

appendix I

NO VARIABLE	CATEGORY	SCORE	NO VARIABLE	CATEGORY	SCORE
SITE FILE					
1 Site	Hekelingen III	1		multiple scraper on blade	160
	Leidschendam	2		composite tool on blade	170
	Beek-Molensteeg	3		endscraper on blade	171
	Leilan	4		flake (2.)	
	Belvédère	5		unretouched (2.0)	
2 Individual	0-9999			straight	210
				convex	220
				concave	230
3 NS coordinates/house	0-99			retouch \geq 1 mm (2.1)	
				straight	211
4 EW coordinates/pit	0-999			convex	221
				concave	231
5 Layer/height	0-9			retouch < 1 mm (2.2)	
				straight	212
6 Length	0-999.9 mm			convex	222
				concave	232
7 Width	0-999.9 mm			thumbnail scraper	224
				multiple scraper on flake	260
8 Thickness	0-999.9 mm			composite tool on flake	270
				endscraper on flake	271
9 Weight	0-999.9 gram			core (3..)	
				unretouched (3.0)	
				straight	310
				convex	320
				concave	330
				retouch \geq 1 mm (3.1)	
				straight	311
				convex	321
				concave	331
				retouch < 1 mm (3.2)	
				straight	312
				convex	322
				concave	332
				polyhedral blade core	351
				blade core with two platforms	352
10 Primary classification	flake blade core waste splinter core fragment other unsure rejuvenation platform: tabular, faceted tabular, not faceted rejuvenation coreface: parallel perpendicular crested blade decortication flake	1		discoidal	353
		2		flake core	354
		3		exhausted flake core	355
		4		unsure	359
		5		waste (4..)	
		6		unretouched (4.0)	
		8		straight	410
		9		convex	420
		10		concave	430
		11		retouch \geq 1 mm (4.1)	
		12		straight	411
		13		convex	421
		14		concave	431
		15		retouch < 1 mm (4.2)	
				straight	412
11 Typology	blade (1..) unretouched (1.0) straight convex concave retouch \geq 1 mm (1.1) straight convex concave retouch < 1 mm (1.2) straight convex concave	110		straight	411
		120		convex	421
		130		concave	431
		111		retouch \geq 1 mm (1.1)	
		121		straight	411
		131		convex	421
		112		concave	431
		122		retouch < 1 mm (1.2)	
		132		straight	412
				convex	422
				concave	432

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	convex	422	17 Grain-size	coarse	1
	concave	432		medium	2
	multiple scraper on waste	460		fine	3
	transverse arrowhead	510		glass-like	4
	truncated blade	520		unsure	9
	backed blade	530	18 Fragment	complete	1
	lanceolate point	550		distal	2
	A-point	610		medial	3
	B-point	620		proximal	4
	axe	710		along length	5
	tranchet axe	711		potlitted	6
	barbed arrow head	720		not applicable	8
	leafshaped arrow head	730		unsure	9
	dagger	740	19 Hafting	absent	1
	borer	750		retouch	2
	point	760		notch	3
	LBK-point	770		bitumen	4
	not applicable	800		with leather (experiments only)	5
	quartier d'orange	850		with bone/wood (experiments only)	6
	crescent-shaped sickle	890		not examined	7
	unsure	900		not interpretable	8
12 Cortex	none	1		unsure	9
	entire	2	20 Percussion	hard hammer	1
	dorsal \geq 50%	3		soft hammer	2
	dorsal < 50%	4		not applicable	8
	on platform	5		unsure	9
	ventral	6	21 State distal end	feather	1
	ventral + dorsal \geq 50%	7		hinge	2
	ventral + dorsal < 50%	8		reverse hinge	3
	dorsal \geq 50% + on platform	10		with distal end core	4
	dorsal < 50% + on platform	9		with cortex on distal end step	5
	ventral + dorsal < 50% + on platform	11		not applicable (broken)	8
				unsure	9
13 'Patina'	not patinated	1	22 Surface platform	smooth	1
	lightly patinated	2		facetted	2
	heavy gloss patina	3		cortex	3
	unsure	9		battered	4
14 Polished fragment	not	1		not applicable	8
	dorsal \geq 50%	2		unsure	9
	dorsal < 50%	3	23 Dorsal face preparation	abraded	1
15 Burned	not burned	1		microretouched	2
	glossy	2		not applicable	8
	red spots	3		unsure	9
	craquele	4	24 Number of negatives	1-99	
	unsure	9	25 Number of PUAs	0-10	
16 Raw material	Hekelingen group 1	1	MACRO-FILE		
	group 2	2	26 PUA no.	0-10	
	group 3	3	27 Location PUA	polar coördinates 1-17	
	Rijckholt	4	28 Observed phenomenon	retouch \geq 1 mm	1
	rolled material	5		retouch < 1 mm	2
	northern, moraine flint	6			
	Hekelingen group 4	7			
	other	8			
	unsure	9			
	light-grey Belgian	10			
	Valkenburg	11			
	Cap Blanc Nez	12			
	North Sea flint	13			
	Kristiansstad	14			

NO VARIABLE	CATEGORY	SCORE
29 Edge angle	0-360	
30 Shape surfaces	straight	11
	convex	22
	concave	33
	(first central than dorsal)	
31 Shape edge	straight	1
	convex	2
	concave	3
	irregular	4
	broken	5
	slightly convex	6
	slightly concave	7
	pointed	8
32 Outline edge	not applicable	0
	serrated	1
	denticulated	2
	encoche	3
	cran	4
	epaulement	5
	museau	6
	languette	7
	pedoncule	8
	soie	9
33 Form cross-section	straight	1
	convex	2
	concave	3
	wavy	4
	irregular	5
	slightly concave	6
	unsure	9
34 Location retouch	ventral only	1
	dorsal only	2
	dorsal + ventral alternating	3
	dorsal + ventral bifacial	4
35 Distribution retouch	overlapping	1
	close/regular	2
	close/irregular	3
	wide/regular	4
	wide/irregular	5
	not applicable	8
36 Width retouch	0-99.9 mm	
37 Form retouch 1	scalar well-defined	1
	scalar vague	2
	lamellar	3
	half moon	4
	trapezoidal/square	5
	other	8
	unsure	9
	polish	3
	straight cross-section	4
	ground-axe fragment	5
	protruding point	6

NO VARIABLE	CATEGORY	SCORE
38 Form retouch 2	scalar well-defined	1
	scalar vague	2
	lamellar	3
	half moon	4
	trapezoidal/square	5
	other	8
	unsure	9
39 Termination retouch 1	step	1
	hinge	2
	feather	3
	snap	4
	other	8
	unsure	9
40 Termination retouch 2	step	1
	hinge	2
	feather	3
	snap	4
	other	8
	unsure	9
41 Secondary modifications	no	1
	light	2
	medium	3
	heavy	4
	burned	5
	interpretable = 0	
	not interpretable = 9	
42 Degree of wear	no traces	1
	lightly worn	2
	medium worn	3
	heavily worn	4
	lightly + possibly resharpened	5
	probably used	6
	perhaps hafting	7
	not interpretable	8
	unsure	9
43 Number of AUAs	0-9	
MICRO-FILE		
44 PUA no.	0-99	
45 AUA no.	0-9	
46 Location AUA	polar coordinates 0-17	
47 'Use-retouch' location	ventral	1
	dorsal	2
	dorsal + ventral alternating	3
	dorsal + ventral bifacial	4
48 'Use-retouch' distribution	overlapping	1
	close/regular	2
	close/irregular	3
	wide/regular	4
	wide/irregular	5
	one impact scar	6

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49 'Use-retouch' width	0-999 mm		58 Polish topography	domed	1
50 'Use-retouch' form	scalar well-defined	1		flat	2
	scalar vague	2		corrugated	3
	lamellar	3		cratered	4
	half moon	4		pitted	5
	trapezoidal/square	5		bubbly	6
	other	8		comet tails	7
	unsure	9		not applicable	8
51 'Use-retouch' termination	step	1		pitted and comet tails	9
	hinge	2		beveled	10
	feather	3	59 Polish width	0-9999 μ	
	snap	4	60 Polish directionality	absent	1
	other	8		linear perpendicular	2
	unsure	9		linear parallel	3
52 Edge-rounding	sharp	11		linear diagonal	4
	slightly rounded	22		random	5
	very rounded	33	61 Contact-material inferred	bone	1
	nibbled	44		soft plant	2
	(first ventral than dorsal)			wood	3
53 Polish location	dorsal + ventral, but dorsal more	1		sickle-gloss	4
	dorsal + ventral, but ventral more	2		'sickle-gloss'-like	5
	dorsal + ventral equal	3		dry hide	6
	only dorsal	4		fresh hide	7
	only ventral	5		hide unspecified	8
54 Polish distribution	scintillation	1		antler	9
	on protruding points	2		bone/antler	10
	reticulated	3		meat	11
	snowlandscape	4		shell	12
	isolated spots	5		fish	13
	thin line along edge	6		fired pottery	14
	band along edge	7		clay/pottery	15
	band away from edge	8		soft stone	16
	other	9		hard material	17
	spread	10		soft material	18
	greasy lustre	11		soft animal material	19
	streaks of polish	12		hard animal material	20
	isolated spots + streaks	13		tooth	21
55 Polish contrast	great	1	62 Degree of certainty	'certain' inference	1
	medium	2		'uncertain' inference	2
	little	3		not applicable	8
56 Polish texture	smooth	1	63 Striations location	dorsal + ventral, but dorsal more	1
	smooth and greasy	2		dorsal + ventral, but ventral more	2
	smooth and matt	3		dorsal + ventral equal	3
	rough	4		only dorsal	4
	rough and greasy	5		only ventral	5
	rough and matt	6	64 Striations definition	deep/short/narrow	1
	not applicable	8		deep/short/wide	2
57 Polish brightness	very bright	1		deep/long/narrow	3
	bright	2		deep/long/wide	4
	dull	3		shallow/short/narrow	5
	not applicable	8			

NO VARIABLE	CATEGORY	SCORE
	shallow/short/wide	6
	shallow/long/narrow	7
	shallow/long/wide	8
	filled in	9
65 Striations direction	parallel	1
	perpendicular	2
	diagonal	3
	random	4
	unsure	9
66 Motion inferred	scraping	1
	cutting/sawing	2
	boring	3
	carving/engraving	4
	projectile	5
	hafting	6
	shaving	7
	planing	8
	unsure	9
	whittling	10
	adzing	11
	longitudinal	12

NO VARIABLE	CATEGORY	SCORE
	transverse	13
	splitting	14
	piercing	15
	wedging	16
67 Degree of certainty	'certain' inference	1
	'uncertain' inference	2
	not applicable	8

FOR EXPERIMENTS ONLY

68 Contact of surface	ventral + dorsal	1
	ventral	2
	dorsal	3
69 Effectiveness	very	1
	mediocre	2
	inappropriate	3
70 Exhaustion	still effective	1
	exhausted	2
	not applicable	8