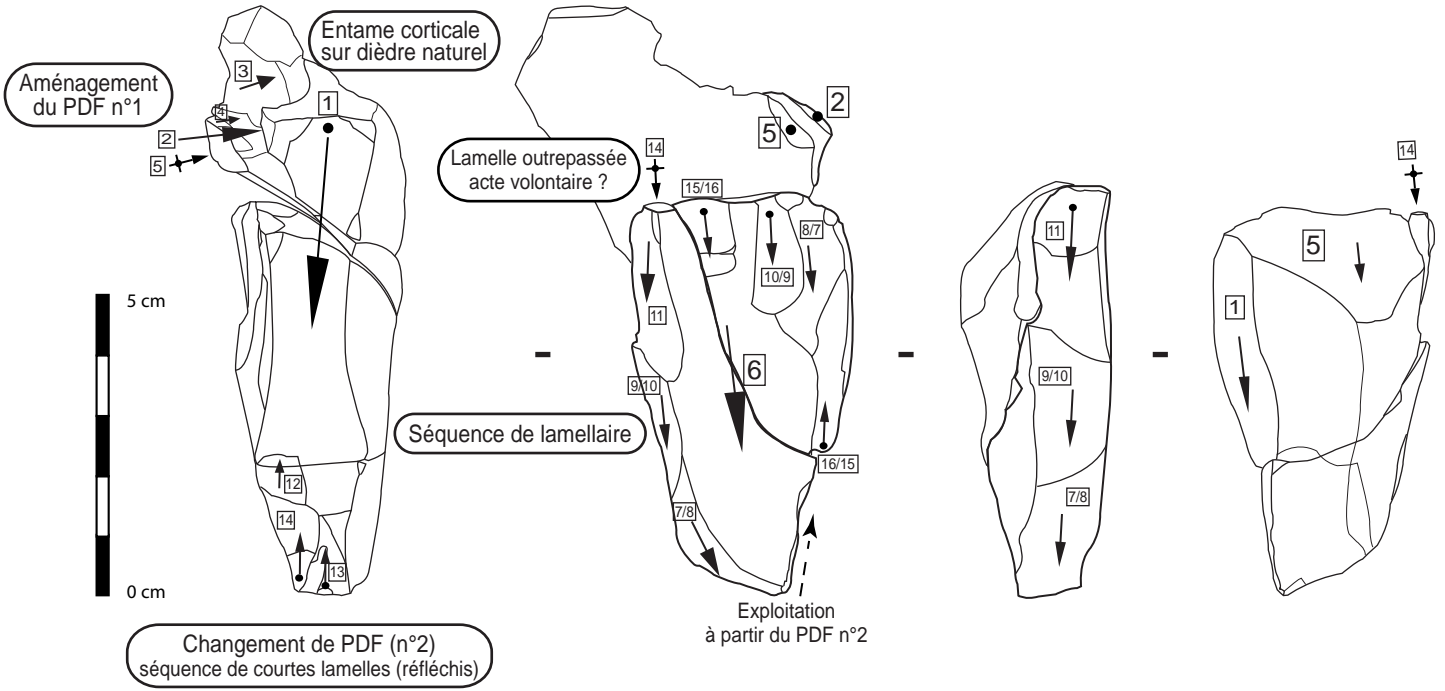
Annexe n°37 - S.A.V. - Locus 2
 Produits d'entame du débitage
 Entretien de la table



Néocrête

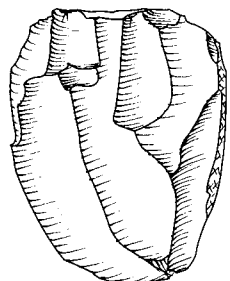
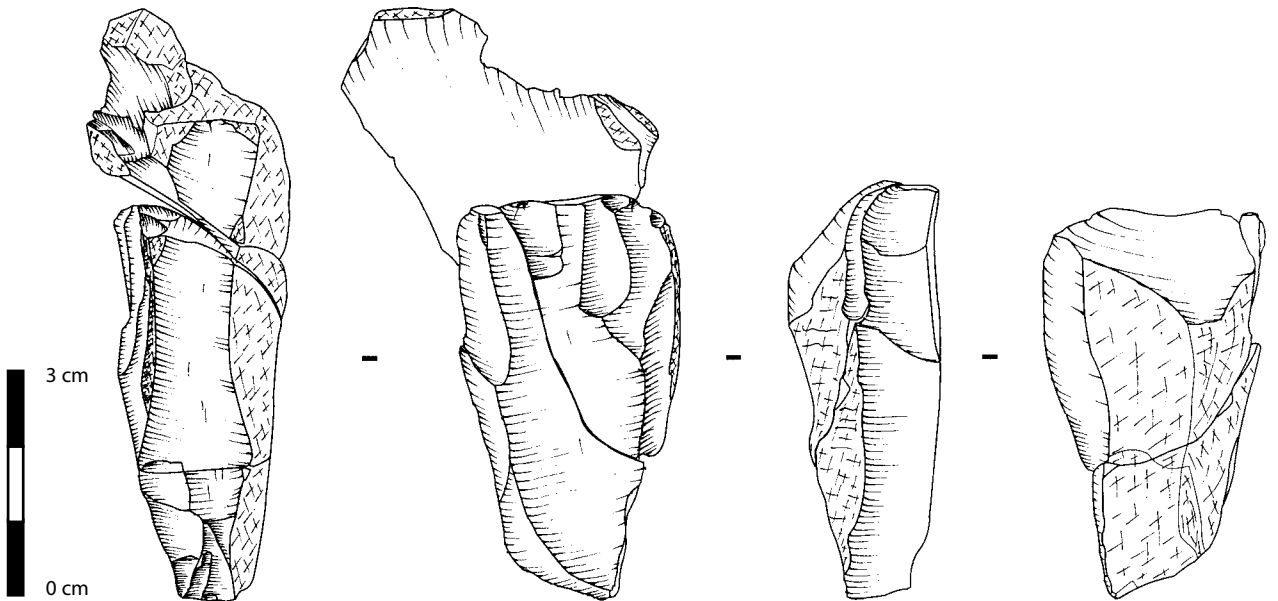
Lames

3 cm
0 cm

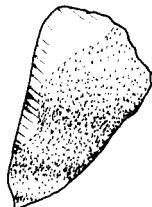
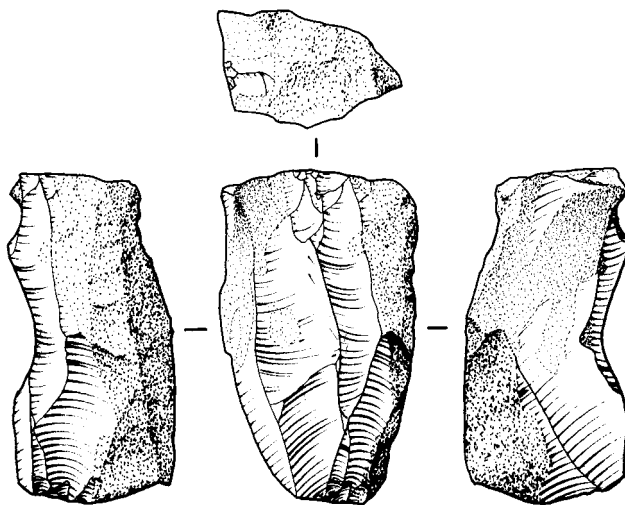
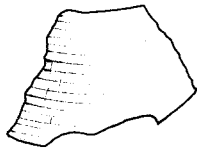
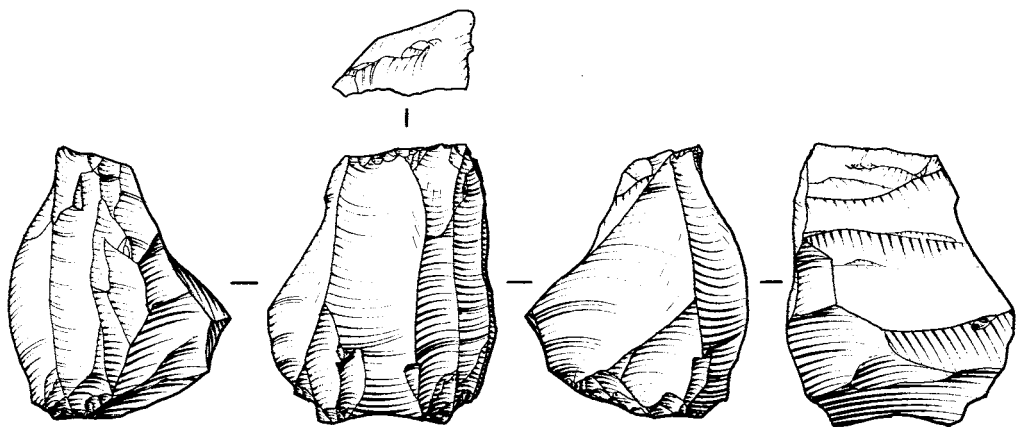
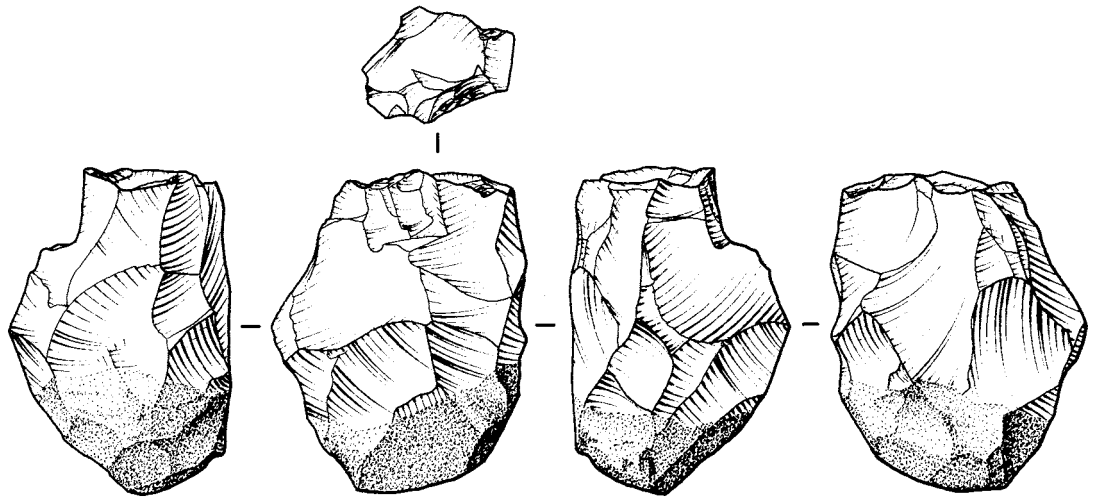


De n°15 à 17
Chutes de soin ?

L2 O23 b17 (nucléus)
L2 M19 a10 (lamelle outrepassée)
L2 O22 d19 & L2 O24 c13 (éclats de mise en forme)



Annexe n°39- S.A.V. Locus 2
Schéma diacritique - Remontage

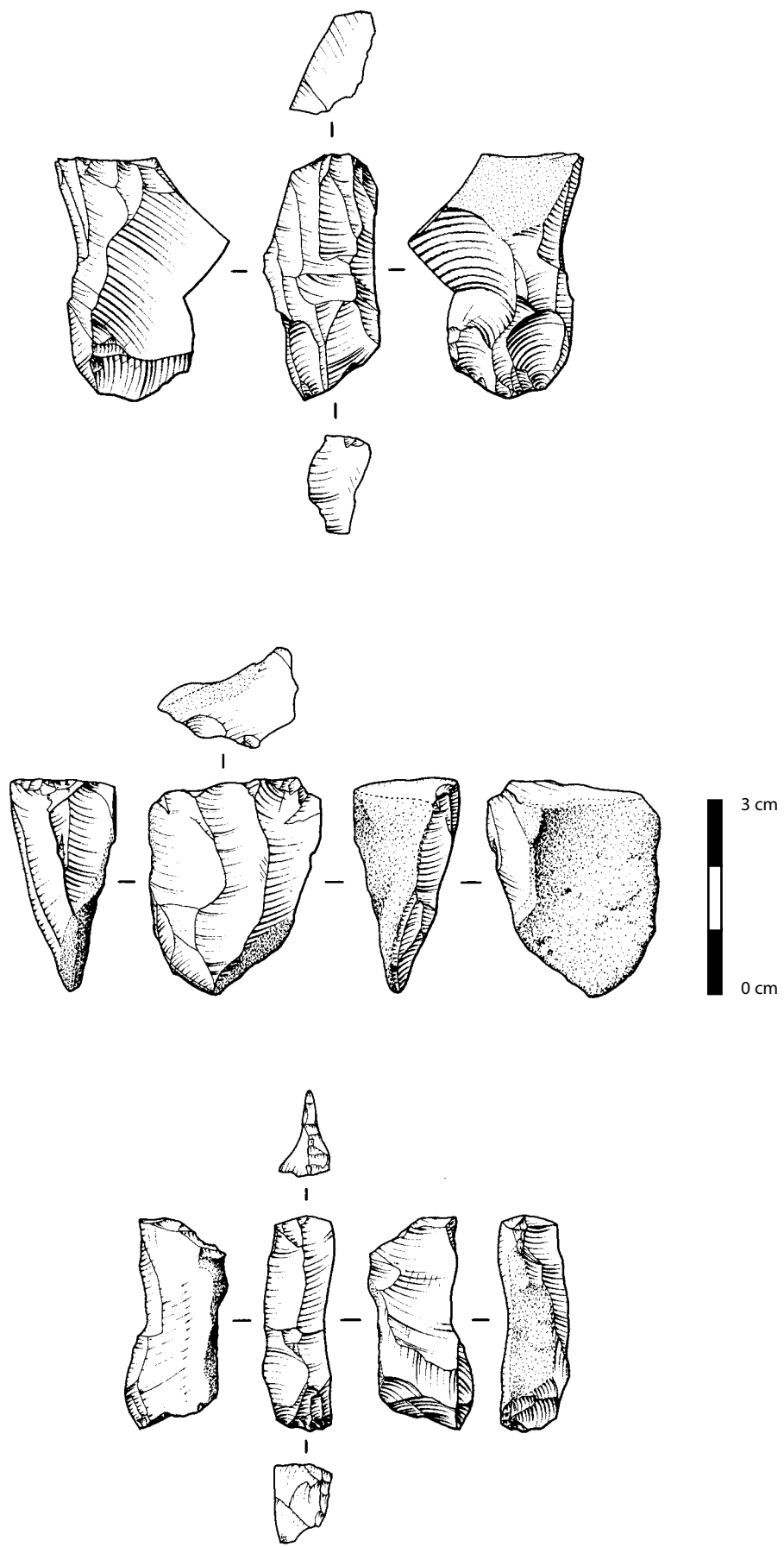


Dessins S. Lancelot

Annexe n°40 - S.A.V Locus 2 - Nucléus lamellaires

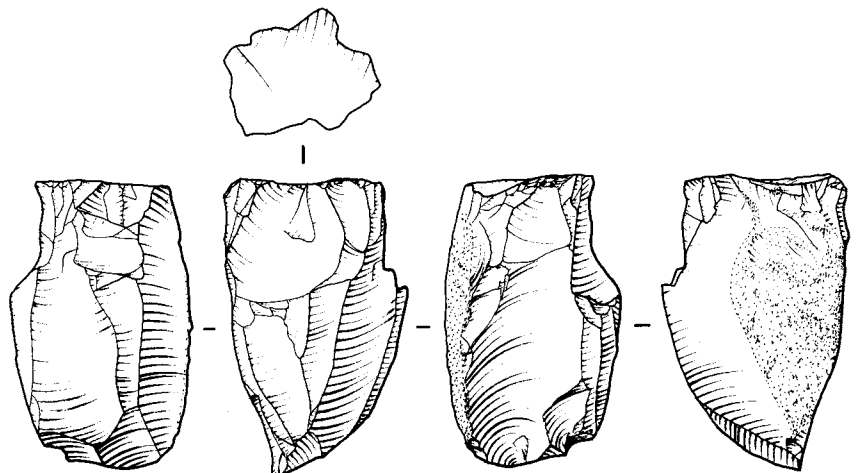
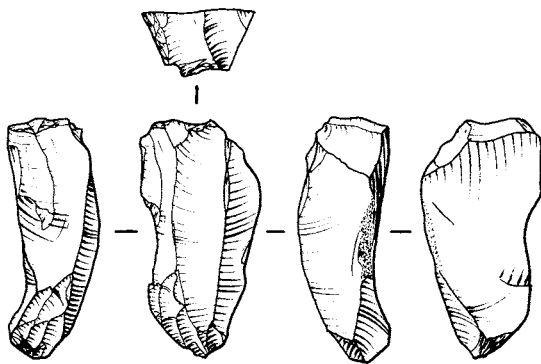
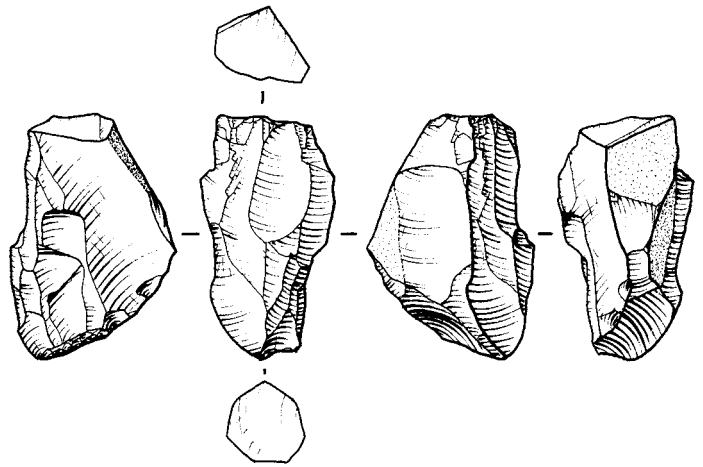
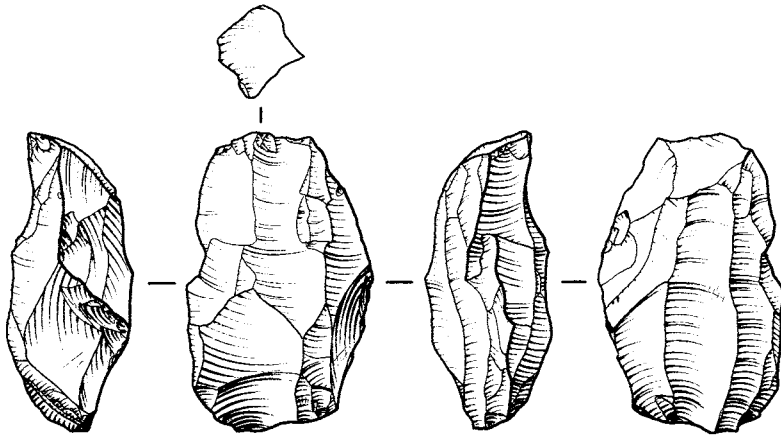


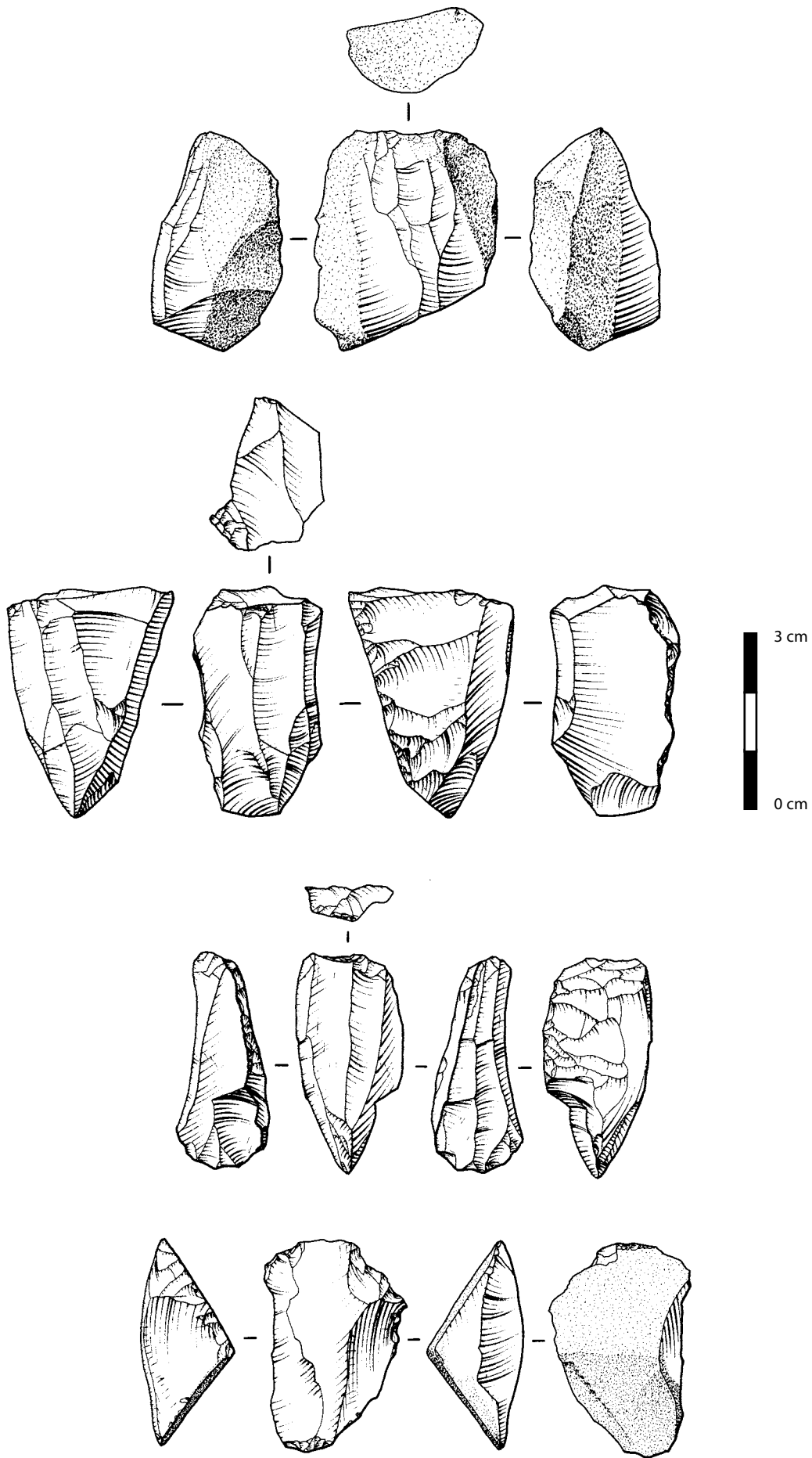
Dessins S. Lancelot



Annexe n°42 - S.A.V Locus 2 - Nucléus lamellaires

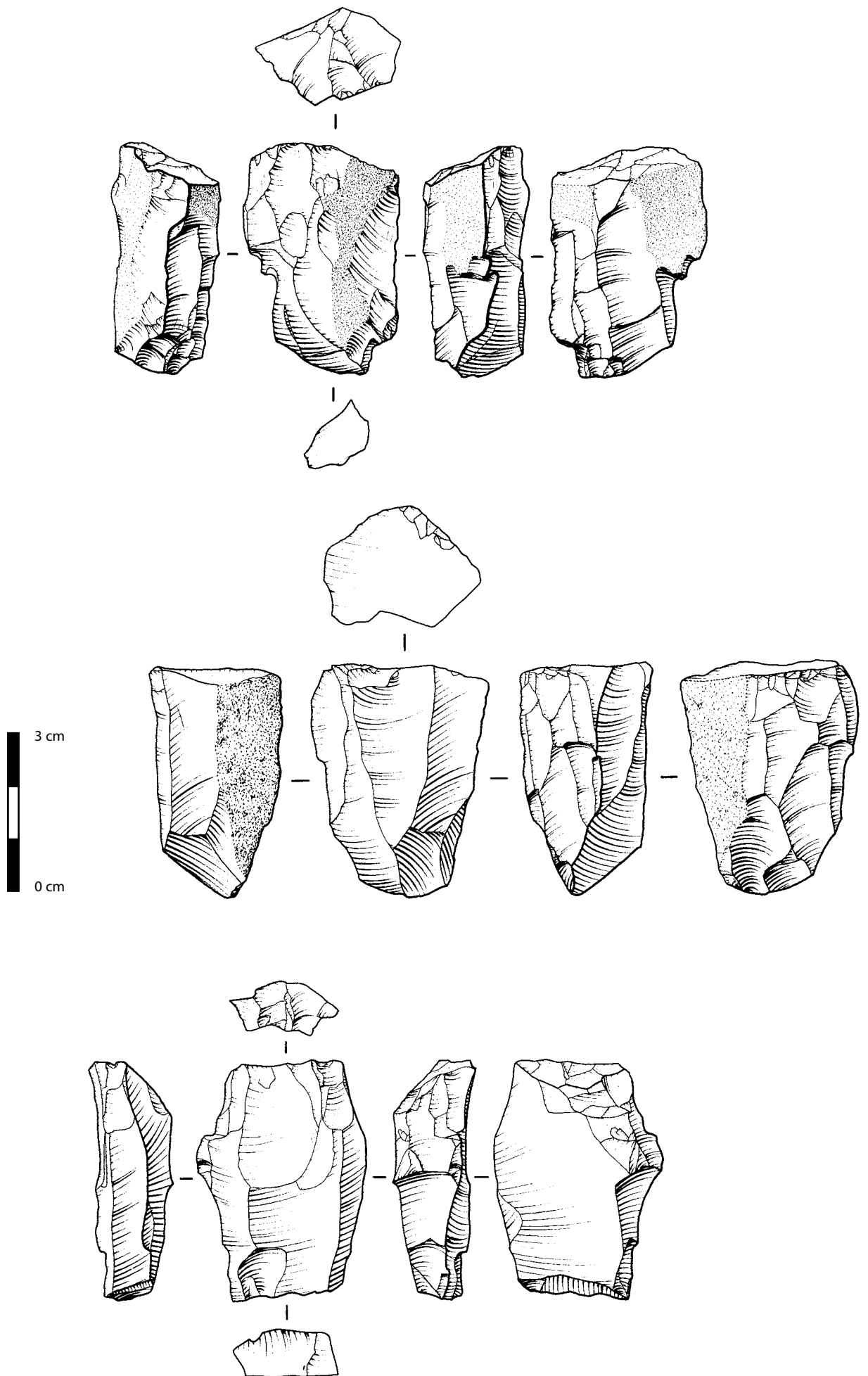
Dessins S. Lancelot





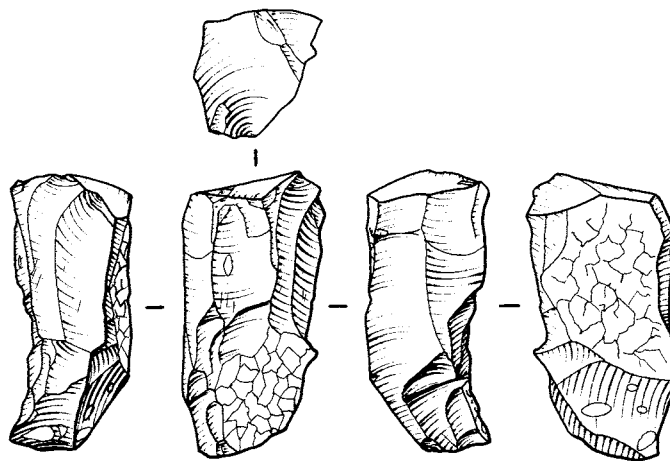
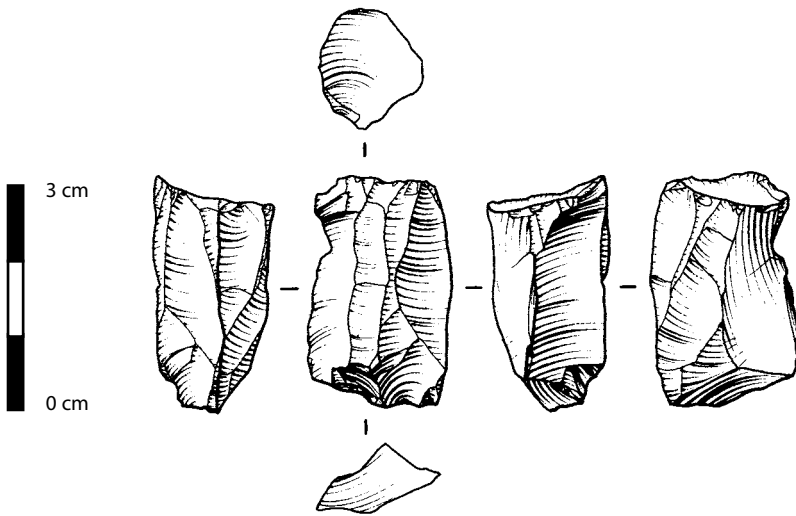
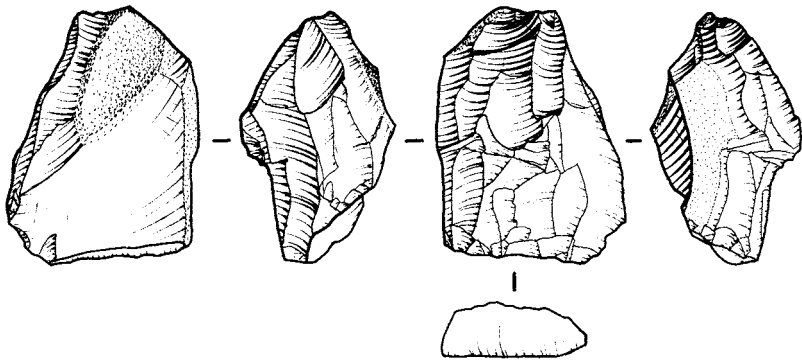
Annexe n°44 - S.A.V Locus 2 - Nucléus lamellaires

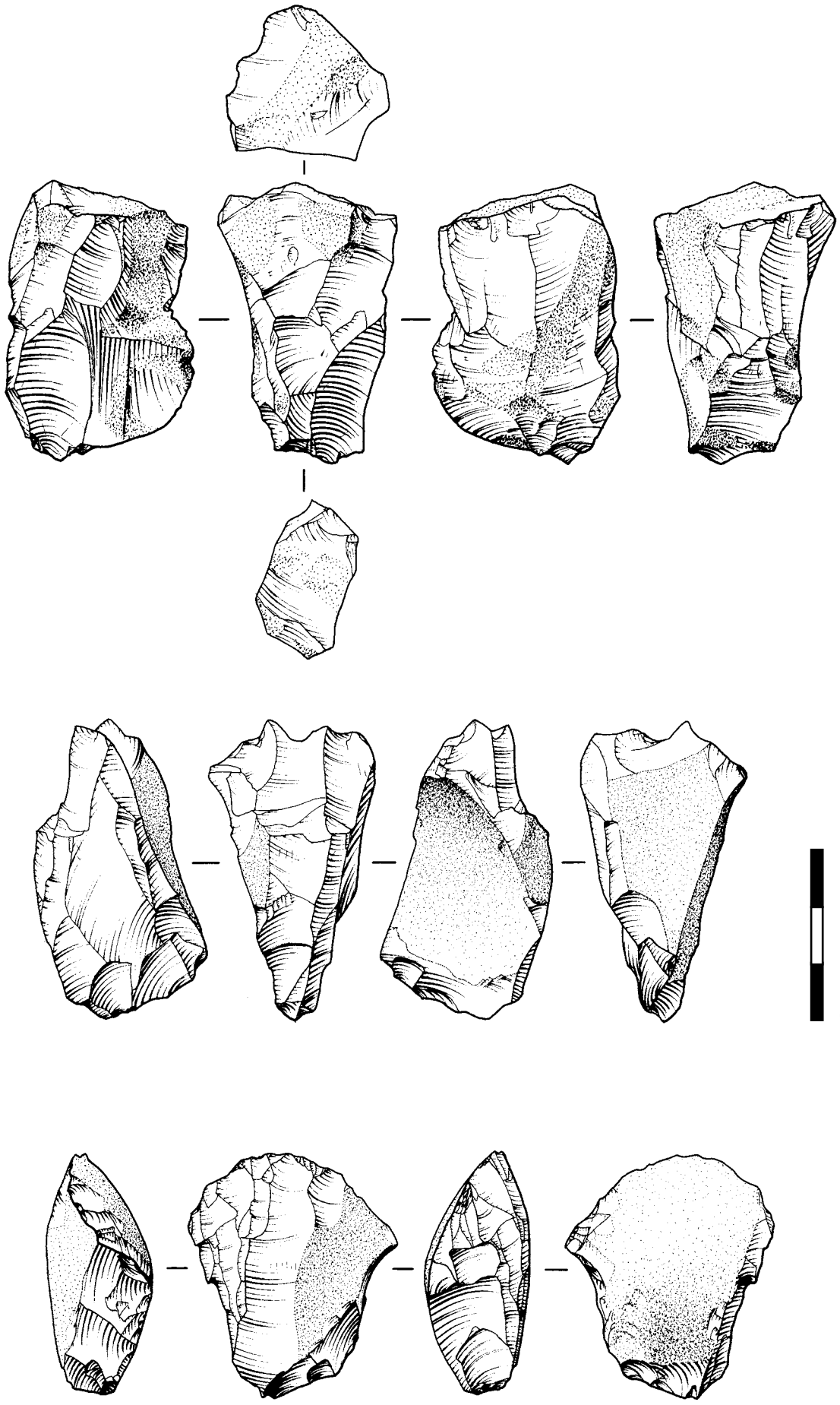
Dessins de S. Lancelot



Dessins S. Lancelot

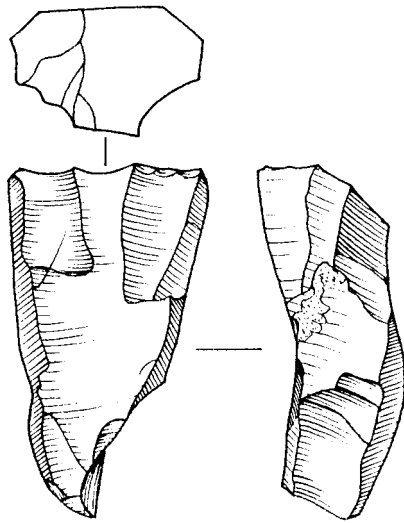
Annexe n°45 - S.A.V Locus 2 - Nucléus lamellaires



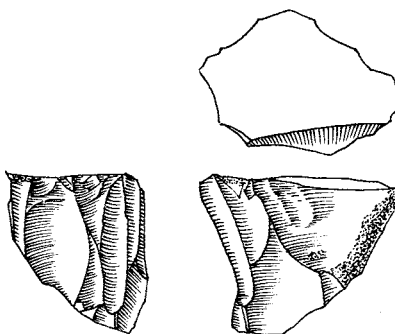
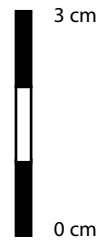
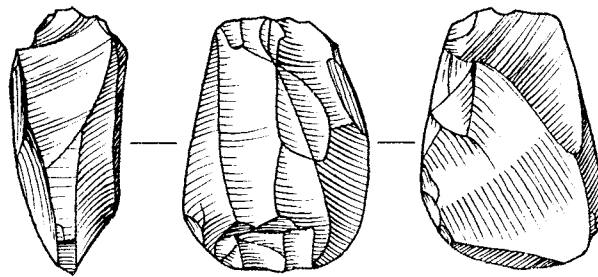


Dessins S. Lancelot

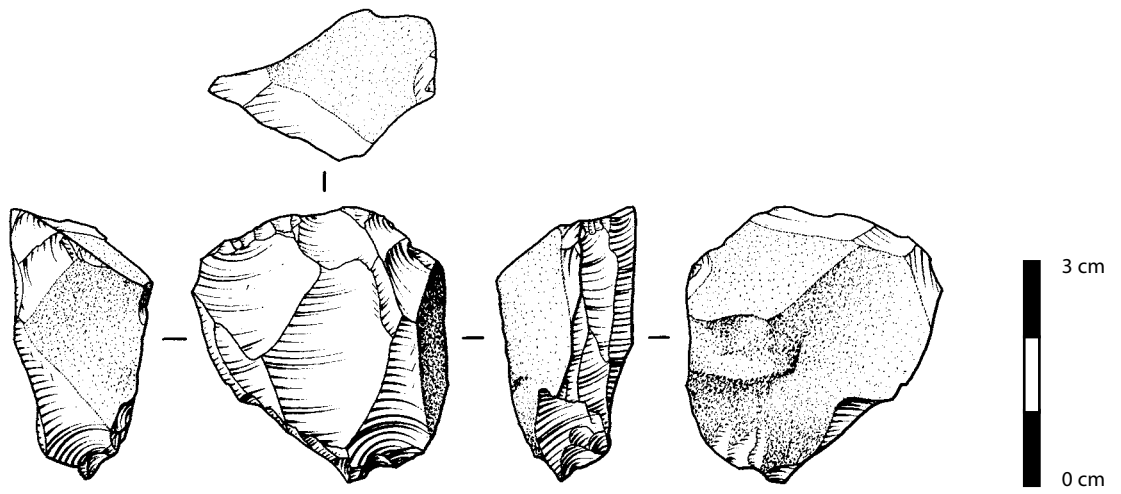
Annexe n°47 - S.A.V Locus 2 - Nucléus lamellaires



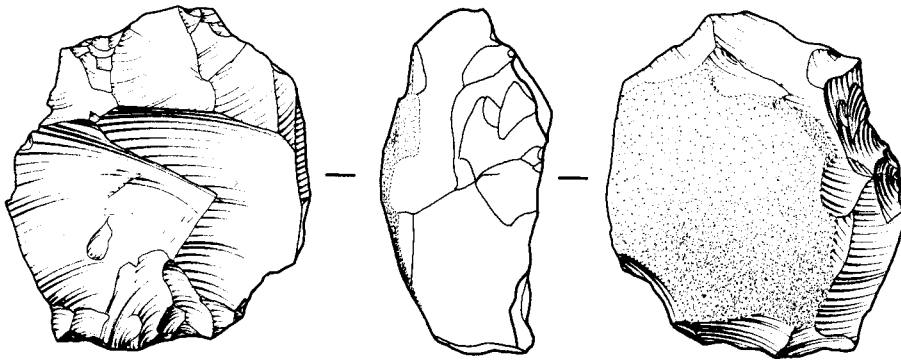
Dessins S. Lancelot



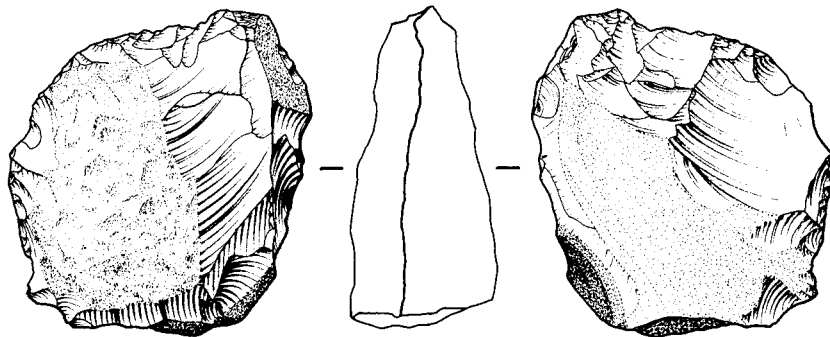
Dessins J. Jaubert



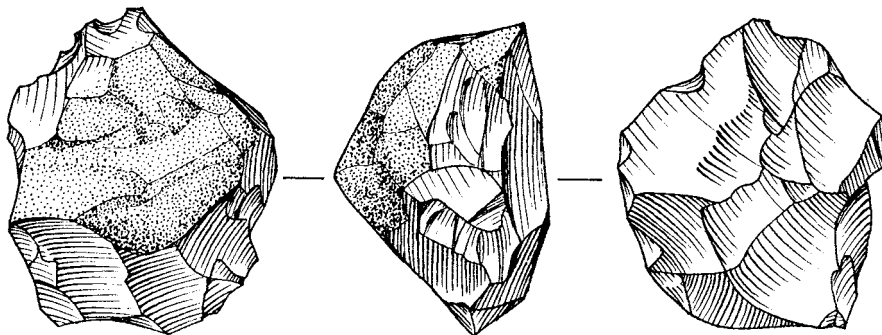
L2 - Nucléus lamellaire et éclats



L2- Nucléus lamellaire et éclats



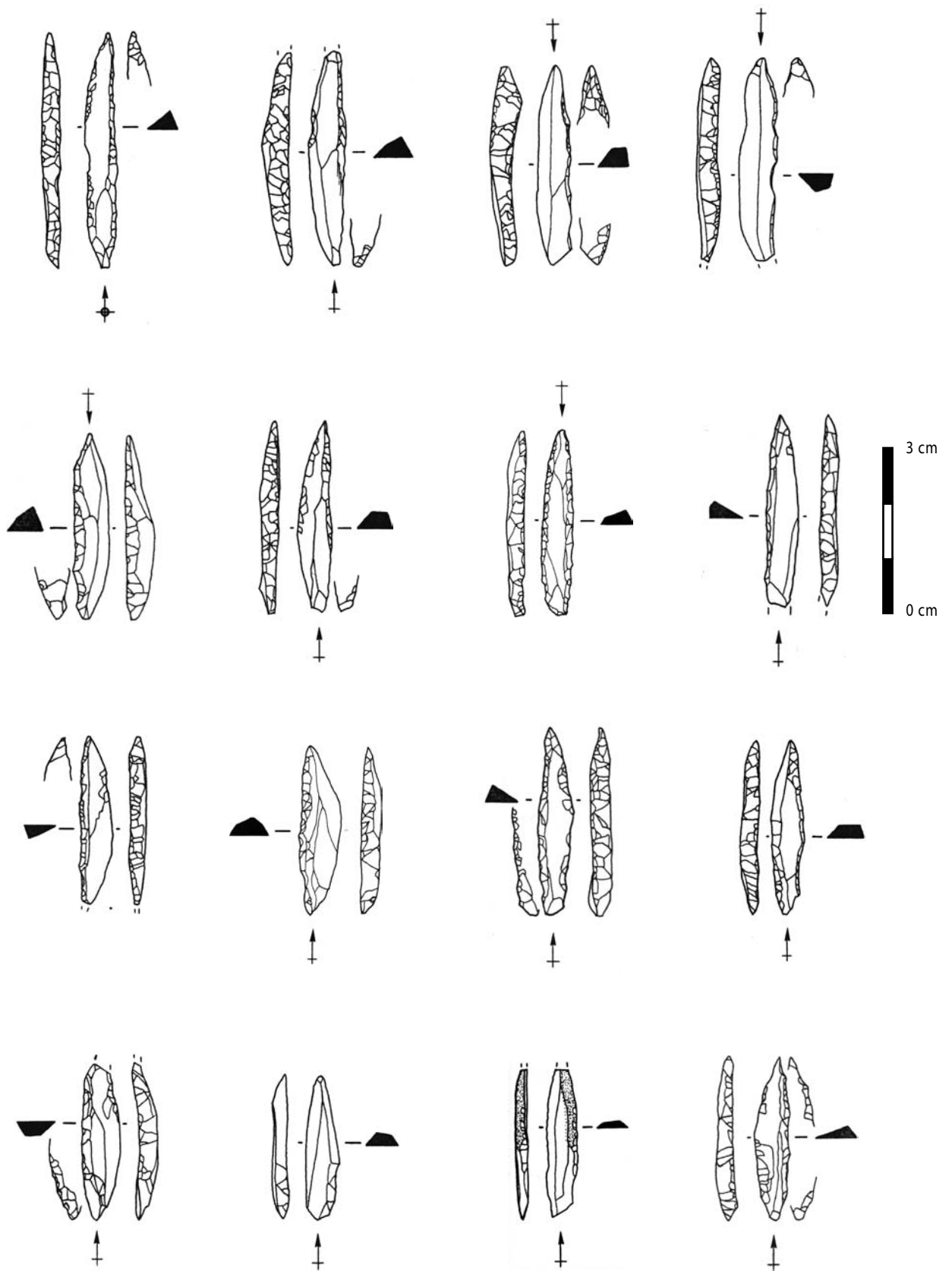
L2- Nucléus à éclats



L1 - Nucléus centripète à éclats

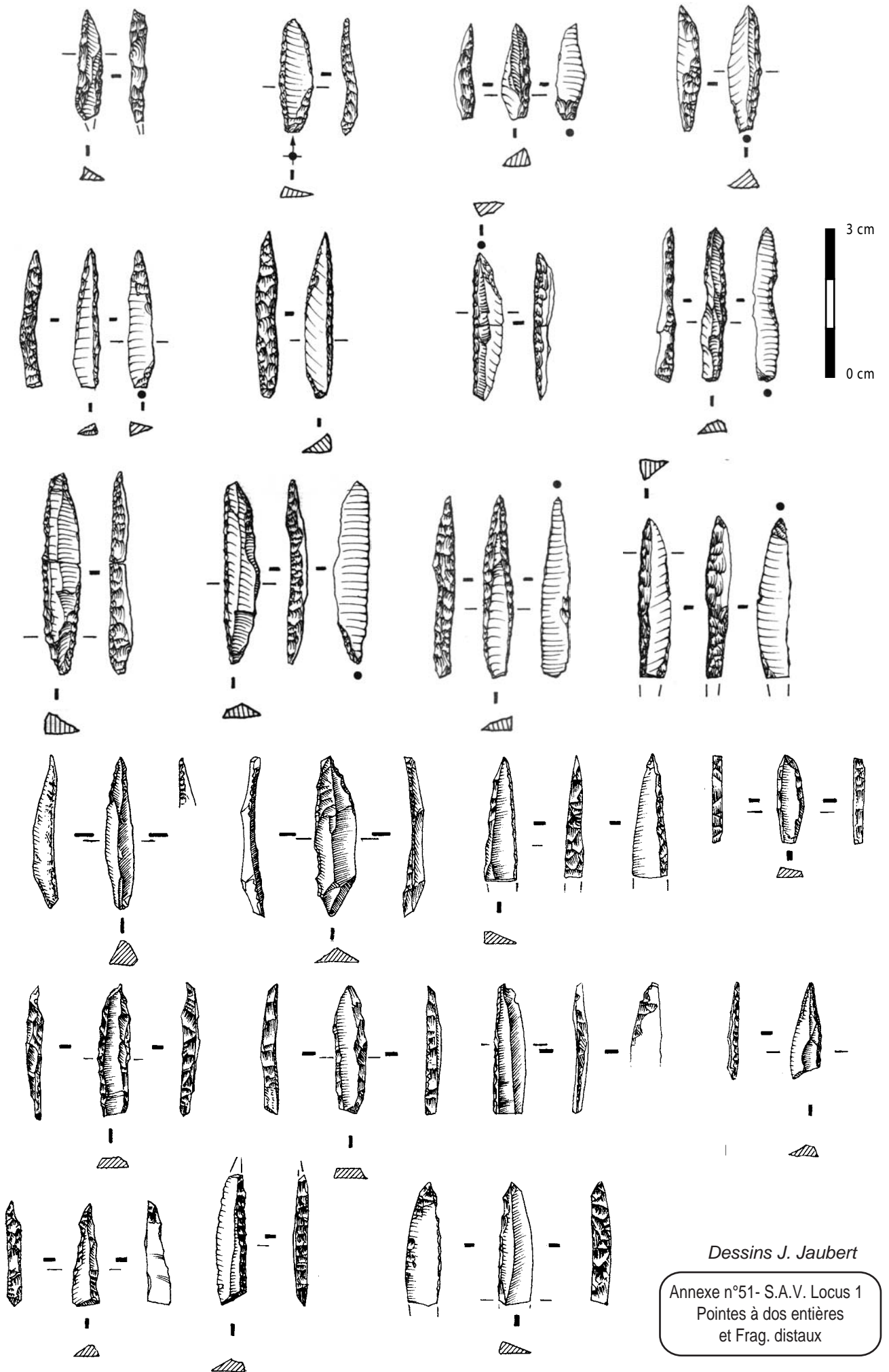
Dessins S. Lancelot

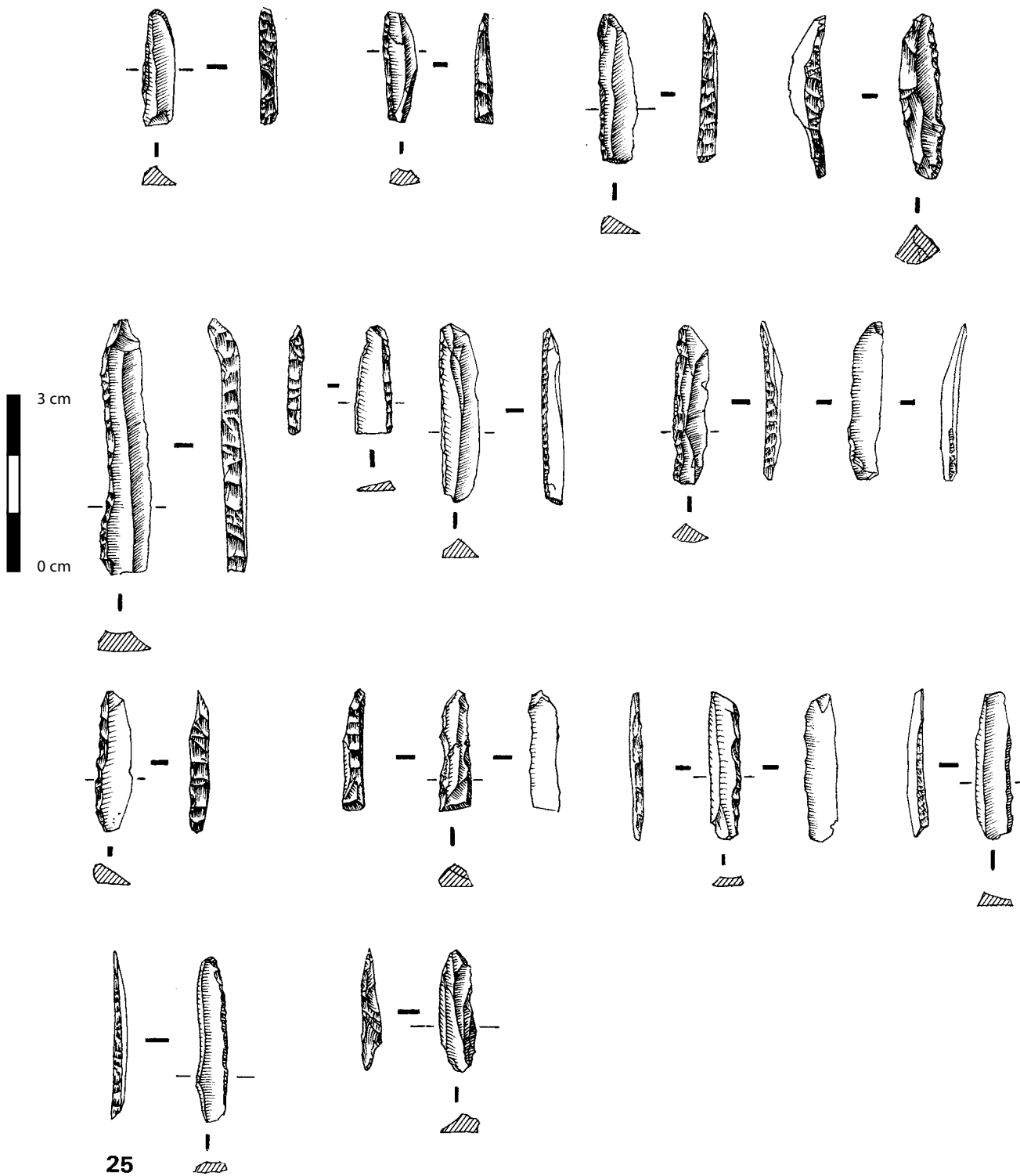
Annexe n°49 - S.A.V Locus 1 et 2
 Nucléus lamellaires et à éclats en fin de production
 Nucléus à éclats



Annexe n°50 - S.A.V. Locus 2 - Pointes à dos

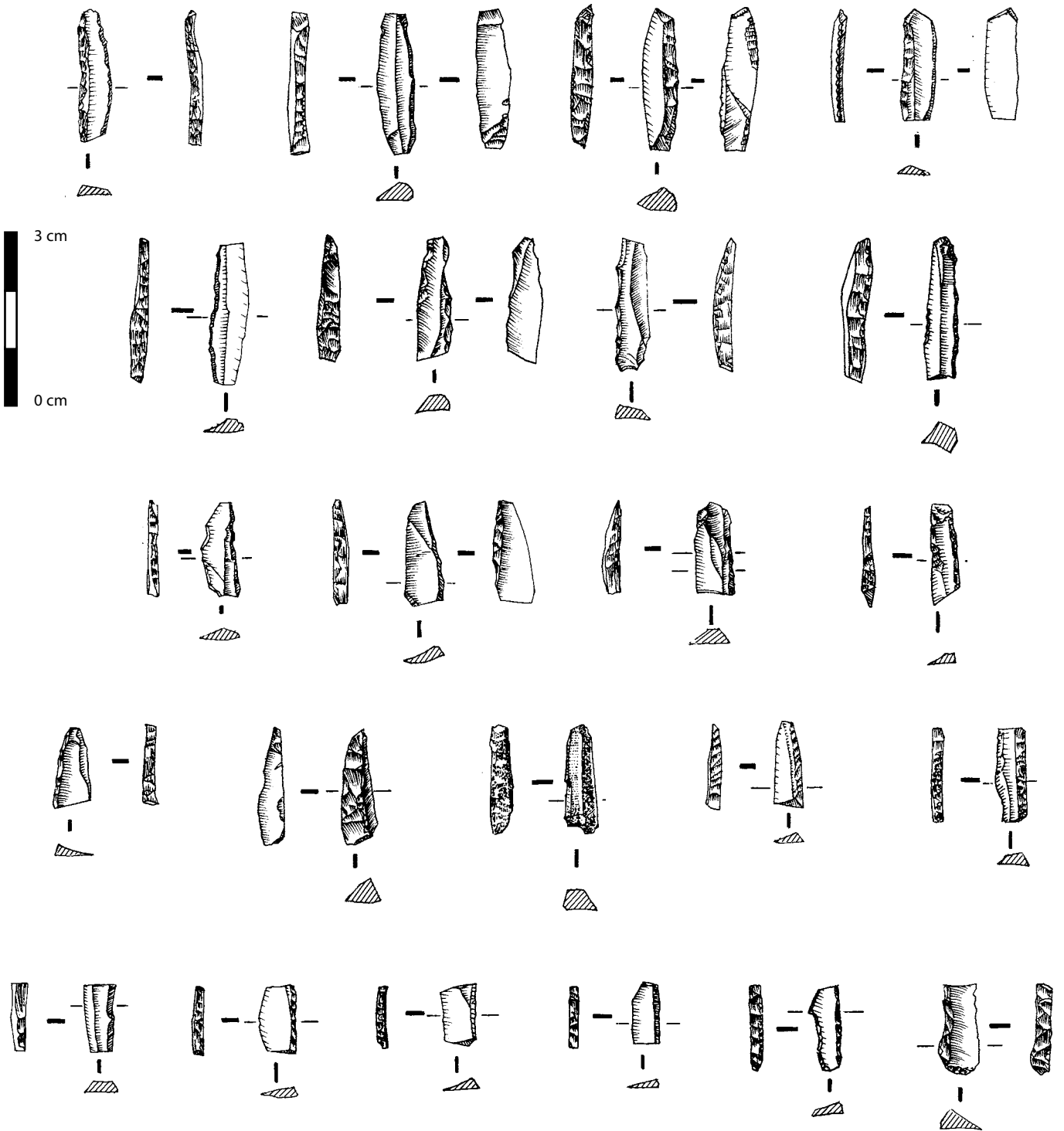
Dessins S. Lancelot





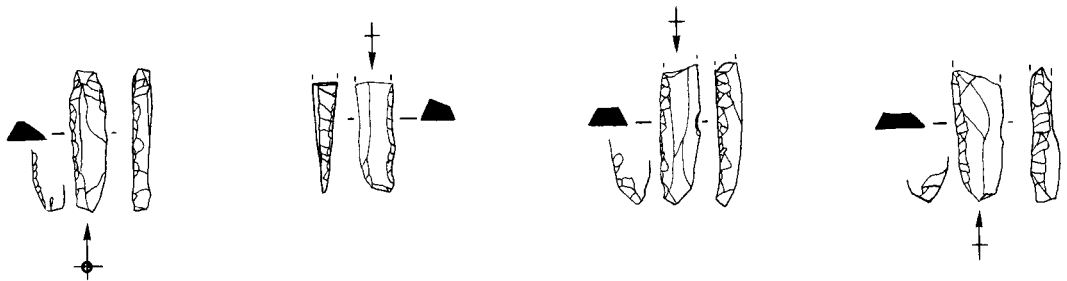
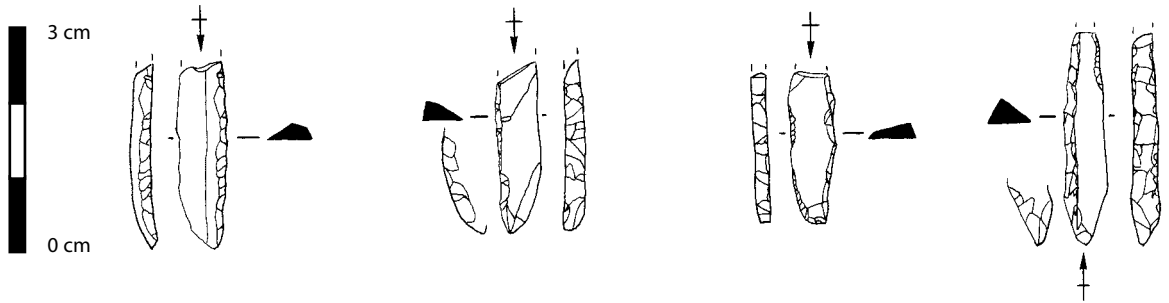
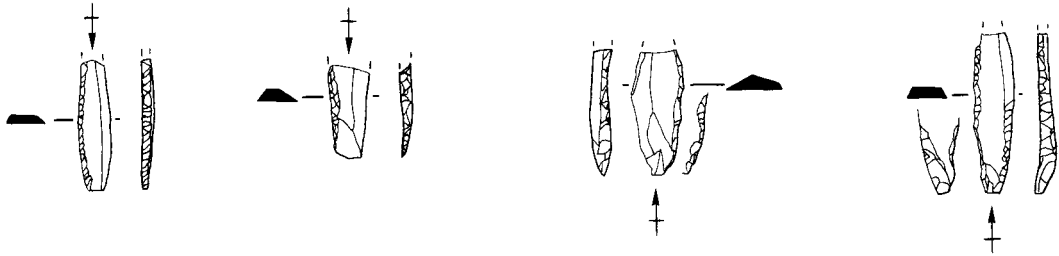
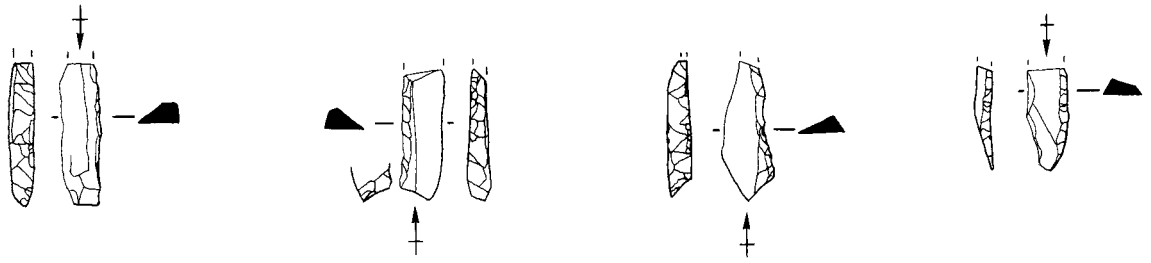
Annexe n°52 - S.A.V. - Locus 1 - Lamelles à dos

Dessins J. Jaubert



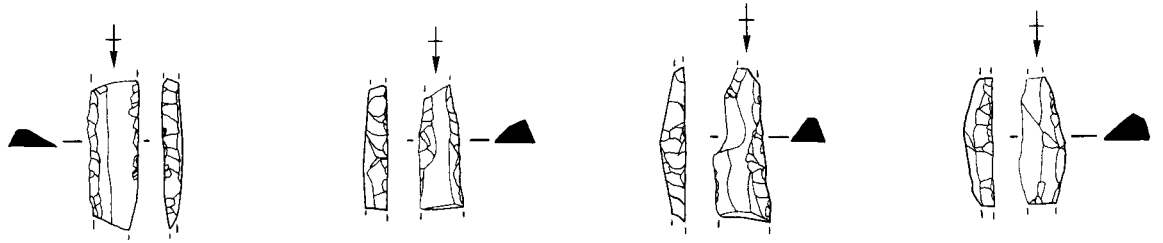
Annexe n°53 - S.A.V. - Locus 1- Fragments d'armatures à dos

Dessins J. Jaubert

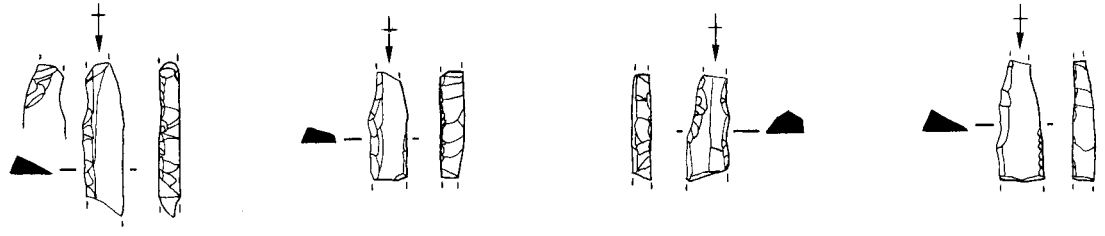
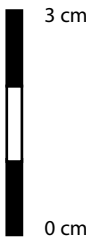
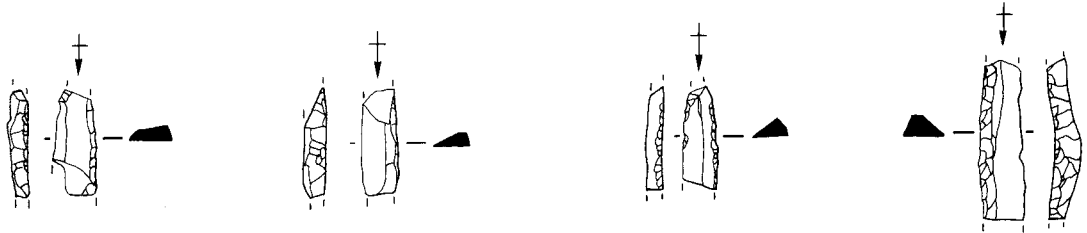


Annexe n°54 - S.A.V. - Locus 2 - Fragments d'armatures à dos

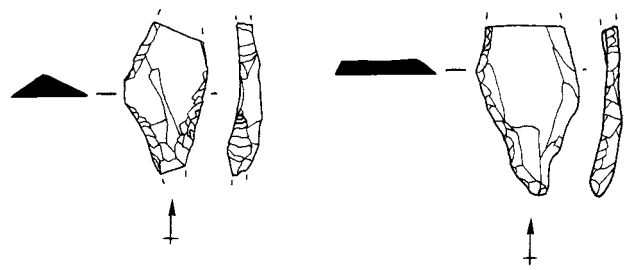
Dessins S. Lancelot



Frag. distal
retouché après fracture



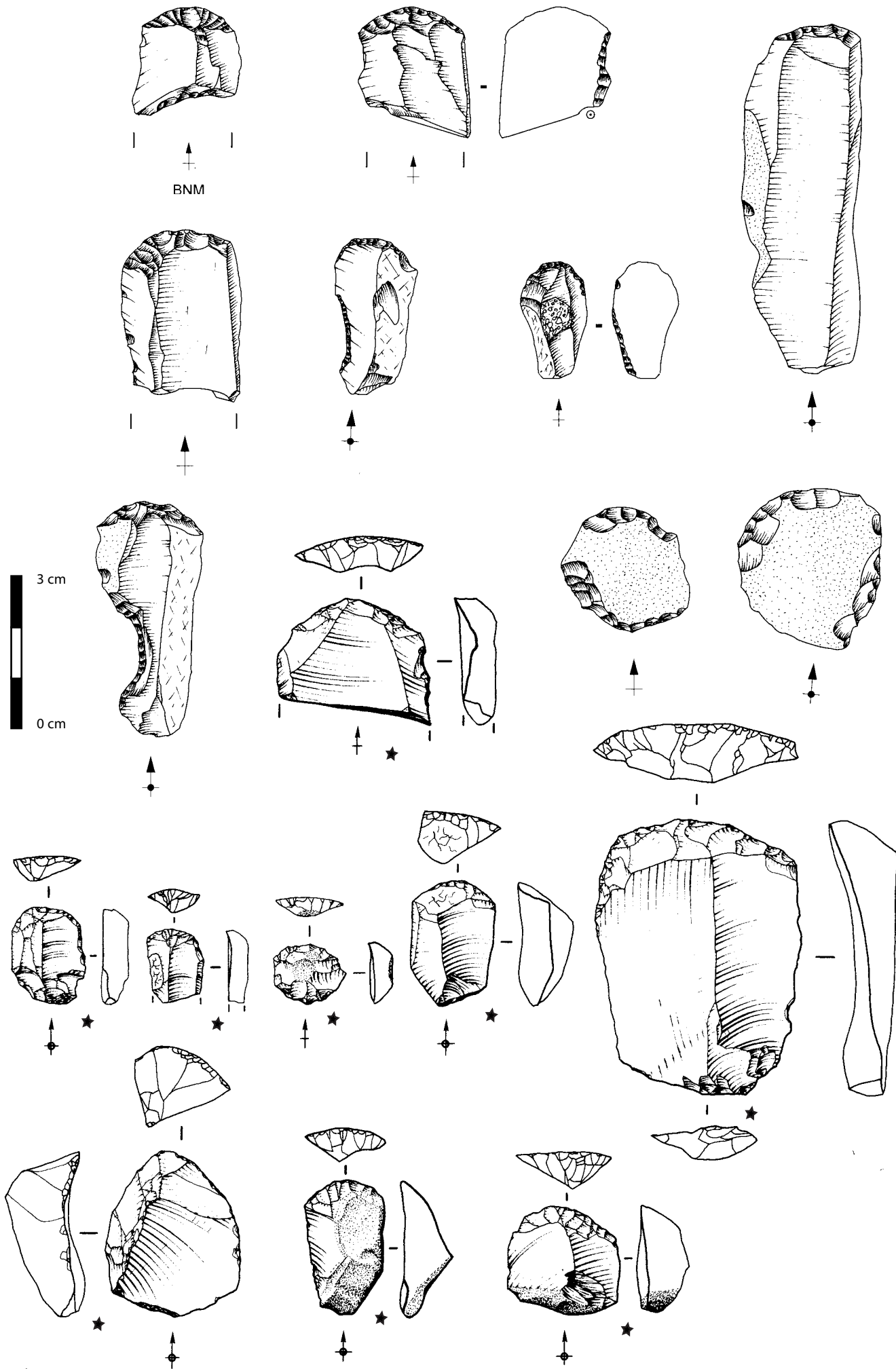
Frag. distal
retouché après fracture

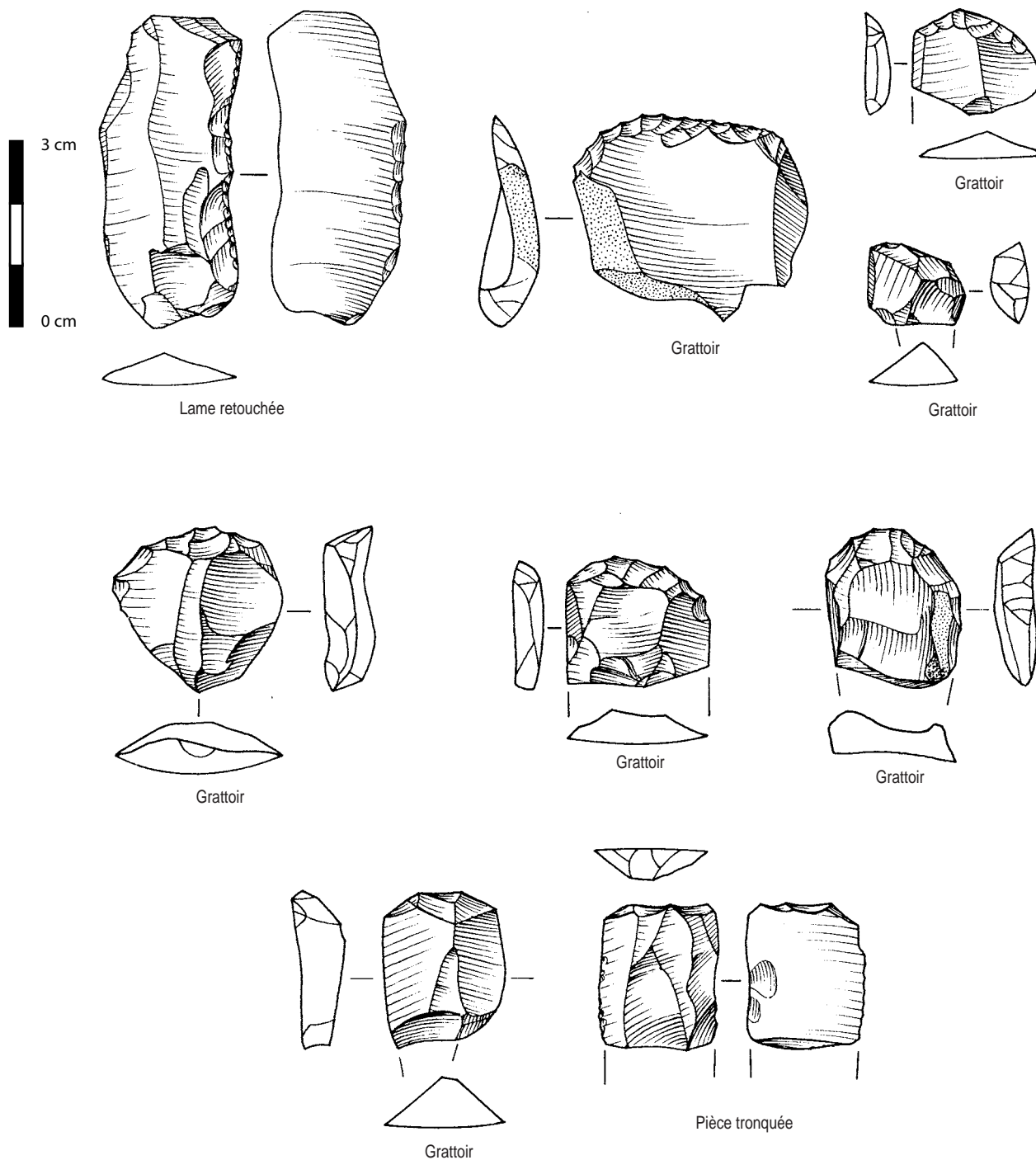


accident de Façonnage

Annexe n°55 - S.A.V. - Locus 2 - Fragments d'armatures à dos

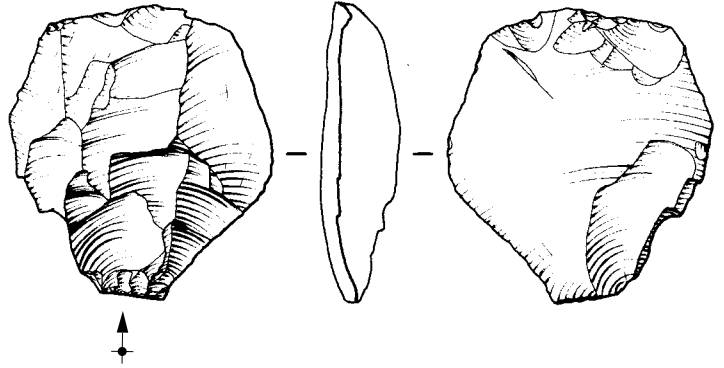
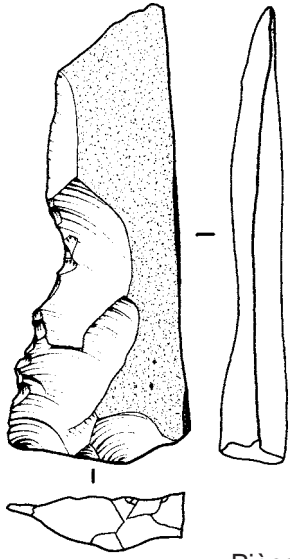
Dessins S. Lancelot





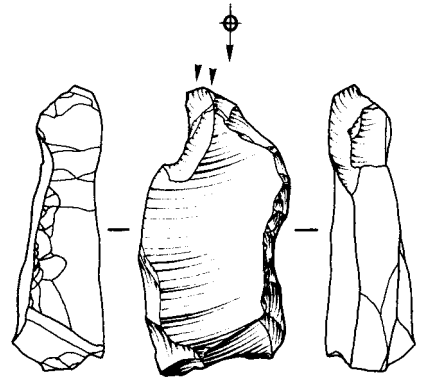
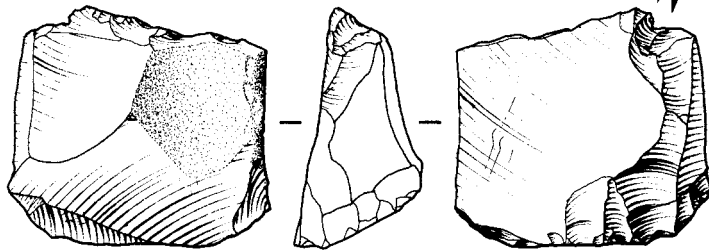
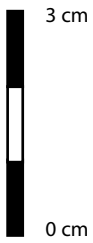
Annexe n°57 - S.A.V. - Locus 1 - Outillage

Dessins S. Lancelot

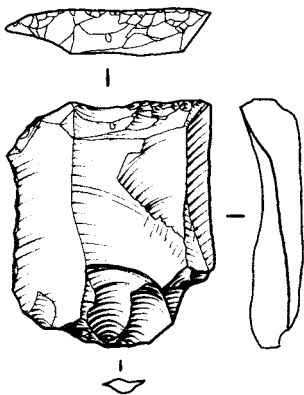


Pièces machurées

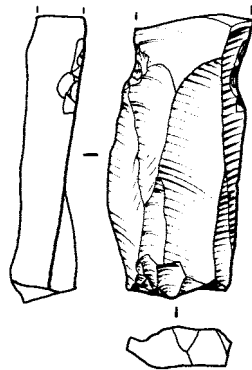
Pièces esquillées



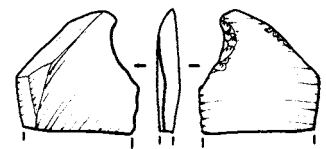
Burins ?



Pièce tronquée

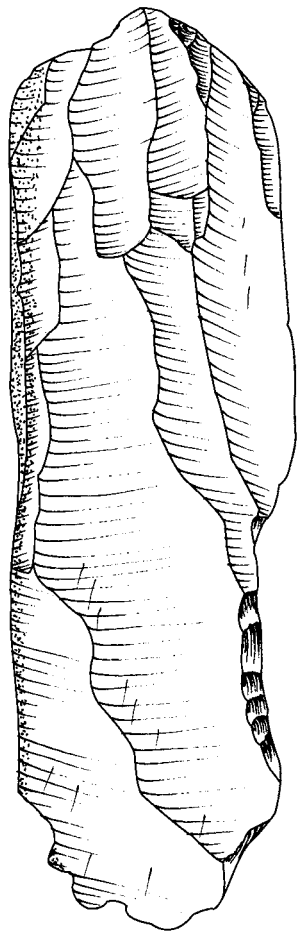
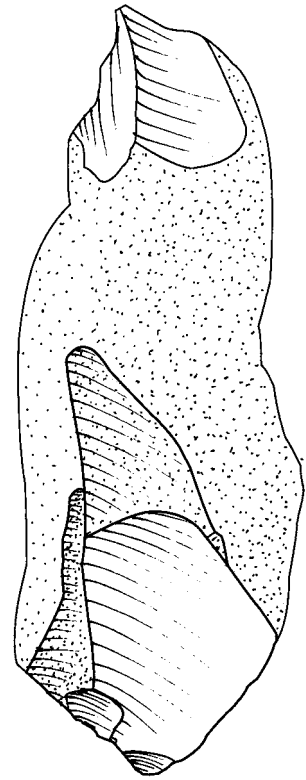
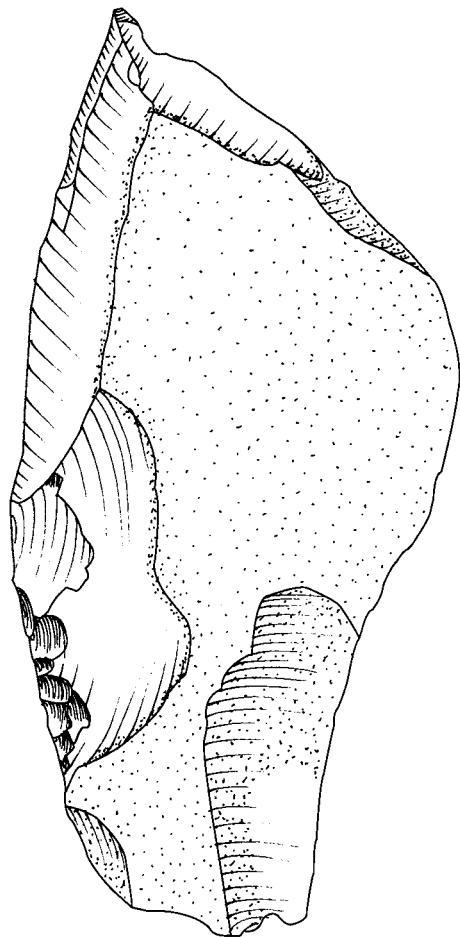


Pièces à encoches

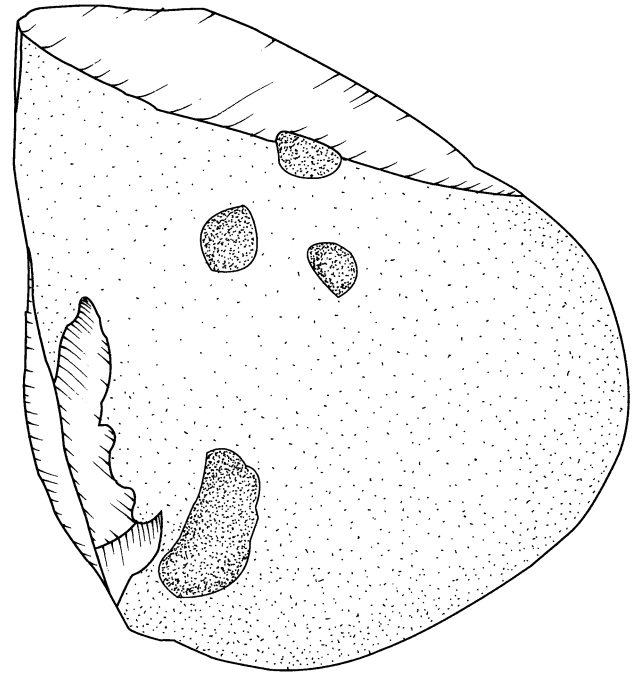
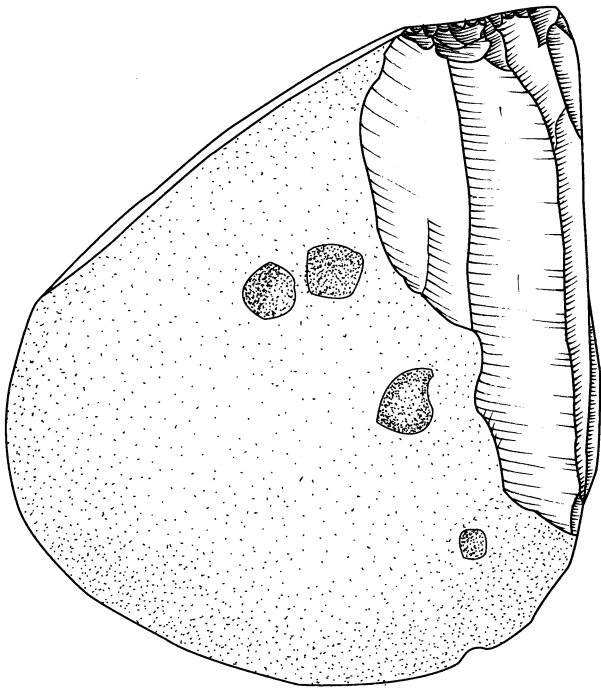
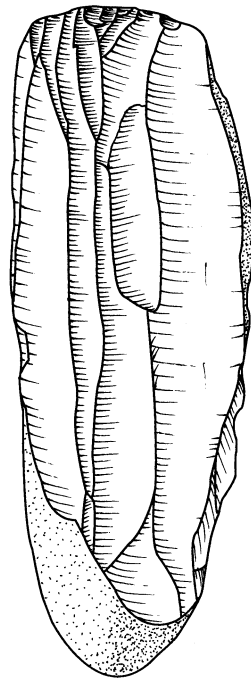
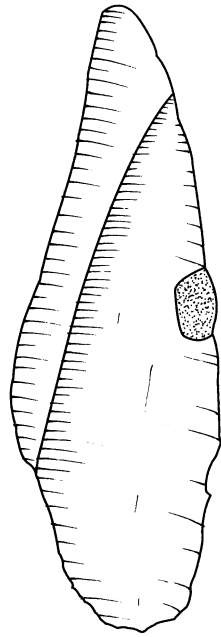


Riparo Tagliente **(Annexes)**

Dessins de C. Montoya

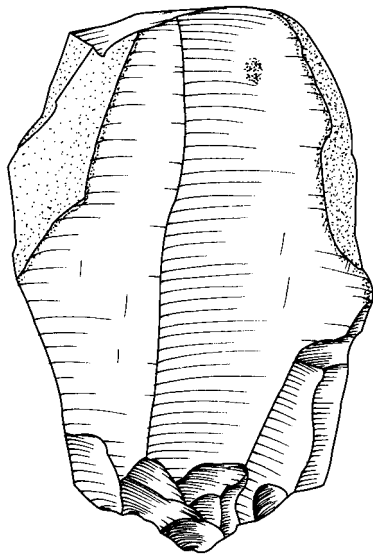


Annexe n°60 - Riparo Tagliente - Nucléus laminaire niv. 13

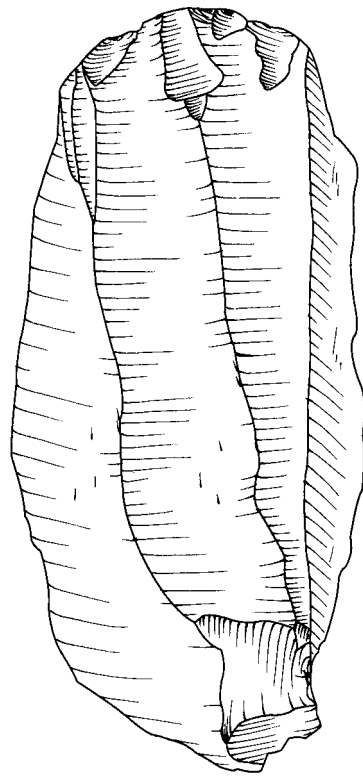


5 cm

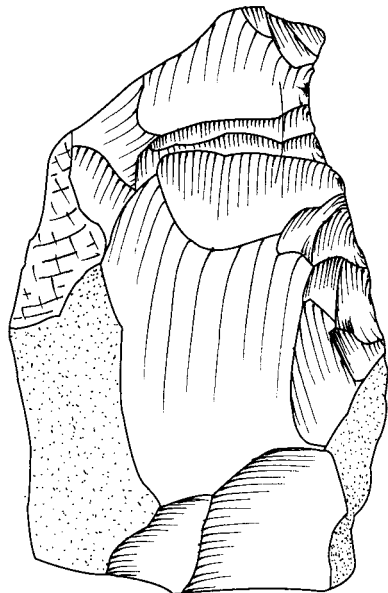
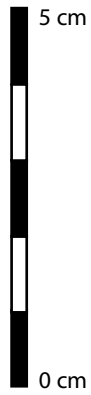
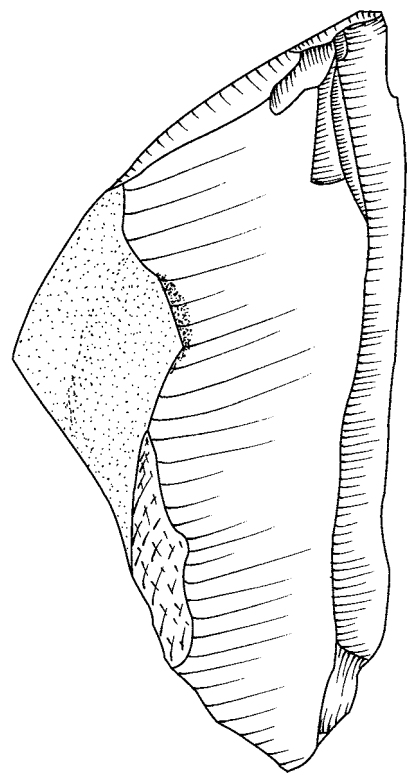
0 cm



1

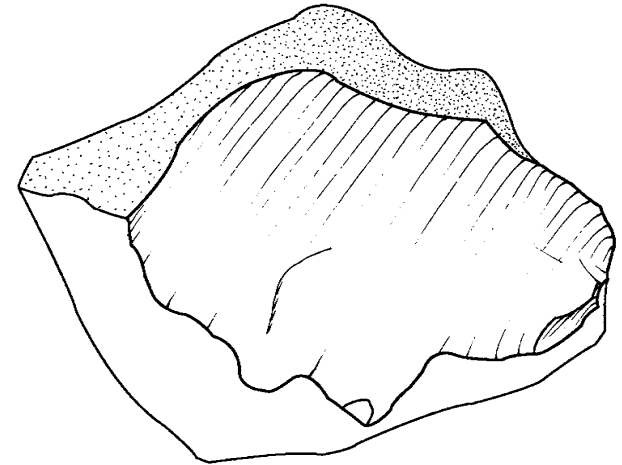


2

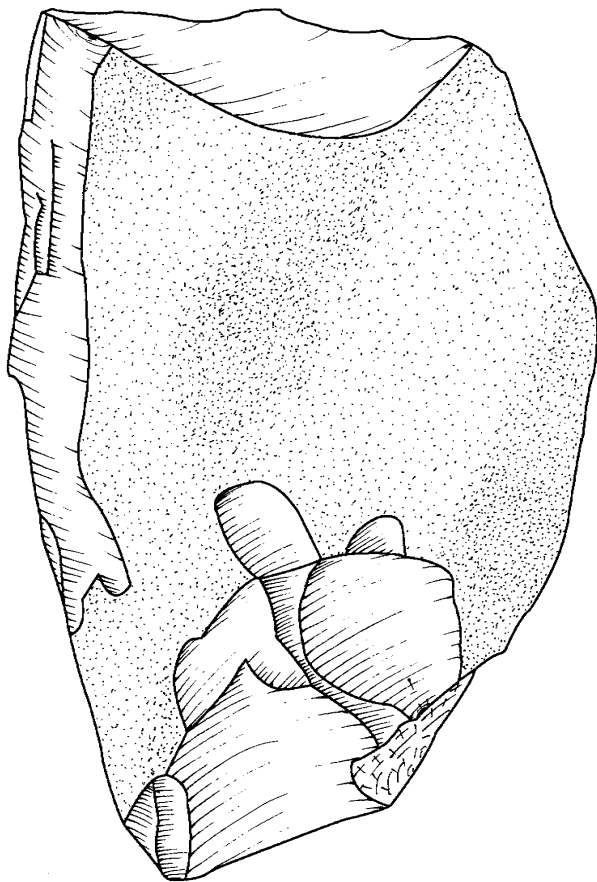


Annexe n°61 - Riparo Tagliente
Nucléus laminaire niv. 12

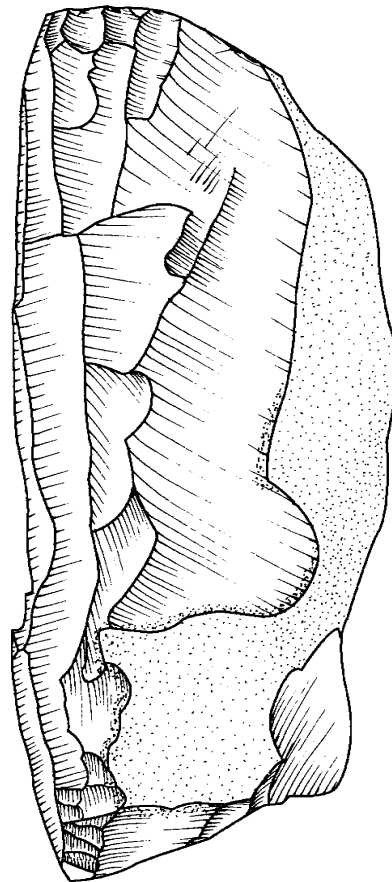
Annexe n°62 - Riparo Tagliente - Nucléus laminaire niv. 13



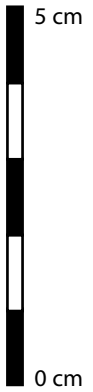
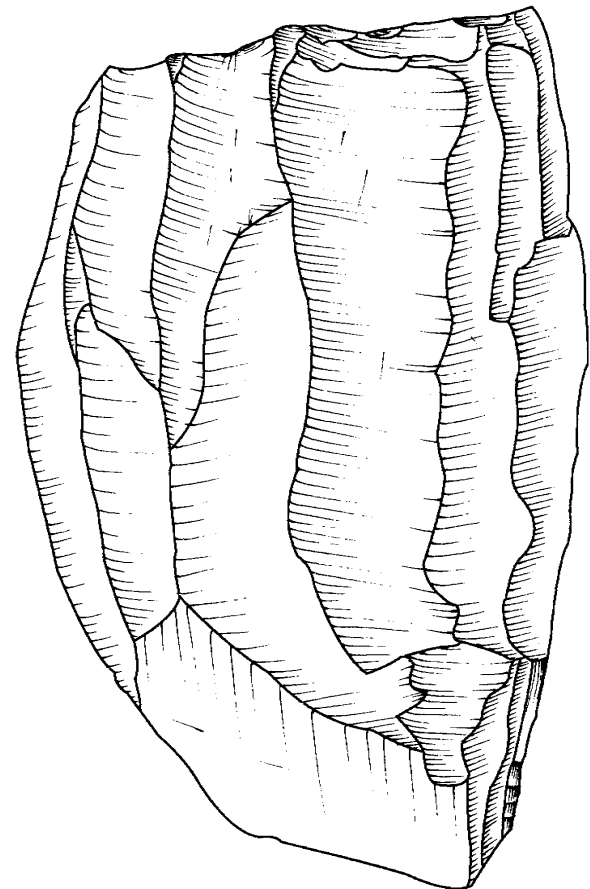
1

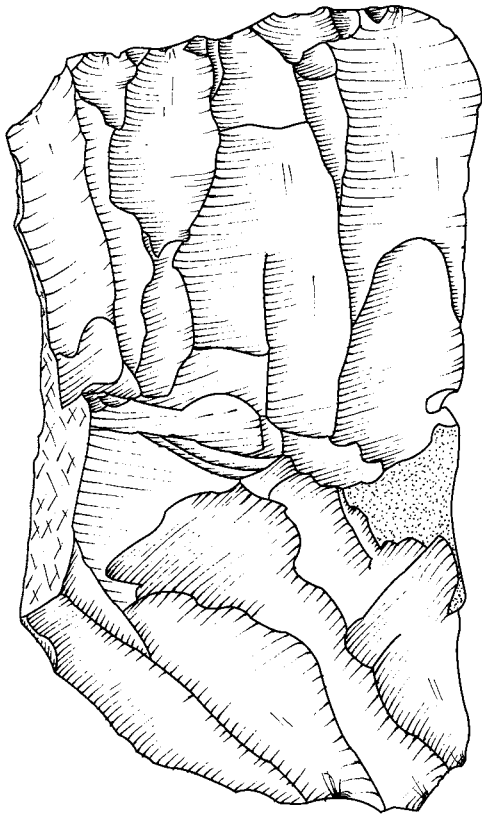


—

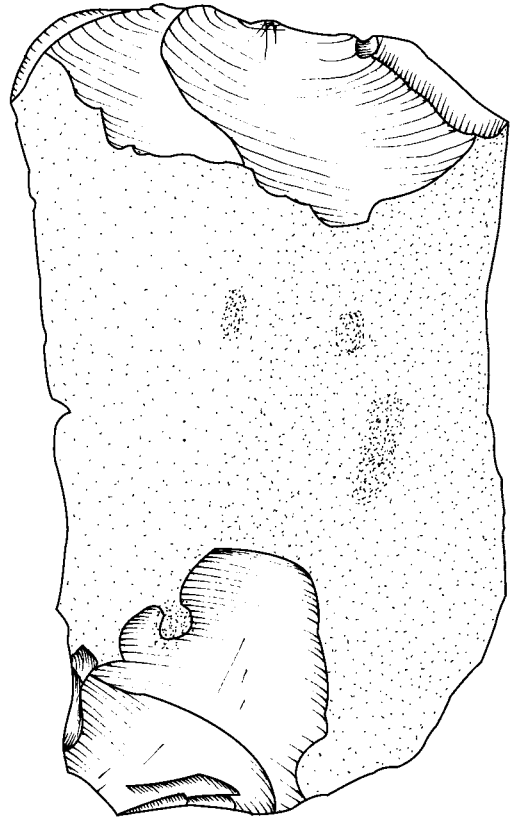


—

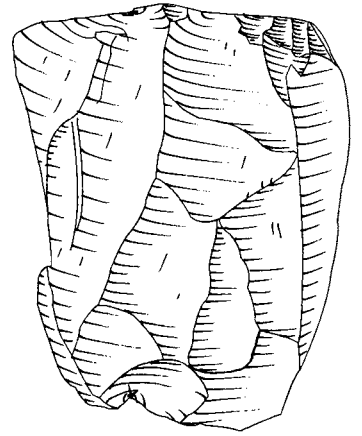
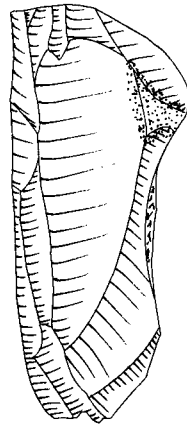
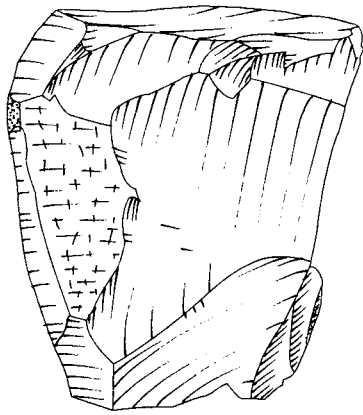




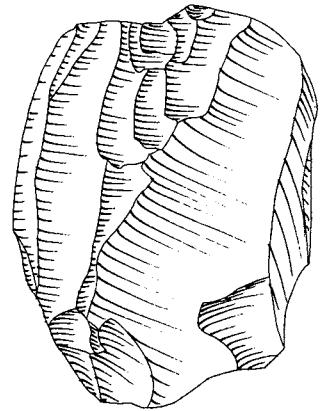
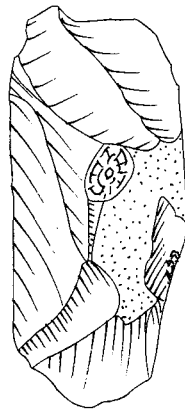
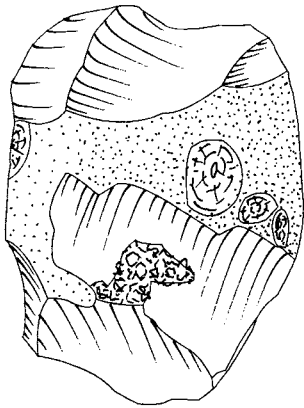
-



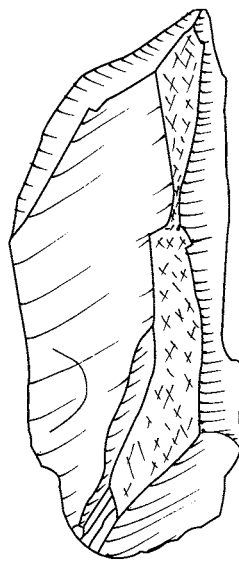
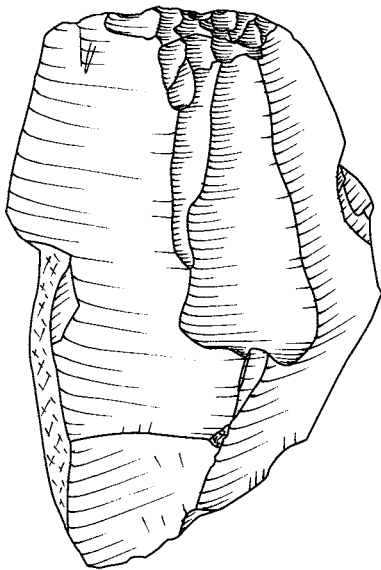
Annexe n°63 - Riparo Tagliente - Nucléus laminaire niv. 13



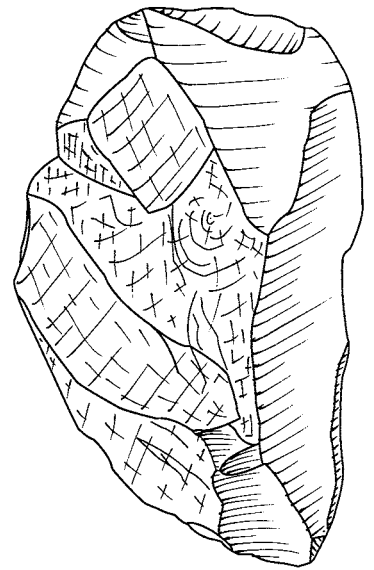
niv. 15c



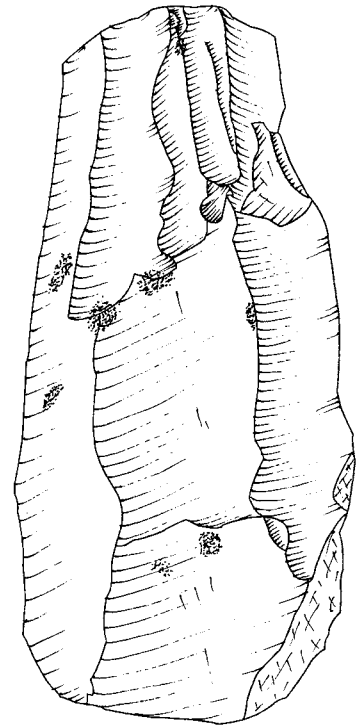
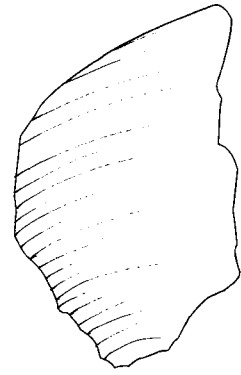
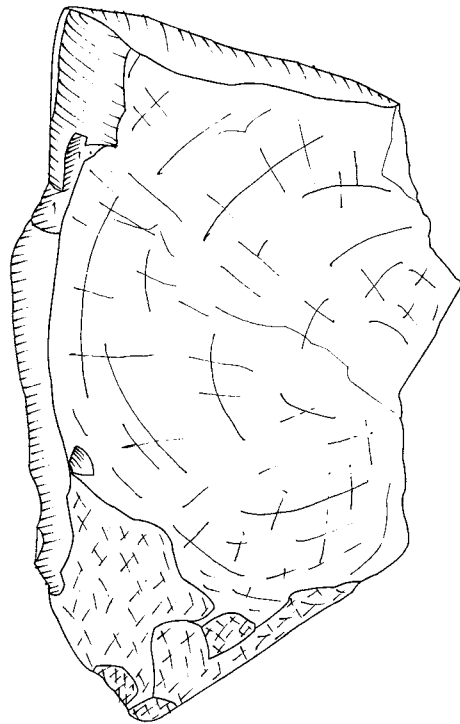
niv. 15a



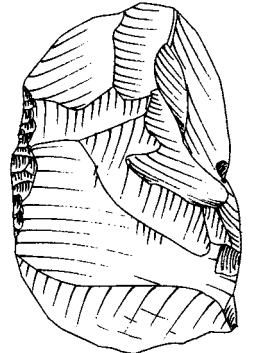
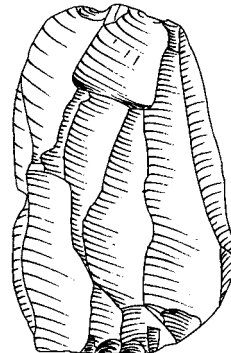
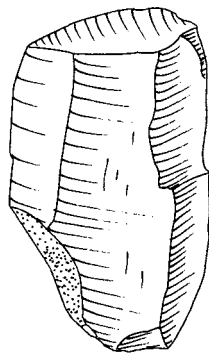
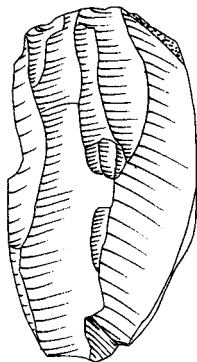
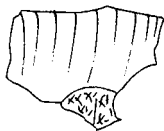
Nucléus à grandes lamelles



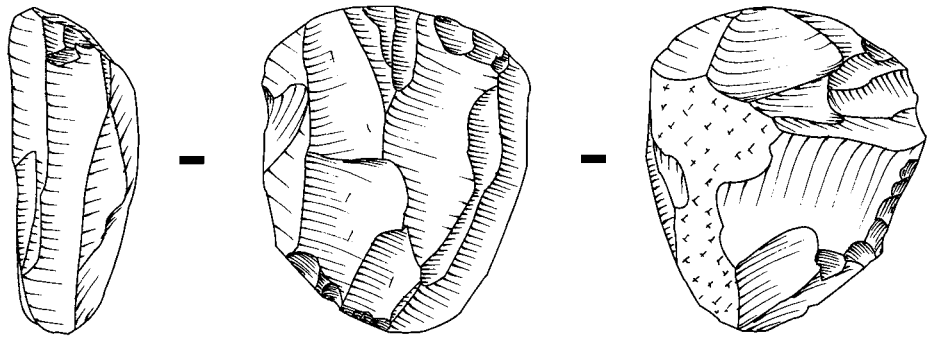
niv. 15



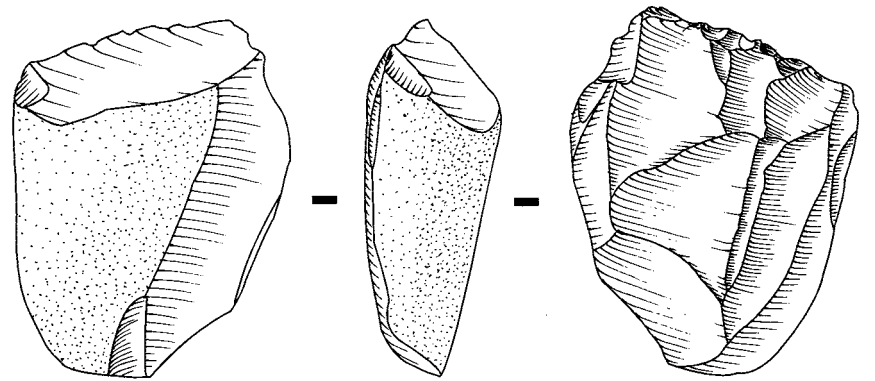
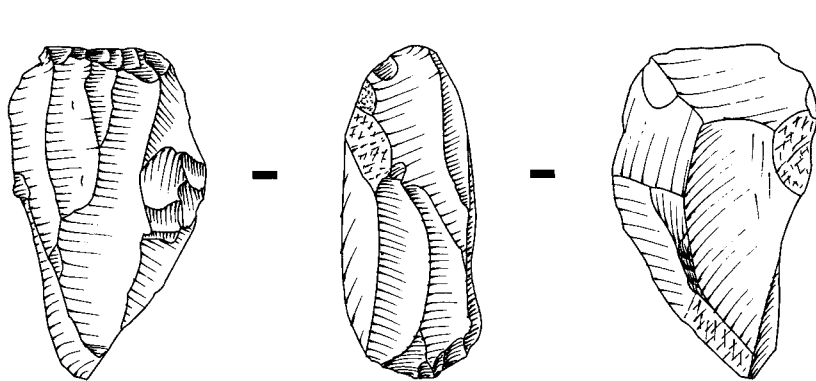
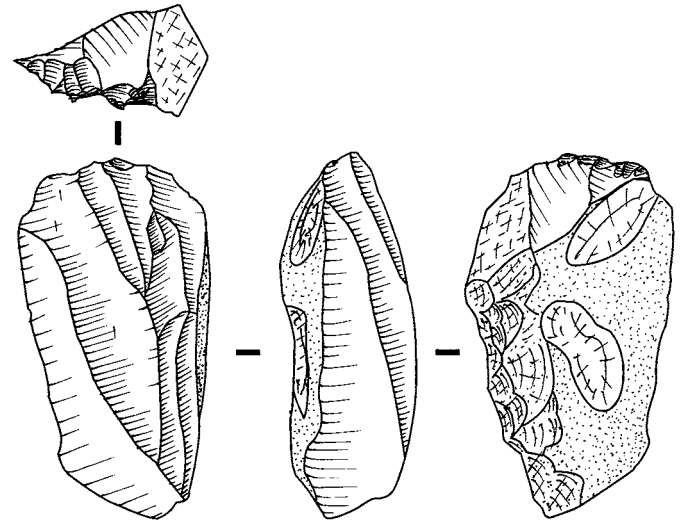
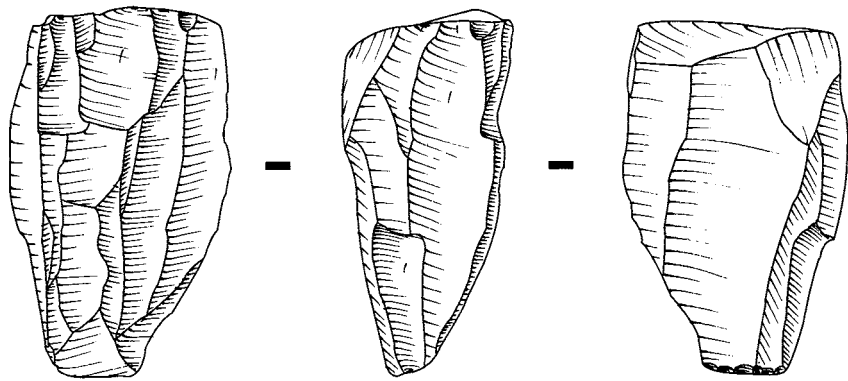
Nucléus laminaire niv. 13

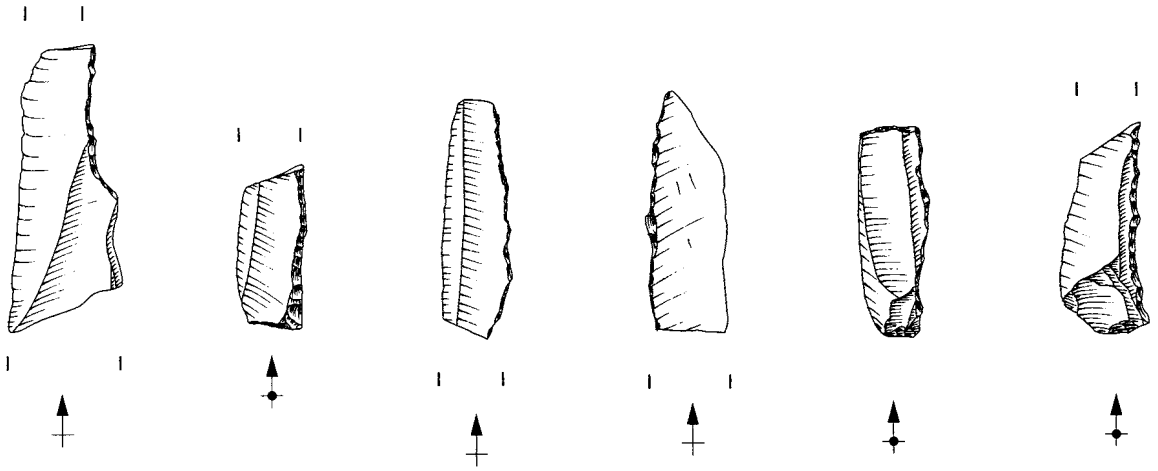


Nucléus Lamellaire niv. 13



Riparo Tagliente - Annexe n°66 - Nucléus lamellaire niv. 6

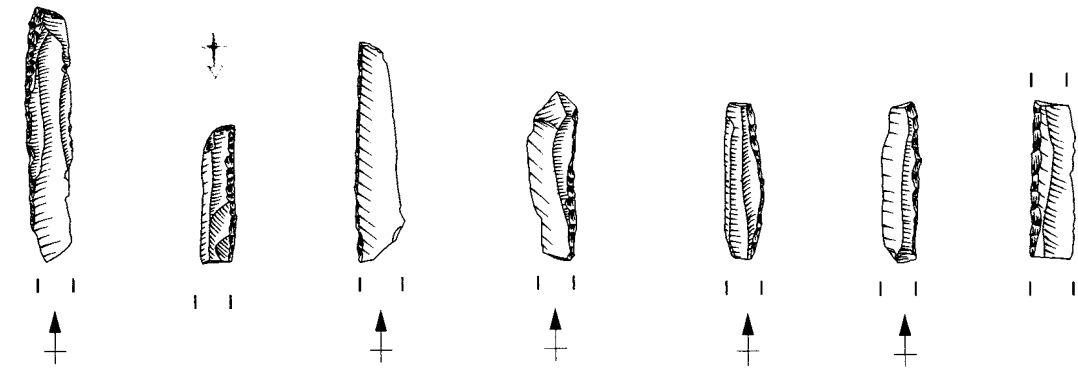




Grandes lamelles

Troncature

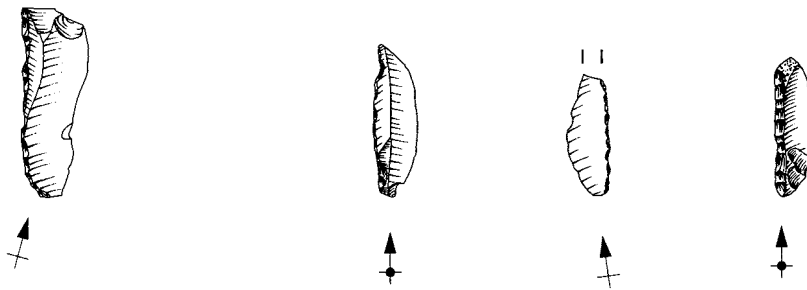
Niv. 13



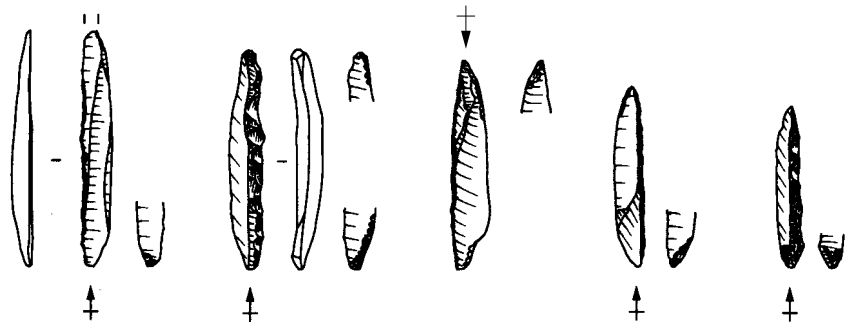
Troncature

Troncature

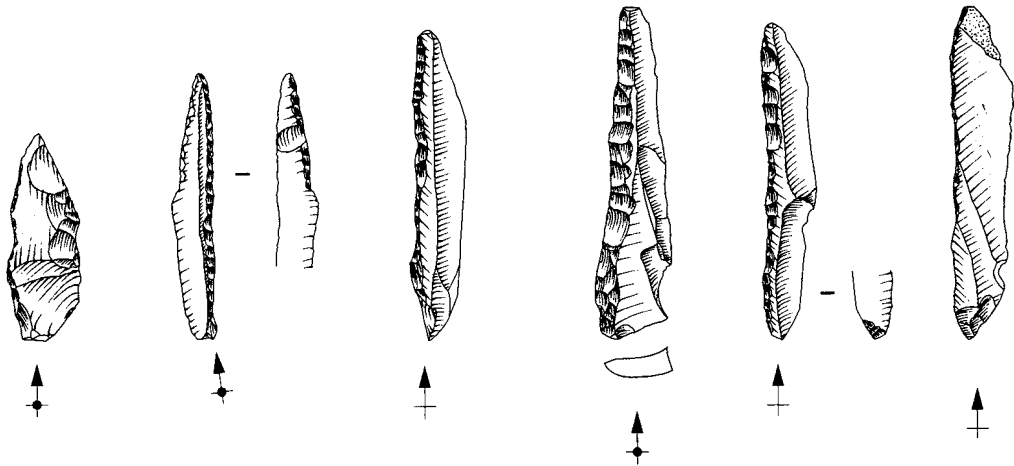
Lamelles



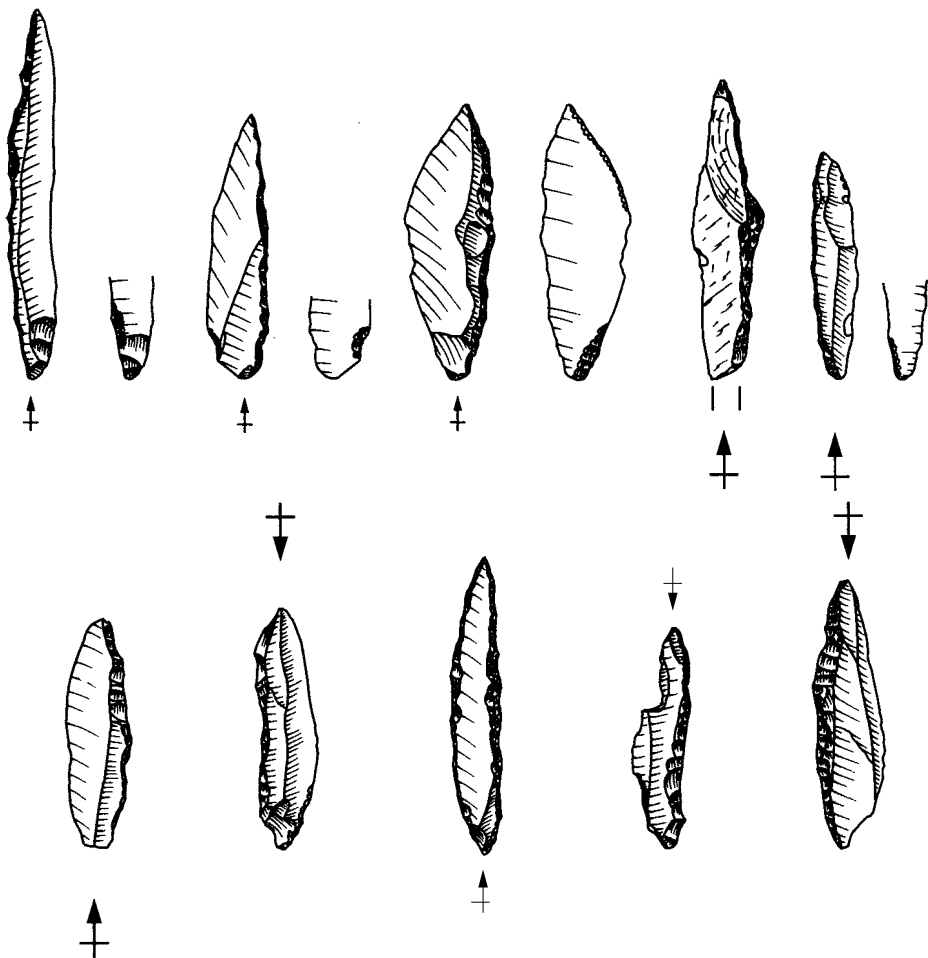
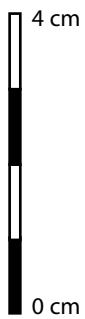
Niv. 10



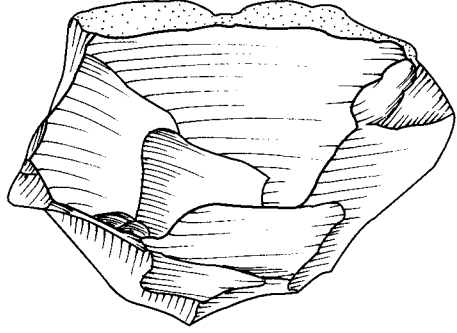
Niv. 13



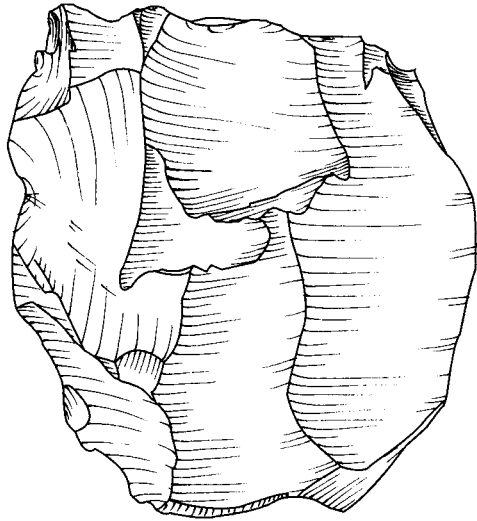
Niv. 10



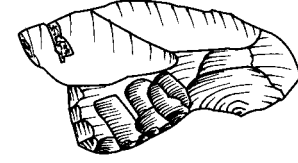
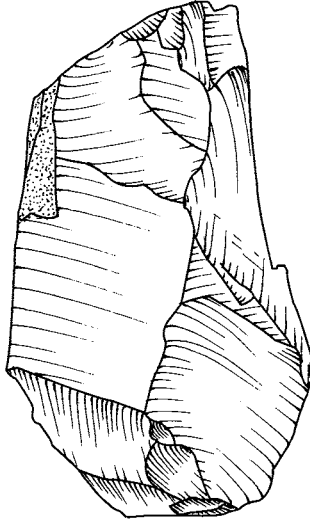
Niv. 6



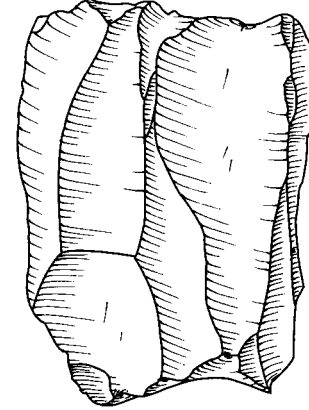
I



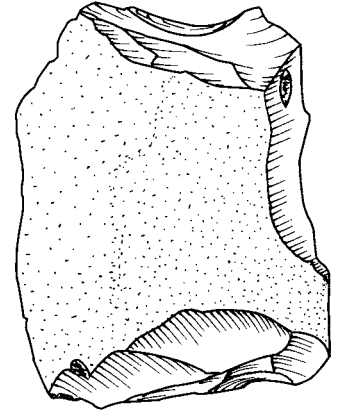
-



I



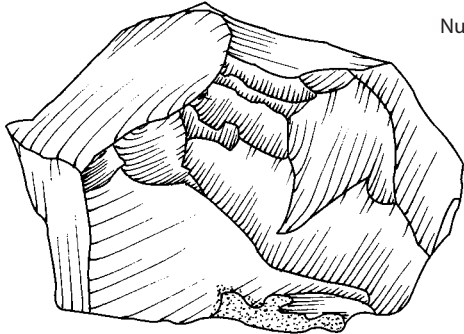
-



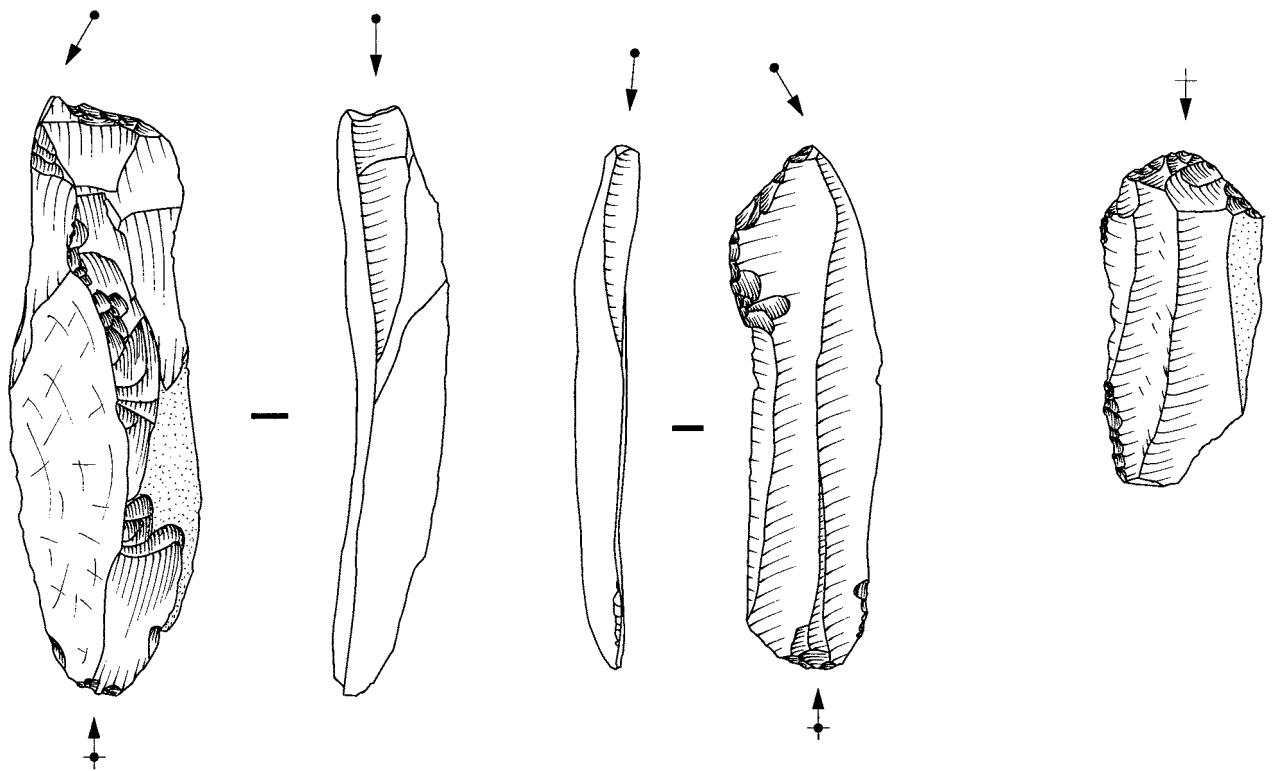
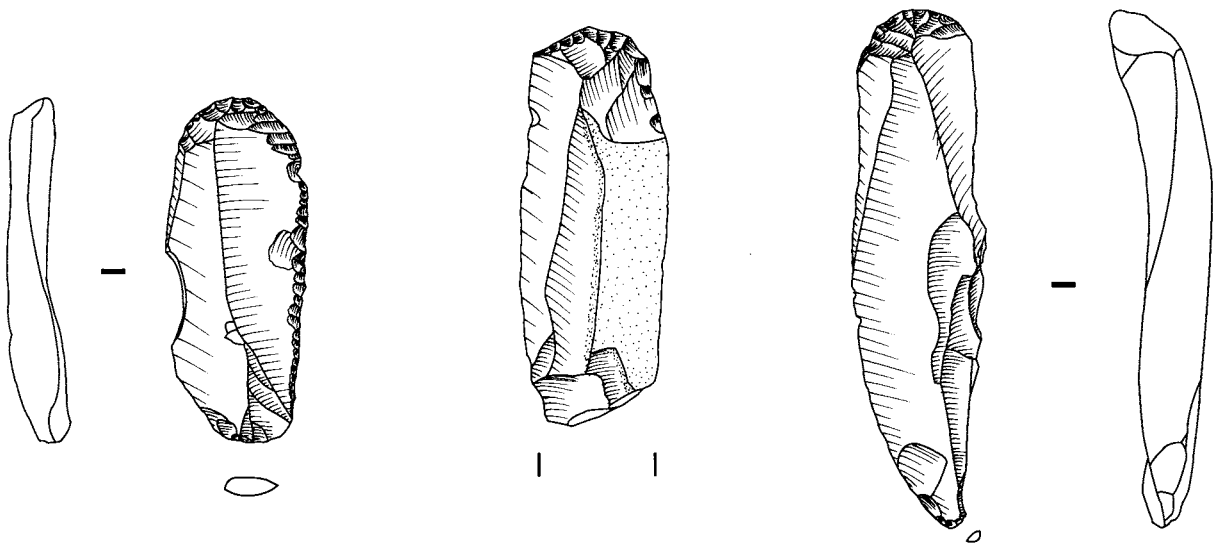
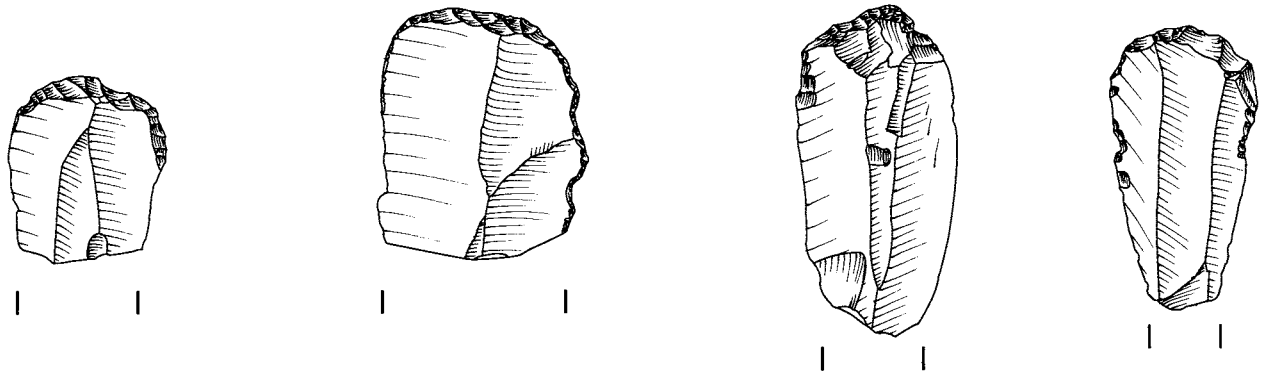
Nucléus à lamelle - niv.10c

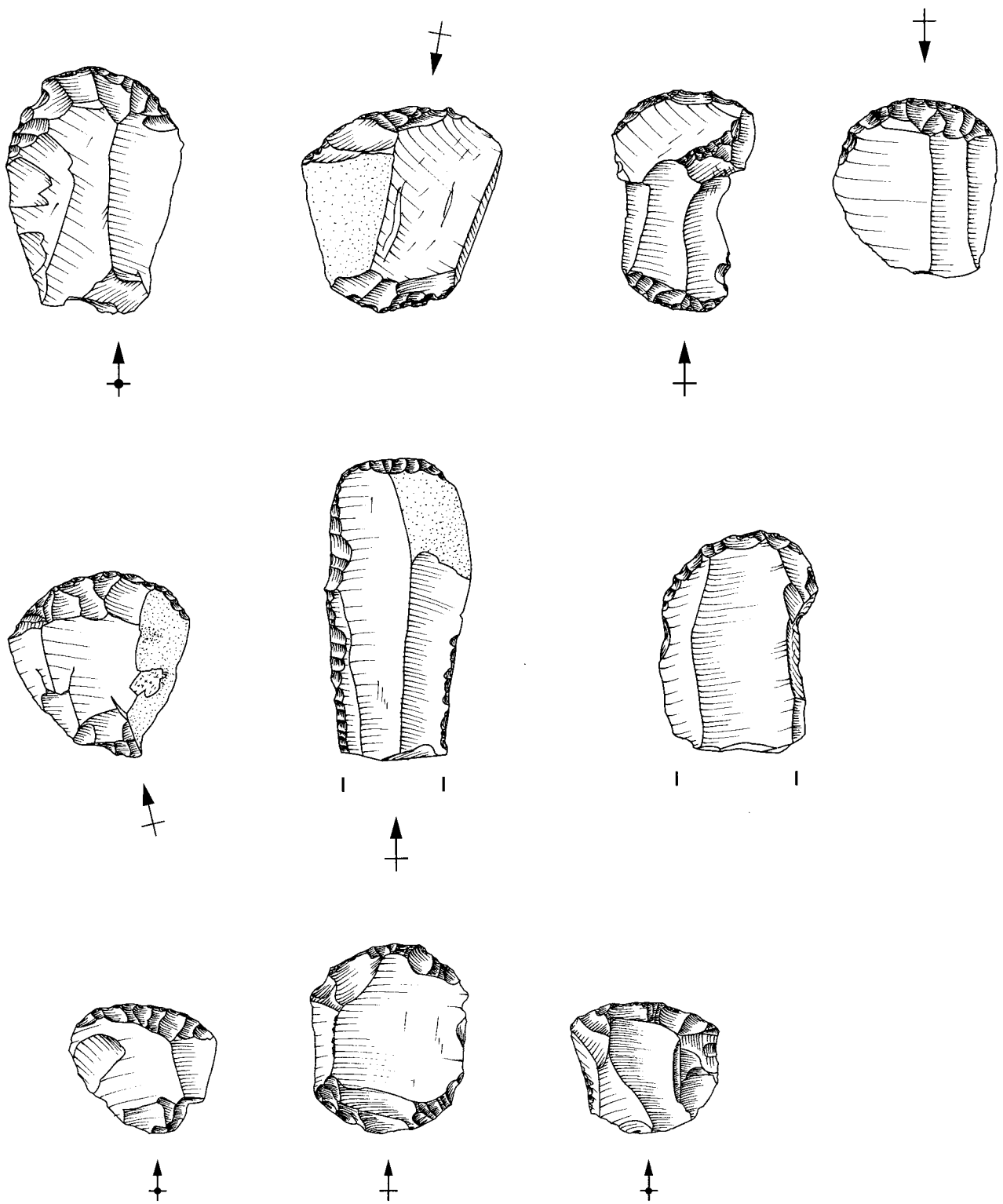


I

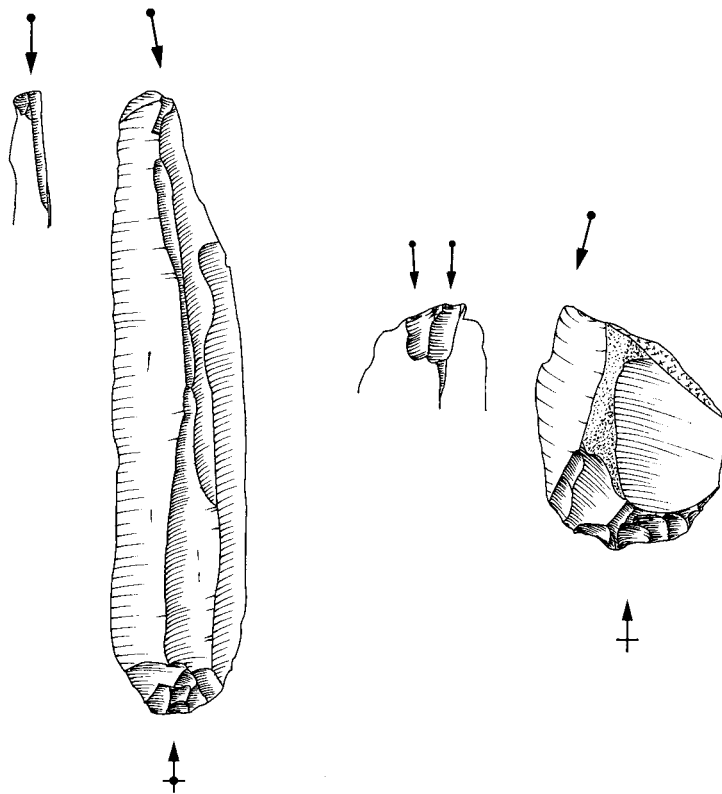
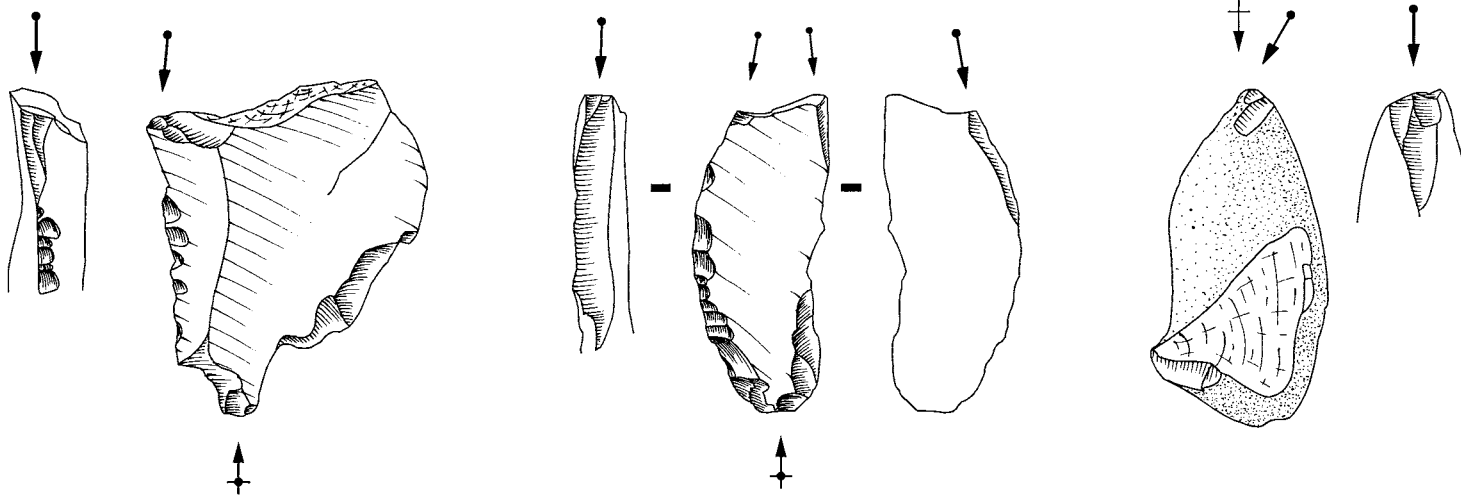


Nucléus à éclat laminaire - niv 10d





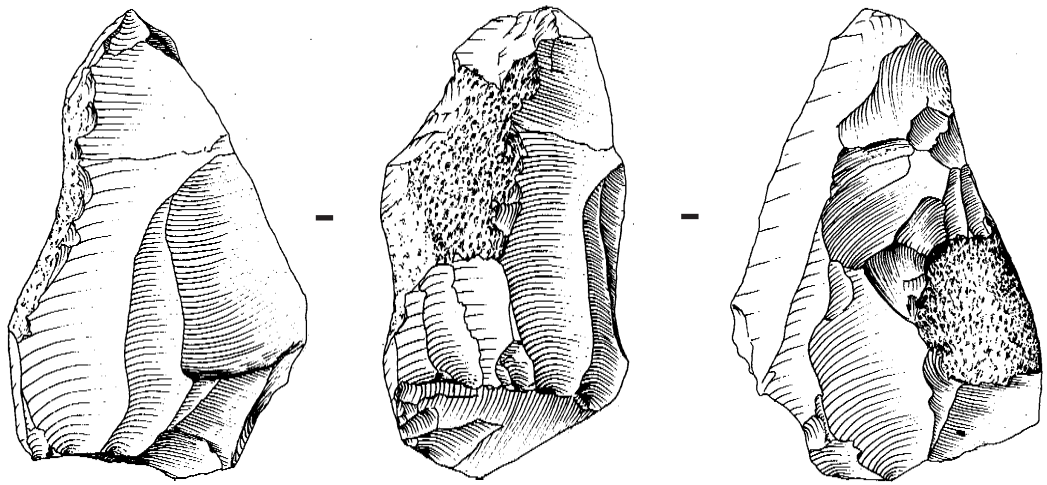
Annexe n°71 - Riparo Tagliente - Grattoirs niv. 6



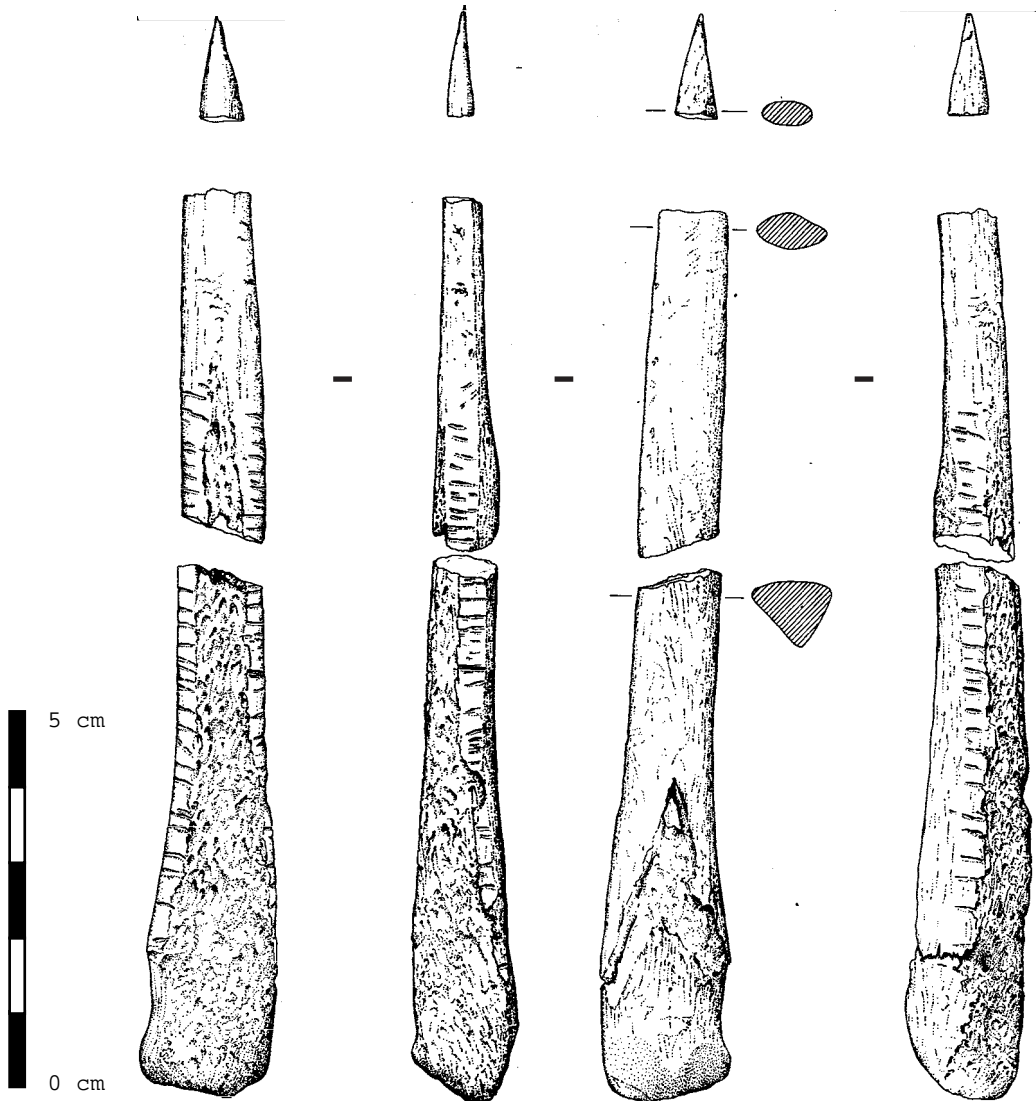
Annexe n°72 - Riparo Tagliente - Burins niv. 6

Riparo Villabruna **(Annexes)**

Dessins A. Paolilo

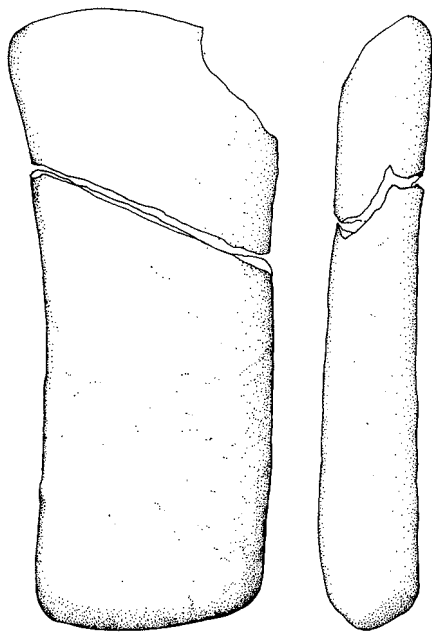


Nucléus

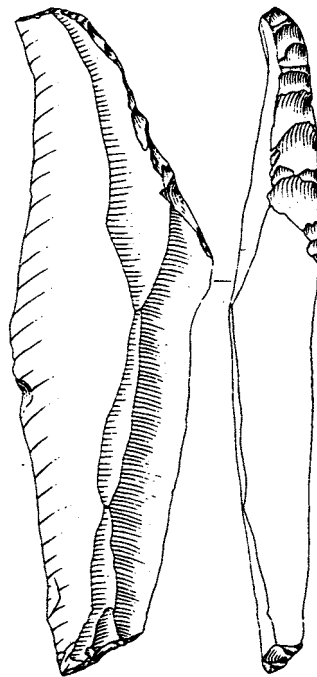


Pointe en os

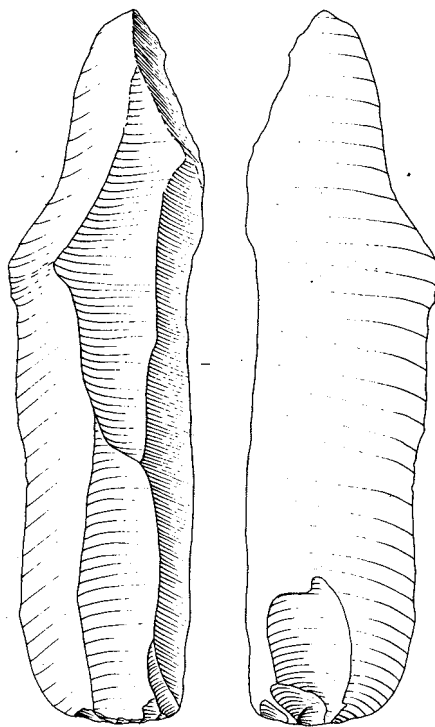
Riparo Villabruna - Mobilier funéraire
Annexe n°73



Percuteur - Retouchoir



Couteau à dos

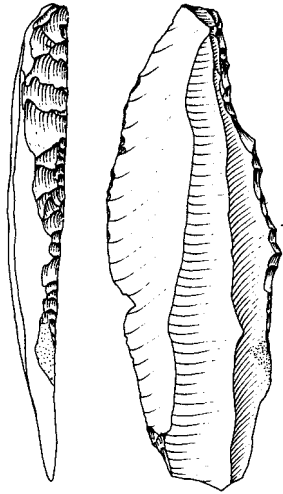


Lame

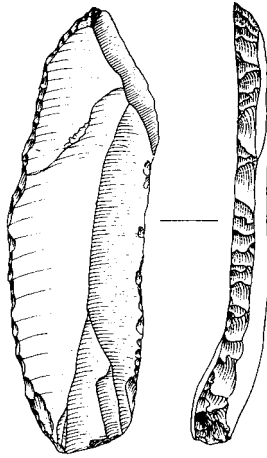


Riparo Villabruna - Mobilier funéraire
Annexe n°74

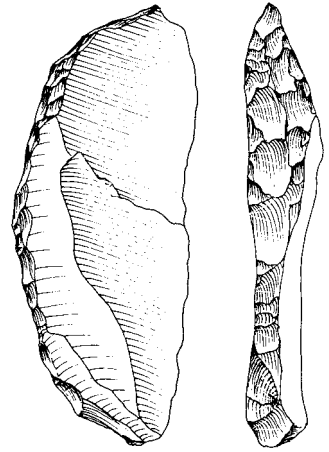
Niv 17



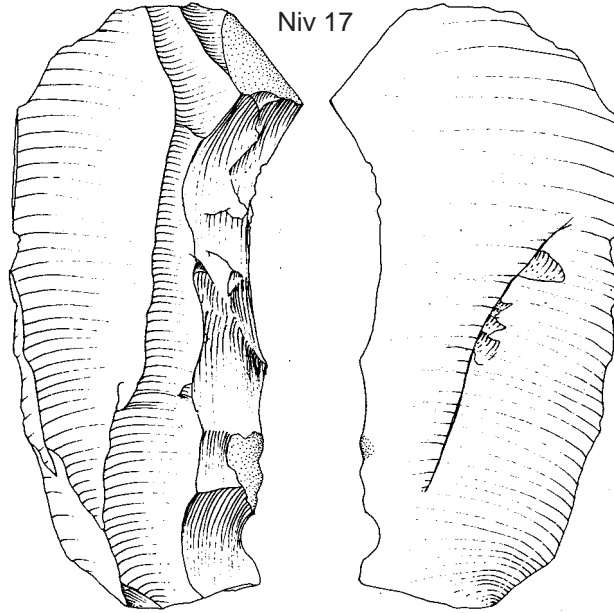
Niv 12a



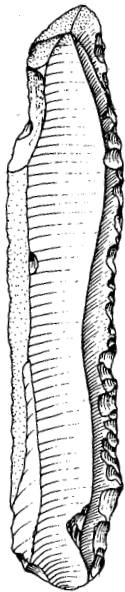
Niv. 6



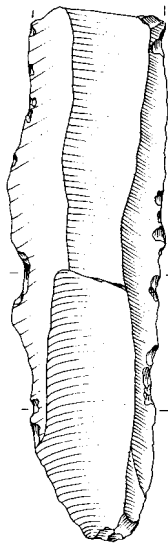
Niv 17



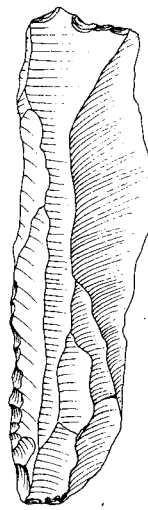
Niv 17



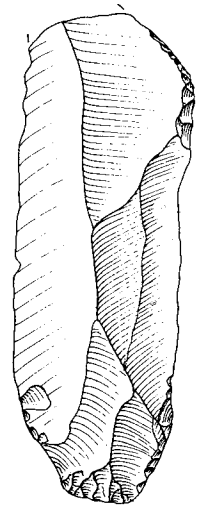
Niv 9a

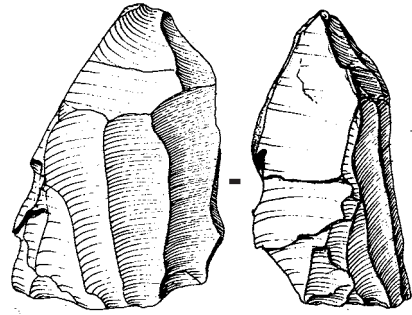
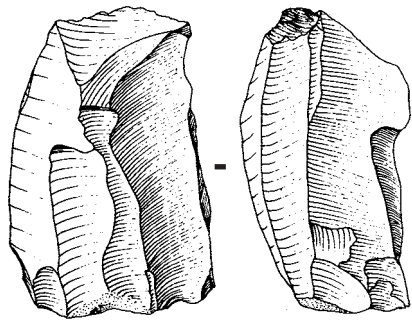


Niv 9a

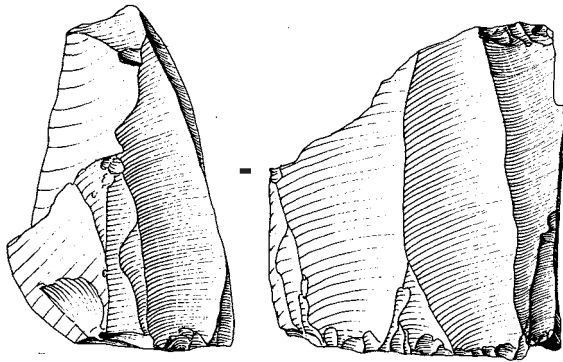


Niv 5b

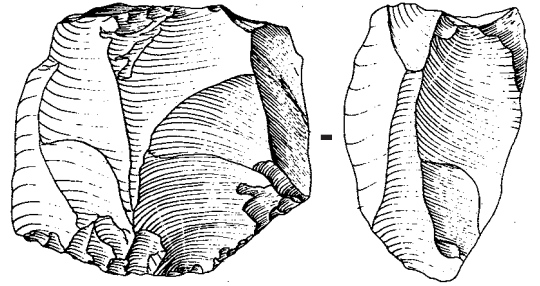




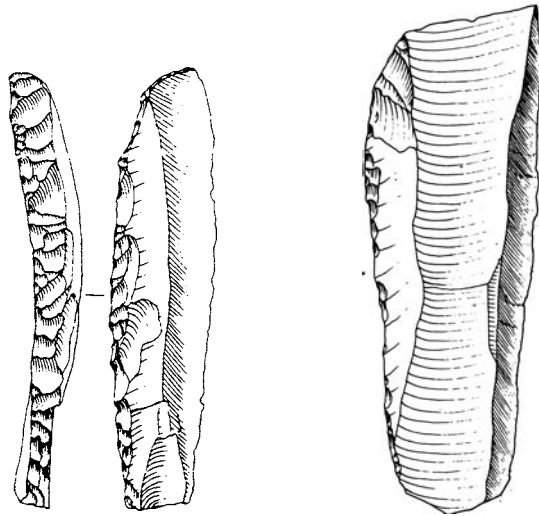
Nucléus à lamelles



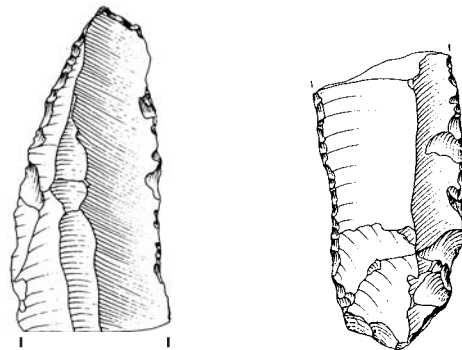
Nucléus à lames
(fracturation en cours de débitage)



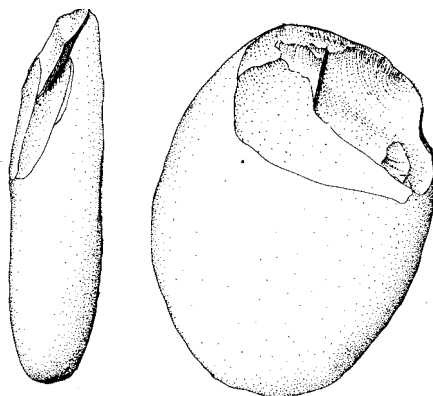
Nucléus à éclats laminaires



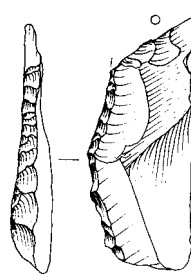
Couteau à dos



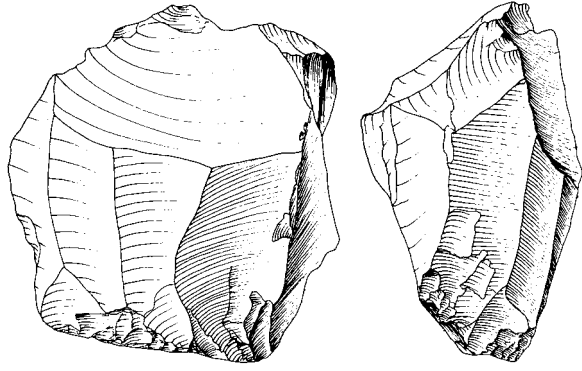
Lames retouchées



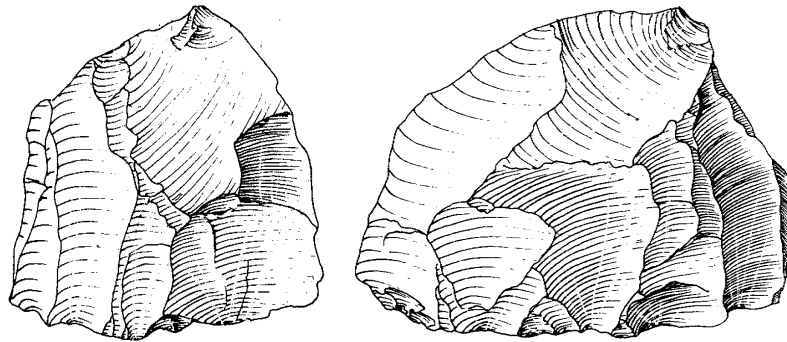
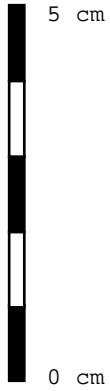
Retouchoir -abrasseur



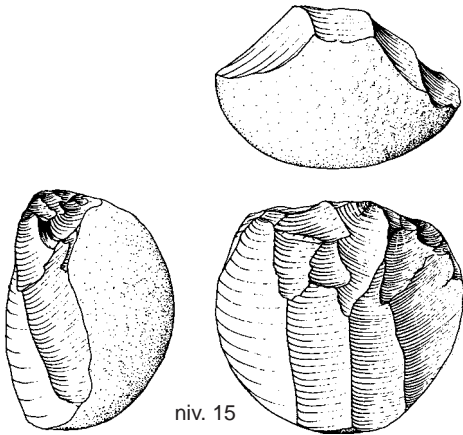
Frag. lame à dos



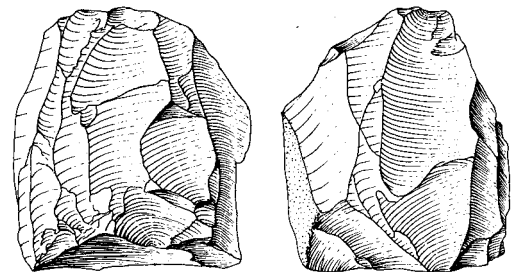
niv. 13b Nucléus laminaire



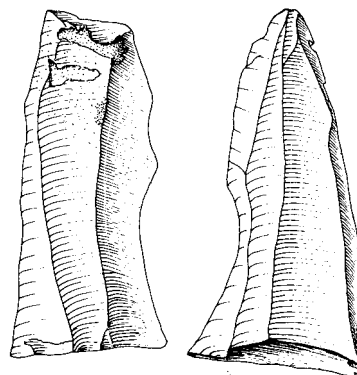
niv 13b cp Nucléus à éclats laminaires



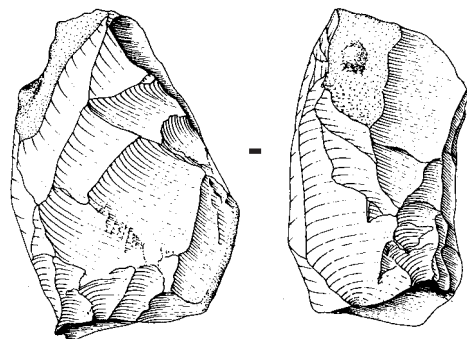
niv. 15
Nucléus lamellaire ?



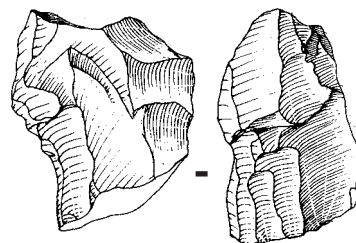
niv. 5/15 c
Nucléus lamellaire



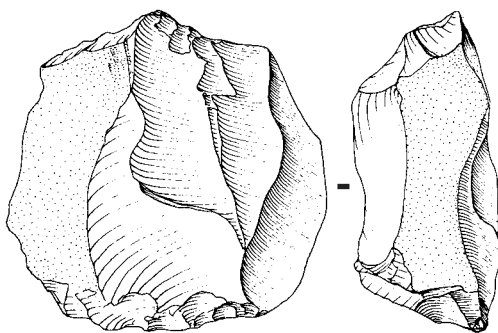
niv. 5-15a Nucléus lamellaire



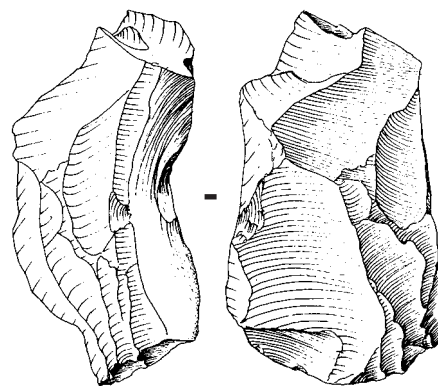
niv. 9a



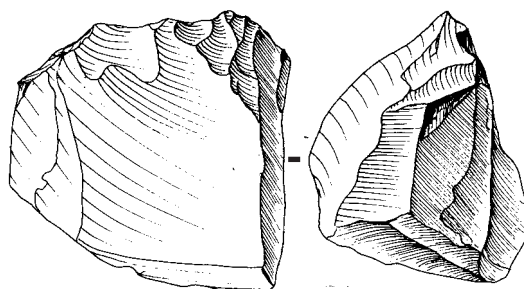
niv. 9a



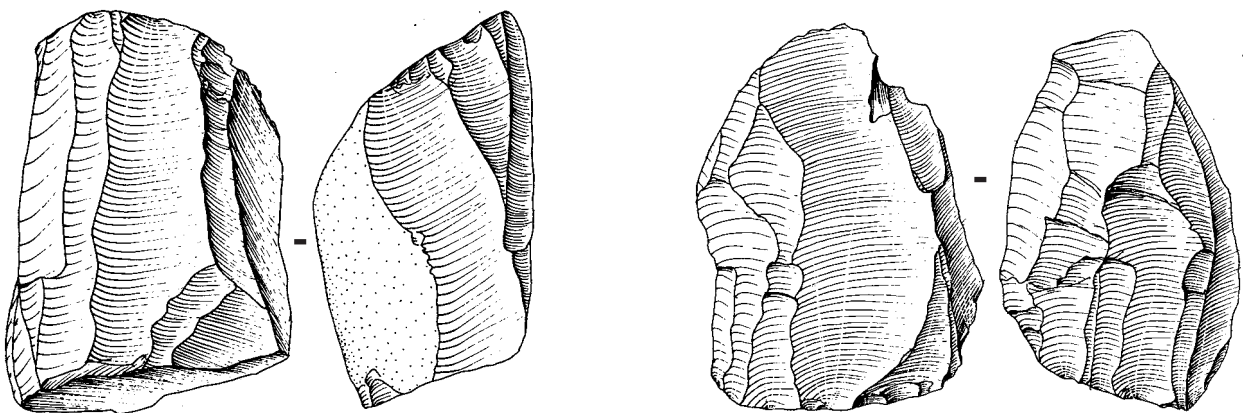
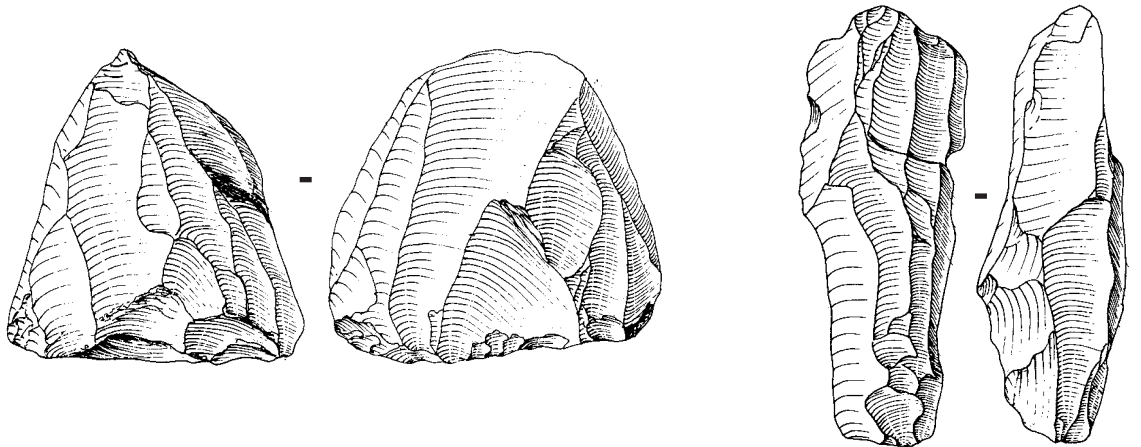
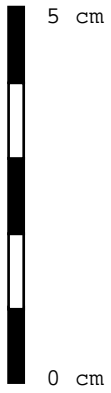
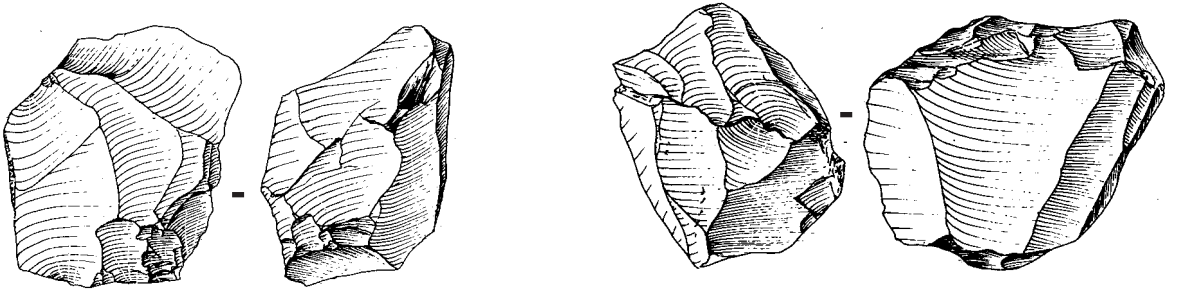
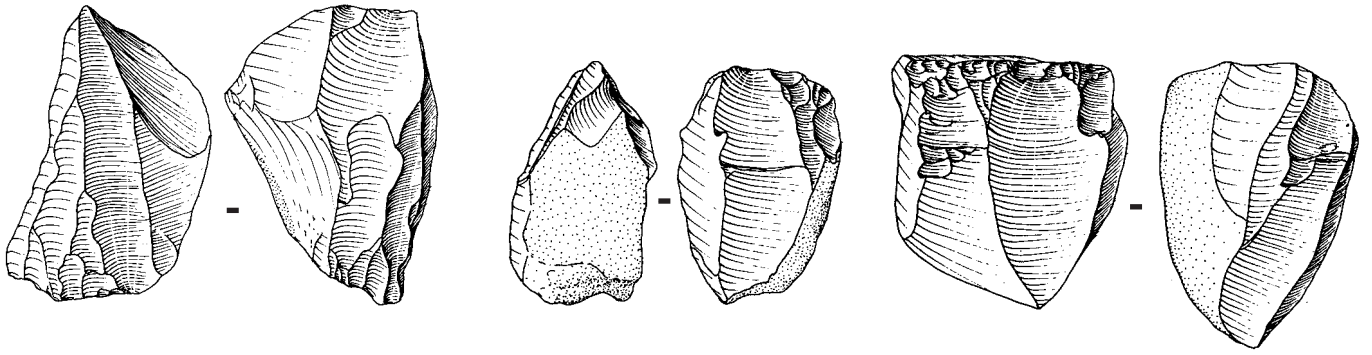
niv. 10a

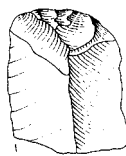
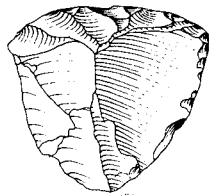
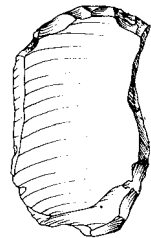
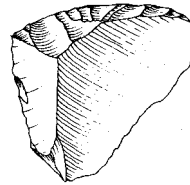
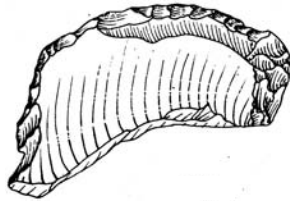
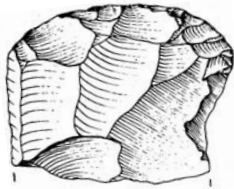
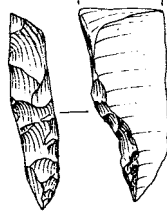
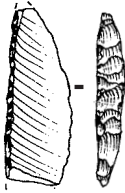
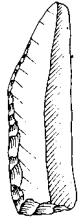
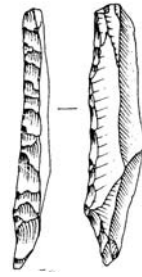
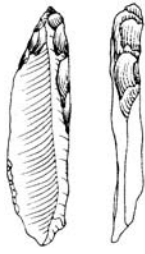
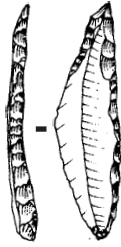
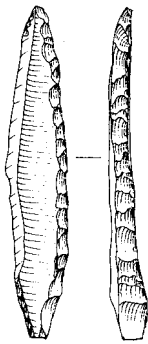


niv 10b

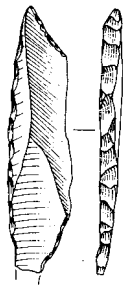
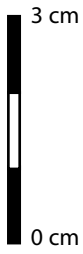


niv. 13b cp

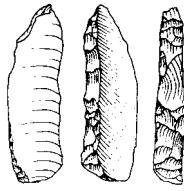




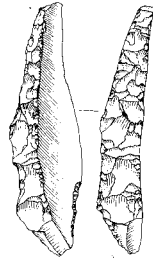
Riparo Villabruna A (niv 17-16)
Armatures et Grattoirs
Annexe n°80



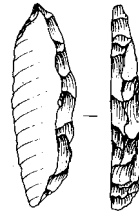
niv. 14



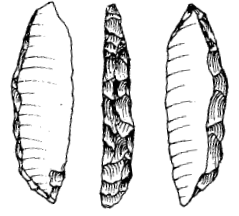
niv. 13b



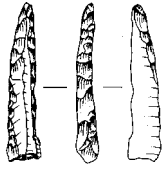
niv. 12a



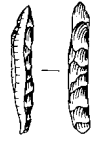
niv. 12a



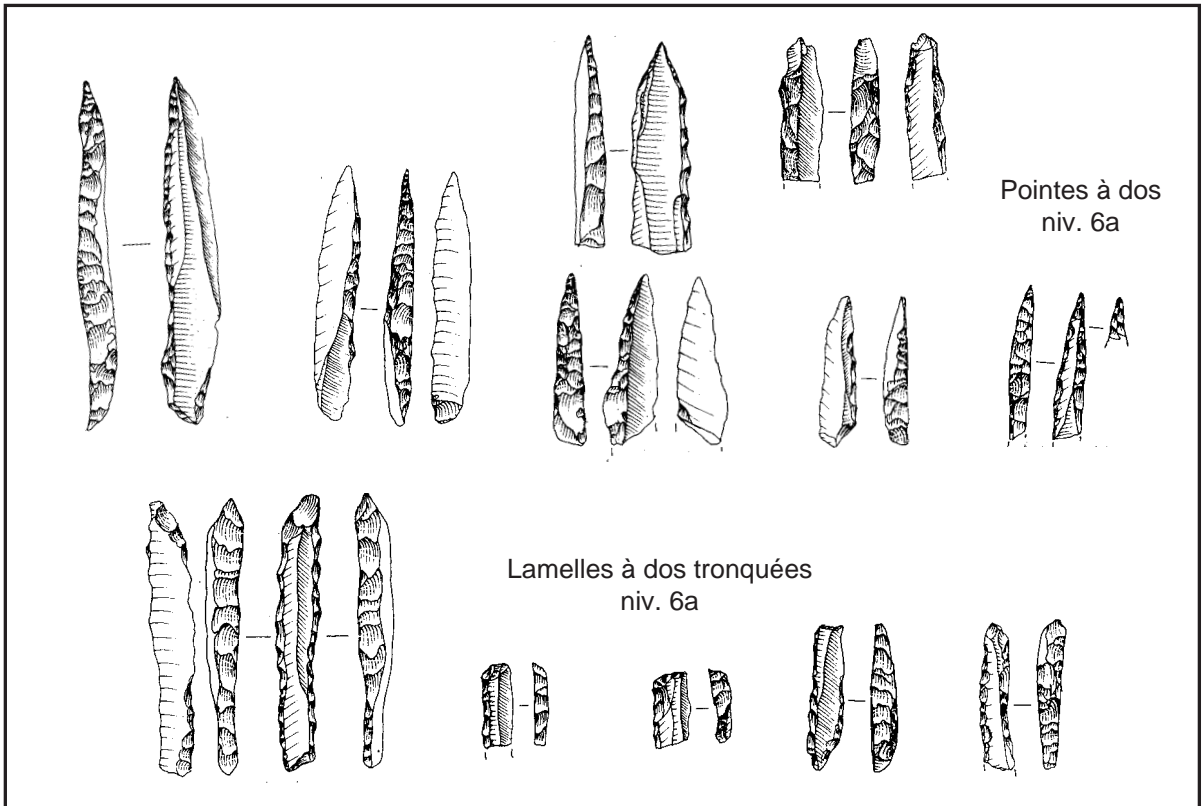
niv. 12a



niv. 9a



niv. 9a

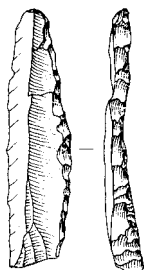


Pointes à dos
niv. 6a

Lamelles à dos tronquées
niv. 6a



niv. 13b



niv. 12a



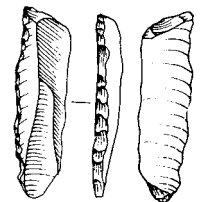
niv. 12a



niv. 9b



niv. 9a



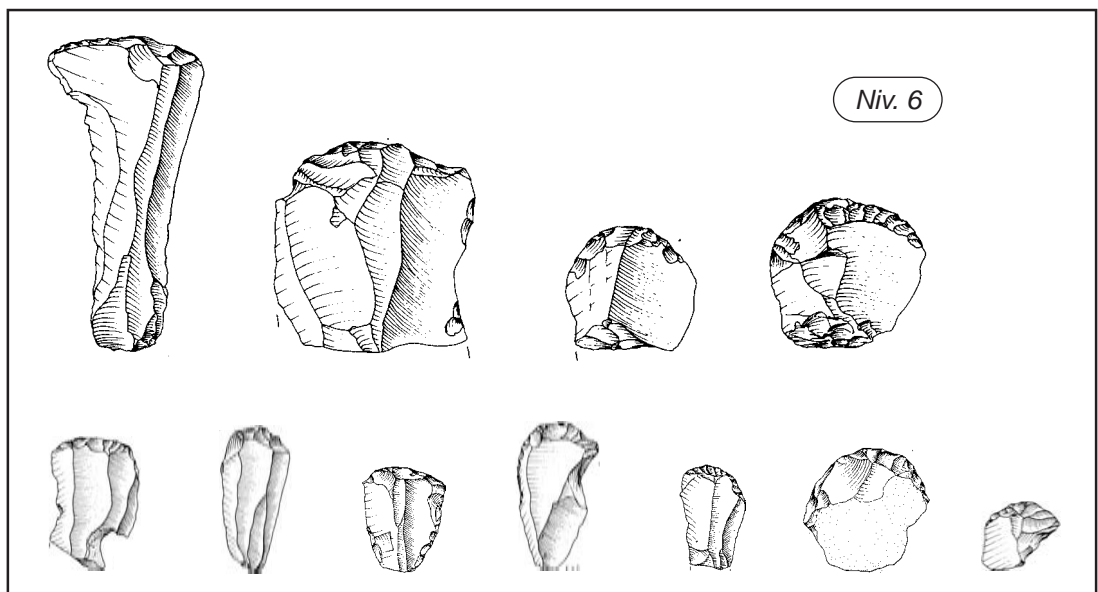
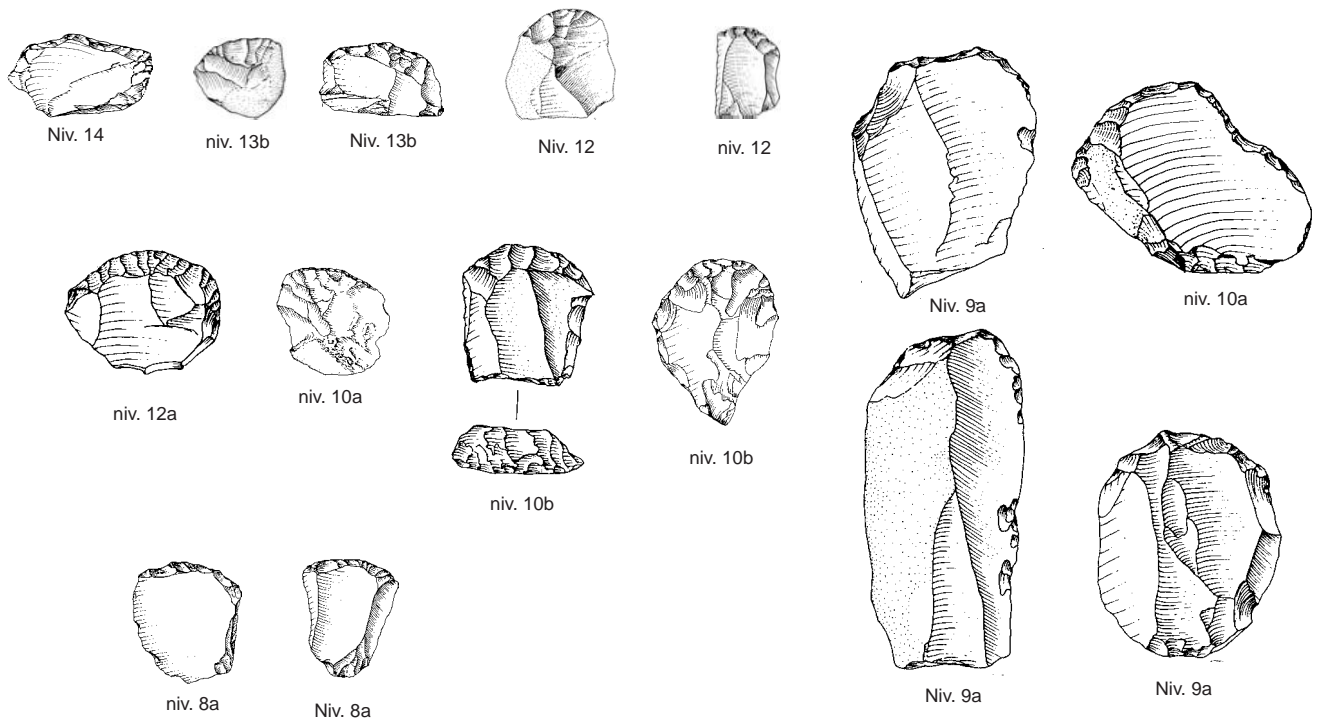
niv. 9c



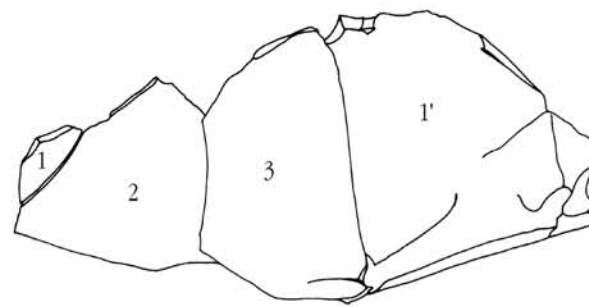
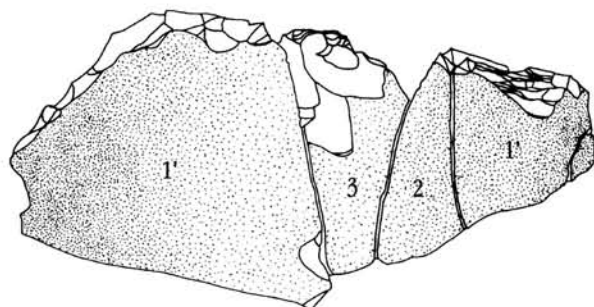
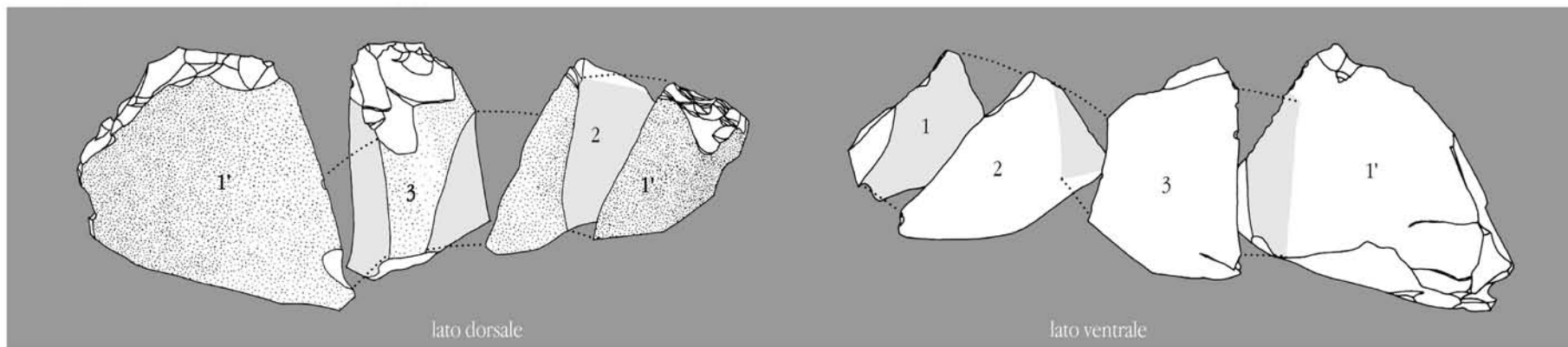
niv. 9



niv. 9c



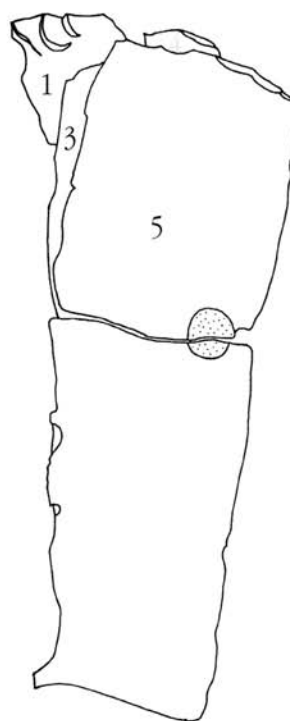
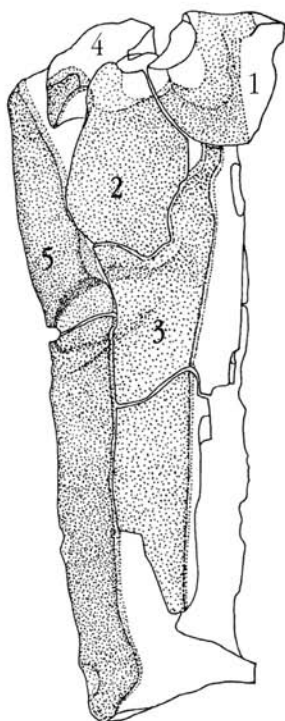
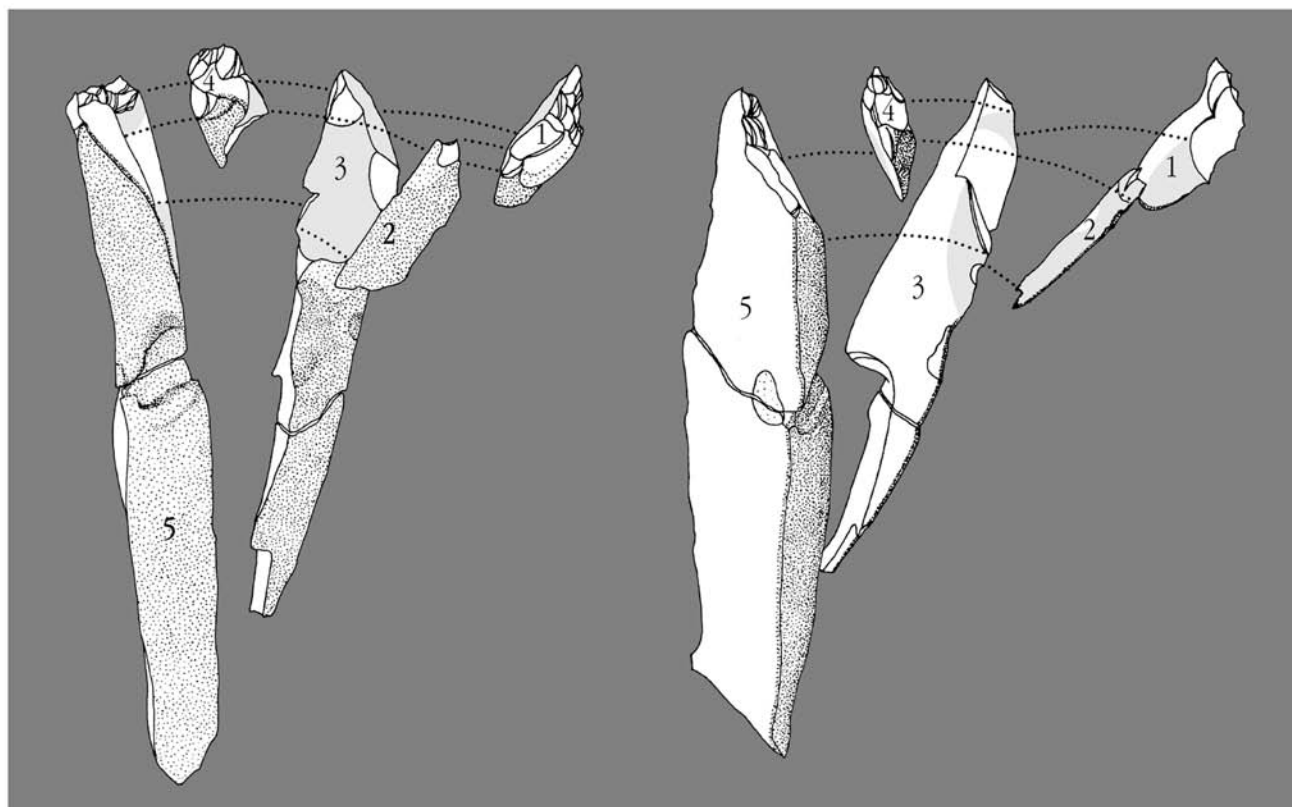
Riparo Dalmeri
(Annexes)



Riparo Dalmeri: U.S. 26b - rimontaggio - sequenza 195 (grand. nat.)

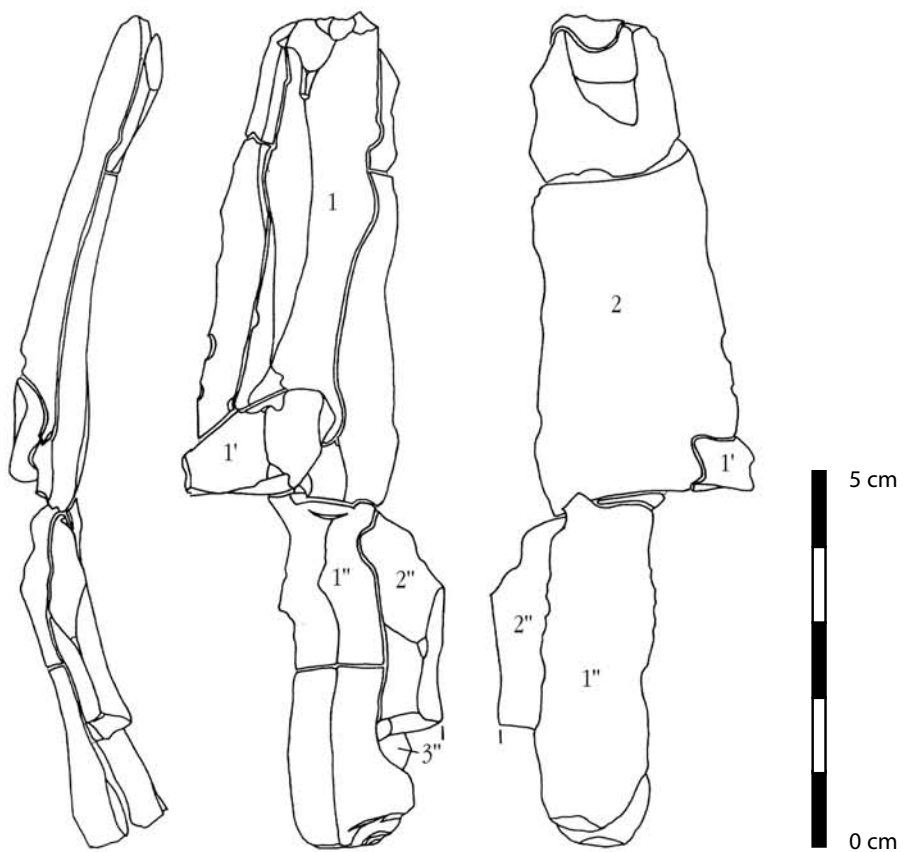
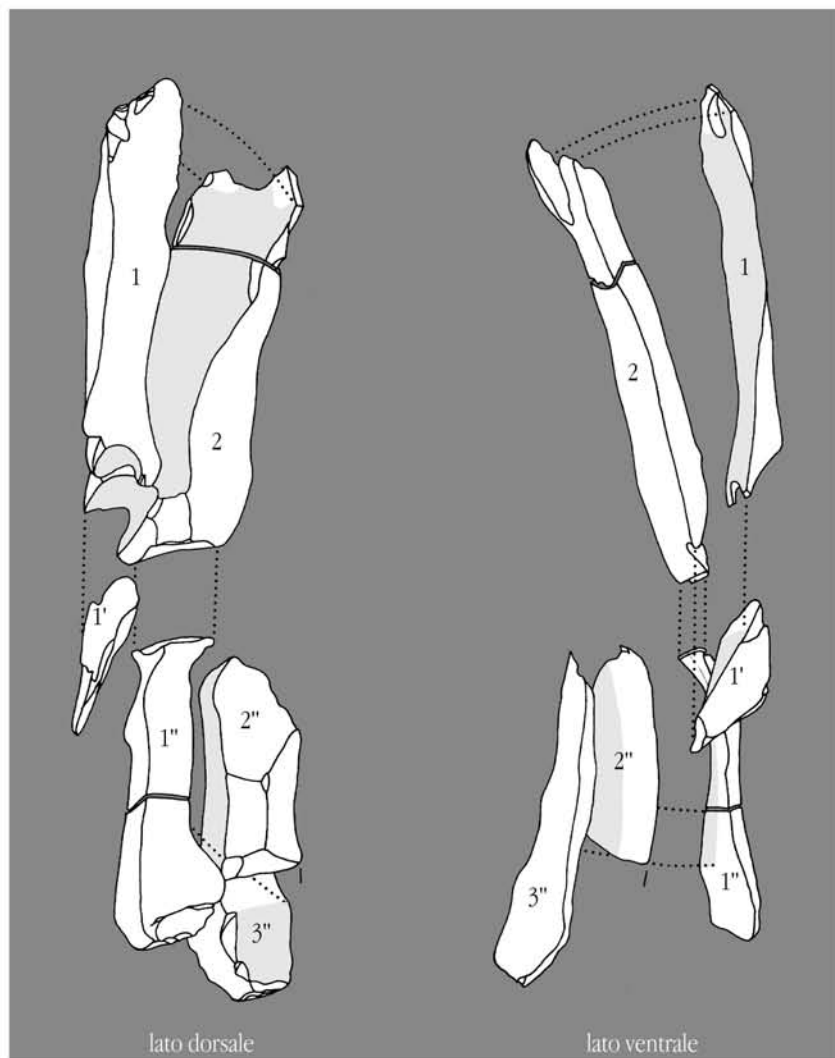
dis. K. Kompatscher

Annexe n°83
Riparo Dalmeri
 Dessins et Remontages réalisés par K. et N. Kompatscher



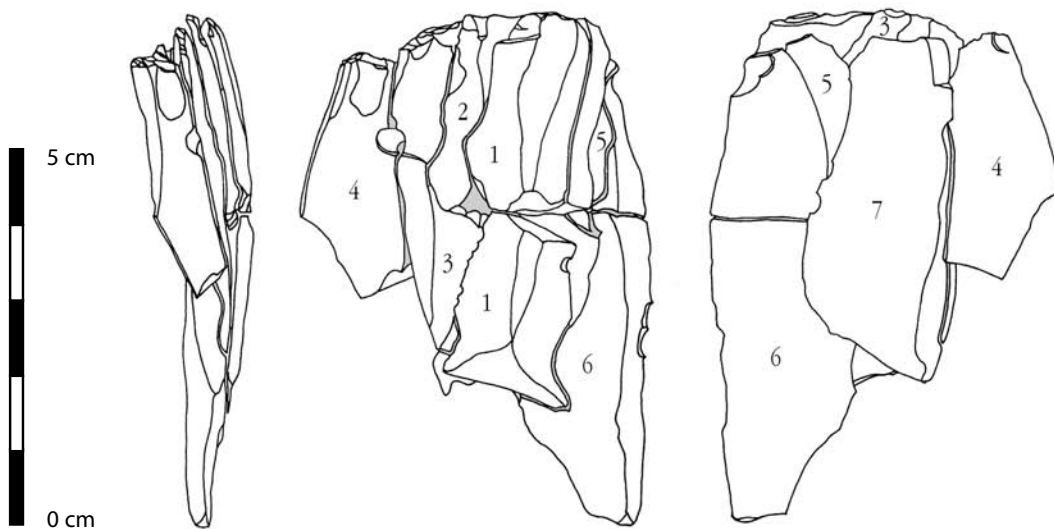
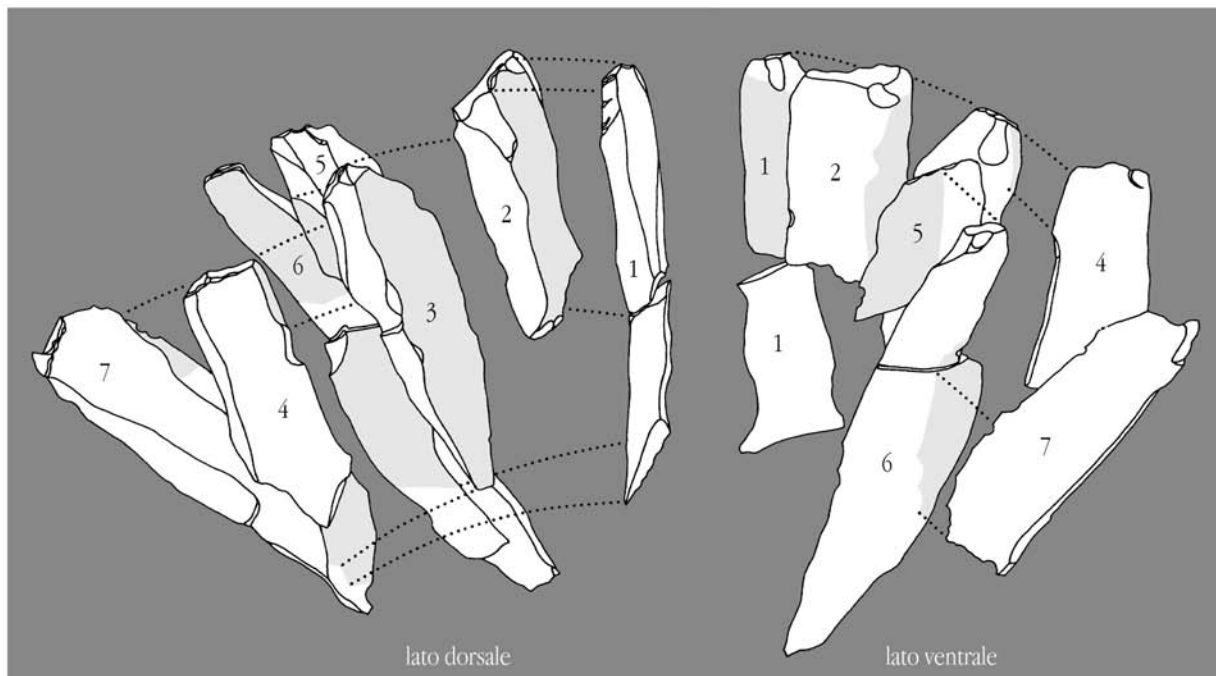
Riparo Dalmeri: U.S. 26b - rimontaggio - sequenza 207 (grand. nat.)

Annexe n°84
Riparo Dalmeri
Dessins et Remontages réalisés par K. et N. Kompatscher



Riparo Dalmeri: U.S. 26b - rimontaggio - sequenza 205 (grand. nat.)

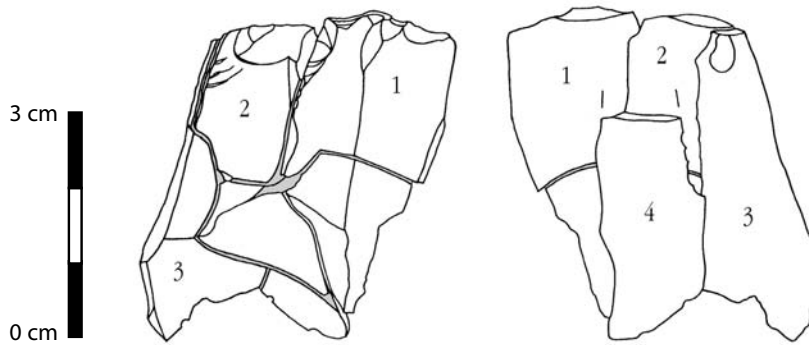
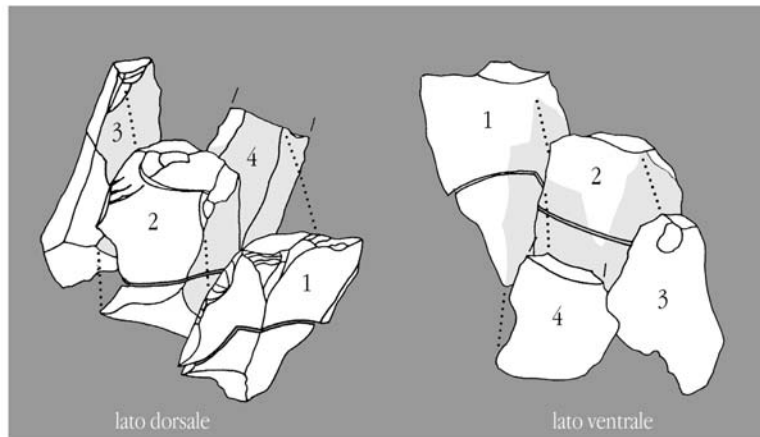
Annexe n°85 - Riparo Dalmeri
 Dessins et Remontages réalisés par K. et N. Kompatscher



Riparo Dalmeri: U.S. 26b - rimontaggio - sequenza 208 (grand. nat.)

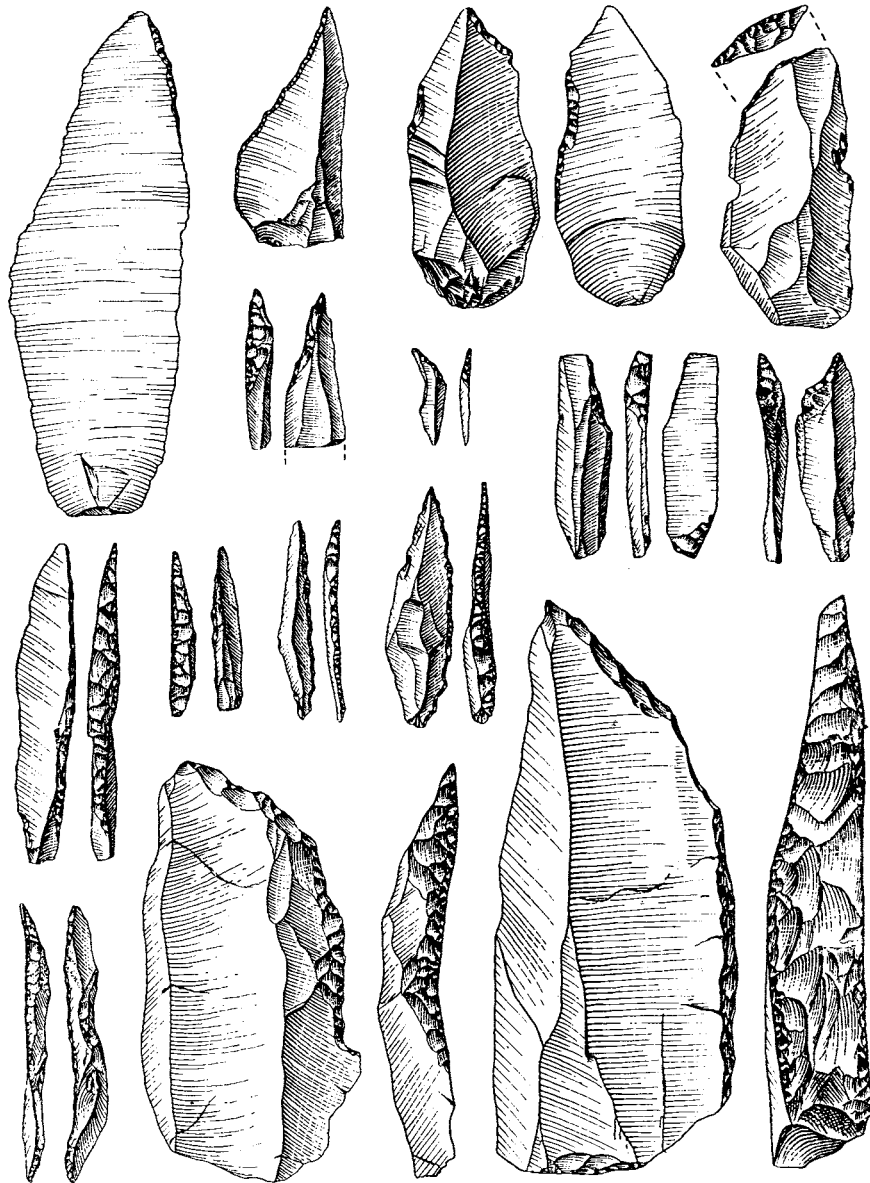
dis. K. Kompatscher

Annexe n°86
 Riparo Dalmeri
 Dessins et Remontages réalisés par K. et N. Kompatscher

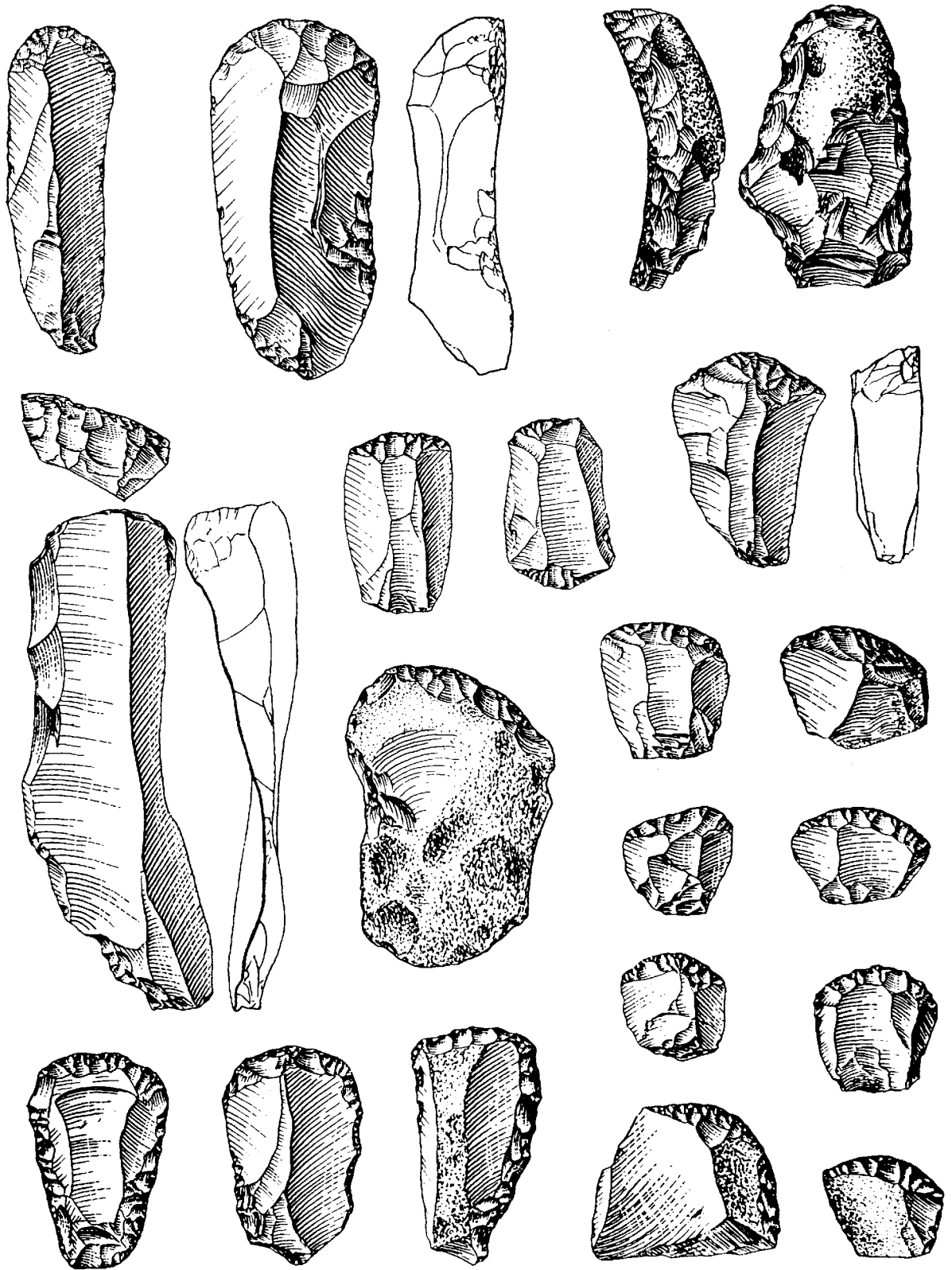


Riparo Dalmeri: U.S. 26b - rimontaggio - sequenza 204 (grand. nat.)

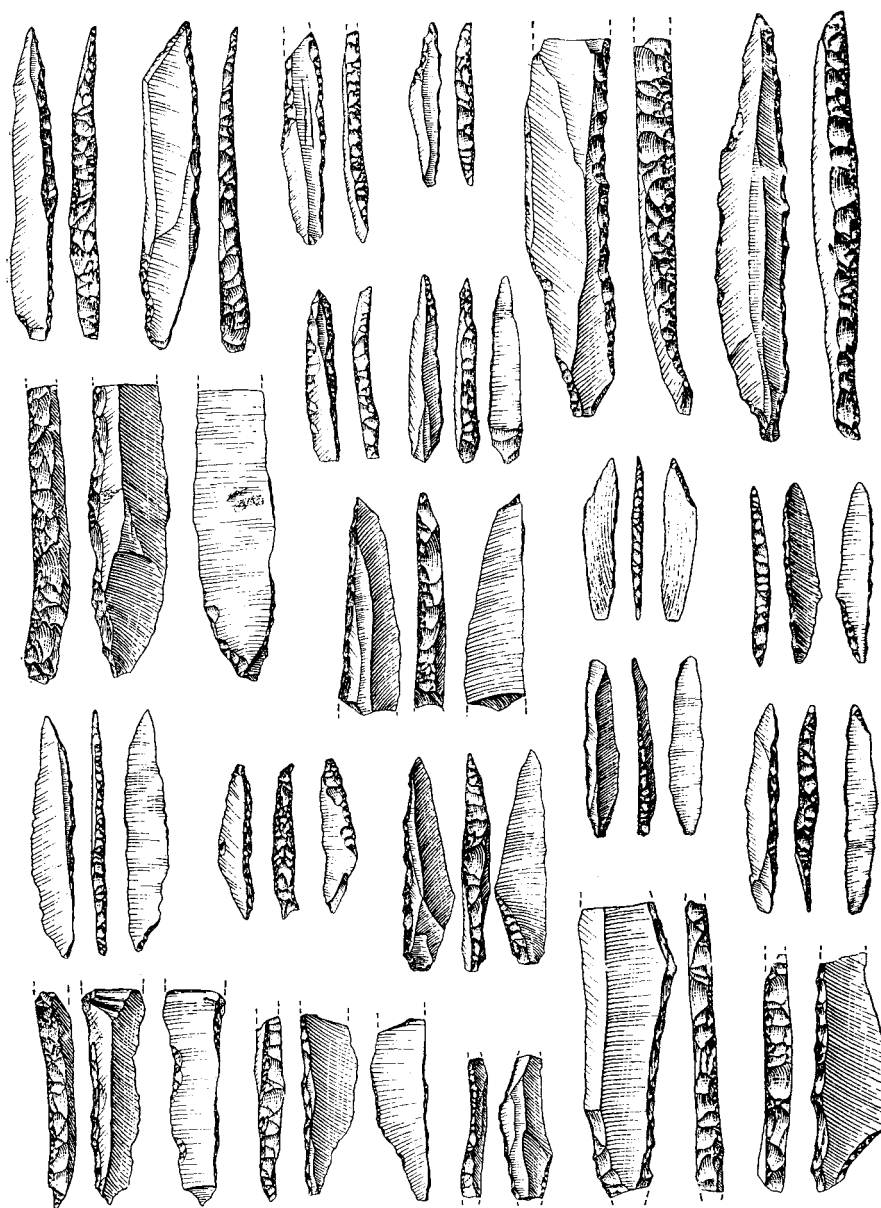
Annexe n°87
Riparo Dalmeri
 Dessins et Remontages réalisés par K. et N. Kompatscher



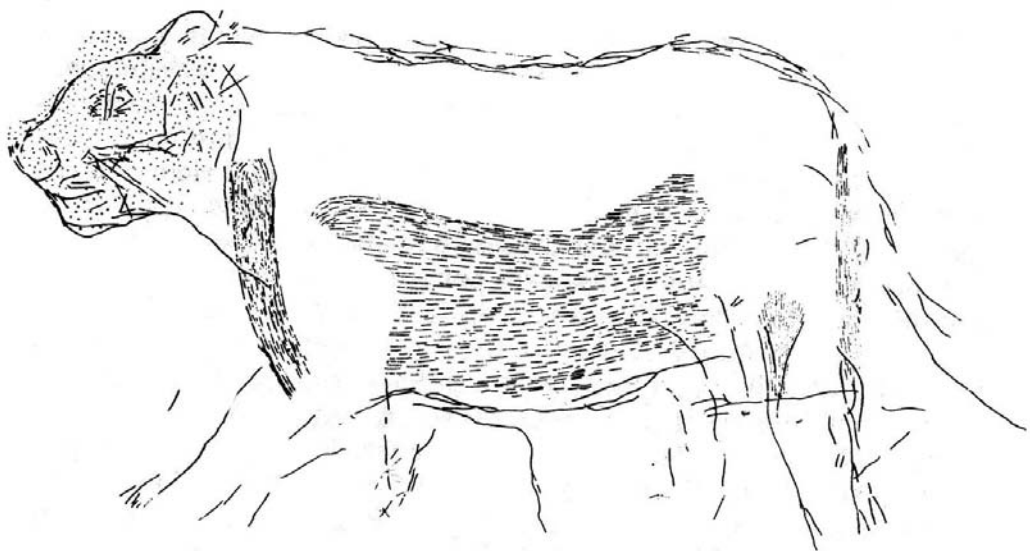
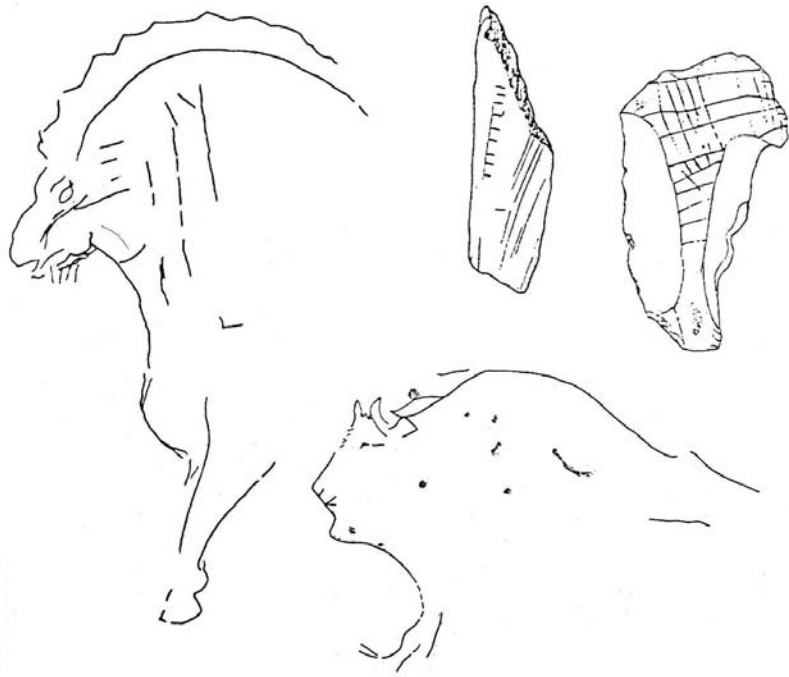
Annexe n°88 - Abri Battaglia - Couteaux à dos, lames retouchées et Pointes à dos
Grandeur naturelle - (Dessins A. Broglio, 1964)



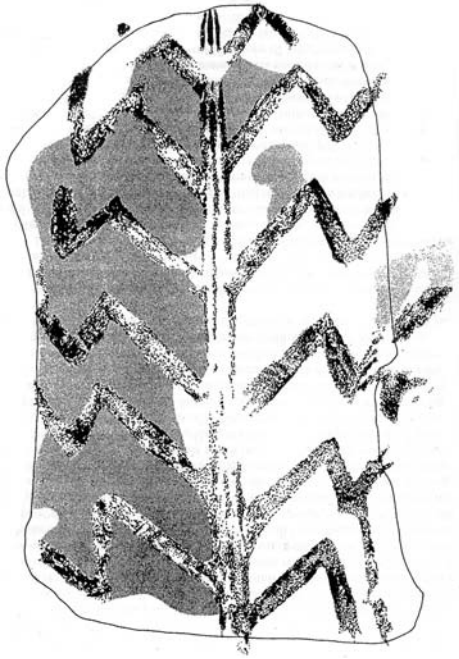
Annexe n°89 - Abri Battaglia - Grattoirs
Grandeur naturelle - (Dessins A. Broglio, 1964)



Annexe n°90 - Abri Battaglia - Pointes à dos
Grandeur naturelle - (Dessins A. Broglio, 1964)



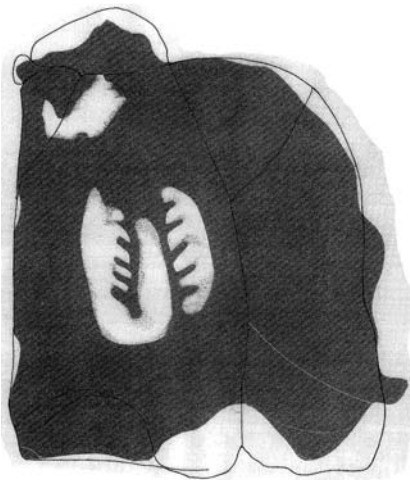
Annexe n°91 - Art mobilier - Figures gravées de l'abri Tagliente



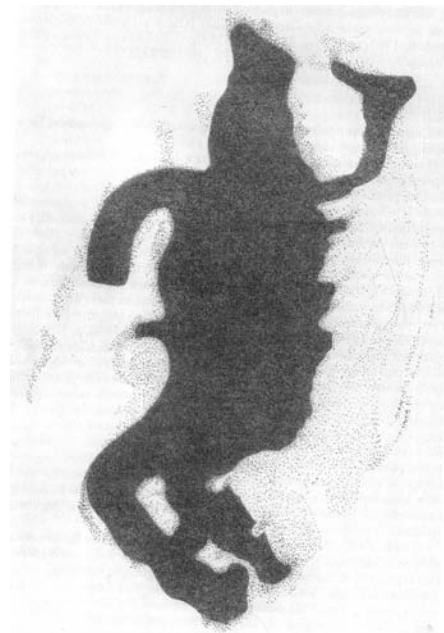
Riparo Villabruna pierre n°2
(dalles de couverture de la sépulture)



Riparo Villabruna pierre n°3
(dalles de couverture de la sépulture)



Riparo Villabruna pierre n°4
(dalles de couverture de la sépulture)



Riparo Villabruna pierre n°5
(dalles de couverture de la sépulture)



Bovidé



Phytoforme