

Table 4.1 Heat Retainer Hearth and Mound Uncalibrated Radiocarbon Dates from the Darling River and Hinterland

landform	Feature	Sample type	date BP	number	Reference
Cobar pediplain	HRH	Charcoal RC	960 ± 50	Wk 8357	Witter 2000
Cobar pediplain	HRH	Charcoal RC	930 ± 45	Wk 8353	Witter 2000
Cobar pediplain	HRH	Charcoal RC	750 ± 50	Wk 8359	Witter 2000
Cobar pediplain	HRH	Charcoal RC	1190 ± 50	Wk 8360	Witter 2000
Cobar pediplain	HRH	Charcoal RC	430 ± 60	Wk 8356	Witter 2000
Broken Hill Ranges	HRH	Charcoal RC	5830 ± 90		Martin 1995:75
Broken Hill Ranges	HRH	Charcoal RC	600 ± 50		Martin 1995:75
Tibooburra	HRH	Charcoal RC	220 ± 55		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	380 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	450 ± 120		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	470 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	580 ± 60		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	630 ± 130		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	660 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	660 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	690 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	720 ± 55		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	790 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	820 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1170 ± 130		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1210 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1260 ± 40		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1260 ± 60		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1280 ± 60		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1290 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1300 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1310 ± 60		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1330 ± 150		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1350 ± 75		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1390 ± 70		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1410 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1440 ± 60		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1460 ± 50		Holdaway et al.2005
Tibooburra	HRH	Charcoal RC	1630 ± 50		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	Modern		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	213 ± 40		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	329 ± 47		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	898 ± 66		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	1857 ± 62		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	1963 ± 65		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	3130 ± 54		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	3327 ± 91		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	3383 ± 56		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	3385 ± 81		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	3392 ± 49		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	3467 ± 100		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	3549 ± 153		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	3661 ± 102		Holdaway et al.2005
Fowlers Creek	HRH	Charcoal RC	5243 ± 164		Holdaway et al.2005
Mulga Dam	HRH	Charcoal RC	218 ± 35		Holdaway et al.2005
Mulga Dam	HRH	Charcoal RC	238 ± 40		Holdaway et al.2005
Mulga Dam	HRH	Charcoal RC	380 ± 40		Holdaway et al.2005
Mulga Dam	HRH	Charcoal RC	960 ± 47		Holdaway et al.2005
Mulga Dam	HRH	Charcoal RC	990 ± 81		Holdaway et al.2005
Mulga Dam	HRH	Charcoal RC	1144 ± 45		Holdaway et al.2005
Nundooka	HRH	Charcoal RC	314 ± 39		Holdaway et al.2005
Nundooka	HRH	Charcoal RC	354 ± 39		Holdaway et al.2005
Nundooka	HRH	Charcoal RC	357 ± 53		Holdaway et al.2005
Nundooka	HRH	Charcoal RC	379 ± 46		Holdaway et al.2005
Nundooka	HRH	Charcoal RC	398 ± 111		Holdaway et al.2005
Nundooka	HRH	Charcoal RC	468 ± 38		Holdaway et al.2005
Nundooka	HRH	Charcoal RC	678 ± 37		Holdaway et al.2005
Nundooka	HRH	Charcoal RC	709 ± 128		Holdaway et al.2005
Nuntherungie	HRH	Charcoal RC	343 ± 50		Holdaway et al.2005

Appendix 4 Tables of Dates for Hearths and Mounds

Nuntherungie	HRH	Charcoal RC	468 +50		Holdaway et al.2005
Nuntherungie	HRH	Charcoal RC	514 +65		Holdaway et al.2005
Nuntherungie	HRH	Charcoal RC	957 + 44		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	modern		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	Modern		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	Modern		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	252 + 39		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	255 + 49		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	268 + 49		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	325 + 48		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	362 + 38		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	392 + 47		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	524 + 45		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	588 + 59		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	904 + 47		Holdaway et al.2005
Sandy Creek	HRH	Charcoal RC	1349 + 69		Holdaway et al.2005
Sandstone Tank	HRH	Charcoal RC	213 + 48		Holdaway et al.2005
Sandstone Tank	HRH	Charcoal RC	239 +45		Holdaway et al.2005
Sandstone Tank	HRH	Charcoal RC	404 +67		Holdaway et al.2005
Sandstone Tank	HRH	Charcoal RC	534 + 46		Holdaway et al.2005
Peery Creek	HRH	Charcoal RC	347 + 40		Holdaway et al.2005
Peery Creek	HRH	Charcoal RC	641 + 41		Holdaway et al.2005
Peery Creek	HRH	Charcoal RC	1351 + 53		Holdaway et al.2005
Peery Creek	HRH	Charcoal RC	1419 + 34		Holdaway et al.2005
Peery Creek	HRH	Charcoal RC	1423 + 57		Holdaway et al.2005
Peery Creek	HRH	Charcoal RC	1458 + 52		Holdaway et al.2005
Peery Creek	HRH	Charcoal RC	1510 + 47		Holdaway et al.2005
Peery Creek	HRH	Charcoal RC	1810 + 66		Holdaway et al.2005
Peery Creek	HRH	Charcoal RC	1826 + 44		Holdaway et al.2005
Yantara	HRH	Charcoal RC	26,200 ± 1100BP	Gak-2121	Dury & Langford-Smith 1970:73
Yantara	HRH	Charcoal RC	1270 + 140	ANU - 689	Barbetti&Polach73
Macquarie Marshes mound		Charcoal RC	1050 ± 90	SUA-2892	Balme & Beck 96
Currawinya Lakes	HRHclay	Charcoal RC	1150 + 80	Beta 34206	Robins 1996
Currawinya Lakes	HRHclay	Charcoal RC	1090 + 70 BP	Beta 33933	Robins 1996
Currawinya Lakes	HRH clay/stone	Charcoal RC	1730 +80	SUA 2942	Robins 1996
Currawinya Lakes	HRH clay/stone	Charcoal RC	880 + 70	Beta 33937	Robins 1996
Currawinya Lakes	HRHclay	Charcoal RC	400 + 110	Beta 33931	Robins 1996
Currawinya Lakes	HRHclay	Charcoal RC	430 + 70	Beta 35210	Robins 1996
Bunda Lake	HRHclay	Charcoal RC	3830 +110	SUA-1948	Bonhomme&Stanley
Bunda Lake	HRH sandstone	Charcoal RC	760 + 70	SUA-1627	Bonhomme&Stanley
Bunda Lake	HRHtermite	Charcoal RC	1020 + 70	SUA- 1626	Bonhomme&Stanley
Bunda Lake	HRHtermite	Charcoal RC	1800 + 140	SUA - 1628	Bonhomme&Stanley

Table 4.2 Heat Retainer Hearth Uncalibrated Radiocarbon Dates for the Willandra Lakes

Willandra Lakes	HRH c/s	Charcoal RC	modern	ANU 651	Barbetti&Polach73
Willandra Lakes	HRH c/s		1390 ± 80	ANU - 671	Barbetti&Polach73
Willandra Lakes	HRH		240 ± 60	ANU - 672	Barbetti&Polach73
Willandra Lakes	HRH		760 ± 150	ANU-659	Barbetti&Polach73
Willandra Lakes	HRHclay		940 ± 50	ANU - 660	Barbetti&Polach73
Willandra Lakes	HRH		1610 ±110	ANU - 661	Barbetti&Polach73
Willandra Lakes	HRH		950 + 120	ANU -663	Barbetti&Polach73
Willandra Lakes	HRH		2060 + 170	ANU - 664	Barbetti&Polach73
Willandra Lakes	HRH		4020 + 100	ANU - 665	Barbetti&Polach73
Willandra Lakes	HRH		740 + 70	ANU - 666	Barbetti&Polach73
Willandra Lakes	HRH	oven	26,270 + 470	ANU - 667	Barbetti&Polach73
Willandra Lakes	HRH		19,420 + 360	ANU -668	Barbetti&Polach73
Willandra Lakes	clay	oven	30,780 +520	ANU - 680	Barbetti&Polach73
Willandra Lakes	clay	oven	27,530 + 340	ANU-682	Barbetti&Polach73
Willandra Lakes	HRH		25,570 +520	ANU-686	Barbetti&Polach73
Willandra Lakes	HRH		1420 + 100	ANU - 653	Barbetti&Polach73
Willandra Lakes	HRH		220 + 60	ANU - 654	Barbetti&Polach73
Willandra Lakes	HRH		2010 + 100	ANU - 655	Barbetti&Polach73
Willandra Lakes	HRH		990 + 70	ANU - 674	Barbetti&Polach73
Willandra Lakes	HRH		750 + 70	ANU - 675	Barbetti&Polach73

Appendix 4 Tables of Dates for Hearths and Mounds

Willandra Lakes	HRH		2440 + 80	ANU - 678	Barbetti&Polach73
Willandra Lakes	HRH		3270 + 90	ANU - 679	Barbetti&Polach73
Willandra Lakes Not reliable ?	HRH carbonate	Organic residue RC	7860+-220		(Clark & Barbetti 1982:147).
Willandra Lakes	HRH TM	Charcoal RC	700 + 100		(Clark & Barbetti 1982:147).

Table 4.3 Heat Retainer Hearth and Mound Uncalibrated Radiocarbon and TL Dates for the Central Murray and Murrumbidgee Rivers (where multiple dates available for a mound highest and lowest dates are listed)

Central Murray River	HRH	Charcoal RC	1880 + 180 BP	ANU - 676	Barbetti&Polach73
Central Murray River	HRH	Charcoal RC	2400 + 140 BP	ANU - 677	Barbetti&Polach73
Central Murray River	HRH	Charcoal RC TL Baked clay	2582 ± 48 BP 2651 ± 275 BP	Oven Same feature as above	Downey & Frankel 1992
Murray/Wakool	Mound	Charcoal RC	2990 ± 100 BP	Beta-7068	Berryman & Frankel 1984:26}.
Murray/Wakool	Mound	Charcoal RC	2250 ± 105 BP	Beta-7065	Berryman & Frankel 1984:26.
Murray/Wakool	Mound	Charcoal RC	2490 ± 60 BP	Beta-7067	Berryman & Frankel 1984:26.
Central Murray	mound	Charcoal RC	800 ± 100 BP 1610 + 90 BP	SUA -1117 SUA -1118	Godfrey et al 1996
Central Murray	mound	Charcoal RC	250 ± 80 BP 1470 ± 90 BP	SUA - 1128 SUA - 1119	Godfrey et al 1996
Central Murray	mound	Charcoal RC	950 ± 80 BP 1000 ± 80 BP	SUA - 1916 SUA - 1930	Godfrey et al 1996
Central Murray	mound	Charcoal RC	1180 ± 150 BP	SUA - 1120	Godfrey et al 1996
Central Murray	mound	Charcoal RC	260 ± 70 BP 1000 ± 90 BP	SUA -1917 SUA -1241	Godfrey et al 1996
Central Murray - Nyah Forest Vic	mound	Charcoal RC	960 ± 80 BP 1375 ± 30 BP	SUA-996 SUA -998	Coutts et al 1979 (site DP/1)
Central Murray- Loddon River, Lake Boort, Vic	mound	Charcoal RC	775 ± 47 BP 2059 ± 46 BP	Wk-11145 Wk-11149	Johnston 2004 Boort Swamp 2
Murrumbidgee Gundaline	HRH	Charcoal RC	1310 + 50 BP	Wk 8750	Martin this thesis
Murrumbidgee Gundaline	HRH	Charcoal RC	440 + 70 BP	Wk 8751	Martin this thesis
Murrumbidgee Tchelry 1	mound	Bone AMS Charcoal RC	3730 +-240 4340+-160	Wk 4095 Wk 4101	Martin this thesis
Murrumbidgee Ravensworth 3	mound	Bone AMS Charcoal RC	3820 ± 36 BP 4109 ± 55 BP	Wk 17504 Wk 17489	Martin this thesis
Murrumbidgee CP 59/4/a & b	Low mound	Charcoal RC	440 ± 70 BP 650 ± 70 BP	ANU-8608 ANU-8609	Klaver 1998
Murrumbidgee CP 79	Low mound	Charcoal RC	680 + 60 BP 750 + 60 BP	ANU- 8605 ANU-8604	Klaver 1998
Murrumbidgee CP 116/D4/	Mound	Charcoal RC	450 ± 60 970 ± 70	ANU-8616 ANU-8603	Klaver 1998
Murrumbidgee CP 82/3BB/7/J	mound	Charcoal RC	420± 70 640 ± 60	ANU-8617 ANU-8618	Klaver 1998
Murrumbidgee CP 82/3BB/6/K	“core” HRH or mound?	Charcoal RC	2660 ± 70	ANU-8619	Klaver 1998
Murrumbidgee CP 82/4/1-2-3/C	mound	Charcoal RC	390 ± 70 960 ± 170	ANU-8620 ANU-8622	Klaver 1998

Table 4.4 Radiocarbon and Calibrated Ages for Excavated Sites from Klaver 1998

PLACE	SITE ID	AGE BP	CALIB.	LAB ID	DESCRIPTION
Cooley Point Lagoon, Murrumbidgee, between Carrathool & Hay	CP 59/4/b	650 ± 70	1333 ± 45 AD	ANU-8609	Low mound
	CP 59/4/a	440 ± 70	1484 + 74 AD	ANU-8608	As above
	CP 79/3/A	750 + 60	1250 + 53 AD	ANU-8604	low mound
	CP 79/3/B	680 + 60	1319 + 46 AD	ANU-8605	As above
	CP116/D4/5	550±50	1369 + 42 AD	ANU-8614	Low mound
	CP116/D4/6	530 ± 70	1384 + 56 AD	ANU-8615	As above

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	CP 116/D4/7	450 ± 60	1468 +65 AD	ANU-8616	As above
	CP116/D4/9	970 ±50	1075 + 57 AD	ANU-8612	As above
	CP 116/D4/11/12	970 ±70	1076 +73 AD	ANU-8603	Base, bark in pit
	CP 116/D3/3	740±60	1260 + 53 AD	ANU-8613	As above
	CP 116/D3/8	500 ±70	1412 +66 AD	ANU-8611	As above
	CP 82/3BB/7/J	640 ± 60		ANU-8618	mound
	CP 82/3BB1-2/H	420± 70	1505 + 71 AD	ANU-8617	As above
	CP 82/3BB/6/K	2660 ± 70	840 +79 BC	ANU-8619	Small 'core' of mound ?? water washed heat retainer?
	CP 82/4/2-3/B	740 ± 70	1257 + 66 AD	ANU-8621	As above
	CP 82/4/1-2-3/C	960 ± 170	1047 + 155AD	ANU-8622	As above
	CP 82/4/1-2/D	390 ± 70	1528 +72 AD	ANU-8623	As above
	CP 82/4/4-1/A	390 ± 60	1525 +64 AD	ANU-8620	As above
	CP 82/4/6/E	650 ± 60	1334 +41 AD	ANU-8624	As above
	CP 82/6D/7/F	690 ± 60	1312 +48 AD	ANU-8625	Adjacent trench
	CP 82/6D/2/G	490 ± 60	1419 + 57 AD	ANU-8626	Adjacent trench
	CP79/3/A	750 ± 60	1250 +53 AD	ANU-8604	Scatter near 82
	CP79/3/B	680 ± 60	1319 + 46 AD	ANU-8605	Scatter near 82
	CP5/A2/5/a	470 ± 70	1448 +74 AD	ANU-8607	midden -river bank
	CP5/A2/3ab	460 ± 60	1456 + 64 AD	ANU-8606	As above
Colombo Creek, far south-east Riverine Plain	CC31/1	2520 ± 70	634 +106 BC	ANU-8610	Mound -residual
	CC5/lev 1 (CC32)	2940 ± 170	1167 +196 BC	ANU-7881	oven
	CC36/lev 4	2720 ± 90	908 +100 B C	ANU-7879	oven
	CC36/lev 2/d	2890 ± 90	1105 +124 BC	ANU-7880	oven

<i>Table 5.1.1 Ravensworth 3 Core Data and Surface Elevation along Transect</i>					
		Distance in metres	palaeosoil surface	ground surface	mound surface
C6(west)	sandy beach	0	0.52	1	
C5	lip of lake bank	5	0.5	1.2	
		10	0.6	1.23	
		15	0.7	1.24	
		20	0.8	1.26	
		25	0.9	1.27	
		30	1	1.28	
		35	1.1	1.3	
		40	1.2	1.35	
		45	1.2	1.4	
		50	1.2	1.43	
		55	1.2	1.45	
		60	1.2	1.48	
		65	1.2	1.5	
		70	1.2	1.55	
C4	flat	75	1.23	1.57	
		80	1.3	1.6	
		85	1.37	1.65	
		90	1.45	1.75	
		95	1.5	1.8	
C3	mound edge	100	1.55	1.82	1.82
		105	1.6	1.95	1.95
		110	1.65	2.1	2.1
		115	1.7	2.3	2.3
		120	1.75	2.5	2.5
		125	1.78	2.7	2.7
C17	mound slope	130	1.8	2.94	2.94

Appendix 5.1 Ravensworth 3 Survey Data

C2	mound top	135	1.83	3.2	3.2
		140	1.82	3.22	3.22
		145	1.81	3.23	3.23
A4	mound top	150	1.8	3.24	3.24
C1	mound top	155	1.79	3.28	3.28
		160	1.77	3.5	
C7	bulldozer cut	165	1.75	3.88	
		170	1.75	3	
C8	cut slope	175	1.74	2.36	
C9	cut bottom	180	1.74	1.76	
		185	1.73	2.5	
C10	cut top	190	1.73	3.47	
		195	1.72	3.2	3.2
C11	disturbed top	200	1.72	3.08	3.08
C12	mound top	205	1.71	2.87	2.87
		210	1.71	2.6	2.6
		215	1.7	2.3	2.3
C13	mound edge	220	1.69	2.05	2.05
		225	1.6	1.95	1.95
		230	1.5	1.9	
		235	1.4	1.85	
		240	1.3	1.8	
C14 (east)	flat	245	1.27	1.73	

Table 5.1.2 Ravensworth 3 Core Data

	A2-palaeosoil	A1-palaeosoil	orange sand	L-grey clay	U-grey clay w. sand	black sand	M2-Mound	M1-Mound	Ao-Humic Layer	57- ground surface elevation in cm
C6 (west)		5		32		16			5	0
C5	5	39		21	30				6	20
C4		0		16	15				4	57
C3		5		22				7	3	82
C17		5	10				27	72	10	194
C2		5	10				58	68	6	220
C1		5					65	75	5	228
C12		5					37	74	10	187
C15		5					21	79	11	187
C16		5					48	21	7	135
C13		5					8	18	0	105
C14 (east)		5		42				2	6	73

Table 5.1.3 Ravensworth 3 Complex Survey

name	length	Width	height	matrix	contents
R1a	20m EW	17mNS	20cm	Light beige sandy (part natural?)	Heat retainers
R1b	40mEW	37mNS	50cm	Light grey in exposures	Large heat retainers
R1c	57m NS	52m EW	80cm	Light to medium grey in exposures	Bird bone, qtz & silcrete artefacts
R2	66m NS	45m EW	100cm	Medium to dark grey in exposures	Mussel, bird, eggshell, 3 burials +, heat retainer
R3	112 EW	70m NS	1.45cm	Dark grey to black	Heat retainers, artefacts, mussel, bird, small mammal, turtle
R4	29m NS	28.6 EW	45cm	Beige to pale grey with areas of dark grey	High% small heat retainers, silcrete artefacts around scalded edges
R5	43.6 EW	35.6 NS	70cm	Pale to medium grey	Bird, turtle shell, qtz flakes, high% heat retainer
name	length	Width	height	matrix	contents

Appendix 5.1 Ravensworth 3 Survey Data

R6a (lake 2)	120 m NS	60m EW	30-40cm	Pale to medium grey	Burials in two areas, stone artefacts, faunal remains, high%of heat retainer in exposures
R6b (lake 2)	36m EW	36m NS	30cm	Pale beige to pale grey in recent exposures	Mussel, bird, yabbie gastro, burnt bone, qtzite mortar, 20mx20m area of burials (ripped)
R6c (lake 2)	16 m EW	16m EW	20cm	Pale grey to beige	Heat retainer
R7 (lake 3)	80m NS	45m EW	10-50cm	Pale grey to beige, series of low mounds	Heat retainer, faunal
R8 (lake 3)					Distinct burial area, ripped, estimated 5-20 fragmented individuals
R9a (lake 4)	60m NS	30m EW	50cm	Pale to medium grey	Faunal remains, clay casts, heat retainer, artefacts including grinding dish fragment & qtz & silcrete microblades
R9b (lake 4)	40m NS	30m NS	30cm	Pale to medium grey	Faunal remains, heat retainer, artefacts
R 12 (lake 1)	50m NS	10m EW	0	On lake beach	Scatter of heat retainer and artefacts (sampled)
The Mount	200m NS	100m EW	80cm +	Pale to dark ashy grey	mussel, yabbie, bird bone, other bone, heat retainer, artefacts

Ravensworth 3 Square A: Charcoal Weight by Excavation Spit

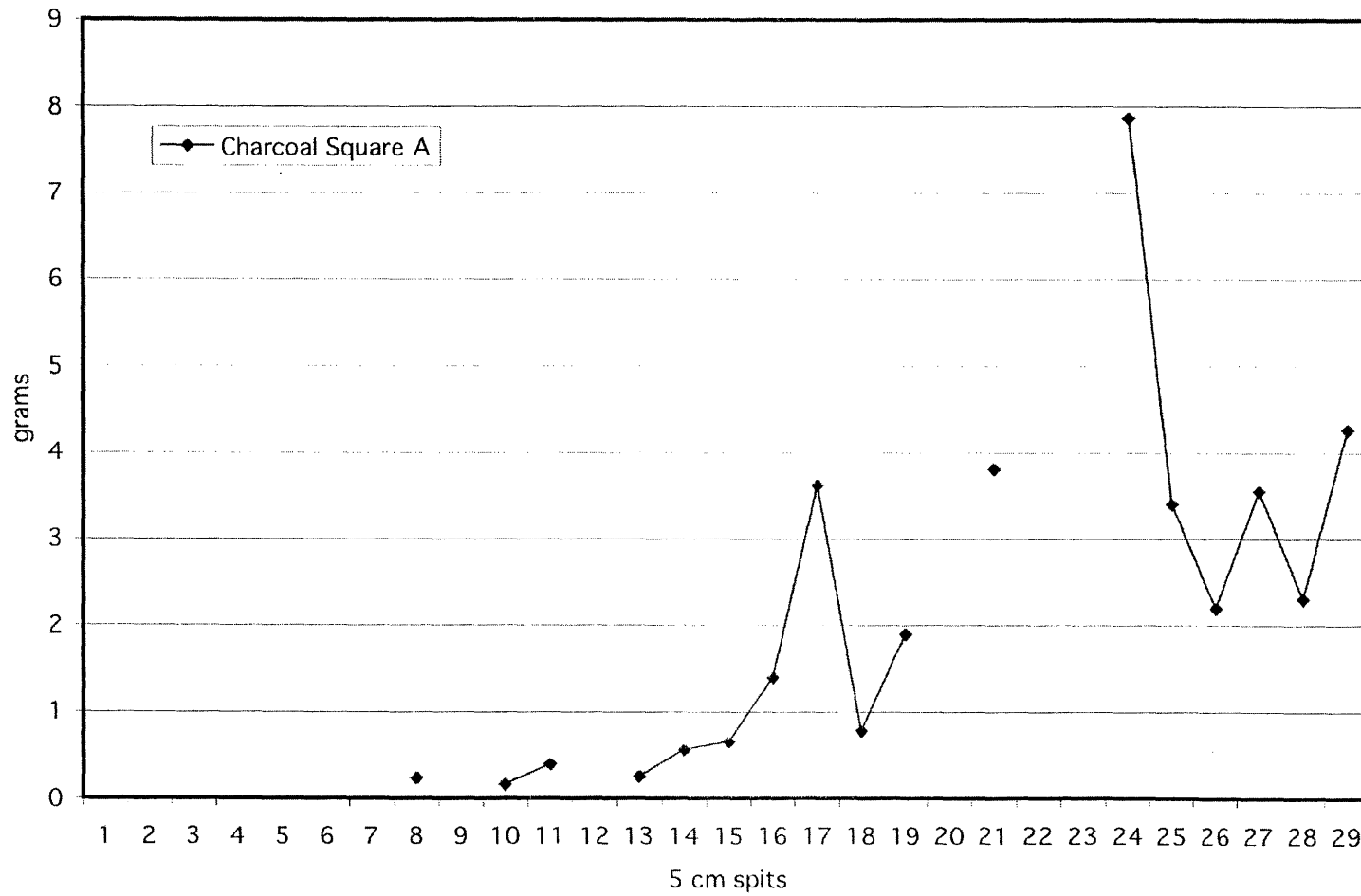


TABLE 5.1.4 CHARCOAL SAMPLES FROM RAVENSWORTH 3 AND TCHELERY 1

Spit number	Sample number	Image number	comment prior to dissection	SEM View	ID from Beth Gott.....
R3 B:24	1	S1A	Rhizome?	T x 55	Parenchyma with fibre bundles and monocot vascular bundles enclosed in heavy fibres. Consistent with Typha rhizome, or flowering stem – need morphology of original
		S1B		L? x 110	
		S1C		As above x 500	
T 1 A:28	2	S2A	“Bulb”, round, 11mm diameter	T & L X110	Consistent with Bolboscheonus sp? medianus? but surface layer TS needed to be sure
		S2B	Outer coat	x75	
		S2C	Cross section	x110	
		S2D		As above x 430	
R3 B:24	3	S3A	Rhizome?	L X 350	As for S1
		S3B		T x 150	
R3 A:16	4	S4A	Seed?	L x 110	Need to see whole specimen
		S4B		R? x120	
		S4C		T x 75	
		S4D	Outer coat	X 25	
R3 B:24	5	S5A	Reed stem ?# outside	X110	Possibly grass or Phragmites
R3 A:25	6	S6A	Rhizome? Surface feature	X 37	? possibly a young root arising from a rhizome ? Triglochin?
		S6B		L? x110	
		S6C		T x 50	

Appendix 5.2 Ravensworth 3 Charcoal ID

		S6D		X 110	
R3 B:19	7	S7A	Rhizome ?	T x 120	? young root arising from rhizome – fibre bundles consistent with Typha
		S7B	Outer feature	X 50	
		S7C		R? x 75	
T 1 C:29	8	S8A	Wood?	L & T x150	Wood, few vessels, mostly tracheids Probably dicot, showing annual rings which seem to indicate stable climatic conditions – Acacia?
		S8B	“Rings”	T x 55	
		S8C		As above x 230	
R3 A:28	9	S9A	Rhizome?	R? x 160	Monocot fibre bundles – as for S1
		S9B		T x 75	
		S9C		L x 130	
R3 A:25	10	S10A	Rhizome?	L x 350	As for S1
		S10B		R? x 270	
		S10C		T x 130	
R3 A:21	11	S11A	Wood	L x 90	wood
		S11B		T x 110	
R3 B:24	12	S12A	Wood	L x 110	wood
		S12B		R? x 110	
		S12C		T x 110	
R3 A:25	13	S13A	Root?	X 110	wood
R3 B:18	14	S14A	“Bulb”, round, diameter 10mm	Cross section x 110	Parenchyma, probably storage tissues, with air spaces
		S14B		As above x 230	

Table 5.2 Ravensworth 3 Faunal Remains

5cm spit	bird bone	turtle	fish	yabbie	mussel	rat	bandicoot	bettong	bilby	wombat	kangaroo	goanna	small mammal	large mammal	egg shell	emu shell
1	x			x	T											
2	x				T											
3	x	x			T						x#					
4	x			x	T											
5	x	x	x		x	x							x			
6	x	x	x		T	x										
7	x	x	x		x	x							x			
8	x	x	x		x	x									x	
9	x	x	x	x	x	x							x			
10	x	x	x	x	x	x							x			
11	x	x	x	x	x	x							x			
12	x				x	x	x								x	
13	x	x	x	x	x	x									x	
14	x	x	x		x	x									x	
15	x		x	x	x	x							x		x	
16	x	x	x		x	x									x	
17	x	x	x	x	x	x							x			
18	x		x		x	x			bilby							
19	x	x	x		x	x										
20	x															
21	x	x	x		x	x	x						x			
22	x															
23	x															
24	x	x	x		x	x			copro							
25	x	x			x	x	x						x			
26	x				T								x			

Appendix 5.3 Ravensworth 3 Faunal Remains

27	x		x		T	x				lites					x			
28	x		x		T	x												
29	x		x			x									x*			
30																		
					T=trace										*small macropod tooth			
													# large macropod tooth fragment					

Table 5.4.1 Ravensworth 3 Stone Artefact Average and Maximum Length and Thickness

	total artefact	whole flake	whole flake	flake
	average length	average length	maximum length	average thickness
R3 Lake	26.3	23.5	65	5.6
R3 A:1	9.8	11.9	14.5	3.5
R3 A:2	14.5	15	29	4.2
R3 A:3	9.6	9.8	15	2.7
R3 A:4	10.5	11.3	19	3
R3 A:5	10	10.7	16	3.2
R3 A:6	10.7	11	22	2.9
R3 A:7	11	11.6	28	3.6
R3 A:8	11.6	13	37	3.6
R3 A:9	11	12.3	20	2.8
R3 A:10	10.6	10.5	20	2.9
R3 A:11	11.9	12.5	19	3.6
R3 A:12	13.2	13.5	24	3.1
R3 A:13	11.6	10.7	18	3.6
R3 A:14	13	14.6	30	3.2
R3 A:15	10.3	11.1	17	2.8
R3 A:16	9.6	10.6	17	2.4
R3 A:17	11.6	13.2	21	3.1
R3 A:18	10.1	11	16	2.2
R3 A:21	10	10.5	17	2.7
R3 A:24	10.5	10.6	16	3.4
R3 A:25	10.1	11.8	17	3.6
R3 A:26	7.5	7.7	8	2.6
R3 A:27	7.9	9.6	12	2.6
R3 A:28 -29	9	10.1	12	2.1

Appendix 5.4 Ravensworth Stone Artefact Data

Table 5.4.2 Ravensworth Lake and Excavation Square A Artefact Type Numbers and Percentages

Sample	Sample Size	Cores		Flakes (Excluding Tools)									
		Cores	% cores	Whole	%whole	Proxima	%proximal	Distal	%distal	Split Cone	%split cone	Flake Fragment	% flake frag.
R3 Lake	21	1	4.8	6	28.6	4	19.0	2	9.5	1	4.8	0	0.0
R3 A:1	23	0	0.0	12	52.2	5	21.7	1	4.3	0	0.0	3	13.0
R3 A:2	13	0	0.0	10	76.9	1	7.7	0	0.0	0	0.0	0	0.0
R3 A:3	19	1	5.3	11	57.9	2	10.5	0	0.0	0	0.0	4	21.1
R3 A:4	30	1	3.3	15	50.0	2	6.7	2	6.7	1	3.3	5	16.7
R3 A:5	33	0	0.0	23	69.7	3	9.1		0.0		0.0	5	15.2
R3 A:6	49	0	0.0	32	65.3	6	12.2	5	10.2		0.0	3	6.1
R3 A:7	65	1	1.5	40	61.5	7	10.8	4	6.2	0	0.0	11	16.9
R3 A:8	42	2	4.8	21	50.0	4	9.5	1	2.4		0.0	6	14.3
R3 A:9	46	1	2.2	13	28.3	7	15.2	4	8.7	1	2.2	10	21.7
R3 A:10	33	3	9.1	14	42.4	6	18.2	1	3.0		0.0	6	18.2
R3 A:11	23	1	4.3	14	60.9	0	0.0	1	4.3	1	4.3	3	13.0
R3 A:12	27	2	7.4	14	51.9	0	0.0	1	3.7	1	3.7	5	18.5
R3 A:13	20	0	0.0	14	70.0	0	0.0	0	0.0	2	10.0	3	15.0
R3 A:14	13	0	0.0	3	23.1	2	15.4	1	7.7		0.0	3	23.1
R3 A:15	13	0	0.0	9	69.2	0	0.0	1	7.7	0	0.0	2	15.4
R3 A:16	26	0	0.0	13	50.0	1	3.8	3	11.5	1	3.8	7	26.9
R3 A:17	28	1	3.6	12	42.9	1	3.6	1	3.6	2	7.1	10	35.7
R3 A:18	10	0	0.0	6	60.0	0	0.0	1	10.0	0	0.0	1	10.0
R3 A:21	29	1	3.4	16	55.2	3	10.3	1	3.4	1	3.4	6	20.7
R3 A:24	12	0	0.0	5	41.7	1	8.3		0.0		0.0	2	16.7
R3 A:25	14	0	0.0	4	28.6	1	7.1	1	7.1	0	0.0	6	42.9
R3 A:26	7	0	0.0	3	42.9	1	14.3	3	42.9		0.0		0.0
R3 A:27	10	0	0.0	5	50.0	1	10.0	1	10.0	0	0.0	3	30.0
R3A:28-9	8	0	0.0	2	25.0	3	37.5	0	0.0	1	12.5	2	25.0
R3 totals	593	14		311		57		33		11		106	
R3 %total		2.4		52.4		9.6		5.6		1.9		17.9	

Table 5.4.3 Ravensworth Lake and Excavation Square A Tool Types Numbers and Percentages

No	Sample Size	Geom. Backed Blade	% Geom. Backed Blade	Bondi	% Bondi	Burin	% Burin	Adze	% Adze	DistalFlake Tool	% Distal F. T.	Side Flake Tool	% Side FT
R3 Lake	21	1	4.8		0.0	1	4.8	1	4.8		0.0		0.0
R3 A:1	23		0.0		0.0		0.0		0.0		0.0	1	4.3
R3 A:2	13		0.0		0.0		0.0		0.0		0.0	2	15.4
R3 A:3	19		0.0		0.0	1	5.3		0.0		0.0		0.0
R3 A:4	30		0.0		0.0		0.0		0.0	1	3.3	1	3.3
R3 A:5	33	1	3.0		0.0		0.0		0.0		0.0		0.0
R3 A:6	49		0.0	1	2.0		0.0		0.0		0.0	1	2.0
R3 A:7	65	1	1.5		0.0		0.0		0.0		0.0		0.0
R3 A:8	42		0.0	5	11.9		0.0		0.0	1	2.4	1	2.4
R3 A:9	46		0.0	1	2.2		0.0	1	2.2	1	2.2		0.0
R3 A:10	33		0.0		0.0		0.0		0.0		0.0	1	3.0
R3 A:11	23		0.0		0.0	1	4.3		0.0		0.0		0.0
R3 A:12	27	1	3.7		0.0	2	7.4		0.0		0.0		0.0
R3 A:13	20		0.0		0.0		0.0		0.0		0.0	1	5.0
R3 A:14	13	1	7.7		0.0		0.0		0.0		0.0		0.0
R3 A:15	13		0.0		0.0		0.0		0.0		0.0		0.0
R3 A:16	26		0.0		0.0		0.0	1	3.8		0.0		0.0
R3 A:17	28		0.0		0.0		0.0		0.0	1	3.6		0.0
R3 A:18	10		0.0		0.0		0.0		0.0		0.0	1	10.0
R3 A:21	29		0.0		0.0		0.0		0.0		0.0		0.0
R3 A:24	12		0.0		0.0		0.0	1	8.3		0.0	1	8.3
R3 A:25	14	1	7.1		0.0		0.0		0.0		0.0		0.0
R3 A:26	7		0.0		0.0		0.0		0.0		0.0		0.0
R3 A:27	10		0.0		0.0		0.0		0.0		0.0		0.0
R3A:28-9	8		0.0		0.0		0.0		0.0		0.0		0.0
R3A totals	593	5		7		4		3		4		10	
R3 A %		0.8		1.2		0.7		0.5		0.7		1.7	

Appendix 5.4 Ravensworth Stone Artefact Data

total											
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Table 5.4.3 continued

	thumbnail Flake Tool	% thumb nail FT	Notched Flake Tool	% Notched FT	Utilised Flake	% Utilised	Split Pebble	% Split Pebble	Grinding Frag	% Grinding Frag
R3 Lake		0.0		0.0		0.0		0.0	4	19.0
R3 A:1	1	4.3		0.0		0.0		0.0		0.0
R3 A:2		0.0		0.0		0.0		0.0		0.0
R3 A:3		0.0		0.0		0.0		0.0		0.0
R3 A:4		0.0		0.0	2	6.7		0.0		0.0
R3 A:5		0.0		0.0	1	3.0		0.0		0.0
R3 A:6		0.0		0.0	1	2.0		0.0		0.0
R3 A:7		0.0		0.0	1	1.5		0.0		0.0
R3 A:8		0.0		0.0	1	2.4		0.0		0.0
R3 A:9		0.0	1	2.2	5	10.9	1	2.2		0.0
R3 A:10		0.0		0.0	2	6.1		0.0		0.0
R3 A:11		0.0		0.0	2	8.7		0.0		0.0
R3 A:12		0.0		0.0		0.0	1	3.7		0.0
R3 A:13		0.0		0.0		0.0		0.0		0.0
R3 A:14		0.0	2	15.4	1	7.7		0.0		0.0
R3 A:15		0.0		0.0	1	7.7		0.0		0.0
R3 A:16		0.0		0.0		0.0		0.0		0.0
R3 A:17		0.0		0.0		0.0		0.0		0.0
R3 A:18		0.0		0.0	1	10.0		0.0		0.0
R3 A:21		0.0		0.0	1	3.4		0.0		0.0
R3 A:24		0.0		0.0	2	16.7		0.0		0.0
R3 A:25		0.0		0.0	1	7.1		0.0		0.0
R3 A:26		0.0		0.0		0.0		0.0		0.0
R3 A:27		0.0		0.0		0.0		0.0		0.0
R3 A:28-9		0.0		0.0		0.0		0.0		0.0

Appendix 5.4 Ravensworth Stone Artefact Data

R3A totals	1	3	22	2	0
R3 A % total	0.16	0.5	3.7	0.33	0

Table 5. 4.4 Ravensworth 3 Lake and Excavation Sample Raw Material Types

	sample size	% sandstone	% microcrystalline	% other	% quartzite	% silcrete	% quartz
R3 Lake	21	4.8	0	4.8	47.6	23.8	19
R3 A:1	23	0	0	0	0	34.8	65.2
R3 A:2	13	0	7.7	0	15.4	46.2	30.8
R3 A:3	19	0	10.75	10.75	21.05	26.3	31.6
R3 A:4	30	0	0	0	26.7	30	43.3
R3 A:5	33	0	9	3.03	3.03	33.33	51.5
R3 A:6	49	0	6.1	8.2	4.08	53	28.6
R3 A:7	65	0	0	1.5	21.5	26.2	50.8
R3 A:8	42	0	5	0	21.4	31	42.9
R3 A:9	46	0	0	0	8.7	41.3	50
R3 A:10	33	0	0	3	21.2	36.4	39.4
R3 A:11	23	0	4.3	0	13.04	34.8	47.8
R3 A:12	27	0	0	0	29.6	40.7	29.6
R3 A:13	20	0	0	5	20	20	55
R3 A:14	13	0	8	8	15.4	23.1	46.2
R3 A:15	13	0	0	0	8	15	77
R3 A:16	26	0	3.8	3.8	7.7	26.9	57.7
R3 A:17	28	0	10.7	0	21.4	10.7	57.1
R3 A:18	10	0	0	0	10	20	70
R3 A:21	29	0	6.9	17.3	3.4	0	72.4
R3 A:24	12	0	8.33	0	8.33	8.33	75
R3 A:25	14	0	0	0	14.3	14.3	71.4
R3 A:26	7	0	0	0	0	0	100
R3 A:27	10	0	0	0	0	20	80
R3 A:28	2	0	0	0	0	0	100
R3 A:29	6	0	0	0	0	33.3	66.6

Appendix 5.4 Ravensworth Stone Artefact Data

averages		0.2	3.1	2.5	13.1	25.0	56.1
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Table 5. 4.5 Ravensworth Stone Artefact Raw Data

WINDOW	SAMPLE NO.	AREA M	GPS E			GPS N	ARTEFACT TYPE	CORTEX	RETOUCH/USE	PLATFORM (F/B &U/BIF)	TERMINAT. (F/H/P/A)
NO.	MATERIAL	L	W	T	SQRT L X W						
	R3 lake 1	...5.. X..5.... m									
Lake 1	grey s.sandst	49.5	65.6	9.5	57.0	topstone, thin, flaked edge, worked both sides, no sheen but was in H2O, flat facets	%	scalar/step/cus/U			
2	beige qtzite	48	38	19	42.7	tiny topstone, sheen on one surface, bottom edge flaked, top edge pounding/hammerstone, flat bottom facet					
	o				0.0	top facet slightly concave, nearly whole					
3	pink qtzite	65	34	19	47.0	flake			b/bif	A	
4	grey qtzite	59	42	25.5	49.8	broken dish/mortar?, one facet ground, slightly convex, 1edge trimmed with flaking					
5	pink qtzite	44	29.5	28.7	36.0	bipolar flaked pebble, core?	30%	grinding&sheen &minor pitting on cortex indicates pebble was pestle			
6	black&pink qtzite	37	28	15	32.2	1 facet ground, flake off dish or topstone, no sheen					
7	grey qtzite	35	21	6	27.1	backed blade, not completed			F/U	F	
8	black hornfels	19	28	7	23.1	prox. Blade, weathered skin, blade scars			B/U	F	
9	clear qtz	16	11	4.5	13.3	flake split cone			B/U	F	
10	pink qtzite	21	16	4.4	18.3	flake			crushed	F	
11	pink qtzite	23	18	12	20.3	flake	5%		F/U	F	
12	grey silcrete	15.5	10	4	12.4	flake			crushed	H	
13	yellow silcrete	17	23	5	19.8	flake distal			0	F	

Appendix 5.4 Ravensworth Stone Artefact Data

14	white silcrete	15	15	5	15.0	flake prox.			crushed	0
15	white silcrete	17	11.6	3.3	14.0	flake			crushed	A
16	qtz	11	13	6	12.0	flake tool (adze like)		distal heavy step	crushed	0
17	qtz	13	10	2.7	11.4	blade distal			crushed	F
18	pink qtzite	13	10	2	11.4	blade			crushed	F
19	qtz	8	10	1.9	8.9	blade prox.			crushed	o
20	yellow silcrete	11	10	3	10.5	flake tool (burin)			F/U	f
21	white qtzite	17	14	4	15.4	blade prox. Off pebble	20%	polished by wind/water	crushed	0
.	o					o				
R3	A:1					o				
1	qtz	16.4	14	5.5	15.2	flake tool thumbnail		step	crushed	P
2	qtz	19	11	7	14.5	flake			crushed	F
3	qtz	10	13	4.6	11.4	flake			F/U	P
4	qtz	7	6	2	6.5	flake proximal			F/U	
5	qtz	13.5	7	7	9.7	flake off corner of bipolar core			B/U	H
6	qtz	10	9	5	9.5	flake			B/U	F
7	qtz	15	7.5	3	10.6	flake	10%	of pebble	crushed	P
8	qtz	11.6	5.7	2.7	8.1	flake			crushed	
9	qtz	6	12	5.6	8.5	flake proximal			crushed	
10	qtz	9.6	4.5	1.2	6.6	flake fragment			0	
11	qtz	5.6	8.4	2	6.9	flake proximal			U/B	F
12	qtz	8	4	2	5.7	flake			crushed	F
13	qtz	9	4	3	6.0	flake			crushed	F
14	qtz	4	6	2	4.9	flake proximal			crushed	
15	qtz	5	5	2	5.0	flake fragment			o	
16	fine grey silcrete	14.5	11	5	12.6	flake tool, mishapen, bending fracture, step+ scalar one edge			F/U	A
17	coarse grey silc.	11	8	4	9.4	flake			B/U	A
18	fine grey silcrete	8	4	2	5.7	flake			F/u	F
19	yellow silcrete	11	7	2	8.8	flake			crushed	F

Appendix 5.4 Ravensworth Stone Artefact Data

20	fine grey silcrete	7	5	2	5.9	flake distal				F
21	coarse grey silc.	10	7	5	8.4	flake			F/U	H
22	coarse grey silc.	9	8	3	8.5	flake fragment				
23	coarse grey silc.	6	7	3	6.5	flake proximal			crushed	
	o					o				
R3	A:2					o				
1	quartzite	29	12	4	18.7	blade tool blade scars		scalar +usewear one side	F/U	F
2	quartzite	15	29	8	20.9	flake (waisted)			B/U	P
3	coarse grey silc.	20	10	5	14.1	flake tool (waisted)		step one side, UW 1 side	B/U	F
4	coarse grey silc.	10	18	5	13.4	flake			B/U	F
5	pink grey silc	13	10	2.5	11.4	flake			B/U	P
6	coarse grey silc.	9	9	2.5	9.0	flake			F/U	A
7	pink grey silc	12	10	4	11.0	flake	40		crushed	F
8	beige silcrete	7	5	1.25	5.9	flake proximal			crushed	
9	red cyptocryst	14	6	2	9.2	flake			F/U	F
10	clear qtz	19	19	6.5	19.0	flake off bipolar core, blade scars			crushed	crushed
11	qtz	14	6	6	9.2	flake			crushed	crushed
12	qtz	15	11	4	12.8	flake			B/U	F
13	qtz	11	6	4	8.1	flake			crushed	crushed
R3	A:3					o			o	o
1	qtz	20	14	7	16.7	bipolar split core			crushed	crushed
2	qtz	9	5	2	6.7	flake			crushed	F
3	qtz	7	12	4	9.2	flake proximal			crushed	o
4	qtz	6	6	5	6.0	flake fragment			o	o
5	qtz	9	6	1.5	7.3	flake			B/U	F
6	qtz	8	6	1.7	6.9	flake			B/U	F
7	black hornfels	13	13	3	13.0	flake	15%		B/Bif	A
8	beige silcrete	12	8	4	9.8	flake			crushed	crushed
9	black hornfels	15	9	6	11.6	flake tool burin			F/U	F

Appendix 5.4 Ravensworth Stone Artefact Data

10	beige quartzite	10	11	2	10.5	flake (waisted)			B/U	F
11	beige quartzite	9.5	7	2	8.2	flake			crushed	crushed
12	dark grey qtzite	6	8	3	6.9	flake			F/U	F
13	yellow silcrete	11	6.5	1.3	8.5	flake			crushed	F
14	pink grey silc	8	6	1	6.9	flake			F/U	F
15	grey microcryst	7	6	1	6.5	flake			crushed	F
16	dark grey qtzite	8.5	7	3	7.7	flake fragment			o	o
17	grey microcryst	6	7	1.7	6.5	flake proximal			B/Bif	o
18	grey silcrete	10	3.5	2	5.9	flake fragment			o	o
19	fine grey silcrete	7	6	1	6.5	flake fragment			o	o
R3	A:4					o			o	o
1	quartz	16	12	4	13.9	flake		blade scars	crushed	crushed
2	quartz	13	9.4	2.5	11.1	flake split tool		usewear one side, b.scars	B/U	P
3	quartz	13	10	3	11.4	flake toolstraight edge		scalar1 side, step 1 side	B/U	A
4	quartz	9	13.4	3	11.0	flake prox.			crushed	o
5	quartz	9.8	8	3.3	8.9	flake			crushed	crushed
6	quartz	11	6	1.4	8.1	flake			c	F
7	quartz	11	7	4.6	8.8	flake distal			o	F
8	quartz	9	9	3	9.0	flake	10%		B/U	F
9	quartz	10	9	5	9.5	flake			crushed	crushed
10	quartz	5.7	8.7	2.7	7.0	flake prox.			B/U	o
11	quartz	6	5	2	5.5	flake fragment			o	o
12	quartz	9	6	4	7.3	flake			crushed	crushed
13	quartz	9	6	5	7.3	flake fragment			o	o
14	pink qtzite	19	12	3.7	15.1	flake tool		usewear one side	B/U	F
15	red quartzite	13	15	4	14.0	flake			B/U	H
16	fine grey silcrete	15	10	6	12.2	bipolar split core		bi-directional, split, turned		
17	grey silcrete	11	13	3.6	12.0	flake tool		scalar on end	B/U	F
18	pink grey silc	11.5	6	2.6	8.3	flake split cone			crushed	crushed

Appendix 5.4 Ravensworth Stone Artefact Data

19	beige qtzite	11.5	5	2.4	7.6	flake			B/U	F
20	pink grey silc	11	9	3.4	9.9	flake		bending	crushed	crushed
21	beige qtzite	15	8	1.8	11.0	flake		waisted	crushed	F
22	beige qtzite	9.5	7	2	8.2	flake			B/U	crushed
23	beige qtzite	13	8	2.7	10.2	flake			F/U	P
24	beige qtzite	9	8	2	8.5	flake distal			o	F
25	beige qtzite	10	4	3	6.3	flake fragment			o	o
26	grey silcrete	8.5	6.3	1.5	7.3	flake fragment			o	o
27	grey silcrete	5	8	1.5	6.3	flake			B/U	A
28	grey silcrete	10	7	1.8	8.4	flake			B/U	F
29	grey silcrete	6	8	2.6	6.9	flake fragment			o	o
30	grey silcrete	8	6	1.7	6.9	flake			B/U	F
R3 A:5					0.0	o			o	o
1	grey quartz	16	18	4.5	17.0	flake			B/U	A
2	quartz	12	9	5	10.4	flake			B/U	F
3	quartz	11.5	12.5	4	12.0	flake			B/U	F
4	quartz	8	5.5	2.5	6.6	flake			B/U	F
5	quartz	10.5	9	5	9.7	flake			crushed	crushed
6	quartz	8.5	6	2.8	7.1	flake			crushed	crushed
7	red quartzite	9.5	10	2	9.7	flake			F/U	H
8	quartz	12	8	4	9.8	flake			crushed	crushed
9	quartz	8.5	6.3	1.7	7.3	flake tool backed blade		backing, crescent geometric	F/U	F
10	quartz	8.4	4.7	2.4	6.3	flake			crushed	crushed
11	quartz	8	7	4	7.5	flake			crushed	crushed
12	quartz	6.5	5	2	5.7	flake fragment			o	o
13	quartz	12	12	3	12.0	flake			crushed	crushed
14	red silcrete	16	9	3	12.0	flake			B/U	P
15	red silcrete	13	10	4	11.4	flake			F/U	P
16	brown microcryst	10	12	3	11.0	flake tool		usewear on end	F/U	P
17	grey microcryst	13.5	10	6	11.6	flake		corner off core	crushed	A

Appendix 5.4 Ravensworth Stone Artefact Data

18	black hornfels	12	13	8	12.5	flake		corner off core	B/Bif	P
19	grey silcrete	8.5	12	1.8	10.1	flake proximal			F/U	o
20	grey silcrete	8	5	1.8	6.3	flake			crushed	crushed
21	pink grey silc	12	9	1.8	10.4	flake			F/U	F
22	brown microcrys	12	5	1.9	7.7	flake			F/U	crushed
23	coarse grey silc.	12.5	9.4	3	10.8	flake			crushed	crushed
24	coarse grey silc.	11	8	2	9.4	flake			crushed	F
25	coarse grey silc.	7.6	15	3	10.7	flake			B/U	A
26	quartz	10	5	1.8	7.1	flake fragment			o	o
27	fine grey silcrete	9	6	3	7.3	flake proximal			crushed	o
28	quartz	10	9	4	9.5	flake fragment			o	o
29	quartz	7	10	2.6	8.4	flake fragment			o	o
30	beige silcrete	8	7	2	7.5	flake			crushed	F
31	coarse beige silcrete	8.4	9	2.5	8.7	flake proximal			B/U	o
32	quartz	6	7	4.5	6.5	flake fragment			o	o
33	quartz	7	7	2	7.0	flake			crushed	F
R3 A:6	o				0.0	o			o	o
1	red silcrete	22	12	5	16.2	flake			crushed	crushed
2	fine grey silcrete	19	7	3	11.5	flake toolbondi point		sides 'serrated', point ret	B/Bif	F
3	fine grey silcrete	15.5	9.7	2	12.3	flake tool		usewear on end	F/U	F
4	beige silcrete	10	12	1.7	11.0	flake proximal			B/Bif	o
5	black hornfels	16	11	4.5	13.3	flake			F/U	F
6	black hornfels	14.7	12	4	13.3	flake proximal			crushed	o
7	black hornfels	10	7	1.6	8.4	flake			crushed	F
8	black hornfels	6	4.6	1	5.3	flake		2 potlids	crushed	F
9	coarse beige silcrete	10	7	3	8.4	flake fragment			o	o
10	coarse beige silcrete	10	7	2	8.4	flake			crushed	crushed

Appendix 5.4 Ravensworth Stone Artefact Data

11	coarse beige silcrete	15	8	4.5	11.0	flake proximal			B/U	o
12	coarse beige silcrete	12	7	2	9.2	flake distal			o	F
13	coarse beige silcrete	9.7	11	1.6	10.3	flake			F/U	P
14	orange red silcrete	11.6	5	2.2	7.6	flake			B/U	F
15	red silcrete	11.7	6	4	8.4	flake		corner off core	crushed	crushed
16	brown microcrys	16	8	4	11.3	flake			F/U	A
17	fine red silcrete	7	4.6	1	5.7	flake			B/U	A
18	red silcrete	13.5	8	3	10.4	flake			crushed	F
19	fine grey silcrete	15	9	3.6	11.6	flake			F/U	F
20	beige quartzite	10	12	3	11.0	flake distal			o	F
21	beige silcrete	7.6	7	1.8	7.3	flake			crushed	crushed
22	beige silcrete	9	7.5	2	8.2	flake			B/U	F
23	fine grey silcrete	6.4	8.2	2	7.2	flake			B/U	F
24	pink grey silc	9	7	4	7.9	flake		off corner of bipolar core	B/U	P
25	brown microcrys	7.8	5	2.5	6.2	flake			B/U	A
26	red silcrete	9	5	2	6.7	flake			crushed	P
27	grey silcrete	10	8	3.6	8.9	flake fragment			o	o
28	quartz	12.7	12	8	12.3	flake		off corner of bipolar core	B/U	P
29	grey silcrete	7.6	8.2	2	7.9	flake			B/U	P
30	quartz	13	8.7	5.6	10.6	flake			crushed	crushed
31	quartz	12	9	6	10.4	flake		off corner of bipolar core	crushed	crushed
32	quartz	16	8	4.5	11.3	flake			B/U	F
33	quartz	12	8	4	9.8	flake			crushed	crushed
34	quartz	6	7	1.2	6.5	flake proximal			F/U	o
35	quartz	17	5	3.5	9.2	flake tool straight edge, triangle		usewear +step 1 side	o	o
36	fine grey	7	10	1.3	8.4	flake			B/U	F

Appendix 5.4 Ravensworth Stone Artefact Data

	silcrete									
37	quartz	14	8	3	10.6	flake			crushed	F
38	beige silcrete	11	6	3	8.1	flake			crushed	F
39	quartz	8.6	8.6	2	8.6	flake proximal			crushed	o
40	quartz	10	5.5	2.9	7.4	flake			crushed	F
41	beige quartzite	8	7	1.3	7.5	flake distal			o	F
42	brown microcrys	8	7	4	7.5	flake distal			o	F
43	grey silcrete	6	7	2.4	6.5	flake distal			o	F
44	quartz	8	5	1.6	6.3	flake			crushed	F
45	quartz	6.4	4	1.4	5.1	flake			B/U	F
46	quartz	7.5	7	4	7.2	flake fragment			o	o
47	pink grey silc	8.6	5.7	1.8	7.0	flake			crushed	F
48	quartz	9.2	5.6	1	7.2	flake			crushed	crushed
49	beige silcrete	6	6.4	2.5	6.2	flake proximal			B/U	o
A:7	o				0.0	o			o	
1	quartz	28	25	12	26.5	flake, bipolar off pebble	40%	pebble cortex heat fract	crushed	crushed
2	quartz	21	20	12.6	20.5	bipolar split core		very heat fractured	o	o
3	quartz	16	13	4	14.4	flake	20%	usewear one side	crushed	F
4	quartz	17	8	6	11.7	flake			crushed	crushed
5	quartz	13	11	2.8	12.0	flake			crushed	crushed
6	quartz	14	13	2.8	13.5	flake tool			B/U	P
7	quartz	13	7	3	9.5	flake			F/U	P
8	quartz	13	9	4.6	10.8	flake			B/U	A
9	quartz	9	6.6	2.8	7.7	flake			crushed	F
10	quartz	8	8.6	1.9	8.3	flake			B/U	F
11	quartz	11	4	3	6.6	flake fragment			o	o
12	quartz	8	5	1.5	6.3	flake			B/U	F
13	quartz	12	6	2	8.5	flake			F/U	F
14	quartz	14	6	6	9.2	flake fragment			o	o
15	quartz	13	6	5	8.8	flake			B/U	H

Appendix 5.4 Ravensworth Stone Artefact Data

16	quartz	6	8	2.4	6.9	flake			B/U	P
17	quartz	7	3.8	1.2	5.2	flake			F/U	F
18	quartz	6	9	4	7.3	flake proximal			B/U	o
19	quartz	7	7	4	7.0	flake distal			o	F
20	quartz	8	6	1.3	6.9	flake distal			o	F
21	quartz	9	7	2.5	7.9	flake			crushed	F
22	quartz	8	6	1.5	6.9	flake			B/U	F
23	quartz	10	7	3	8.4	flake			crushed	crushed
24	quartz	12	8	4	9.8	flake			crushed	F
25	quartz	14	7	5.4	9.9	flake			crushed	crushed
26	quartz	7	6	3	6.5	flake distal			o	F
27	quartz	11	4	2.5	6.6	flake fragment			o	o
28	quartz	6.7	5	1.7	5.8	flake fragment			o	o
29	quartz	7	4	2.7	5.3	flake			crushed	F
30	quartz	6	4	1.8	4.9	flake			B/U	F
31	quartz	8	5	4	6.3	flake fragment			o	o
32	brown quartzite	15	20	3.7	17.3	flake	15%		B/U	A
33	beige quartzite	17	14	10	15.4	flake			B/U	A
34	grey silcrete	16	14	6	15.0	flake			B/U	P
35	beige quartzite	15	12	5	13.4	flake fragment			o	o
36	pink grey silc	15	11.5	3.8	13.1	geometric backed blade	partially backed, cord undamaged		B/U	o
37	pink grey silc	20	5	3	10.0	flake	10%		F/U	A
38	beige silcrete	10	10	3	10.0	flake			crushed	crushed
39	red quartzite	13	7	2.2	9.5	flake			crushed	crushed
40	red silcrete	14	8	4	10.6	flake	40%	1 potlid	F/U	P
41	red silcrete	8.5	12	6	10.1	flake proximal			crushed	o
42	red quartzite	7	6.4	2	6.7	flake proximal	30%		crushed	o
43	red quartzite	8	5	1.5	6.3	flake			F/U	A
44	red silcrete	7	11	2.4	8.8	flake proximal			crushed	o
45	fine grey silcrete	7	10	2.2	8.4	flake			F/U	H

Appendix 5.4 Ravensworth Stone Artefact Data

46	fine grey silcrete	6	11	2.4	8.1	flake			B/U	H
47	fine grey silcrete	9.6	6	1.7	7.6	flake			B/U	F
48	beige quartzite	10	14	5	11.8	flake proximal			B/U	o
49	beige quartzite	14	7	4.3	9.9	flake			B/U	H
50	beige quartzite	10	5	1.6	7.1	flake fragment			o	o
51	pink quartzite	7	13	2.2	9.5	flake distal			o	F
52	grey silcrete	10	7	2	8.4	flake			crushed	crushed
53	brown quartzite	11	7	2.5	8.8	flake			crushed	F
54	beige quartzite	11	7	2.2	8.8	flake proximal			crushed	o
55	beige quartzite	12	7	3	9.2	flake proximal			crushed	o
56	pink grey silc	9	6	6	7.3	flake fragment			o	o
57	red silcrete	8	7	2	7.5	flake			B/U	A
58	beige quartzite	8	5	2.4	6.3	flake			F/U	F
59	grey silcrete	13	4	3	7.2	flake			F/U	A
60	beige silcrete	10	9	6	9.5	flake fragment			o	o
61	quartz	12	4	2	6.9	flake			crushed	F
62	yellow silcrete	8	9	4.5	8.5	flake			B/U	F
63	black hornfels	10	6	3	7.7	flake fragment			o	o
64	beige silcrete	10.5	5	3	7.2	flake			B/U	F
65	quartz	10	8	5	8.9	flake fragment			o	o
R3 A:8	0				0.0		0		0	0
1	beige quartzite	37	24	7	29.8	flake tool		UW one side	B/U	F
2	beige quartzite	24	17	12	20.2	core bipolar split crushing both ends			o	
3	grey silcrete	18	11	10	14.1	core bipolar split crushing both ends			o	
4	grey silcrete	16	10	3.4	12.6	flake	50%		crushed	crushed
5	grey silcrete	13	10	3	11.4	flake	15%	potlid	crushed	f
6	beige quartzite	17	11	6	13.7	flake	35%		crushed	f
7	beige quartzite	9	12	2.5	10.4	flake			crushed	f
8	grey silcrete	13	8	2.8	10.2	flake			crushed	p
9	quartz	14	13	3.4	13.5	flake			B/U	h

Appendix 5.4 Ravensworth Stone Artefact Data

10	quartz	16	12	3.3	13.9	flake			crushed	p
11	quartz	16	6	2.8	9.8	flake split cone tool		scalar one side	B/U	p
12	quartz	16	13	8	14.4	flake proximal			crushed	0
13	quartz	13	7	3	9.5	flake distal			o	f
14	quartz	11	9	3.4	9.9	flake fragment		heat fract	o	o
15	quartz	13	8	4	10.2	flake		2 potlids	B/U	A
16	quartz	9	8	2.3	8.5	flake			B/U	F
17	quartz	8	12	4	9.8	flake			crushed	crushed
18	quartz	9	5	1.8	6.7	flake			B/U	A
19	quartz	9	8	3.6	8.5	flake proximal			B/U	0
20	quartz	7	5	1.4	5.9	flake proximal			crushed	0
21	clear qtz	7	5	1.5	5.9	flake fragment			o	0
22	clear qtz	7	7	1.6	7.0	flake fragment			F/U	H
23	pink quartzite	15	9	4.4	11.6	flake			B/U	crushed
24	pink quartzite	19	9	7.4	13.1	flake			B/U	P
25	red silcrete	13	9	4.6	10.8	flake			B/U	A
26	red silcrete	8	7	2	7.5	flake fragment			0	0
27	red silcrete	8	11	4	9.4	flake			B/U	A
28	chert	13	5	1	8.1	flake tool, end tool, scalar & UW on end			B/U	F
29	grey silcrete	6	10	4.3	7.7	flake proximal, triangular, snapped bondi?			B/U	0
30	beige quartzite	10	7	3	8.4	flake fragment, triangular, snapped bondi?			0	0
31	quartz	11	8	2	9.4	flake			crushed	F
32	chert	6	10	4	7.7	flake tool proximal, triangular, snapped bondi, scalar on side			B/Bif	0
33	quartz	8	6	1.4	6.9	flake			B/U	crushed
34	beige quartzite	9	10	2.6	9.5	flake			crushed	crushed
35	fine grey silcrete	9	6	2.5	7.3	flake proximal			F/U	0
36	fine grey silcrete	8	7	1.5	7.5	flake			B/U	F
37	beige quartzite	11	4.5	3	7.0	flake			F/U	crushed
38	yellow silcrete	9	8	3	8.5	flake fragment			0	0
39	red silcrete	5	9	2.6	6.7	flake fragment, triangular, snapped bondi?, scalar on edge,			0	0

Appendix 5.4 Ravensworth Stone Artefact Data

40	fine grey silcrete	6.7	9.7	3.7	8.1	flake tool proximal, triangular, snapped bondi, step one side		F/U	0
41	quartz	7	4.6	2	5.7	flake		B/U	F
42	quartz	4.8	5.2	2.3	5.0	flake fragment		0	0
R3 A:9	0				0.0		0	0	0
1	fine grey silcrete	23	16	14	19.2	bipolar "blade" core	60%	turned & attempt to reduce, step, max scar 16 x 9, cortex 1 side, fat used	
2	w & r stripy Qtzite	17	14	5.6	15.4	flake tool		UW one side, keeled?	B/Bif crushed
3	quartz	17	15	6	16.0	flake tool		UW 2 sides	F/U P
4	pink grey silc	20	12	5.4	15.5	flake tool, "adze" or "burren"		1 side heavily step flaked	0 A
5	grey silcrete	19	11	3.4	14.5	flake tool, triangular, bondi		curved edge, scalar, point retouched	B/U F
6	quartz	15	9.5	3.4	11.9	flake		heat fract	B/U 0
7	pink grey silc	13	14.5	3.8	13.7	flake proximal			B/U 0
8	quartz	11.5	13.6	5.5	12.5	flake distal, tool	45%	pebble cortex heat fract, scalar on end	F
9	quartz	12	10	3.2	11.0	flake proximal			crushed 0
10	quartz	10	11	3.3	10.5	flake proximal			B/U 0
11	quartz	17	9	2.7	12.4	flake			crushed crushed
12	quartz	10.5	9	3.7	9.7	flake			crushed crushed
13	quartz	14	6	2.6	9.2	flake fragment			0 0
14	quartz	7	6.5	2.4	6.7	flake proximal			crushed 0
15	quartz	8	5	3	6.3	flake distal			0 f
16	quartz	8	5.6	2	6.7	flake			crushed f
17	quartz	6.5	5.5	1.8	6.0	flake			B/U f
18	quartz	10	7	4	8.4	flake split cone	60%	pebble	0 P
19	quartz	13	10	3	11.4	flake distal, tool		UW one side, notch	0 F
20	quartz	12	9	5	10.4	flake fragment			0 0
21	fine grey silcrete	12	5	1.5	7.7	blade tool		end UW, blade scars	F/U f
22	fine grey silcrete	10	9	2.2	9.5	flake			F/U f
23	quartz	9.6	5.7	3.7	7.4	spit pebble	60%	smooth, heat fract.	0 0

Appendix 5.4 Ravensworth Stone Artefact Data

24	beige quartzite	12	8	2	9.8	flake split cone			0	f
25	fine grey silcrete	9	7.5	3.4	8.2	flake fragment			0	0
26	fine grey silcrete	10	6.6	1.7	8.1	flake tool		UW on end & 1 side	crushed	f
27	fine grey silcrete	10	6	1.8	7.7	flake fragment			0	0
28	quartz	14	10	6	11.8	flake	20%	pebble	B/U	F
29	quartz	11	7	3.6	8.8	flake	40%	pitted cortex, off h.stone?	crushed	F
30	quartz	9.3	10	3.4	9.6	flake distal	10%		0	f
31	grey quartzite	12	9	2	10.4	flake		potlid	B/U	F
32	fine grey silcrete	7	12	3	9.2	flake distal			0	F
33	fine grey silcrete	8	5	1.6	6.3	flake fragment			0	0
34	fine grey silcrete	12	6.5	1.6	8.8	flake fragment			0	0
35	pink grey silc	9.4	8	1.4	8.7	flake			F/U	F
36	yellow silcrete	8.5	6	2	7.1	flake fragment			0	0
37	grey silcrete	10	7	1.3	8.4	flake			crushed	f
38	grey silcrete	7	9	2.6	7.9	flake distal			0	f
39	grey silcrete	7	7	1.3	7.0	flake proximal			F/U	0
40	quartz	10	5	2.4	7.1	flake fragment			0	0
41	grey silcrete	9	4.5	1.5	6.4	flake			F/U	f
42	quartz	6	4	2	4.9	flake fragment			0	0
43	quartz	9	4	2.5	6.0	flake fragment			0	0
44	beige quartzite	9	6.5	1.1	7.6	flake			crushed	f
45	quartz	6	5.5	1.2	5.7	flake proximal			B/U	0
	grey silcrete	6	7.5	1.7	6.7	flake proximal			B/U	0
R3 A:10	o				0.0		0		0	0
1	grey quartzite	17	17	9.5	17.0	bipolar core split			0	0
2	quartz	19	26	10	22.2	bipolar core split			0	0
3	quartz	11	21	5	15.2	flake proximal			B/U	0

Appendix 5.4 Ravensworth Stone Artefact Data

4	quartz	14	17	9	15.4	bipolar core split			0	0
5	quartz	14	15	7	14.5	flake			crushed	F
6	quartz	12	11	3.6	11.5	flake proximal			F/U	0
7	quartz	9	11	2	9.9	flake proximal			F/U	0
8	clear qtz	8	13	3	10.2	flake distal			0	crushed
9	quartz	8	9	3	8.5	flake fragment			0	0
10	quartz	12	7	1.7	9.2	flake tool		UW both sides	crushed	f
11	grey silcrete	20	16	4.4	17.9	flake			crushed	f
12	grey silcrete	10.4	13	3.4	11.6	flake proximal			B/U	0
13	grey quartzite	10.6	15	2.6	12.6	flake distal, tool		UW on end	0	F
14	grey quartzite	10	15	1.3	12.2	flake proximal			B/U	0
15	grey quartzite	12	11	1.8	11.5	flake			B/U	f
16	grey quartzite	18	11	5	14.1	flake			B/Bif	A
17	quartz	14	10	7	11.8	flake fragment			0	0
18	quartz	12	5	4	7.7	flake			crushed	crushed
19	volcanic?	12	8	2	9.8	ground fragment -spall		off ground implement- axe?	0	0
20	yellow silcrete	10	7	1.4	8.4	flake fragment			0	0
21	beige quartzite	5	8	3	6.3	flake proximal			B/U	0
22	grey quartzite	7	8.6	2.4	7.8	flake			B/U	f
23	black silcrete	7.6	10.6	2.4	9.0	flake			B/U	f
24	grey silcrete	8	10	1.5	8.9	flake			crushed	f
25	pink grey silc	8	7	1.8	7.5	flake fragment			0	0
26	pink grey silc	8.6	8.4	1.8	8.5	flake tool		scalar retouch 1 side	crushed	crushed
27	grey silcrete	7	11	2.5	8.8	flake			B/U	f
28	yellow silcrete	8	6	2	6.9	flake fragment			0	0
29	pink grey silc	7	7	2	7.0	flake			B/U	f
30	pink grey silc	9	6	2	7.3	flake fragment			0	0
31	quartz	8	6	2	6.9	flake			crushed	crushed
32	quartz	7	6	2.8	6.5	flake			crushed	crushed
33	beige silcrete	8	6	2	6.9	flake			B/U	F

Appendix 5.4 Ravensworth Stone Artefact Data

R3 A:11	0				0.0		0			0	0
1	microcrystalline	14	13	11	13.5	bipolar core split				0	0
2	beige quartzite	18	18	7	18.0	flake				B/U	F
3	grey silcrete	17	15	4.5	16.0	flake tool		UW 2 sides		B/U	F
4	beige quartzite	17	9	2.6	12.4	flake				crushed	f
5	red silcrete	19	11	3.6	14.5	flake				B/U	f
6	fine grey silcrete	11	12	4	11.5	flake		tip snapped?		crushed	A
7	red silcrete	13	7	4	9.5	flake tool -burin				crushed	crushed
8	red silcrete	13	7	2	9.5	flake				crushed	crushed
9	red silcrete	8	8	4	8.0	flake fragment				0	0
10	grey silcrete	10	7	1.8	8.4	flake				crushed	f
11	grey quartzite	11	8	2	9.4	flake				crushed	f
12	quartz	15	10	5	12.2	flake				crushed	crushed
13	quartz	11	10	2.4	10.5	flake				crushed	f
14	quartz	10	11	6.8	10.5	flake				B/U	A
15	quartz	11	9	5	9.9	flake				crushed	f
16	quartz	10	5	3	7.1	flake				crushed	f
17	quartz	9.5	11	3	10.2	flake tool				0	0
18	quartz	10.5	7	2	8.6	flake				crushed	f
19	quartz	10	8	4.5	8.9	flake fragment				0	0
20	quartz	7	7	2	7.0	flake distal				0	f
21	quartz	9	6.6	2.7	7.7	flake fragment				0	0
22	black silcrete	11.6	5	2.7	7.6	flake split cone				B/U	f
23	quartz	9	6	3.6	7.3	flake				B/U	f
R3 A:12	0				0.0		0			0	0
1	black silcrete	24	17	5	20.2	flake				crushed	A
2	quartz	17	18	7	17.5	bipolar core split				0	0
3	quartz	23	17	12	19.8	bipolar core split				0	0
4	quartz	12	9	5	10.4	flake				crushed	F
5	quartz	9	6	2	7.3	flake fragment				0	0

Appendix 5.4 Ravensworth Stone Artefact Data

6	quartz	11	6	2	8.1	flake			crushed	f
7	quartz	11	11	6.5	11.0	flake			B/U	A
8	quartz	11	9	3.8	9.9	flake			B/U	f
9	beige quartzite	20	14	3	16.7	flake tool			geometric backed blade, chord undamaged	f
10	red quartzite	19	14	6	16.3	flake	50%		crushed	A
11	red silcrete	16	9	2.7	12.0	flake			F/U	f
12	red silcrete	16	7	5	10.6	flake fragment			0	0
13	brown silcrete	17	6	3	10.1	flake tool -burin			crushed	crushed
14	beige quartzite	9	11	3.5	9.9	flake distal			0	f
15	beige silcrete	11	9	2.6	9.9	flake	20%		B/U	f
16	beige quartzite	13	11	3.4	12.0	flake			F/U	f
17	red silcrete	14	12	9	13.0	spit pebble	60%		0	0
18	grey quartzite	14	9	3.3	11.2	flake split cone			0	f
19	grey quartzite	10	8	2	8.9	flake fragment			0	0
20	brown silcrete	13	4.5	1.9	7.6	flake			crushed	crushed
21	beige quartzite	14	5	2.7	8.4	flake			B/U	f
22	yellow silcrete	12	5.5	3	8.1	flake tool -burin ???			crushed	crushed
23	beige quartzite	10	5	2	7.1	flake			crushed	f
24	fine grey silcrete	8	6	1	6.9	flake		tip snapped	F/U	f
25	pink grey silc	9	7	2	7.9	flake fragment			0	0
26	quartz	8	6	3	6.9	flake fragment			0	0
27	brown silcrete	6	6	1	6.0	flake			crushed	F
R3 A:13	0				0.0		0		0	0
1	beige silcrete	27	18	9	22.0	flake split cone	40%		crushed	P
2	red silcrete	8	9	4.5	8.5	flake fragment			0	0
3	red quartzite	9	7	2.5	7.9	flake			B/U	F
4	quartz	16	13	7	14.4	flake tool proximal		scalar on 2 sides, thick f	crushed	0
5	quartz	13	7	2.5	9.5	flake			crushed	F
6	quartz	8	12	7	9.8	flake fragment			0	0

Appendix 5.4 Ravensworth Stone Artefact Data

7	quartz	11	13	4	12.0	flake			crushed	f
8	quartz	11	10	4	10.5	flake fragment			0	0
9	quartz	10	6	4	7.7	flake			crushed	crushed
10	quartz	11	9	4	9.9	flake			crushed	crushed
11	quartz	11	4	1	6.6	flake			crushed	f
12	quartz	9	4	2	6.0	flake split cone			crushed	crushed
13	quartz	8	5	2	6.3	flake			crushed	crushed
14	pink grey silc	18	9	4.5	12.7	flake			B/U	crushed
15	grey quartzite	14	10	3	11.8	flake			crushed	f
16	grey quartzite	10	15	3	12.2	flake			crushed	f
17	black hornfels	8	5	1	6.3	flake			F/U	f
18	pink quartzite	9	4	2.5	6.0	flake			crushed	f
19	grey silcrete	7	6	1.4	6.5	flake			crushed	f
20	quartz	13	7	3	9.5	flake			crushed	crushed
R3 A:14	0				0.0			0	0	0
1	grey quartzite	15	18	6	16.4	flake			B/U	A
2	red silcrete	13	9	3	10.8	flake tool		geometric backed blade, chord undamaged		F
3	greenstone?	13	11	3	12.0	flake of ground implement			B/U	F
4	grey quartzite	11	6	4.5	8.1	flake			crushed	crushed
5	red silcrete	10	6	2	7.7	flake proximal			crushed	0
6	grey silcrete	7	9	2	7.9	flake proximal	10%		crushed	0
7	quartz	11	10	2	10.5	flake fragment			0	0
8	quartz	12	9	4	10.4	flake tool		UW one side	crushed	f
9	quartz	14	8	4	10.6	flake fragment			0	0
10	quartz	10	5	2	7.1	flake fragment			0	0
11	quartz	14	4	3	7.5	flake			crushed	crushed
12	quartz	9	6	1.5	7.3	flake distal			0	f
13	chert	30	10	4	17.3	flake tool, triangular		notched, scalar 1 side	0	f
R3 A:15	0				0.0			2 pointed retouched ends	0	0

Appendix 5.4 Ravensworth Stone Artefact Data

1	quartz	14	14	4	14.0	flake	10%		crushed	P
2	quartz	17	8	5	11.7	flake			crushed	crushed
3	quartz	6	12	4	8.5	flake distal, tool		UW on end	0	0
4	quartz	9	9	3	9.0	flake			crushed	crushed
5	quartz	8	8	1	8.0	flake			B/U	F
6	quartz	13	7	3	9.5	flake			crushed	F
7	grey quartzite	11	10	2	10.5	flake			F/U	A
8	grey silcrete	10	7	1	8.4	flake distal			0	F
9	quartz	11	5	3	7.4	flake			B/U	A
10	quartz	10	8	4	8.9	flake fragment			0	0
11	red silcrete	9	6	2	7.3	flake	40%		crushed	crushed
12	quartz	8	6	1	6.9	flake			crushed	crushed
13	quartz	9	7	3	7.9	flake fragment			0	0
R3 A:16	0				0.0		0		0	0
1	red silcrete	17	7	1.4	10.9	flake			F/U	F
2	red silcrete	5	10	1	7.1	flake distal			0	f
3	grey silcrete	11	11	1.7	11.0	flake			crushed	P
4	pink grey silc	10	12	3	11.0	flake tool "adze"		bifacial 1 edge	B/U	A
5	quartz	13	12	3	12.5	flake			crushed	f
6	quartz	9	13	3	10.8	flake fragment			0	0
7	grey silcrete	12	7	2	9.2	flake fragment			0	0
8	black hornfels	13	8	3.5	10.2	flake			crushed	crushed
9	quartz	13	6	2	8.8	flake split cone			crushed	f
10	quartz	11	8	5	9.4	flake			B/U	H
11	quartz	9	8	4	8.5	flake fragment			0	0
12	quartz	13	6	1.7	8.8	flake fragment			0	0
13	quartz	8	5	1.7	6.3	flake fragment			0	0
14	microcrystalline	9	7	2	7.9	flake	55%	smooth pebble	crushed	f
15	beige quartzite	8	9	2.2	8.5	flake			B/U	H
16	beige silcrete	11	5	3	7.4	flake			crushed	f

Appendix 5.4 Ravensworth Stone Artefact Data

17	quartz	10	6	2	7.7	flake			crushed	crushed
18	quartz	8	7	1.7	7.5	flake			crushed	f
19	quartz	9	6	2	7.3	flake			crushed	crushed
20	quartz	8	5	3	6.3	flake proximal			crushed	0
21	quartz	9	6	2.4	7.3	flake			B/U	f
22	quartz	8	10	3	8.9	flake			B/U	f
23	quartz	6	6	1.3	6.0	flake fragment			0	0
24	quartz	7	5	5	5.9	flake fragment			0	0
25	pink quartzite	6	5	1.4	5.5	flake distal			0	f
26	red silcrete	7	7	1.5	7.0	flake distal			0	f
R3 A:17	0				0.0		0		0	0
1	grey silcrete	20	13	8	16.1	bipolar core split	25%	rough cortex	0	0
2	grey silcrete	21	10	3.8	14.5	flake			crushed	crushed
3	grey quartzite	12	18	2.8	14.7	flake			crushed	p
4	grey quartzite	16	10	3	12.6	flake split cone			crushed	f
5	beige quartzite	8	11	3.5	9.4	flake fragment			0	0
6	beige quartzite	12	8	2.7	9.8	flake			crushed	p
7	beige quartzite	12	11	2.3	11.5	flake proximal			crushed	0
8	microcrystalline	9	10	5	9.5	flake fragment			0	0
9	quartz	13	8	4	10.2	flake	55%	pebble smooth	crushed	crushed
10	microcrystalline	11	7	3	8.8	flake			crushed	crushed
11	beige quartzite	14	9	3.3	11.2	flake	65%	pebble smooth	crushed	crushed
12	quartz	17	13	2.4	14.9	flake split cone			crushed	crushed
13	quartz	11	11	2.1	11.0	flake			crushed	A
14	quartz	13	7	4.3	9.5	flake tool -burin ???		end retouch & UW	crushed	0
15	quartz	18	6	6	10.4	flake			crushed	crushed
16	quartz	6	10	3	7.7	flake distal			0	crushed
17	quartz	16	6	3.3	9.8	flake fragment			0	0
18	quartz	8	7	2.8	7.5	flake fragment			0	0
19	quartz	8	5	3	6.3	flake fragment			0	0

Appendix 5.4 Ravensworth Stone Artefact Data

20	quartz	10	7	3	8.4	flake	15%	pebble smooth	B/U	A
21	quartz	8	6	4	6.9	flake fragment			0	0
22	quartz	10	6	2	7.7	flake			crushed	crushed
23	quartz	5	10	4	7.1	flake fragment			0	0
24	quartz	8	6	2	6.9	flake fragment			0	0
25	quartz	10	3	3	5.5	flake			crushed	crushed
26	microcrystalline	11	6	2	8.1	flake fragment	20%	pebble smooth	0	0
27	pink grey silc	11	6	1.5	8.1	flake			F/U	F
28	quartz	9	6	2	7.3	flake fragment			0	0
R3 A:18	0				0.0	0			0	0
1	quartz	5	8	1	6.3	flake distal			0	f
2	quartz	5	7	1.3	5.9	flake			B/U	f
3	quartz	8	5	2	6.3	flake fragment			0	0
4	quartz	16	9	4	12.0	flake tool notch+step 1 side		cusate side2, tip broken	crushed	0
5	quartz	14	7	3	9.9	flake tool	10%	pebble platform, tip brok	crushed	0
6	quartz	15	8	3.9	11.0	flake			crushed	f
7	grey silcrete	13	8	1.3	10.2	flake	20%		crushed	f
8	beige quartzite	9	6	1.1	7.3	flake			crushed	f
9	grey silcrete	8	7	1.3	7.5	flake			crushed	H
10	quartz	8	6	3	6.9	flake			crushed	crushed
	0				0.0	0			0	0
A:20	black quartzite	20	27	5.8	23.2	f conchoidal tool		UW	F/U	A
R3 A:21	0				0.0	0			0	0
1	black hornfels	10	7	2.5	8.4	flake proximal			crushed	0
2	black hornfels	6	6	1.7	6.0	flake fragment			0	0
3	black hornfels	11	6	3.5	8.1	flake fragment			0	0
4	microcrystalline	10	5	2	7.1	flake			crushed	f
5	quartz	12	15	8	13.4	bipolar core split			0	0
6	quartz	17	9	3.5	12.4	flake split cone			0	P
7	quartz	9	9	2.3	9.0	flake			B/U	f

Appendix 5.4 Ravensworth Stone Artefact Data

8	quartz	10	7	3	8.4	flake			crushed	f
9	quartz	9	5	2	6.7	flake			F/U	A
10	quartz	12	5	4	7.7	flake fragment			0	0
11	quartz	12	6	5	8.5	flake	20%	rough pebble	crushed	A
12	quartz	11	7	2.6	8.8	flake			crushed	f
13	quartz	10	11	4	10.5	flake distal, tool		UW on end	0	0
14	quartz	9	7	2	7.9	flake			crushed	f
15	quartz	12	7	4	9.2	flake fragment			0	0
16	quartz	8	7	3	7.5	flake fragment	10%	pebble smooth	0	0
17	quartz	9	4	3	6.0	flake			crushed	crushed
18	quartz	9	5	2	6.7	flake			B/U	f
19	quartz	7	6	1.8	6.5	flake			crushed	f
20	quartz	10	5	3	7.1	flake			crushed	f
21	quartz	6	5	1.5	5.5	flake fragment			0	0
22	quartz	8	6	3.5	6.9	flake proximal			crushed	0
23	quartz	5	5	0.8	5.0	flake distal			0	f
24	quartz	6	7	2	6.5	flake			crushed	A
25	chert	14	14	3.8	14.0	f conchoidal			0	f
26	microcrystalline	13	6	2	8.8	flake proximal			0	0
27	pink quartzite	14	8	3	10.6	flake			B/Bif	F
28	black hornfels	10	8	1.7	8.9	flake			crushed	P
29	black hornfels	13	9	4	10.8	flake	45%		B/U	F
R3 A:24	0				0.0		0		0	0
1	quartz	16	11	3	13.3	flake tool		scalar on 1 side	B/U	f
2	quartz	11	5	2.3	7.4	flake			B/U	f
3	quartz	14	7	2.6	9.9	flake tool		UW on tip	B/U	f
4	quartz	8	6	5	6.9	block			0	0
5	quartz	7	8	3	7.5	flake			crushed	crushed
6	quartz	8	5	3	6.3	flake			crushed	crushed
7	quartz	9	6	5	7.3	flake fragment			0	0

Appendix 5.4 Ravensworth Stone Artefact Data

8	quartz	13	7	4	9.5	flake tool		UW 1 side	crushed	f
9	chert	13	10	4.6	11.4	flake tool "adze" conch		heavy step plat tip	0	0
10	quartz	13	10	4	11.4	flake			crushed	crushed
11	grey quartzite	9	6	1.3	7.3	flake			crushed	f
12	grey silcrete	5	82		20.2	flake proximal			crushed	0
R3 A:25	0				0.0		0		0	0
1	grey quartzite	16	15	4	15.5	flake			B/U	F
2	pink quartzite	16	14	4	15.0	flake tool- geometric,bifacial flaked		chord undamaged, not backed	0	0
3	quartz	12	9	6	10.4	flake fragment			0	0
4	quartz	17	7	4.4	10.9	flake fragment			0	0
5	quartz	12	10	6	11.0	flake			crushed	p
6	quartz	7	12	4.4	9.2	flake proximal			B/U	0
7	quartz	8	8	6	8.0	flake fragment			0	0
8	quartz	7	7	3	7.0	flake			crushed	f
9	quartz	7	7	1.9	7.0	flake distal			0	f
10	quartz	8	5	3.3	6.3	flake			B/U	f
11	quartz	5	5	1.4	5.0	flake fragment			0	0
12	quartz	6	5	1.5	5.5	flake fragment			0	0
13	grey silcrete	12	7	2.5	9.2	flake tool	10%	UW on tip	crushed	f
14	grey silcrete	9	7	1.4	7.9	flake fragment			0	0
R3 A:26	0				0.0		0		0	0
1	quartz	7	7	4	7.0	flake			B/U	A
2	quartz	8	5	3	6.3	flake fragment			0	0
3	quartz	9	6	2	7.3	flake proximal			crushed	0
4	quartz	8	4	1.5	5.7	flake			crushed	crushed
5	quartz	8	6	2	6.9	flake			crushed	f
6	quartz	6	4	4	4.9	flake fragment			0	0
7	quartz	7	5	2	5.9	flake fragment	50%	pebble smooth	0	0
R3 A:27	0				0.0		0		0	0
1	red silcrete	12	9	2.6	10.4	flake	60%	pebble smooth	crushed	f

Appendix 5.4 Ravensworth Stone Artefact Data

2	quartz	12	8	5	9.8	flake			crushed	A
3	quartz	6	10	2.6	7.7	flake proximal			B/U	0
4	quartz	8	5	3	6.3	flake			crushed	crushed
5	grey silcrete	8	5	4	6.3	flake	50%	cortex	crushed	A
6	quartz	6	6	1	6.0	flake distal			0	f
7	quartz	6	4	1	4.9	flake fragment			0	0
8	quartz	8	5	1.8	6.3	flake			crushed	f
9	quartz	8	4	3	5.7	flake fragment			0	0
10	quartz	5	6	2	5.5	flake fragment			0	0
R3 A:28	0				0.0		0			0
1	quartz	12	10	3.6	11.0	flake		waisted	B/U	A
2	quartz	7	6	2.3	6.5	flake fragment			0	0
R3 A:29					0.0		0		0	0
1	red silcrete	7	9	2.5	7.9	flake proximal			crushed	0
2	red silcrete	8	9	1.5	8.5	flake proximal			F/U	0
3	quartz	10	8	2.5	8.9	flake proximal			crushed	0
4	quartz	8	7	1.3	7.5	flake			crushed	f
5	quartz	11	6	1	8.1	flake split cone			crushed	f
6	quartz	9	3	2	5.2	flake fragment			0	0
	count/average	594					45			

NO.	MATERIAL	L	W	T	SQRT L X W	ARTEFACT TYPE	CORTEX %	RETOUCH/USE scalar/step/cus/U	PLATFORM (F/B &U/BIF)	TERMINAT. (F/H/P/A)
Lake 1	grey s.sandst	49.5	65.6	9.5	57.0	topstone, thin, flaked edge, worked both sides, no sheen but was in H2O, flat facets				
2	beige qtzite	48	38	19	42.7	tiny topstone, sheen on one surface, bottom edge flaked, top edge pounding/hammerstone, flat bottom facet				
	o				0.0	top facet slightly concave, nearly whole				
3	pink qtzite	65	34	19	47.0	flake				
4	grey qtzite	59	42	25.5	49.8	broken dish/mortar?, one facet ground, slightly convex, 1edge trimmed with flaking				
5	pink qtzite	44	29.5	28.7	36.0	bipolar flaked pebble, core?	30%	grinding&sheen & minor pitting on cortex indicates pebble was pestle		

Appendix 5.4 Ravensworth Stone Artefact Data

6	black&pink qtzite	37	28	15	32.2	1 facet ground, flake off dish or topstone, no sheen			
7	grey qtzite	35	21	6	27.1	backed blade, not completed			
8	black hornfels	19	28	7	23.1	prox. Blade, weathered skin, blade scars			
9	clear qtz	16	11	4.5	13.3	flake split			
10	pink qtzite	21	16	4.4	18.3	flake			
11	pink qtzite	23	18	12	20.3	flake	5%		
12	grey silcrete	15.5	10	4	12.4	flake			
13	yellow silcrete	17	23	5	19.8	flake distal			
14	white silcrete	15	15	5	15.0	flake prox.			
15	white silcrete	17	11.6	3.3	14.0	flake			
16	qtz	11	13	6	12.0	flake tool (adze like)		distal heavy step	
17	qtz	13	10	2.7	11.4	blade distal			
18	pink qtzite	13	10	2	11.4	blade			
19	qtz	8	10	1.9	8.9	blade prox.			
20	yellow silcrete	11	10	3	10.5	flake tool (burin)			
21	white qtzite	17	14	4	15.4	blade prox. Off pebble	20%	polished by wind/water	

<i>Table 5.5.1 Tchelery 1.1 survey data</i>								
Tchelery long section 17degrees north			Tchelery Cross Section			Tchelery Cross Section thru excavation		
distance	ground surface	mound	distance	ground surface	mound	distance	ground surface	mound surface
0		0	0		0.06		0	0.03
4		0.03	6		0.1	29		0.08
9		0.08	14		0.17	40		0
13		0.17	20		0.27	49		0.13
16		0.32	24		0.44	59		0.26
19		0.44	26		0.56	65		0.46
23		0.84	30		0.9	69		0.67
27		1.33	33		1.17	80		1.3
32		1.6	39		1.57	90	0.51	1.92
38		1.84	41		1.73	101	0.63	2.15
42		1.93	43		1.8	111		2.12
47		1.87	48		1.85	114		2.13
52		1.87	50		1.85	122		2.15
56		1.83	54		1.76	132		1.96
60		1.79	57		1.67	144		1.23
65		1.73	60		1.61	153	0.42	0.42
69		1.72	63		1.56	164	0.21	
75		1.85	67		1.51	174	0.1	
82		1.76	70		1.43			
85		1.76	75		1.36			
89		1.74	78		1.24		0.67	
92		1.7	82		1.08		1.3	
98		1.69	85		0.87		1.92	
103		1.65	90		0.67		2.15	
107		1.6	95		0.46		2.12	
112		1.4	98		0.26		2.13	
117		1.3	101		0.2		2.15	
122		1.17	108		0.11		1.96	
127		0.99	113		0.02		1.23	

Appendix 5.5 Tchelery 1.1 Data

133	0.68	0.68	118	0
139	0.45	0.45		
141	0.33	0.33		
142	0.24			
148	0.19			
153	0.17			

Table 5.5.2 Tchelery 1.1 Complex Survey

Tchelery 1.8	20 m	20 m	.05 m	deflated	HR
MOUND	LENGTH	WIDTH	HEIGHT	SOIL TYPE	SURFACE CONTENTS
Tchelery 1.1	130 m	80 m	1.86 m	black	bipolar and split cores, bone points, microblades, microblade discard, shell, human bone fragments, bird bone, yabbie, fish, small mammal, dense HR
Tchelery 1.2	34 m	18 m	1.01m	grey black	dense HR, microblade discard, shell, bird bone, small mammal bone
Tchelery 1.3	55 m	45 m	1.32 m	i. black ii. orange-grey	burials, microblade, microblade discard, HR, shell, bird bone small & large mammal bone, bone points
Tchelery 1.4	67 m	35 m	1.25 m	grey black	split bipolar core, microblade discard, HR, shell, bird bone small and large mammal bone
Tchelery 1.5	18 m	18 m	.80 m	grey black	sparse microblade discard, shell, bird bone, large mammal bone, HR, calcrete nodules
Tchelery 1.6	26 m	26 m	.05 m	deflated	small HR, bird bone, other bone, burial, very sparse stone
Tchelery 1.7	26 m	20 m	.40 m	poor exposure	HR, sand cover, vegetation
Tchelery					

Appendix 5.5 Tchelery 1.1 Data

Table 5.5.3 Tchelery 1.1 excavation summary					
Layer	Spit (5cm)	Square A	Square B	Square C	Square D
1	1				
soft to very soft sediment, mottled pale grey to medium grey. Insect activity- spiders, termite centipedes, scorpions	2				Kangaroo long bone frags
rabbits dead in burrows from ripping or poison although layer ripped still see relationships	3				
eg concentrations of bone from one species	4		conc. fish vertebrae		kangaroo toe bones
2	5		rabbits dead in burrow		
soft sediment, grey, with gritty texture	6		rabbits dead in burrow		
very soft sediment where disturbed by rabbits	7		rabbits dead in burrow		
	8	sediment more compact	old rabbit burrow		
	9				
	10				
	11			Feature 1- fireplace compact sediment	
	12	sediment soft	area of compact sediment	F1	sediment soft
	13			F1 +backed bade	F 2-dark stain
	14				F2-dark stain

Appendix 5.5 Tchelery 1.1 Data

	15	large pebble			
3	16				
darker grey to grey/back					
finer texture than 2,	17	large pebble			F3-black compact sed
greasy feel, fireplace					
features	18				F3-black greasy sed. charcoal
	19			F5-black, waxy sediment	F4 dark ashy feature
				shell, burnt bone	F3
	20			F6-black & grey	F3
				ashy deposit	
	21				
	22			F7 small compact	bilby in burrow
				dark dep., heat ret.	
	23	black deposit & heat ret.			F8- dark deposit
	24				"
4	25				"
dark brown-grey, ash and					
charcoal rich, greasy/ waxy feel	26				F8-cluster of heat retainers, black, ashy
					F9-compact hearth
In C & D sub-layer of					F10-hearth w. baked
compact, black, ash &					clay base
charcoal rich sediment,	27				F8
greasy/waxy					
	28	black compact deposit			F 8

Appendix 5.5 Tchelery 1.1 Data

	29			black blue ashy deposit	uneven junction with
				microblade	compact orange sands,
5	30	uneven junction with	uneven junction with	uneven junction with	2 post holes, F11
sterile yellow-orange		compact orange sands	compact orange sands	compact orange sands	hearth in clay base
clay rich sand, very hard,	31	sterile orange clayey sand	sterile orange clayey sand	sterile orange sands	sterile orange sands
mottled with white &					
black minerals	32	"			

Table 5.5.4 Range of Faunal Species in Tchelery 1.1

GROUPS	SPECIES ID	COMMON PARTS FOR ID
mussel	<i>Velesunio</i>	shell
fish	murray cod	Bone (rare large vertebrae)
	golden perch	bone, otolith (only 2)
	other?	
f. w. crayfish	yabby	gastoliths, nippers
bird	?water birds	bone, egg shell
	emu	egg shell
rats/mice	several sp.	teeth, bone, jaws
small	<i>Isoodon (bandicoot)</i>	teeth, jaws, bone
marsupial	<i>Perameles (bandicoot)</i>	teeth, jaws, bone
	<i>Macrotis (bilby)</i>	whole skeleton, teeth
	<i>Trichosarus (b.t. possum)</i>	Jaw (only 1)
	<i>Lagorchestes (hare wallaby)</i>	teeth
	<i>Bettongia lesueur (bettong)</i>	jaws, teeth
	<i>Dasyurus (quoll)</i>	jaw,teeth
large	<i>Macropus (grey? kangaroo)</i>	teeth, phalanges, long bone
marsupial	<i>Vombatus (wombat)</i>	Tooth (1 only)
monotreme	echidna	bone
reptiles	goanna	jaws,vertebrae
	snake	jaws, vertebrae
	turtle	shell

Table 5.5.5 Tchelery Stone Artefact Sample Data

WINDOW	SAMPLE NO.	AREA M	GPS E			RECORDER:..S.Martin.....DATE...1995....NOTES:Excavation material				
	A:1	1X 2.m	GPS N							
NO.	MATERIAL	L	W	T	SQRT	ARTEFACT TYPE	CORTEX	RETOUCH/USE	PLATFORM	TERMINAT.
					L X W	Core, Flake, Block, Tool...	%	scalar/step/cus/U	(F/B &U/BIF)	(F/H/P/A)
1	qtz	13.4	11.9	9	12.6	flake bipolar crushing			crushed	crushed
2	qtz	10.1	8.9	5.4	9.5	block				
3	brown qtzite	23.7	22.4	12.4	23.0	broken pebble pestle?	60%	1 facet ground		
4	silcrete	12.3	15.6	3.6	13.9	flake	50%		F/U	F
5	silcrete	11.8	10.5	3.5	11.1	flake		2 blade scars	B/U	H
6	fine pale qtzite	15.8	11.4	6.6	13.4	flake		core rej.	B/U	P
7	grey chert	11.9	9.1	6	10.4	flake tool	20%	step I edge		
8	d.grey metam.	13.7	13.3	4.5	13.5	flake			B/U	F
9	d.grey metam.	13	9.7	6	11.2	block	40%			
10	d.grey metam.	10.3	8	3.1	9.1	flake		minor plat crushing	B/U	crushing
11	d.grey metam.	11.8	9.3	4.5	10.5	flake		core rej.	B/Bif	F
12	d.grey metam.	13.5	7.3	2.6	9.9	flake		bending fracture	B/U	A
13	d.grey metam.	11.9	8.8	4.1	10.2	flake		bending fracture	B/U	F
14	d.grey metam.	8.6	8.3	1.8	8.4	flake fragment				
15	d.grey metam.	12.9	12.1	2.4	12.5	flake			F/U	F
16	d.grey metam.	10.1	8.7	2.6	9.4	flake			crushing	crushing
17	fine pale qtzite	14.3	17.4	4.7	15.8	flake			B/U	H
18	fine pale	13.8	8.7	4.6	11.0	flake			B/Bif	F

Appendix 5.5 Tchelery 1.1 Data

	qtzite									
19	fine pale qtzite	6.7	13	4	9.3	flake			B/U	F
20	fine pale qtzite	12	9	1.8	10.4	flake			B/U	F
	A:2						0		0	
1	fine s.stone	22	21.6	6.7	21.8	grinding dish fragment, top & bottom ground facets, +1 side, sheen				
2	coarse qtzite	25	22	8.7	23.5	flake off grinder/mortar?, top of qtz crystals ground off, not a smooth surface				
3	red silcrete	12	9.5	4	10.7	flake			crushed	F
4	pink qtzite	28.6	17	5	22.0	flake			F/U	F
5	yellow silc	24	21	5.9	22.4	flake			crushed	P
6	grey pink silc	18.5	18.6	4.3	18.5	flake tool, straight edge		scalar + usewear	F/U	P
7	grey hornfels	20	15	5.5	17.3	block				
8	red silcrete	9.6	16.5	4	12.6	flake distal			B/U	
9	fine grey silc	18.7	16	5	17.3	flake tool, 1 nosed edge, 1 straight edge, scalar + usewear			B/U	F
10	coarse beige silc	13	14	4	13.5	flake			B/U	P
11	coarse beige silc	14	13	3	13.5	flake			B/Bif	H
12	coarse beige silc	12.8	9	2	10.7	flake			crushed	F
13	fine beige silc	18.6	10	5	13.6	flake	15%		crushed	F
14	grey pink silc	10	16	3	12.6	flake	25%		crushed	crushed
15	grey pink silc	16	11	10	13.3	core bipolar split				
16	grey silc	11	18	7.6	14.1	flake proximal	50%		F/U	
17	grey silc	16	10	3.5	12.6	flake			crushed	crushed
18	pink qtzite	16	12	5	13.9	flake split cone			crushed	crushed
19	grey silc	9	9	2.7	9.0	flake proximal			B/Bif	
20	pink silcrete	12.6	9.5	3.3	10.9	flake			B/U	F
21	coarse beige silc	12	7	3	9.2	flake			crushed	crushed

Appendix 5.5 Tchelery 1.1 Data

22	coarse beige silc	10	12	3	11.0	flake			crushed	H
23	chert	12	7	3	9.2	flake			B/Bif	F
24	coarse grey silc	13	12	5	12.5	flake proximal			crushed	
25	coarse grey silc	15	9	4	11.6	flake			crushed	crushed
26	coarse grey silc	12	8	4.5	9.8	flake			B/U	F
27	red silcrete	11	9	2.3	9.9	flake			crushed	F
28	grey silc	14	10	4.4	11.8	flake			B/U	P
29	fine grey silc	11	8.6	3	9.7	flake			crushed	crushed
30	red silcrete	10	5	2.8	7.1	flake			B/U	F
31	grey silcrete	8	7	2	7.5	flake fragment				
32	grey silcrete	11	4.5	3	7.0	flake			crushed	A
33	qtz	13	17	5	14.9	flake			crushed	crushed
34	qtz	10	15	4	12.2	flake			crushed	F
45	qtz	17	13	4	14.9	flake			crushed	crushed
46	qtz	13	9	2	10.8	flake			F/U	F
47	qtz	13	18	7	15.3	flake			crushed	A
48	qtz	20	10	3	14.1	flake			crushed	crushed
49	qtz	10	8	4.5	8.9	flake			crushed	crushed
50	qtz	11.5	9	3.7	10.2	flake			crushed	crushed
	D:7					.			.	.
1	grey silc	21	16	11		bipolar split core				
2	sandstone	28	12	5.5		block		off grinding dish? -no ground surface		
3	qtz	18	14	4		flake			crushed	crushed
4	qtz	16	12	3		flake			crushed	F
5	qtz	11	11	2.6		flake	40	off pebble	crushed	crushed
6	qtz	10	9	2.4		flake			crushed	F
7	qtz	12	13	4.5		flake			crushed	crushed
8	qtz	11	7	2.4		flake			crushed	crushed
9	qtz	16.7	7.3	4.4		flake			crushed	crushed

Appendix 5.5 Tchelery 1.1 Data

10	qtz	9	5	2	flake			crushed	feather
11	qtz	9	8.6	3	flake			crushed	crushed
12	qtz	10	6	3.8	flake fragment			.	.
13	chert	15	13	4	flake tool		scalar + usewear	crushed	abrupt
14	chert	12	8	3	flake		potlid	crushed	crushed
15	coarse grey silc	16	12	4.5	flake fragment			.	.
16	coarse grey silc	11	8	2.5	flake proximal			crushed	.
17	qtzite	10	7	2	flake fragment			.	.
18	grey silcrete	9	8	1.5	flake			F/U	feather
19	silcrete	12	9	1.2	flake			crushed	feather
20	black qtzite	17	9	2	flake			F/U	feather
21	black qtzite	12	8	2	flake		3 potlids	F/U	feather
22	black qtzite	15	7	5	block			.	.
23	chert	8	11	3.3	flake			crushed	feather
24	black qtzite	14	8	4	flake proximal			.	feather
25	silcrete	7	12	3.9	flake			B/U	hinge
26	silcrete	10	6.5	4	flake			B/U	feather
27	black qtzite	9	8	2.6	flake fragment			.	.
28	qtz	13	5	2	flake			crushed	crushed
29	silcrete	12	6	2	flake			F/U	plunge
30	silcrete	7.4	7.5	2.2	flake			F/U	feather
31	silcrete	17	8	5	block			.	.
32	silcrete	10	9	4	flake fragment			.	.
33	silcrete	13.5	8	3	flake			crushed	crushed
34	pink silcrete	10.5	8.6	2	flake			crushed	feather
	A7				.			.	.
1	red silcrete	15	19	15	bipolar split core			.	.
2	coarse grey silc	21	20	8.5	flake - core resharpening			F/U	abrupt
3	red silcrete	16	11	4	flake -conchoidal			B/Bif	abrupt
4	red silcrete	13	11	5	flake			crushed	feather

Appendix 5.5 Tchelery 1.1 Data

5	red silcrete	13	8	4	flake			B/U	feather
6	pink silcrete	10.6	13	2	flake tool - thumbnail with step/usewear			crushed	plunge
7	pink silcrete	11	14	2	flake			B/U	abrupt
8	red silcrete	14	11	5	flake			crushed	feather
9	red silcrete	10	7	2	flake			B/U	feather
10	red silcrete	15	11	4	flake			B/U	feather
11	yellow silc	15	9	4	flake			crushed	plunge
12	yellow silc	12	8	2.6	flake			B/Bif	abrupt
13	pink silcrete	13	10	2	flake split cone	15		B/U	feather
14	red silcrete	15	6	4	flake fragment			.	.
15	grey silc	14	9	4	flake tool		broken thumbnail	crushed	crushed
16	cream silc	12	9	2	flake			crushed	feather
17	cream silc	11	12	2	flake	10		B/U	feather
18	fine grey silc	10	6	2	flake			crushed	feather
19	fine grey silc	9	10	4	flake fragment		triangular	.	.
20	fine grey silc	9	11	5	flake tool		scalar -broken	.	.
21	fine grey silc	10	7	6	block			.	.
22	pink silcrete	9	8	2	flake fragment			.	.
23	fine grey silc	10	8	6	block			.	.
24	qtz	17	9	6	flake			crushed	crushed
25	qtz	12	12	4	flake	50	off pebble	crushed	feather
26	qtz	12	9	5	flake			B/U	feather
27	qtz	14	8	4	flake split cone			crushed	crushed
28	qtz	11	7	7	flake	60		crushed	abrupt
29	qtz	8	12	2	flake			crushed	feather
30	qtz	9	10	4	flake			B/U	plunge
31	qtz	12	6	3	block			B/U	plunge
32	qtz				.			.	.
	B7				.			.	.
1	sandstone	32	25	7.6	thin tabular grinding material - no sheen			.	.
2	fine grey silc	16	12	4	flake tool		geometric b.blade	B/U	abrupt
3	red qtzite	22	18	3	flake	40	off pebble	F/U	feather

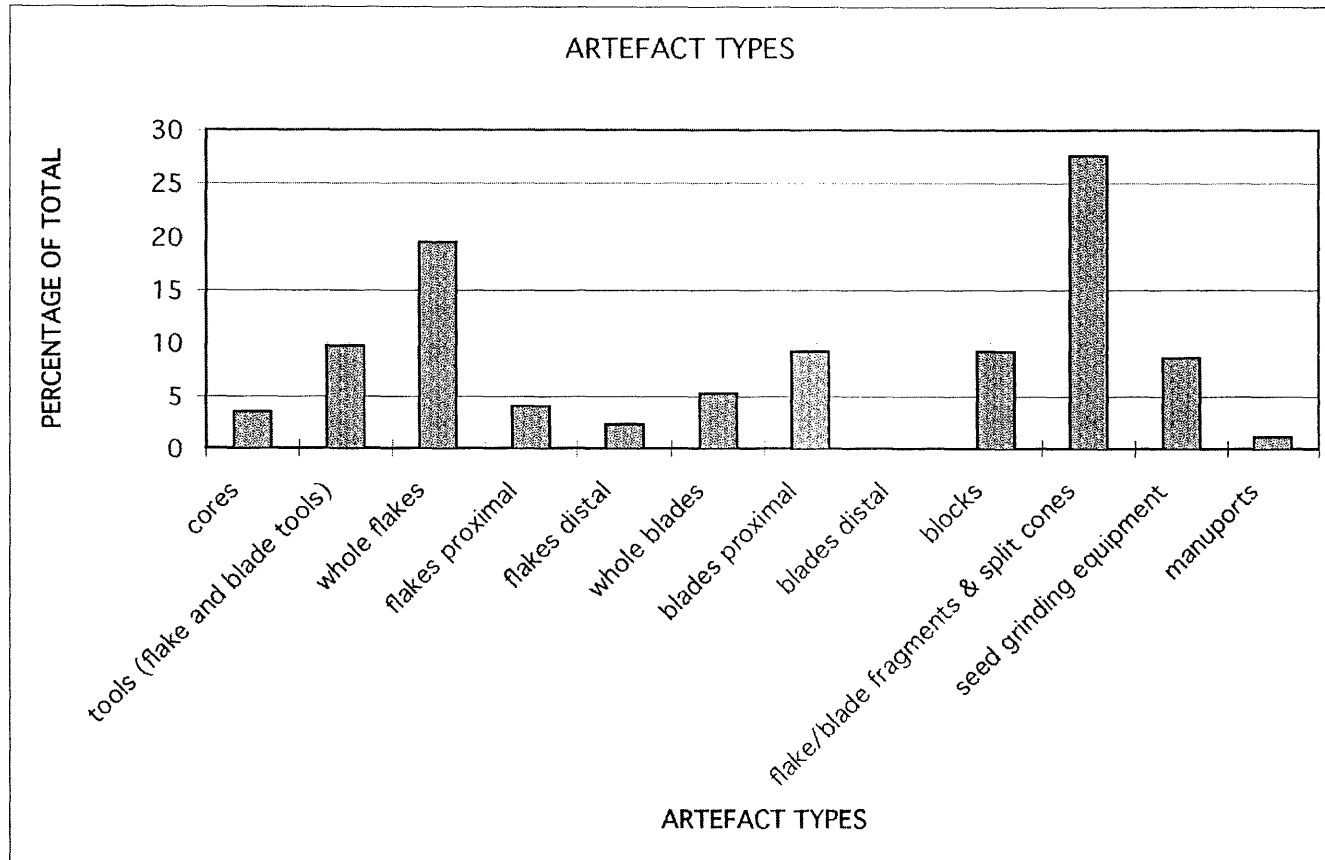
Appendix 5.5 Tchelery 1.1 Data

4	black qtzite	16	12	3.5	flake	60	off pebble	crushed	crushed
5	cream qtzite	8	8	1.5	flake	5		B/U	feather
6	black qtzite	14	11	3	flake tool		snapped b.blade	.	.
7	red silcrete	14	9	5	flake			crushed	feather
8	grey silcrete	11	18	3.7	flake			crushed	feather
9	grey silcrete	14	15	6	flake proximal			F/U	.
10	grey silc	12	10	3	flake	20		B/U	abrupt
11	grey qtzite	12	14	5	flake proximal			crushed	.
12	fine grey silc	12	7	7	flake	10		crushed	crushed
13	grey silcrete	12	8	3	flake			F/U	feather
14	qtz	13	8	2.5	flake			crushed	crushed
15	qtz	13	11	3	flake proximal			crushed	.
16	qtz	10	15	5	flake proximal			crushed	.
17	qtz	10	6	2	flake			crushed	crushed
	D9				.			.	.
1	red chert	21	7	6	manuport pebble			.	.
2	fine grey silc	17	28	6	flake		burnt	crushed	feather
3	grey silcrete	22	12	3.6	flake			crushed	feather
4	grey silcrete	15	10	2	flake			F/U	feather
5	grey silcrete	11	9	2	flake			crushed	hinge
6	grey silcrete	19	14	3	flake			crushed	feather
7	cream silc	12	9	1.7	flake			crushed	crushed
8	black qtzite	8	13	2	flake			B/U	feather
9	pink silcrete	8	9.8	3	flake proximal			crushed	.
10	qtz	9	14	3	flake proximal			crushed	.
11	pink grey sil	15	9	6	flake			F/U	plunge
12	black qtzite	13	8	3	flake			B/U	feather
13	grey silcrete	11	7	2	flake			crushed	crushed
14	grey silcrete	8	9	2	flake proximal			B/U	.
15	grey silcrete	11	11	3	flake distal			.	feather
16	grey silcrete	12	7	3	flake split cone			crushed	abrupt
17	grey silcrete	10	7	4	flake fragment			.	.

Appendix 5.5 Tchelry 1.1 Data

18	qtz	13	11	2	flake			B/U	feather
19	qtz	8	14	4	flake fragment			.	.
20	qtz	11	8	3	flake			crushed	crushed
21	qtz	12	6	4	flake			crushed	crushed
22	qtz	9	11	4	flake			crushed	crushed
	B9				.			.	.
1	red silcrete	14.5	13	5.8	backed blade		backing 3 sides, usewear on chord?	.	.
2	grey qtzite	18.4	12.5	2	backed blade		backing 3 sides	.	feather
3	pink qtzite	21.5	8	2.6	blade			B/U	abrupt
4	grey qtzite	22	23	3.3	flake proximal		off mortar	crushed	.
5	grey qtzite	26	16	9.5	block			.	
6	white qtzite	14	14	3	flake tool		notch	B/Bif	feather
7	qtz	15	9.5	4	flake		bipolar	B/U	abrupt
8	chert	19	13	4.7	flake tool		usewear?	F/U	feather
9	pink grey sil	19	14	5	flake tool	10	scalar distal edge	crushed	feather
10	yellow silc	9.5	8.7	2	flake fragment			.	.
11	clear qtz	14	8	6	block	20	pebble, hstone?	.	.
12	qtz	12	6	6	flake fragment	10			
13	black hornfels	17	8	7	flake		bipolar	B/U	crushed
14	cream silc	15	9	2	flake		blade	F/U	feather
15	pink grey sil	12.6	8	2.3	flake	15	off pebble	B/U	plunge
16	grey silcrete	16	11	7	flake	65	decort. Bipolar	crushed	abrupt
17	qtz	10.5	6	3	flake			crushed	crushed
18	red silcrete	6.5	10	3	flake fragment			..	.
19	grey silcrete	6	13	3.3	flake proximal			crushed	.
20	grey silcrete	8	10	2.6	flake fragment			..	.
21	chert	12.5	8.7	4	block			.	.
22	chert	14	7.5	5	flake			B/U	plunge
23	pink grey sil	11	8	2.5	flake			crushed	feather

Figure 5.6.1 Gundaline Sample Artefacts



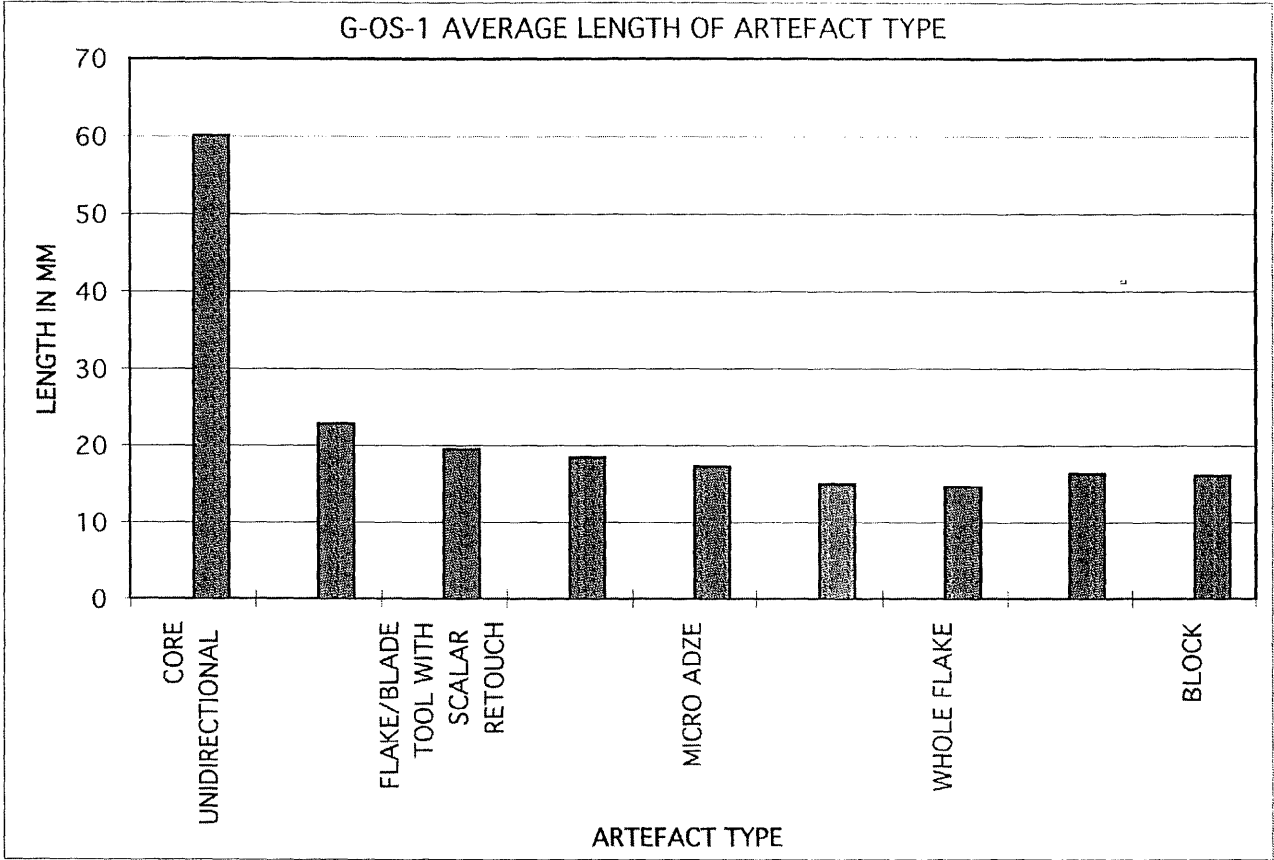


Table 5.6.1 Gundaline Stone Artefact Data

WINDOW	SAMPLE NO.	AREA M	GPS E								
G-OS-1	main	180X20m	GPS N								
NO.	MATERIAL	L	W	T	SQRT L X W	ARTEFACT TYPE Core, Flake, Block, Tool..	CORTEX %	RETOUCH/USE scalar/step/cus/U	PLATFORM (F/B &U/BIF)	TERMINAT. (F/H/P/A)	
	SANDSTONE										
12	fine beige	45.4	33.9	13.8		fragment of seed grinding		ground face, sheen			
.	well cemented				dish -soft seeds		trimmed edge				
.	sandstone										
128	"	36	25.4	5.3		"		ground face, sheen			
110	coarse beige	43.3	26.7	20.3		"		ground face, trimmed edge			
.	poorly										
.	cemented s.s										
176	fine orange	41	39	8.9		"		ground face, sheen			
.	well cemented										
.	s.s										
172	fine beige					7 fragments of seed grinding		ground surface with sheen			
.	well cemented					dish, 6 of which fit together		4 grinding facets			
a	s.s	80	75	14				trimmed edge			
b		222	125	16							
c		122	113	11							
d		101	71	14							
e		114	100	11							
f		52	35	6							
g		128	71	17							

Appendix 5.6 Gundaline Artefact Data

178a	fine grey				fragment of seed grinding	ground top and bottom
	well cemented				equipment for soft seeds	trimmed edge
	s.s				may be topstone	
178b	fine orange	33	21.6	6.9	fragment of seed grinding	ground surface, sheen
	well cemented				dish -soft seeds	
	s.s					
109	pink granite	89.7	59.6	33.6	top grinder? wet stone?	one facet with grinding
					rounded granite pebble	and sheen
135	grey brown	49.5	46.5	34.3	fragment of mortar with	bowl with pitting
	well cemented				part of bowl visible	ground surface on sides
	s.s				bottom and sides show some	and bottom, sides hammer
					polish which may indicate	trimmed
					was also used as a topstone	
55	yellow	16.8	13.4	4	fragment of seed grinding	surface not ground
	well cemented				dish?	
	s.s					
53	"	28	21.7	4.5	fragment of seed grinding	very thin and recently
					equipment -soft seeds	snapped (sheep?)
						ground surface with sheen
127	coarse beige	20.8	14.8	8	fragment of seed grinding	ground surface with sheen
	s.s				equipment -soft seeds	
143	red well	24.7	18.1	6	fragment of soft seed	ground surface and sheen
	cemented s.s				grinding equipment	

Appendix 5.6 Gundaline Artefact Data

111	beige well cemented s.s	21.8	11	6	fragment of soft seed grinding equipment		ground surface		
	SILCRETE								
44	pink silcrete60.2	60.2	38.5	30.6	core-unidirectional blades removed, blade scars 29,24 &25 mm	25%			
20	grey silcrete	14.3	11	2.3	blade distal		usewear		
10	"	21	18.8	3.8	blade proximal			B/BIF	
120	yell silcrete	16.7	27.5	5	flake proximal			crushed	
11	red/grey silcrete	12.4	17.6	7	flake proximal			F/U	
42	red silcrete	16	12	5.5	flake fragment, split cone			B/U	
43	grey silcrete	15	10.8	5.8	flake tool	10%	scalar retouch 1 side	crushed	A
46	brown sil	10.7	7.3	2.6	flake			crushed	F
126	red/grey sil	12.3	10	2.6	flake fragment, split cone	10%			
164	"	17.5	12.2	3.1	blade	10%		crushed	F
22	"	20	14.9	10	block	20%			
153	yell sil	10.8	10.5	2.5	blade proximal			F/U	

Appendix 5.6 Gundaline Artefact Data

154	red/grey sil	8.3	7	2		flake			F/U	F
107	pink sil	16.9	12.3	2.6		flake			B/U	F
108	yell sil	7.8	6.8	2.8		flake distal				F
63	pink sil	10.2	6.4	1.5		bladlet			F/U	F
47	grey silcrete	19.2	8.7	2.7		blade			B/U	P
48	grey sil	11.5	13.8	4.1		blade proximal	10%		F/BIF	
100	"	10.8	7.5	2.3		geometric backed blade		edge damage on chord? backing on 3 sides		
99	"	11.5	18.6	5.4		flake fragment	15%			
37	"	12.8	8.2	3.3		flake			crushed	F
70	"	20.6	15.2	3		blade proximal			F/U	
13	red sil	11.2	9.2	2.5		blade proximal			F/U	
36	red silcrete	10.5	9.3	2.9		blade proximal			F/U	
72	pink silcrete	15.8	10.5	4.2		flake split cone	10%			
52	red silcrete	18.6	10.1	3.8		blade			F/U	P
90	red silcrete	7.5	8.6	2.1		blade proximal			F/U	
29	yellow sil	20	15	3.6		blade			crushed	crushed

Appendix 5.6 Gundaline Artefact Data

131	yellow sil	14.8	7.8	2.2		blade proximal			crushed	
156	red silcrete	17	16.4	5		flake			B/U	F
157	grey silcrete	16.5	12.7	3		blade proximal			F/U	
158	yellow sil	7.3	5	1.5		bladelet proximal			crushed	
159	orange sil	12.8	9.8	3.2		flake with blade scar			F/U	H
129	red/grey sil	12	11	5.6		block				
68	grey silcrete	15	8.4	3.1		flake split cone	10%		F/U ?	F
24	pink/grey sil	19.5	9	3.7		geometric backed blade unfinished tool		backing unfinished		
134	pink sil	12.6	9	1.4		blade			F/U	F
17	orange sil	11.7	15.3	5		flake	10%		B/U	F
25	red silcrete	16.3	11.5	2.2		blade			crushed	F
26	red sil	12.7	6.8	5.2		flake fragment				
61	brown sil	10	9.3	1.5		blade proximal			B/U	
101	grey sil	17	12	4		blade proximal			B/U	
58	beige sil	17.2	8.9	4.7		micro-adze tool		heavy step flaking		
8	silcrete	10	10	4.5		flake fragment				

Appendix 5.6 Gundaline Artefact Data

19	red silcrete	18.5	28.4	7.7		flake tool	20%	usewear	F/U	A
141	grey sil	18.7	17	4.4		flake	20%		F/U	F
104	red silcrete	22.4	8.3	3.3		blade tool with notch		notch and point broken off may have been a graver	B/U	F
121	red sil	13	8	3.5		flake proximal		blade scars	crushed	
102	grey sil	10.6	6.9	2.2		blade fragment				
103	red sil	19.9	14.2	4.6		flake			crushed	crushed
95	red sil	11.2	6.8	2.8		flake			B/U	A
96	red sil	12.8	5.1	2.7		flake			F/U	F
167	red sil	8.9	7.9	1.7		flake proximal			F/U	
168	beige sil	17.4	10.7	6.2		flake split cone			F/U?	F
169	beige sil	16.6	12.3	4.7		flake proximal			F/U	
69	pink sil	9.4	6.6	1.2		flake			crushed	crushed
94	grey sil	8.1	6	3.2		flake fragment				
77	red silcrete	11	10.5	2.1		blade proximal			F/U	
78	grey sil	12.6	9.9	3		flake fragment				

Appendix 5.6 Gundaline Artefact Data

27	grey sil	11.8	10.2	6		flake distal				F
28	grey sil	8	6.7	3		flake fragment				
14	grey sil	16.2	12.8	4.7		flake split cone	10%		crushed	crushed
81	red silcrete	9.1	7.6	1.7		flake split cone			F/U	F
82	beige sil	6.7	7.1	1.6		flake			F/U	F
3	grey sil	14.1	13.2	4.4		flake tool		scalar retouch one side	crushed	F
144	pink sil	14.5	10.5	1.8		flake proximal			B/U	
145	red silcrete	13.7	13.7	4.5		flake	15%		F/U	A
146	red sil	10.3	4.5	1.8		flake fragment				
147	red sil	8.2	5.8	1.3		flake fragment				
115	beige sil	12.8	12	2.4		flake			crushed	F
125	red silcrete	15.2	8.5	3.5		backed blade	10%	backing, unfinished, only 1/4 backed	removed	F
84	grey sil	14	12.6	2		flake fragment				
85	orange sil	7.7	10.1	2.8		flake distal				F
49	brown sil	15.8	12.8	2.5		flake			crushed	F
51	beige sil	11.4	6.6	3		flake fragment				

Appendix 5.6 Gundaline Artefact Data

112	beige sil	12.6	6.8	2		blade tool		usewear		
89	red silcrete	19.8	9.9	2.8		blade			crushed	F
119	red sil	9.3	8.3	2		flake fragment				
123	red sil	8.4	13	3.7		blade fragment				
124	beige sil	8	6.5	4.8		flake fragment				
87	beige sil	12.1	7.8	2.4		blade			crushed	F
93	red silcrete	13.5	10.1	5.6		flake			F/bifacial	A
15	grey sil	37.1	21.6	7.3		flake			B/U	P
	QUARTZITE									
32	beige qtzite	13.1	9.2	2.6		blade proximal			B/U	
33	qtzite	14	11	2.3		small polished flat pebble				
						no known use				
31	grey qtzite	15.4	12.5	3.1		flake		scalar retouch one side	split cone	F
21	"	22.4	16.8	8.6		core-bipolar split	30%	pebble cortex, crushing		
7	"	22	22	15.3		bipolar core		crushing		
45	brown qtzite	17.7	14.7	5.1		flake			crushed	A
136	pink qtzite	16.9	2.8	2.9		flake			crushed	F

Appendix 5.6 Gundaline Artefact Data

54	grey qtzite	10	7.6	2.2		flake fragment distal				F
37	white qtzite	22.5	17.7	5		flake tool		scalar retouch -straight	B/U	F
								side		
132	black qtzite	10	6	1.7		blade fragment				
31	brown qtzite	1504	11.5	3.6		flake fragment tool		usewear		
						split cone				
56	black qtzite	32	15.8	9.6		block	40%			
							pebble			
116	"	28	19	16		block	15%			
							pebble			
57	yellow qtzite	31.2	16.9	7.7		flake tool		scalar retouch on straight	B/U	P
								edge, usewear on opposite		
								edge		
92	yellow qtzite	12.5	10.6	2.2		flake			crushed	F
139	"	17.2	8.6	6.1		flake fragment				
122	black qtzite	18.2	10	5		block				
38	brown qtzite30.1	19.4	16			pebble, manuport	100%			
39	white qtzite	10.1	7.2	3.9		flake fragment				
	OTHER									
148	mudstone	15.2	10.6	5.5		flake proximal ?		possible usewear	crushed	
	siliceous							polishing on one side		

Appendix 5.6 Gundaline Artefact Data

30	pink chert	19.3	13.9	13.3		bipolar core - blade core	10%	blade removed 15.9mm		
142	brown sil. mudstone	30.6	20.1	7.5		flake			crushed	F
80	mudstone siliceous	11.8	8.6	3.6		flake			crushed	F
	QUARTZ									
64	white quartz	12.1	8.7	3.6		flake distal				A
165	"	8.6	6	2		flake fragment				
166	"	11.8	10	4		flake fragment				
23	clear quartz					broken micro thumbnail scraper		scalar		
137	grey quartz	24.4	13.4	8		flake			crushed	F
138	white qtz	20.6	13.9	6.9		block split off bipolar core	25%		crushed	crushed
60	crystal qtz	8.4	8	2.8		flake fragment	pebble			
71	white quartz	12.5	6.3	4		flake			crushed	F
16	white qtz	18	16	4		flake fragment				
133	white qtz	18	12	7.8		block				
18	white qtz	17	8.5	5.6		flake fragment				
9	white qtz	12.3	7	5.5		block				

Appendix 5.6 Gundaline Artefact Data

59	white qtz	12.6	11.2	5.2	flake			crushed	crushed
98	white qtz	15.5	10.8	7.7	block				
130	white qtz	22.7	16.7	11.2	core bipolar split				
155	white qtz	27.5	23.3	17.5	core bipolar				
91	white qtz	7.9	5.2	2.1	flake			crushed	F
140	clear qtz	10.4	8.5	2.6	flake fragment				
105	white qtz	7.5	7.2	2.5	flake fragment				
106	quartz	8.7	5.6	2.8	flake fragment				
40	quartz	9.7	4.6	2.6	flake fragment				
41	clear qtz	5.8	4	2.5	flake fragment				
5	clear qtz	13.5	7.7	3.4	flake			crushed	F
6	white qtz	8	6.8	2.9	flake fragment				
97	quartz	9.8	6.7	5.4	block				
74	white qtz	9.3	6.2	3	flake	60%		crushed	F
75	grey qtz	7	5.6	2.9	flake fragment				
76	clear qtz	8	3.6	3	flake fragment				

Appendix 5.6 Gundaline Artefact Data

170	clear qtz	10.4	7.8	2.4	flake fragment	10%			
171	white quartz	8.9	5.3	3.3	flake fragment				
117	quartz	11.7	6.9	5.7	block	10%			
118	quartz	10.3	6	3.5	flake fragment				
79	quartz	11	7.5	5	block				
83	quartz	9.9	4.5	2.6	flake fragment				
4	quartz	12.2	7.3	6	block				
149	grey qtz	10.3	7.4	2.8	flake			crushed	crushed
150	white qtz	13.5	9.9	4.1	flake fragment				
151	quartz	13.8	13	7.4	block				
152	clear qtz	8.3	7.4	3.3	flake fragment				
1	white qtz	18.2	14.7	4.2	flake tool off pebble	50%	usewear& scalar retouch on tip	F/U	F
2	white qtz	7.8	5.6	1.6	flake fragment				
160	white qtz	14	7.6	5	flake			crushed	A
161	white qtz	8.6	6.7	2.9	flake fragment				

Appendix 5.6 Gundaline Artefact Data

65	white qtz	8.1	12.4	3.5		flake fragment				
66	grey qtz	10	6.3	5.6		block off pebble	20%			
86	white qtz	7	5.6	2		flake fragment				
50	white qtz	15	11.5	7.3		block				
113	white qtz	13.1	8.8	5.2		flake tool		usewear	crushed	A
114	yellow qtz	15.6	8	7		pebble manuport				
162	white qtz	11.6	9.4	5.7		flake			crushed	F
163	clear qtz	11.8	7.6	3		flake with crystal face	15%		crushed	F
88	white qtz	13	12	3.7		flake			B/U	F