

TABLE 42: (cont.)
Pt level

Boy 1							Boy 3								
	NBP	MAJ	%MAJUM	FUJ	%FUJUM	DENSITY	%DENSITY		NBP	MAJ	%MAJUM	FUJ	%FUJUM	DENSITY	%DENSITY
SKULL				157.79	0.42%			SKULL				151.07	0.44%		
HORNOCORE								HORNOCORE							
HYOID								HYOID							
MAXILLA	1	0.07	2.30%					MAXILLA	9	0.04	0.12%				
MANDIBLE	2	0.05	2.78%	133.33	3.05%	0.05	4.40%	MANDIBLE	11	0.45	0.53%	703.33	70.07%	0.25	21.33%
ATLAS								ATLAS							
AXIS								AXIS							
PELVIS	2	0.20	0.20%	547.74	14.01%	0.07	5.25%	PELVIS	1	0.12	12.36%	293.85	26.05%	0.03	0.02%
SCAPULA								SCAPULA							
HUMERUS	1	0.50	10.07%	1048.50	26.37%	0.18	14.81%	HUMERUS	1	0.50	50.00%	1048.50	100.00%	0.10	31.37%
proximal	1	0.50	10.07%	1147.80	28.01%	0.12	11.11%	proximal	1	0.50	50.00%	048.50	90.35%	0.20	36.84%
distal								distal							
RADIUS/ULNA	1	0.50	10.07%	500.00	14.80%	0.03	10.52%	RADIUS/ULNA							
proximal	0	0.00	100.00%	5000.00	120.00%	1.05	100.00%	proximal							
distal								distal							
CARPALS	3	0.25	0.25%	140.85	4.11%			CARPALS	4	0.33	33.33%	217.57	60.85%		
METACARPAL								METACARPAL	1	0.50	50.00%	208.28	19.71%	0.27	21.55%
proximal								proximal							
distal								distal							
FEMUR	1	0.50	10.07%	2569.50	65.74%	0.16	14.81%	FEMUR							
proximal								proximal							
distal								distal							
PATELLA	1	0.10	10.07%					PATELLA							
TIBIA								TIBIA							
proximal	1	0.50	10.07%	1012.50	40.23%	0.15	15.00%	proximal							
distal	1	0.50	10.07%	1123.50	25.80%	0.25	20.14%	distal							
METATARSAL	2	1.00	33.55%	897.50	23.91%	0.31	47.22%	METATARSAL	2	1.00	100.00%	897.50	88.75%	0.51	100.00%
proximal	1	0.50	10.07%	891.50	18.04%	0.25	25.44%	proximal							
distal								distal							
TARSAL	2	0.25	0.25%			0.10	0.1%	TARSAL	1	0.13	12.50%			0.05	0.50%
ASTRAGALUS	1	0.25	10.07%	718.00	17.94%	0.04	21.70%	ASTRAGALUS							
CALCANEUM	1	0.50	10.07%	718.00	17.94%	0.32	29.58%	CALCANEUM	1	0.50	50.00%	718.00	60.94%	0.52	62.75%
METAPODIAL	1	0.25	0.25%	160.75	4.13%	0.07	5.02%	METAPODIAL	3	0.75	75.00%	491.85	48.94%	0.50	58.24%
SEBACOID	2							SEBACOID	2						
PHALANX1	0	1.00	33.55%	443.50	11.18%	0.42	38.89%	PHALANX1	0	0.75	75.00%	332.25	31.75%	0.53	51.76%
PHALANX2	1	0.15	4.17%	58.50	1.40%	0.03	2.55%	PHALANX2	3	0.05	37.50%	185.15	15.07%	0.03	15.34%
PHALANX3	2	0.25	0.50%	110.75	2.75%	0.05	3.70%	PHALANX3							
PHALANX INDET								PHALANX INDET							
TOTALS	48			12565.00		4.35		TOTALS	50			9193.32		2.40	

Boy 2							Boy 4								
	NBP	MAJ	%MAJUM	FUJ	%FUJUM	DENSITY	%DENSITY		NBP	MAJ	%MAJUM	FUJ	%FUJUM	DENSITY	%DENSITY
SKULL				151.07	0.04%			SKULL				157.9	1.23%		
HORNOCORE								HORNOCORE							
HYOID								HYOID							
MAXILLA	9	0.01	25.37%					MAXILLA	1	0.07	14.29%				
MANDIBLE	16	0.01	27.78%	1000.00	10.46%	0.00	57.70%	MANDIBLE	2	0.05	15.87%	130.33	0.71%	0.05	23.75%
ATLAS								ATLAS							
AXIS	1	1.00	44.44%	584.00	16.80%	0.10	15.93%	AXIS							
PELVIS	2	0.25	11.11%	527.75	11.44%	0.07	7.14%	PELVIS							
SCAPULA								SCAPULA							
HUMERUS								HUMERUS							
proximal								proximal							
distal	1	0.50	22.42%	945.50	18.40%	0.20	20.53%	distal							
RADIUS/ULNA	4	1.50	55.57%	1771.50	54.47%	0.50	83.40%	RADIUS/ULNA							
proximal	4	2.00	55.55%	2045.00	61.49%	0.75	70.12%	proximal							
distal	2	1.00	44.44%	1039.00	29.22%	0.44	40.28%	distal							
CARPALS	0	0.07	29.55%	435.03	0.47%			CARPALS							
METACARPAL								METACARPAL							
proximal	1	0.50	22.22%	930.50	4.40%	0.20	20.85%	proximal							
distal	1	0.50	22.22%	168.00	3.54%	0.25	25.53%	distal							
FEMUR	1	0.50	22.22%	2669.50	50.12%	0.10	15.93%	FEMUR							
proximal	2	1.00	44.44%	5130.00	100.00%	0.20	36.10%	proximal							
distal								distal							
PATELLA								PATELLA							
TIBIA	2	1.00	44.44%	2740.00	53.42%	0.40	42.33%	TIBIA	1	0.05	100.00%	1373.00	100.00%	0.20	100.00%
proximal								proximal							
distal								distal							
METATARSAL	2	1.00	44.44%	897.50	17.40%	0.51	53.27%	METATARSAL							
proximal	3	1.00	50.07%	1704.50	20.20%	0.50	57.50%	proximal							
distal								distal							
TARSAL	2	0.25	11.11%			0.10	10.32%	TARSAL							
ASTRAGALUS	2	1.00	44.44%	1424.00	27.71%	0.47	48.74%	ASTRAGALUS							
CALCANEUM	1	0.50	22.22%	718.00	13.85%	0.33	33.50%	CALCANEUM							
METAPODIAL	0	1.50	55.57%	945.50	10.12%	0.30	41.27%	METAPODIAL							
SEBACOID	14							SEBACOID							
PHALANX1	15	2.25	100.00%	808.75	19.48%	0.05	100.00%	PHALANX1	2	0.25	50.00%	110.75	9.07%	0.11	52.50%
PHALANX2	3	1.15	50.00%	400.50	9.70%	0.50	28.75%	PHALANX2							
PHALANX3	4	0.00	22.22%	221.00	4.31%	0.13	13.23%	PHALANX3							
PHALANX INDET								PHALANX INDET							
TOTALS	115			27204.75		7.05		TOTALS	5			1005.67		0.05	

TABLE 42: (cont.)
A2 level

BOV 1	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENSITY
SKULL	1			117.50		8.20%	
HORNGORE	1	0.50	25.00%				
HYOID	1	0.50	25.00%				
MAXILLA	7	0.20	14.29%	488.67		0.08%	0.17
MANDIBLE	7	0.20	14.29%	488.67		0.08%	0.17
ATLAS	4	0.50	25.00%	1175.00		22.07%	0.14
AXIS	4	0.50	25.00%	1175.00		22.07%	0.14
PELVIS	4	0.50	25.00%	1175.00		22.07%	0.14
SCAPULA	1	0.25	12.50%	573.75		11.18%	0.09
HUMERUS	2	1.50	75.00%	5139.00		81.00%	0.48
proximal	1	0.50	25.00%	1713.00		27.00%	0.16
distal	1	1.00	50.00%	3426.00		54.00%	0.32
RADIUS/ULNA	3	1.00	33.33%	1713.00		33.33%	0.20
proximal	1	0.33	16.67%	573.75		11.18%	0.07
distal	2	0.67	33.33%	1147.50		22.35%	0.13
CARPALS	4	2.00	100.00%	6282.00		100.00%	1.12
METACARPAL	4	2.00	100.00%	6282.00		100.00%	1.12
proximal	1	0.50	25.00%	1570.50		25.00%	0.28
distal	3	1.50	75.00%	4711.50		75.00%	0.84
FEMUR	2	1.00	50.00%	5139.00		100.00%	0.28
proximal	1	0.50	25.00%	2569.50		50.00%	0.14
distal	1	0.50	25.00%	2569.50		50.00%	0.14
PATELLA	2	1.00	50.00%	5139.00		100.00%	0.28
TIBIA	2	1.00	50.00%	5139.00		100.00%	0.28
proximal	1	0.50	25.00%	2569.50		50.00%	0.14
distal	1	0.50	25.00%	2569.50		50.00%	0.14
METATARSAL	4	2.00	100.00%	6282.00		100.00%	1.12
proximal	1	0.50	25.00%	1570.50		25.00%	0.28
distal	3	1.50	75.00%	4711.50		75.00%	0.84
TARSAL	4	2.00	100.00%	6282.00		100.00%	1.12
ASTRAGALUS	4	2.00	100.00%	6282.00		100.00%	1.12
CALCANEUM	4	2.00	100.00%	6282.00		100.00%	1.12
METAPODIAL	9	2.25	56.25%	1470.75		13.42%	0.09
SESAMOID	34	3.40	83.75%	2182.00		18.25%	0.12
PHALANX 1	25	2.50	62.50%	1615.00		13.42%	0.09
PHALANX 2	10	1.00	25.00%	628.00		5.17%	0.03
PHALANX 3	5	0.50	12.50%	314.00		2.58%	0.01
PHALANX INDET	1	0.10	2.50%	62.80		0.52%	0.00
TOTALS	58			24821.0		6.50	

BOV 2	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENSITY
SKULL	8			755.50		3.07%	
HORNGORE	2	4.00	100.00%	4.00		0.02%	
HYOID	3	1.50	37.50%				
MAXILLA	28	1.50	37.50%	4000.00		16.27%	1.43
MANDIBLE	28	1.50	37.50%	4000.00		16.27%	1.43
ATLAS	2	2.00	50.00%	1048.00		4.23%	0.38
AXIS	2	2.00	50.00%	1048.00		4.23%	0.38
PELVIS	7	0.50	12.50%	2057.13		8.01%	0.81
SCAPULA	5	1.50	37.50%	3442.50		13.40%	0.84
HUMERUS	2	1.00	25.00%	2096.00		8.18%	0.32
proximal	1	0.50	12.50%	1048.00		4.09%	0.16
distal	1	0.50	12.50%	1048.00		4.09%	0.16
RADIUS/ULNA	10	0.50	12.50%	2096.00		8.18%	0.32
proximal	2	1.00	25.00%	4192.00		16.36%	0.64
distal	8	0.50	12.50%	2096.00		8.18%	0.32
CARPALS	20	2.00	50.00%	4192.00		16.36%	0.64
METACARPAL	1	0.50	12.50%	1048.00		4.09%	0.16
proximal	0	0.00	0.00%	0.00		0.00%	0.00
distal	1	0.50	12.50%	1048.00		4.09%	0.16
FEMUR	10	5.00	100.00%	20960.00		100.00%	1.50
proximal	5	2.50	50.00%	10480.00		50.00%	0.75
distal	5	2.50	50.00%	10480.00		50.00%	0.75
PATELLA	3	1.50	37.50%	3442.50		13.40%	0.84
TIBIA	3	1.50	37.50%	3442.50		13.40%	0.84
proximal	1	0.50	12.50%	1147.50		4.47%	0.28
distal	2	1.00	25.00%	2295.00		8.93%	0.56
METATARSAL	8	4.00	100.00%	16384.00		100.00%	2.40
proximal	20	10.00	100.00%	40960.00		100.00%	6.00
TARSAL	21	2.10	52.50%	8400.00		32.00%	1.08
ASTRAGALUS	11	1.10	27.50%	4400.00		16.00%	0.54
CALCANEUM	12	1.20	30.00%	4800.00		18.00%	0.60
METAPODIAL	34	3.40	83.75%	13600.00		51.76%	2.21
SESAMOID	38	3.80	95.00%	15200.00		58.95%	2.55
PHALANX 1	71	7.10	87.50%	28400.00		109.52%	4.55
PHALANX 2	57	5.70	70.00%	22680.00		88.36%	3.70
PHALANX 3	12	1.20	15.00%	4800.00		18.18%	0.60
PHALANX INDET							
TOTALS	510			155317		41.00	

BOV 3	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENSITY
SKULL	1			528.00		4.74%	
HORNGORE	1	0.50	25.00%	0.50		0.00%	
HYOID	2	1.00	50.00%				
MAXILLA	17	1.21	30.26%				
MANDIBLE	31	1.20	30.26%	2088.67		10.82%	0.74
ATLAS	2	0.25	6.25%	587.75		5.36%	0.07
AXIS	2	0.25	6.25%	587.75		5.36%	0.07
PELVIS	2	0.25	6.25%	587.75		5.36%	0.07
SCAPULA	1	0.25	6.25%	573.75		5.32%	0.08
HUMERUS	1	0.50	12.50%	1048.00		8.55%	0.18
proximal	2	1.00	25.00%	2096.00		17.10%	0.36
distal	3	1.50	37.50%	3144.00		25.65%	0.54
RADIUS/ULNA	8	3.00	75.00%	3144.00		25.65%	1.20
proximal	2	1.00	25.00%	1048.00		8.55%	0.36
distal	6	2.00	50.00%	2096.00		17.10%	0.72
CARPALS	8	0.87	10.67%	430.33		3.86%	0.27
METACARPAL	1	0.50	12.50%	1048.00		8.55%	0.18
proximal	3	1.50	37.50%	3144.00		25.65%	0.64
distal							
FEMUR	3	1.50	37.50%	7708.50		70.10%	0.48
proximal							
distal							
PATELLA	2	1.00	25.00%	1048.00		8.55%	0.18
TIBIA	2	1.00	25.00%	1048.00		8.55%	0.18
proximal	2	1.00	25.00%	1048.00		8.55%	0.18
distal	2	1.00	25.00%	1048.00		8.55%	0.18
METATARSAL	4	2.00	50.00%	1795.00		16.34%	1.02
proximal	5	2.50	62.50%	2243.75		20.43%	1.28
distal	2	1.00	25.00%	795.00		7.21%	0.45
TARSAL	11	1.10	27.50%	4400.00		16.00%	0.54
ASTRAGALUS	1	0.50	12.50%	1048.00		8.55%	0.18
CALCANEUM	4	2.00	50.00%	2096.00		17.10%	0.72
METAPODIAL	9	2.25	56.25%	1470.75		13.42%	0.09
SESAMOID	34	3.40	83.75%	13600.00		51.76%	2.21
PHALANX 1	25	2.50	62.50%	1004.00		12.92%	0.31
PHALANX 2	10	1.00	25.00%	419.00		5.24%	0.13
PHALANX 3	5	0.50	12.50%	209.50		2.62%	0.06
PHALANX INDET	1						
TOTALS	212			54040.4		15.20	

BOV 4	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENSITY
SKULL	8			755.50		3.07%	
HORNGORE	2	4.00	100.00%	4.00		0.02%	
HYOID	3	1.50	37.50%				
MAXILLA	28	1.50	37.50%	4000.00		16.27%	1.43
MANDIBLE	28	1.50	37.50%	4000.00		16.27%	1.43
ATLAS	2	2.00	50.00%	1048.00		4.23%	0.38
AXIS	2	2.00	50.00%	1048.00		4.23%	0.38
PELVIS	7	0.50	12.50%	2057.13		8.01%	0.81
SCAPULA	5	1.50	37.50%	3442.50		13.40%	0.84
HUMERUS	2	1.00	25.00%	2096.00		8.18%	0.32
proximal	1	0.50	12.50%	1048.00		4.09%	0.16
distal	1	0.50	12.50%	1048.00		4.09%	0.16
RADIUS/ULNA	10	0.50	12.50%	2096.00		8.18%	0.32
proximal	2	1.00	25.00%	4192.00		16.36%	0.64
distal	8	0.50	12.50%	2096.00		8.18%	0.32
CARPALS	20	2.00	50.00%	4192.00		16.36%	0.64
METACARPAL	1	0.50	12.50%	1048.00		4.09%	0.16
proximal	0	0.00	0.00%	0.00		0.00%	0.00
distal	1	0.50	12.50%	1048.00		4.09%	0.16
FEMUR	10	5.00	100.00%	20960.00		100.00%	1.50
proximal	5	2.50	50.00%	10480.00		50.00%	0.75
distal	5	2.50	50.00%	10480.00		50.00%	0.75
PATELLA	3	1.50	37.50%	3442.50		13.40%	0.84
TIBIA	3	1.50	37.50%	3442.50		13.40%	0.84
proximal	1	0.50	12.50%	1147.50		4.47%	0.28
distal	2	1.00	25.00%	2295.00		8.93%	0.56
METATARSAL	8	4.00	100.00%	16384.00		100.00%	2.40
proximal	20	10.00	100.00%	40960.00		100.00%	6.00
TARSAL	21	2.10	52.50%	8400.00		32.00%	1.08
ASTRAGALUS	11	1.10	27.50%	4400.00		16.00%	0.54
CALCANEUM	12	1.20	30.00%	4800.00		18.00%	0.60
METAPODIAL	34	3.40	83.75%	13600.00		51.76%	2.21
SESAMOID	38	3.80	95.00%	15200.00		58.95%	2.55
PHALANX 1	71	7.10	87.50%	28400.00		109.52%	4.55
PHALANX 2	57	5.70	70.00%	22680.00		88.36%	3.70
PHALANX 3	12	1.20	15.00%	4800.00		18.18%	0.60
PHALANX INDET							
TOTALS	510			155317		41.00	

BOV 5	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENSITY
SKULL	8			755.50		3.07%	
HORNGORE	2	4.00	100.00%	4.00		0.02%	
HYOID	3	1.50	37.50%				
MAXILLA	28	1.50	37.50%	4000.00		16.27%	1.43
MANDIBLE	28	1.50	37.50%	4000.00		16.27%	1.43
ATLAS	2	2.00	50.00%	1048.00		4.23%	0.38
AXIS	2	2.00	50.00%	1048.00		4.23%	0.38
PELVIS	7	0.50	12.50%	2057.13		8.01%	0.81
SCAPULA	5	1.50	37.50%	3442.50		13.40%	0.84
HUMERUS	2	1.00	25.00%	2096.00		8.18%	0.32
proximal	1	0.50	12.50%	1048.00		4.09%	0.16
distal	1	0.50	12.50%	1048.00		4.09%	0.16
RADIUS/ULNA	10	0.50	12.50%	2096.00		8.18%	0.32
proximal	2	1.00	25.00%	4192.00		16.36%	0.64
distal							

TABLE 42: (cont.)
A level

Box 1	NBP	MAU	MAU/MAU	FUI	MAU/MAU	DENSITY	MAU/MAU
SKULL							
HORN/CORE							
HYOID							
MAXILLA	1	0.07	3.57%				
MANDIBLE	6	0.21	10.42%	322.32	12.07%	0.12	12.38%
ATLAS							
AXIS	1	1.00	50.00%	524.00	20.38%	0.16	10.06%
PELVIS							
SCAPULA	2	0.30	15.00%	1147.30	44.98%	0.10	21.49%
HUMERUS							
PROXIMAL	1	0.50	25.00%	849.50	33.30%	0.20	20.64%
RADIUS/ULNA	4	2.00	100.00%	2362.00	91.92%	0.30	94.97%
PROXIMAL							
ULNA							
CARPALS	2	0.10	5.00%	109.80	4.24%	0.07	30.18%
METACARPAL	1	0.50	25.00%	203.20	8.00%	0.07	30.18%
PROXIMAL	1	0.50	25.00%	203.20	8.00%	0.07	30.18%
ULNA							
FEMUR	1	0.50	25.00%	650.50	100.00%	0.16	10.06%
PROXIMAL							
ULNA							
PATELLA	1	0.50	25.00%				
TIBIA							
PROXIMAL							
ULNA							
METATARSAL	3	1.50	75.00%	1564.50	59.64%	0.30	100.00%
PROXIMAL							
ULNA							
TARSAL	1	0.10	5.00%			0.05	8.81%
ASTRAGALUS							
CALCANEUM	1	0.50	25.00%	712.00	27.71%	0.30	30.79%
METAPODIAL	2	0.50	25.00%	387.50	12.75%	0.10	15.70%
SEBAMOID	3						
PHALANX 1	3	0.35	10.75%	188.15	6.47%	0.15	18.00%
PHALANX 2	3	0.35	10.75%	278.05	10.70%	0.15	18.00%
PHALANX 3							
PHALANX INDEX							
TOTALS	30			11431.2		3.00	

Box 1	NBP	MAU	MAU/MAU	FUI	MAU/MAU	DENSITY	MAU/MAU
SKULL							
HORN/CORE							
HYOID	4	2.00	26.87%				
MAXILLA	10	1.36	18.10%				
MANDIBLE	01	0.13	26.93%	440.00	31.84%	1.01	28.32%
ATLAS							
AXIS	4	4.00	65.33%	5506.00	19.83%	0.41	13.33%
PELVIS	4	1.00	15.53%	9281.00	22.41%	0.37	6.03%
SCAPULA	3	1.25	15.87%	2845.75	20.49%	0.48	8.34%
HUMERUS							
PROXIMAL	2	1.00	10.33%	1853.00	17.71%	0.30	8.15%
RADIUS/ULNA	7	3.70	46.87%	4333.80	30.70%	1.40	26.17%
PROXIMAL	3	1.50	20.00%	1984.50	16.86%	0.54	13.25%
ULNA	2	1.00	10.33%	1032.00	8.73%	0.44	9.17%
CARPALS	10	1.95	19.87%	818.05	7.61%		
METACARPAL	1	0.50	5.17%	306.00	2.87%	0.27	8.52%
PROXIMAL	3	1.50	15.50%	681.00	6.17%	0.84	17.50%
ULNA	2	1.00	10.33%	484.00	3.81%	0.48	10.21%
FEMUR	3	1.50	20.00%	7708.50	72.16%	0.48	10.00%
PROXIMAL	2	1.00	10.33%	5199.00	48.18%	0.26	5.83%
ULNA							
PATELLA	3	0.30	3.23%				
TIBIA	3	1.50	20.00%	4116.00	38.17%	0.60	19.56%
PROXIMAL	1	0.50	5.17%	1512.00	14.12%	0.16	3.12%
ULNA	4	2.00	20.67%	4504.00	42.45%	1.00	20.83%
METATARSAL	11	2.80	33.33%	2243.25	21.01%	1.28	26.56%
PROXIMAL	11	6.50	75.33%	2919.50	21.85%	3.52	63.02%
ULNA	2	1.00	10.33%	792.00	7.42%	0.48	9.66%
TARSAL	21	3.95	39.00%			1.02	21.33%
ASTRAGALUS	3	4.00	39.33%	1806.00	13.33%	1.85	38.17%
CALCANEUM	15	7.50	100.00%	10560.00	100.00%	4.50	100.00%
METAPODIAL	16	4.00	65.33%	3680.00	24.34%	1.54	21.57%
SEBAMOID	50						
PHALANX 1	46	5.55	75.00%	2481.55	25.33%	2.58	49.52%
PHALANX 2	34	4.25	56.87%	1882.75	17.53%	1.58	25.14%
PHALANX 3	16	5.55	39.00%	958.75	9.30%	0.55	11.70%
PHALANX INDEX							
TOTALS	361	1051	1.00	78683.3		26.84	

Box 3	NBP	MAU	MAU/MAU	FUI	MAU/MAU	DENSITY	MAU/MAU
SKULL							
HORN/CORE							
HYOID							
MAXILLA	10	0.58	10.71%				
MANDIBLE	14	0.58	7.29%	632.32	4.25%	0.33	10.39%
ATLAS							
AXIS							
PELVIS	2	0.25	3.14%	587.75	2.46%	0.07	2.11%
SCAPULA	3	1.25	15.69%	3550.75	13.06%	0.45	14.06%
HUMERUS	3	2.50	31.36%	5632.50	21.30%	0.50	20.00%
PROXIMAL	1	0.50	6.28%	1147.50	8.20%	0.19	3.28%
ULNA	2	1.00	12.50%	1361.00	8.51%	0.38	13.18%
RADIUS/ULNA	7	3.50	43.75%	4133.50	16.32%	1.40	42.73%
PROXIMAL							
ULNA	1	0.50	6.28%	319.40	2.38%	0.20	0.64%
CARPALS	10	0.50	10.48%	544.17	2.44%		
METACARPAL	3	1.50	15.75%	618.75	2.69%	0.50	28.84%
PROXIMAL	3	1.00	10.50%	481.00	2.19%	0.19	17.50%
ULNA	1	0.50	5.25%	182.00	0.85%	0.05	7.09%
FEMUR	1	0.50	9.25%	2350.50	11.70%	0.18	9.00%
PROXIMAL							
ULNA	1	0.50	5.25%	2584.50	11.70%	0.14	4.38%
PATELLA							
TIBIA	10	5.00	100.00%	21884.00	100.00%	3.85	100.00%
PROXIMAL							
ULNA	1	0.50	9.25%	1122.50	5.18%	0.30	7.81%
METATARSAL	3	0.50	31.25%	8543.75	10.31%	1.28	30.64%
PROXIMAL	7	3.50	43.75%	3516.50	14.91%	1.93	40.16%
TARSAL	8	1.00	10.50%			0.30	12.18%
ASTRAGALUS	1	0.50	6.25%	712.00	3.24%	0.54	7.34%
CALCANEUM	2	1.50	18.75%	2105.00	8.73%	0.94	20.00%
METAPODIAL	5	1.25	15.63%	818.75	3.73%	0.33	10.16%
SEBAMOID	10						
PHALANX 1	28	3.50	43.75%	1550.50	7.06%	1.47	48.94%
PHALANX 2	18	3.25	26.18%	988.75	4.54%	0.66	17.50%
PHALANX 3	5	0.75	8.58%	332.25	1.51%	0.19	3.06%
PHALANX INDEX							
TOTALS	124			99862.2		16.40	

Box 4	NBP	MAU	MAU/MAU	FUI	MAU/MAU	DENSITY	MAU/MAU
SKULL							
HORN/CORE							
HYOID							
MAXILLA	1	0.07	14.89%				
MANDIBLE							
ATLAS							
AXIS							
PELVIS							
SCAPULA							
HUMERUS							
PROXIMAL							
ULNA							
RADIUS/ULNA							
PROXIMAL							
ULNA							
CARPALS							
METACARPAL							
PROXIMAL							
ULNA							
FEMUR							
PROXIMAL							
ULNA							
PATELLA							
TIBIA							
PROXIMAL							
ULNA							
METATARSAL							
PROXIMAL							
ULNA							
TARSAL							
ASTRAGALUS							
CALCANEUM							
METAPODIAL							
SEBAMOID							
PHALANX 1							
PHALANX 2							
PHALANX 3							
PHALANX INDEX							
TOTALS	15			1548.01		0.88	

TABLE 42: Bovidae Food Utility and Density values
Mn level

Bov1	NBP	MAU	MAU/MAU	FLI	SPUM/DENSITY	SPUM/DENSITY
SKULL				18.78	0.85%	
HORN/CORE						
HYOD						
MAXILLA	1	0.07	14.82%			
MANDIBLE						
ATLAS						
AXIS						
PELVIS						
SCAPULA						
HUMERUS						
proximal						
distal						
RADIUS/ULNA	1	0.80	100.00%	580.50	22.80%	0.20 78.43%
proximal	1	0.80	100.00%	581.50	22.74%	0.15 70.58%
distal						
CARPALS						
METACARPAL						
proximal						
distal						
FEMUR	1	0.80	100.00%	2088.50	100.00%	1.10 88.75%
proximal						
distal						
PATELLA						
TIBIA						
proximal						
distal						
METATARSAL	1	0.80	100.00%	448.78	17.45%	0.20 100.00%
proximal						
distal						
TARSAI						
ASTRAGALUS						
CALCANEUM						
METAPODIAL	1	0.28	80.00%	103.78	6.37%	0.07 88.46%
SESAMOID						
PHALANX 1	1	0.10	28.00%	58.30	2.16%	0.20 18.20%
PHALANX 2	1	0.10	28.00%	58.30	2.16%	0.20 18.20%
PHALANX 3						
PHALANX INDET						
TOTALS	5			4851.54		0.28

Bov2	NBP	MAU	MAU/MAU	FLI	SPUM/DENSITY	SPUM/DENSITY
SKULL				18.07	1.47%	
HORN/CORE						
HYOD						
MAXILLA	0	0.04	21.43%			
MANDIBLE	23	0.20	81.84%	1635.35	14.02%	0.25 48.02%
ATLAS						
AXIS						
PELVIS	2	0.25	63.3%	587.78	5.72%	0.07 8.63%
SCAPULA						
HUMERUS	1	0.20	18.87%	1046.50	10.10%	0.10 12.50%
proximal						
distal						
RADIUS/ULNA	0	0.00	100.00%	2010.50	34.47%	1.20 100.00%
proximal	1	0.20	18.87%	881.50	8.44%	0.10 13.00%
distal	2	1.00	33.33%	1008.00	18.11%	0.44 38.07%
CARPALS	0	0.07	28.00%	438.33	4.24%	
METACARPAL						
proximal	4	0.20	66.67%	828.00	8.07%	1.12 83.03%
distal						
FEMUR	4	0.20	66.67%	10078.00	100.00%	0.64 83.03%
proximal						
distal						
PATELLA	1	0.20	18.87%			
TIBIA						
proximal	1	0.20	18.87%	1133.00	11.03%	0.25 28.00%
distal	3	1.00	80.00%	1246.00	12.10%	0.77 82.78%
METATARSAL	1	0.20	18.87%	801.50	4.08%	0.28 28.00%
proximal						
distal						
TARSAI	5	0.20	80.00%			0.24 80.51%
ASTRAGALUS	5	0.20	80.00%	880.00	34.61%	1.10 87.00%
CALCANEUM	5	1.00	80.00%	2120.00	80.78%	0.88 80.00%
METAPODIAL	0	1.20	80.00%	942.50	9.38%	0.20 32.50%
SESAMOID	7					
PHALANX 1	14	1.78	88.89%	778.25	7.84%	0.74 81.25%
PHALANX 2	14	1.78	88.89%	778.25	7.84%	0.44 38.46%
PHALANX 3	6	0.75	20.00%	352.25	3.23%	0.10 12.00%
PHALANX INDET						
TOTALS	120			31740		9.77

Bov3	NBP	MAU	MAU/MAU	FLI	SPUM/DENSITY	SPUM/DENSITY
SKULL				22.14	5.23%	
HORN/CORE	1	0.05	14.82%			
HYOD	2	1.00	28.00%			
MAXILLA	18	1.30	86.73%			
MANDIBLE	21	0.88	25.00%	1400.00	15.02%	
ATLAS						
AXIS						
PELVIS	1	0.13	33.3%	203.56	2.88%	
SCAPULA						
HUMERUS	2	0.20	14.29%	1147.50	11.16%	
proximal						
distal						
RADIUS/ULNA	1	0.20	14.29%	945.50	8.20%	
proximal	3	1.20	42.86%	1771.50	17.24%	
distal	1	0.20	14.29%	881.50	8.44%	
CARPALS						
METACARPAL	7	0.20	16.67%	300.92	3.71%	
proximal						
distal						
FEMUR	4	0.20	87.14%	10278.00	100.00%	
proximal						
distal						
PATELLA						
TIBIA	7	3.50	100.00%	8811.00	93.51%	
proximal						
distal						
METATARSAL	2	1.20	42.86%	2400.00	23.00%	
proximal	8	0.20	85.71%	8082.50	26.25%	
distal	1	0.20	14.29%	881.50	4.88%	
TARSAI	5	0.20	17.00%			
ASTRAGALUS	1	0.20	14.29%	712.00	6.03%	
CALCANEUM	1	0.20	14.29%	712.00	5.98%	
METAPODIAL	2	0.20	14.29%	327.50	3.18%	
SESAMOID	18					
PHALANX 1	12	1.67	49.43%	719.66	7.00%	
PHALANX 2	9	1.73	32.14%	480.38	4.88%	
PHALANX 3	2	0.25	7.14%	110.75	1.08%	
PHALANX INDET						
TOTALS	120			56782.4		

Bov4	NBP	MAU	MAU/MAU	FLI	SPUM/DENSITY	SPUM/DENSITY
SKULL				18.78	0.85%	
HORN/CORE						
HYOD						
MAXILLA	1	0.07	25.00%			
MANDIBLE	1	0.04	15.00%	65.07	11.02%	
ATLAS						
AXIS						
PELVIS						
SCAPULA	1	0.28	100.00%	870.78	100.00%	
HUMERUS						
proximal						
distal						
RADIUS/ULNA						
proximal						
distal						
CARPALS						
METACARPAL						
proximal						
distal						
FEMUR						
proximal						
distal						
PATELLA						
TIBIA						
proximal						
distal						
METATARSAL						
proximal						
distal						
TARSAI						
ASTRAGALUS						
CALCANEUM						
METAPODIAL						
SESAMOID						
PHALANX 1						
PHALANX 2						
PHALANX 3						
PHALANX INDET						
TOTALS	3			857.808		

TABLE 41: Determination of FUI and density values used in calculations

Sketpart	FUI	DENSITY
7	235	SKULL (corrected for cartilage); (FUI value based on hyoid & maxilla MAU)
2	1	HORN/CORE (antler)
2		HYOID
14		MAXILLA
24	1600	0.57 MANDIBLE (with tongue)
1	524	0.13 ATLAS
1	524	0.16 AXIS
8	2351	0.27 PELVIS
4	2295	0.36 SCAPULA
2	2093	0.32 HUMERUS (average proximal & distal)
2	2295	0.24 proximal
2	1891	0.39 distal
2	1181	0.4 RADIUS/ULNA (average p&d)
2	1323	0.36 proximal
2	1039	0.44 distal
12	653	CARPALS
2	412.5	0.53 METACARPAL (average p&d)
2	481	0.56 proximal
2	364	0.49 distal
2	5139	0.32 FEMUR (average p&d)
2	5139	0.36 proximal
2	5139	0.28 distal
2		PATELLA
2	2746	0.4 TIBIA (average p&d)
2	3225	0.3 proximal
2	2267	0.5 distal
2	897.5	0.51 METATARSAL (average p&d)
2	1003	0.55 proximal
2	792	0.46 distal
8		0.39 TARSAL
2	1424	0.47 ASTRAGALUS
2	1424	0.64 CALCANEUM
4	655	0.26 METAPODIAL (average METACARPAL & METATARSAL)
7		SESAMOID
8	443	0.42 PHALANX 1
8	443	0.25 PHALANX 2
8	443	0.25 PHALANX 3
24		PHALANX INDETERMINATE

CARPALS	BOVID	EQUID	SUID
radial carpal (scaphoid)	2	2	2
intermediate carpal (lunate)	2	2	2
ulnar carpal (cuneiform)	2	2	2
accessory carpal (platform)	2	2	2
		1st carpal 2	2
	2nd & 3rd carpal 2	2nd carpal 2	2
		3rd carpal 2	2
4 th carpal (uniform)	2	2	2
TOTAL	12	16	16

TARSALS	BOVID	EQUID	SUID
	lateral malleolus (distal fibula) (m/t V) 2		
calcaneum	2	2	2
astragalus	2	2	2
	1st tarsal (medial cuneiform)	1st & 2nd tarsal	1st tarsal (cuneiform medial) 2
	2nd & 3rd tarsal (external and middle cuneiform) 2	(mid cuneiform) 2	2nd tarsal (cuneiform mid) 2
		3rd tarsal (lateral cuneiform) 2	3rd tarsal (lateral cuneiform) 2
	central & 4th tarsal	4th tarsal (cuboid) 2	4th tarsal (cuboid) 2
	(os quatuorcentrale) (navicula cuboid)	cent tarsal (navicula cuboid) 2	cent tarsal (navicula cuboid) 2
TOTAL	12	12	14

MANDIBLE	BOVID	EQUID	SUID
mandible ramus/condyle	2	2	2
	diastema 2		
I1/I1	2	2	2
I2/I2	2	2	2
I3/I3	2	2	2
I4/I4 (or Canine/canine)	2	2	2
			P1/dp1 2
P2/p2	2	2	2
P3/p3	2	2	2
P4/p4	2	2	2
M1	2	2	2
M2 (not present in juvenile)	2	2	2
M3 (not present in juvenile)	2	2	2
TOTAL	24	22	24
MAXILLA	BOVID	EQUID	SUID
	pre-maxilla 2		
		I1/I1 2	2
		I2/I2 2	2
		I3/I3 2	2
		I4/I4 2	2
			P1/dp1 2
P2/dp2	2	2	2
P3/dp3	2	2	2
P4/dp4	2	2	2
M1	2	2	2
M2 (not present in juvenile)	2	2	2
M3 (not present in juvenile)	2	2	2
TOTAL	14	20	22

TABLE 40: Skeletal part count used in percentage Minimal Animal Unit calculations

	Bovidae
Horncore	2
Hyoid	2
Maxilla	14
Mandible	24
Atlas	1
Axle	1
Pelvis	8
Scapula	4
Humerus	2
proximal	2
distal	2
Radius/Ulna	2
proximal	2
distal	2
Carpals	12
Metacarpal	2
proximal	2
distal	2
Femur	2
proximal	2
distal	2
Patella	2
Tibia	2
proximal	2
distal	2
Metatarsal	2
proximal	2
distal	2
Tarsal	2
Astragalus	2
Calcaneum	2
Metapodial	4
Phalanx 1	4
Phalanx 2	8
Phalanx 3	8
Phalanx Indeterminate	24

(Based on Plug 1988:89, with amendments as indicated below)

TABLE 39: Size categories for bovidae at Rose Cottage Cave**Size category 1**

Oreotragus oreotragus
Raphicerus campestris
Sylvicapra grimmia
Ourebia ourebia

Klipspringer
 Steenbok
 Common Duiker
 Oribi

Size category 2

Antidorcas marsupialis
Antidorcas bondi
Redunca fulvorufula
Pelea capreolus
Damalliscus dorcas

Springbuck
 extinct Springbuck
 Mountain reedbuck
 Grey rhebuck
 Blesbok/Bontebok

Size category 3

Alcelaphus buselaphus
Megalotragus priscus
Tragelaphus strepsiceros
Connochaetes gnou
Connochaetes taurinus
Hippotragus niger
Hippotragus equinus
Hippotragus leucophaeus

Red Hartebees
 extinct Giant Hartebees
 Kudu
 Black Wildebeest
 Blue Wildebeest
 Sable
 Roan
 extinct Blue buck

Size category 4

Taurotragus oryx

Eland

TABLE 38: All levels, evenness indices

EVENNESS

	STONE			BONE (nlsp)	
	Non-formal	Formal	Difference	All spp	Ungulates
Mn	-0.4999	-0.7594	-0.2595	-0.7824	-0.7523
A	-0.0514	-0.7837	-0.7323	-0.7136	-0.6609
A2	-0.5120	-0.6713	-0.1593	-0.7673	-0.7646
Pt	-0.4460	-0.7420	-0.2960	-0.7935	-0.8021
Ja	-0.5550	-0.9070	-0.3520	-0.8151	-0.8159
Ph	-0.5870	-0.9080	-0.3210	-0.8273	-0.8288
CM	-0.5470	-0.7870	-0.2400	-0.8901	-0.7906
H	-0.5630	-0.8660	-0.3030	-0.8798	-0.8916
DCM	-0.5490	-0.9040	-0.3550	-0.9249	-0.9249
LB				-0.6696	-0.6696
DB				-0.8968	-0.9082

EVENNESS/STANDARD

	STONE			BONE (nlsp)	
	Non-formal	Formal	Difference	All spp	Ungulates
Mn	0.4999	0.7594	0.2595	0.7824	0.7523
A	0.5143	0.7837	0.2694	0.7136	0.6609
A2	0.5120	0.6713	0.1593	0.7673	0.7646
Pt	0.4460	0.7420	0.2960	0.7935	0.8021
Ja	0.5552	0.9067	0.3515	0.8151	0.8159
Ph	0.5870	0.9080	0.3210	0.8273	0.8288
CM	0.5470	0.8700	0.3230	0.8901	0.7906
H	0.5630	0.8660	0.3030	0.8798	0.8916
DCM	0.5495	0.9038	0.3543	0.9249	0.9249
LB				0.6696	0.6696
DB				0.8968	0.9082

TABLE 38: All levels, richness indices

RICHNESS

	STONE			BONE (nisp)	
	Non-formal	Formal	Difference	All spp	Ungulates
Mn	3.3253	4.7393	1.4140	4.5431	3.0270
A	3.4203	4.1308	0.7105	4.1743	2.3395
A2	3.2880	4.8406	1.5526	3.7192	2.1014
Pt	2.5770	4.7510	2.1740	3.5380	2.7385
Ja	3.6600	5.2460	1.5860	4.0227	2.0888
Ph	3.9670	3.3380	-0.6290	4.1277	2.5401
CM	3.8690	4.9910	1.1220	4.0191	4.1703
H	3.5160	4.2280	0.7120	3.7431	2.9401
DCM	3.4809	4.4102	0.9293	2.5881	2.5881
LB				0.9618	0.9618
DB				3.2314	2.7296

RICHNESS/STANDARD

	STONE			BONE (nisp)	
	Non-formal	Formal	Difference	All spp	Ungulates
Mn	0.3900	0.5699	0.1799	0.6278	0.5855
A	0.4011	0.5383	0.1372	0.5440	0.4749
A2	0.3560	0.6020	0.2460	0.5139	0.4492
Pt	0.3560	0.6020	0.2460	0.5787	0.5853
Ja	0.4091	0.7036	0.2945	0.5921	0.5009
Ph	0.4770	0.8000	0.3230	0.5703	0.5156
CM	0.4230	0.7870	0.3640	0.6637	1.0000
H	0.4230	0.7490	0.3260	0.6919	0.7050
DCM	0.3803	0.8152	0.4349	0.7108	0.7108
LB				0.5283	0.5283
DB				0.6907	0.6545

TABLE 37: Ja level, unidentifiable bone

Damage	(g)	
Burnt	4890.70	75.47%
Undamaged	1453.42	22.43%
Chop/Cut	6.50	0.10%
Gnawed (p)	62.89	0.97%
Gnawed (c)	66.71	1.03%
TOTAL	6480.22	100.00%

Skeletal part		
Enamel	420.76	6.49%
Skull	372.20	5.74%
Vertebra	202.87	3.13%
Rib	229.40	3.54%
Longbone	3662.60	56.52%
Miscellaneous	1592.39	24.57%
TOTAL	6480.22	100.00%

Skeletal parts		
(percentages without miscellaneous)		
Enamel	420.76	8.61%
Skull	372.20	7.61%
Vertebra	202.87	4.15%
Rib	229.40	4.69%
Longbone	3662.60	74.93%
TOTAL	4887.83	100.00%

TABLE 44: (cont.)

Ja LEVEL Species	NISP		MNI	
<i>Cercopithecus aethiops</i>	1	-0.0282	1	-0.1083
<i>Canis mesomelas</i>	3	-0.0688	1	-0.1083
<i>Aonyx capensis</i>	1	-0.0282	1	-0.1083
<i>Attilax paludinosus</i>	1	-0.0282	1	-0.1083
<i>Panthera pardus</i>	1	-0.0282	1	-0.1083
<i>Felis lybica</i>	1	-0.0282	1	-0.1083
<i>Equus burchelli/quagga</i>	1	-0.0282	1	-0.1083
<i>Procavia capensis</i>	30	-0.2880	2	-0.1733
<i>Phacochorus aethiopicus</i>	18	-0.2267	2	-0.1733
<i>Connochaetes gnou</i>	8	-0.1358	2	-0.1733
<i>Connochaetes taurinus</i>	3	-0.0888	1	-0.1083
<i>Alcelaphus buselaphus</i>	11	-0.1678	2	-0.1733
<i>Demaliscus dorcas</i>	6	-0.1112	2	-0.1733
<i>Sylvicapra grimmia</i>	4	-0.0829	2	-0.1733
<i>Antidorcas marsupialis</i>	46	-0.3460	4	-0.2899
<i>Antidorcas bondi</i>	4	-0.0829	1	-0.1083
<i>Pelea capreolus</i>	7	-0.1239	2	-0.1733
<i>Taurotragus oryx</i>	12	-0.1774	1	-0.1083
<i>Pedetes capensis</i>	3	-0.0888	1	-0.1083
<i>Hystrix africaeustralis</i>	6	-0.1112	1	-0.1083
<i>Lepus/Pronolagus</i>	6	-0.1112	1	-0.1083
Tortoise	12	-0.1774	1	-0.1083
TOTAL	185		32	
No of species				
Diversity		-2.5194		-2.8892
Richness		4.0227		8.0593
Evenness		-0.8151		-0.8671
Diversity/standard		0.8161		0.8671
Richness/standard		0.8921		0.8919
Evenness/standard		0.8161		0.8671

Ja LEVEL Species	NISP	
<i>Cercopithecus aethiops</i>	1	-0.1408
<i>Canis mesomelas</i>	1	-0.1408
<i>Aonyx capensis</i>	1	-0.1408
<i>Attilax paludinosus</i>	1	-0.1408
<i>Panthera pardus</i>	1	-0.1408
<i>Felis lybica</i>	1	-0.1408
<i>Equus burchelli/quagga</i>	1	-0.1408
<i>Procavia capensis</i>	1	-0.1408
<i>Phacochorus aethiopicus</i>	1	-0.1408
<i>Connochaetes gnou</i>	1	-0.1408
<i>Connochaetes taurinus</i>	1	-0.1408
<i>Alcelaphus buselaphus</i>	1	-0.1408
<i>Demaliscus dorcas</i>	1	-0.1408
<i>Sylvicapra grimmia</i>	1	-0.1408
<i>Antidorcas marsupialis</i>	1	-0.1408
<i>Antidorcas bondi</i>	1	-0.1408
<i>Pelea capreolus</i>	1	-0.1408
<i>Taurotragus oryx</i>	1	-0.1408
<i>Pedetes capensis</i>	1	-0.1408
<i>Hystrix africaeustralis</i>	1	-0.1408
<i>Lepus/Pronolagus</i>	1	-0.1408
Tortoise	1	-0.1408
TOTAL	22	
No of species		
Diversity		-3.0910
Richness		8.7938
Evenness		-1.0000

PM LEVEL Species	NISP		MNI	
<i>Papio ursinus</i>	2	-0.0371	1	-0.0860
<i>Canis mesomelas</i>	9	-0.1155	1	-0.0860
<i>Suricata suricatta</i>	1	-0.0212	1	-0.0860
<i>Attilax paludinosus</i>	3	-0.0510	2	-0.1408
<i>Felis caracal</i>	1	-0.0212	1	-0.0860
<i>Procavia capensis</i>	37	-0.2759	8	-0.3100
<i>Phacochorus aethiopicus</i>	25	-0.2237	2	-0.1408
<i>Connochaetes gnou</i>	10	-0.1243	2	-0.1408
<i>Alcelaphus buselaphus</i>	4	-0.0837	1	-0.0860
<i>Demaliscus dorcas</i>	28	-0.2237	2	-0.1408
<i>Sylvicapra grimmia</i>	7	-0.0885	1	-0.0860
<i>Antidorcas marsupialis</i>	48	-0.3104	6	-0.2717
<i>Antidorcas bondi</i>	4	-0.0837	1	-0.0860
<i>Oreotragus oreotragus</i>	5	-0.0783	2	-0.1408
<i>Raphicerus campestris</i>	5	-0.0783	1	-0.0860
<i>Pelea capreolus</i>	12	-0.1408	2	-0.1408
<i>Hippotragus leucophaeus</i>	1	-0.0212	1	-0.0860
<i>Tragelaphus streptaceros</i>	2	-0.0371	1	-0.0860
<i>Taurotragus oryx</i>	16	-0.1703	1	-0.0860
<i>Redunca fulvorufula</i>	3	-0.0510	1	-0.0860
<i>Pedetes capensis</i>	2	-0.0371	1	-0.0860
<i>Hystrix africaeustralis</i>	1	-0.0212	1	-0.0860
<i>Lepus/Pronolagus</i>	10	-0.1243	2	-0.1408
Tortoise	30	-0.2476	2	-0.1408
TOTAL	283		44	
No of species	24			
Diversity		-2.8293		-2.8097
Richness		4.1277		6.0779
Evenness		-0.8273		-0.8156
Diversity/standard		0.8273		0.9156
Richness/standard		0.5703		0.8398
Evenness/standard		0.8273		0.8156

PM LEVEL Species	NISP	
<i>Papio ursinus</i>	1	-0.1324
<i>Canis mesomelas</i>	1	-0.1324
<i>Suricata suricatta</i>	1	-0.1324
<i>Attilax paludinosus</i>	1	-0.1324
<i>Felis caracal</i>	1	-0.1324
<i>Procavia capensis</i>	1	-0.1324
<i>Phacochorus aethiopicus</i>	1	-0.1324
<i>Connochaetes gnou</i>	1	-0.1324
<i>Alcelaphus buselaphus</i>	1	-0.1324
<i>Demaliscus dorcas</i>	1	-0.1324
<i>Sylvicapra grimmia</i>	1	-0.1324
<i>Antidorcas marsupialis</i>	1	-0.1324
<i>Antidorcas bondi</i>	1	-0.1324
<i>Oreotragus oreotragus</i>	1	-0.1324
<i>Raphicerus campestris</i>	1	-0.1324
<i>Pelea capreolus</i>	1	-0.1324
<i>Hippotragus leucophaeus</i>	1	-0.1324
<i>Tragelaphus streptaceros</i>	1	-0.1324
<i>Taurotragus oryx</i>	1	-0.1324
<i>Redunca fulvorufula</i>	1	-0.1324
<i>Pedetes capensis</i>	1	-0.1324
<i>Hystrix africaeustralis</i>	1	-0.1324
<i>Lepus/Pronolagus</i>	1	-0.1324
Tortoise	1	-0.1324
TOTAL	24	
No of species	24	
Diversity		-3.1781
Richness		7.2371
Evenness		-1.0000

TABLE 44: (cont.)

A2 LEVEL			A2 LEVEL		
Species	NISP	MNI	Species	NISP	
<i>Papio ursinus</i>	7	-0.0612	<i>Papio ursinus</i>	1	-0.1324
<i>Canis mesomelas</i>	8	-0.0677	<i>Canis mesomelas</i>	1	-0.1324
<i>Atilax paludinosus</i>	1	-0.0126	<i>Atilax paludinosus</i>	1	-0.1324
<i>Panthera pardus</i>	7	-0.0612	<i>Panthera pardus</i>	1	-0.1324
<i>Felis lybica</i>	1	-0.0126	<i>Felis lybica</i>	1	-0.1324
<i>Procavia capensis</i>	90	-0.3126	<i>Procavia capensis</i>	1	-0.1324
<i>Phacochorus aethiopicus</i>	28	-0.1669	<i>Phacochorus aethiopicus</i>	1	-0.1324
<i>Ovis aries</i>	6	-0.0543	<i>Ovis aries</i>	1	-0.1324
<i>Capra hircus</i>	28	-0.1646	<i>Capra hircus</i>	1	-0.1324
<i>Connochaetes gnou</i>	15	-0.1075	<i>Connochaetes gnou</i>	1	-0.1324
<i>Connochaetes taurinus</i>	5	-0.0472	<i>Connochaetes taurinus</i>	1	-0.1324
<i>Alcelaphus buselaphus</i>	7	-0.0612	<i>Alcelaphus buselaphus</i>	1	-0.1324
<i>Damaeliscus dorcas</i>	32	-0.1794	<i>Damaeliscus dorcas</i>	1	-0.1324
<i>Sylvicapra grimmia</i>	1	-0.0126	<i>Sylvicapra grimmia</i>	1	-0.1324
<i>Antidorcas marsupialis</i>	130	-0.3529	<i>Antidorcas marsupialis</i>	1	-0.1324
<i>Raphicercus campestris</i>	5	-0.0472	<i>Raphicercus campestris</i>	1	-0.1324
<i>Pelea capreolus</i>	17	-0.1175	<i>Pelea capreolus</i>	1	-0.1324
<i>Taurotragus oryx</i>	16	-0.1125	<i>Taurotragus oryx</i>	1	-0.1324
<i>Redunca fulvorufula</i>	14	-0.1023	<i>Redunca fulvorufula</i>	1	-0.1324
<i>Xerus inauris</i>	3	-0.0316	<i>Xerus inauris</i>	1	-0.1324
<i>Pedetes capensis</i>	5	-0.0472	<i>Pedetes capensis</i>	1	-0.1324
<i>Hystrix africaeustralis</i>	3	-0.0316	<i>Hystrix africaeustralis</i>	1	-0.1324
<i>Lepus/Pronolagus</i>	54	-0.2444	<i>Lepus/Pronolagus</i>	1	-0.1324
Tortoise	4	-0.0396	Tortoise	1	-0.1324
TOTAL	485	48	TOTAL	24	
No of species	24		No of species	24	
Diversity	-2.4384	-3.0137	Diversity	-3.1781	
Richness	3.7192	5.8413	Richness	7.2371	
Evenness	-0.7673	-0.9483	Evenness	-1.0000	
Diversity/standard	0.7673	0.9483			
Richness/standard	0.5139	0.8209			
Evenness/standard	0.7673	0.9483			

PT LEVEL			PT LEVEL		
Species	NISP	MNI	Species	NISP	
<i>Papio ursinus</i>	4	-0.0914	<i>Papio ursinus</i>	1	-0.1550
<i>Canis mesomelas</i>	1	-0.0314	<i>Canis mesomelas</i>	1	-0.1550
<i>Equus burchelli/quagga</i>	1	-0.0314	<i>Equus burchelli/quagga</i>	1	-0.1550
<i>Procavia capensis</i>	45	-0.3658	<i>Procavia capensis</i>	1	-0.1550
<i>Phacochorus aethiopicus</i>	23	-0.2772	<i>Phacochorus aethiopicus</i>	1	-0.1550
<i>Connochaetes gnou</i>	5	-0.1074	<i>Connochaetes gnou</i>	1	-0.1550
<i>Connochaetes taurinus</i>	1	-0.0314	<i>Connochaetes taurinus</i>	1	-0.1550
<i>Alcelaphus buselaphus</i>	2	-0.0549	<i>Alcelaphus buselaphus</i>	1	-0.1550
<i>Damaeliscus dorcas</i>	10	-0.1718	<i>Damaeliscus dorcas</i>	1	-0.1550
<i>Antidorcas marsupialis</i>	18	-0.2441	<i>Antidorcas marsupialis</i>	1	-0.1550
<i>Oreotragus oreotragus</i>	1	-0.0314	<i>Oreotragus oreotragus</i>	1	-0.1550
<i>Raphicercus campestris</i>	1	-0.0314	<i>Raphicercus campestris</i>	1	-0.1550
<i>Pelea capreolus</i>	3	-0.0739	<i>Pelea capreolus</i>	1	-0.1550
<i>Hippotragus equinus</i>	2	-0.0543	<i>Hippotragus equinus</i>	1	-0.1550
<i>Taurotragus oryx</i>	8	-0.1486	<i>Taurotragus oryx</i>	1	-0.1550
<i>Redunca fulvorufula</i>	5	-0.1074	<i>Redunca fulvorufula</i>	1	-0.1550
<i>Hystrix africaeustralis</i>	2	-0.0543	<i>Hystrix africaeustralis</i>	1	-0.1550
<i>Lepus/Pronolagus</i>	13	-0.2024	<i>Lepus/Pronolagus</i>	1	-0.1550
Tortoise	17	-0.2366	Tortoise	1	-0.1550
TOTAL	167	28	TOTAL	19	
No of species	19		No of species	19	
Diversity	-2.3363	-2.7315	Diversity	-2.8444	
Richness	3.5380	5.4010	Richness	6.1132	
Evenness	-0.7935	-0.9277	Evenness	-1.0000	
Diversity/standard	0.7935	0.9277			
Richness/standard	0.5787	0.8836			
Evenness/standard	0.7935	0.9277			

TABLE 44: All species, diversity, richness and evenness indices

MN LEVEL Species	NISP	MNI	MN LEVEL Species	NISP
<i>Papio ursinus</i>	2	-0.0553	<i>Papio ursinus</i>	1
<i>Canis mesomelas</i>	1	-0.0320	<i>Canis mesomelas</i>	1
<i>Cynictis penicillata</i>	1	-0.0320	<i>Cynictis penicillata</i>	1
<i>Hyæna brunnea</i>	2	-0.0553	<i>Hyæna brunnea</i>	1
<i>Felis lybica</i>	2	-0.0553	<i>Felis lybica</i>	1
<i>Equus burchelli/quagga</i>	1	-0.0320	<i>Equus burchelli/quagga</i>	1
<i>Procavia capensis</i>	27	-0.3018	<i>Procavia capensis</i>	1
<i>Phacochærus aethiopicus</i>	5	-0.1093	<i>Phacochærus aethiopicus</i>	1
<i>Bos taurus</i>	17	-0.2399	<i>Bos taurus</i>	1
<i>Ovis aries</i>	5	-0.1093	<i>Ovis aries</i>	1
<i>Connochaetes gnou</i>	11	-0.1855	<i>Connochaetes gnou</i>	1
<i>Connochaetes taurinus</i>	2	-0.0553	<i>Connochaetes taurinus</i>	1
<i>Alcelaphus buselaphus</i>	7	-0.1301	<i>Alcelaphus buselaphus</i>	1
<i>Damaliscus dorcas</i>	6	-0.1241	<i>Damaliscus dorcas</i>	1
<i>Antidorcas marsupialis</i>	39	-0.3452	<i>Antidorcas marsupialis</i>	1
<i>Oreotragus oreotragus</i>	1	-0.0320	<i>Oreotragus oreotragus</i>	1
<i>Ourebia ourebia</i>	1	-0.0320	<i>Ourebia ourebia</i>	1
<i>Raphicarpus campestris</i>	1	-0.0320	<i>Raphicarpus campestris</i>	1
<i>Pelea capreolus</i>	2	-0.0553	<i>Pelea capreolus</i>	1
<i>Taurotragus oryx</i>	3	-0.0753	<i>Taurotragus oryx</i>	1
<i>Redunca fulvorufula</i>	1	-0.0320	<i>Redunca fulvorufula</i>	1
<i>Xerus inauris</i>	1	-0.0320	<i>Xerus inauris</i>	1
<i>Hystrix africaeaustralis</i>	4	-0.0931	<i>Hystrix africaeaustralis</i>	1
<i>Lepus/Pronolagus</i>	10	-0.2319	<i>Lepus/Pronolagus</i>	1
TOTAL	150	37	TOTAL	24
No of species	24		No of species	24
Diversity	-2.4689	-2.9745	Diversity	-3.1781
Richness	4.5431	6.3696	Richness	7.2371
Evenness	-0.7624	-0.9359	Evenness	-1.0000
Diversity/standard	0.7024	0.9359		
Richness/standard	0.8270	0.9901		
Evenness/standard	0.7624	0.9359		

A LEVEL Species	NISP	MNI	A LEVEL Species	NISP
<i>Papio ursinus</i>	0	-0.0784	<i>Papio ursinus</i>	1
<i>Canis mesomelas</i>	3	-0.0369	<i>Canis mesomelas</i>	1
<i>Atelax paludinosus</i>	1	-0.0150	<i>Atelax paludinosus</i>	1
<i>Panthera pardus</i>	2	-0.0265	<i>Panthera pardus</i>	1
<i>Felis lybica</i>	2	-0.0265	<i>Felis lybica</i>	1
<i>Felis caracal</i>	1	-0.0150	<i>Felis caracal</i>	1
<i>Procavia capensis</i>	66	-0.2976	<i>Procavia capensis</i>	1
<i>Phacochorus aethiopicus</i>	24	-0.1691	<i>Phacochorus aethiopicus</i>	1
<i>Bos taurus</i>	4	-0.0481	<i>Bos taurus</i>	1
<i>Ovis aries</i>	1	-0.0150	<i>Ovis aries</i>	1
<i>Connochaetes gnou</i>	16	-0.1233	<i>Connochaetes gnou</i>	1
<i>Connochaetes taurinus</i>	4	-0.0481	<i>Connochaetes taurinus</i>	1
<i>Alcelaphus buselaphus</i>	5	-0.0549	<i>Alcelaphus buselaphus</i>	1
<i>Damaliscus dorcas</i>	31	-0.1885	<i>Damaliscus dorcas</i>	1
<i>Sylvicapra grimmia</i>	4	-0.0481	<i>Sylvicapra grimmia</i>	1
<i>Antidorcas marsupialis</i>	138	-0.3867	<i>Antidorcas marsupialis</i>	1
<i>Raphicarpus campestris</i>	6	-0.0631	<i>Raphicarpus campestris</i>	1
<i>Aepyceros melampus</i>	1	-0.0150	<i>Aepyceros melampus</i>	1
<i>Pelea capreolus</i>	10	-0.0824	<i>Pelea capreolus</i>	1
<i>Taurotragus oryx</i>	12	-0.1054	<i>Taurotragus oryx</i>	1
<i>Redunca fulvorufula</i>	7	-0.0709	<i>Redunca fulvorufula</i>	1
<i>Xerus inauris</i>	3	-0.0549	<i>Xerus inauris</i>	1
<i>Pedetes capensis</i>	5	-0.0549	<i>Pedetes capensis</i>	1
<i>Hystrix africaeaustralis</i>	4	-0.0481	<i>Hystrix africaeaustralis</i>	1
<i>Lepus/Pronolagus</i>	41	-0.2338	<i>Lepus/Pronolagus</i>	1
<i>Tortoise</i>	2	-0.0265	<i>Tortoise</i>	1
TOTAL	399	42	TOTAL	28
No of species	26		No of species	28
Diversity	-2.3249	-3.1045	Diversity	-0.2581
Richness	4.1743	6.6807	Richness	7.6732
Evenness	-0.7136	-0.9529	Evenness	-1.0000
Diversity/standard	0.7136	0.9529		
Richness/standard	0.5449	0.9717		
Evenness/standard	0.7136	0.9529		

TABLE 43: Spearman rank-order correlations for FUI and density values

MN		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den	0.9045	0.8522	0.8809	
significance		0.0267	0.0003	0.0003	
sample size		7	19	20	2
coefficient	%mau%fui	0.9048	0.5892	0.8010	
significance		0.0267	0.0157	0.0036	
A		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den	0.7027	0.8273	0.9104	1.0000
significance		0.0056	0.0009	0.0009	0.0000
sample size		15	29	25	4
coefficient	%mau%fui	0.6550	0.3833	0.5230	1.0000
significance		0.0142	0.0414	0.0100	0.0000
A2		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den	0.9241	0.8913	0.8932	0.9395
significance		0.0003	0.0000	0.0000	0.0079
sample size		19	32	28	9
coefficient	%mau%fui	0.7229	0.5632	0.6448	0.7170
significance		0.0023	0.0017	0.0008	0.0426
PT		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den	0.8247	0.8096	0.8067	1.0000
significance		0.0003	0.0006	0.0073	0.0000
sample size		20	29	13	3
coefficient	%mau%fui	0.6478	0.6706	0.3735	0.5000
significance		0.0047	0.0000	0.1956	0.4795
JA		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den	0.8729	0.8513	0.8943	0.9747
significance		0.0018	0.0001	0.0013	0.0013
sample size		12	21	15	5
coefficient	%mau%fui	0.5105	0.7163	0.6902	0.6669
significance		0.0735	0.0014	0.0169	0.1833
PH		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den	0.9159	0.9109	0.8993	0.8669
significance		0.0006	0	0.0004	0.0037
sample size		15	24	17	7
coefficient	%mau%fui	0.7811	0.6878	0.8063	0.729
significance		0.007	0.001	0.0013	0.0742
GM		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den	0.8879	0.7069	0.883	0.7749
significance		0.0023	0.0004	0.0183	0.1797
sample size		11	21	7	4
coefficient	%mau%fui	0.8165	0.8063	0.8175	0.7749
significance		0.0098	0.0003	0.1304	0.1797
H		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den	0.9013	0.8887	0.9885	
significance		0.0073	0.0005	0.0000	
sample size		11	14	8	2
coefficient	%mau%fui	0.6402	0.7101	0.9122	
significance		0.0404	0.0108	0.0114	
DCM		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den		0.7746	1.0000	
significance			0.1797	0.0000	
sample size			4	3	
coefficient	%mau%fui		0.7746	1.0000	
significance			0.1797	0.0000	
LB		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den		0.9747		
significance			0.0513		
sample size			5	2	
coefficient	%mau%fui		0.9747		
significance			0.0513		
DB		Boy 1	Boy 2	Boy 3	Boy 4
coefficient	%mau%den		0.9515	0.9836	0.885
significance			0.0115	0.0183	0.2207
sample size			8	8	3
coefficient	%mau%fui		0.8793	0.8915	0.669
significance			0.0202	0.1115	0.2207

TABLE 42: (cont.)
DB level

Bov 1	NISP	MAU	%MAU(M) FUI	%FUI(M) DENSITY% DIRM
SKULL				
HORN CORE				
HYOID				
MAXILLA				
MANDIBLE				
ATLAS				
AXIS				
PELVIS				
SCAPULA				
HUMERUS				
proximal				
distal				
RADIUS/ULNA				
proximal				
distal				
CARPALS				
METACARPAL				
proximal				
distal				
FEMUR				
proximal				
distal				
PAT. LA				
TIBIA				
proximal				
distal				
METATARSAL				
proximal				
distal				
TARSAL				
ASTRAGALUS				
CALCANEUM	1	0.50	100.00%	712.00 100.00% 0.32 100.00%
METAPODIAL				
SEBAMOID				
PHALANX 1				
PHALANX 2				
PHALANX 3				
PHALANX INDET				
TOTALS	1			712 0.32
Bov 2	NISP	MAU	%MAU(M) FUI	%FUI(M) DENSITY% DIRM
SKULL				
HORN CORE				
HYOID				
MAXILLA	0	0.40	40.00%	
MANDIBLE	0	0.21	20.00%	333.33 33.33% 0.12 23.28%
ATLAS				
AXIS				
PELVIS				
SCAPULA				
HUMERUS				
proximal				
distal	1	0.50	50.00%	645.50 100.00% 0.20 31.84%
RADIUS/ULNA				
proximal	1	0.50	50.00%	681.50 88.90% 0.15 25.29%
distal				
CARPALS	1	0.08	0.33%	94.45 6.70%
METACARPAL				
proximal				
distal				
FEMUR				
proximal				
distal				
PAT. LA				
TIBIA				
proximal				
distal				
METATARSAL	2	1.00	100.00%	607.50 94.82% 0.21 100.00%
proximal				
distal				
TARSAL	1	0.12	12.50%	
ASTRAGALUS				0.00 0.00%
CALCANEUM	1	0.50	50.00%	712.00 75.36% 0.39 82.75%
METAPODIAL				
SEBAMOID				
PHALANX 1	1	0.25	25.00%	103.78 17.32% 0.07 12.75%
PHALANX 2				
PHALANX 3				
PHALANX INDET				
TOTALS	21			3888 714 1.44
Bov 3	NISP	MAU	%MAU(M) FUI	%FUI(M) DENSITY% DIRM
SKULL				
HORN CORE				
HYOID	1	1.00	50.00%	164.84 2.40%
MAXILLA	11	0.78	59.26%	
MANDIBLE	15	0.83	31.25%	1000.00 12.97% 0.36 44.53%
ATLAS				
AXIS				
PELVIS				
SCAPULA				
HUMERUS	1	0.50	25.00%	1040.00 13.50% 0.16 20.00%
proximal				
distal				
RADIUS/ULNA	2	1.00	50.00%	1181.00 15.32% 0.40 50.00%
proximal				
distal				
CARPALS				
METACARPAL				
proximal				
distal				
FEMUR	3	1.50	75.00%	7725.50 100.00% 0.48 80.00%
proximal				
distal				
PAT. LA				
TIBIA	4	2.00	100.00%	8482.00 71.28% 0.88 100.00%
proximal				
distal				
METATARSAL	1	0.50	25.00%	440.78 5.92% 0.26 31.60%
proximal				
distal				
TARSAL				
ASTRAGALUS				
CALCANEUM				
METAPODIAL				
SEBAMOID				
PHALANX 1	4	0.50	25.00%	221.50 2.87% 0.19 18.62%
PHALANX 2				
PHALANX 3				
PHALANX INDET				
TOTALS	44			17144 2.68
Bov 4	NISP	MAU	%MAU(M) FUI	%FUI(M) DENSITY% DIRM
SKULL				
HORN CORE				
HYOID	2	0.14	20.57%	
MAXILLA	5	0.21	41.07%	533.33 12.87% 0.12 90.58%
MANDIBLE				
ATLAS				
AXIS				
PELVIS				
SCAPULA				
HUMERUS				
proximal				
distal				
RADIUS/ULNA				
proximal				
distal				
CARPALS				
METACARPAL				
proximal				
distal				
FEMUR	1	0.50	100.00%	2560.50 100.00% 0.19 80.00%
proximal				
distal				
PAT. LA				
TIBIA	1	0.50	100.00%	1379.00 83.43% 0.28 100.00%
proximal				
distal				
METATARSAL				
proximal				
distal				
TARSAL				
ASTRAGALUS				
CALCANEUM				
METAPODIAL				
SEBAMOID				
PHALANX 1				
PHALANX 2				
PHALANX 3				
PHALANX INDET				
TOTALS	9			4309.4 0.48

TABLE 42: (cont.)
LB level

Dev 1	NBP	MAU	%MAUM: FUI	%FUI:M: DENSITY%DER(M)
SKULL				
HORN CORE				
HYOID				
MAXILLA				
MANDIBLE				
ATLAS				
AXIS				
PELVIS				
SCAPULA				
HUMERUS				
proximal				
distal				
RADIUS/ULNA				
proximal				
distal				
CARPALS				
METACARPAL				
proximal				
distal				
FEMUR				
proximal				
distal				
PATELLA				
TIBIA				
proximal				
distal				
METATARSAL				
proximal				
distal				
TARSAL				
ASTRAGALUS				
CALCANEUM				
METAPODIAL				
SESAMOID				
PHALANX 1				
PHALANX 2				
PHALANX 3				
PHALANX INDET				
TOTALS				
Dev 2	NBP	MAU	%MAUM: FUI	%FUI:M: DENSITY%DER(M)
SKULL				
HORN CORE				
HYOID				
MAXILLA				
MANDIBLE				
ATLAS				
AXIS				
PELVIS				
SCAPULA				
HUMERUS				
proximal				
distal				
RADIUS/ULNA				
proximal				
distal				
CARPALS				
METACARPAL				
proximal				
distal				
FEMUR				
proximal				
distal				
PATELLA				
TIBIA				
proximal				
distal				
METATARSAL				
proximal				
distal				
TARSAL				
ASTRAGALUS				
CALCANEUM				
METAPODIAL				
SESAMOID				
PHALANX 1				
PHALANX 2				
PHALANX 3				
PHALANX INDET				
TOTALS				
Dev 3	NBP	MAU	%MAUM: FUI	%FUI:M: DENSITY%DER(M)
SKULL				
HORN CORE				
HYOID				
MAXILLA				
MANDIBLE				
ATLAS				
AXIS				
PELVIS				
SCAPULA				
HUMERUS				
proximal				
distal				
RADIUS/ULNA				
proximal				
distal				
CARPALS				
METACARPAL				
proximal				
distal				
FEMUR				
proximal				
distal				
PATELLA				
TIBIA				
proximal				
distal				
METATARSAL				
proximal				
distal				
TARSAL				
ASTRAGALUS				
CALCANEUM				
METAPODIAL				
SESAMOID				
PHALANX 1				
PHALANX 2				
PHALANX 3				
PHALANX INDET				
TOTALS				
Dev 4	NBP	MAU	%MAUM: FUI	%FUI:M: DENSITY%DER(M)
SKULL				
HORN CORE				
HYOID				
MAXILLA				
MANDIBLE				
ATLAS				
AXIS				
PELVIS				
SCAPULA				
HUMERUS				
proximal				
distal				
RADIUS/ULNA				
proximal				
distal				
CARPALS				
METACARPAL				
proximal				
distal				
FEMUR				
proximal				
distal				
PATELLA				
TIBIA				
proximal				
distal				
METATARSAL				
proximal				
distal				
TARSAL				
ASTRAGALUS				
CALCANEUM				
METAPODIAL				
SESAMOID				
PHALANX 1				
PHALANX 2				
PHALANX 3				
PHALANX INDET				
TOTALS				

TABLE 42: (cont.)
DCM level

Boy 1	NBP	MAU	%MAU(M) FLU	%FLU(M) DENSITY%DBR(M)	Boy 3	NBP	MAU	%MAU(M) FLU	%FLU(M) DENSITY%DBR(M)
SKULL					SKULL	7			201.43 19.25%
HORNGORE					HORNGORE				
HYOID					HYOID	1	0.80	100.00%	
MAXILLA					MAXILLA	8	0.38	71.43%	
MANDIBLE					MANDIBLE	1	0.04	8.33%	88.87 0.37% 0.92 14.84%
ATLAS					ATLAS				
AXIS					AXIS				
PELVIS					PELVIS				
SCAPULA					SCAPULA				
HUMERUS					HUMERUS	1	0.80	100.00%	1018.50 100.00% 0.16 100.00%
proximal					proximal				
dial					dial				
RADIALBULNA					RADIALBULNA				
proximal					proximal				
dial					dial				
CARPALS					CARPALS				
METACARPAL					METACARPAL				
proximal					proximal				
dial					dial				
FEMUR					FEMUR				
proximal					proximal				
dial					dial				
PATELLA					PATELLA				
TIBIA					TIBIA				
proximal					proximal				
dial					dial				
METATARSAL					METATARSAL				
proximal					proximal				
dial					dial				
TARSAL					TARSAL				
ASTRAGALUS					ASTRAGALUS				
CALCANEUM					CALCANEUM				
METAPODIAL					METAPODIAL				
SESAMOID					SESAMOID	3			
PHALANX 1					PHALANX 1	2	0.28	80.00%	110.78 10.00% 0.08 30.00%
PHALANX 2					PHALANX 2				
PHALANX 3					PHALANX 3				
PHALANX INDET					PHALANX INDET				
TOTALS					TOTALS	20		1426.2	0.85

Boy 2	NBP	MAU	%MAU(M) FLU	%FLU(M) DENSITY%DBR(M)	Boy 4	NBP	MAU	%MAU(M) FLU	%FLU(M) DENSITY%DBR(M)
SKULL	1			87.14 11.37%	SKULL	1			33.87 1.31%
HORNGORE					HORNGORE				
HYOID					HYOID				
MAXILLA	4	0.29	57.14%		MAXILLA	2	0.14	28.57%	
MANDIBLE	8	0.29	30.00%	400.00 87.74% 0.14 71.25%	MANDIBLE				
ATLAS					ATLAS				
AXIS					AXIS				
PELVIS	2	0.28	80.00%	587.78 08.53% 0.87 35.76%	PELVIS				
SCAPULA					SCAPULA				
HUMERUS					HUMERUS				
proximal					proximal				
dial					dial				
RADIALBULNA	1	0.90	100.00%	500.30 100.00% 0.20 100.00%	RADIALBULNA				
proximal					proximal				
dial					dial				
CARPALS					CARPALS				
METACARPAL					METACARPAL				
proximal					proximal				
dial					dial				
FEMUR					FEMUR	1	0.80	100.00%	2569.30 100.00% 0.16 100.00%
proximal					proximal				
dial					dial				
PATELLA					PATELLA				
TIBIA					TIBIA				
proximal					proximal				
dial					dial				
METATARSAL					METATARSAL				
proximal					proximal				
dial					dial				
TARSAL					TARSAL				
ASTRAGALUS					ASTRAGALUS				
CALCANEUM					CALCANEUM				
METAPODIAL					METAPODIAL				
SESAMOID					SESAMOID				
PHALANX 1	2	0.28	80.00%	110.78 18.76% 0.08 31.25%	PHALANX 1				
PHALANX 2					PHALANX 2				
PHALANX 3					PHALANX 3				
PHALANX INDET					PHALANX INDET				
TOTALS	16		1786.143	0.47	TOTALS	4		8003.1	0.18

TABLE 42: (cont.)
H level

Boy 1	NISP	MAU	%MAU(M) FUJ	%FUJ(M) DENSITY	%DIN(M)
SKULL					
HORN CORE					
HYOID					
MAXILLA					
MANDIBLE					
ATLAS					
AXIS					
PELVIS					
SCAPULA					
HUMERUS					
proximal					
distal	4	2.00	100.00%	3782.00	100.00%
RADIUS/ULNA	2	1.00	50.00%	1191.00	31.20%
proximal					
distal					
CARPALS	1	0.08	5.33%	24.42	3.52%
METACARPAL					
proximal					
distal					
FEMUR					
proximal					
distal					
PATELLA					
TIBIA					
proximal					
distal	1	0.50	50.00%	1133.50	76.80%
METATARSAL					
proximal					
distal					
TARSAL	1	0.15	12.50%		0.05
ASTRAGALUS	2	1.00	100.00%	1484.00	100.00%
CALCANEUM	1	0.50	50.00%	712.00	50.00%
METAPODIAL	2	0.50	100.00%	327.50	100.00%
SESAMOID					
PHALANX 1	3	0.36	100.00%	188.10	100.00%
PHALANX 2	3	0.36	100.00%	188.10	100.00%
PHALANX 3	1	0.13	33.33%	55.06	33.33%
PHALANX INDET					
TOTALS	21		5002.042	2.58	
Boy 2	NISP	MAU	%MAU(M) FUJ	%FUJ(M) DENSITY	%DIN(M)
SKULL					
HORN CORE					
HYOID					
MAXILLA					
MANDIBLE					
ATLAS					
AXIS					
PELVIS					
SCAPULA					
HUMERUS					
proximal					
distal					
RADIUS/ULNA	1	0.50	25.00%	590.50	21.50%
proximal					
distal	1	0.50	25.00%	519.50	18.62%
CARPALS					
METACARPAL	2	1.00	50.00%	412.50	16.02%
proximal	1	0.50	25.00%	230.50	8.30%
distal					
FEMUR					
proximal					
distal					
PATELLA					
TIBIA	2	1.00	50.00%	2746.00	100.00%
proximal	1	0.50	25.00%	1812.50	58.72%
distal	1	0.50	25.00%	1103.50	41.28%
METATARSAL	2	1.00	50.00%	887.50	32.05%
proximal	4	2.00	100.00%	2005.00	73.05%
distal					
TARSAL	2	0.25	12.50%		0.10
ASTRAGALUS					
CALCANEUM					
METAPODIAL	1	0.25	12.50%	163.75	5.95%
SESAMOID	3				
PHALANX 1	0	0.75	37.50%	332.25	12.10%
PHALANX 2	2	0.25	12.50%	110.75	4.02%
PHALANX 3					
PHALANX INDET					
TOTALS	37		11172.04	4.32	
Boy 3	NISP	MAU	%MAU(M) FUJ	%FUJ(M) DENSITY	%DIN(M)
SKULL					
HORN CORE					
HYOID					
MAXILLA	4	0.25	57.14%		
MANDIBLE	2	0.08	18.67%	193.53	5.18%
ATLAS					
AXIS					
PELVIS	2	0.25	50.00%	887.75	22.67%
SCAPULA					
HUMERUS	1	0.50	100.00%	1046.50	40.70%
proximal					
distal					
RADIUS/ULNA					
proximal					
distal					
CARPALS					
METACARPAL					
proximal					
distal					
FEMUR	1	0.50	100.00%	2595.50	100.00%
proximal					
distal					
PATELLA					
TIBIA					
proximal					
distal					
METATARSAL					
proximal					
distal					
TARSAL					
ASTRAGALUS					
CALCANEUM					
METAPODIAL	1	0.25	50.00%	163.75	5.37%
SESAMOID					
PHALANX 1	1	0.13	25.00%	55.38	2.16%
PHALANX 2					
PHALANX 3					
PHALANX INDET					
TOTALS	14		4823.4	0.53	
Boy 4	NISP	MAU	%MAU(M) FUJ	%FUJ(M) DENSITY	%DIN(M)
SKULL					
HORN CORE					
HYOID					
MAXILLA					
MANDIBLE	0	0.13	100.00%	200.00	100.00%
ATLAS					
AXIS					
PELVIS					
SCAPULA					
HUMERUS					
proximal					
distal					
RADIUS/ULNA					
proximal					
distal					
CARPALS					
METACARPAL					
proximal					
distal					
FEMUR					
proximal					
distal					
PATELLA					
TIBIA					
proximal					
distal					
METATARSAL					
proximal					
distal					
TARSAL					
ASTRAGALUS					
CALCANEUM					
METAPODIAL					
SESAMOID					
PHALANX 1	1	0.13	100.00%	55.38	27.69%
PHALANX 2					
PHALANX 3					
PHALANX INDET					
TOTALS	5		253.36	0.12	

TABLE 42: (cont.)
H level

Boy 1	NISP	MAU	%MAU(M) FUI	%FUI(M) DENSITY	%DEN(M)
SKULL					
HORN CORE					
HYOID					
MAXILLA					
MANDIBLE					
ATLAS					
AXIS					
PELVIS					
SCAPULA					
HUMERUS					
proximal					
distal	4	2.00	100.00%	3782.00	100.00%
RADIUS/ULNA	2	1.00	50.00%	1181.00	51.20%
proximal					
distal					
CARPALS	1	0.08	8.33%	84.42	3.82%
METACARPAL					
proximal					
distal					
FEMUR					
proximal					
distal					
PATELLA					
TIBIA					
proximal					
distal	1	0.50	50.00%	1133.50	79.62%
METATARSAL					
proximal					
distal					
TARSAL	1	0.10	12.50%	5.05	10.37%
ASTRAGALUS	2	1.00	100.00%	1424.00	100.00%
CALCANEUM	1	0.50	50.00%	718.00	50.00%
METAPODIAL	2	0.50	100.00%	327.50	100.00%
SESAMOID					
PHALANX 1	3	0.08	100.00%	105.13	100.00%
PHALANX 2	3	0.30	100.00%	183.13	100.00%
PHALANX 3	1	0.13	33.33%	65.36	33.33%
PHALANX INDET					
TOTALS	21		5002.04%	2.60	

Boy 2	NISP	MAU	%MAU(M) FUI	%FUI(M) DENSITY	%DEN(M)
SKULL	1			15.79	0.81%
HORN CORE					
HYOID					
MAXILLA	1	0.07	3.87%		
MANDIBLE	0	0.25	12.50%	400.00	14.57%
ATLAS					
AXIS					
PELVIS					
SCAPULA					
HUMERUS					
proximal					
distal					
RADIUS/ULNA	1	0.50	25.00%	590.50	21.50%
proximal					
distal	1	0.50	25.00%	519.50	18.62%
CARPALS					
METACARPAL	2	1.00	50.00%	412.50	15.02%
proximal	1	0.50	25.00%	230.50	8.35%
distal					
FEMUR					
proximal					
distal					
PATELLA					
TIBIA	2	1.00	50.00%	2746.00	100.00%
proximal	1	0.50	25.00%	181.50	58.72%
distal	1	0.50	25.00%	1193.50	41.28%
METATARSAL	2	1.00	50.00%	687.50	32.03%
proximal	2	2.00	100.00%	2005.00	73.03%
distal					
TARSAL					
ASTRAGALUS	2	0.25	12.50%		0.10
CALCANEUM					
METAPODIAL	1	0.25	12.50%	183.75	8.90%
SESAMOID	3				0.07
PHALANX 1	6	0.75	37.50%	332.25	12.10%
PHALANX 2	2	0.25	12.50%	110.75	4.03%
PHALANX 3					0.03
PHALANX INDET					
TOTALS	37		11172.04	4.32	

Boy 3	NISP	MAU	%MAU(M) FUI	%FUI(M) DENSITY	%DEN(M)
SKULL	2			87.14	2.61%
HORN CORE					
HYOID					
MAXILLA	4	0.29	87.14%		
MANDIBLE	2	0.00	18.87%	133.33	5.18%
ATLAS					0.06
AXIS					29.62%
PELVIS	2	0.25	50.00%	681.75	32.87%
SCAPULA					0.07
HUMERUS	1	0.50	100.00%	1048.50	40.73%
proximal					0.16
distal					100.00%
RADIUS/ULNA					
proximal					
distal					
CARPALS					
METACARPAL					
proximal					
distal					
FEMUR	1	0.50	100.00%	2598.50	100.00%
proximal					0.18
distal					100.00%
PATELLA					
TIBIA					
proximal					
distal					
METATARSAL					
proximal					
distal					
TARSAL					
ASTRAGALUS					
CALCANEUM					
METAPODIAL	1	0.25	50.00%	183.75	8.37%
SESAMOID					0.07
PHALANX 1					40.03%
PHALANX 2	1	0.13	25.00%	55.55	2.10%
PHALANX 3					0.03
PHALANX INDET					19.53%
TOTALS	14		4823.4		0.85

Boy 4	NISP	MAU	%MAU(M) FUI	%FUI(M) DENSITY	%DEN(M)
SKULL	1				
HORN CORE					
HYOID					
MAXILLA					
MANDIBLE	0	0.10	100.00%	200.00	100.00%
ATLAS					0.07
AXIS					100.00%
PELVIS					
SCAPULA					
HUMERUS					
proximal					
distal					
RADIUS/ULNA					
proximal					
distal					
CARPALS					
METACARPAL					
proximal					
distal					
FEMUR					
proximal					
distal					
PATELLA					
TIBIA					
proximal					
distal					
METATARSAL					
proximal					
distal					
TARSAL					
ASTRAGALUS					
CALCANEUM					
METAPODIAL	1	0.18	100.00%	55.38	27.69%
SESAMOID					0.05
PHALANX 1					73.80%
PHALANX 2					
PHALANX 3					
PHALANX INDET					
TOTALS	5		255.98		0.12

TABLE 42: (cont.)
CM level

Boy 1	NIBP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENS(M)
SKULL				117.60	5.50%		
HORNCORE							
HYOID	1	0.50	33.33%				
MAXILLA							
MANDIBLE	3	0.13	8.33%	0.00	0.36%	0.07	10.11%
ATLAS							
AXIS							
PELVIS							
SCAPULA							
HUMERUS							
proximal							
distal							
RADIUS/ULNA	2	1.00	66.67%	1322.00	91.94%	0.38	51.00%
proximal							
distal							
CARPALS	1	0.08	0.56%	54.42	2.56%		
METACARPAL							
proximal							
distal							
FEMUR							
proximal							
distal							
PATELLA							
TIBIA							
proximal	1	0.50	33.33%	1612.50	76.49%	0.15	21.28%
distal							
METATARSAL	1	0.50	33.33%	448.75	21.01%	0.26	36.17%
proximal	2	1.00	66.67%	1003.00	48.98%	0.55	78.01%
distal							
TARSAL							
ASTRAGALUS	3	1.50	100.00%	2136.00	100.00%	0.71	100.00%
CALCANEUM							
METAPODIAL							
SESAMOID	5	1.25	83.33%	816.75	38.33%	0.33	46.10%
PHALANX 1	5	0.63	41.67%	276.68	12.90%	0.26	37.23%
PHALANX 2	3	0.38	25.00%	106.13	7.78%	0.08	13.90%
PHALANX 3	3	0.38	25.00%	188.13	7.78%	0.08	13.90%
PHALANX INDET	1						
TOTALS	31			8323.01		2.87	
Boy 2	NIBP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENS(M)
SKULL	1			18.78	0.22%		
HORNCORE							
HYOID							
MAXILLA	1	0.07	3.57%				
MANDIBLE	10	0.42	20.03%	606.67	8.05%	0.24	28.86%
ATLAS							
AXIS							
PELVIS							
SCAPULA							
HUMERUS							
proximal	1	0.50	20.00%	1046.50	13.58%	0.18	20.00%
distal	1	0.50	20.00%	1147.50	14.88%	0.12	16.00%
RADIUS/ULNA	1	0.50	20.00%	943.50	12.27%	0.20	24.38%
proximal	1	0.50	20.00%	590.60	7.60%	0.20	23.00%
distal	1	0.50	20.00%	681.60	8.58%	0.18	22.50%
CARPALS	1	0.50	20.00%	518.00	6.74%	0.22	27.50%
METACARPAL	3	0.25	12.50%	163.25	2.12%		
proximal							
distal							
FEMUR	1	0.50	20.00%	2598.50	33.33%	0.16	20.00%
proximal	3	1.50	75.00%	7700.50	100.00%	0.34	67.50%
distal							
PATELLA							
TIBIA	4	2.00	100.00%	5182.00	71.22%	0.00	100.00%
proximal	1	0.50	25.00%	1612.50	20.92%	0.15	19.76%
distal							
METATARSAL	1	0.50	25.00%	448.75	6.82%	0.26	31.66%
proximal	1	0.50	25.00%	501.50	6.61%	0.28	34.36%
distal							
TARSAL	1	0.13	6.25%			0.05	6.05%
ASTRAGALUS	1	0.50	25.00%	712.00	9.24%	0.24	28.58%
CALCANEUM	1	0.50	25.00%	712.00	9.24%	0.32	40.00%
METAPODIAL							
SESAMOID	5	1.25	62.50%	811.75	10.82%	0.33	40.63%
PHALANX 1	3	0.38	19.00%	188.13	2.10%	0.16	19.66%
PHALANX 2	1	0.13	6.25%	55.38	0.72%	0.03	3.90%
PHALANX 3	1	0.13	6.25%	55.38	0.72%	0.03	3.90%
PHALANX INDET							
TOTALS	51			26610.1		4.64	
Boy 3	NIBP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENS(M)
SKULL	5			100.71	1.80%		
HORNCORE							
HYOID							
MAXILLA	8	0.43	28.67%				
MANDIBLE	10	0.42	27.78%	956.67	12.97%	0.24	31.08%
ATLAS							
AXIS							
PELVIS							
SCAPULA							
HUMERUS							
proximal							
distal							
RADIUS/ULNA	3	1.50	100.00%	1771.50	34.47%	0.60	78.43%
proximal							
distal							
CARPALS							
METACARPAL							
proximal							
distal							
FEMUR	2	1.00	66.67%	5138.00	100.00%	0.32	41.83%
proximal							
distal							
PATELLA							
TIBIA	3	1.50	100.00%	4118.00	80.15%	0.60	78.43%
proximal	1	0.50	33.33%	1133.50	22.06%	0.25	32.58%
distal	3	1.50	100.00%	1348.25	26.80%	0.77	100.00%
METATARSAL	2	1.00	66.67%	1003.00	19.52%	0.59	71.90%
proximal							
distal							
TARSAL							
ASTRAGALUS							
CALCANEUM							
METAPODIAL							
SESAMOID	1						
PHALANX 1	2	0.25	16.67%	110.71	2.16%	0.11	13.73%
PHALANX 2							
PHALANX 3							
PHALANX INDET							
TOTALS	36			15380		3.43	
Boy 4	NIBP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENS(M)
SKULL	8			33.57	8.90%		
HORNCORE							
HYOID							
MAXILLA	2	0.14	67.14%				
MANDIBLE	9	0.23	100.00%	400.00	100.00%	0.14	100.00%
ATLAS							
AXIS							
PELVIS							
SCAPULA							
HUMERUS							
proximal							
distal							
RADIUS/ULNA							
proximal							
distal							
CARPALS							
METACARPAL							
proximal							
distal							
FEMUR							
proximal							
distal							
PATELLA							
TIBIA							
proximal							
distal							
METATARSAL							
proximal							
distal							
TARSAL							
ASTRAGALUS							
CALCANEUM							
METAPODIAL							
SESAMOID	1	0.25	100.00%	163.75	40.94%	0.07	19.87%
PHALANX 1	2	0.25	100.00%	110.78	27.69%	0.11	73.68%
PHALANX 2	1	0.13	50.00%	55.38	13.64%	0.03	21.63%
PHALANX 3							
PHALANX INDET							
TOTALS	19			783.45		0.34	

TABLE 42: (cont.)
Ph level

Boy 1	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENS(M)
SKULL				302.14	15.88%		
HORN CORE							
HYOID	2	1.00	98.08%				
MAXILLA	4	0.29	26.40%				
MANDIBLE	5	0.21	18.82%	332.33	17.83%	0.12	25.13%
ATLAS							
AXIS							
PELVIS							
SCAPULA							
HUMERUS	1	0.50	44.44%	1048.50	55.34%	0.16	33.88%
proximal							
distal	2	1.00	86.89%	1861.00	100.00%	0.36	82.54%
RADIUS/ULNA	1	0.50	44.44%	580.50	31.23%	0.20	42.33%
proximal							
distal							
CARPALS	2	0.17	14.81%	108.63	5.78%		
METACARPAL							
proximal							
distal							
FEMUR							
proximal							
distal	1	0.50	44.44%	1373.00	72.91%	0.20	42.33%
PATELLA	1	0.50	44.44%				
TIBIA	1	0.50	44.44%	1373.00	72.91%	0.20	42.33%
proximal							
distal							
METATARSAL	1	0.50	44.44%	448.75	23.73%	0.28	53.87%
proximal							
distal	1	0.50	44.44%	386.00	20.84%	0.23	46.88%
TARSAL	2	0.25	22.22%	0.10	20.83%	0.10	20.83%
ASTRAGALUS	1	0.50	44.44%	712.00	37.85%	0.24	49.74%
CALCANEUM	1	0.50	44.44%	712.00	37.85%	0.32	67.72%
METAPODIAL	4	1.00	88.89%	555.00	24.84%	0.20	55.03%
SESAMOID	2						
PHALANX 1	6	1.18	100.00%	498.38	26.38%	0.47	100.00%
PHALANX 2	1	0.13	11.11%	55.38	2.83%	0.03	6.81%
PHALANX 3	2	0.25	22.22%	110.75	6.56%	0.08	13.25%
PHALANX INDET							
TOTALS	43			8233.58		3.03	

Boy 2	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENS(M)
SKULL	4			453.21	4.51%		
HORN CORE	1	0.50	5.60%	0.50	0.00%		
HYOID	2	1.00	11.70%				
MAXILLA	13	0.83	10.92%				
MANDIBLE	34	1.82	18.87%	2266.67	22.58%	0.81	23.75%
ATLAS							
AXIS							
PELVIS	4	0.50	5.08%	1175.80	11.71%	0.14	3.67%
SCAPULA							
HUMERUS	5	2.50	29.41%	5232.50	52.12%	0.80	23.53%
proximal	1	0.50	5.88%	1147.50	11.43%	0.12	3.53%
distal	5	2.50	29.41%	4727.50	47.08%	0.68	20.08%
RADIUS/ULNA	17	8.50	100.00%	10035.50	100.00%	0.40	100.00%
proximal	4	2.00	23.53%	2948.00	28.88%	0.72	21.18%
distal	1	0.50	5.88%	519.50	5.10%	0.22	6.47%
CARPALS	8	0.67	7.84%	435.33	4.34%		
METACARPAL	3	1.50	17.65%	618.75	6.18%	0.30	23.38%
proximal	3	1.50	17.65%	681.50	6.80%	0.64	24.71%
distal							
FEMUR							
proximal	1	0.50	5.88%	2569.50	25.50%	0.18	5.28%
distal	3	1.50	17.65%	7708.50	76.79%	0.42	12.35%
PATELLA	1	0.50	5.88%				
TIBIA	5	2.50	29.41%	6895.00	68.39%	1.00	29.41%
proximal							
distal	2	1.00	11.76%	2567.00	22.68%	0.50	14.71%
METATARSAL	5	2.50	29.41%	3243.75	22.33%	1.28	37.80%
proximal	10	5.00	58.82%	5019.00	49.66%	2.78	80.88%
distal							
TARSAL	7	0.88	10.25%			0.34	10.04%
ASTRAGALUS	3	1.50	17.65%	2138.00	21.88%	0.71	20.74%
CALCANEUM	3	1.50	17.65%	2138.00	21.88%	0.66	20.24%
METAPODIAL	5	1.25	14.71%	518.75	5.18%	0.33	9.58%
SESAMOID	10						
PHALANX 1	11	1.38	16.18%	809.13	8.07%	0.58	16.88%
PHALANX 2	7	0.88	10.25%	367.63	3.86%	0.22	6.43%
PHALANX 3							
PHALANX INDET							
TOTALS	178			82708.2		18.07	

Boy 3	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENS(M)
SKULL				218.21	3.87%		
HORN CORE							
HYOID	1	0.50	28.00%				
MAXILLA	8	0.43	21.43%				
MANDIBLE	8	0.33	16.87%	532.33	9.71%	0.19	23.75%
ATLAS							
AXIS	1	1.00	80.00%	524.00	8.54%	0.16	20.00%
PELVIS	1	0.13	8.25%	263.08	5.36%	0.03	4.22%
SCAPULA							
HUMERUS	1	0.25	12.50%	573.75	10.45%	0.09	11.25%
proximal							
distal							
RADIUS/ULNA	1	0.50	25.00%	580.50	10.75%	0.20	25.00%
proximal							
distal							
CARPALS	3	0.25	12.50%	163.25	2.97%		
METACARPAL							
proximal							
distal							
FEMUR	2	1.00	30.00%	1138.00	23.87%	0.32	40.00%
proximal							
distal							
PATELLA							
TIBIA	4	2.00	100.00%	5482.00	100.00%	0.80	100.00%
proximal							
distal	1	0.50	25.00%	1133.50	20.64%	0.25	31.25%
METATARSAL	1	0.50	25.00%	448.75	8.17%	0.28	31.88%
proximal	2	1.00	50.00%	1003.00	18.26%	0.55	68.75%
distal							
TARSAL	1	0.13	8.25%			0.05	5.08%
ASTRAGALUS							
CALCANEUM	2	1.00	50.00%	1424.00	25.93%	0.64	80.00%
METAPODIAL	3	0.75	37.50%	481.25	8.94%	0.20	24.38%
SESAMOID	7						
PHALANX 1	3	0.38	18.75%	188.10	3.02%	0.16	18.89%
PHALANX 2	2	0.25	12.50%	110.75	2.02%	0.06	7.51%
PHALANX 3	1	0.13	6.25%	55.58	1.01%	0.03	3.91%
PHALANX INDET							
TOTALS	54			18381		3.86	

Boy 4	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DENS(M)
SKULL	5			33.57	1.31%		
HORN CORE							
HYOID							
MAXILLA	2	0.14	28.57%				
MANDIBLE	5	0.21	41.67%	123.33	12.37%	0.12	44.31%
ATLAS							
AXIS							
PELVIS							
SCAPULA							
HUMERUS	1	0.50	100.00%	1048.50	40.79%	0.16	60.38%
proximal							
distal							
RADIUS/ULNA							
proximal	1	0.50	100.00%	519.50	20.22%	0.22	83.02%
distal							
CARPALS							
METACARPAL	1	0.50	100.00%	200.50	8.03%	0.27	100.00%
proximal							
distal							
FEMUR							
proximal							
distal	1	0.50	100.00%	2569.50	100.00%	0.14	82.83%
PATELLA							
TIBIA							
proximal							
distal							
METATARSAL							
proximal							
distal							
TARSAL							
ASTRAGALUS							
CALCANEUM							
METAPODIAL							
SESAMOID	1	0.25	50.00%	163.75	6.37%	0.07	24.53%
PHALANX 1	1	0.13	25.00%	55.38	8.16%	0.05	18.81%
PHALANX 2							
PHALANX 3							
PHALANX INDET							
TOTALS	18			4827.5		1.02	

TABLE 42: (cont.)
Ja level

Boy 1								Boy 3							
	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DEN(M)		NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DEN(M)
SKULL	1							SKULL	4			205.38	3.20%		
HORN CORE	2	1.00	100.00%	1.00	0.02%			HORN CORE	2	1.00	43.00%	1.00	0.02%		
HYOID								HYOID	1	0.50	20.00%				
MAXILLA								MAXILLA	10	0.71	28.87%				
MANDIBLE	2	0.06	8.33%	133.33	2.99%	0.05	11.88%	MANDIBLE	18	0.87	29.87%	1088.87	18.42%	0.38	29.80%
ATLAS								ATLAS							
AXIS								AXIS							
PELVIS	1	0.13	12.50%	292.88	5.72%	0.03	8.44%	PELVIS							
SCAPULA								SCAPULA							
HUMERUS								HUMERUS	1	0.50	20.00%	1046.50	18.08%	0.15	12.85%
proximal								proximal							
distal	1	0.50	50.00%	845.50	18.40%	0.20	48.75%	distal	2	1.00	40.00%	1891.00	34.49%	0.30	30.59%
RADIUS/ULNA	2	1.00	100.00%	1181.00	22.88%	0.40	100.00%	RADIUS/ULNA	1	0.50	20.00%	590.50	10.78%	0.20	15.89%
proximal								proximal							
distal								distal							
CARPALS	2	0.17	16.67%	108.03	2.12%			CARPALS	1	0.08	3.33%	54.42	0.99%		
METACARPAL								METACARPAL							
proximal								proximal							
distal								distal							
FEMUR	2	1.00	100.00%	5139.00	100.00%	0.32	80.00%	FEMUR	4	1.00	40.00%	5139.00	93.57%	0.32	26.10%
proximal								proximal							
distal	1	0.50	50.00%	2589.50	50.00%	0.14	35.00%	distal							
PATELLA	1	0.50	50.00%					PATELLA							
TIBIA								TIBIA	4	2.00	80.00%	5498.00	100.00%	0.80	82.78%
proximal								proximal							
distal	1	0.50	50.00%	1812.50	31.38%	0.15	37.50%	distal	1	0.50	20.00%	1812.50	28.08%	0.15	11.78%
METATARSAL								METATARSAL	8	2.50	100.00%	2343.75	40.85%	1.20	100.00%
proximal								proximal							
distal	1	0.50	50.00%	388.00	7.71%	0.23	57.50%	distal	1	0.50	20.00%	591.50	9.13%	0.28	21.57%
TARSAL	1	0.13	12.50%			0.03	12.18%	TARSAL							
ASTRAGALUS								ASTRAGALUS							
CALCANEUM								CALCANEUM	1	0.50	20.00%	712.00	12.86%	0.32	26.10%
METAPODIAL								METAPODIAL							
SEBAMOID	2							SEBAMOID	3	0.75	30.00%	481.25	8.91%	0.20	15.28%
PHALANX 1	2	0.25	25.00%	110.75	2.18%	0.11	28.28%	PHALANX 1	5						
PHALANX 2	1	0.13	12.50%	85.30	1.68%	0.03	7.81%	PHALANX 2	2	0.25	10.00%	110.75	2.02%	0.11	8.24%
PHALANX 3								PHALANX 3	2	0.25	10.00%	110.75	2.02%	0.08	4.80%
PHALANX INDET								PHALANX INDET							
TOTALS	23			12548.7		1.70		TOTALS	84			21349		4.83	

Boy 2								Boy 4							
	NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DEN(M)		NISP	MAU	%MAU(M)	FUI	%FUI(M)	DENSITY	%DEN(M)
SKULL	2			419.84	5.44%			SKULL	1			33.37	1.31%		
HORN CORE								HORN CORE							
HYOID	1	0.50	20.00%					HYOID							
MAXILLA	18	1.28	51.43%					MAXILLA	8	0.14	14.29%				
MANDIBLE	25	1.04	41.87%	1888.87	21.82%	0.59	37.11%	MANDIBLE	8	0.28	28.00%	400.00	15.57%	0.14	30.83%
ATLAS								ATLAS							
AXIS								AXIS							
PELVIS	3	0.08	15.00%	881.83	11.44%	0.10	8.33%	PELVIS							
SCAPULA	1	0.25	10.00%	573.75	7.44%	0.09	8.83%	SCAPULA							
HUMERUS								HUMERUS							
proximal								proximal							
distal	2	1.00	40.00%	2285.00	28.77%	0.24	15.00%	distal							
RADIUS/ULNA	1	0.50	20.00%	800.50	7.98%	0.20	12.50%	RADIUS/ULNA	2	1.00	100.00%	1181.00	45.88%	0.40	100.00%
proximal								proximal							
distal								distal							
CARPALS	8	0.75	30.00%	489.75	8.95%			CARPALS							
METACARPAL	1	0.50	20.00%	208.25	2.68%	0.27	16.69%	METACARPAL							
proximal								proximal							
distal								distal							
FEMUR	3	1.50	90.00%	7708.86	100.00%	0.48	30.00%	FEMUR	1	0.50	50.00%	2889.50	100.00%	0.15	40.00%
proximal								proximal							
distal	1	0.50	20.00%	2589.50	33.33%	0.14	8.75%	distal							
PATELLA	1	0.50	20.00%					PATELLA							
TIBIA	5	2.50	100.00%	5865.00	60.00%	1.00	82.50%	TIBIA	1	0.50	50.00%	1373.00	53.43%	0.20	50.00%
proximal								proximal							
distal	1	0.50	20.00%	1133.50	14.70%	0.25	15.83%	distal							
METATARSAL	4	2.00	80.00%	1795.00	23.28%	1.02	83.75%	METATARSAL							
proximal								proximal							
distal	2	1.00	40.00%	1003.00	13.01%	0.56	34.38%	distal							
TARSAL	3	0.36	15.00%			0.18	9.14%	TARSAL							
ASTRAGALUS	2	1.00	40.00%	1424.00	18.47%	0.47	28.33%	ASTRAGALUS							
CALCANEUM	5	2.50	100.00%	3880.00	48.18%	1.80	100.00%	CALCANEUM							
METAPODIAL								METAPODIAL							
SEBAMOID	2	0.50	20.00%	327.50	4.26%	0.13	8.18%	SEBAMOID	2						
PHALANX 1	8							PHALANX 1	1	0.13	12.50%	55.30	2.18%	0.03	13.13%
PHALANX 2	8	0.75	30.00%	397.83	1.03%	0.37	22.97%	PHALANX 2							
PHALANX 3	1	0.13	5.00%	55.30	0.72%	0.19	11.72%	PHALANX 3							
PHALANX INDET						0.03	1.05%	PHALANX INDET							
TOTALS	118			34045.0		8.04		TOTALS	18			6612.4		0.86	

TABLE 46: (cont.)
A level, standardised

Combined		Non-formal		Formal				
chunk	1	-0.0719	chunk	1	-0.1134	L end	1	-0.1253
chip	1	-0.0719	chip	1	-0.1134	side	1	-0.1253
Core irregular	1	-0.0719	Core irregular	1	-0.1134	end & 2 sides	1	-0.1253
bladelet 1 plat	1	-0.0719	bladelet 1 plat	1	-0.1134	M end	1	-0.1253
bladelet 2 plat	1	-0.0719	bladelet 2 plat	1	-0.1134	side	1	-0.1253
flat bladelet	1	-0.0719	flat bladelet	1	-0.1134	end & side	1	-0.1253
core reduc 1 plat	1	-0.0719	core reduc 1 plat	1	-0.1134	end & 2 sides	1	-0.1253
core reduc 2 plat	1	-0.0719	core reduc 2 plat	1	-0.1134	end & adzling	1	-0.1253
L bl, parallel sided	1	-0.0719	L bl, parallel sided	1	-0.1134	steep	1	-0.1253
thick triangular	1	-0.0719	thick triangular	1	-0.1134	S end	1	-0.1253
irregular	1	-0.0719	irregular	1	-0.1134	side	1	-0.1253
S bl, parallel sided	1	-0.0719	S bl, parallel sided	1	-0.1134	end & side	1	-0.1253
pointed	1	-0.0719	pointed	1	-0.1134	end & 2 sides	1	-0.1253
thick triangular	1	-0.0719	thick triangular	1	-0.1134	end & adzling	1	-0.1253
irregular	1	-0.0719	irregular	1	-0.1134	steep	1	-0.1253
distal	1	-0.0719	distal	1	-0.1134	S bl, backed	1	-0.1253
medial	1	-0.0719	medial	1	-0.1134	segment	1	-0.1253
proximal	1	-0.0719	proximal	1	-0.1134	miscellaneous	1	-0.1253
core ref. flake	1	-0.0719	core ref. flake	1	-0.1134	broken backed	1	-0.1253
endstruck 30+mm	1	-0.0719	endstruck 30+mm	1	-0.1134	adze	1	-0.1253
endstruck <30mm	1	-0.0719	endstruck <30mm	1	-0.1134	spokeshave	1	-0.1253
sidestruck 30+mm	1	-0.0719	sidestruck 30+mm	1	-0.1134	awl	1	-0.1253
sidestruck <30mm	1	-0.0719	sidestruck <30mm	1	-0.1134	miscellaneous	1	-0.1253
endstruck 30+mm	1	-0.0719	endstruck 30+mm	1	-0.1134	MSA tool	1	-0.1253
endstruck <30mm	1	-0.0719	endstruck <30mm	1	-0.1134	MSA tool recycled	1	-0.1253
sidestruck 30+mm	1	-0.0719	sidestruck 30+mm	1	-0.1134	broken tool	1	-0.1253
sidestruck <30mm	1	-0.0719	sidestruck <30mm	1	-0.1134			
distal	1	-0.0719	distal	1	-0.1134	Subtotal	26	
medial	1	-0.0719	medial	1	-0.1134	Categories	26	
proximal	1	-0.0719	proximal	1	-0.1134	Diversity		-3.2581
L end	1	-0.0719		30		Richness		7.6732
side	1	-0.0719		30		Evenness		-1.0000
end & 2 sides	1	-0.0719	Subtotal					
M end	1	-0.0719	Categories					
side	1	-0.0719	Diversity		-3.4012			
end & side	1	-0.0719	Richness		8.5264			
end & 2 sides	1	-0.0719	Evenness		-1.0000			
end & adzling	1	-0.0719						
steep	1	-0.0719						
S end	1	-0.0719						
side	1	-0.0719						
end & side	1	-0.0719						
end & 2 sides	1	-0.0719						
end & adzling	1	-0.0719						
steep	1	-0.0719						
S bl, backed	1	-0.0719						
segment	1	-0.0719						
miscellaneous	1	-0.0719						
broken backed	1	-0.0719						
adze	1	-0.0719						
spokeshave	1	-0.0719						
awl	1	-0.0719						
miscellaneous	1	-0.0719						
MSA tool	1	-0.0719						
MSA tool recycled	1	-0.0719						
broken tool	1	-0.0719						
TOTAL	56							
Categories	56							
Diversity		-4.0254						
Richness		13.6634						
Evenness		-1.0000						

TABLE 46: (cont.)
Mn level, standardised

Combined			Non Formal			Formal		
chunk	1	-0.0691	chunk	1	-0.1134	L end	1	-0.1161
chip	1	-0.0691	chip	1	-0.1134	side	1	-0.1161
Core irregular	1	-0.0691	Core irregular	1	-0.1134	high	1	-0.1161
bladelet 1 plat	1	-0.0691	bladelet 1 plat	1	-0.1134	med backed	1	-0.1161
bladelet 2 plat	1	-0.0691	bladelet 2 plat	1	-0.1134	M end	1	-0.1161
flat bladelet	1	-0.0691	flat bladelet	1	-0.1134	side	1	-0.1161
core reduc 1 plat	1	-0.0691	core reduc 1 plat	1	-0.1134	end & side	1	-0.1161
core reduc 2 plat	1	-0.0691	core reduc 2 plat	1	-0.1134	end & 2 sides	1	-0.1161
L bl, parallel sided	1	-0.0691	L bl, parallel sided	1	-0.1134	end & adzing	1	-0.1161
thick triangular	1	-0.0691	thick triangular	1	-0.1134	S end	1	-0.1161
irregular	1	-0.0691	irregular	1	-0.1134	side	1	-0.1161
S bl, parallel sided	1	-0.0691	S bl, parallel sided	1	-0.1134	end & side	1	-0.1161
pointed	1	-0.0691	pointed	1	-0.1134	end & 2 sides	1	-0.1161
thick triangular	1	-0.0691	thick triangular	1	-0.1134	end & adzing	1	-0.1161
irregular	1	-0.0691	irregular	1	-0.1134	steep	1	-0.1161
distal	1	-0.0691	distal	1	-0.1134	knife, nat bok	1	-0.1161
medial	1	-0.0691	medial	1	-0.1134	S bl, backed	1	-0.1161
proximal	1	-0.0691	proximal	1	-0.1134	segment	1	-0.1161
core rej. flake	1	-0.0691	core rej. flake	1	-0.1134	obliquely bck	1	-0.1161
endstruck 30 +mm	1	-0.0691	endstruck 30 +mm	1	-0.1134	miscellaneous	1	-0.1161
endstruck <30mm	1	-0.0691	endstruck <30mm	1	-0.1134	broken backed	1	-0.1161
sidestruck 30 +mm	1	-0.0691	sidestruck 30 +mm	1	-0.1134	ventrally ret bld	1	-0.1161
sidestruck <30mm	1	-0.0691	sidestruck <30mm	1	-0.1134	adze	1	-0.1161
endstruck 30 +mm	1	-0.0691	endstruck 30 +mm	1	-0.1134	spokeshave	1	-0.1161
endstruck <30mm	1	-0.0691	endstruck <30mm	1	-0.1134	awl	1	-0.1161
sidestruck 30 +mm	1	-0.0691	sidestruck 30 +mm	1	-0.1134	miscellaneous	1	-0.1161
sidestruck <30mm	1	-0.0691	sidestruck <30mm	1	-0.1134	MSA tool	1	-0.1161
distal	1	-0.0691	distal	1	-0.1134	MSA tool recycled	1	-0.1161
medial	1	-0.0691	medial	1	-0.1134	broken tool	1	-0.1161
proximal	1	-0.0691	proximal	1	-0.1134			
L end	1	-0.0691	Subtotal	30		Subtotal	29	
side	1	-0.0691	Categories	30		Categories	29	
end & side	1	-0.0691	Diversity		-3.4012	Diversity		-3.3679
end & 2 sides	1	-0.0691	Richness		8.5264	Richness		8.3153
M end	1	-0.0691	Evenness		-1.0000	Evenness		-1.0000
side	1	-0.0691						
end & side	1	-0.0691						
end & 2 sides	1	-0.0691						
end & adzing	1	-0.0691						
S end	1	-0.0691						
side	1	-0.0691						
end & side	1	-0.0691						
end & 2 sides	1	-0.0691						
end & adzing	1	-0.0691						
steep	1	-0.0691						
knife, nat bok	1	-0.0691						
S bl, backed	1	-0.0691						
segment	1	-0.0691						
obliquely bck	1	-0.0691						
miscellaneous	1	-0.0691						
broken backed	1	-0.0691						
ventrally ret bld	1	-0.0691						
adze	1	-0.0691						
spokeshave	1	-0.0691						
awl	1	-0.0691						
miscellaneous	1	-0.0691						
MSA tool	1	-0.0691						
MSA tool recycled	1	-0.0691						
broken tool	1	-0.0691						
TOTAL	59							
Categories	58							
Diversity		-4.0775						
Richness		14.2243						
Evenness		-1.0000						

TABLE 46: Stone material, diversity, richness and evenness indices
Mn level

Combined				Non- formal				Formal			
	chunk	1078	-0.2880		chunk	1078	-0.3057		L end	14	-0.1244
	chip	3182	-0.3488		chip	3182	-0.3404		side	2	-0.0283
	Core irregular	94	-0.0813		Core irregular	94	-0.0841		high	1	-0.0161
	bladelet 1 plat	17	-0.0156		bladelet 1 plat	17	-0.0163		med backed	1	-0.0161
	bladelet 2 plat	3	-0.0035		bladelet 2 plat	3	-0.0037		M end	20	-0.1583
	flat bladelet	8	-0.0055		flat bladelet	8	-0.0058		side	2	-0.0283
	core reduc 1 plat	9	-0.0091		core reduc 1 plat	9	-0.0096		end & side	2	-0.0283
	core reduc 2 plat	9	-0.0091		core reduc 2 plat	9	-0.0096		end & 2 sides	5	-0.0584
	L bl. parallel sided	1	-0.0014		L bl. parallel sided	1	-0.0014		end & adzing	5	-0.0584
	thick triangular	4	-0.0046		thick triangular	4	-0.0048		S and	119	-0.3951
	irregular	13	-0.0124		irregular	13	-0.0131		side	14	-0.1244
	S bl. parallel sided	12	-0.0116		S bl. parallel sided	12	-0.0122		end & side	8	-0.0832
	pointed	3	-0.0035		pointed	3	-0.0037		end & 2 sides	13	-0.1181
	thick triangular	13	-0.0124		thick triangular	13	-0.0131		end & adzing	2	-0.0283
	irregular	57	-0.0415		irregular	57	-0.0435		steep	3	-0.0392
	distal	17	-0.0156		distal	17	-0.0163		knife, nat bak	1	-0.0161
	medial	20	-0.0178		medial	20	-0.0187		S bl. backed	4	-0.0491
	proximal	37	-0.0284		proximal	37	-0.0308		segment	10	-0.0980
	core reg. flake	5	-0.0055		core reg. flake	5	-0.0058		obliquely bck	2	-0.0283
	endstruck 30+mm	12	-0.0116		endstruck 30+mm	12	-0.0122		miscellaneous	5	-0.0584
	endstruck <30mm	68	-0.0477		endstruck <30mm	68	-0.0498		broken backed	5	-0.0584
	sidestruck 30+mm	1	-0.0014		sidestruck 30+mm	1	-0.0014		ventrally ret bld	3	-0.0392
	sidestruck <30mm	28	-0.0235		sidestruck <30mm	28	-0.0246		adze	24	-0.1780
	endstruck 30+mm	54	-0.0398		endstruck 30+mm	54	-0.0417		spokeshave	2	-0.0283
	endstruck <30mm	885	-0.2372		endstruck <30mm	885	-0.2449		awl	4	-0.0491
	sidestruck 30+mm	30	-0.0248		sidestruck 30+mm	30	-0.0260		miscellaneous	21	-0.1634
	sidestruck <30mm	298	-0.1413		sidestruck <30mm	298	-0.1470		MSA tool	28	-0.1960
	distal	95	-0.0618		distal	95	-0.0646		MSA tool recycled	7	-0.0754
	medial	87	-0.0578		medial	87	-0.0604		broken tool	41	-0.2445
	proximal	193	-0.1044		proximal	193	-0.1088			369	
	L end	14	-0.0132	Subtotal	6130			Categories		29	
	side	2	-0.0025	Diversity	30			Diversity			-2.6573
	end & side	1	-0.0014	Richness			-1.7001	Richness			4.7393
	end & 2 sides	1	-0.0014	Evenness			3.3259	Evenness			-0.7594
	M end	20	-0.0178	Evenness			-0.4989	Diversity/standard			0.7594
	side	2	-0.0025	Diversity/standard			0.4989	Richness/standard			0.6899
	end & side	2	-0.0025	Richness/standard			0.3900	Evenness/standard			0.7594
	end & 2 sides	5	-0.0055	Evenness/standard			-0.4999				
	end & adzing	5	-0.0055								
	S and	119	-0.0733								
	side	14	-0.0132								
	end & side	8	-0.0082								
	end & 2 sides	13	-0.0124								
	end & adzing	2	-0.0025								
	steep	3	-0.0035								
	knife, nat bak	1	-0.0014								
	S bl. backed	4	-0.0046								
	segment	10	-0.0100								
	obliquely bck	2	-0.0025								
	miscellaneous	5	-0.0055								
	broken backed	5	-0.0055								
	ventrally ret bld	3	-0.0035								
	adze	24	-0.0207								
	spokeshave	2	-0.0025								
	awl	4	-0.0046								
	miscellaneous	21	-0.0165								
	MSA tool	28	-0.0235								
	MSA tool recycled	7	-0.0074								
	broken tool	41	-0.0320								
TOTAL		6498									
Categories		59									
Diversity			-1.8683								
Richness			6.5066								
Evenness			-0.4822								
Diversity/standard			0.4822								
Richness/standard			0.4845								
Evenness/standard			0.4822								

TABLE 45: (cont.)

DCM LEVEL				DCM LEVEL			
Ungulates				Ungulates			
	NISP		MNI				
<i>Equus capensis</i>	1	-0.1405	1	-0.2303	<i>Equus capensis</i>	1	-0.2441
<i>Phacochorus aethiopicus</i>	5	-0.3327	1	-0.2303	<i>Phacochorus aethiopicus</i>	1	-0.2441
<i>Connochaetes gnou</i>	2	-0.2100	1	-0.2303	<i>Connochaetes gnou</i>	1	-0.2441
<i>Damaeus dorcas</i>	1	-0.1405	1	-0.2303	<i>Damaeus dorcas</i>	1	-0.2441
<i>Antidorcas marsupialis</i>	4	-0.3100	2	-0.3219	<i>Antidorcas marsupialis</i>	1	-0.2441
<i>Antidorcas bondi</i>	2	-0.2100	1	-0.2303	<i>Antidorcas bondi</i>	1	-0.2441
<i>Tragelaphus streptaceros</i>	1	-0.1405	1	-0.2303	<i>Tragelaphus streptaceros</i>	1	-0.2441
<i>Taurotragus oryx</i>	4	-0.3100	1	-0.2303	<i>Taurotragus oryx</i>	1	-0.2441
<i>Redunca fulvorufula</i>	2	-0.2100	1	-0.2303	<i>Redunca fulvorufula</i>	1	-0.2441
TOTAL	22		10		TOTAL	9	
No of species	9				No of species	9	
Diversity		-2.0321	-2.1640		Diversity		-2.1972
Richness		2.5581	3.4744		Richness		3.6410
Evenness		-0.9249	-0.9849		Evenness		-1.0000
Diversity/standard		0.8249	0.9849				
Richness/standard		0.7102	0.9542				
Evenness/standard		0.9249	0.9849				

LB LEVEL				LB LEVEL			
Ungulates				Ungulates			
	NISP		MNI				
<i>Alcelaphus buselaphus</i>	1	-0.3662	1	-0.3662	<i>Alcelaphus buselaphus</i>	1	-0.3662
<i>Antidorcas marsupialis</i>	6	-0.2158	1	-0.3662	<i>Antidorcas marsupialis</i>	1	-0.3662
<i>Pala capreolus</i>	1	-0.3662	1	-0.3662	<i>Pala capreolus</i>	1	-0.3662
TOTAL	8		3		TOTAL	3	
No of species	3				No of species	3	
Diversity		-0.7366	-1.0986		Diversity		-1.0986
Richness		0.6618	1.8205		Richness		1.8205
Evenness		-0.6666	-1.0000		Evenness		-1.0000
Diversity/standard		0.6666	1.0000				
Richness/standard		0.6283	1.0000				
Evenness/standard		0.6666	1.0000				

DB LEVEL				DB LEVEL			
Ungulates				Ungulates			
	NISP		MNI				
<i>Equus burchelli/quagga</i>	5	-0.2833	1	-0.1973	<i>Equus burchelli/quagga</i>	1	-0.2100
<i>Equus capensis</i>	1	-0.0939	1	-0.1973	<i>Equus capensis</i>	1	-0.2100
<i>Procavia capensis</i>	1	-0.0939	1	-0.1973	<i>Procavia capensis</i>	1	-0.2100
<i>Phacochorus aethiopicus</i>	1	-0.0939	1	-0.1973	<i>Phacochorus aethiopicus</i>	1	-0.2100
<i>Connochaetes gnou</i>	8	-0.2800	2	-0.2880	<i>Connochaetes gnou</i>	1	-0.2100
<i>Alcelaphus buselaphus</i>	7	-0.3093	2	-0.2880	<i>Alcelaphus buselaphus</i>	1	-0.2100
<i>Megalotragus prisca</i>	6	-0.2933	1	-0.1973	<i>Megalotragus prisca</i>	1	-0.2100
<i>Damaeus dorcas</i>	5	-0.2533	1	-0.1973	<i>Damaeus dorcas</i>	1	-0.2100
<i>Antidorcas marsupialis</i>	5	-0.2533	1	-0.1973	<i>Antidorcas marsupialis</i>	1	-0.2100
<i>Antidorcas bondi</i>	1	-0.0939	1	-0.1973	<i>Antidorcas bondi</i>	1	-0.2100
<i>Taurotragus oryx</i>	2	-0.1523	1	-0.1973	<i>Taurotragus oryx</i>	1	-0.2100
TOTAL	39		13		TOTAL	11	
No of species	3				No of species	3	
Diversity		-2.1777	-2.3517		Diversity		-2.3979
Richness		2.7206	3.9987		Richness		4.1703
Evenness		-0.9002	-0.9007		Evenness		-1.0000
Diversity/standard		0.9002	0.9007				
Richness/standard		0.8846	0.9349				
Evenness/standard		0.9062	0.9007				

TABLE 45: (cont.)

CM LEVEL			GM LEVEL		
Ungulates			Ungulates		
<i>Equus burchelli/quagga</i>	3	-0.3648	1	-0.1973	
<i>Phacochorus aethiopicus</i>	13	0.1974	2	-0.2880	
<i>Connochaetes gnou</i>	8	-0.1642	1	-0.1973	
<i>Alcelaphus buselaphus</i>	8	-0.3584	2	-0.2880	
<i>Damaliscus dorcas</i>	6	-0.3306	1	-0.1973	
<i>Sylvicapra grimmia</i>	1	-0.2180	1	-0.1973	
<i>Antidorcas marsupialis</i>	6	-0.3306	2	-0.2880	
<i>Oreotragus oreotragus</i>	4	-0.3678	1	-0.1973	
<i>Raphicerus campestris</i>	7	-0.2876	1	-0.1973	
<i>Pelea capreolus</i>	3	-0.3543	1	-0.1973	
<i>Taurotragus oryx</i>	17	0.6728	1	-0.1973	
TOTAL	57		13		
No of species	11				
Diversity		-1.8858		-2.4423	
Richness		4.1703		3.6887	
Evenness		-0.7908		-1.0185	
Diversity/standard		0.7808		1.0108	
Richness/standard		1.0000		0.9348	
Evenness/standard		0.7908		1.0185	

H LEVEL			H LEVEL		
Ungulates			Ungulates		
<i>Equus burchelli/quagga</i>	1	-0.1134	1	-0.2071	
<i>Phacochorus aethiopicus</i>	7	-0.3398	1	-0.2071	
<i>Connochaetes gnou</i>	2	-0.1805	1	-0.2071	
<i>Alcelaphus buselaphus</i>	1	-0.1134	1	-0.2071	
<i>Damaliscus dorcas</i>	6	-0.3219	2	-0.2880	
<i>Sylvicapra grimmia</i>	1	-0.1134	1	-0.2071	
<i>Antidorcas marsupialis</i>	3	-0.2303	1	-0.2071	
<i>Oreotragus oreotragus</i>	3	-0.2303	1	-0.2071	
<i>Raphicerus campestris</i>	1	-0.1134	1	-0.2071	
<i>Pelea capreolus</i>	1	-0.1134	1	-0.2071	
<i>Taurotragus oryx</i>	4	-0.2687	1	-0.2071	
TOTAL	30		12		
No of species	11				
Diversity		-2.1380		-2.3694	
Richness		2.9401		4.0248	
Evenness		-0.8918		-0.9881	
Diversity/standard		0.8918		0.9881	
Richness/standard		0.7050		0.9650	
Evenness/standard		0.8918		0.9881	

TABLE 45: (cont.)

JA LEVEL				JA LEVEL			
Ungulates				Ungulates			
<i>Equus burchelli/quagga</i>	1	-0.0309	1	-0.1488	<i>Equus burchelli/quagga</i>	1	-0.2180
<i>Phacochoerus aethiopicus</i>	18	-0.2848	2	-0.2303	<i>Phacochoerus aethiopicus</i>	1	-0.2180
<i>Connochaetes gnou</i>	8	-0.1005	2	-0.2303	<i>Connochaetes gnou</i>	1	-0.2180
<i>Connochaetes taurinus</i>	8	-0.0922	1	-0.1498	<i>Connochaetes taurinus</i>	1	-0.2180
<i>Alcelaphus buselaphus</i>	11	-0.2180	2	-0.2303	<i>Alcelaphus buselaphus</i>	1	-0.2180
<i>Damaliscus dorcas</i>	8	-0.1498	2	-0.2303	<i>Damaliscus dorcas</i>	1	-0.2180
<i>Sylvicapra grimmia</i>	4	-0.1134	2	-0.2303	<i>Sylvicapra grimmia</i>	1	-0.2180
<i>Antidorcas marsupialis</i>	48	-0.3878	4	-0.3219	<i>Antidorcas marsupialis</i>	1	-0.2180
<i>Antidorcas bondi</i>	4	-0.1104	1	-0.1498	<i>Antidorcas bondi</i>	1	-0.2180
<i>Pelea capreolus</i>	7	-0.1688	2	-0.2303	<i>Pelea capreolus</i>	1	-0.2180
<i>Taurotragus oryx</i>	12	-0.2303	1	-0.1498	<i>Taurotragus oryx</i>	1	-0.2180
TOTAL	120		20		TOTAL	11	
No of species	11				No of species	11	
Diversity		-1.9564		-2.3028	Diversity		-2.3979
Richness		2.6888		3.3381	Richness		4.1703
Evenness		-0.8159		-0.9603	Evenness		-1.0000
Diversity/standard		0.6159		0.9603			
Richness/standard		0.5008		0.8004			
Evenness/standard		0.8158		0.9603			

PH LEVEL				PH LEVEL			
Ungulates				Ungulates			
<i>Phacochoerus aethiopicus</i>	25	-0.2843	2	-0.2071	<i>Phacochoerus aethiopicus</i>	1	-0.1885
<i>Connochaetes gnou</i>	10	-0.1688	2	-0.2071	<i>Connochaetes gnou</i>	1	-0.1885
<i>Alcelaphus buselaphus</i>	4	-0.0894	1	-0.1324	<i>Alcelaphus buselaphus</i>	1	-0.1885
<i>Damaliscus dorcas</i>	25	-0.2843	2	-0.2071	<i>Damaliscus dorcas</i>	1	-0.1885
<i>Sylvicapra grimmia</i>	7	-0.1350	1	-0.1324	<i>Sylvicapra grimmia</i>	1	-0.1885
<i>Antidorcas marsupialis</i>	48	-0.3884	8	-0.3468	<i>Antidorcas marsupialis</i>	1	-0.1885
<i>Antidorcas bondi</i>	4	-0.0894	1	-0.1324	<i>Antidorcas bondi</i>	1	-0.1885
<i>Oreotragus oreotragus</i>	6	-0.1060	2	-0.2071	<i>Oreotragus oreotragus</i>	1	-0.1885
<i>Raphiceros campestris</i>	8	-0.1060	1	-0.1324	<i>Raphiceros campestris</i>	1	-0.1885
<i>Pelea capreolus</i>	12	-0.1692	2	-0.2071	<i>Pelea capreolus</i>	1	-0.1885
<i>Hippotragus leucophaeus</i>	1	-0.0308	1	-0.1324	<i>Hippotragus leucophaeus</i>	1	-0.1885
<i>Tragelaphus strepsiceros</i>	2	-0.0500	1	-0.1324	<i>Tragelaphus strepsiceros</i>	1	-0.1885
<i>Taurotragus oryx</i>	18	-0.2247	1	-0.1324	<i>Taurotragus oryx</i>	1	-0.1885
<i>Redunca fulvorufula</i>	8	-0.0722	1	-0.1324	<i>Redunca fulvorufula</i>	1	-0.1885
TOTAL	187		24		TOTAL	14	
No of species	14				No of species	14	
Diversity		-2.1871		-2.4413	Diversity		-2.6391
Richness		2.6401		4.0908	Richness		4.9280
Evenness		-0.8288		-0.9251	Evenness		-1.0000
Diversity/standard		0.8288		0.9251			
Richness/standard		0.6158		0.8004			
Evenness/standard		0.8288		0.9251			

TABLE 45: (cont.)

A2 LEVEL				A2 LEVEL			
Ungulates				Ungulates			
<i>Phaenoceros aethiopicus</i>	26	-0.2111	1	-0.1161	<i>Phaenoceros aethiopicus</i>	1	-0.1973
<i>Ovis aries</i>	6	-0.0779	1	-0.1161	<i>Ovis aries</i>	1	-0.1973
<i>Capra hircus</i>	29	-0.2205	9	-0.2347	<i>Capra hircus</i>	1	-0.1973
<i>Connochaetes gnou</i>	15	-0.1491	3	-0.2347	<i>Connochaetes gnou</i>	1	-0.1973
<i>Connochaetes taurinus</i>	5	-0.0679	1	-0.1161	<i>Connochaetes taurinus</i>	1	-0.1973
<i>Alcelaphus buselaphus</i>	7	-0.0679	2	-0.1844	<i>Alcelaphus buselaphus</i>	1	-0.1973
<i>Dama dama</i>	32	-0.2378	2	-0.1844	<i>Dama dama</i>	1	-0.1973
<i>Sylvestris grimmia</i>	1	-0.0189	1	-0.1161	<i>Sylvestris grimmia</i>	1	-0.1973
<i>Antilocapra americana</i>	130	-0.3625	5	-0.3031	<i>Antilocapra americana</i>	1	-0.1973
<i>Raphicerus campestris</i>	6	-0.0679	3	-0.2347	<i>Raphicerus campestris</i>	1	-0.1973
<i>Pala capreolus</i>	17	-0.1620	3	-0.2347	<i>Pala capreolus</i>	1	-0.1973
<i>Taurotragus oryx</i>	18	-0.1556	3	-0.2347	<i>Taurotragus oryx</i>	1	-0.1973
<i>Redunca fulvorufa</i>	14	-0.1424	1	-0.1161	<i>Redunca fulvorufa</i>	1	-0.1973
TOTAL	302		29		TOTAL	13	
No of species	13		13		No of species	13	
Diversity		-1.9612		-2.4260	Diversity		-2.5649
Richness		2.1014		3.6837	Richness		4.6785
Evenness		-0.7648		-0.9458	Evenness		-1.0000
Diversity/standard		0.7648		0.9458			
Richness/standard		0.4492		0.7817			
Evenness/standard		0.7648		0.9458			

PT LEVEL				PT LEVEL			
Ungulates				Ungulates			
<i>Equus burchelli/quagga</i>	1	-0.0548	1	-0.1667	<i>Equus burchelli/quagga</i>	1	-0.1973
<i>Phaenoceros aethiopicus</i>	23	-0.3584	1	-0.1667	<i>Phaenoceros aethiopicus</i>	1	-0.1973
<i>Connochaetes gnou</i>	6	-0.1793	1	-0.1667	<i>Connochaetes gnou</i>	1	-0.1973
<i>Connochaetes taurinus</i>	1	-0.0548	1	-0.1667	<i>Connochaetes taurinus</i>	1	-0.1973
<i>Alcelaphus buselaphus</i>	2	-0.0922	1	-0.1667	<i>Alcelaphus buselaphus</i>	1	-0.1973
<i>Dama dama</i>	10	-0.2559	2	-0.2518	<i>Dama dama</i>	1	-0.1973
<i>Antilocapra americana</i>	18	-0.3356	3	-0.3061	<i>Antilocapra americana</i>	1	-0.1973
<i>Oreotragus oreotragus</i>	1	-0.0548	1	-0.1667	<i>Oreotragus oreotragus</i>	1	-0.1973
<i>Raphicerus campestris</i>	1	-0.0548	1	-0.1667	<i>Raphicerus campestris</i>	1	-0.1973
<i>Pala capreolus</i>	3	-0.1231	1	-0.1667	<i>Pala capreolus</i>	1	-0.1973
<i>Hippotragus equinus</i>	2	-0.0922	1	-0.1667	<i>Hippotragus equinus</i>	1	-0.1973
<i>Taurotragus oryx</i>	8	-0.2303	2	-0.2516	<i>Taurotragus oryx</i>	1	-0.1973
<i>Redunca fulvorufa</i>	8	-0.1733	1	-0.1667	<i>Redunca fulvorufa</i>	1	-0.1973
TOTAL	90		17		TOTAL	13	
No of species	13				No of species	13	
Diversity		-2.0674		-2.4762	Diversity		-2.5649
Richness		2.7305		4.2385	Richness		4.6785
Evenness		-0.8021		-0.9654	Evenness		-1.0000
Diversity/standard		0.8021		0.9654			
Richness/standard		0.6053		0.9053			
Evenness/standard		0.8021		0.9654			

TABLE 45: Ungulates, diversity, richness and evenness indices

MN LEVEL				MN LEVEL			
Ungulates		NISP	MNI	Ungulates		NISP	MNI
<i>Equus burchelli/quagga</i>	1	-0.0453	1	-0.1363	<i>Equus burchelli/quagga</i>	1	-0.1805
<i>Phaenoceros aethiopicus</i>	5	-0.1478	1	-0.1363	<i>Phaenoceros aethiopicus</i>	1	-0.1805
<i>Bos taurus</i>	17	-0.2986	5	-0.3318	<i>Bos taurus</i>	1	-0.1805
<i>Ovis aries</i>	5	-0.1478	1	-0.1363	<i>Ovis aries</i>	1	-0.1805
<i>Connochaetes gnou</i>	11	-0.2402	2	-0.2124	<i>Connochaetes gnou</i>	1	-0.1805
<i>Connochaetes taurinus</i>	2	-0.0771	1	-0.1363	<i>Connochaetes taurinus</i>	1	-0.1805
<i>Alcelaphus buselaphus</i>	7	-0.1838	2	-0.2124	<i>Alcelaphus buselaphus</i>	1	-0.1805
<i>Dama dama</i>	8	-0.1887	1	-0.1363	<i>Dama dama</i>	1	-0.1805
<i>Antilocapra americana</i>	38	-0.3876	3	-0.2657	<i>Antilocapra americana</i>	1	-0.1805
<i>Oreotragus oreotragus</i>	1	-0.0453	1	-0.1363	<i>Oreotragus oreotragus</i>	1	-0.1805
<i>Ourebia ourebia</i>	1	-0.0453	1	-0.1363	<i>Ourebia ourebia</i>	1	-0.1805
<i>Raphicerus campestris</i>	1	-0.0453	1	-0.1363	<i>Raphicerus campestris</i>	1	-0.1805
<i>Palaemon capensis</i>	2	-0.0771	1	-0.1363	<i>Palaemon capensis</i>	1	-0.1805
<i>Taurotragus oryx</i>	3	-0.1037	1	-0.1363	<i>Taurotragus oryx</i>	1	-0.1805
<i>Redunca fulvorufa</i>	1	-0.0453	1	-0.1363	<i>Redunca fulvorufa</i>	1	-0.1805
TOTAL		102	23		TOTAL		15
No of species	15		18		No of species	15	
Diversity		-2.0372	-2.5218		Diversity	-2.7081	
Richness		3.0270	4.4650		Richness	5.1558	
Evenness		-0.7523	-0.9312		Evenness	-1.0000	
Diversity/standard		0.7523	0.9312				
Richness/standard		0.8555	0.9572				
Evenness/standard		0.7523	0.9312				

A LEVEL				A LEVEL			
Ungulates		NISP	MNI	Ungulates		NISP	MNI
<i>Phaenoceros aethiopicus</i>	24	-0.2204	2	-0.2021	<i>Phaenoceros aethiopicus</i>	1	-0.1805
<i>Bos taurus</i>	4	-0.0544	1	-0.1805	<i>Bos taurus</i>	1	-0.1805
<i>Ovis aries</i>	1	-0.0215	1	-0.1288	<i>Ovis aries</i>	1	-0.1805
<i>Connochaetes gnou</i>	15	-0.1850	2	-0.2021	<i>Connochaetes gnou</i>	1	-0.1805
<i>Connochaetes taurinus</i>	4	-0.0544	2	-0.2021	<i>Connochaetes taurinus</i>	1	-0.1805
<i>Alcelaphus buselaphus</i>	5	-0.0762	2	-0.2021	<i>Alcelaphus buselaphus</i>	1	-0.1805
<i>Dama dama</i>	31	-0.2541	2	-0.2021	<i>Dama dama</i>	1	-0.1805
<i>Sylviscapra grimmia</i>	4	-0.0544	1	-0.1288	<i>Sylviscapra grimmia</i>	1	-0.1805
<i>Antilocapra americana</i>	135	-0.3398	3	-0.3213	<i>Antilocapra americana</i>	1	-0.1805
<i>Raphicerus campestris</i>	8	-0.0872	1	-0.1288	<i>Raphicerus campestris</i>	1	-0.1805
<i>Aepyceros melampus</i>	1	-0.0215	1	-0.1288	<i>Aepyceros melampus</i>	1	-0.1805
<i>Palaemon capensis</i>	10	-0.1258	1	-0.1288	<i>Palaemon capensis</i>	1	-0.1805
<i>Taurotragus oryx</i>	12	-0.1423	2	-0.2021	<i>Taurotragus oryx</i>	1	-0.1805
<i>Redunca fulvorufa</i>	7	-0.0876	2	-0.2021	<i>Redunca fulvorufa</i>	1	-0.1805
TOTAL		252	25		TOTAL		14
No of species	14		14		No of species	14	
Diversity		-1.7442	-2.5088		Diversity	-2.5391	
Richness		2.3995	4.0387		Richness	4.9250	
Evenness		-0.8509	-0.9507		Evenness	-1.0000	
Diversity/standard		0.8509	0.9507				
Richness/standard		0.4749	0.9199				
Evenness/standard		0.8509	0.9507				

TABLE 44: (cont.)

DOM LEVEL				DOM LEVEL			
Species	NISP		MNI	Species	NISP		
<i>Equus capensis</i>	1	-0.1408	1	-0.2303	<i>Equus capensis</i>	1	-0.2441
<i>Phacochcerus aethiopicus</i>	6	-0.3367	1	-0.2303	<i>Phacochcerus aethiopicus</i>	1	-0.2441
<i>Connochaetes gnou</i>	2	-0.2180	1	-0.2303	<i>Connochaetes gnou</i>	1	-0.2441
<i>Damaliscus dorcas</i>	1	-0.1408	1	-0.2303	<i>Damaliscus dorcas</i>	1	-0.2441
<i>Antidorcas marsupialis</i>	4	-0.3100	2	-0.3219	<i>Antidorcas marsupialis</i>	1	-0.2441
<i>Antidorcas bondi</i>	2	-0.2180	1	-0.2303	<i>Antidorcas bondi</i>	1	-0.2441
<i>Tragelaphus strepsiceros</i>	1	-0.1408	1	-0.2303	<i>Tragelaphus strepsiceros</i>	1	-0.2441
<i>Taurotragus oryx</i>	4	-0.3100	1	-0.2303	<i>Taurotragus oryx</i>	1	-0.2441
<i>Redunca fulvorufula</i>	2	-0.2180	1	-0.2303	<i>Redunca fulvorufula</i>	1	-0.2441
TOTAL	22		10	TOTAL	9		
No of species	9			No of species	9		
Diversity		-2.0321	-2.1640	Diversity		-2.1972	
Richness		2.5861	3.4744	Richness		3.6410	
Evenness		-0.9249	-0.9849	Evenness		-1.0000	
Diversity/standard		0.9249	0.9849	Diversity/standard			
Richness/standard		0.7108	0.9542	Richness/standard			
Evenness/standard		0.9249	0.9849	Evenness/standard			

LB LEVEL				LB LEVEL			
Species	NISP		MNI	Species	NISP		
<i>Alcelaphus buselaphus</i>	1	-0.2599	1	-0.3662	<i>Alcelaphus buselaphus</i>	1	-0.3662
<i>Antidorcas marsupialis</i>	6	-0.2158	1	-0.3662	<i>Antidorcas marsupialis</i>	1	-0.3662
<i>Pelea capensis</i>	1	-0.2599	1	-0.3662	<i>Pelea capensis</i>	1	-0.3662
TOTAL	8		3	TOTAL	3		
No of species	3			No of species	3		
Diversity		-0.7356	-1.0886	Diversity		-1.0986	
Richness		0.9518	1.8205	Richness		1.8205	
Evenness		-0.6896	-1.0000	Evenness		-1.0000	
Diversity/standard		0.6896	1.0000				
Richness/standard		0.5283	1.0000				
Evenness/standard		0.6896	1.0000				

DE LEVEL				DE LEVEL			
Species	NISP		MNI	Species	NISP		
<i>Pelea capensis</i>	1	-0.0906	1	-0.1806	<i>Pelea capensis</i>	1	-0.1973
<i>Equus burchelli/quagga</i>	5	-0.2566	1	-0.1806	<i>Equus burchelli/quagga</i>	1	-0.1973
<i>Equus capensis</i>	1	-0.0906	1	-0.1806	<i>Equus capensis</i>	1	-0.1973
<i>Procavia capensis</i>	1	-0.0906	1	-0.1806	<i>Procavia capensis</i>	1	-0.1973
<i>Phacochcerus aethiopicus</i>	1	-0.0906	1	-0.1806	<i>Phacochcerus aethiopicus</i>	1	-0.1973
<i>Connochaetes gnou</i>	6	-0.2812	2	-0.2687	<i>Connochaetes gnou</i>	1	-0.1973
<i>Alcelaphus buselaphus</i>	7	-0.3018	2	-0.2687	<i>Alcelaphus buselaphus</i>	1	-0.1973
<i>Megalotragus prisca</i>	5	-0.2566	1	-0.1806	<i>Megalotragus prisca</i>	1	-0.1973
<i>Damaliscus dorcas</i>	5	-0.2566	1	-0.1806	<i>Damaliscus dorcas</i>	1	-0.1973
<i>Antidorcas marsupialis</i>	5	-0.2566	1	-0.1806	<i>Antidorcas marsupialis</i>	1	-0.1973
<i>Antidorcas bondi</i>	1	-0.0906	1	-0.1806	<i>Antidorcas bondi</i>	1	-0.1973
<i>Taurotragus oryx</i>	2	-0.1473	1	-0.1806	<i>Taurotragus oryx</i>	1	-0.1973
<i>Pedetes capensis</i>	1	-0.0906	1	-0.1806	<i>Pedetes capensis</i>	1	-0.1973
TOTAL	41		15	TOTAL	13		
No of species	13			No of species	13		
Diversity		-2.3002	-2.5232	Diversity		-2.5649	
Richness		3.2314	4.4312	Richness		4.6785	
Evenness		-0.8968	-0.9837	Evenness		-1.0000	
Diversity/standard		0.8968	0.9837				
Richness/standard		0.8907	0.9472				
Evenness/standard		0.8968	0.9837				

TABLE 44: (cont.)

OM LEVEL			OM LEVEL		
Species	NISP	MNI	Species	NISP	MNI
<i>Papio ursinus</i>	4	-0.1183	<i>Papio ursinus</i>	1	-0.1498
<i>Cercopithecus aethiops</i>	1	-0.0418	<i>Cercopithecus aethiops</i>	1	-0.1498
<i>Suricata suricatta</i>	1	-0.0418	<i>Suricata suricatta</i>	1	-0.1498
<i>Panthera pardus</i>	1	-0.0418	<i>Panthera pardus</i>	1	-0.1498
<i>Equus burchelli/quagga</i>	3	-0.0983	<i>Equus burchelli/quagga</i>	1	-0.1498
<i>Procavia capensis</i>	16	-0.2768	<i>Procavia capensis</i>	1	-0.1498
<i>Phacochorus aethiopicus</i>	13	-0.2488	<i>Phacochorus aethiopicus</i>	1	-0.1498
<i>Connochaetes gnou</i>	9	-0.2015	<i>Connochaetes gnou</i>	1	-0.1498
<i>Alcelaphus busseolaphus</i>	5	-0.1380	<i>Alcelaphus busseolaphus</i>	1	-0.1498
<i>Damaliscus dorcas</i>	6	-0.1559	<i>Damaliscus dorcas</i>	1	-0.1498
<i>Sylvicapra grimmia</i>	1	-0.0418	<i>Sylvicapra grimmia</i>	1	-0.1498
<i>Antidorcas marsupialis</i>	6	-0.1559	<i>Antidorcas marsupialis</i>	1	-0.1498
<i>Oreotragus oreotragus</i>	4	-0.1183	<i>Oreotragus oreotragus</i>	1	-0.1498
<i>Raphicarpus campestris</i>	7	-0.1723	<i>Raphicarpus campestris</i>	1	-0.1498
<i>Pala capreolus</i>	3	-0.0983	<i>Pala capreolus</i>	1	-0.1498
<i>Taurotragus oryx</i>	17	-0.2850	<i>Taurotragus oryx</i>	1	-0.1498
<i>Pedotia capensis</i>	3	-0.0983	<i>Pedotia capensis</i>	1	-0.1498
<i>Hystrix africaeaustralis</i>	1	-0.0418	<i>Hystrix africaeaustralis</i>	1	-0.1498
<i>Lepus/Pronolagus</i>	3	-0.0983	<i>Lepus/Pronolagus</i>	1	-0.1498
<i>Tortoise</i>	9	-0.2015	<i>Tortoise</i>	1	-0.1498
TOTAL	113	25	TOTAL	20	
No. of species	20		No. of species	20	
Diversity	-2.6686	-2.9418	Diversity	-2.9957	
Richness	4.0191	5.9027	Richness	6.3424	
Evenness	-0.8901	-0.8819	Evenness	-1.0000	
Diversity/standard	0.8901	0.8819			
Richness/standard	0.6337	0.9307			
Evenness/standard	0.8901	0.8819			

H LEVEL			H LEVEL		
Species	NISP	MNI	Species	NISP	MNI
<i>Equus burchelli/quagga</i>	1	-0.0729	<i>Equus burchelli/quagga</i>	1	-0.1733
<i>Procavia capensis</i>	10	-0.3100	<i>Procavia capensis</i>	1	-0.1733
<i>Phacochorus aethiopicus</i>	7	-0.2824	<i>Phacochorus aethiopicus</i>	1	-0.1733
<i>Connochaetes gnou</i>	2	-0.1205	<i>Connochaetes gnou</i>	1	-0.1733
<i>Alcelaphus busseolaphus</i>	1	-0.0729	<i>Alcelaphus busseolaphus</i>	1	-0.1733
<i>Damaliscus dorcas</i>	6	-0.2417	<i>Damaliscus dorcas</i>	1	-0.1733
<i>Sylvicapra grimmia</i>	1	-0.0729	<i>Sylvicapra grimmia</i>	1	-0.1733
<i>Antidorcas marsupialis</i>	3	-0.1587	<i>Antidorcas marsupialis</i>	1	-0.1733
<i>Oreotragus oreotragus</i>	3	-0.1587	<i>Oreotragus oreotragus</i>	1	-0.1733
<i>Raphicarpus campestris</i>	1	-0.0729	<i>Raphicarpus campestris</i>	1	-0.1733
<i>Pala capreolus</i>	1	-0.0729	<i>Pala capreolus</i>	1	-0.1733
<i>Taurotragus oryx</i>	4	-0.1906	<i>Taurotragus oryx</i>	1	-0.1733
<i>Pedotia capensis</i>	1	-0.0729	<i>Pedotia capensis</i>	1	-0.1733
<i>Hystrix africaeaustralis</i>	1	-0.0729	<i>Hystrix africaeaustralis</i>	1	-0.1733
<i>Lepus/Pronolagus</i>	4	-0.1906	<i>Lepus/Pronolagus</i>	1	-0.1733
<i>Tortoise</i>	9	-0.2962	<i>Tortoise</i>	1	-0.1733
TOTAL	55	17	TOTAL	16	
No. of species	16		No. of species	16	
Diversity	-2.4393	-2.7517	Diversity	-2.7726	
Richness	3.7431	5.2943	Richness	5.4101	
Evenness	-0.8798	-0.8925	Evenness	-1.0000	
Diversity/standard	0.8798	0.8925			
Richness/standard	0.6919	0.8786			
Evenness/standard	0.8798	0.8925			

Table 46: (cont.)
Ja level

Non-Combined				Formal				end			
shunk	51	-0.308	chup	51	-0.308				1	0.000	
chip	184	-0.281	chip	184	-0.281	Subtotal			1		
irregular	8	-0.001	irregular	5	-0.001						
biadefat 2 plat	1	-0.017	biadefat 2 plat	1	-0.017	Diversity					
lat biadefat	2	-0.030	lat biadefat	2	-0.030	Richness					
core radius 1 plat	4	-0.051	core radius 1 plat	4	-0.051	Evenness					
parallel sided	1	-0.017	parallel sided	1	-0.017	Diversity/standard					
parallel sided	4	-0.051	parallel sided	4	-0.051	Richness/standard					
irregular	3	-0.041	irregular	3	-0.041	Evenness/standard					
distal	1	-0.017	distal	1	-0.017						
proximal	3	-0.041	proximal	3	-0.041						
core radius	1	-0.017	core radius	1	-0.017						
endstruck 30+mm	1	-0.017	endstruck 30+mm	1	-0.017						
endstruck <30mm	4	-0.051	endstruck <30mm	4	-0.051						
sidestruck <30mm	1	-0.017	sidestruck <30mm	1	-0.017						
endstruck 30+mm	2	-0.030	endstruck 30+mm	2	-0.030						
endstruck <30mm	31	-0.218	endstruck <30mm	31	-0.218						
sidestruck 30+mm	1	-0.017	sidestruck 30+mm	1	-0.017						
sidestruck <30mm	51	-0.281	sidestruck <30mm	51	-0.281						
distal	4	-0.051	distal	4	-0.051						
medial	5	-0.061	medial	5	-0.061						
proximal	7	-0.079	proximal	7	-0.079						
end	1	-0.017	Subtotal	347							
Total	348										
Diversity		-1.044	Diversity		-1.044						
Richness		3.758	Richness		3.758						
Evenness		-0.000	Evenness		-0.000						
Diversity/standard		0.000	Diversity/standard		0.000						
Richness/standard		0.000	Richness/standard		0.000						
Evenness/standard		0.000	Evenness/standard		0.000						

Non-Combined				Formal				end			
shunk	1	-0.135	shunk	1	-0.141				1	0.000	
chip	1	-0.135	chip	1	-0.141	Subtotal			1		
irregular	1	-0.135	irregular	1	-0.141						
biadefat 2 plat	1	-0.135	biadefat 2 plat	1	-0.141	Diversity					
lat biadefat	1	-0.135	lat biadefat	1	-0.141	Richness					
core radius 1 plat	1	-0.135	core radius 1 plat	1	-0.141	Evenness					
parallel sided	1	-0.135	parallel sided	1	-0.141	Diversity/standard					
parallel sided	1	-0.135	parallel sided	1	-0.141	Richness/standard					
irregular	1	-0.135	irregular	1	-0.141	Evenness/standard					
distal	1	-0.135	distal	1	-0.141						
proximal	1	-0.135	proximal	1	-0.141						
core radius	1	-0.135	core radius	1	-0.141						
endstruck 30+mm	1	-0.135	endstruck 30+mm	1	-0.141						
endstruck <30mm	1	-0.135	endstruck <30mm	1	-0.141						
sidestruck <30mm	1	-0.135	sidestruck <30mm	1	-0.141						
endstruck 30+mm	1	-0.135	endstruck 30+mm	1	-0.141						
endstruck <30mm	1	-0.135	endstruck <30mm	1	-0.141						
sidestruck 30+mm	1	-0.135	sidestruck 30+mm	1	-0.141						
sidestruck <30mm	1	-0.135	sidestruck <30mm	1	-0.141						
distal	1	-0.135	distal	1	-0.141						
medial	1	-0.135	medial	1	-0.141						
proximal	1	-0.135	proximal	1	-0.141						
end	1	-0.135	Subtotal	23							
Total	23										
Diversity		-0.135	Diversity		-0.141						
Richness		7.018	Richness		7.018						
Evenness		-1.000	Evenness		-1.000						

TABLE 467 (cont.)
Ja level

C4		Non-formal		Formal	
Combined					
chunk	10	-0.186	chunk	10	-0.319
chip	10	-0.332	chip	10	-0.308
irregular	4	-0.062	irregular	4	-0.200
core red us 2 pint	1	-0.026	core red us 2 pint	1	-0.077
irregular	1	-0.026	irregular	1	-0.077
endstruck <30mm	1	-0.028	endstruck <30mm	1	-0.077
endstruck <30mm	7	-0.123	endstruck <30mm	7	-0.270
endstruck 30+mm	1	-0.028	endstruck 30+mm	1	-0.077
endstruck <30mm	2	-0.018	endstruck <30mm	2	-0.187
distal	3	-0.000	distal	3	-0.187
proximal	2	-0.048	proximal	2	-0.127
miscellaneous	1	-0.020	miscellaneous	51	-0.020
distal	3	-0.000			
miscellaneous	1	-0.020			
Total	50				
Diversity		-0.088	Diversity		-1.880
Richness		3.830	Richness		2.543
Evenness		-0.374	Evenness		-0.788
Diversity/standard		0.374			0.708
Richness/standard		0.000			0.610
Evenness/standard		0.374			0.788

C4		Non-formal		Formal	
Combined					
chunk	1	-0.189	chunk	1	-0.218
chip	1	-0.189	chip	1	-0.218
irregular	1	-0.189	irregular	1	-0.218
core red us 2 pint	1	-0.189	core red us 2 pint	1	-0.218
irregular	1	-0.189	irregular	1	-0.218
endstruck <30mm	1	-0.189	endstruck <30mm	1	-0.218
endstruck <30mm	1	-0.189	endstruck <30mm	1	-0.218
endstruck 30+mm	1	-0.189	endstruck 30+mm	1	-0.218
endstruck <30mm	1	-0.189	endstruck <30mm	1	-0.218
distal	1	-0.189	distal	1	-0.218
proximal	1	-0.189	proximal	1	-0.218
miscellaneous	1	-0.189	miscellaneous	11	-0.189
distal	1	-0.189			
miscellaneous	1	-0.189			
Total	14				
Diversity		-2.636	Diversity		-2.368
Richness		4.028	Richness		4.170
Evenness		-1.000	Evenness		-1.000

TABLE 46: (cont.)
Ja level

Combined				Non-formal				Formal			
chunk	26	-0.004		chunk	26	-0.007		chunk	26	-0.007	
chip	70	-0.005		chip	70	-0.005		chip	70	-0.005	
irregular	3	-0.000		irregular	3	-0.007		irregular	3	-0.007	
bladelet 2 plat	1	-0.020		bladelet 2 plat	1	-0.020		bladelet 2 plat	1	-0.020	
flat bladelet	1	-0.020		flat bladelet	1	-0.020		flat bladelet	1	-0.020	
core reduce 1 plat	2	-0.040		core reduce 1 plat	2	-0.040		core reduce 1 plat	2	-0.040	
core reduce 2 plat	1	-0.020		core reduce 2 plat	1	-0.020		core reduce 2 plat	1	-0.020	
thick triangular	2	-0.040		thick triangular	2	-0.040		thick triangular	2	-0.040	
irregular	1	-0.020		irregular	1	-0.020		irregular	1	-0.020	
parallel sided	2	-0.040		parallel sided	2	-0.040		parallel sided	2	-0.040	
irregular	4	-0.080		irregular	4	-0.080		irregular	4	-0.080	
discal	1	-0.020		discal	1	-0.020		discal	1	-0.020	
proximal	4	-0.080		proximal	4	-0.080		proximal	4	-0.080	
sidestruck 30+mm	1	-0.020		sidestruck 30+mm	1	-0.020		sidestruck 30+mm	1	-0.020	
sidestruck <30mm	2	-0.040		sidestruck <30mm	2	-0.040		sidestruck <30mm	2	-0.040	
endstruck 30+mm	2	-0.040		endstruck 30+mm	2	-0.040		endstruck 30+mm	2	-0.040	
endstruck <30mm	24	-0.200		endstruck <30mm	24	-0.200		endstruck <30mm	24	-0.200	
sidestruck 30+mm	6	-0.060		sidestruck 30+mm	6	-0.060		sidestruck 30+mm	6	-0.060	
sidestruck <30mm	10	-0.210		sidestruck <30mm	10	-0.210		sidestruck <30mm	10	-0.210	
medial	2	-0.040		medial	2	-0.040		medial	2	-0.040	
proximal	6	-0.060		proximal	6	-0.060		proximal	6	-0.060	
end	2	-0.040		end	2	-0.040		end	2	-0.040	
knife	1	-0.020		knife	1	-0.020		knife	1	-0.020	
miscellaneous	1	-0.020		miscellaneous	1	-0.020		miscellaneous	1	-0.020	
broken tool	1	-0.020		broken tool	1	-0.020		broken tool	1	-0.020	
Total	100			Total	100			Total	100		
Diversity		-2.102		Diversity		-2.102		Diversity		-2.102	
Richness		4.003		Richness		4.003		Richness		4.003	
Evenness		0.003		Evenness		0.003		Evenness		0.003	
Diversity/standard		0.003		Diversity/standard		0.003		Diversity/standard		0.003	
Richness/standard		0.010		Richness/standard		0.010		Richness/standard		0.010	
Evenness/standard		0.002		Evenness/standard		0.002		Evenness/standard		0.002	

Combined				Non-formal				Formal			
chunk	1	-0.120		chunk	1	-0.140		chunk	1	-0.140	
chip	1	-0.120		chip	1	-0.140		chip	1	-0.140	
irregular	1	-0.120		irregular	1	-0.140		irregular	1	-0.140	
bladelet 2 plat	1	-0.120		bladelet 2 plat	1	-0.140		bladelet 2 plat	1	-0.140	
flat bladelet	1	-0.120		flat bladelet	1	-0.140		flat bladelet	1	-0.140	
core reduce 1 plat	1	-0.120		core reduce 1 plat	1	-0.140		core reduce 1 plat	1	-0.140	
core reduce 2 plat	1	-0.120		core reduce 2 plat	1	-0.140		core reduce 2 plat	1	-0.140	
thick triangular	1	-0.120		thick triangular	1	-0.140		thick triangular	1	-0.140	
irregular	1	-0.120		irregular	1	-0.140		irregular	1	-0.140	
parallel sided	1	-0.120		parallel sided	1	-0.140		parallel sided	1	-0.140	
irregular	1	-0.120		irregular	1	-0.140		irregular	1	-0.140	
discal	1	-0.120		discal	1	-0.140		discal	1	-0.140	
proximal	1	-0.120		proximal	1	-0.140		proximal	1	-0.140	
sidestruck 30+mm	1	-0.120		sidestruck 30+mm	1	-0.140		sidestruck 30+mm	1	-0.140	
sidestruck <30mm	1	-0.120		sidestruck <30mm	1	-0.140		sidestruck <30mm	1	-0.140	
endstruck 30+mm	1	-0.120		endstruck 30+mm	1	-0.140		endstruck 30+mm	1	-0.140	
endstruck <30mm	1	-0.120		endstruck <30mm	1	-0.140		endstruck <30mm	1	-0.140	
sidestruck 30+mm	1	-0.120		sidestruck 30+mm	1	-0.140		sidestruck 30+mm	1	-0.140	
sidestruck <30mm	1	-0.120		sidestruck <30mm	1	-0.140		sidestruck <30mm	1	-0.140	
medial	1	-0.120		medial	1	-0.140		medial	1	-0.140	
proximal	1	-0.120		proximal	1	-0.140		proximal	1	-0.140	
end	1	-0.120		end	1	-0.140		end	1	-0.140	
knife	1	-0.120		knife	1	-0.140		knife	1	-0.140	
miscellaneous	1	-0.120		miscellaneous	1	-0.140		miscellaneous	1	-0.140	
broken tool	1	-0.120		broken tool	1	-0.140		broken tool	1	-0.140	
Total	20			Total	20			Total	20		
Diversity		-3.210		Diversity		-3.210		Diversity		-3.210	
Richness		7.400		Richness		7.400		Richness		7.400	
Evenness		-1.007		Evenness		-1.007		Evenness		-1.007	

TABLE 46: (cont.)
Ja level

P4		Non-formal		Formal				
Combined								
chunk	10	-0.247	chunk	10	-0.254	end & 2 sides	1	-0.210
chip	00	-0.003	chip	00	-0.050	end	2	-0.210
irregular	1	-0.032	irregular	1	-0.033	end & side	1	-0.210
biadlet 2 plat	1	-0.032	biadlet 2 plat	1	-0.033	high backed	1	-0.210
flat biadlet	1	-0.032	flat biadlet	1	-0.033	knife	1	-0.210
core reduce 1 plat	1	-0.032	core reduce 1 plat	1	-0.033	rustback knife	1	-0.210
core reduce 2 plat	1	-0.032	core reduce 2 plat	1	-0.033	broken tool	1	-0.210
flat plat bid cor	1	-0.032	flat plat bid cor	1	-0.033	miscellaneous	3	-0.364
parallel sided	3	-0.032	parallel sided	1	-0.033 Subtotal		11	
irregular	4	-0.033	irregular	4	-0.036			
dlatel	1	-0.032	dlatel	1	-0.033 Diversity			-1.072
proximal	1	-0.032	proximal	1	-0.033 Richness			2.010
core rel. like	1	-0.032	core rel. like	1	-0.033 Evenness			-0.048
sidestruck <30mm	2	-0.066	sidestruck <30mm	2	-0.067 Diversity/standard			0.048
sidestruck <30mm	3	-0.075	sidestruck <30mm	3	-0.076 Richness/standard			0.007
sidestruck <30mm	11	-0.168	sidestruck <30mm	11	-0.167 Evenness/standard			0.048
sidestruck 30+mm	3	-0.076	sidestruck 30+mm	3	-0.079			
sidestruck <30mm	13	-0.205	sidestruck <30mm	13	-0.211			
dlatel	2	-0.066	dlatel	2	-0.067			
medial	2	-0.066	medial	2	-0.067			
proximal	12	-0.168	proximal	12	-0.201			
end & 2 sides	1	-0.032 Subtotal		148				
end	2	-0.066						
end & side	1	-0.032 Diversity			-1.072			
high backed	1	-0.032 Richness			4.002			
knife	1	-0.032 Evenness			-0.048			
rust back knife	1	-0.032 Diversity/standard			0.048			
broken tool	1	-0.032 Richness/standard			0.006			
miscellaneous	3	-0.075 Evenness/standard			0.010			
Total	189							
Diversity		-2.242						
Richness		8.034						
Evenness		-0.030						
Diversity/standard		0.000						
Richness/standard		0.004						
Evenness/standard		0.000						

P4		Non-formal		Formal				
Combined								
chunk	1	-0.110	chunk	1	-0.145	end & 2 sides	1	-0.280
chip	1	-0.110	chip	1	-0.140	end	1	-0.280
irregular	1	-0.110	irregular	1	-0.145	end & side	1	-0.280
biadlet 2 plat	1	-0.110	biadlet 2 plat	1	-0.145	high backed	1	-0.280
flat biadlet	1	-0.110	flat biadlet	1	-0.140	knife	1	-0.280
core reduce 1 plat	1	-0.110	core reduce 1 plat	1	-0.145	net back knife	1	-0.280
core reduce 2 plat	1	-0.110	core reduce 2 plat	1	-0.145	broken tool	1	-0.280
flat plat bid cor	1	-0.110	flat plat bid cor	1	-0.145	miscellaneous	3	-0.280
parallel sided	1	-0.110	parallel sided	1	-0.145 Subtotal			
irregular	1	-0.110	irregular	1	-0.145			
dlatel	1	-0.110	dlatel	1	-0.145 Diversity			-2.079
proximal	1	-0.110	proximal	1	-0.145 Richness			3.000
core rel. like	1	-0.110	core rel. like	1	-0.145 Evenness			-1.000
sidestruck <30mm	1	-0.110	sidestruck <30mm	1	-0.145			
sidestruck <30mm	1	-0.110	sidestruck <30mm	1	-0.145			
sidestruck <30mm	1	-0.110	sidestruck <30mm	1	-0.145			
sidestruck 30+mm	1	-0.110	sidestruck 30+mm	1	-0.145			
sidestruck <30mm	1	-0.110	sidestruck <30mm	1	-0.145			
dlatel	1	-0.110	dlatel	1	-0.145			
medial	1	-0.110	medial	1	-0.145			
proximal	1	-0.110	proximal	1	-0.145			
end & 2 sides	1	-0.110 Subtotal		21				
end	1	-0.110						
end & side	1	-0.110 Diversity			-3.045			
high backed	1	-0.110 Richness			8.569			
knife	1	-0.110 Evenness			-1.000			
net back knife	1	-0.110						
broken tool	1	-0.110						
miscellaneous	1	-0.110						
Total	20							
Diversity		-3.307						
Richness		8.318						
Evenness		-1.000						

TABLE 46: (cont.)
Ja level

Combined				Non-formal				Formal			
chuck	23	-0.254		chuck	23	-0.287		small backed	1	-0.300	
chip	02	-0.378		chip	02	-0.395		notched knife	1	-0.300	
irregular	0	-0.164		irregular	0	-0.198		broken tool	1	-0.380	
flat blade/point	1	-0.053		flat blade/point	1	-0.033 Subtotal			3		
core radius 2 point	1	-0.033		core radius 2 point	1	-0.033					
thick triangular	1	-0.033		thick triangular	1	-0.033 Diversity				-1.000	
parallel sided	1	-0.033		parallel sided	1	-0.033 Richness				1.000	
endside 30+mm	1	-0.033		endside 30+mm	1	-0.033 Evenness				-1.000	
endside <30mm	4	-0.033		endside <30mm	4	-0.033 Diversity/standard				1.000	
endside 30+mm	1	-0.033		endside 30+mm	1	-0.033 Richness/standard				1.000	
endside <30mm	1	-0.033		endside <30mm	1	-0.033 Evenness/standard				1.000	
endside 30+mm	1	-0.033		endside 30+mm	1	-0.033					
endside <30mm	17	-0.249		endside <30mm	17	-0.249					
endside <30mm	22	-0.278		endside <30mm	22	-0.281					
discal	8	-0.111		discal	8	-0.113					
proximal	2	-0.088		proximal	2	-0.087					
small backed	1	-0.033 Subtotal			181						
notched knife	1	-0.033									
broken tool	1	-0.033 Diversity				-1.000					
		Richness				2.000					
		Evenness				-0.073					
Diversity		-1.047 Diversity/standard				0.073					
Richness		3.574 Richness/standard				0.585					
Evenness		-0.001 Evenness/standard				0.573					
Diversity/standard		0.001									
Richness/standard		0.605									
Evenness/standard		0.001									

Combined				Non-formal				Formal			
chuck	1	-0.185		chuck	1	-0.173		small backed	1	-0.300	
chip	1	-0.185		chip	1	-0.173		notched knife	1	-0.300	
irregular	1	-0.185		irregular	1	-0.173		broken tool	1	-0.380	
flat blade/point	1	-0.185		flat blade/point	1	-0.173 Subtotal					
core radius 2 point	1	-0.185		core radius 2 point	1	-0.173					
thick triangular	1	-0.185		thick triangular	1	-0.173 Diversity				-1.000	
parallel sided	1	-0.185		parallel sided	1	-0.173 Richness				1.000	
endside 30+mm	1	-0.185		endside 30+mm	1	-0.173 Evenness				-1.000	
endside <30mm	1	-0.185		endside <30mm	1	-0.173					
endside 30+mm	1	-0.185		endside 30+mm	1	-0.173					
endside <30mm	1	-0.185		endside <30mm	1	-0.173					
endside 30+mm	1	-0.185		endside 30+mm	1	-0.173					
endside <30mm	1	-0.185		endside <30mm	1	-0.173					
endside <30mm	1	-0.185		endside <30mm	1	-0.173					
discal	1	-0.185		discal	1	-0.173					
proximal	1	-0.185		proximal	1	-0.173					
small backed	1	-0.185 Subtotal			10						
notched knife	1	-0.185									
broken tool	1	-0.185 Diversity				-2.773					
		Richness				8.410					
		Evenness				-1.000					
Diversity		-2.844									
Richness		8.110									
Evenness		-1.000									

TABLE 46: (cont.)
Ja level

Non-formal					Formal				
chunk	81	-0.304	chunk	81	-0.306	knife	1	-0.347	
ship	153	-0.340	ship	153	-0.339	segment	1	-0.347	
irregular	0	-0.107	irregular	0	-0.107 Subtotal				
bisolelet 1 plat	1	-0.018	bisolelet 2 plat	1	-0.018				
core radius 1 plat	2	-0.034	core radius 1 plat	2	-0.034 Diversity			-0.893	
core radius 2 plat	1	-0.018	core radius 2 plat	1	-0.018 Richness			1.443	
flatplatbid cor	1	-0.019	flatplatbid cor	1	-0.019 Evenness			-1.000	
thick triangular	1	-0.019	thick triangular	1	-0.019 Diversity/standard			1.000	
thick triangular	1	-0.018	thick triangular	1	-0.019 Richness/standard			1.000	
irregular	1	-0.019	irregular	1	-0.019 Evenness/standard			1.000	
proximal	3	-0.047	proximal	3	-0.047				
sidestruck <30mm	1	-0.019	sidestruck <30mm	1	-0.019				
sidestruck 30+mm	1	-0.019	sidestruck 30+mm	1	-0.019				
sidestruck <30mm	26	-0.010	sidestruck <30mm	26	-0.010				
sidestruck 30+mm	8	-0.050	sidestruck 30+mm	8	-0.050				
sidestruck <30mm	29	-0.020	sidestruck <30mm	29	-0.020				
medial	2	-0.034	medial	2	-0.034				
proximal	2	-0.034	proximal	2	-0.034				
knife	1	-0.019 Subtotal		202					
segment	1	-0.019							
Total	202		Diversity		-1.894				
			Richness		2.695				
Diversity		-1.029	Evenness		-0.921				
Richness		3.349	Diversity/standard		0.981				
Evenness		-0.644	Richness/standard		0.909				
Diversity/standard		0.844	Evenness/standard		0.901				
Richness/standard		0.927							
Evenness/standard		0.844							

Combined		Non-normal		Formal	
chunk	1	~0.180	chunk	1	~0.181
chip	1	~0.180	chip	1	~0.181
irregular	1	~0.180	irregular	1	~0.181 Subtotal
bladed 2 plat	1	~0.182	bladed 2 plat	1	~0.181
core reduc 1 plat	1	~0.180	core reduc 1 plat	1	~0.181 Diversity
core reduc 2 plat	1	~0.180	core reduc 2 plat	1	~0.181 Richness
flat plat bld cor	1	~0.180	flat plat bld cor	1	~0.181 Evenness
thick triangular	1	~0.180	thick triangular	1	~0.181
thick triangular	1	~0.180	thick triangular	1	~0.181
irregular	1	~0.180	irregular	1	~0.181
proximal	1	~0.180	proximal	1	~0.181
side struck <30mm	1	~0.180	side struck <30mm	1	~0.181
side struck 30+mm	1	~0.180	side struck 30+mm	1	~0.181
end struck <30mm	1	~0.180	end struck <30mm	1	~0.181
side struck 30+mm	1	~0.180	side struck 30+mm	1	~0.181
side struck <30mm	1	~0.180	side struck <30mm	1	~0.181
medial	1	~0.180	medial	1	~0.181
proximal	1	~0.180	proximal	1	~0.181
knife	1	~0.180 Subtotal		18	
segment	1	~0.180			
Total	20		Diversity	~2.680	
			Richness	6.889	
Diversity		~2.680	Evenness	~1.000	
Richness		6.889			
Evenness		~1.000			

TABLE 46: (cont.)
Ja Level

Continued		Non-formal		Formal				
drunk	50	-0.009	drunk	50	-0.008	naturally backed	1	-0.008
chip	133	-0.008	chip	133	-0.008	end	1	-0.008
irregular	7	-0.002	irregular	7	-0.003	end & backing	1	-0.001
bladelet 1 plat	3	-0.048	bladelet 1 plat	3	-0.048	not backed knife	1	-0.008
core reduce 1 plat	3	-0.048	core reduce 1 plat	3	-0.048	broken backed	1	-0.008
core reduce 2 plat	1	-0.020	core reduce 2 plat	1	-0.020	maculaneous	1	-0.008
flat plat bladelet	1	-0.020	flat plat bladelet	1	-0.020	Subtotal	0	
irregular	1	-0.020	irregular	1	-0.020			
partial sided	1	-0.020	partial sided	1	-0.020	Diversity	1	-1.792
irregular	3	-0.048	irregular	3	-0.048	Richness	1	2.791
dial	1	-0.020	dial	1	-0.020	Evenness	1	-1.000
proximal	1	-0.020	proximal	1	-0.020	Diversity/standard	1	1.000
core red. like	1	-0.020	core red. like	1	-0.020	Richness/standard	1	1.000
underside <30mm	1	-0.020	underside <30mm	1	-0.020	Evenness/standard	1	1.000
underside <30mm	2	-0.048	underside <30mm	2	-0.048			
underside 30+mm	1	-0.020	underside 30+mm	1	-0.020			
underside <30mm	15	-0.161	underside <30mm	15	-0.161			
underside 30+mm	2	-0.020	underside 30+mm	2	-0.020			
underside <30mm	20	-0.200	underside <30mm	20	-0.200			
dial	2	-0.020	dial	2	-0.020			
modul	4	-0.060	modul	4	-0.061			
proximal	10	-0.116	proximal	10	-0.120			
naturally backed	1	-0.020	Subtotal	277				
end	1	-0.020						
end & backing	1	-0.020	Diversity	1	-1.000			
not backed knife	1	-0.020	Richness	1	3.794			
broken backed	1	-0.020	Evenness	1	-0.004			
maculaneous	1	-0.020	Diversity/standard	1	0.004			
			Richness/standard	1	0.000			
			Evenness/standard	1	0.004			
Total	283							
Diversity		-1.000						
Richness		4.794						
Evenness		-0.004						
Diversity/standard		0.004						
Richness/standard		0.000						
Evenness/standard		0.004						

Continued		Non Formal		Formal				
drunk	1	-0.116	drunk	1	-0.141	naturally backed	1	-0.008
chip	1	-0.116	chip	1	-0.141	end	1	-0.008
irregular	1	-0.116	irregular	1	-0.141	end & backing	1	-0.008
bladelet 1 plat	1	-0.116	bladelet 1 plat	1	-0.141	not backed knife	1	-0.008
core reduce 1 plat	1	-0.116	core reduce 1 plat	1	-0.141	broken backed	1	-0.008
core reduce 2 plat	1	-0.116	core reduce 2 plat	1	-0.141	maculaneous	1	-0.008
flat plat bladelet	1	-0.116	flat plat bladelet	1	-0.141	Subtotal	0	
irregular	1	-0.116	irregular	1	-0.141			
partial sided	1	-0.116	partial sided	1	-0.141	Diversity	1	-1.792
irregular	1	-0.116	irregular	1	-0.141	Richness	1	2.791
dial	1	-0.116	dial	1	-0.141	Evenness	1	-1.000
proximal	1	-0.116	proximal	1	-0.141			
core red. like	1	-0.116	core red. like	1	-0.141			
underside <30mm	1	-0.116	underside <30mm	1	-0.141			
underside <30mm	1	-0.116	underside <30mm	1	-0.141			
underside 30+mm	1	-0.116	underside 30+mm	1	-0.141			
underside <30mm	1	-0.116	underside <30mm	1	-0.141			
underside 30+mm	1	-0.116	underside 30+mm	1	-0.141			
underside <30mm	1	-0.116	underside <30mm	1	-0.141			
dial	1	-0.116	dial	1	-0.141			
modul	1	-0.116	modul	1	-0.141			
proximal	1	-0.116	proximal	1	-0.141			
naturally backed	1	-0.116	Subtotal	22				
end	1	-0.116						
end & backing	1	-0.116	Diversity	1	-0.001			
not backed knife	1	-0.116	Richness	1	3.794			
broken backed	1	-0.116	Evenness	1	-1.000			
maculaneous	1	-0.116						
Total	20							
Diversity		-1.000						
Richness		3.794						
Evenness		-1.000						

TABLE 46: (cont.)
Ja level, standardised

Combined	Non-formal	Formal
chunk 1 -0.071	chunk 1 -0.108	end & side 1 -0.129
chip 1 -0.071	chip 1 -0.108	end & 2 sides 1 -0.129
manuport/module 1 -0.071	manuport/module 1 -0.108	naturally backed 1 -0.129
irregular 1 -0.071	irregular 1 -0.108	end 1 -0.129
bladelet 1 plat 1 -0.071	bladelet 1 plat 1 -0.108	end & side 1 -0.129
bladelet 2 plat 1 -0.071	bladelet 2 plat 1 -0.108	end & adzing 1 -0.129
flat bladelet 1 -0.071	flat bladelet 1 -0.108	end 1 -0.129
core reduc 1 plat 1 -0.071	core reduc 1 plat 1 -0.108	side 1 -0.129
core reduc 2 plat 1 -0.071	core reduc 2 plat 1 -0.108	end & side 1 -0.129
flat plat bid cor 1 -0.071	flat plat bid cor 1 -0.108	end & 2 sides 1 -0.129
parallel sided 1 -0.071	parallel sided 1 -0.108	end & adzing 1 -0.129
pointed 1 -0.071	pointed 1 -0.108	high backed 1 -0.129
thick triangular 1 -0.071	thick triangular 1 -0.108	small backed 1 -0.129
irregular 1 -0.071	irregular 1 -0.108	knife 1 -0.129
parallel sided 1 -0.071	parallel sided 1 -0.108	nat bckd knife 1 -0.129
thick triangular 1 -0.071	thick triangular 1 -0.108	miscellaneous 1 -0.129
irregular 1 -0.071	irregular 1 -0.108	backed bladelet 1 -0.129
distal 1 -0.071	distal 1 -0.108	segment 1 -0.129
medial 1 -0.071	medial 1 -0.108	miscellaneous 1 -0.129
proximal 1 -0.071	proximal 1 -0.108	broken backed 1 -0.129
core rej. flake 1 -0.071	core rej. flake 1 -0.108	adze 1 -0.129
endstruck 30+mm 1 -0.071	endstruck 30+mm 1 -0.108	awl 1 -0.129
endstruck <30mm 1 -0.071	endstruck <30mm 1 -0.108	broken tool 1 -0.129
sidestruck 30+mm 1 -0.071	sidestruck 30+mm 1 -0.108	miscellaneous 1 -0.129
sidestruck <30mm 1 -0.071	sidestruck <30mm 1 -0.108	MSA tool 1 -0.129
endstruck 30+mm 1 -0.071	endstruck 30+mm 1 -0.108	Subtotal 25
endstruck <30mm 1 -0.071	endstruck <30mm 1 -0.108	Categories 25
sidestruck 30+mm 1 -0.071	sidestruck 30+mm 1 -0.108	Diversity -3.219
sidestruck <30mm 1 -0.071	sidestruck <30mm 1 -0.108	Richness 7.455
distal 1 -0.071	distal 1 -0.108	Evenness -1.000
medial 1 -0.071	medial 1 -0.108	
proximal 1 -0.071	proximal 1 -0.108	
end & side 1 -0.071	Subtotal 32	
end & 2 sides 1 -0.071	Categories 32	
naturally backed 1 -0.071	Diversity -3.468	
end 1 -0.071	Richness 8.045	
end & side 1 -0.071	Evenness -1.000	
end & adzing 1 -0.071		
end 1 -0.071		
side 1 -0.071		
end & side 1 -0.071		
end & 2 sides 1 -0.071		
end & adzing 1 -0.071		
high backed 1 -0.071		
small backed 1 -0.071		
knife 1 -0.071		
nat bckd knife 1 -0.071		
miscellaneous 1 -0.071		
backed bladelet 1 -0.071		
segment 1 -0.071		
miscellaneous 1 -0.071		
broken backed 1 -0.071		
adze 1 -0.071		
awl 1 -0.071		
broken tool 1 -0.071		
miscellaneous 1 -0.071		
MSA tool 1 -0.071		
Subtotal 57		
Categories 57		
Diversity -4.043		
Richness 13.851		
Evenness -1.000		

TABLE 46: (cont.)
Ja level

Combined		Non-formal		Formal				
chunk	815	-0.299	chunk	815	-0.302	end & side	1	-0.047
chip	2178	-0.360	chip	2176	-0.358	end & 2 sides	2	-0.080
manuport/module	4	-0.006	manuport/module	4	-0.006	naturally backed	2	-0.080
irregular	102	-0.081	irregular	102	-0.082	end	3	-0.108
bladelet 1 plat	10	-0.013	bladelet 1 plat	10	-0.013	end & side	3	-0.108
bladelet 2 plat	15	-0.018	bladelet 2 plat	15	-0.018	end & adzing	2	-0.080
flat bladelet	14	-0.017	flat bladelet	14	-0.017	end	13	-0.269
core reduc 1 plat	24	-0.028	core reduc 1 plat	24	-0.027	side	1	-0.047
core reduc 2 plat	29	-0.031	core reduc 2 plat	29	-0.031	end & side	2	-0.080
flat plat bld cor	11	-0.014	flat plat bld cor	11	-0.014	end & 2 sides	2	-0.080
parallel sided	1	-0.002	parallel sided	1	-0.002	end & adzing	3	-0.108
pointed	1	-0.002	pointed	1	-0.002	high backed	3	-0.108
thick triangular	7	-0.009	thick triangular	7	-0.010	small backed	1	-0.047
irregular	3	-0.005	irregular	3	-0.005	knife	7	-0.190
parallel sided	18	-0.021	parallel sided	18	-0.021	nat bckd knife	6	-0.172
thick triangular	4	-0.006	thick triangular	4	-0.006	miscellaneous	5	-0.163
irregular	55	-0.051	irregular	55	-0.051	backed bladelet	2	-0.080
distal	20	-0.023	distal	20	-0.023	segment	2	-0.080
medial	4	-0.008	medial	4	-0.008	miscellaneous	2	-0.080
proximal	37	-0.037	proximal	37	-0.038	broken backed	2	-0.080
core red. flake	24	-0.028	core red. flake	24	-0.027	edge	11	-0.247
endstruck 30+mm	8	-0.008	endstruck 30+mm	8	-0.008	awl	1	-0.047
endstruck <30mm	31	-0.032	endstruck <30mm	31	-0.033	broken tool	9	-0.221
sidestruck 30+mm	6	-0.008	sidestruck 30+mm	6	-0.008	miscellaneous	9	-0.221
sidestruck <30mm	42	-0.041	sidestruck <30mm	42	-0.042	MSA tool	3	-0.108
endstruck 30+mm	50	-0.047	endstruck 30+mm	50	-0.048	TOTAL	97	
endstruck <30mm	420	-0.211	endstruck <30mm	420	-0.214	Categories	25	
sidestruck 30+mm	57	-0.052	sidestruck 30+mm	57	-0.053	Diversity		-2.918
sidestruck <30mm	514	-0.237	sidestruck <30mm	514	-0.240	Richness		5.248
distal	73	-0.063	distal	73	-0.064	Evenness		-0.807
medial	54	-0.050	medial	54	-0.051	Diversity/standard		0.907
proximal	148	-0.105	proximal	148	-0.107	Richness/standard		0.704
end & side	1	-0.002	Subtotal	4773		Evenness/standard		0.907
end & 2 sides	2	-0.003	Categories	32				
naturally backed	2	-0.003	Diversity		-1.924			
end	3	-0.005	Richness		3.880			
end & side	3	-0.005	Evenness		-0.555			
end & adzing	2	-0.003	Diversity/standard		0.555			
end	13	-0.016	Richness/standard		0.408			
side	1	-0.002	Evenness/standard		0.555			
end & side	2	-0.003						
end & 2 sides	2	-0.003						
end & adzing	3	-0.005						
high backed	3	-0.005						
small backed	1	-0.002						
knife	7	-0.009						
nat bckd knife	6	-0.008						
miscellaneous	8	-0.007						
backed bladelet	2	-0.003						
segment	2	-0.003						
miscellaneous	2	-0.003						
broken backed	2	-0.003						
edge	11	-0.014						
awl	1	-0.002						
broken tool	9	-0.012						
miscellaneous	8	-0.012						
MSA tool	3	-0.005						
TOTAL	4870							
Categories	67							
Diversity		-2.042						
Richness		5.885						
Evenness		-0.505						
Diversity/standard		0.505						
Richness/standard		0.476						
Evenness/standard		0.605						

TABLE 46: (cont.)
Pt level, standardised

Combined			Non-formal			Formal		
chunk	1	-0.077	chunk	1	-0.132	M end	1	-0.122
chip	1	-0.077	chip	1	-0.132	side	1	-0.122
Core irregular	1	-0.077	Core irregular	1	-0.132	end & 2 sides	1	-0.122
bladelet 1 plat	1	-0.077	bladelet 1 plat	1	-0.132	end & adzing	1	-0.122
bladelet 2 plat	1	-0.077	bladelet 2 plat	1	-0.132	steep	1	-0.122
flat bladelet	1	-0.077	flat bladelet	1	-0.132	S end	1	-0.122
core reduc 1 plat	1	-0.077	core reduc 1 plat	1	-0.132	side	1	-0.122
core reduc 2 plat	1	-0.077	core reduc 2 plat	1	-0.132	end & side	1	-0.122
irregular	1	-0.077	irregular	1	-0.132	end & 2 sides	1	-0.122
S bl, parallel sided	1	-0.077	S bl, parallel sided	1	-0.132	steep	1	-0.122
irregular	1	-0.077	irregular	1	-0.132	L bl, backed	1	-0.122
distal	1	-0.077	distal	1	-0.132	obliquely bok	1	-0.122
medial	1	-0.077	medial	1	-0.132	segment	1	-0.122
proximal	1	-0.077	proximal	1	-0.132	broken bok	1	-0.122
endstruck 30+ mm	1	-0.077	endstruck 30+ mm	1	-0.132	S bl, backed	1	-0.122
endstruck <30mm	1	-0.077	endstruck <30mm	1	-0.132	segment	1	-0.122
sidestruck <30mm	1	-0.077	sidestruck <30mm	1	-0.132	obliquely bok	1	-0.122
endstruck 30+ mm	1	-0.077	endstruck 30+ mm	1	-0.132	miscellaneous	1	-0.122
endstruck <30mm	1	-0.077	endstruck <30mm	1	-0.132	broken backed	1	-0.122
sidestruck 30+ mm	1	-0.077	sidestruck 30+ mm	1	-0.132	adze	1	-0.122
sidestruck <30mm	1	-0.077	sidestruck <30mm	1	-0.132	spokeshave	1	-0.122
distal	1	-0.077	distal	1	-0.132	awl	1	-0.122
medial	1	-0.077	medial	1	-0.132	bar	1	-0.122
proximal	1	-0.077	proximal	1	-0.132	miscellaneous	1	-0.122
M end	1	-0.077	Sub Total	24		MSA tool	1	-0.122
side	1	-0.077	Categories	24		MSA tool recycled	1	-0.122
end & 2 sides	1	-0.077	Diversity		-3.178	broken tool	1	-0.122
end & adzing	1	-0.077	Richness		7.237			
steep	1	-0.077	Evenness		-1.000			
S end	1	-0.077						
side	1	-0.077						
end & side	1	-0.077						
end & 2 sides	1	-0.077						
steep	1	-0.077						
L bl, backed	1	-0.077						
obliquely bok	1	-0.077						
segment	1	-0.077						
broken bok	1	-0.077						
S bl, backed	1	-0.077						
segment	1	-0.077						
obliquely bok	1	-0.077						
miscellaneous	1	-0.077						
broken backed	1	-0.077						
adze	1	-0.077						
spokeshave	1	-0.077						
awl	1	-0.077						
bar	1	-0.077						
miscellaneous	1	-0.077						
MSA tool	1	-0.077						
MSA tool recycled	1	-0.077						
broken tool	1	-0.077						
TOTAL	51							
Categories	51							
Diversity		-3.932						
Richness		12.717						
Evenness		-1.000						

TABLE 46: (cont.)
A2 level, standardised

Combined		Non-formal		Formal	
chunk	1	-0.0642	chunk	1	-0.1083
chip	1	-0.0642	chip	1	-0.1083
Core Irregular	1	-0.0642	Core Irregular	1	-0.1083
bladelet 1 plat	1	-0.0642	bladelet 1 plat	1	-0.1083
bladelet 2 plat	1	-0.0642	bladelet 2 plat	1	-0.1083
flat bladelet	1	-0.0642	flat bladelet	1	-0.1083
blade	1	-0.0642	blade	1	-0.1083
core reduc 1 plat	1	-0.0642	core reduc 1 plat	1	-0.1083
core reduc 2 plat	1	-0.0642	core reduc 2 plat	1	-0.1083
L bl parallel sided	1	-0.0642	L bl parallel sided	1	-0.1083
pointed	1	-0.0642	pointed	1	-0.1083
thick triangular	1	-0.0642	thick triangular	1	-0.1083
irregular	1	-0.0642	irregular	1	-0.1083
S bl parallel sided	1	-0.0642	S bl parallel sided	1	-0.1083
pointed	1	-0.0642	pointed	1	-0.1083
thick triangular	1	-0.0642	thick triangular	1	-0.1083
irregular	1	-0.0642	irregular	1	-0.1083
distal	1	-0.0642	distal	1	-0.1083
medial	1	-0.0642	medial	1	-0.1083
proximal	1	-0.0642	proximal	1	-0.1083
core rejl. flake	1	-0.0642	core rejl. flake	1	-0.1083
endstruck 30+mm	1	-0.0642	endstruck 30+mm	1	-0.1083
endstruck <30mm	1	-0.0642	endstruck <30mm	1	-0.1083
sidestruck 30+mm	1	-0.0642	sidestruck 30+mm	1	-0.1083
sidestruck <30mm	1	-0.0642	sidestruck <30mm	1	-0.1083
endstruck 30+mm	1	-0.0642	endstruck 30+mm	1	-0.1083
endstruck <30mm	1	-0.0642	endstruck <30mm	1	-0.1083
sidestruck 30+mm	1	-0.0642	sidestruck 30+mm	1	-0.1083
sidestruck <30mm	1	-0.0642	sidestruck <30mm	1	-0.1083
distal	1	-0.0642	distal	1	-0.1083
medial	1	-0.0642	medial	1	-0.1083
proximal	1	-0.0642	proximal	1	-0.1083
L and	1	-0.0642	L and	1	-0.1083
side	1	-0.0642	side	1	-0.1083
end & adzing	1	-0.0642	end & adzing	1	-0.1083
M and	1	-0.0642	M and	1	-0.1083
side	1	-0.0642	side	1	-0.1083
end & side	1	-0.0642	end & side	1	-0.1083
end & 2 sides	1	-0.0642	end & 2 sides	1	-0.1083
end & adzing	1	-0.0642	end & adzing	1	-0.1083
steep	1	-0.0642	steep	1	-0.1083
med backed	1	-0.0642	med backed	1	-0.1083
S and	1	-0.0642	S and	1	-0.1083
side	1	-0.0642	side	1	-0.1083
end & side	1	-0.0642	end & side	1	-0.1083
end & 2 sides	1	-0.0642	end & 2 sides	1	-0.1083
end & adzing	1	-0.0642	end & adzing	1	-0.1083
small backed	1	-0.0642	small backed	1	-0.1083
L bl. backed	1	-0.0642	L bl. backed	1	-0.1083
segment	1	-0.0642	segment	1	-0.1083
misc backed	1	-0.0642	misc backed	1	-0.1083
broken backed	1	-0.0642	broken backed	1	-0.1083
S bl. backed	1	-0.0642	S bl. backed	1	-0.1083
bl. bl. backed	1	-0.0642	bl. bl. backed	1	-0.1083
segment	1	-0.0642	segment	1	-0.1083
miscellaneous	1	-0.0642	miscellaneous	1	-0.1083
broken backed	1	-0.0642	broken backed	1	-0.1083
adze	1	-0.0642	adze	1	-0.1083
spokeshave	1	-0.0642	spokeshave	1	-0.1083
awl	1	-0.0642	awl	1	-0.1083
borer	1	-0.0642	borer	1	-0.1083
broken tool	1	-0.0642	broken tool	1	-0.1083
miscellaneous	1	-0.0642	miscellaneous	1	-0.1083
MSA tool	1	-0.0642	MSA tool	1	-0.1083
MSA tool recycled	1	-0.0642	MSA tool recycled	1	-0.1083
TOTAL	66		TOTAL	66	
Categories	66		Categories	66	
Diversity		-4.1744	Diversity		-4.1744
Richness		15.3916	Richness		15.3916
Evenness		-1.0000	Evenness		-1.0000

TABLE 46: (cont)
Ph Level

Combined			Non-formal			Formal		
chunk	159	-0.270	chunk	159	-0.272	end & 2 sides	1	-0.150
chip	494	-0.385	chip	494	-0.364	end	1	-0.150
irregular	24	-0.079	irregular	24	-0.080	side	2	-0.230
bladelet 1 plat	8	-0.034	bladelet 1 plat	8	-0.034	end & side	1	-0.150
bladelet 2 plat	9	-0.037	bladelet 2 plat	9	-0.038	end & 2 sides	1	-0.150
flat bladelet	5	-0.023	flat bladelet	5	-0.023	end & adzing	1	-0.150
core reduc 1 plat	3	-0.015	core reduc 1 plat	3	-0.015	vent ret bladelet	1	-0.150
core reduc 2 plat	4	-0.019	core reduc 2 plat	4	-0.020	adze	5	-0.347
thick triangular	1	-0.006	thick triangular	1	-0.006	broken tool	4	-0.322
irregular	9	-0.037	irregular	9	-0.036	miscellaneous	2	-0.230
parallel sided	5	-0.023	parallel sided	5	-0.023	MSA tool	1	-0.150
pointed	4	-0.019	pointed	4	-0.020	Sub Total	20	
thick triangular	6	-0.027	thick triangular	6	-0.027	Categories	11	
irregular	17	-0.061	irregular	17	-0.062	Diversity		-2.177
distal	5	-0.023	distal	5	-0.023	Richness		3.338
medial	6	-0.027	medial	6	-0.027	Evenness		-0.908
proximal	12	-0.047	proximal	12	-0.047	Diversity/standard		0.908
core ref. flake	2	-0.011	core ref. flake	2	-0.011	Richness/standard		0.800
endstruck 30+mm	2	-0.011	endstruck 30+mm	2	-0.011	Evenness/standard		0.608
endstruck <30mm	7	-0.030	endstruck <30mm	7	-0.031			
sidestruck 30+mm	1	-0.006	sidestruck 30+mm	1	-0.006			
sidestruck <30mm	3	-0.015	sidestruck <30mm	3	-0.015			
endstruck 30+mm	14	-0.053	endstruck 30+mm	14	-0.053			
endstruck <30mm	132	-0.245	endstruck <30mm	132	-0.247			
sidestruck 30+mm	7	-0.030	sidestruck 30+mm	7	-0.031			
sidestruck <30mm	179	-0.286	sidestruck <30mm	179	-0.288			
distal	11	-0.044	distal	11	-0.044			
medial	18	-0.064	medial	18	-0.065			
proximal	15	-0.055	proximal	15	-0.056			
end & 2 sides	1	-0.006	Sub Total	1182				
end	1	-0.006	Categories	29				
side	2	-0.011	Diversity		-1.978			
end & side	1	-0.006	Richness		3.087			
end & 2 sides	1	-0.006	Evenness		-0.587			
end & adzing	1	-0.006	Diversity/standard		0.587			
vent ret bladelet	1	-0.006	Richness/standard		0.477			
adze	5	-0.023	Evenness/standard		0.587			
broken tool	4	-0.019						
miscellaneous	2	-0.011						
MSA tool	1	-0.006						
TOTAL	1182							
Categories	40							
Diversity		-2.087						
Richness		5.512						
Evenness		-0.560						
Diversity/standard		0.560						
Richness/standard		0.521						
Evenness/standard		0.860						

TABLE 46: (cont.)
Ja level

44 Combined				Formal			
Non-formal		Formal		Non-formal		Formal	
chunk	25	-0.282	chunk	21	-0.282	end	-0.282
chip	78	-0.327	chip	70	-0.327	side	-0.327
irregular	1	-0.035	irregular	1	-0.035	knife	-0.035
core rebar 2 plat	1	-0.035	core rebar 2 plat	1	-0.035	miscellaneous	-0.035
irregular	1	-0.035	irregular	1	-0.035	miscellaneous	-0.035
core rebar like	1	-0.035	core rebar like	1	-0.035	Subtotal	5
endstuck 30+mm	1	-0.035	endstuck 30+mm	1	-0.035	Diversity	-1.000
endstuck <30mm	18	-0.248	endstuck <30mm	18	-0.248	Richness	2.405
sidestuck <30mm	8	-0.173	sidestuck <30mm	8	-0.173	Evenness	-1.000
distal	2	-0.060	distal	2	-0.060	Richness/standard	1.000
medial	1	-0.035	medial	1	-0.035	Richness/standard	1.000
proximal	3	-0.118	proximal	3	-0.118	Richness/standard	1.000
end	1	-0.035	end	1	-0.035	Subtotal	12
side	1	-0.035	side	1	-0.035	Diversity	-1.400
knife	1	-0.035	knife	1	-0.035	Richness	2.405
miscellaneous	1	-0.035	miscellaneous	1	-0.035	Evenness	-1.000
miscellaneous	1	-0.035	miscellaneous	1	-0.035	Subtotal	142
Diversity		-0.212	Diversity/standard		-0.212	Richness/standard	0.870
Richness		3.230	Richness/standard		3.230	Evenness/standard	0.870
Evenness		1.078	Evenness/standard		1.078		
Diversity/standard		0.855					
Richness/standard		0.872					
Evenness/standard		0.855					

45 Combined				Formal			
Non-formal		Formal		Non-formal		Formal	
chunk	2	-0.102	chunk	8	-0.203	naturally backed	-0.278
chip	34	-0.047	chip	34	-0.047	end & side	-0.278
distal	1	-0.009	distal	1	-0.009	end	-0.278
core rebar like	1	-0.002	core rebar like	1	-0.002	high backed	-0.278
endstuck <30mm	7	-0.234	endstuck <30mm	7	-0.234	backed bladelet	-0.278
sidestuck <30mm	3	-0.104	sidestuck <30mm	3	-0.104	adze	-0.278
distal	2	-0.210	distal	2	-0.210	broken tool	-0.278
proximal	4	-0.187	proximal	4	-0.187	Subtotal	7
naturally backed	1	-0.082	naturally backed	1	-0.082	Diversity	-1.440
end & side	1	-0.082	end & side	1	-0.082	Richness	3.093
end	1	-0.082	end	1	-0.082	Evenness	-1.000
high backed	1	-0.082	high backed	1	-0.082	Diversity/standard	1.000
backed bladelet	1	-0.082	backed bladelet	1	-0.082	Richness/standard	1.000
adze	1	-0.082	adze	1	-0.082	Evenness/standard	1.000
broken tool	1	-0.082	broken tool	1	-0.082	Subtotal	18
Diversity		-1.020	Diversity		-1.020	Richness	3.170
Richness		3.110	Richness		3.110	Evenness	-1.000
Evenness		-0.093	Evenness		-0.093		
Diversity/standard		0.883	Diversity/standard		0.883		
Richness/standard		0.888	Richness/standard		0.888		
Evenness/standard		0.893	Evenness/standard		0.893		

46 Combined				Formal			
Non-formal		Formal		Non-formal		Formal	
chunk	1	-0.187	chunk	1	-0.187	end	-0.282
chip	1	-0.187	chip	1	-0.187	side	-0.327
irregular	1	-0.187	irregular	1	-0.187	knife	-0.035
core rebar 2 plat	1	-0.187	core rebar 2 plat	1	-0.187	miscellaneous	-0.035
irregular	1	-0.187	irregular	1	-0.187	miscellaneous	-0.035
core rebar like	1	-0.187	core rebar like	1	-0.187	Subtotal	5
endstuck 30+mm	1	-0.187	endstuck 30+mm	1	-0.187	Diversity	-1.000
endstuck <30mm	1	-0.187	endstuck <30mm	1	-0.187	Richness	2.405
sidestuck <30mm	1	-0.187	sidestuck <30mm	1	-0.187	Evenness	-1.000
distal	1	-0.187	distal	1	-0.187	Richness/standard	1.000
medial	1	-0.187	medial	1	-0.187	Richness/standard	1.000
proximal	1	-0.187	proximal	1	-0.187	Subtotal	12
end	1	-0.187	end	1	-0.187	Diversity	-2.405
side	1	-0.187	side	1	-0.187	Richness	4.405
knife	1	-0.187	knife	1	-0.187	Evenness	-1.000
miscellaneous	1	-0.187	miscellaneous	1	-0.187	Subtotal	17
miscellaneous	1	-0.187	miscellaneous	1	-0.187	Diversity	-0.855
Diversity		-0.855	Diversity		-0.855	Richness	5.847
Richness		5.847	Richness		5.847	Evenness	-1.353
Evenness		-1.353	Evenness		-1.353		

47 Combined				Formal			
Non-formal		Formal		Non-formal		Formal	
chunk	1	-0.187	chunk	1	-0.187	naturally backed	-0.278
chip	1	-0.187	chip	1	-0.187	end & side	-0.278
distal	1	-0.187	distal	1	-0.187	end	-0.278
core rebar like	1	-0.187	core rebar like	1	-0.187	high backed	-0.278
endstuck <30mm	1	-0.187	endstuck <30mm	1	-0.187	backed bladelet	-0.278
sidestuck <30mm	1	-0.187	sidestuck <30mm	1	-0.187	adze	-0.278
distal	1	-0.187	distal	1	-0.187	broken tool	-0.278
proximal	1	-0.187	proximal	1	-0.187	Subtotal	7
naturally backed	1	-0.187	naturally backed	1	-0.187	Diversity	-1.440
end & side	1	-0.187	end & side	1	-0.187	Richness	3.093
end	1	-0.187	end	1	-0.187	Evenness	-1.000
high backed	1	-0.187	high backed	1	-0.187	Diversity/standard	1.000
backed bladelet	1	-0.187	backed bladelet	1	-0.187	Richness/standard	1.000
adze	1	-0.187	adze	1	-0.187	Evenness/standard	1.000
broken tool	1	-0.187	broken tool	1	-0.187	Subtotal	18
Diversity		-2.703	Diversity		-2.703	Richness	3.093
Richness		3.170	Richness		3.170	Evenness	-1.000
Evenness		-1.000	Evenness		-1.000		

TABLE 46: (cont.)
Ja level

Ja		Non-formal		Formal	
Combined					
shunk	11	-0.203	shunk	11	-0.273
chip	34	-0.307	chip	34	-0.384
irregular	1	-0.052	irregular	1	-0.055
bladelet 1 plat	1	-0.082	bladelet 1 plat	1	-0.085
core radius 2 plat	1	-0.058	core radius 2 plat	1	-0.055
medial	1	-0.052	medial	1	-0.055
proximal	2	-0.007	proximal	2	-0.002
endstruck <30mm	2	-0.007	endstruck <30mm	2	-0.002
endstruck <50mm	6	-0.221	endstruck <50mm	6	-0.250
endstruck 30+mm	1	-0.058	endstruck 30+mm	1	-0.055
endstruck <30mm	12	-0.278	endstruck <30mm	12	-0.285
distal	1	-0.002	distal	1	-0.005
medial	3	-0.117	medial	3	-0.123
proximal	2	-0.007	proximal	2	-0.002
end	1	-0.002	end	1	-0.002
end & side	1	-0.002	end & side	1	-0.002
end & 2 sides	1	-0.002	end & 2 sides	1	-0.002
end & notching	1	-0.002	end & notching	1	-0.002
miscellaneous	1	-0.002	miscellaneous	1	-0.002
Total	60		Total	60	
Diversity		-2.127	Diversity		-1.800
Richness		4.203	Richness		2.007
Evenness		-0.710	Evenness		-0.712
Diversity/standard		0.710	Diversity/standard		0.712
Richness/standard		0.973	Richness/standard		0.602
Evenness/standard		0.710	Evenness/standard		0.712

Ja		Non-formal		Formal	
Combined					
shunk	1	-0.150	shunk	1	-0.180
chip	1	-0.150	chip	1	-0.180
irregular	1	-0.150	irregular	1	-0.180
bladelet 1 plat	1	-0.150	bladelet 1 plat	1	-0.180
core radius 2 plat	1	-0.150	core radius 2 plat	1	-0.180
medial	1	-0.150	medial	1	-0.180
proximal	1	-0.150	proximal	1	-0.180
endstruck <30mm	1	-0.150	endstruck <30mm	1	-0.180
endstruck <50mm	1	-0.150	endstruck <50mm	1	-0.180
endstruck 30+mm	1	-0.150	endstruck 30+mm	1	-0.180
endstruck <30mm	1	-0.150	endstruck <30mm	1	-0.180
distal	1	-0.150	distal	1	-0.180
medial	1	-0.150	medial	1	-0.180
proximal	1	-0.150	proximal	1	-0.180
end	1	-0.150	end	1	-0.180
end & side	1	-0.150	end & side	1	-0.180
end & 2 sides	1	-0.150	end & 2 sides	1	-0.180
end & notching	1	-0.150	end & notching	1	-0.180
miscellaneous	1	-0.150	miscellaneous	1	-0.180
Total	20		Total	20	
Diversity		-2.000	Diversity		-2.000
Richness		0.342	Richness		0.342
Evenness		-1.000	Evenness		-1.000

TABLE 46: (cont.)
Ja level

K5 Combined		Non-formal		Formal		and & side	
chunk	87	-0.307	chunk	87	-0.308	and & side	1
chip	180	-0.304	chip	180	-0.304	and	2
irregular	0	-0.038	irregular	0	-0.033	knife	1
bladelet 1 plat	1	-0.018	bladelet 1 plat	1	-0.018	size	2
bladelet 2 plat	1	-0.018	bladelet 2 plat	1	-0.018 Subtotal		8
flat bladelet	1	-0.018	flat bladelet	1	-0.018		
core reduce 1 plat	1	-0.018	core reduce 1 plat	1	-0.018 Diversity		-1.330
core reduce 2 plat	2	-0.028	core reduce 2 plat	2	-0.028 Richness		1.074
thick triangular	1	-0.018	thick triangular	1	-0.018 Evenness		-0.858
parallel sided	2	-0.020	parallel sided	2	-0.020 Diversity/standard		0.659
thick triangular	1	-0.018	thick triangular	1	-0.018 Evenness/standard		0.774
irregular	2	-0.020	irregular	2	-0.020 Evenness/standard		0.650
distal	1	-0.018	distal	1	-0.018		
proximal	0	-0.038	proximal	0	-0.037		
core red. flake	2	-0.028	core red. flake	2	-0.028		
underside <30mm	1	-0.018	underside <30mm	1	-0.018		
underside 30+mm	1	-0.018	underside 30+mm	1	-0.018		
underside <30mm	7	-0.074	underside <30mm	7	-0.076		
underside 30+mm	8	-0.087	underside 30+mm	8	-0.088		
underside <30mm	20	-0.197	underside <30mm	20	-0.199		
underside 30+mm	11	-0.103	underside 30+mm	11	-0.104		
underside <30mm	47	-0.230	underside <30mm	47	-0.232		
distal	7	-0.074	distal	7	-0.075		
medial	4	-0.048	medial	4	-0.044		
proximal	5	-0.087	proximal	5	-0.088		
and & side	1	-0.018 Subtotal		371			
end	2	-0.028					
knife	1	-0.018 Diversity		-1.988			
size	2	-0.028 Richness		4.087			
Total	377			-0.008			
				0.808			
Diversity		-0.003		0.844			
Richness		-0.003		0.808			
Evenness		-0.003					
Diversity/standard		0.808					
Richness/standard		0.808					
Evenness/standard		0.808					

K5 Combined		Non-formal		Formal		and & side	
chunk	1	-0.118	chunk	1	-0.120	and & side	1
chip	1	-0.118	chip	1	-0.120	and	1
irregular	1	-0.118	irregular	1	-0.120	knife	1
bladelet 1 plat	1	-0.118	bladelet 1 plat	1	-0.120	size	1
bladelet 2 plat	1	-0.118	bladelet 2 plat	1	-0.120 Subtotal		
flat bladelet	1	-0.118	flat bladelet	1	-0.120		
core reduce 1 plat	1	-0.118	core reduce 1 plat	1	-0.120 Diversity		-1.388
core reduce 2 plat	1	-0.118	core reduce 2 plat	1	-0.120 Richness		2.184
thick triangular	1	-0.118	thick triangular	1	-0.120 Evenness		-1.000
parallel sided	1	-0.118	parallel sided	1	-0.120		
thick triangular	1	-0.118	thick triangular	1	-0.120		
irregular	1	-0.118	irregular	1	-0.120		
distal	1	-0.118	distal	1	-0.120		
proximal	1	-0.118	proximal	1	-0.120		
core red. flake	1	-0.118	core red. flake	1	-0.120		
underside <30mm	1	-0.118	underside <30mm	1	-0.120		
underside 30+mm	1	-0.118	underside 30+mm	1	-0.120		
underside <30mm	1	-0.118	underside <30mm	1	-0.120		
underside 30+mm	1	-0.118	underside 30+mm	1	-0.120		
underside <30mm	1	-0.118	underside <30mm	1	-0.120		
underside 30+mm	1	-0.118	underside 30+mm	1	-0.120		
underside <30mm	1	-0.118	underside <30mm	1	-0.120		
distal	1	-0.118	distal	1	-0.120		
medial	1	-0.118	medial	1	-0.120		
proximal	1	-0.118	proximal	1	-0.120		
and & side	1	-0.118 Subtotal		28			
end	1	-0.118					
knife	1	-0.118 Diversity		-3.210			
size	1	-0.118 Richness		7.480			
Total	28			-1.000			
Diversity		-3.367					
Richness		8.318					
Evenness		-1.000					

TABLE 46: (cont.)
Ja level

K4 Combined			Non-formal		Formal				
shunk	111	-0.300	chunk	111	-0.310	end	1	-0.230	
chip	250	-0.305	chip	250	-0.304	end & adzing	2	-0.322	
irregular	10	-0.007	irregular	10	-0.008	not bckd knife	2	-0.322	
bladelet 1 plat	1	-0.010	bladelet 1 plat	1	-0.011	miscellaneous	1	-0.230	
bladelet 2 plat	2	-0.010	bladelet 2 plat	2	-0.010	adze	2	-0.322	
ret bladelet	1	-0.010	ret bladelet	1	-0.011	broken tool	1	-0.230	
core reduc 1 plat	2	-0.010	core reduc 1 plat	2	-0.010	miscellaneous	1	-0.230	
core reduc 2 plat	3	-0.008	core reduc 2 plat	3	-0.008 Subtotal		10		
thick triangular	1	-0.010	thick triangular	1	-0.011				
parallel edged	3	-0.008	parallel edged	3	-0.008 Diversity		-1.007		
thick triangular	1	-0.010	thick triangular	1	-0.011 Richness		2.000		
irregular	13	-0.001	irregular	13	-0.002 Evenness		-0.070		
distal	2	-0.010	distal	2	-0.010 Diversity/standard		0.070		
proximal	2	-0.010	proximal	2	-0.010 Richness/standard		0.045		
core red. like	0	-0.045	core red. like	0	-0.045 Evenness/standard		0.070		
endstruck 30+mm	1	-0.010	endstruck 30+mm	1	-0.011				
endstruck 30+mm	1	-0.010	endstruck 30+mm	1	-0.011				
endstruck <30mm	4	-0.033	endstruck <30mm	4	-0.033				
endstruck 30+mm	17	-0.000	endstruck 30+mm	17	-0.100				
endstruck <30mm	02	-0.231	endstruck <30mm	02	-0.233				
endstruck 30+mm	10	-0.007	endstruck 30+mm	10	-0.008				
endstruck <30mm	04	-0.235	endstruck <30mm	04	-0.237				
distal	12	-0.077	distal	12	-0.077				
medial	4	-0.033	medial	4	-0.033				
proximal	10	-0.107	proximal	10	-0.108				
end	1	-0.010 Subtotal	end	000					
end & adzing	2	-0.010							
not bckd knife	2	-0.010 Diversity			-1.000				
miscellaneous	1	-0.010 Richness			0.744				
adze	2	-0.010 Evenness			-0.008				
broken tool	1	-0.010 Diversity/standard			0.008				
miscellaneous	1	-0.010 Richness/standard			0.002				
Total	010	-2.032 Evenness/standard			0.006				
Diversity		-2.032							
Richness		4.524							
Evenness		-0.506							
Diversity/standard		0.006							
Richness/standard		0.506							
Evenness/standard		0.500							

K4 Combined			Non-formal		Formal				
shunk	1	-0.100	chunk	1	-0.100	end	1	-0.230	
chip	1	-0.100	chip	1	-0.100	end & adzing	1	-0.378	
irregular	1	-0.100	irregular	1	-0.100	not bckd knife	1	-0.278	
bladelet 1 plat	1	-0.100	bladelet 1 plat	1	-0.100	miscellaneous	1	-0.278	
bladelet 2 plat	1	-0.100	bladelet 2 plat	1	-0.100	adze	1	-0.278	
ret bladelet	1	-0.100	ret bladelet	1	-0.100	broken tool	1	-0.278	
core reduc 1 plat	1	-0.100	core reduc 1 plat	1	-0.100	miscellaneous	1	-0.278	
core reduc 2 plat	1	-0.100	core reduc 2 plat	1	-0.100 Subtotal		7		
thick triangular	1	-0.100	thick triangular	1	-0.100				
parallel edged	1	-0.100	parallel edged	1	-0.100 Diversity		-1.040		
thick triangular	1	-0.100	thick triangular	1	-0.100 Richness		0.083		
irregular	1	-0.100	irregular	1	-0.100 Evenness		-1.000		
distal	1	-0.100	distal	1	-0.100				
proximal	1	-0.100	proximal	1	-0.100				
core red. like	1	-0.100	core red. like	1	-0.100				
endstruck 30+mm	1	-0.100	endstruck 30+mm	1	-0.100				
endstruck 30+mm	1	-0.100	endstruck 30+mm	1	-0.100				
endstruck <30mm	1	-0.100	endstruck <30mm	1	-0.100				
endstruck 30+mm	1	-0.100	endstruck 30+mm	1	-0.100				
endstruck <30mm	1	-0.100	endstruck <30mm	1	-0.100				
endstruck 30+mm	1	-0.100	endstruck 30+mm	1	-0.100				
endstruck <30mm	1	-0.100	endstruck <30mm	1	-0.100				
distal	1	-0.100	distal	1	-0.100				
medial	1	-0.100	medial	1	-0.100				
proximal	1	-0.100	proximal	1	-0.100				
end	1	-0.100 Subtotal	end	26					
end & adzing	1	-0.100							
not bckd knife	1	-0.100 Diversity			-3.218				
miscellaneous	1	-0.100 Richness			7.400				
adze	1	-0.100 Evenness			-1.000				
broken tool	1	-0.100							
miscellaneous	1	-0.100							
Total	32	-3.480							
Diversity		-3.480							
Richness		0.046							
Evenness		-1.000							

TABLE 46: (cont.)
Ja level

K3		Non-formal		Formal			
Combined							
chunk	83	-0.208	chunk	83	-0.287	end	1
chip	150	-0.381	chip	150	-0.349	end & adzing	1
irregular	0	-0.074	irregular	0	-0.074	adze	2
bladelet 1 plat	1	-0.018	bladelet 1 plat	1	-0.018	MSA tool	1
bladelet 2 plat	2	-0.031	bladelet 2 plat	2	-0.032	Subtotal	5
core radius 1 plat	3	-0.043	core radius 1 plat	3	-0.044		
core radius 2 plat	4	-0.084	core radius 2 plat	4	-0.085	Diversity	-1.322
parallel sided	3	-0.043	parallel sided	3	-0.044	Richness	1.004
thick triangular	1	-0.018	thick triangular	1	-0.018	Evenness	-0.081
irregular	0	-0.074	irregular	0	-0.074	Diversity/standard	0.081
discal	1	-0.018	discal	1	-0.018	Richness/standard	0.081
medial	1	-0.018	medial	1	-0.018	Evenness/standard	0.081
proximal	4	-0.064	proximal	4	-0.065		
core ref. fluke	2	-0.031	core ref. fluke	2	-0.032		
endstruck 30+mm	1	-0.018	endstruck 30+mm	1	-0.018		
endstruck <30mm	4	-0.064	endstruck <30mm	4	-0.065		
sidestruck <30mm	1	-0.018	sidestruck <30mm	1	-0.018		
endstruck 30+mm	1	-0.018	endstruck 30+mm	1	-0.018		
endstruck <30mm	24	-0.182	endstruck <30mm	24	-0.184		
sidestruck 30+mm	1	-0.018	sidestruck 30+mm	1	-0.018		
sidestruck <30mm	33	-0.332	sidestruck <30mm	33	-0.334		
discal	1	-0.018	discal	1	-0.018		
medial	5	-0.064	medial	5	-0.065		
proximal	5	-0.064	proximal	5	-0.065		
end	1	-0.018	Subtotal	321			
end & adzing	1	-0.018					
adze	2	-0.031	Diversity	-1.322			
MSA tool	1	-0.018	Richness	3.004			
Total	320		Evenness	-0.075			
Diversity		-1.321	Diversity/standard	0.076			
Richness		4.005	Evenness/standard	0.078			
Evenness		-0.075					
Diversity/standard		0.076					
Richness/standard		0.076					
Evenness/standard		0.076					

K3		Non-formal		Formal			
Combined							
chunk	1	-0.118	chunk	1	-0.132	end	1
chip	1	-0.118	chip	1	-0.132	end & adzing	1
irregular	1	-0.118	irregular	1	-0.132	adze	1
bladelet 1 plat	1	-0.118	bladelet 1 plat	1	-0.132	MSA tool	1
bladelet 2 plat	1	-0.118	bladelet 2 plat	1	-0.132	Subtotal	4
core radius 1 plat	1	-0.118	core radius 1 plat	1	-0.132		
core radius 2 plat	1	-0.118	core radius 2 plat	1	-0.132	Diversity	-1.380
parallel sided	1	-0.118	parallel sided	1	-0.132	Richness	2.164
thick triangular	1	-0.118	thick triangular	1	-0.132	Evenness	-1.000
irregular	1	-0.118	irregular	1	-0.132		
discal	1	-0.118	discal	1	-0.132		
medial	1	-0.118	medial	1	-0.132		
proximal	1	-0.118	proximal	1	-0.132		
core ref. fluke	1	-0.118	core ref. fluke	1	-0.132		
endstruck 30+mm	1	-0.118	endstruck 30+mm	1	-0.132		
endstruck <30mm	1	-0.118	endstruck <30mm	1	-0.132		
sidestruck <30mm	1	-0.118	sidestruck <30mm	1	-0.132		
endstruck 30+mm	1	-0.118	endstruck 30+mm	1	-0.132		
endstruck <30mm	1	-0.118	endstruck <30mm	1	-0.132		
sidestruck 30+mm	1	-0.118	sidestruck 30+mm	1	-0.132		
sidestruck <30mm	1	-0.118	sidestruck <30mm	1	-0.132		
discal	1	-0.118	discal	1	-0.132		
medial	1	-0.118	medial	1	-0.132		
proximal	1	-0.118	proximal	1	-0.132		
end	1	-0.118	Subtotal	24			
end & adzing	1	-0.118					
adze	1	-0.118	Diversity	-3.170			
MSA tool	1	-0.118	Richness	7.837			
Total	20		Evenness	-1.000			
Diversity		-3.332					
Richness		8.103					
Evenness		-1.000					

TABLE 46: (cont.)
Ja level

LB Combined				Non-formal				Formal				end			
chunk	52	-0.298		chunk	52	-0.298		chunk	52	-0.298		end	1	-0.230	
chip	180	-0.298		chip	180	-0.298		chip	180	-0.298		end & 2 sides	1	-0.230	
manuport/nodule	2	-0.030		manuport/nodule	2	-0.030		manuport/nodule	2	-0.030		high backed	1	-0.230	
irregular	4	-0.059		irregular	4	-0.059		irregular	4	-0.059		not back knife	1	-0.230	
bladelet 2 plat	2	-0.030		bladelet 2 plat	2	-0.030		bladelet 2 plat	2	-0.030		segment	1	-0.230	
flat bladelet	2	-0.030		flat bladelet	2	-0.030		flat bladelet	2	-0.030		awl	1	-0.230	
core radius 1 plat	1	-0.017		core radius 1 plat	1	-0.017		core radius 1 plat	1	-0.017		broken tool	2	-0.232	
core radius 2 plat	2	-0.030		core radius 2 plat	2	-0.030		core radius 2 plat	2	-0.030		MSA tool	2	-0.232	
flat plat/bld cor	3	-0.041		flat plat/bld cor	3	-0.041		flat plat/bld cor	3	-0.041		Subtotal	10		
pointed	1	-0.017		pointed	1	-0.017		pointed	1	-0.017					
thick triangular	1	-0.017		thick triangular	1	-0.017		thick triangular	1	-0.017		Diversity		-2.025	
irregular	1	-0.017		irregular	1	-0.017		irregular	1	-0.017		Richness		3.040	
irregular	3	-0.041		irregular	3	-0.041		irregular	3	-0.041		Evenness		0.974	
distal	2	-0.030		distal	2	-0.030		distal	2	-0.030		Diversity/standard		0.074	
medial	1	-0.017		medial	1	-0.017		medial	1	-0.017		Richness/standard		0.803	
proximal	3	-0.041		proximal	3	-0.041		proximal	3	-0.041		Evenness/standard		0.974	
core ref. flake	3	-0.041		core ref. flake	3	-0.041		core ref. flake	3	-0.041					
endstruck <30mm	1	-0.017		endstruck <30mm	1	-0.017		endstruck <30mm	1	-0.017					
sidestruck <30mm	1	-0.017		sidestruck <30mm	1	-0.017		sidestruck <30mm	1	-0.017					
endstruck 30+mm	3	-0.041		endstruck 30+mm	3	-0.041		endstruck 30+mm	3	-0.041					
sidestruck <30mm	20	-0.106		sidestruck <30mm	20	-0.106		sidestruck <30mm	20	-0.106					
sidestruck 30+mm	5	-0.081		sidestruck 30+mm	5	-0.081		sidestruck 30+mm	5	-0.081					
sidestruck <30mm	30	-0.238		sidestruck <30mm	30	-0.238		sidestruck <30mm	30	-0.238					
distal	5	-0.081		distal	5	-0.081		distal	5	-0.081					
medial	4	-0.068		medial	4	-0.068		medial	4	-0.068					
proximal	20	-0.106		proximal	20	-0.106		proximal	20	-0.106					
end	1	-0.017		end	1	-0.017		end	1	-0.017		Subtotal	330		
end & 2 sides	1	-0.017		end & 2 sides	1	-0.017		end & 2 sides	1	-0.017					
high backed	1	-0.017		high backed	1	-0.017		high backed	1	-0.017		Diversity		-1.034	
not back knife	1	-0.017		not back knife	1	-0.017		not back knife	1	-0.017		Richness		0.898	
segment	1	-0.017		segment	1	-0.017		segment	1	-0.017		Evenness		-0.894	
awl	1	-0.017		awl	1	-0.017		awl	1	-0.017		Diversity/standard		0.364	
broken tool	2	-0.030		broken tool	2	-0.030		broken tool	2	-0.030		Richness/standard		0.803	
MSA tool	2	-0.030		MSA tool	2	-0.030		MSA tool	2	-0.030		Evenness/standard		0.904	
Total	348			Total	348			Total	348						
Diversity		-2.007		Diversity		-2.007		Diversity		-2.007					
Richness		0.844		Richness		0.844		Richness		0.844					
Evenness		-0.568		Evenness		-0.568		Evenness		-0.568					
Diversity/standard		0.880		Diversity/standard		0.880		Diversity/standard		0.880					
Richness/standard		0.803		Richness/standard		0.803		Richness/standard		0.803					
Evenness/standard		0.804		Evenness/standard		0.804		Evenness/standard		0.804					

LB Combined				Non-formal				Formal				end			
chunk	1	-0.104		chunk	1	-0.104		chunk	1	-0.104		end	1	-0.230	
chip	1	-0.104		chip	1	-0.104		chip	1	-0.104		end & 2 sides	1	-0.230	
manuport/nodule	1	-0.104		manuport/nodule	1	-0.104		manuport/nodule	1	-0.104		high backed	1	-0.230	
irregular	1	-0.104		irregular	1	-0.104		irregular	1	-0.104		not back knife	1	-0.230	
bladelet 2 plat	1	-0.104		bladelet 2 plat	1	-0.104		bladelet 2 plat	1	-0.104		segment	1	-0.230	
flat bladelet	1	-0.104		flat bladelet	1	-0.104		flat bladelet	1	-0.104		awl	1	-0.230	
core radius 1 plat	1	-0.104		core radius 1 plat	1	-0.104		core radius 1 plat	1	-0.104		broken tool	1	-0.230	
core radius 2 plat	1	-0.104		core radius 2 plat	1	-0.104		core radius 2 plat	1	-0.104		MSA tool	1	-0.230	
flat plat/bld cor	1	-0.104		flat plat/bld cor	1	-0.104		flat plat/bld cor	1	-0.104		Subtotal	8		
pointed	1	-0.104		pointed	1	-0.104		pointed	1	-0.104					
thick triangular	1	-0.104		thick triangular	1	-0.104		thick triangular	1	-0.104		Diversity		-2.079	
irregular	1	-0.104		irregular	1	-0.104		irregular	1	-0.104		Richness		3.008	
irregular	1	-0.104		irregular	1	-0.104		irregular	1	-0.104		Evenness		-1.000	
distal	1	-0.104		distal	1	-0.104		distal	1	-0.104					
medial	1	-0.104		medial	1	-0.104		medial	1	-0.104					
proximal	1	-0.104		proximal	1	-0.104		proximal	1	-0.104					
core ref. flake	1	-0.104		core ref. flake	1	-0.104		core ref. flake	1	-0.104					
endstruck <30mm	1	-0.104		endstruck <30mm	1	-0.104		endstruck <30mm	1	-0.104					
sidestruck <30mm	1	-0.104		sidestruck <30mm	1	-0.104		sidestruck <30mm	1	-0.104					
endstruck 30+mm	1	-0.104		endstruck 30+mm	1	-0.104		endstruck 30+mm	1	-0.104					
sidestruck <30mm	1	-0.104		sidestruck <30mm	1	-0.104		sidestruck <30mm	1	-0.104					
sidestruck 30+mm	1	-0.104		sidestruck 30+mm	1	-0.104		sidestruck 30+mm	1	-0.104					
sidestruck <30mm	1	-0.104		sidestruck <30mm	1	-0.104		sidestruck <30mm	1	-0.104					
distal	1	-0.104		distal	1	-0.104		distal	1	-0.104					
medial	1	-0.104		medial	1	-0.104		medial	1	-0.104					
proximal	1	-0.104		proximal	1	-0.104		proximal	1	-0.104					
end	1	-0.104		end	1	-0.104		end	1	-0.104		Subtotal	27		
end & 2 sides	1	-0.104		end & 2 sides	1	-0.104		end & 2 sides	1	-0.104					
high backed	1	-0.104		high backed	1	-0.104		high backed	1	-0.104		Diversity		-3.208	
not back knife	1	-0.104		not back knife	1	-0.104		not back knife	1	-0.104		Richness		7.075	
segment	1	-0.104		segment	1	-0.104		segment	1	-0.104		Evenness		-1.000	
awl	1	-0.104		awl	1	-0.104		awl	1	-0.104					
broken tool	1	-0.104		broken tool	1	-0.104		broken tool	1	-0.104					
MSA tool	1	-0.104		MSA tool	1	-0.104		MSA tool	1	-0.104					
Total	34			Total	34			Total	34						
Diversity		-3.520		Diversity		-3.520		Diversity		-3.520					
Richness		9.388		Richness		9.388		Richness		9.388					
Evenness		-1.000		Evenness		-1.000		Evenness		-1.000					

TABLE 46: (cont.)
Ja level

L4 Combined		Non-normal		Normal		end & side	
chuck	25	-0.281	chuck	25	-0.283	1	-0.308
chip	95	-0.352	chip	95	-0.350	1	-0.308
irregular	3	-0.003	irregular	3	-0.004	1	-0.386
bladelet 1 pint	2	-0.049	bladelet 1 pint	2	-0.047	Subtotal	3
core radius 1 pint	1	-0.027	core radius 1 pint	1	-0.027		
core radius 2 pint	1	-0.027	core radius 2 pint	1	-0.027	Diversity	-1.000
irregular	5	-0.003	irregular	5	-0.004	Richness	1.000
core ref. fluke	1	-0.027	core ref. fluke	1	-0.027	Evenness	-1.000
endstruck 30+mm	1	-0.027	endstruck 30+mm	1	-0.027	Diversity/standard	1.000
sidestruck <30mm	1	-0.027	sidestruck <30mm	1	-0.027	Richness/standard	1.000
endstruck 30+mm	1	-0.027	endstruck 30+mm	1	-0.027	Evenness/standard	1.000
endstruck <30mm	16	-0.210	endstruck <30mm	16	-0.220		
sidestruck 30+mm	2	-0.048	sidestruck 30+mm	2	-0.047		
sidestruck <30mm	24	-0.200	sidestruck <30mm	24	-0.200		
dial	1	-0.027	dial	1	-0.027		
model	4	-0.079	model	4	-0.080		
proximal	10	-0.181	proximal	10	-0.182		
end & side	1	-0.027	Subtotal	100			
knife	1	-0.027					
broken tool	1	-0.027	Diversity	-1.706			
Total	190		Richness	3.034			
			Evenness	-0.993			
Diversity	-1.833	Diversity/standard	0.993				
Richness	3.033	Richness/standard	0.937				
Evenness	-0.912	Evenness/standard	0.993				
Diversity/standard	0.912						
Richness/standard	0.993						
Evenness/standard	0.912						

L4 Combined		Non-normal		Normal		end & side	
chuck	1	-0.150	chuck	1	-0.167	1	-0.386
chip	1	-0.150	chip	1	-0.167	1	-0.386
irregular	1	-0.150	irregular	1	-0.167	1	-0.386
bladelet 1 pint	1	-0.150	bladelet 1 pint	1	-0.167	Subtotal	3
core radius 1 pint	1	-0.150	core radius 1 pint	1	-0.167		
core radius 2 pint	1	-0.150	core radius 2 pint	1	-0.167	Diversity	-1.000
irregular	1	-0.150	irregular	1	-0.167	Richness	1.000
core ref. fluke	1	-0.150	core ref. fluke	1	-0.167	Evenness	-1.000
endstruck 30+mm	1	-0.150	endstruck 30+mm	1	-0.167		
sidestruck <30mm	1	-0.150	sidestruck <30mm	1	-0.167		
endstruck 30+mm	1	-0.150	endstruck 30+mm	1	-0.167		
endstruck <30mm	1	-0.150	endstruck <30mm	1	-0.167		
sidestruck 30+mm	1	-0.150	sidestruck 30+mm	1	-0.167		
sidestruck <30mm	1	-0.150	sidestruck <30mm	1	-0.167		
dial	1	-0.150	dial	1	-0.167		
model	1	-0.150	model	1	-0.167		
proximal	1	-0.150	proximal	1	-0.167		
end & side	1	-0.150	Subtotal	17			
knife	1	-0.150					
broken tool	1	-0.150	Diversity	-2.033			
Total	20		Richness	8.047			
			Evenness	-1.000			
Diversity	-2.090						
Richness	8.042						
Evenness	-1.000						

TABLE 46: (cont.)
Ja level

L3 Combined		Non-formal		Formal				
chunk	110	-0.325	chunk	110	-0.320	knife	1	-0.322
chip	221	-0.306	chip	221	-0.305	backed bladelet	1	-0.322
irregular	12	-0.086	irregular	12	-0.086	miscellaneous	1	-0.322
bladelet 1 plat	1	-0.012	bladelet 1 plat	1	-0.012	broken backed	1	-0.322
bladelet 2 plat	2	-0.021	bladelet 2 plat	2	-0.021	miscellaneous	1	-0.322
flat bladelet	1	-0.012	flat bladelet	1	-0.012	Subtotal	8	
core reduce 1 plat	1	-0.012	core reduce 1 plat	1	-0.012			
core reduce 2 plat	5	-0.044	core reduce 2 plat	5	-0.044	Diversity		-1.809
lat plat/bld cor	2	-0.021	lat plat/bld cor	2	-0.021	Richness		2.408
parallel sided	1	-0.012	parallel sided	1	-0.012	Evenness		-1.000
irregular	7	-0.087	irregular	7	-0.087	Diversity/standard		1.000
distal	4	-0.038	distal	4	-0.037	Richness/standard		1.000
medial	1	-0.012	medial	1	-0.012	Evenness/standard		1.000
proximal	3	-0.020	proximal	3	-0.020			
core ref. flake	2	-0.021	core ref. flake	2	-0.021			
endstruck 30+mm	1	-0.012	endstruck 30+mm	1	-0.012			
endstruck <30mm	4	-0.038	endstruck <30mm	4	-0.037			
sidestuck 30+mm	1	-0.012	sidestuck 30+mm	1	-0.012			
sidestuck <30mm	4	-0.036	sidestuck <30mm	4	-0.037			
endstruck 30+mm	7	-0.087	endstruck 30+mm	7	-0.087			
endstruck <30mm	48	-0.205	endstruck <30mm	48	-0.205			
sidestuck 30+mm	5	-0.044	sidestuck 30+mm	5	-0.044			
sidestuck <30mm	89	-0.243	sidestuck <30mm	89	-0.244			
distal	11	-0.080	distal	11	-0.080			
medial	9	-0.080	medial	9	-0.080			
proximal	13	-0.080	proximal	13	-0.081			
knife	1	-0.012	Subtotal	832				
backed bladelet	1	-0.012						
miscellaneous	1	-0.012	Diversity		-1.050			
broken backed	1	-0.012	Richness		3.283			
miscellaneous	1	-0.012	Evenness		-0.500			
Total	837		Diversity/standard		0.400			
			Richness/standard		0.510			
Diversity		-2.005	Evenness/standard		0.900			
Richness		4.770						
Evenness		-0.584						
Diversity/standard		0.584						
Richness/standard		0.840						
Evenness/standard		0.984						

L3

Combined

Non-formal

Formal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Total

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

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chunk

chip

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bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

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miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

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chunk

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irregular

bladelet 1 plat

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flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

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sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

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chunk

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bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

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miscellaneous

broken backed

miscellaneous

Subtotal

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chip

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bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

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bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

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core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

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bladelet 1 plat

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sidestuck <30mm

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endstruck <30mm

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core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

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sidestuck 30+mm

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bladelet 1 plat

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flat bladelet

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proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

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endstruck <30mm

sidestuck 30+mm

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endstruck 30+mm

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endstruck <30mm

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core ref. flake

endstruck 30+mm

endstruck <30mm

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endstruck 30+mm

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endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

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core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

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sidestuck 30+mm

sidestuck <30mm

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endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

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bladelet 1 plat

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core reduce 1 plat

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parallel sided

irregular

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core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

core reduce 2 plat

lat plat/bld cor

parallel sided

irregular

distal

medial

proximal

core ref. flake

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

endstruck 30+mm

endstruck <30mm

sidestuck 30+mm

sidestuck <30mm

distal

medial

proximal

knife

backed bladelet

miscellaneous

broken backed

miscellaneous

Subtotal

Diversity

Richness

Evenness

chunk

chip

irregular

bladelet 1 plat

bladelet 2 plat

flat bladelet

core reduce 1 plat

TABLE 46: (cont.)
Ja level

M4 Combined		Non-formal		Formal			
chunk	48	-0.320	chunk	45	-0.321	end	1 -0.368
chip	115	-0.340	chip	115	-0.344	end & side	1 -0.368
manupor/module	1	-0.024	manupor/module	1	-0.024	edge	1 -0.368
irregular	7	-0.107	irregular	7	-0.108	Subtotal	3
flat bladelet	3	-0.057	flat bladelet	3	-0.057		
core redus 1 plat	1	-0.024	core redus 1 plat	1	-0.024	Diversity	-1.000
core redus 2 plat	2	-0.041	core redus 2 plat	2	-0.042	Richness	1.620
flat plat bid cor	1	-0.024	flat plat bid cor	1	-0.024	Evenness	-1.000
dlat	4	-0.071	dlat	4	-0.071	Diversity/standard	1.000
proximal	2	-0.041	proximal	2	-0.042	Richness/standard	1.000
core rd. flake	1	-0.024	core rd. flake	1	-0.024	Evenness/standard	1.000
endstruck <30mm	1	-0.024	endstruck <30mm	1	-0.024		
sidestruck <30mm	1	-0.024	sidestruck <30mm	1	-0.024		
endstruck 30+mm	2	-0.041	endstruck 30+mm	2	-0.042		
endstruck <30mm	12	-0.185	endstruck <30mm	12	-0.185		
sidestruck 30+mm	2	-0.041	sidestruck 30+mm	2	-0.042		
sidestruck <30mm	19	-0.207	sidestruck <30mm	19	-0.208		
dlat	6	-0.085	dlat	6	-0.084		
proximal	2	-0.041	proximal	2	-0.042		
end	1	-0.024	Subtotal	225			
end & side	1	-0.024					
edge	1	-0.024	Diversity		-1.700		
Total	226		Richness		3.321		
			Evenness		-0.570		
Diversity		-1.705	Diversity/standard		0.876		
Richness		3.885	Richness/standard		0.543		
Evenness		-0.571	Evenness/standard		0.876		
Diversity/standard		0.871					
Richness/standard		0.540					
Evenness/standard		0.871					

TABLE 47: JA LEVEL, STONE, DIVERSITY RICHNESS EVENNESS, ARCHAEOLOGICAL M6

M6 Combined		Non-formal		Formal
chunk	1	-0.187		
chip	8	-0.288		
endstruck <30mm	3	-0.330		
Total	12			
Diversity		-0.700		
Richness		0.780		
Evenness		-0.710		
Diversity/standard		0.719		
Richness/standard		0.429		
Evenness/standard		0.719		

M4 Combined		Non-formal		Formal			
chunk	1	-0.141	chunk	1	-0.185	end	1 -0.368
chip	1	-0.141	chip	1	0.185	end & side	1 -0.368
manupor/module	1	-0.141	manupor/module	1	-0.185	edge	1 -0.368
irregular	1	-0.141	irregular	1	-0.185	Subtotal	3
flat bladelet	1	-0.141	flat bladelet	1	-0.185		
core redus 1 plat	1	-0.141	core redus 1 plat	1	-0.185	Diversity	-1.000
core redus 2 plat	1	-0.141	core redus 2 plat	1	-0.185	Richness	1.620
flat plat bid cor	1	-0.141	flat plat bid cor	1	-0.185	Evenness	-1.000
dlat	1	-0.141	dlat	1	-0.185		
proximal	1	-0.141	proximal	1	-0.185		
core rd. flake	1	-0.141	core rd. flake	1	-0.185		
endstruck <30mm	1	-0.141	endstruck <30mm	1	-0.185		
sidestruck <30mm	1	-0.141	sidestruck <30mm	1	-0.185		
endstruck 30+mm	1	-0.141	endstruck 30+mm	1	-0.185		
endstruck <30mm	1	-0.141	endstruck <30mm	1	-0.185		
sidestruck 30+mm	1	-0.141	sidestruck 30+mm	1	-0.185		
sidestruck <30mm	1	-0.141	sidestruck <30mm	1	-0.185		
dlat	1	-0.141	dlat	1	-0.185		
proximal	1	-0.141	proximal	1	-0.185		
end	1	-0.141	Subtotal	19			
end & side	1	-0.141					
edge	1	-0.141	Diversity		-2.044		
Total	22		Richness		0.113		
			Evenness		-1.000		
Diversity		-3.081					
Richness		0.784					
Evenness		-1.000					

TABLE 48: JA LEVEL, STONE, DIVERSITY RICHNESS EVENNESS, STANDARD M6

M6 Combined		Non-formal		Formal
chunk	1	-0.308		
chip	1	-0.308		
endstruck <30mm	1	-0.308		
Total	3			
Diversity		-1.000		
Richness		1.620		
Evenness		-1.000		

TABLE 46: (cont.)
Ja level

M3		Non-formal		Formal		and & 2 sides		Miscellaneous	
Combined									
chunk	67	-0.289	chunk	67	-0.267	and & 2 sides	1	-0.347	
chip	172	-0.363	chip	172	-0.363	miscellaneous	1	-0.347	
maniport/module	1	-0.016	maniport/module	1	-0.015	Subtotal	2	-0.693	
irregular	10	-0.092	irregular	10	-0.092				
bindelot 2 plat	2	-0.020	bindelot 2 plat	2	-0.028	Diversity		-0.693	
flatbindelot	1	-0.015	flatbindelot	1	-0.016	Richness		1.443	
core radius 1 plat	2	-0.028	core radius 1 plat	2	-0.026	Evenness		-1.000	
core radius 2 plat	2	-0.026	core radius 2 plat	2	-0.028	Diversity/standard		1.000	
flatplat bid cor	2	-0.028	flatplat bid cor	2	-0.026	Richness/standard		1.000	
irregular	2	-0.026	irregular	2	-0.026	Evenness/standard		1.000	
distal	1	-0.015	distal	1	-0.015				
proximal	3	-0.037	proximal	3	-0.037				
core ref. flake	2	-0.026	core ref. flake	2	-0.026				
endstruck <30mm	6	-0.063	endstruck <30mm	6	-0.063				
endstruck 30+mm	1	-0.016	endstruck 30+mm	1	-0.016				
endstruck <30mm	11	-0.069	endstruck <30mm	11	-0.069				
endstruck 30+mm	6	-0.063	endstruck 30+mm	6	-0.063				
endstruck <30mm	34	-0.209	endstruck <30mm	34	-0.210				
endstruck 30+mm	2	-0.028	endstruck 30+mm	2	-0.026				
endstruck <30mm	48	-0.236	endstruck <30mm	48	-0.237				
distal	6	-0.063	distal	6	-0.063				
medial	4	-0.046	medial	4	-0.046				
proximal	21	-0.194	proximal	21	-0.185				
end & 2 sides	1	-0.016	Subtotal	400					
Miscellaneous	1	-0.016							
Total	402		Diversity		-1.971				
			Richness		3.072				
Evenness		-1.990	Evenness		-0.620				
Diversity/standard		4.002	Diversity/standard		0.620				
Richness/standard		-0.620	Richness/standard		0.623				
Evenness/standard		0.620	Evenness/standard		0.620				

M4		Non-formal		Formal		and & 2 sides		Miscellaneous	
Combined									
chunk	1	-0.129	chunk	1	-0.138	and & 2 sides	1	-0.347	
chip	1	-0.130	chip	1	-0.138	miscellaneous	1	-0.347	
maniport/module	1	-0.129	maniport/module	1	-0.138	Subtotal	2	-0.693	
irregular	1	-0.129	irregular	1	-0.138				
bindelot 2 plat	1	-0.129	bindelot 2 plat	1	-0.138	Diversity		-0.693	
flatbindelot	1	-0.129	flatbindelot	1	-0.138	Richness		1.443	
core radius 1 plat	1	-0.129	core radius 1 plat	1	-0.138	Evenness		-1.000	
core radius 2 plat	1	-0.129	core radius 2 plat	1	-0.138				
flatplat bid cor	1	-0.129	flatplat bid cor	1	-0.138				
irregular	1	-0.129	irregular	1	-0.138				
distal	1	-0.129	distal	1	-0.138				
proximal	1	-0.129	proximal	1	-0.138				
core ref. flake	1	-0.129	core ref. flake	1	-0.138				
endstruck <30mm	1	-0.129	endstruck <30mm	1	-0.138				
endstruck 30+mm	1	-0.129	endstruck 30+mm	1	-0.138				
endstruck <30mm	1	-0.129	endstruck <30mm	1	-0.138				
endstruck 30+mm	1	-0.129	endstruck 30+mm	1	-0.138				
endstruck <30mm	1	-0.129	endstruck <30mm	1	-0.138				
endstruck 30+mm	1	-0.129	endstruck 30+mm	1	-0.138				
endstruck <30mm	1	-0.129	endstruck <30mm	1	-0.138				
distal	1	-0.129	distal	1	-0.138				
medial	1	-0.129	medial	1	-0.138				
proximal	1	-0.129	proximal	1	-0.138				
end & 2 sides	1	-0.129	Subtotal	23					
Miscellaneous	1	-0.129							
Total	26		Diversity		-3.135				
			Richness		7.018				
Evenness		-3.218	Evenness		-1.000				
Diversity/standard		7.438	Diversity/standard						
Richness/standard		-1.000	Richness/standard						
Evenness/standard			Evenness/standard						

TABLE 46: (cont.)
Ja Tavel

N4		Non-formal		Formal	
Combined					
chunk	8	-0.268	chunk	5	-0.272
chip	21	-0.358	chip	21	-0.353
irregular	3	-0.178	irregular	3	-0.183
sidestruck <30mm	1	-0.093	sidestruck <30mm	1	-0.088
endstruck <30mm	8	-0.304	endstruck <30mm	8	-0.310
sidestruck <30mm	4	-0.212	sidestruck <30mm	4	-0.216
medial	1	-0.083	medial	1	-0.086
end	1	-0.083	end	1	-0.083
miscellaneous	1	-0.093	miscellaneous	1	-0.093
Total	46		Total	44	
Diversity		-1.861	Diversity		-1.866
Richness		2.090	Richness		2.090
Evenness		0.781	Evenness		0.775
Diversity/standard		0.751	Diversity/standard		0.775
Richness/standard		0.574	Richness/standard		0.574
Evenness/standard		0.761	Evenness/standard		0.775

N4		Non-formal		Formal	
Combined					
chunk	1	-0.244	chunk	1	-0.278
chip	1	-0.244	chip	1	-0.278
irregular	1	-0.244	irregular	1	-0.278
sidestruck <30mm	1	-0.244	sidestruck <30mm	1	-0.278
endstruck <30mm	1	-0.244	endstruck <30mm	1	-0.278
sidestruck <30mm	1	-0.244	sidestruck <30mm	1	-0.278
medial	1	-0.244	medial	1	-0.278
end	1	-0.244	end	1	-0.278
miscellaneous	1	-0.244	miscellaneous	1	-0.278
Total	9		Total	7	
Diversity		-1.848	Diversity		-1.848
Richness		3.083	Richness		3.083
Evenness		2.167	Evenness		2.167
Diversity/standard		0.574	Diversity/standard		0.574
Richness/standard		0.574	Richness/standard		0.574
Evenness/standard		0.761	Evenness/standard		0.761

TABLE 46: (cont.)
H level

L6		Non-normal		Formal	
Combined					
chuck	76	-0.322	chuck	76	-0.324
chip	108	-0.361	chip	108	-0.359
manuscript	1	-0.010	manuscript	1	-0.010
irregular	8	-0.051	irregular	8	-0.053
bladelet 1 plat	1	-0.016	bladelet 1 plat	1	-0.016
bladelet 2 plat	1	-0.016	bladelet 2 plat	1	-0.016
flat bladelet	1	-0.016	flat bladelet	1	-0.016
core radius 1 plat	2	-0.020	core radius 1 plat	2	-0.020
core radius 2 plat	5	-0.057	core radius 2 plat	5	-0.058
parallel sided	1	-0.015	parallel sided	1	-0.015
thick triangular	2	-0.020	thick triangular	2	-0.020
irregular	6	-0.051	irregular	6	-0.053
dlatel	2	-0.025	dlatel	2	-0.025
medial	4	-0.047	medial	4	-0.048
proximal	5	-0.057	proximal	5	-0.058
endstruck 30+mm	1	-0.016	endstruck 30+mm	1	-0.016
endstruck <30mm	4	-0.048	endstruck <30mm	4	-0.048
sidestruck <30mm	4	-0.048	sidestruck <30mm	4	-0.048
endstruck 30+mm	2	-0.020	endstruck 30+mm	2	-0.020
endstruck <30mm	17	-0.138	endstruck <30mm	17	-0.141
sidestruck 30+mm	3	-0.038	sidestruck 30+mm	3	-0.038
sidestruck <30mm	33	-0.212	sidestruck <30mm	33	-0.215
dlatel	11	-0.102	dlatel	11	-0.104
medial	8	-0.087	medial	8	-0.088
proximal	7	-0.073	proximal	7	-0.075
high backed	1	-0.015	Subtotal	378	
backed bladelet	1	-0.016			
miscellaneous	1	-0.016	Diversity		-1.050
spokeshave	2	-0.028	Richness		0.088
broken tool	1	-0.016	Evenness		-0.800
miscellaneous	1	-0.016	Diversity/Standard		0.0950
MBA tool	2	-0.020	Richness/Standard		0.0430
			Evenness/Standard		0.0950
TOTAL	391				
Diversity		-2.000			
Richness		8.218			
Evenness		-0.005			
Diversity/Standard		0.0045			
Richness/Standard		0.0032			
Evenness/Standard		0.0045			

L5		Non-normal		Formal	
Combined					
chuck	1	-0.108	chuck	1	-0.120
chip	1	-0.108	chip	1	-0.120
manuscript	1	-0.108	manuscript	1	-0.120
irregular	1	-0.108	irregular	1	-0.120
bladelet 1 plat	1	-0.108	bladelet 1 plat	1	-0.120
bladelet 2 plat	1	-0.108	bladelet 2 plat	1	-0.120
flat bladelet	1	-0.108	flat bladelet	1	-0.120
core radius 1 plat	1	-0.108	core radius 1 plat	1	-0.120
core radius 2 plat	1	-0.108	core radius 2 plat	1	-0.120
parallel sided	1	-0.108	parallel sided	1	-0.120
thick triangular	1	-0.108	thick triangular	1	-0.120
irregular	1	-0.108	irregular	1	-0.120
dlatel	1	-0.108	dlatel	1	-0.120
medial	1	-0.108	medial	1	-0.120
proximal	1	-0.108	proximal	1	-0.120
endstruck 30+mm	1	-0.108	endstruck 30+mm	1	-0.120
endstruck <30mm	1	-0.108	endstruck <30mm	1	-0.120
sidestruck <30mm	1	-0.108	sidestruck <30mm	1	-0.120
endstruck 30+mm	1	-0.108	endstruck 30+mm	1	-0.120
endstruck <30mm	1	-0.108	endstruck <30mm	1	-0.120
sidestruck 30+mm	1	-0.108	sidestruck 30+mm	1	-0.120
sidestruck <30mm	1	-0.108	sidestruck <30mm	1	-0.120
dlatel	1	-0.108	dlatel	1	-0.120
medial	1	-0.108	medial	1	-0.120
proximal	1	-0.108	proximal	1	-0.120
high backed	1	-0.108	Subtotal	25	
backed bladelet	1	-0.108			
miscellaneous	1	-0.108	Diversity		-3.218
spokeshave	1	-0.108	Richness		7.458
broken tool	1	-0.108	Evenness		-1.000
miscellaneous	1	-0.108			
MBA tool	1	-0.108			
TOTAL	32				
Diversity		-3.488			
Richness		8.945			
Evenness		-1.000			

TABLE 46: (cont.)
H level

L4 Combined	Non-normal				Normal			
chunk	46	-0.320	chunk	46	-0.321	broken tool	1	
chip	103	-0.390	chip	103	-0.358			
irregular	3	-0.057	irregular	3	-0.067	Subtotal		
core radius 1 plat	1	-0.024	core radius 1 plat	1	-0.024	Diversity		
core radius 2 plat	1	-0.024	core radius 2 plat	1	-0.024	Richness		
parallel sided	1	-0.024	parallel sided	1	-0.024	Evenness		
irregular	0	-0.000	irregular	0	-0.000	Diversity/Standard		
discal	8	-0.074	discal	8	-0.084	Richness/Standard		
medial	2	-0.042	medial	2	-0.042	Evenness/Standard		
proximal	4	-0.071	proximal	4	-0.071			
core ref. fluke	1	-0.024	core ref. fluke	1	-0.024			
endstruck 30+mm	1	-0.024	endstruck 30+mm	1	-0.024			
endstruck <30mm	2	-0.042	endstruck <30mm	2	-0.042			
sidestruck <30mm	2	-0.042	sidestruck <30mm	2	-0.042			
endstruck <30mm	10	-0.027	endstruck <30mm	10	-0.020			
sidestruck 30+mm	1	-0.024	sidestruck 30+mm	1	-0.024			
sidestruck <30mm	10	-0.020	sidestruck <30mm	10	-0.020			
discal	8	-0.090	discal	8	-0.090			
medial	3	-0.057	medial	3	-0.057			
proximal	8	-0.057	proximal	3	-0.057			
broken tool	1	-0.024	broken tool	227				
TOTAL	228							
Diversity		-1.028	Diversity		-1.075			
Richness		0.004	Richness		0.002			
Evenness		-0.022	Evenness		-0.020			
Diversity/Standard		0.0225	Diversity/Standard		0.0222			
Richness/Standard		0.0000	Richness/Standard		0.0000			
Evenness/Standard		0.0225	Evenness/Standard		0.0220			

L4 Combined	Non-normal				Normal			
chunk	1	-0.145	chunk	1	-0.150	broken tool	1	0.000
chip	1	-0.145	chip	1	-0.150			
irregular	1	-0.145	irregular	1	-0.150	Subtotal		
core radius 1 plat	1	-0.145	core radius 1 plat	1	-0.150	Diversity		
core radius 2 plat	1	-0.145	core radius 2 plat	1	-0.150	Richness		
parallel sided	1	-0.145	parallel sided	1	-0.150	Evenness		
irregular	1	-0.145	irregular	1	-0.150			
discal	1	-0.145	discal	1	-0.150			
medial	1	-0.145	medial	1	-0.150			
proximal	1	-0.145	proximal	1	-0.150			
core ref. fluke	1	-0.145	core ref. fluke	1	-0.150			
endstruck 30+mm	1	-0.145	endstruck 30+mm	1	-0.150			
endstruck <30mm	1	-0.145	endstruck <30mm	1	-0.150			
sidestruck <30mm	1	-0.145	sidestruck <30mm	1	-0.150			
endstruck <30mm	1	-0.145	endstruck <30mm	1	-0.150			
sidestruck 30+mm	1	-0.145	sidestruck 30+mm	1	-0.150			
sidestruck <30mm	1	-0.145	sidestruck <30mm	1	-0.150			
discal	1	-0.145	discal	1	-0.150			
medial	1	-0.145	medial	1	-0.150			
proximal	1	-0.145	proximal	1	-0.150			
broken tool	1	-0.145	broken tool	20				
TOTAL	21							
Diversity		-3.045	Diversity		-2.900			
Richness		0.000	Richness		0.000			
Evenness		-1.000	Evenness		-1.000			

TABLE 46: (cont.)
H level

MS Contained			Non-formal			Formal			
chunk	70	-0.311	chunk	70	-0.315	end & side	1	-0.230	
chip	177	-0.355	chip	177	-0.353	end & side	1	-0.230	
manuport	4	-0.048	manuport	4	-0.049	miscellaneous	1	-0.230	
irregular	9	-0.050	irregular	9	-0.050	broken tool	1	-0.230	
bladelet 2 plat	2	-0.025	bladelet 2 plat	2	-0.025	miscellaneous	1	-0.230	
flat bladelet	2	-0.025	flat bladelet	2	-0.025	MSA tool	2	-0.322	
core radius 1 plat	2	-0.025	core radius 1 plat	2	-0.025	Subtotal	10		
core radius 2 plat	3	-0.030	core radius 2 plat	3	-0.030				
flat plat bld cor	3	-0.030	flat plat bld cor	3	-0.030	Diversity		-1.000	
irregular	1	-0.015	irregular	1	-0.015	Richness		2.171	
parallel sided	1	-0.010	parallel sided	1	-0.010	Evenness		-0.008	
thick triangular	2	-0.025	thick triangular	2	-0.025	Diversity/Standard		0.00	
irregular	5	-0.057	irregular	5	-0.055	Richness/Standard		0.7702	
distal	5	-0.057	distal	5	-0.056	Evenness/Standard		0.00	
medial	1	-0.015	medial	1	-0.010				
proximal	12	-0.105	proximal	12	-0.111				
core rd flake	9	-0.035	core rd flake	9	-0.030				
endside <30mm	3	-0.035	endside <30mm	3	-0.030				
endside 30+mm	1	-0.015	endside 30+mm	1	-0.015				
endside <30mm	14	-0.121	endside <30mm	14	-0.124				
endside 30+mm	3	-0.030	endside 30+mm	3	-0.030				
endside <30mm	20	-0.150	endside <30mm	20	-0.100				
distal	4	-0.045	distal	4	-0.045				
medial	3	-0.035	medial	3	-0.030				
proximal	12	-0.100	proximal	12	-0.111				
end & side	1	-0.010	Subtotal	371					
end & side	1	-0.010							
miscellaneous	1	-0.015	Diversity		-1.027				
broken tool	1	-0.010	Richness		4.057				
miscellaneous	1	-0.045	Evenness		-0.590				
MSA tool	2	-0.025	Diversity/Standard		0.8000				
TOTAL	381		Richness/Standard		0.5441				
			Evenness/Standard		0.0000				
Diversity		-2.040							
Richness		8.045							
Evenness		-0.504							
Diversity/Standard		0.394							
Richness/Standard		0.5770							
Evenness/Standard		0.001							

MS Contained			Non-formal			Formal			
chunk	1	-0.115	chunk	1	-0.120	end & side	1	-0.230	
chip	1	-0.115	chip	1	-0.120	end & side	1	-0.230	
manuport	1	-0.115	manuport	1	-0.120	miscellaneous	1	-0.230	
irregular	1	-0.115	irregular	1	-0.120	broken tool	1	-0.230	
bladelet 2 plat	1	-0.115	bladelet 2 plat	1	-0.120	miscellaneous	1	-0.230	
flat bladelet	1	-0.115	flat bladelet	1	-0.120	MSA tool	1	-0.230	
core radius 1 plat	1	-0.115	core radius 1 plat	1	-0.120	Subtotal	0		
core radius 2 plat	1	-0.115	core radius 2 plat	1	-0.120				
flat plat bld cor	1	-0.115	flat plat bld cor	1	-0.120	Diversity		-1.792	
irregular	1	-0.115	irregular	1	-0.120	Richness		2.701	
parallel sided	1	-0.115	parallel sided	1	-0.120	Evenness		-1.000	
thick triangular	1	-0.115	thick triangular	1	-0.120				
irregular	1	-0.115	irregular	1	-0.120				
distal	1	-0.115	distal	1	-0.120				
medial	1	-0.115	medial	1	-0.120				
proximal	1	-0.115	proximal	1	-0.120				
core rd flake	1	-0.115	core rd flake	1	-0.120				
endside <30mm	1	-0.115	endside <30mm	1	-0.120				
endside 30+mm	1	-0.115	endside 30+mm	1	-0.120				
endside <30mm	1	-0.115	endside <30mm	1	-0.120				
endside 30+mm	1	-0.115	endside 30+mm	1	-0.120				
endside <30mm	1	-0.115	endside <30mm	1	-0.120				
distal	1	-0.115	distal	1	-0.120				
medial	1	-0.115	medial	1	-0.120				
proximal	1	-0.115	proximal	1	-0.120				
end & side	1	-0.115	Subtotal	30					
end & side	1	-0.115							
miscellaneous	1	-0.115	Diversity		-3.210				
broken tool	1	-0.115	Richness		7.450				
miscellaneous	1	-0.115	Evenness		-1.300				
MSA tool	1	-0.115							
TOTAL	31								
Diversity		-3.404							
Richness		8.730							
Evenness		-1.000							

TABLE 46: (cont.)
H level

NA Combined	Non-formal	Formal			
chuck	60	-0.340	chuck	60	-0.340
chip	112	-0.307	chip	112	-0.307
irregular	0	-0.002	irregular	0	-0.002
biadetal 1 plat	3	-0.040	biadetal 1 plat	3	-0.040
flatbiadetal	3	-0.040	flatbiadetal	3	-0.040
core radius 1 plat	1	-0.020	core radius 1 plat	1	-0.020
core radius 2 plat	1	-0.020	core radius 2 plat	1	-0.020
flatplat bld cor	2	-0.030	flatplat bld cor	2	-0.030
parallel sided	2	-0.030	parallel sided	2	-0.030
irregular	0	-0.002	irregular	0	-0.002
dial	1	-0.020	dial	1	-0.020
proximal	4	-0.001	proximal	4	-0.001
endstruck 30+mm	5	-0.030	endstruck 30+mm	5	-0.030
endstruck <30mm	2	-0.030	endstruck <30mm	2	-0.030
sidestruck <30mm	4	-0.001	sidestruck <30mm	4	-0.001
endstruck <30mm	12	-0.100	endstruck <30mm	12	-0.100
sidestruck 30+mm	1	-0.020	sidestruck 30+mm	1	-0.020
sidestruck <30mm	27	-0.020	sidestruck <30mm	27	-0.020
dial	3	-0.040	dial	3	-0.040
medial	3	-0.040	medial	3	-0.040
proximal	13	-0.140	proximal	13	-0.140
end & side	1	-0.020	end & side	1	-0.020
spokeshave	1	-0.020	spokeshave	1	-0.020
broken tool	2	-0.030	broken tool	2	-0.030
miscellaneous	1	-0.020	miscellaneous	1	-0.020
TOTAL	201		TOTAL	201	
Diversity		-2.000	Diversity		-2.000
Richness		4.207	Richness		4.207
Evenness		-0.021	Evenness		-0.021
Diversity/Standard		0.0037	Diversity/Standard		0.0037
Richness/Standard		0.0700	Richness/Standard		0.0700
Evenness/Standard		0.0037	Evenness/Standard		0.0037

NA Combined	Non-formal	Formal			
chuck	1	-0.120	chuck	1	-0.120
chip	1	-0.120	chip	1	-0.120
irregular	1	-0.120	irregular	1	-0.120
biadetal 1 plat	1	-0.120	biadetal 1 plat	1	-0.120
flatbiadetal	1	-0.120	flatbiadetal	1	-0.120
core radius 1 plat	1	-0.120	core radius 1 plat	1	-0.120
core radius 2 plat	1	-0.120	core radius 2 plat	1	-0.120
flatplat bld cor	1	-0.120	flatplat bld cor	1	-0.120
parallel sided	1	-0.120	parallel sided	1	-0.120
irregular	1	-0.120	irregular	1	-0.120
dial	1	-0.120	dial	1	-0.120
proximal	1	-0.120	proximal	1	-0.120
endstruck 30+mm	1	-0.120	endstruck 30+mm	1	-0.120
endstruck <30mm	1	-0.120	endstruck <30mm	1	-0.120
sidestruck <30mm	1	-0.120	sidestruck <30mm	1	-0.120
endstruck <30mm	1	-0.120	endstruck <30mm	1	-0.120
sidestruck 30+mm	1	-0.120	sidestruck 30+mm	1	-0.120
sidestruck <30mm	1	-0.120	sidestruck <30mm	1	-0.120
dial	1	-0.120	dial	1	-0.120
medial	1	-0.120	medial	1	-0.120
proximal	1	-0.120	proximal	1	-0.120
end & side	1	-0.120	end & side	1	-0.120
spokeshave	1	-0.120	spokeshave	1	-0.120
broken tool	1	-0.120	broken tool	1	-0.120
miscellaneous	1	-0.120	miscellaneous	1	-0.120
TOTAL	20		TOTAL	20	
Diversity		-3.010	Diversity		-3.010
Richness		7.450	Richness		7.450
Evenness		-1.000	Evenness		-1.000

TABLE 46: (cont.)
H level

Q1 Combined		Non-normal		Normal			
chunk	112	-0.325	chunk	112	-0.325	medium backed	1 -0.300
chip	275	-0.045	chip	275	-0.344	borer	1 -0.308
manupart	1	-0.012	manupart	1	-0.012	miscellaneous	1 -0.300
irregular	6	-0.040	irregular	5	-0.043 Subtotal		3
flat bladelet	4	-0.036	flat bladelet	4	-0.030		
core radius 1 plat	5	-0.025	core radius 1 plat	3	-0.020 Diversity		-1.000
flat plat bld cor	2	-0.021	flat plat bld cor	2	-0.021 Richness		1.000
irregular	2	-0.021	irregular	2	-0.021 Evenness		-1.000
irregular	7	-0.020	irregular	7	-0.020 Diversity/Standard		1.00
medial	4	-0.030	medial	4	-0.030 Richness/Standard		1
proximal	0	-0.050	proximal	5	-0.050 Evenness/Standard		1.00
core ref. flake	2	-0.021	core ref. flake	2	-0.021		
endslruk 30+mm	1	-0.012	endslruk 30+mm	1	-0.012		
endslruk <30mm	0	-0.052	endslruk <30mm	0	-0.052		
endslruk 30+mm	1	-0.012	endslruk 30+mm	1	-0.012		
endslruk <30mm	4	-0.030	endslruk <30mm	4	-0.030		
endslruk 30+mm	4	-0.030	endslruk 30+mm	4	-0.030		
endslruk <30mm	29	-0.142	endslruk <30mm	29	-0.142		
endslruk 30+mm	5	-0.043	endslruk 30+mm	5	-0.043		
endslruk <30mm	45	-0.200	endslruk <30mm	45	-0.207		
distal	5	-0.020	distal	3	-0.020		
medial	0	-0.050	medial	0	-0.050		
proximal	10	-0.104	proximal	10	-0.104		
medium backed	1	-0.012 Subtotal		541			
borer	1	-0.012					
miscellaneous	1	-0.012 Diversity					-1.720
TOTAL	544						3.400
							-0.251
Diversity		-1.720 Diversity/Standard					0.551
Richness		3.400 Richness/Standard					0.4002
Evenness		-0.540 Evenness/Standard					0.551
Diversity/Standard		0.5307					
Richness/Standard		0.4178					
Evenness/Standard		0.5307					

Q4 Combined		Non-normal		Normal				
chunk	1	-0.125	chunk	1	-0.130	medium backed	1	-0.305
chip	1	-0.125	chip	1	-0.130	borer	1	-0.305
manupart	1	-0.125	manupart	1	-0.130	miscellaneous	1	-0.305
irregular	1	-0.125	irregular	1	-0.130 Subtotal		3	
flat bladelet	1	-0.125	flat bladelet	1	-0.130			
core radius 1 plat	1	-0.125	core radius 1 plat	1	-0.130 Diversity			-1.000
flat plat bld cor	1	-0.125	flat plat bld cor	1	-0.130 Richness			1.000
irregular	1	-0.125	irregular	1	-0.130 Evenness			-1.000
irregular	1	-0.125	irregular	1	-0.130			
medial	1	-0.125	medial	1	-0.130			
proximal	1	-0.125	proximal	1	-0.130			
core ref. flake	1	-0.125	core ref. flake	1	-0.130			
endslruk 30+mm	1	-0.125	endslruk 30+mm	1	-0.130			
endslruk <30mm	1	-0.125	endslruk <30mm	1	-0.130			
endslruk 30+mm	1	-0.125	endslruk 30+mm	1	-0.130			
endslruk <30mm	1	-0.125	endslruk <30mm	1	-0.130			
endslruk 30+mm	1	-0.125	endslruk 30+mm	1	-0.130			
endslruk <30mm	1	-0.125	endslruk <30mm	1	-0.130			
endslruk 30+mm	1	-0.125	endslruk 30+mm	1	-0.130			
endslruk <30mm	1	-0.125	endslruk <30mm	1	-0.130			
distal	1	-0.125	distal	1	-0.130			
medial	1	-0.125	medial	1	-0.130			
proximal	1	-0.125	proximal	1	-0.130			
medium backed	1	-0.125 Subtotal		23				
borer	1	-0.125						
miscellaneous	1	-0.125 Diversity						-0.130
TOTAL	20							7.616
								-1.000
Diversity		-3.250						
Richness		7.673						
Evenness		-1.000						

TABLE 46: (cont.)
H Level

Pa			Non-normal			Formal			
Combined	chunk	06	-0.331	chunk	03	-0.333	nat bckd knife	1	-0.275
	chp	182	-0.305	chp	102	-0.305	vent rat bladelet	2	-0.358
	manuport	2	-0.024	manuport	2	-0.025	spoke shave	1	-0.270
	irregular	7	-0.055	irregular	7	-0.056	miscellaneous	3	-0.363
	bladelet 1 plat	0	-0.072	bladelet 1 plat	0	-0.073			
	bladelet 2 plat	1	-0.014	bladelet 2 plat	1	-0.014	Subtotal	7	
	flat bladelet	3	-0.034	flat bladelet	3	-0.034			
	core redus 1 plat	5	-0.051	core redus 1 plat	5	-0.051	Diversity		-1.277
	core redus 2 plat	1	-0.014	core redus 2 plat	1	-0.014	Richness		1.542
	flat plat bld cor	4	-0.042	flat plat bld cor	4	-0.043	Evenness		-0.621
	thick triangular	1	-0.014	thick triangular	1	-0.014	Diversity/Standard		0.6212
	irregular	5	-0.072	irregular	5	-0.073	Richness/Standard		0.7124
	distal	5	-0.055	distal	5	-0.056	Evenness/Standard		0.6212
	medial	1	-0.014	medial	1	-0.014			
	proximal	5	-0.051	proximal	5	-0.051			
	core ref. flake	3	-0.034	core ref. flake	3	-0.034			
	endsuck <30mm	10	-0.005	endsuck <30mm	10	-0.005			
	endsuck <30mm	5	-0.021	endsuck <30mm	5	-0.021			
	endsuck 30+mm	2	-0.024	endsuck 30+mm	2	-0.025			
	endsuck <30mm	42	-0.323	endsuck <30mm	42	-0.325			
	endsuck 30+mm	1	-0.014	endsuck 30+mm	1	-0.014			
	endsuck <30mm	37	-0.307	endsuck <30mm	37	-0.309			
	distal	5	-0.072	distal	5	-0.073			
	medial	5	-0.070	medial	5	-0.070			
	proximal	11	-0.062	proximal	11	-0.063			
	nat bckd knife	1	-0.014	Subtotal	439				
	vent rat bladelet	2	-0.024			-2.120			
	spoke shave	1	-0.014	Diversity		3.048			
	miscellaneous	2	-0.024	Richness		-0.058			
				Evenness		0.0588			
				Diversity/Standard		0.5202			
				Richness/Standard		0.0585			
TOTAL		444							
Diversity			-9.181						
Richness			1.553						
Evenness			-0.040						
Diversity/Standard			0.6477						
Richness/Standard			0.0824						
Evenness/Standard			0.0477						

Pa	Combined		Non-normal		Formal				
	chunk	1	-0.115	chunk	1	-0.125	nat bckd knife	1	-0.347
	chp	1	-0.115	chp	1	-0.125	vent rat bladelet	1	-0.347
	manuport	1	-0.115	manuport	1	-0.125	spoke shave	1	-0.347
	irregular	1	-0.115	irregular	1	-0.125	miscellaneous	1	-0.347
	bladelet 1 plat	1	-0.115	bladelet 1 plat	1	-0.125			
	bladelet 2 plat	1	-0.115	bladelet 2 plat	1	-0.125	Subtotal	4	
	flat bladelet	1	-0.115	flat bladelet	1	-0.125			
	core redus 1 plat	1	-0.115	core redus 1 plat	1	-0.125	Diversity		-1.000
	core redus 2 plat	1	-0.115	core redus 2 plat	1	-0.125	Richness		2.164
	flat plat bld cor	1	-0.115	flat plat bld cor	1	-0.125	Evenness		-1.000
	thick triangular	1	-0.115	thick triangular	1	-0.125			
	irregular	1	-0.115	irregular	1	-0.125			
	distal	1	-0.115	distal	1	-0.125			
	medial	1	-0.115	medial	1	-0.125			
	proximal	1	-0.115	proximal	1	-0.125			
	core ref. flake	1	-0.115	core ref. flake	1	-0.125			
	endsuck <30mm	1	-0.115	endsuck <30mm	1	-0.125			
	endsuck <30mm	1	-0.115	endsuck <30mm	1	-0.125			
	endsuck 30+mm	1	-0.115	endsuck 30+mm	1	-0.125			
	endsuck <30mm	1	-0.115	endsuck <30mm	1	-0.125			
	endsuck 30+mm	1	-0.115	endsuck 30+mm	1	-0.125			
	endsuck <30mm	1	-0.115	endsuck <30mm	1	-0.125			
	distal	1	-0.115	distal	1	-0.125			
	medial	1	-0.115	medial	1	-0.125			
	proximal	1	-0.115	proximal	1	-0.125			
	nat bckd knife	1	-0.115	Subtotal	25				
	vent rat bladelet	1	-0.115						
	spoke shave	1	-0.115	Diversity		-0.210			
	miscellaneous	1	-0.115	Richness		7.456			
				Evenness		-1.000			
TOTAL		28							
Diversity			-0.307						
Richness			0.318						
Evenness			-1.000						

TABLE 46: (cont.)
H level

Q1		Non - formal		Formal			
Combined							
chunk	78	-0.315	chunk	70	-0.318	end & side	1 -0.278
chip	243	-0.311	chip	243	-0.308	end & 2 sides	1 -0.278
manuscript	3	-0.030	manuscript	3	-0.030	side	1 -0.278
irregular	2	-0.026	irregular	2	-0.028	broken tool	1 -0.278
bladelet 1 plat	2	-0.020	bladelet 1 plat	2	-0.028	MSA tool	3 -0.303
int bladelet	2	-0.020	int bladelet	2	-0.028	Subtotal	7
core reduce 1 plat	1	-0.018	core reduce 1 plat	1	-0.018		
flint plat bld cor	2	-0.028	flint plat bld cor	2	-0.028	Diversity	-1.476
irregular	1	-0.018	irregular	1	-0.018	Flintness	2.055
distal	4	-0.045	distal	4	-0.045	Evenness	-0.817
medial	2	-0.020	medial	2	-0.020	Diversity/Standard	0.8105
proximal	2	-0.020	proximal	2	-0.020	Flintness/Standard	0.8271
core ref. flake	6	-0.054	core ref. flake	6	-0.054	Evenness/Standard	0.8108
sideback <30mm	1	-0.018	sideback <30mm	1	-0.018		
endback <30mm	18	-0.137	endback <30mm	18	-0.130		
sideback 30+mm	4	-0.045	sideback 30+mm	4	-0.046		
sideback <30mm	22	-0.157	sideback <30mm	22	-0.156		
distal	2	-0.020	distal	2	-0.020		
medial	2	-0.020	medial	2	-0.020		
proximal	7	-0.089	proximal	7	-0.070		
end & side	1	-0.018	Subtotal	404			
side	1	-0.018	Diversity	-1.448			
broken tool	1	-0.018	Flintness	0.833			
MSA tool	3	-0.036	Evenness	-0.474			
Total	411		Diversity/Standard	0.4738			
			Flintness/Standard	0.8073			
Diversity	-1.820		Evenness/Standard	0.4738			
Flintness	4.154						
Evenness	-0.408						
Diversity/Standard	0.4804						
Flintness/Standard	0.6416						
Evenness/Standard	0.4804						

Q4		Non - formal		Formal			
Combined							
chunk	1	-0.128	chunk	1	-0.148	end & side	1 -0.322
chip	1	-0.128	chip	1	-0.148	end & 2 sides	1 -0.322
manuscript	1	-0.128	manuscript	1	-0.148	side	1 -0.322
irregular	1	-0.128	irregular	1	-0.148	broken tool	1 -0.322
bladelet 1 plat	1	-0.128	bladelet 1 plat	1	-0.148	MSA tool	1 -0.322
int bladelet	1	-0.128	int bladelet	1	-0.148	Subtotal	6
core reduce 1 plat	1	-0.128	core reduce 1 plat	1	-0.148		
flint plat bld cor	1	-0.128	flint plat bld cor	1	-0.148	Diversity	-1.800
irregular	1	-0.128	irregular	1	-0.148	Flintness	2.408
distal	1	-0.128	distal	1	-0.148	Evenness	-1.000
medial	1	-0.128	medial	1	-0.148		
proximal	1	-0.128	proximal	1	-0.148		
core ref. flake	1	-0.128	core ref. flake	1	-0.148		
sideback <30mm	1	-0.128	sideback <30mm	1	-0.148		
endback <30mm	1	-0.128	endback <30mm	1	-0.148		
sideback 30+mm	1	-0.128	sideback 30+mm	1	-0.148		
sideback <30mm	1	-0.128	sideback <30mm	1	-0.148		
distal	1	-0.128	distal	1	-0.148		
medial	1	-0.128	medial	1	-0.148		
proximal	1	-0.128	proximal	1	-0.148		
end & side	1	-0.128	Subtotal	21			
side	1	-0.128	Diversity	-3.046			
broken tool	1	-0.128	Flintness	0.800			
MSA tool	1	-0.128	Evenness	-1.000			
Total	20						
Diversity	-3.268						
Flintness	7.073						
Evenness	-1.000						

TABLE 46: (cont.)
H level, standardised

Combined		Non-formal		Formal			
chunk	1	-0.082	chunk	1	-0.118	end & side	-0.187
chip	1	-0.082	chip	1	-0.118	end & side	-0.187
manupori	1	-0.082	manupori	1	-0.118	end & 2 sides	-0.187
irregular	1	-0.082	irregular	1	-0.118	end & adzing	-0.187
bladelet 1 plat	1	-0.082	bladelet 1 plat	1	-0.118	medium backed	-0.187
bladelet 2 plat	1	-0.082	bladelet 2 plat	1	-0.118	side	-0.187
flat bladelet	1	-0.082	flat bladelet	1	-0.118	end & side	-0.187
core reduce 1 plat	1	-0.082	core reduce 1 plat	1	-0.118	high backed	-0.187
core reduce 2 plat	1	-0.082	core reduce 2 plat	1	-0.118	not backd knife	-0.187
flat plat bld cor	1	-0.082	flat plat bld cor	1	-0.118	backed bladelet	-0.187
irregular	1	-0.082	irregular	1	-0.118	miscellaneous	-0.187
parallel sided	1	-0.082	parallel sided	1	-0.118	ventral bladelet	-0.187
thick triangular	1	-0.082	thick triangular	1	-0.118	spokehave	-0.187
irregular	1	-0.082	irregular	1	-0.118	borer	-0.187
distal	1	-0.082	distal	1	-0.118	broken tool	-0.187
medial	1	-0.082	medial	1	-0.118	miscellaneous	-0.187
proximal	1	-0.082	proximal	1	-0.118	MSA tool	-0.187
core red. flake	1	-0.082	core red. flake	1	-0.118		
endstruck 30+mm	1	-0.082	endstruck 30+mm	1	-0.118	Subtotal	17
endstruck <30mm	1	-0.082	endstruck <30mm	1	-0.118	Categories	17
oldstruck 30+mm	1	-0.082	oldstruck 30+mm	1	-0.118	Diversity	-2.839
oldstruck <30mm	1	-0.082	oldstruck <30mm	1	-0.118	Richness	5.947
endstruck 30+mm	1	-0.082	endstruck 30+mm	1	-0.118	Evenness	-1.000
endstruck <30mm	1	-0.082	endstruck <30mm	1	-0.118		
oldstruck 30+mm	1	-0.082	oldstruck 30+mm	1	-0.118		
oldstruck <30mm	1	-0.082	oldstruck <30mm	1	-0.118		
distal	1	-0.082	distal	1	-0.118		
medial	1	-0.082	medial	1	-0.118		
proximal	1	-0.082	proximal	1	-0.118		
end & side	1	-0.082	Subtotal	29			
end & side	1	-0.082	Categories	29			
end & 2 sides	1	-0.082	Diversity		-3.367		
end & adzing	1	-0.082	Richness		8.315		
medium backed	1	-0.082	Evenness		-1.000		
side	1	-0.082					
end & side	1	-0.082					
high backed	1	-0.082					
not backd knife	1	-0.082					
backed bladelet	1	-0.082					
miscellaneous	1	-0.082					
ventral bladelet	1	-0.082					
spokehave	1	-0.082					
borer	1	-0.082					
broken tool	1	-0.082					
miscellaneous	1	-0.082					
MSA tool	1	-0.082					
MSA tool recycled	1	-0.082					
TOTAL	47						
Categories	47						
Diversity		-3.850					
Richness		11.846					
Evenness		-1.000					

TABLE 46: (cont.)
H level

Combined		Non-formal		Formal				
chunk	566	-0.322	chunk	566	-0.324	end & side	2	-0.141
chip	1362	-0.356	chip	1362	-0.354	end & side	1	-0.086
manupon	13	-0.024	manupon	13	-0.024	end & 2 sides	1	-0.086
Irregular	44	-0.063	Irregular	44	-0.064	end & adzing	1	-0.086
bladelet 1 plat	15	-0.027	bladelet 1 plat	15	-0.027	medium backed	1	-0.086
bladelet 2 plat	4	-0.009	bladelet 2 plat	4	-0.009	side	1	-0.086
flat bladelet	15	-0.027	flat bladelet	15	-0.027	end & side	1	-0.086
core reduc 1 plat	16	-0.029	core reduc 1 plat	16	-0.029	high backed	1	-0.086
core reduc 2 plat	12	-0.023	core reduc 2 plat	12	-0.023	nat bakd knife	2	-0.141
flat plat bid cor	17	-0.030	flat plat bid cor	17	-0.030	backed bladelet	1	-0.086
Irregular	4	-0.009	Irregular	4	-0.009	miscellaneous	2	-0.141
parallel sided	7	-0.014	parallel sided	7	-0.015	vert ret bladelet	2	-0.141
thick triangular	5	-0.011	thick triangular	5	-0.011	spokeshave	4	-0.218
Irregular	50	-0.070	Irregular	50	-0.071	borer	1	-0.086
distal	22	-0.037	distal	22	-0.037	broken tool	6	-0.272
medial	16	-0.029	medial	16	-0.029	miscellaneous	10	-0.337
proximal	43	-0.062	proximal	43	-0.063	MSA tool	7	-0.292
core rej flake	10	-0.019	core rej flake	10	-0.020			
endstruck 30+mm	5	-0.011	endstruck 30+mm	5	-0.011	Subtotal	44	
endstruck <30mm	30	-0.047	endstruck <30mm	30	-0.048	Categories	17	
sidestruck 30+mm	2	-0.005	sidestruck 30+mm	2	-0.005	Diversity		-2.455
sidestruck <30mm	21	-0.036	sidestruck <30mm	21	-0.036	Richness		4.228
endstruck 30+mm	14	-0.026	endstruck 30+mm	14	-0.026	Evenness		-0.866
endstruck <30mm	162	-0.161	endstruck <30mm	162	-0.162	Diversity/standard		0.868
sidestruck 30+mm	18	-0.031	sidestruck 30+mm	18	-0.032	Richness/standard		0.749
sidestruck <30mm	229	-0.200	sidestruck <30mm	229	-0.202	Evenness/standard		0.868
distal	46	-0.064	distal	45	-0.065			
medial	31	-0.048	medial	31	-0.049			
proximal	75	-0.094	proximal	75	-0.095			
end & side	2	-0.005	Subtotal	2873				
end & side	1	-0.003	Categories	29				
end & 2 sides	1	-0.003	Diversity		-1.897			
end & adzing	1	-0.003	Richness		3.516			
medium backed	1	-0.003	Evenness		-0.563			
side	1	-0.003	Diversity/standard		0.663			
end & side	1	-0.003	Richness/standard		0.423			
high backed	1	-0.003	Evenness/standard		0.563			
nat bakd knife	2	-0.005						
backed bladelet	1	-0.003						
miscellaneous	2	-0.005						
vert ret bladelet	2	-0.005						
spokeshave	4	-0.009						
borer	1	-0.003						
broken tool	6	-0.013						
miscellaneous	9	-0.016						
MSA tool	7	-0.014						
MSA tool recycled	1	-0.003						
TOTAL	2917							
Categories	47							
Diversity		-1.986						
Richness		5.766						
Evenness		-0.516						
Diversity/standard		0.616						
Richness/standard		0.483						
Evenness/standard		0.516						

TABLE 46: (cont.)
CM level, standardised

Combined			Non-formal			Formal		
chunk	1	-0.0749	chunk	1	-0.1060	naturally backed	1	-0.1498
chip	1	-0.0749	chip	1	-0.1060	end & adzing	1	-0.1498
manuport	1	-0.0749	manuport	1	-0.1060	high backed	1	-0.1498
irregular	1	-0.0749	irregular	1	-0.1060	side	1	-0.1498
bladelet 1 plat	1	-0.0749	bladelet 1 plat	1	-0.1060	end & adzing	1	-0.1498
bladelet 2 plat	1	-0.0749	bladelet 2 plat	1	-0.1060	high backed	1	-0.1498
flat bladelet	1	-0.0749	flat bladelet	1	-0.1060	small backed	1	-0.1498
core reduc 1 plat	1	-0.0749	core reduc 1 plat	1	-0.1060	knife	1	-0.1498
core reduc 2 plat	1	-0.0749	core reduc 2 plat	1	-0.1060	nat bckd knife	1	-0.1498
flat plat bld cor	1	-0.0749	flat plat bld cor	1	-0.1060	backed blade	1	-0.1498
parallel sided	1	-0.0749	parallel sided	1	-0.1060	miscellaneous	1	-0.1498
thick triangular	1	-0.0749	thick triangular	1	-0.1060	segment	1	-0.1498
irregular	1	-0.0749	irregular	1	-0.1060	broken backed	1	-0.1498
parallel sided	1	-0.0749	parallel sided	1	-0.1060	vent ret bladelet	1	-0.1498
pointed	1	-0.0749	pointed	1	-0.1060	adze	1	-0.1498
thick triangular	1	-0.0749	thick triangular	1	-0.1060	spokeshave	1	-0.1498
irregular	1	-0.0749	irregular	1	-0.1060	awl	1	-0.1498
distal	1	-0.0749	distal	1	-0.1060	broken tool	1	-0.1498
medial	1	-0.0749	medial	1	-0.1060	miscellaneous	1	-0.1498
proximal	1	-0.0749	proximal	1	-0.1060	MSA tool	1	-0.1498
core red flake	1	-0.0749	core red flake	1	-0.1060	Subtotal	20	
endstruck 30+mm	1	-0.0749	endstruck 30+mm	1	-0.1060	Categories	20	
endstruck <30mm	1	-0.0749	endstruck <30mm	1	-0.1060	Diversity		-2.9957
sidestruck 30+mm	1	-0.0749	sidestruck 30+mm	1	-0.1060	Richness		6.3424
sidestruck <30mm	1	-0.0749	sidestruck <30mm	1	-0.1060	Evenness		-1.0000
endstruck 30+mm	1	-0.0749	endstruck 30+mm	1	-0.1060			
endstruck <30mm	1	-0.0749	endstruck <30mm	1	-0.1060			
sidestruck 30+mm	1	-0.0749	sidestruck 30+mm	1	-0.1060			
sidestruck <30mm	1	-0.0749	sidestruck <30mm	1	-0.1060			
distal	1	-0.0749	distal	1	-0.1060			
medial	1	-0.0749	medial	1	-0.1060			
proximal	1	-0.0749	proximal	1	-0.1060			
side	1	-0.0749	side	1	-0.1060			
naturally backed	1	-0.0749	Subtotal	33				
end & adzing	1	-0.0749	Categories	33				
high backed	1	-0.0749	Diversity		-3.4985			
side	1	-0.0749	Richness		9.1520			
end & adzing	1	-0.0749	Evenness		-3.0000			
high backed	1	-0.0749						
small backed	1	-0.0749						
knife	1	-0.0749						
nat bckd knife	1	-0.0749						
backed blade	1	-0.0749						
miscellaneous	1	-0.0749						
segment	1	-0.0749						
broken backed	1	-0.0749						
vent ret bladelet	1	-0.0749						
adze	1	-0.0749						
spokeshave	1	-0.0749						
awl	1	-0.0749						
broken tool	1	-0.0749						
miscellaneous	1	-0.0749						
MSA tool	1	-0.0749						
TOTAL	53							
Categories	53							
Diversity		-3.9703						
Richness		13.0973						
Evenness		-1.0000						

TABLE 46: (cont.)
CM level

Combined			Non-formal			Formal		
chunk	783	-0.3208	chunk	783	-0.3220	naturally backed	1	-0.0846
chip	1772	-0.3588	chip	1772	-0.3587	end & adzing	1	-0.0846
manuport	8	-0.0125	manuport	8	-0.0127	high backed	1	-0.0846
irregular	78	-0.0774	irregular	78	-0.0781	side	1	-0.0846
bladelet 1 plat	11	-0.0164	bladelet 1 plat	11	-0.0165	end & adzing	1	-0.0846
bladelet 2 plat	5	-0.0084	bladelet 2 plat	5	-0.0085	high backed	2	-0.1384
flat bladelet	11	-0.0164	flat bladelet	11	-0.0165	small backed	1	-0.0846
core reduc 1 plat	10	-0.0151	core reduc 1 plat	10	-0.0153	knife	2	-0.1384
core reduc 2 plat	13	-0.0223	core reduc 2 plat	18	-0.0225	net backed knife	3	-0.1805
flat plat bld cor	12	-0.0176	flat plat bld cor	12	-0.0178	backed blade	1	-0.0846
parallel sided	1	-0.0021	parallel sided	1	-0.0021	miscellaneous	1	-0.0846
thick triangular	3	-0.0054	thick triangular	3	-0.0055	segment	1	-0.0846
irregular	13	-0.0168	irregular	13	-0.0190	broken backed	1	-0.0846
parallel sided	6	-0.0088	parallel sided	6	-0.0089	vent rat bladelet	1	-0.0846
pointed	2	-0.0038	pointed	2	-0.0039	adze	4	-0.2151
thick triangular	8	-0.0125	thick triangular	8	-0.0127	spokeshave	2	-0.1384
irregular	72	-0.0729	irregular	72	-0.0735	saw	1	-0.0846
distal	27	-0.0340	distal	27	-0.0343	broken tool	8	-0.3071
medial	18	-0.0245	medial	18	-0.0248	miscellaneous	10	-0.3342
proximal	50	-0.0552	proximal	50	-0.0557	MSA tool	2	-0.1384
core raj. flake	4	-0.0070	core raj. flake	4	-0.0070	Subtotal	45	
endstruck 30+mm	11	-0.0164	endstruck 30+mm	11	-0.0165	Categories	20	
endstruck <30mm	38	-0.0446	endstruck <30mm	38	-0.0450	Diversity		-2.6056
sidestruck 30+mm	3	-0.0054	sidestruck 30+mm	3	-0.0055	Richness		4.9912
sidestruck <30mm	30	-0.0370	sidestruck <30mm	30	-0.0374	Evenness		-0.8698
endstruck 30+mm	30	-0.0370	endstruck 30+mm	30	-0.0374	Diversity/standard		0.8698
endstruck <30mm	321	-0.2038	endstruck <30mm	321	-0.2052	Richness/standard		0.7870
sidestruck 30+mm	30	-0.0370	sidestruck 30+mm	30	-0.0374	Evenness/standard		0.8698
sidestruck <30mm	362	-0.2188	sidestruck <30mm	362	-0.2202			
distal	51	-0.0561	distal	51	-0.0568			
medial	39	-0.0455	medial	39	-0.0459			
proximal	85	-0.0825	proximal	85	-0.0832			
side	2	-0.0038	side	2	-0.0039			
naturally backed	1	-0.0021	Subtotal	3912				
end & adzing	1	-0.0021	Categories	33				
high backed	1	-0.0021	Diversity		-1.9110			
side	1	-0.0021	Richness		3.8686			
end & adzing	1	-0.0021	Evenness		-0.5466			
high backed	2	-0.0038	Diversity/standard		0.5466			
small backed	1	-0.0021	Richness/standard		0.4227			
knife	2	-0.0038	Evenness/standard		0.5466			
net backed knife	3	-0.0054						
backed blade	1	-0.0021						
miscellaneous	1	-0.0021						
segment	1	-0.0021						
broken backed	1	-0.0021						
vent rat bladelet	1	-0.0021						
adze	4	-0.0070						
spokeshave	2	-0.0038						
saw	1	-0.0021						
broken tool	8	-0.0125						
miscellaneous	10	-0.0151						
MSA tool	2	-0.0038						
TOTAL	3957							
Categories	53							
Diversity		-1.9811						
Richness		6.2777						
Evenness		-0.4990						
Diversity/standard		0.4990						
Richness/standard		0.4793						
Evenness/standard		0.4990						

TABLE 46: (cont.)
Ph. level, standardised

Combined			Non-formal			Formal		
chunk	1	-0.092	chunk	1	-0.116	end & 2 sides	1	-0.218
chip	1	-0.092	chip	1	-0.116	end	1	-0.218
irregular	1	-0.092	irregular	1	-0.116	side	1	-0.218
bladelet 1 plat	1	-0.092	bladelet 1 plat	1	-0.116	end & side	1	-0.218
bladelet 2 plat	1	-0.092	bladelet 2 plat	1	-0.116	end & 2 sides	1	-0.218
flat bladelet	1	-0.092	flat bladelet	1	-0.116	end & adzling	1	-0.218
core reduc 1 plat	1	-0.092	core reduc 1 plat	1	-0.116	vent ret bladelet	1	-0.218
core reduc 2 plat	1	-0.092	core reduc 2 plat	1	-0.116	adze	1	-0.218
thick triangular	1	-0.092	thick triangular	1	-0.116	broken tool	1	-0.218
irregular	1	-0.092	irregular	1	-0.116	miscellaneous	1	-0.218
parallel sided	1	-0.092	parallel sided	1	-0.116	MSA tool	1	-0.218
pointed	1	-0.092	pointed	1	-0.116	Sub Total	11	
thick triangular	1	-0.092	thick triangular	1	-0.116	Categories	11	
irregular	1	-0.092	irregular	1	-0.116	Diversity		-2.398
distal	1	-0.092	distal	1	-0.116	Richness		4.170
medial	1	-0.092	medial	1	-0.116	Evenness		-1.000
proximal	1	-0.092	proximal	1	-0.116			
core rel. flake	1	-0.092	core rel. flake	1	-0.116			
endstruck 30+ mm	1	-0.092	endstruck 30+ mm	1	-0.116			
endstruck <30 mm	1	-0.092	endstruck <30 mm	1	-0.116			
sidestruck 30+ mm	1	-0.092	sidestruck 30+ mm	1	-0.116			
sidestruck <30 mm	1	-0.092	sidestruck <30 mm	1	-0.116			
endstruck 30+ mm	1	-0.092	endstruck 30+ mm	1	-0.116			
endstruck <30 mm	1	-0.092	endstruck <30 mm	1	-0.116			
sidestruck 30+ mm	1	-0.092	sidestruck 30+ mm	1	-0.116			
sidestruck <30 mm	1	-0.092	sidestruck <30 mm	1	-0.116			
distal	1	-0.092	distal	1	-0.116			
medial	1	-0.092	medial	1	-0.116			
proximal	1	-0.092	proximal	1	-0.116			
end & 2 sides	1	-0.092	Sub Total	29				
end	1	-0.092	Categories	29				
side	1	-0.092	Diversity		-3.367			
end & side	1	-0.092	Richness		8.315			
end & 2 sides	1	-0.092	Evenness		-1.000			
end & adzling	1	-0.092						
vent ret bladelet	1	-0.092						
adze	1	-0.092						
broken tool	1	-0.092						
miscellaneous	1	-0.092						
MSA tool	1	-0.092						
TOTAL	40							
Categories	40							
Diversity		-3.569						
Richness		10.572						
Evenness		-1.000						

Mn level

	Q	P	O	N	M	L	K	J
5					4.00	8.00	1.25	
4	12.50	13.75	3.00	6.00	7.25	6.00	1.25	
3	8.50	9.00	2.00	7.00	11.00	5.00	14.00	
2	6.00	11.00	11.00	12.00	6.00	11.00		
1	5.00	9.00			9.00	8.00		
Total	207.50							
avg	7.69							

A level

	Q	P	O	N	M	L	K	J
5							1.50	
4	4.12	5.50	6.00	7.00	6.75	5.00	4.50	
3	6.50	6.50	7.00	21.00	13.33	4.00	6.00	
2	13.00	13.00	3.00	4.00	9.00	20.00		
1	5.50				10.00	9.00		
Total	193.20							
avg	8.05							

A2 level

	Q	P	O	N	M	L	K	J
5					12.55	8.00	10.50	
4	11.75	8.75	8.00	14.25	20.75	18.00	7.50	
3	3.73	10.50	9.25	10.00	27.12	14.00	12.00	
2	19.50	14.00	11.00	6.00				
1		3.00			13.00			
Total	279.15							
avg	12.14							

Pt level

	Q	P	O	N	M	L	K	J
5					14.50	6.00		
4	23.00	15.80	25.00	20.00	8.35			
3	13.25	21.00	25.25	19.50	10.13	6.25	19.75	1.00
Total	227.78							
avg	15.19							

FIGURE 7: Volume of deposit

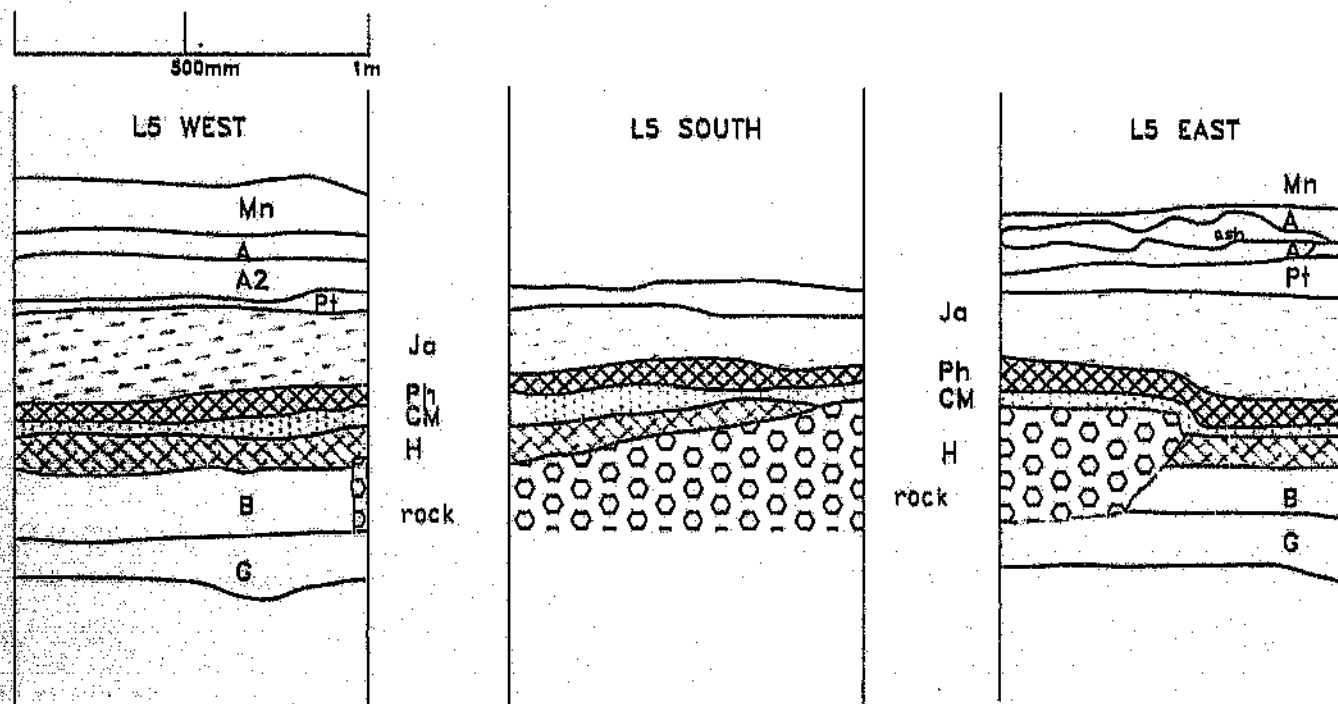


FIGURE 6: Stratigraphy, square L5

				M5	L5	K5	J5
Q4	P4	O4	N4	M4	L4	K4	J4
Q3	P3	O3	N3	M3	L3	K3	J3

FIGURE 3: Location of section drawings

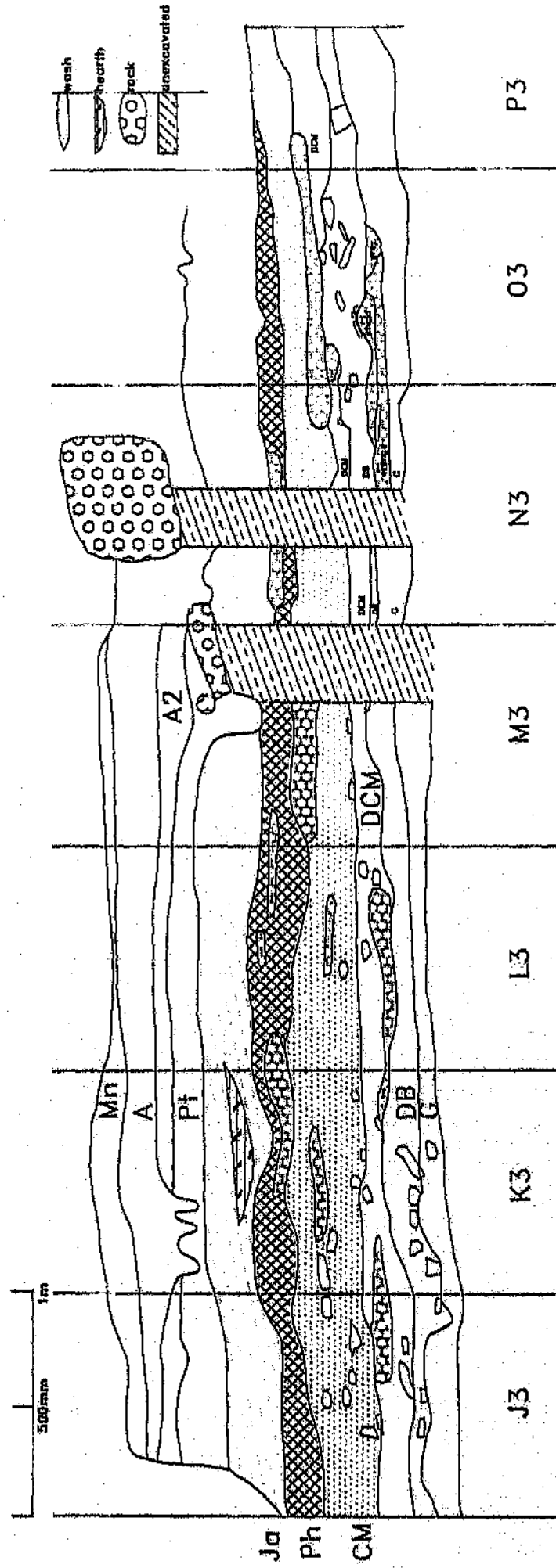


FIGURE 5: Stratigraphy, South section

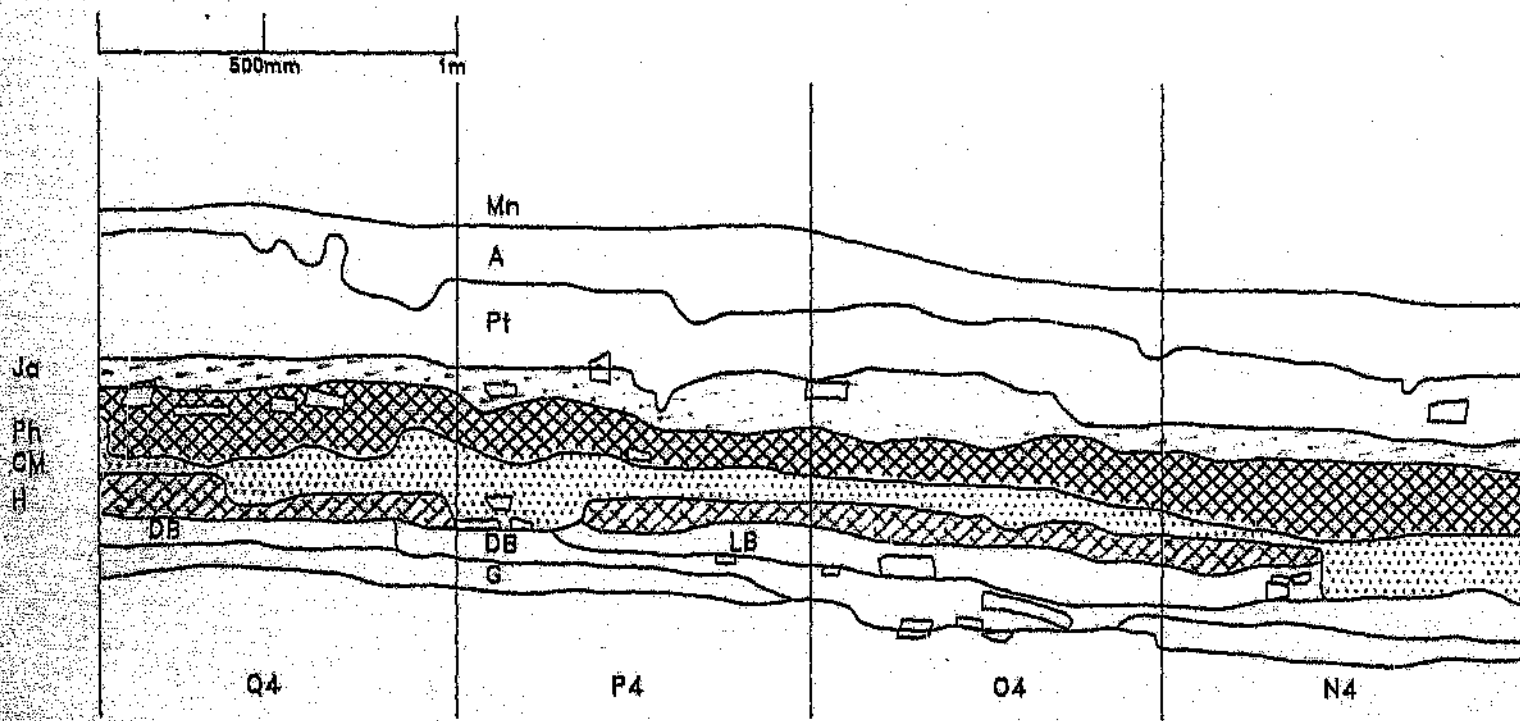


FIGURE 4: Stratigraphy, North section

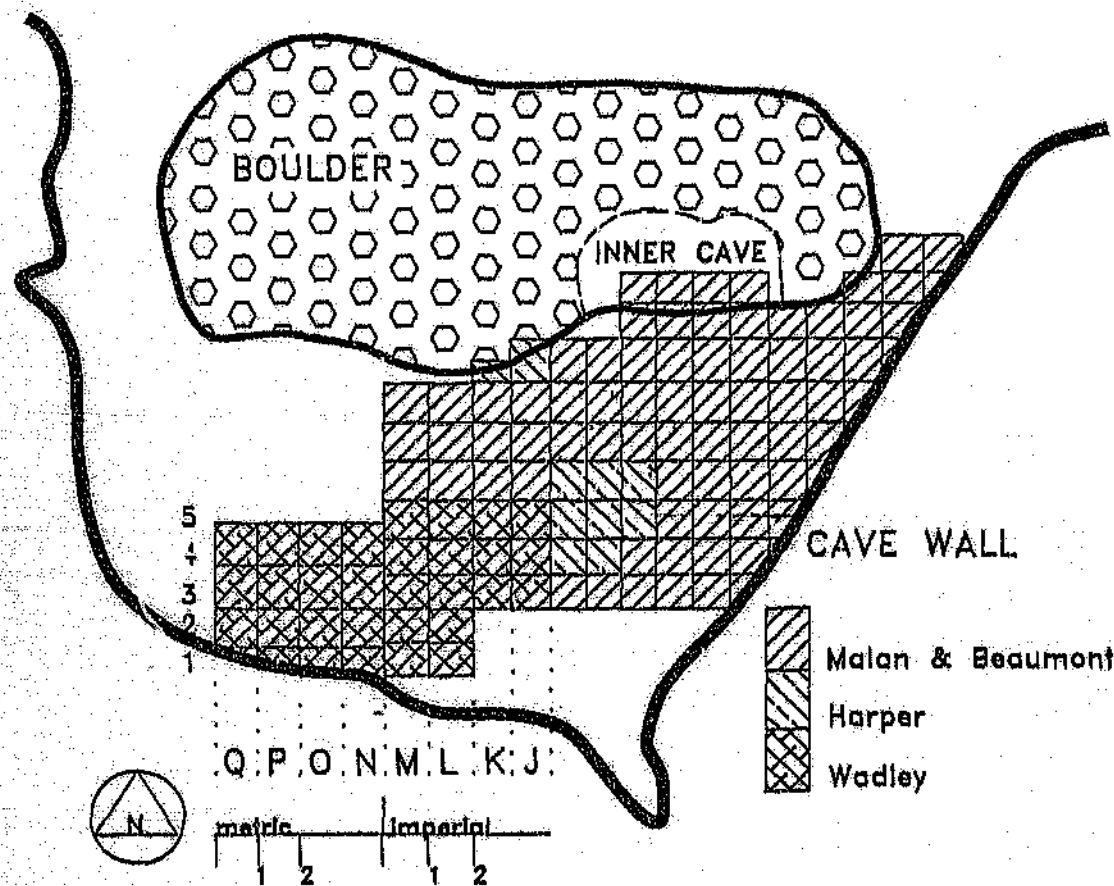


FIGURE 2: Plan drawing,
Rose Cottage Cave
(drawn after Wadley
& Harper 1989)

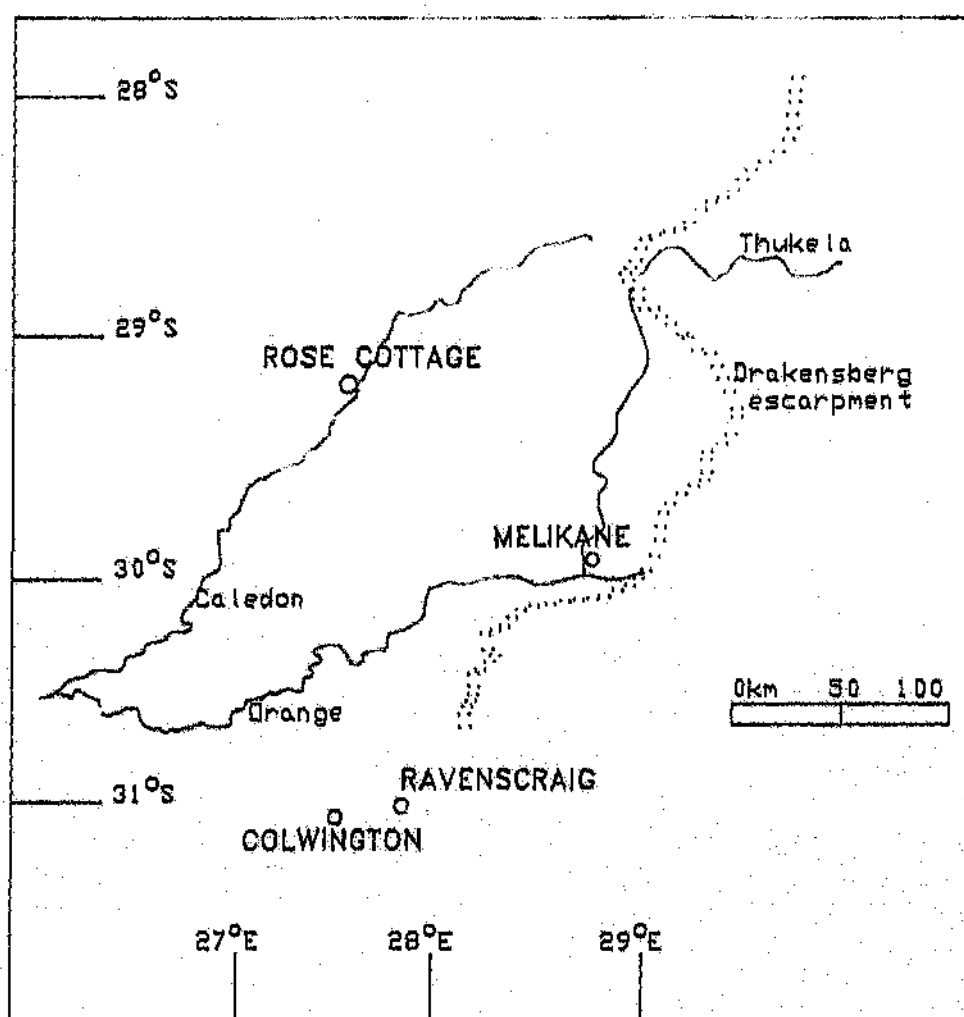


FIGURE 1: Geographical location of Rose Cottage Cave
(drawn after Wadley 1991)

FIGURES

TABLE 46: (cont.)
DCM level, standardised

Combined		Non-formal		Formal	
chunk	1	-0.0794	chunk	1	-0.106
chip	1	-0.0794	chip	1	-0.106
irregular	1	-0.0794	irregular	1	-0.106
bladelet 1 plat	1	-0.0794	bladelet 1 plat	1	-0.106
bladelet 2 plat	1	-0.0794	bladelet 2 plat	1	-0.106
flat bladelet	1	-0.0794	flat bladelet	1	-0.106
core reduc 1 plat	1	-0.0794	core reduc 1 plat	1	-0.106
core reduc 2 plat	1	-0.0794	core reduc 2 plat	1	-0.106
rice grain	1	-0.0794	rice grain	1	-0.106
bipolar	1	-0.0794	bipolar	1	-0.106
parallel sided	1	-0.0794	parallel sided	1	-0.106
pointed	1	-0.0794	pointed	1	-0.106
thick triangular	1	-0.0794	thick triangular	1	-0.106
irregular	1	-0.0794	irregular	1	-0.106
parallel sided	1	-0.0794	parallel sided	1	-0.106
pointed	1	-0.0794	pointed	1	-0.106
thick triangular	1	-0.0794	thick triangular	1	-0.106
irregular	1	-0.0794	irregular	1	-0.106
distal	1	-0.0794	distal	1	-0.106
medial	1	-0.0794	medial	1	-0.106
proximal	1	-0.0794	proximal	1	-0.106
core rel. flake	1	-0.0794	core rel. flake	1	-0.106
endstruck 30+mm	1	-0.0794	endstruck 30+mm	1	-0.106
endstruck <30mm	1	-0.0794	endstruck <30mm	1	-0.106
sidestruck 30+mm	1	-0.0794	sidestruck 30+mm	1	-0.106
sidestruck <30mm	1	-0.0794	sidestruck <30mm	1	-0.106
endstruck 30+mm	1	-0.0794	endstruck 30+mm	1	-0.106
endstruck <30mm	1	-0.0794	endstruck <30mm	1	-0.106
sidestruck 30+mm	1	-0.0794	sidestruck 30+mm	1	-0.106
sidestruck <30mm	1	-0.0794	sidestruck <30mm	1	-0.106
distal	1	-0.0794	distal	1	-0.106
medial	1	-0.0794	medial	1	-0.106
proximal	1	-0.0794	proximal	1	-0.106
end	1	-0.0794	end	1	-0.106
side	1	-0.0794	side	1	-0.106
high backed	1	-0.0794	high backed	1	-0.106
medium backed	1	-0.0794	medium backed	1	-0.106
end	1	-0.0794	end	1	-0.106
high backed	1	-0.0794	high backed	1	-0.106
backed blade	1	-0.0794	backed blade	1	-0.106
backed blot	1	-0.0794	backed blot	1	-0.106
segment	1	-0.0794	segment	1	-0.106
misc backed	1	-0.0794	misc backed	1	-0.106
broken backed	1	-0.0794	broken backed	1	-0.106
spokeshave	1	-0.0794	spokeshave	1	-0.106
awl	1	-0.0794	awl	1	-0.106
borer	1	-0.0794	borer	1	-0.106
miscellaneous	1	-0.0794	miscellaneous	1	-0.106
MSA tool	1	-0.0794	MSA tool	1	-0.106
TOTAL	48		Sub Total	33	
Categories	48		Categories	33	
Diversity		-3.6510	Diversity		-3.4995
Richness		12.3336	Richness		9.15199
Evenness		-1	Evenness		-1

TABLE 46: (cont.)
DCM level

Combined		Non-formal		Formal				
chunk	1553	-0.2911	chunk	1553	-0.282	end	1	-0.113
chip	4964	-0.3455	chip	4964	-0.345	side	2	-0.181
irregular	75	-0.0371	irregular	75	-0.037	high backed	1	-0.113
bladelet 1 plat	113	-0.0512	bladelet 1 plat	113	-0.051	medium backed	1	-0.113
bladelet 2 plat	15	-0.0099	bladelet 2 plat	15	-0.01	end	2	-0.181
flat bladelet	42	-0.0233	flat bladelet	42	-0.023	high backed	1	-0.113
core reduc 1 plat	28	-0.0157	core reduc 1 plat	28	-0.016	backed blade	1	-0.113
core reduc 2 plat	32	-0.0186	core reduc 2 pla.	32	-0.019	backed blt	3	-0.23
rice grain	19	-0.012	rice grain	19	-0.012	segment	1	-0.113
bipolar	5	-0.0038	bipolar	5	-0.004	misc backed	2	-0.181
parallel sided	6	-0.0045	parallel sided	6	-0.005	broken backed	2	-0.181
pointed	7	-0.0051	pointed	7	-0.005	spokeshave	2	-0.181
thick triangular	6	-0.0045	thick triangular	6	-0.005	awl	1	-0.113
irregular	17	-0.011	irregular	17	-0.011	borer	1	-0.113
parallel sided	155	-0.0853	parallel sided	155	0.065	miscellaneous	1	-0.113
pointed	62	-0.0319	pointed	62	-0.032	MSA tool	8	-0.352
thick triangular	72	-0.0359	thick triangular	72	-0.036	Sub Total	30	
irregular	396	-0.1291	irregular	396	-0.129	Categories	16	
distal	114	-0.0516	distal	114	-0.052	Diversity		-2.506
medial	140	-0.0604	medial	140	-0.061	Richness		4.4102
proximal	309	-0.1085	proximal	309	-0.109	Evenness		-0.904
core rej. flake	31	-0.0181	core rej. flake	31	-0.018	Diversity/standard		0.9038
endstruck 30+ mm	7	-0.0051	endstruck 30+ mm	7	-0.005	Richness/standard		0.8152
endstruck <30mm	218	-0.0843	endstruck <30mm	218	-0.084	Evenness/standard		0.8036
eldestruck 30+mm	2	-0.0017	eldestruck 30+mm	2	-0.002			
eldestruck <30mm	76	-0.0375	eldestruck <30mm	76	-0.038			
endstruck 30+ mm	27	-0.0162	endstruck 30+ mm	27	-0.016			
endstruck <30mm	735	-0.1935	endstruck <30mm	735	-0.194			
eldestruck 30+ mm	22	-0.0136	eldestruck 30+ mm	22	-0.014			
eldestruck <30mm	309	-0.1085	eldestruck <30mm	309	-0.109			
distal	50	-0.0268	distal	50	-0.027			
medial	42	-0.0233	medial	42	-0.023			
proximal	182	-0.0737	proximal	182	-0.074			
end	1	-0.0009	Sub Total	5820				
side	2	-0.0017	Categories	33				
high backed	1	-0.0009	Diversity		-1.921			
medium backed	1	-0.0009	Richness		3.4609			
end	2	-0.0017	Evenness		-0.549			
high backed	1	-0.0009	Diversity/standard		0.5495			
backed blade	1	-0.0009	Richness/standard		0.8803			
backed blt	3	-0.0025	Evenness/standard		0.5495			
segment	1	-0.0009						
misc backed	2	-0.0017						
broken backed	2	-0.0017						
spokeshave	2	-0.0017						
awl	1	-0.0009						
borer	1	-0.0009						
miscellaneous	1	-0.0009						
MSA tool	8	-0.0058						
TOTAL	9859							
Categories	49							
Diversity		-1.9437						
Richness		5.21958						
Evenness		-0.4894						
Diversity/standard		0.49944						
Richness/standard		0.4232						
Evenness/standard		0.49944						

TABLE 46: (cont.)
H level

J5				J6			
Combined		Non-formal	Formal	Combined		Non-formal	Formal
chunk	20	-0.000	chunk 20 -0.001	chunk	1	-0.181	chunk 1 -0.187
chip	50	-0.355	chip 50 -0.354	chip	1	-0.181	chip 1 -0.187
manupori	1	-0.040	manupori 1 -0.040	manupori	1	-0.181	manupori 1 -0.187
irregular	3	-0.003	irregular 3 -0.003	irregular	1	-0.181	irregular 1 -0.187
blacklet 1 pit	1	-0.040	blacklet 1 pit 1 -0.040	blacklet 1 pit	1	-0.181	blacklet 1 pit 1 -0.187
some nodes 1 pit	1	-0.040	some nodes 1 pit 1 -0.040	some nodes 1 pit	1	-0.181	some nodes 1 pit 1 -0.187
fat pit bld cor	0	-0.003	fat pit bld cor 0 -0.003	fat pit bld cor	1	-0.181	fat pit bld cor 1 -0.187
parallel sided	2	-0.003	parallel sided 2 -0.003	parallel sided	1	-0.181	parallel sided 1 -0.187
irregular	5	-0.183	irregular 5 -0.184	irregular	1	-0.181	irregular 1 -0.187
distal	1	-0.040	distal 1 -0.040	distal	1	-0.181	distal 1 -0.187
medial	1	-0.040	medial 1 -0.040	medial	1	-0.181	medial 1 -0.187
proximal	1	-0.040	proximal 1 -0.040	proximal	1	-0.181	proximal 1 -0.187
endstruck 30+mm	1	-0.040	endstruck 30+mm 1 -0.040	endstruck 30+mm	1	-0.181	endstruck 30+mm 1 -0.187
endstruck <30mm	6	-0.181	endstruck <30mm 6 -0.182	endstruck <30mm	1	-0.181	endstruck <30mm 1 -0.187
sidestruck <30mm	8	-0.181	sidestruck <30mm 8 -0.181	sidestruck <30mm	1	-0.181	sidestruck <30mm 1 -0.187
distal	5	-0.183	distal 5 -0.184	distal	1	-0.181	distal 1 -0.187
proximal	3	-0.003	proximal 3 -0.003	proximal	1	-0.181	proximal 1 -0.187
not bckd knife	1	-0.040	not bckd knife 1 -0.040	not bckd knife	1	-0.181	not bckd knife 1 -0.187
TOTAL	118		TOTAL 118	TOTAL	10		TOTAL 17
Diversity	-1.821		Diversity -1.860	Diversity	-2.880		Diversity -2.833
Richness	0.557		Richness 0.554	Richness	0.582		Richness 0.547
Evenness	-0.008		Evenness -0.007	Evenness	-1.000		Evenness -1.000
Diversity/Standard	0.0047		Diversity/Standard 0.0040				
Richness/Standard	0.0040		Richness/Standard 0.0039				
Evenness/Standard	0.0047		Evenness/Standard 0.0040				

J5				J6			
Combined		Non-formal	Formal	Combined		Non-formal	Formal
chunk	21	-0.000	chunk 21 -0.000	chunk	1	-0.181	chunk 1 -0.187
chip	50	-0.357	chip 50 -0.350	chip	1	-0.181	chip 1 -0.187
manupori	1	-0.040	manupori 1 -0.040	manupori	1	-0.181	manupori 1 -0.187
irregular	3	-0.003	irregular 3 -0.003	irregular	1	-0.181	irregular 1 -0.187
blacklet 2 pit	1	-0.040	blacklet 2 pit 1 -0.040	blacklet 2 pit	1	-0.181	blacklet 2 pit 1 -0.187
fat blacklet	1	-0.040	fat blacklet 1 -0.040	fat blacklet	1	-0.181	fat blacklet 1 -0.187
irregular	1	-0.040	irregular 1 -0.040	irregular	1	-0.181	irregular 1 -0.187
medial	1	-0.040	medial 1 -0.040	medial	1	-0.181	medial 1 -0.187
proximal	1	-0.040	proximal 1 -0.040	proximal	1	-0.181	proximal 1 -0.187
endstruck <30mm	1	-0.040	endstruck <30mm 1 -0.040	endstruck <30mm	1	-0.181	endstruck <30mm 1 -0.187
sidestruck 30+mm	1	-0.040	sidestruck 30+mm 1 -0.040	sidestruck 30+mm	1	-0.181	sidestruck 30+mm 1 -0.187
sidestruck <30mm	1	-0.040	sidestruck <30mm 1 -0.040	sidestruck <30mm	1	-0.181	sidestruck <30mm 1 -0.187
endstruck 30+mm	4	-0.114	endstruck 30+mm 4 -0.110	endstruck 30+mm	1	-0.181	endstruck 30+mm 1 -0.187
endstruck <30mm	7	-0.107	endstruck <30mm 7 -0.107	endstruck <30mm	1	-0.181	endstruck <30mm 1 -0.187
sidestruck <30mm	12	-0.223	sidestruck <30mm 12 -0.224	sidestruck <30mm	1	-0.181	sidestruck <30mm 1 -0.187
distal	3	-0.003	distal 3 -0.000	distal	1	-0.181	distal 1 -0.187
proximal	3	-0.003	proximal 3 -0.000	proximal	1	-0.181	proximal 1 -0.187
end & adling	1	-0.040	end & adling 1 -0.040	end & adling	1	-0.181	end & adling 1 -0.187
miscellaneous	1	-0.040	miscellaneous 1 -0.040	miscellaneous	1	-0.181	miscellaneous 1 -0.187
TOTAL	128		TOTAL 128	TOTAL	10		TOTAL 17
Diversity	-1.913		Diversity -1.893	Diversity	-2.880		Diversity -2.833
Richness	0.710		Richness 0.676	Richness	0.582		Richness 0.547
Evenness	-0.016		Evenness -0.009	Evenness	-1.000		Evenness -1.000

TABLE 46: (cont.)
H level

K5 Combined		Non-formal		Formal		rat bekd knife	
chunk	20	-0.300	chunk	20	-0.301		
chip	58	-0.359	chip	58	-0.354 Subtotal		
manuport	1	-0.040	manuport	1	-0.040		
irregular	3	-0.093	irregular	3	-0.093 Diversity		
bladelet 1 phl	1	-0.040	bladelet 1 phl	1	-0.040 Richness		
core meduc 1 phl	1	-0.040	core meduc 1 phl	1	-0.040 Evenness		
flit phl bld cor	3	-0.083	flit phl bld cor	3	-0.083 Diversity/Standard		
parallel sided	2	-0.069	parallel sided	2	-0.069 Richness/Standard		
irregular	5	-0.133	irregular	5	-0.134 Evenness/Standard		
distal	1	-0.040	distal	1	-0.040		
medial	1	-0.040	medial	1	-0.040		
proximal	1	-0.040	proximal	1	-0.040		
endstruck 30+mm	1	-0.040	endstruck 30+mm	1	-0.040		
endstruck <30mm	8	-0.181	endstruck <30mm	8	-0.182		
sidestruck <30mm	8	-0.181	sidestruck <30mm	8	-0.181		
distal	5	-0.133	distal	5	-0.134		
proximal	3	-0.083	proximal	3	-0.083		
rat bekd knife	1	-0.040 Subtotal		118			
TOTAL	118						
Diversity		-1.881	Diversity		-1.889		
Richness		1.587	Richness		3.354		
Evenness		-0.089	Evenness		-0.087		
Diversity/Standard		0.0047	Diversity/Standard		0.0056		
Richness/Standard		0.0048	Richness/Standard		0.0039		
Evenness/Standard		0.0047	Evenness/Standard		0.0068		

Combined		Non-formal		Formal		and & adzing	
chunk	21	-0.309	chunk	21	-0.309		
chip	58	-0.327	chip	58	-0.339		
manuport	1	-0.040	manuport	1	-0.038 Subtotal		
irregular	3	-0.093	irregular	3	-0.093		
bladelet 2 phl	1	-0.040	bladelet 2 phl	1	-0.038 Diversity		
flit bladelet	1	-0.040	flit bladelet	1	-0.038 Richness		
irregular	1	-0.040	irregular	1	-0.039 Evenness		
medial	1	-0.040	medial	1	-0.038 Diversity/Standard		
proximal	1	-0.040	proximal	1	-0.038 Richness/Standard		
endstruck <30mm	1	-0.040	endstruck <30mm	1	-0.039 Evenness/Standard		
sidestruck 30+mm	1	-0.040	sidestruck 30+mm	1	-0.039		
sidestruck <30mm	1	-0.040	sidestruck <30mm	1	-0.039		
endstruck 30+mm	4	-0.114	endstruck 30+mm	4	-0.110		
endstruck <30mm	7	-0.187	endstruck <30mm	7	-0.181		
sidestruck <30mm	12	-0.231	sidestruck <30mm	12	-0.224		
distal	3	-0.089	distal	3	-0.089		
proximal	3	-0.089	proximal	3	-0.089		
end & adzing	1	-0.040 Subtotal		128			
miscellaneous	1	-0.040					
TOTAL	128						
Diversity		-1.913	Diversity		-1.883		
Richness		3.710	Richness		3.300		
Evenness		-0.018	Evenness		-0.020		
Diversity/Standard		0.0070	Diversity/Standard		0.0050		
Richness/Standard		0.0048	Richness/Standard		0.0050		

L5 Combined		Non-formal		Formal		rat bekd knife	
chunk	1	-0.181	chunk	1	-0.181		
chip	1	-0.181	chip	1	-0.181 Subtotal		
manuport	1	-0.181	manuport	1	-0.181		
irregular	1	-0.181	irregular	1	-0.181 Diversity		
bladelet 1 phl	1	-0.181	bladelet 1 phl	1	-0.181 Richness		
core meduc 1 phl	1	-0.181	core meduc 1 phl	1	-0.181 Evenness		
flit phl bld cor	1	-0.181	flit phl bld cor	1	-0.181		
parallel sided	1	-0.181	parallel sided	1	-0.181		
irregular	1	-0.181	irregular	1	-0.181		
distal	1	-0.181	distal	1	-0.181		
medial	1	-0.181	medial	1	-0.181		
proximal	1	-0.181	proximal	1	-0.181		
endstruck 30+mm	1	-0.181	endstruck 30+mm	1	-0.181		
endstruck <30mm	1	-0.181	endstruck <30mm	1	-0.181		
sidestruck <30mm	1	-0.181	sidestruck <30mm	1	-0.181		
distal	1	-0.181	distal	1	-0.181		
proximal	1	-0.181	proximal	1	-0.181		
rat bekd knife	1	-0.181 Subtotal		17			
TOTAL	18						
Diversity		-2.833	Diversity		-2.833		
Richness		5.882	Richness		5.847		
Evenness		-1.000	Evenness		-1.000		

Combined		Non-formal		Formal		and & adzing	
chunk	1	-0.181	chunk	1	-0.181		
chip	1	-0.181	chip	1	-0.181		
manuport	1	-0.181	manuport	1	-0.181 Subtotal		
irregular	1	-0.181	irregular	1	-0.181		
bladelet 2 phl	1	-0.181	bladelet 2 phl	1	-0.181 Diversity		
flit bladelet	1	-0.181	flit bladelet	1	-0.181 Richness		
irregular	1	-0.181	irregular	1	-0.181 Evenness		
medial	1	-0.181	medial	1	-0.181		
proximal	1	-0.181	proximal	1	-0.181		
endstruck <30mm	1	-0.181	endstruck <30mm	1	-0.181		
sidestruck 30+mm	1	-0.181	sidestruck 30+mm	1	-0.181		
sidestruck <30mm	1	-0.181	sidestruck <30mm	1	-0.181		
endstruck 30+mm	1	-0.181	endstruck 30+mm	1	-0.181		
endstruck <30mm	1	-0.181	endstruck <30mm	1	-0.181		
sidestruck <30mm	1	-0.181	sidestruck <30mm	1	-0.181		
distal	1	-0.181	distal	1	-0.181		
proximal	1	-0.181	proximal	1	-0.181		
end & adzing	1	-0.181 Subtotal		17			
miscellaneous	1	-0.181					
TOTAL	18						
Diversity		-2.833	Diversity		-2.833		
Richness		5.847	Richness		5.847		
Evenness		-1.000	Evenness		-1.000		

Re-worked Non-formal									
	Q	P	O	N	M	L	K	J	
5					21	6			
4	3	9	7	4		2			
total	52								
avg	5.7778								

Difference between observed and expected									
	Q	P	O	N	M	L	K	J	
5					15.22	0.22	-5.78	-5.78	
4	-2.78	3.22	1.22	-1.78		-3.78			

positive percentages									
	Q	P	O	N	M	L	K	J	
		16.20%	6.15%		76.54%	1.12%			
total	100.00%								

FIGURE 13: H level, spatial distribution re-worked stone material

Utilised Non-formal

	Q	P	Q	N	M	L	K	J
5					4	10	5	3
4	2	19	22	8		9		
total	82							
avg	8.1111							

difference between observed and expected

	Q	P	Q	N	M	L	K	J
5					-5.111	0.8889	-4.111	-6.111
4	-7.111	9.8889	12.889	-1.111		-0.111		

positive percentages

	Q	P	Q	N	M	L	K	J
5						3.76%		
4		41.78%	54.46%					
total	100.00%							

Utilised end-struck

	Q	P	Q	N	M	L	K	J
5						3	1	1
4		3	3	4				
total	15							
avg	1.6667							

difference between observed and expected

	Q	P	Q	N	M	L	K	J
5					-1.667	1.3333	-0.667	-0.667
4	-1.667	1.3333	1.3333	2.3333		-1.667		

positive percentages

	Q	P	Q	N	M	L	K	J
5						21.05%		
4		21.05%	21.05%	36.84%				
total	100.00%							

Utilised side-struck

	Q	P	Q	N	M	L	K	J
5						2	1	
4		1	8					
total	10							
avg	1.1111							

difference between observed and expected

	Q	P	Q	N	M	L	K	J
5					-1.111	0.8889	-0.111	-1.111
4	-1.111	-0.111	4.8889	-1.111		-1.111		

positive percentages

	Q	P	Q	N	M	L	K	J
5						18.98%		
4			84.82%					
total	100.00%							

FIGURE 12: H level, spatial distribution, utilised stone material

Cortical flakes (side- and end-struck)

	Q	P	O	N	M	L	K	J
5					3	9	0	3
4	1	15	14	8		5		
total	58							
avg	6.4444							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-3.444	2.5556	-6.444	-3.444
4	-5.444	8.5556	7.5556	1.5556		-1.444		

positive percentages

	Q	P	O	N	M	L	K	J
5						12.64%		
4		42.31%	37.36%	7.69%				
total	100.00%							

Non-cortical (side- and end-struck)

	Q	P	O	N	M	L	K	J
5					47	55	15	23
4	44	82	79	40		38		
total	423							
avg	47							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					0	8	-32	-24
4	-3	35	32	-7		-9		

positive percentages

	Q	P	O	N	M	L	K	J
5						10.67%		
4		46.67%	42.67%					
total	100.00%							

FIGURE 11: (cont.)

End-struck (cortical and non-cortical)

	Q	P	O	N	M	L	K	J
5					18	24	9	12
4	19	54	38	16		22		
total	212							
avg	23.556							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-5.556	0.4444	-14.56	-11.56
4	-4.556	30.444	14.444	-7.556		-1.556		

positive percentages

	Q	P	O	N	M	L	K	J
5						0.98%		
4		67.16%	31.86%					
total	100.00%							

Side-struck (cortical and non-cortical)

	Q	P	O	N	M	L	K	J
5					32	40	6	14
4	27	43	55	32		21		
total	270							
avg	30							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					2	10	-24	-16
4	-3	13	25	2		-9		

positive percentages

	Q	P	O	N	M	L	K	J
5					3.85%	19.23%		
4		25.00%	48.08%	3.85%				
total	100.00%							

FIGURE 11: (cont.)

Cores

	Q	P	O	N	M	L	K	J
5					21	18	8	3
4	9	29	14	16		5		
total	123							
avg	13.667							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					7.3333	4.3333	-5.667	-10.67
4	-4.667	15.333	0.3333	2.3333		-8.667		

positive percentages

	Q	P	O	N	M	L	K	J
5					24.72%	14.61%		
4		51.69%	1.12%	7.87%				
total	100.00%							

Chips and chunks

	Q	P	O	N	M	L	K	J
5					247	244	76	87
4	321	258	387	180		148		
total	1948							
avg	216.44							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					30.556	27.556	-140.4	-129.4
4	104.56	41.556	170.56	-36.44		-68.44		

positive percentages

	Q	P	O	N	M	L	K	J
5					8.15%	7.35%		
4	27.90%	11.09%	45.51%					
total	100.00%							

FIGURE 11: (cont.)

Scrapers

	Q	P	O	N	M	L	K	J
5					2	1		1
4	3		1	1				
total	3		1	1				
avg	1							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					1	0		0
4	2		0	0				

positive percentages

	Q	P	O	N	M	L	K	J
5					33.33%			
4	66.67%							
total	100.00%							

Backed tools

	Q	P	O	N	M	L	K	J
5					1	2		
4								
total					3			
avg					0.3333			

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					0.6667	1.6667		
4								

positive percentages

	Q	P	O	N	M	L	K	J
5					28.57%	71.43%		
4								
total	100.00%							

Adzes & spokeshaves

	Q	P	O	N	M	L	K	J
5								
4		1		1		2		
total		4						
avg		0.4444						

difference between observed and expected

	Q	P	O	N	M	L	K	J
5								
4		0.5556		0.5556		1.5556		

positive percentages

	Q	P	O	N	M	L	K	J
5								
4		20.83%		20.83%		58.33%		
total	100.00%							

FIGURE 11: (cont.)

Non-formal

	Q	P	O	N	M	L	K	J
5					371	372	118	126
4	404	438	541	276		227		
total	2873							
avg	319,22							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					51.778	52.778	-201.2	-193.2
4	84.778	118.78	221.78	-43.22		-92.22		

positive percentages

	Q	P	O	N	M	L	K	J
5					9.77%	9.96%		
4	16.00%	22.42%	41.85%					
total	100.00%							

Formal

	Q	P	O	N	M	L	K	J
5					10	9	1	2
4	7	6	3	5		1		
total	44							
avg	4.8889							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					5.1111	4.1111	-3.889	-2.889
4	2.1111	1.1111	-1.889	0.1111		-3.889		

positive percentages

	Q	P	O	N	M	L	K	J
5					40.71%	32.74%		
4	16.81%	8.85%		0.88%				
total	100.00%							

FIGURE 11: H level, spatial distribution stone material

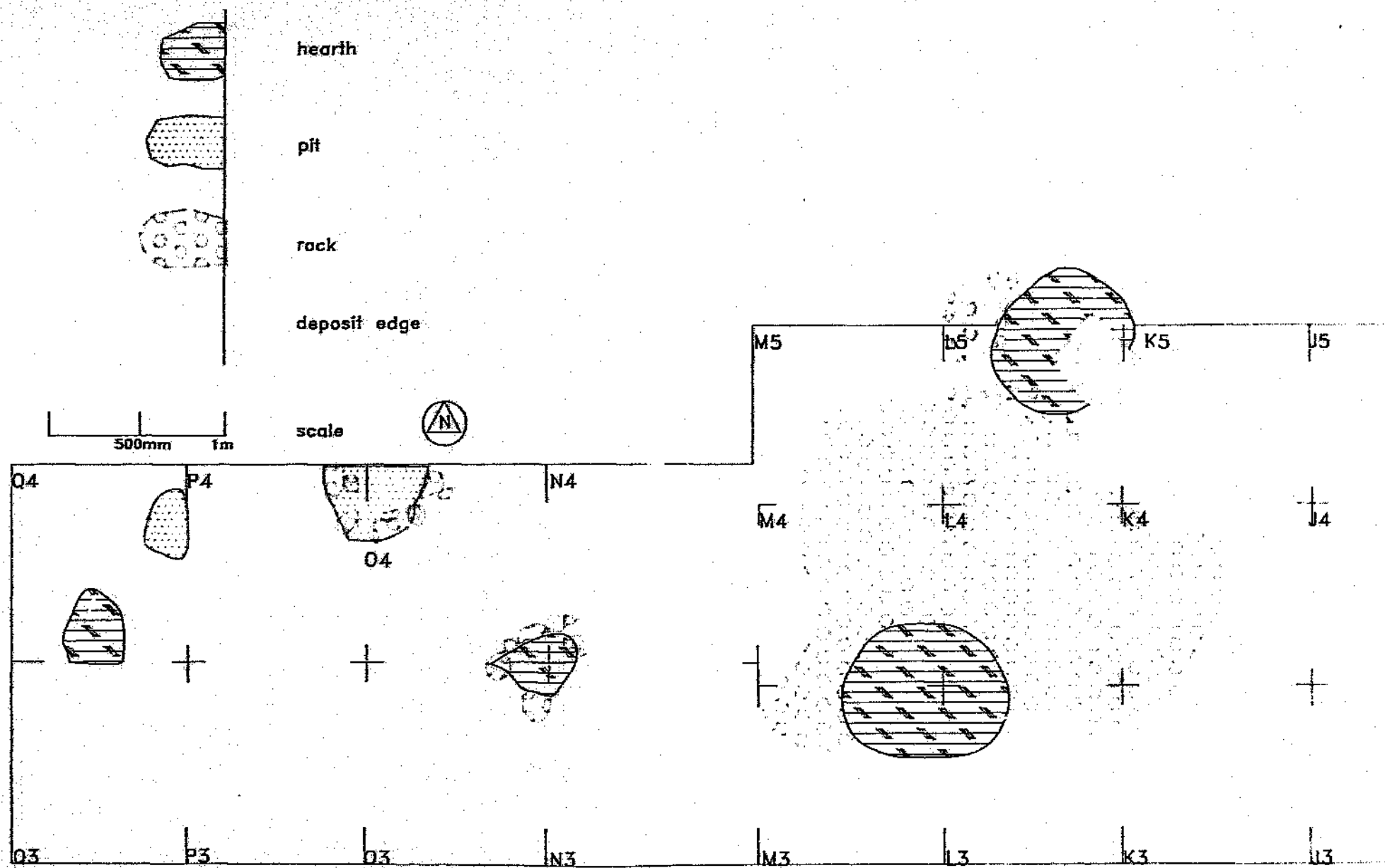
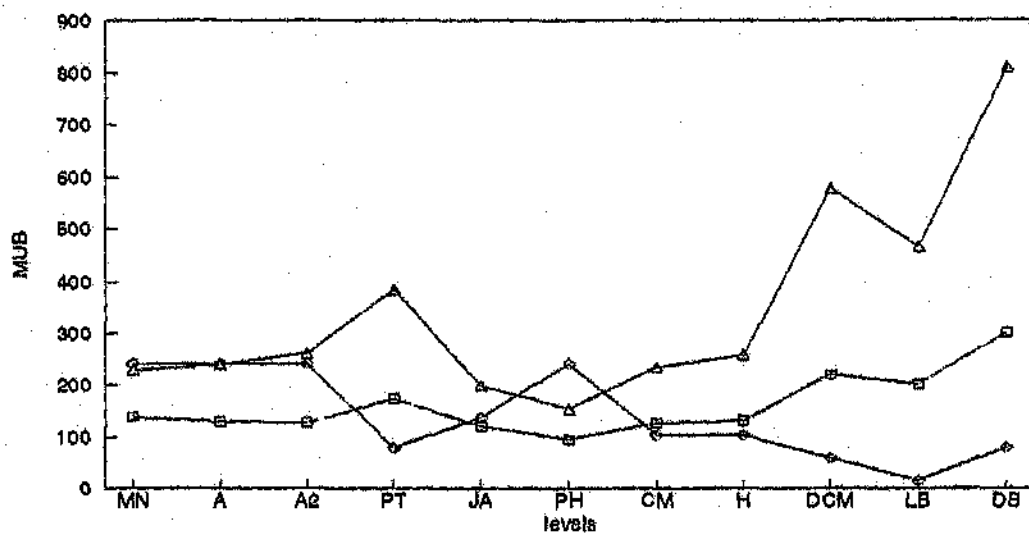
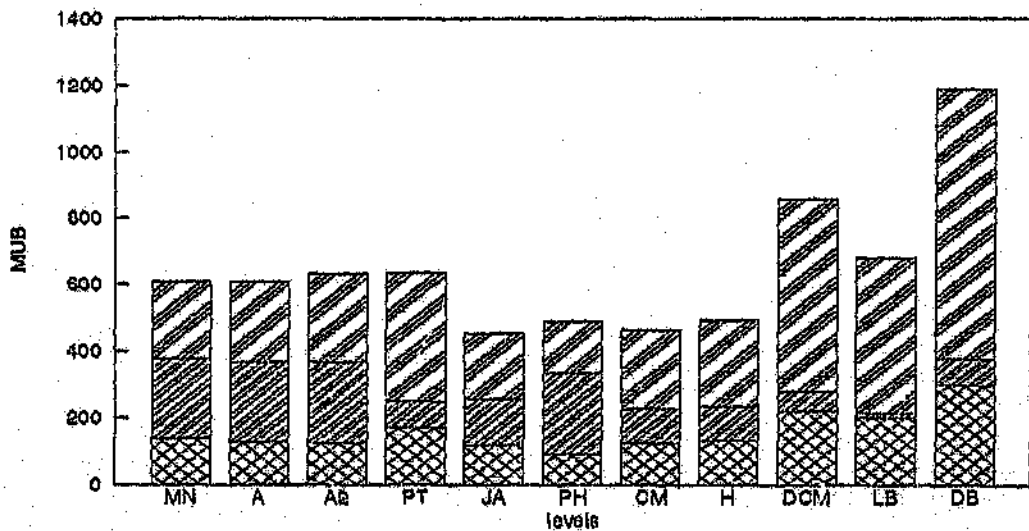


FIGURE 10: H level, plandrawing



—□— Mean Ungulate Biomass (archaeological) —◇— Mean Ungulate Biomass (expected)
 —△— Mean Ungulate Biomass (corrected)



—▨— Mean Ungulate Biomass (archaeological) —▧— Mean Ungulate Biomass (expected)
 —▩— Mean Ungulate Biomass (corrected)

FIGURE 9: Mean Ungulate Biomass (kg)

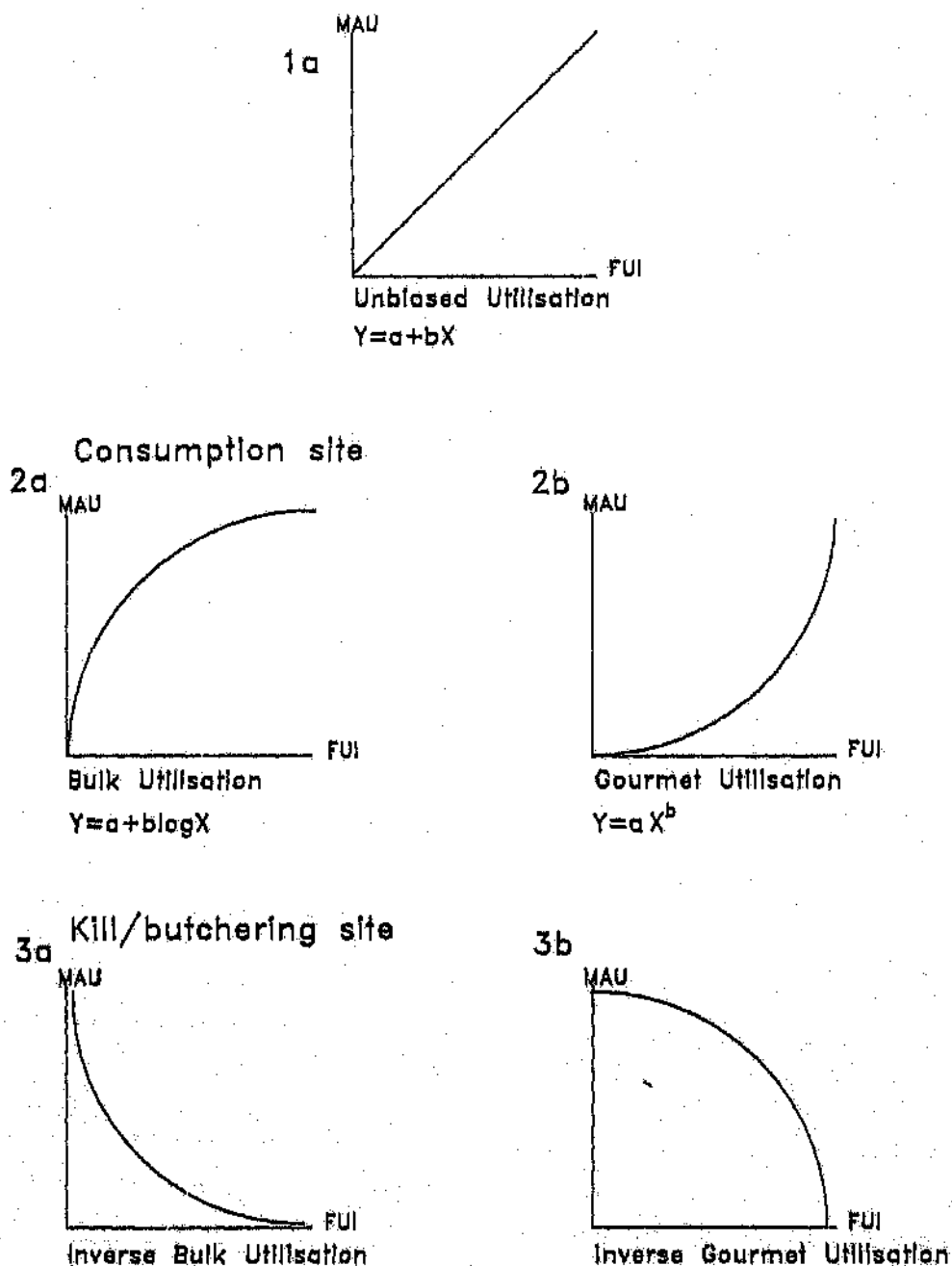


FIGURE 8: Utility Strategies for artiodactyla skeletons

COM level

	Q	P	O	N	M	L	K	J
5								
4						1.00		
3		8.00	11.50	4.00	4.25	11.00	2.00	6.00
Total	47.75							
avg	5.97							

LB level

	Q	P	O	N	M	L	K	J
5					2.00	8.00	8.5	9.00
4		3.00	3.75					5.00
3							1.25	3.00
Total	43.50							
avg	4.83							

DB level

	Q	P	O	N	M	L	K	J
5					8.00	9.00		3.00
4	1.63	3.50	14.62	15.50	4.00		21.00	3.50
3		6.58	10.45	10.00	13.37	8.62	11.50	3.83
Total	148.10							
avg	8.71							

Rose Cottage Cave TOTAL

	Q	P	O	N	M	L	K	J
5					67.30	89.87	60.25	36.50
4	125.00	118.55	110.37	115.25	92.35	60.00	81.00	38.00
3	91.73	136.58	138.98	117.50	106.88	91.37	112.00	55.83
2	38.50	38.00	27.00	22.00	15.00	31.00		
1	10.50	12.00			32.00	17.00		
Total	2088.31							
avg	69.61							

FIGURE 7: (cont.)

Ja level

	Q	P	O	N	M	L	K	J
5					1.25	29.00	26.00	8.00
4	31.25	21.75	9.00	5.00	10.25	15.00	18.25	12.00
3	36.25	33.00	24.78	21.25	9.75	21.00	27.50	14.00
Total	374.28							
avg	18.71							

Ph level

	Q	P	O	N	M	L	K	J
5					11.00	5.00	9.50	11.00
4	11.00	18.00	14.75	23.00	29.00	9.50	8.00	5.50
3	11.50	15.00	14.50	11.50	9.33	11.00		5.00
Total	233.08							
avg	12.27							

CM level

	Q	P	O	N	M	L	K	J
5					11.00			
4	24.75	17.75	9.50	21.00	6.00		20.50	12.00
3	6.00	27.00	34.25	13.25	8.60	11.50	18.00	23.00
Total	264.10							
avg	16.51							

H level

	Q	P	O	N	M	L	K	J
5					3.00	16.87	3.00	5.50
4	5.00	10.75	16.75	3.50		6.50		
Total	70.87							
avg	1.00							

FIGURE 7:

EVENNESS, Formal, observed

	Q	P	O	N	M	L	K	J
5					-0.898	-0.971	0	1
4	-0.917	-0.963	1	-0.981		0		
	-2.71							
	-0.9011							

EVENNESS, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5					-0.5989	-0.6999	0.30111	1.30111
4	-0.6159	-0.6619	1.30111	-0.8599		0.30111		

EVENNESS, Non-formal, observed

	Q	P	O	N	M	L	K	J
5					0.898	0.605	0.698	0.597
4	0.473	0.858	0.561	0.533		0.628		
	5.408							
	0.60087							

EVENNESS, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5					-0.0027	0.00433	0.08533	-0.0037
4	-0.1277	0.05732	-0.0497	0.03293		0.02433		

EVENNESS, Formal, observed

	Q	P	O	N	M	L	K	J
5					0.9	0.97	0	1
4	0.6185	0.853	1	0.96		0		
	6.7035							
	0.7455							

EVENNESS, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5					0.1545	0.2245	-0.7455	0.2545
4	0.171	0.2175	0.2545	0.2145		-0.7455		

EVENNESS, Non-formal, observed

	Q	P	O	N	M	L	K	J
5					0.8988	0.6058	0.6988	0.5978
4	0.4738	0.8588	0.561	0.5335		0.628		
	5.4115							
	0.60128							

EVENNESS, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5					-0.0027	0.00432	0.08532	-0.0037
4	-0.1276	0.05732	-0.0503	0.03222		0.02472		

TABLE 16: (cont.)

RICHNESS, Formal, observed

	Q	P	O	N	M	L	K	J
5					2.1714	2.731	0	1.443
4	2.0555	2.055	1.8204	1.864		0		
	14.1418							
	1.57126							

RICHNESS, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5					0.80014	1.15974	-1.5713	-0.1293
4	0.18424	0.48474	0.24914	0.29274		-1.5713		

RICHNESS, Non-formal, observed

	Q	P	O	N	M	L	K	J
5					4.0568	4.0548	3.3638	3.3083
4	3.333	3.9458	3.4957	3.6954		3.5023		
	32.6068							
	3.6232							

RICHNESS, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5					0.4834	0.4318	-0.2694	-0.3149
4	-0.2902	0.3227	-0.1275	-0.0848		-0.1209		

RICHNESS, Formal, observed

	Q	P	O	N	M	L	K	J
5					0.7762	0.8858	0	1
4	0.8271	0.8271	1	0.8614		0		
	6.1794							
	0.8868							

RICHNESS, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5					0.0918	0.198	-0.5888	0.3184
4	0.1405	0.1405	0.3134	0.1748		-0.8968		

RICHNESS, Non-formal, observed

	Q	P	O	N	M	L	K	J
5					0.5441	0.5488	0.5939	0.5858
4	0.5073	0.5292	0.4982	0.5417		0.5522		
	4.8962							
	0.54402							

RICHNESS, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5					0.5441	0.5488	0.5939	0.5858
4	0.5073	0.5292	0.4982	0.5417		0.5522		

TABLE 16: (cont.)

DIVERSITY, Formal, observed

	Q	P	O	N	M	L	K	J
5					-1.609	-1.688	0	-0.893
4	-1.475	-1.55	-1.098	-1.332		0		
total	-9.847							
average	-1.0719							

DIVERSITY, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5					-0.5371	-0.8171	1.07189	0.37889
4	-0.4031	-0.4781	-0.0271	-0.2601		1.07189		

DIVERSITY, Non-formal, observed

	Q	P	O	N	M	L	K	J
5					-1.927	-1.93	-1.689	-1.693
4	-1.442	-2.12	-1.728	-1.929		-1.878		
total	-16.553							
average	-1.8392							

DIVERSITY, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5					-0.0878	-0.1108	-0.0498	0.14622
4	0.59722	-0.2808	0.11122	-0.0898		-0.0388		

DIVERSITY, Formal, observed

	Q	P	O	N	M	L	K	J
5					0.9	0.97	0	1
4	0.9166	0.869	1	0.96		0		
total	8.7095							
average	0.7455							

DIVERSITY, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5					0.1548	0.2248	-0.7455	0.2545
4	0.171	0.2179	0.2948	0.2148		-0.7455		

DIVERSITY, Non-formal, observed

	Q	P	O	N	M	L	K	J
5					0.5968	0.6058	0.6968	0.6976
4	0.4738	0.6568	0.881	0.6338		0.626		
total	5.4115							
average	0.60128							

DIVERSITY, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5					-0.0027	0.00452	0.06582	-0.0097
4	-0.1278	0.05732	-0.0503	0.03222		0.02472		

FIGURE 16: H level, spatial distribution diversity richness and evenness indices, stone material

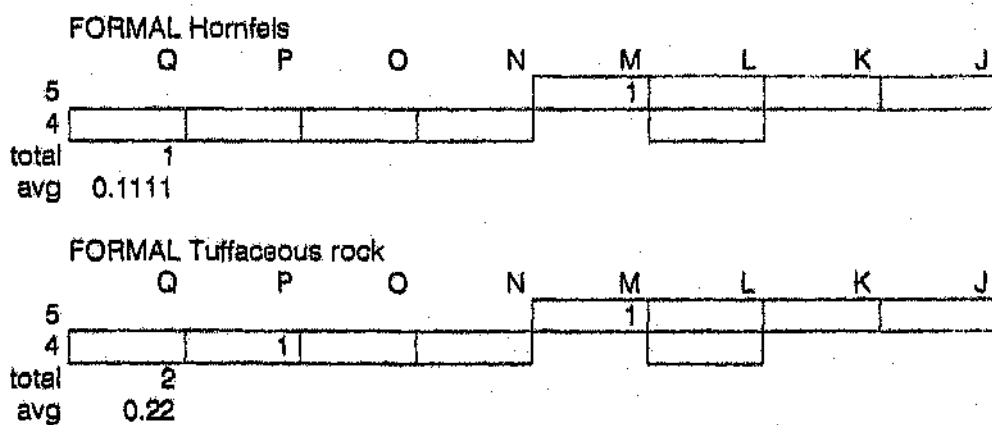


FIGURE 15: (cont.)

FORMAL Subtotal opalines

	Q	P	O	N	M	L	K	J
5					8	9	1	2
4	6	5	3	6		1		
total	40							
avg	4.4444							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					3.5556	4.5556	-3.444	-2.444
4	1.5556	0.5556	-1.444	0.5556		-3.444		

positive percentages

	Q	P	O	N	M	L	K	J
5					32.99%	42.27%		
4	14.43%	5.15%		5.15%				
	100.00%							

FORMAL Opalines translucent

	Q	P	O	N	M	L	K	J
5					3	5	1	1
4	2	3	3	5		1		
total	24							
avg	2.6667							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					0.33	2.33	-1.67	-1.67
4	-0.67	0.33	0.33	2.33		-1.67		

positive percentages

	Q	P	O	N	M	L	K	J
5					5.88%	41.18%		
4		5.88%	5.88%	41.18%				
	100.00%							

FORMAL Opaline not translucent

	Q	P	O	N	M	L	K	J
5					8	4		1
4	4	2						
total	16							
avg	1.7778							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					3.2222	2.2222	-1.778	-0.778
4	2.2222	0.2222	-1.778	-1.778		-1.778		

positive percentages

	Q	P	O	N	M	L	K	J
5					40.85%	28.17%		
4	28.17%	2.82%						
	100.00%							

FIGURE 15: (cont.)

NON-FORMAL Other

	Q	P	O	N	M	L	K	J
5					72	68	28	31
4	82	58	61	52		38		
total	490							
avg	54.444							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					17.556	13.556	-26.44	-23.44
4	27.556	3.5556	6.5556	-2.444		-16.44		

positive percentages

	Q	P	O	N	M	L	K	J
5					25.53%	19.71%		
4	40.06%	5.17%	9.53%					
	100.00%							

NON-FORMAL Total

	Q	P	O	N	M	L	K	J
5					371	372	118	126
4	404	438	541	276		227		
total	2873							
avg	319.22							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					51.778	52.778	-201.2	-193.2
4	84.778	118.78	221.78	-43.22		-92.22		

positive percentages

	Q	P	O	N	M	L	K	J
5					9.77%	9.96%		
4	16.00%	22.42%	41.85%					
	100.00%							

FIGURE 15: (cont.)

NON-FORMAL Hornfels

	Q	P	O	N	M	L	K	J
5					24	39	5	8
4	30	25	23	17		18		
total	189							
avg	21							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					9.00	18.00	-16.00	-19.00
4	9.00	4.00	2.00	-4.00		-3.00		

positive percentage

	Q	P	O	N	M	L	K	J
5					8.33%	50.00%		
4	25.00%	11.11%	5.56%					
	100.00%							

NON-FORMAL Tuffaceous rock

	Q	P	O	N	M	L	K	J
5					21	26	10	17
4	53	32	72	31		30		
total	292							
avg	32.444							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					-11.44	-6.444	-22.44	-15.44
4	20.556	-0.444	39.556	-1.444		-2.444		

positive percentage

	Q	P	O	N	M	L	K	J
5								
4	34.20%		65.80%					
	100.00%							

NON-FORMAL Quartz

	Q	P	O	N	M	L	K	J
5					13	12	6	5
4	29	38	34	4		5		
total	143							
avg	15.889							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					-2.89	-9.89	-10.89	-10.89
4	13.11	20.11	18.11	-11.89		-10.89		

positive percentage

	Q	P	O	N	M	L	K	J
5								
4	25.54%	39.18%	35.28%					

FIGURE 15: (cont.)

NON-FORMAL Subtotal Opaline

	Q	P	O	N	M	L	K	J
5					241	227	70	65
4	210	287	351	172		136		
total	1759							
avg	195.44							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					45.56	31.56	-125.44	-130.44
4	14.56	91.56	155.56	-23.44		-59.44		

positive percentages

	Q	P	O	N	M	L	K	J
5					13.45%	9.31%		
4	4.30%	27.03%	45.92%					
total	100.00%							

NON-FORMAL Opaline translucent

	Q	P	O	N	M	L	K	J
5					131	123	29	40
4	103	141	168	106		57		
total	918							
avg	102							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					29.00	21.00	-73.00	-62.00
4	1.00	39.00	86.00	4.00		-45.00		

positive percentages

	Q	P	O	N	M	L	K	J
5					16.11%	11.67%		
4	0.58%	21.67%	47.78%	2.22%				
total	100.00%							

NON-FORMAL Opaline not translucent

	Q	P	O	N	M	L	K	J
5					110	104	41	25
4	107	148	163	66		79		
total	841							
avg	93.444							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					16.556	10.556	-62.44	-68.44
4	13.556	52.556	69.556	-27.44		-14.44		

positive percentage

	Q	P	O	N	M	L	K	J
5					10.17%	6.48%		
4	8.33%	32.29%	42.73%					
total	100.00%							

FIGURE 15: (cont.)

COMBINED Other

	Q	P	O	N	M	L	K	J
5					72	68	28	31
4	83	58	61	52		38		
total	491							
avg	54.556							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					17.44	13.44	-26.56	-23.56
4	28.44	3.44	6.44	-2.56		-16.56		

positive percentages

	Q	P	O	N	M	L	K	J
5					25.20%	19.42%		
4	41.09%	4.98%	9.31%					
	100.00%							

COMBINED Total

	Q	P	O	N	M	L	K	J
5					381	381	119	128
4	411	444	544	281		228		
total	2917							
avg	324.11							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					56.89	56.89	-205.11	-196.11
4	86.89	119.89	219.89	-43.11		-96.11		

positive percentages

	Q	P	O	N	M	L	K	J
5					10.53%	10.53%		
4	16.08%	22.18%	40.69%					
	100.00%							

FIGURE 15: (cont.)

COMBINED Hornfels

	Q	P	O	N	M	L	K	J
5					25	39	5	8
4	30	25	23	17		18		
total	190							
avg	21.111							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					3.89	17.89	-16.11	-13.11
4	8.89	3.89	1.89	-4.11		-3.11		

positive percentages

	Q	P	O	N	M	L	K	J
5					10.67%	49.08%		
4	24.58%	10.67%	5.18%					
total	100.00%							

COMBINED Tuffaceous

	Q	P	O	N	M	L	K	J
5					22	28	10	17
4	53	33	77	31				
total	284							
avg	32.667							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					-10.67	-6.667	-22.67	-15.67
4	20.333	0.3333	39.333	-1.667		-2.667		

positive percentages

	Q	P	O	N	M	L	K	J
5								
4	33.89%	0.56%	65.56%					
total	100.00%							

COMBINED Quartz

	Q	P	O	N	M	L	K	J
5					13	12	6	5
4	29	36	34	4		6		
total	143							
avg	15.889							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					-2.889	-3.889	-10.89	-10.89
4	13.111	20.111	18.111	-11.89		-10.89		

positive percentages

	Q	P	O	N	M	L	K	J
5								
4	25.54%	39.18%	35.28%					
total	100.00%							

FIGURE 15: (cont.)

COMBINED Subtotal Opalines

	Q	P	O	N	M	L	K	J
5					249	236	71	67
4	216	292	354	177		137		
total	1799							
avg	199.89							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					49.11	36.111	-128.9	-132.9
4	16.111	92.111	154.11	-22.89		-62.89		

positive percentages

	Q	P	O	N	M	L	K	J
5					14.13%	10.39%		
4	4.64%	26.50%	44.34%	-6.58%				
total	100.00%							

COMBINED Translucent opaline

	Q	P	O	N	M	L	K	J
5					184	128	30	41
4	105	144	181	111		58		
total	942							
avg	104.67							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					29.33	28.33	-74.67	-63.67
4	0.33	39.33	86.33	6.33		-46.67		

positive percentages

	Q	P	O	N	M	L	K	J
5					15.86%	12.61%		
4	0.18%	21.26%	46.67%	3.42%				
total	100.00%							

COMBINED Opalines not translucent

	Q	P	O	N	M	L	K	J
5					116	104	41	26
4	111	148	163	66		79		
total	853							
avg	94.778							

difference between expected and observed frequency

	Q	P	O	N	M	L	K	J
5					20.222	9.2222	-53.78	-68.78
4	16.222	53.222	68.222	-28.78		-15.78		

positive percentages

	Q	P	O	N	M	L	K	J
5					12.10%	5.52%		
4	9.71%	31.85%	40.82%					
total	100.00%							

FIGURE 15: H level, spatial distribution raw material

Heat-altered non-formal

	Q	P	O	N	M	L	K	J
5					11	31	8	5
4	11	31	35	9		15		
total	156							
avg	17.333							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-6.333	13.667	-9.333	-12.333
4	-6.333	13.667	17.667	-8.333		-2.333		

positive percentages

	Q	P	O	N	M	L	K	J
5						30.37%		
4		30.37%	39.26%					
total	100.00%							

FIGURE 14: H level, spatial distribution heat-altered stone material

Ostrich egg shell (g)

	Q	P	O	N	M	L	K	J
5					62.10	8.50		
4	10.70	4.10	0.60	51.80	22.30	42.50	0.20	0.20
3		0.20				1.60		
total	204.70							
avg	10.77							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					51.33	-2.27		
4	-0.07	-6.67	-10.17	41.03	11.53	31.73	-10.57	-10.57
3		-10.57				-9.27		

positive percentage

	Q	P	O	N	M	L	K	J
5					37.85%			
4				36.25%	8.50%	23.40%		
3								

Worked ostrich egg shell

	Q	P	O	N	M	L	K	J
5					3			
4		1		1				
3								
total	5							
avg	0.26							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					2.74			
4		0.74		0.74				
3								

positive percentage

	Q	P	O	N	M	L	K	J
5					86.00%			
4		17.50%		17.50%				
3								
	100.00%							

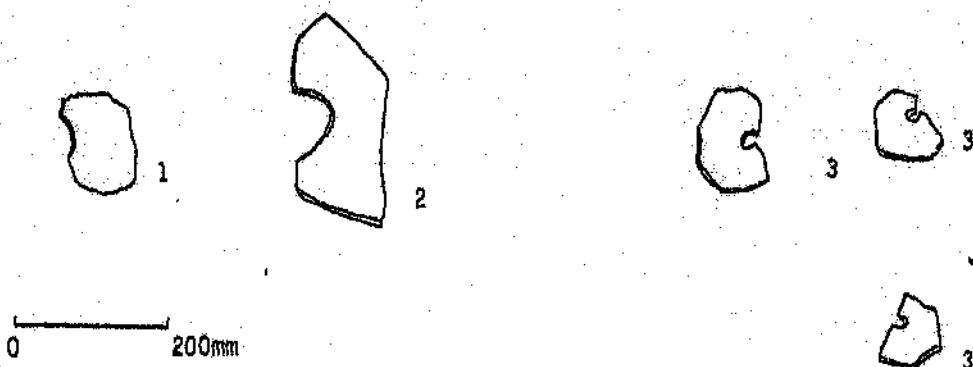
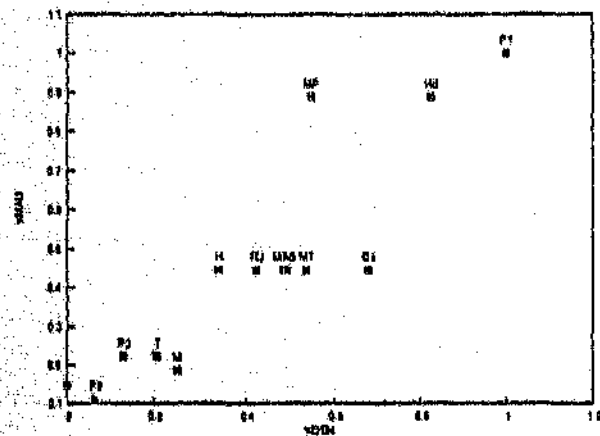


FIGURE 27: Ph level, spatial distribution ostrich egg shell
 Illustration 1. P4 - broken waterbottle plug hole
 2. N4 - broken waterbottle plug hole
 3. M5 - broken unfinished beads

BOV1 - %MAU : %DEN



BOV3 - %MAU : %DEN

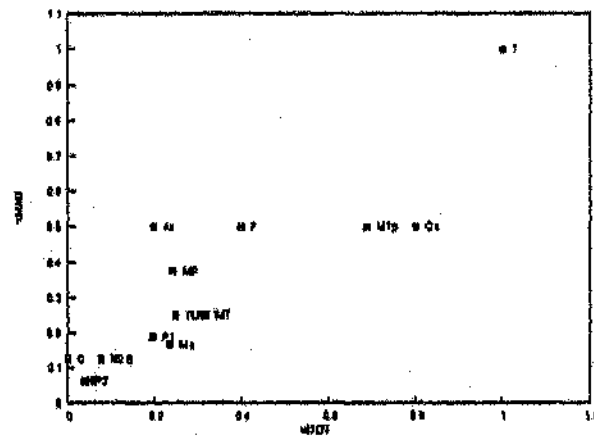
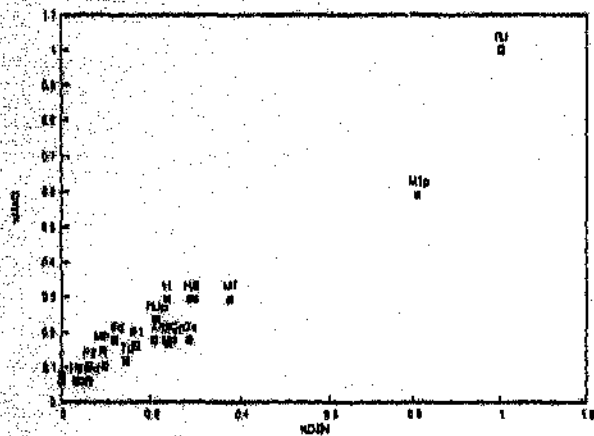
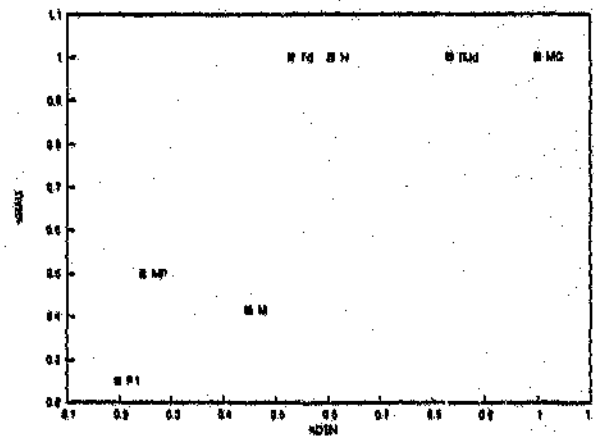


FIGURE 25: CM level,
XY scatterplot
%Density versus
%Minimal Animal Units

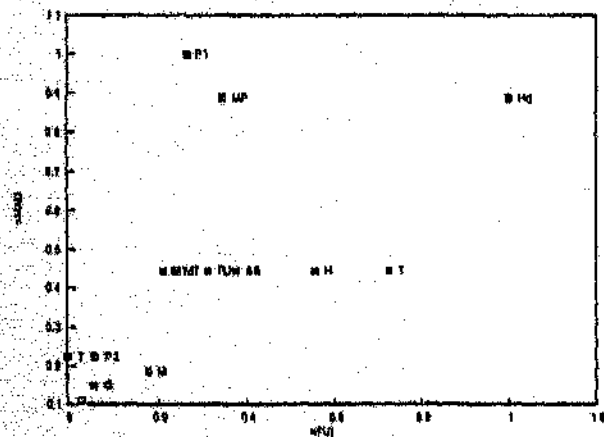
BOV2 - %MAU : %DEN



BOV4 - %MAU : %DEN



BOV1 - %MAU : %FUI



BOV3 - %MAU : %FUI

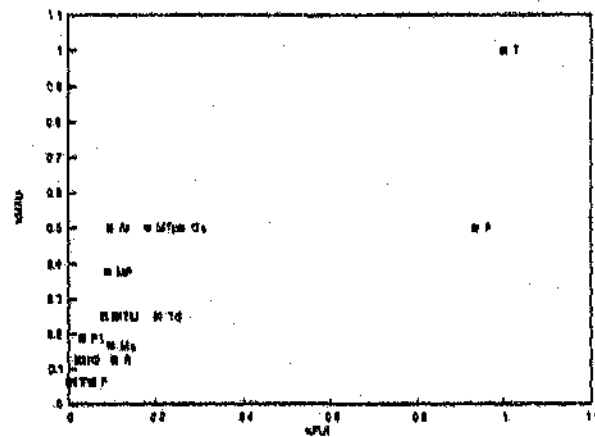
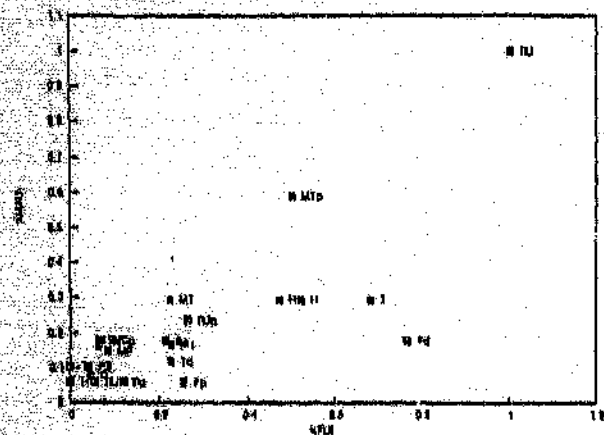
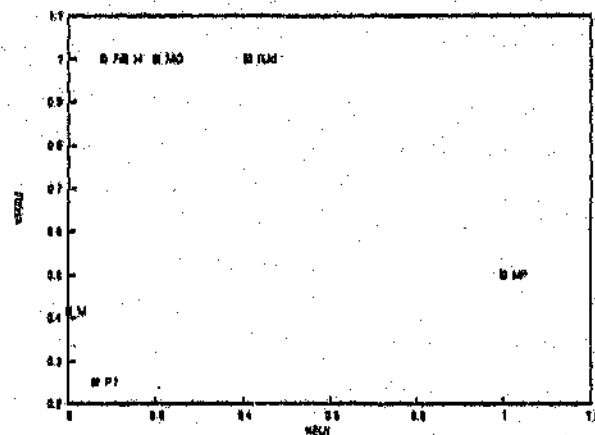


FIGURE 25: CM level,
XY scatterplot
%Food Utility Index versus
%Minimal Animal Units

BOV2 - %MAU : %FUI



BOV4 - %MAU : %FUI



Unidentified bone (kg)

	Q	P	O	N	M	L	K	J
5					0.725			
4	1.000	1.025	0.875	1.800	0.575		0.175	0.200
3	0.025	0.500	1.125	1.600	0.525	0.175	0.650	0.175
total	11.150							
avg	0.697							

Difference between observed and expected

	Q	P	O	N	M	L	K	J
5					0.725			
4	0.303	0.328	0.178	1.103	-0.122		-0.522	-0.497
3	-0.672	-0.197	0.428	0.903	-0.172	-0.522	-0.047	-0.522

positive percentage

	Q	P	O	N	M	L	K	J
5					18.27%			
4	7.64%	8.27%	4.49%	27.80%				
3			10.79%	22.76%				
total	100.00%							

Identified bone (f)

	Q	P	O	N	M	L	K	J
5					23			
4	31	17	20	26	15		13	7
3			6	17	15		10	4
total	204.000							
avg	12.750							

Difference between observed and expected

	Q	P	O	N	M	L	K	J
5					10.250			
4	18.250	4.250	7.250	13.250	2.250		0.250	-5.750
3	-12.750	-12.750	-6.750	4.250	2.250	-12.750	-2.750	-8.750

positive percentage

	Q	P	O	N	M	L	K	J
5					16.47%			
4	29.32%	6.83%	11.65%	21.29%	3.61%		0.40%	
3				6.83%	3.61%			
total	100.00%							

FIGURE 24: CM level, spatial distribution bone material

Worked bone

	Q	P	O	N	M	L	K	J
5								
4	1	1		2				
3			1	3				
total	8.000							
avg	0.500							

Difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-0.500			
4	0.500	0.500	-0.500	1.500	-0.500		-0.500	-0.500
3	-0.500	-0.500	0.500	2.500	-0.500	-0.500	-0.500	-0.500

positive percentage

	Q	P	O	N	M	L	K	J
5								
4	9.09%	9.09%		27.27%				
3			9.09%	45.45%				
	100.00%							

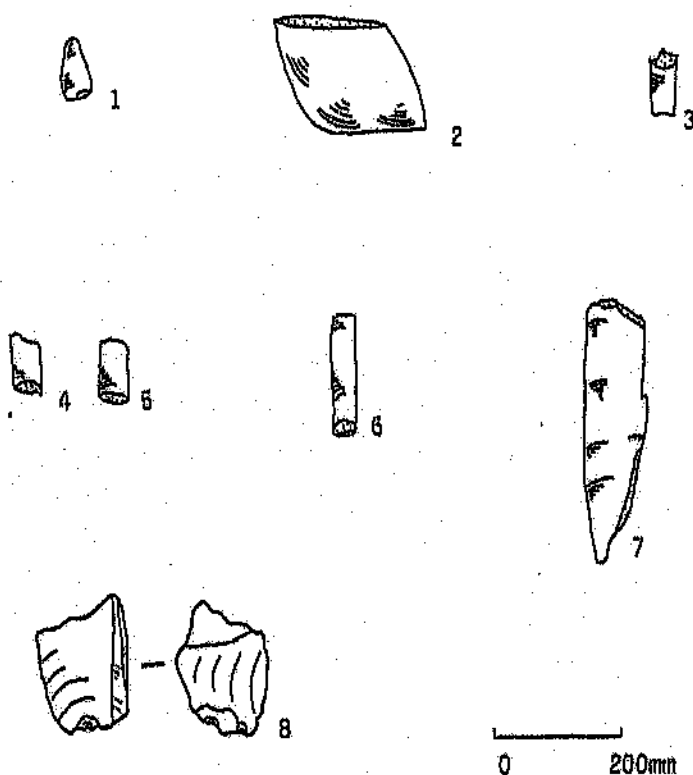


FIGURE 23: CM level, spatial distribution worked bone

- | | |
|--------------------------------|---|
| 1. Q4 - abraded tooth | 5. N4 - broken linkshaft |
| 2. P4 - polished bone fragment | 6. N3 - broken linkshaft |
| 3. O3 - broken linkshaft | 7. N3 - awl |
| 4. N4 - broken linkshaft | 8. N3 - bone fragment with negative flake scars |

Ostrich egg shell (g)

	Q	P	O	N	M	L	K	J
5					33.80			
4	19.90	2.00	37.80	60.70	3.00			0.20
3								
total	157.400							
avg	9.838							

Difference between observed and expected

	Q	P	O	N	M	L	K	J
5					23.963			
4	10.063	-7.838	27.963	50.863	-6.838		-9.838	-0.338
3	-9.838	-9.838	-9.838	-9.838	-9.838	-9.838	-9.838	-9.838

positive percentage

	Q	P	O	N	M	L	K	J
5					21.23%			
4	8.92%		24.78%	45.07%				
3								
total	100.00%							

Worked ostrich egg shell

	Q	P	O	N	M	L	K	J
5								
4		1	1	1				
3								
total	3.000							
avg	0.188							



0 200mm

FIGURE 22: CM level, spatial distribution ostrich egg shell

1. P4 - bead
2. O4 - broken unfinished bead
3. N4 - broken unfinished bead

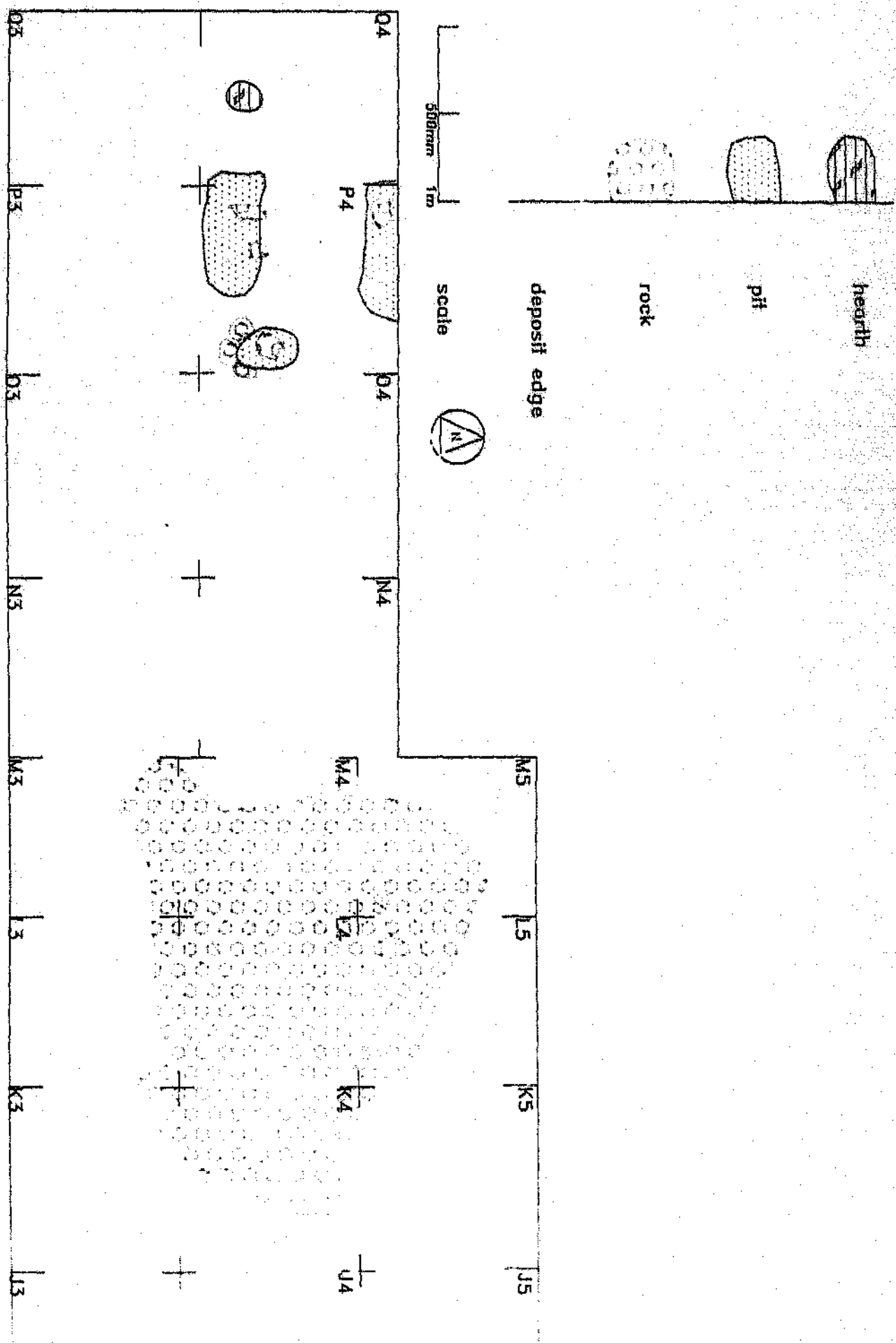
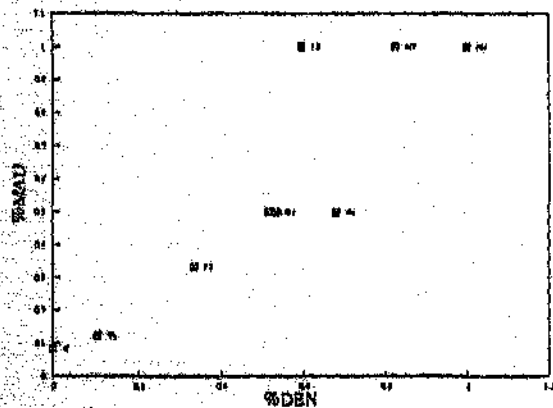


FIGURE 23: CM level, plan drawing

BOV1 ~ %DEN : %MAU



BOV3 ~ %DEN : %MAU

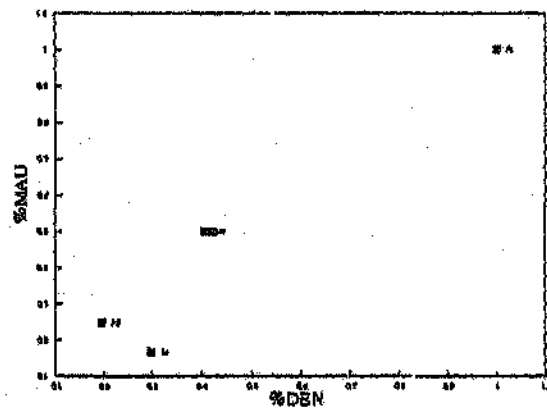
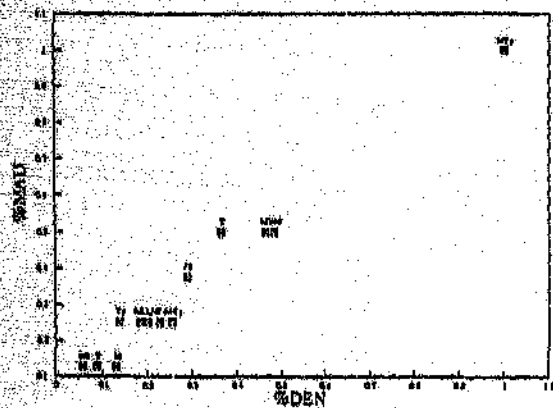


FIGURE 20: H level, XY scatterplot
%Density versus
%Minimal Animal Units

BOV2 ~ %DEN : %MAU



Unidentified bone (kg)

	Q	P	O	N	M	L	K	J
5					0.55	0.35	0.075	0.1
4	0.725	3.425	2.8	0.95		0.3		
total	9.275							
avg	1.0306							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-0.481	-0.681	-0.958	-0.931
4	-0.306	2.3944	1.7694	-0.081		-0.731		

positive percentages

	Q	P	O	N	M	L	K	J
5								
4		57.51%	42.49%					
total	100.00%							

Identified bone (f)

	Q	P	O	N	M	L	K	J
5					8	1	1	2
4	19	24	29	8		11		
total	103							
avg	11.444							

difference between observed and expected

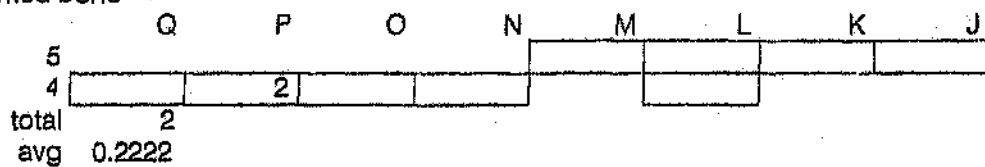
	Q	P	O	N	M	L	K	J
5					-3.444	-10.44	-10.44	-9.444
4	7.5556	12.556	17.556	-3.444		-0.444		

positive percentages

	Q	P	O	N	M	L	K	J
5								
4	20.06%	33.33%	46.61%					
total	100.00%							

FIGURE 19: H level, spatial distribution bone material

Worked bone



0 200mm

FIGURE 18: H level, spatial distribution worked bone

1. P4 - awl

2. P4 - awl

Ostrich egg shell (g)

	Q	P	O	N	M	L	K	J
5					25.5	1.4		
4	8.49	16.7	16.2	25.55		1.8		
total	95.64							
avg	10.627							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					14.873	-9.227	-10.63	-10.63
4	-2.137	6.0733	5.5733	14.923		-8.827		

positive percentages

	Q	P	O	N	M	L	K	J
5					35.89%			
4		14.65%	13.45%	36.01%				
total	100.00%							

Worked ostrich egg shell

	Q	P	O	N	M	L	K	J
5								
4	1	3	1					
total	5							
avg	0.5556							



FIGURE 17: H level, spatial distribution ostrich egg shell

Illustration: 1. Q4 - broken unfinished bead
 2. O4 - broken unfinished bead
 3. P4 - broken unfinished beads
 4. P4 - bead

Re-Worked Non-formal

	Q	P	O	N	M	L	K	J
5					0	8	1	0
4	2	8	2	0	7	6	2	2
3	7	2	0	13	3	11	1	4
total	79							
avg	3.95							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-3.95	4.05	-2.95	-3.95
4	-1.95	4.05	-1.95	-3.95	3.05	2.05	-1.95	-1.95
3	3.05	-1.95	-3.95	9.05	-0.95	7.05	-2.95	0.05

positive percentages

	Q	P	O	N	M	L	K	J
5						12.50%		
4		12.50%			9.41%	6.33%		
3	9.41%			27.93%		21.76%		0.15%
total	100.00%							

FIGURE 34: Ja level, re-worked stone material

Utilised Non formal

	Q	P	O	N	M	L	K	J
5					0	7	1	1
4	0	8	0	0	2	1	1	0
3	8	3	8	5	4	10	2	2
total	61							
avg	3.05							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-3.05	3.95	-2.05	-2.05
4	-3.05	2.95	-3.05	-3.05	-1.05	-2.05	-2.05	-3.05
3	4.95	-0.05	4.95	1.95	0.95	6.95	-1.05	-1.05

positive percentages

	Q	P	O	N	M	L	K	J
5						14.82%		
4		11.07%						
3	18.57%		18.57%	7.32%	3.56%	26.08%		
total	100.00%							

Utilised end-struck

	Q	P	O	N	M	L	K	J
5						1		
4		1					1	
3	3	1		1	1	1		1
total	11							
avg	0.55							

Utilised side-struck

	Q	P	O	N	M	L	K	J
5						2		
4		1						
3	1				2	1	1	
total	8							
avg	0.4							

FIGURE 33: Ja level, spatial distribution utilised stone material

Bladelets and broken blades

	Q	P	O	N	M	L	K	J
5						9	12	1
4	5	7	1		6	5	21	1
3	6	1	11	11	8	18	16	3
total	138							
avg	6.9							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-6.9	2.1	5.1	-5.9
4	-1.9	0.1	-5.9	-6.9	-0.9	-1.9	14.1	-5.9
3	-0.9	-5.9	4.1	4.1	-0.9	9.1	9.1	-3.9

positive percentages

	Q	P	O	N	M	L	K	J
5						4.39%	10.67%	
4		0.21%					29.50%	
3			8.58%	8.58%		19.04%	19.04%	
total	100.00%							

Misc. groundstone work and upper grinder

	Q	P	O	N	M	L	K	J
5							3	
4					1	1	1	
3	1	3	1			1		
total	12							
avg	0.6							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5							2.4	
4					0.4	0.4	0.4	
3	0.4	2.4	0.4			0.4		

positive percentages

	Q	P	O	N	M	L	K	J
5							33.33%	
4					5.56%	5.56%	5.56%	
3	5.56%	33.33%	5.56%			5.56%		
total	100.00%							

FIGURE 32: (cont.)

End-struck (cortical and non-cortical)

	Q	P	O	N	M	L	K	J
5					3	24	35	7
4	26	13	8	8	15	20	80	17
3	21	23	26	38	46	57	30	1
total	498							
avg	24.9							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-21.9	-0.9	10.1	-17.9
4	1.1	-11.9	-16.9	-16.9	-9.9	-4.9	55.1	-7.9
3	-3.9	-1.9	1.1	13.1	21.1	32.1	5.1	-23.9

positive percentages

	Q	P	O	N	M	L	K	J
5							7.28%	
4	0.79%						39.70%	
3			0.79%	9.44%	15.20%	23.13%	3.67%	
total	100.00%							

Side-struck (cortical and non-cortical)

	Q	P	O	N	M	L	K	J
5					0	42	66	3
4	38	19	3	5	22	27	79	9
3	64	24	22	53	56	69	36	13
total	649							
avg	32.45							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-32.45	9.55	33.55	-29.45
4	5.55	-19.45	-29.45	-27.45	-10.45	-5.45	46.55	-23.45
3	31.65	-8.45	-10.45	20.55	23.55	36.55	2.55	-19.45

positive percentages

	Q	P	O	N	M	L	K	J
5						4.55%	15.98%	
4	2.64%						22.17%	
3	15.03%			9.79%	11.22%	17.41%	1.21%	
total	100.00%							

FIGURE 32: (cont.)

Cores

	Q	P	O	N	M	L	K	J
5						14	14	
4	14	6	5	3	14	7	19	2
3	15	10	8	12	19	24	16	3
total	205							
avg	10.25							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5						3.75	3.75	
4	3.75	-4.25	-6.25	-7.25	3.75	-3.25	8.75	-8.25
3	4.75	-0.25	-2.25	1.75	8.75	18.75	5.75	-7.25

positive percentages

	Q	P	O	N	M	L	K	J
5						6.41%	6.41%	
4	6.41%				6.41%		14.96%	
3	8.12%			2.99%	14.96%	23.50%	9.83%	
total	100.00%							

Chips and chunks

	Q	P	O	N	M	L	K	J
5					10	210	225	39
4	204	86	29	27	160	120	367	99
3	183	85	106	215	239	331	211	45
total	2891							
avg	149.55							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-189.55	80.45	76.45	-110.55
4	54.45	-68.55	-120.55	-122.55	10.45	-29.55	217.45	-80.55
3	33.45	-64.55	-43.55	65.45	89.45	181.45	61.45	-104.55

positive percentages

	Q	P	O	N	M	L	K	J
5						7.12%	8.88%	
4	8.41%				1.23%		25.80%	
3	9.94%			7.70%	10.58%	21.36%	7.23%	
total	100.00%							

FIGURE 32: (cont.)

Scrapers

	Q	P	O	N	M	L	K	J
5						3	3	4
4		5		1	2	1	3	2
3	3	1	2	1	1		2	4
total	38							
avg	1.8							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5						1.1	1.1	2.1
4		3.1		-0.9	0.1	-0.9	1.1	0.1
3	1.1	-0.9	0.1	-0.9	-0.9		0.1	2.1

positive percentages

	Q	P	O	N	M	L	K	J
5						9.09%	9.09%	17.36%
4		25.62%			0.83%		9.09%	0.83%
3	9.09%		0.83%				0.83%	17.36%
total	100.00%							

Backed tools

	Q	P	O	N	M	L	K	J
5						1		1
4	1		1	1			1	1
3	1		1			3		1
tot	13							
avg	0.65							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5						0.35		0.35
4	0.35		0.35	0.35			0.35	0.35
3	0.35		0.35			2.35		0.35

positive percentages

	Q	P	O	N	M	L	K	J
5						5.98%		5.98%
4	5.98%		5.98%	5.98%			5.98%	5.98%
3	5.98%		5.98%			40.17%		5.98%
total	100.00%							

Adzes & spokeshave

	Q	P	O	N	M	L	K	J
5							2	1
4			3		1		2	
3							2	
tot	11							
avg	0.55							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5							1.45	0.45
4			2.45		0.45		1.45	
3							1.45	

positive percentages

	Q	P	O	N	M	L	K	J
5							18.89%	5.84%
4			31.82%		5.84%		18.89%	
3							18.89%	
total	100.00%							

FIGURE 32: (cont.)

Non-formal

	Q	P	O	N	M	L	K	J
5					13	336	371	61
4	292	148	51	44	226	195	608	137
3	277	151	183	347	400	532	321	80
total	4773							
avg	238.65							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-226.65	97.35	132.35	-177.65
4	53.35	-90.66	-187.65	-194.65	-12.65	-43.65	369.35	-101.65
3	38.35	-87.65	-55.65	108.35	161.35	293.35	82.35	-158.65

positive percentages

	Q	P	O	N	M	L	K	J
5						7.29%	9.91%	
4	3.99%						27.64%	
3	2.87%			8.11%	12.08%	21.95%	6.16%	
total	100.00%							

Formal

	Q	P	O	N	M	L	K	J
5					0	10	6	7
4	2	11	5	2	3	3	10	5
3	6	3	5	1	2	5	5	6
total	97							
avg	4.85							

difference between observed and expected

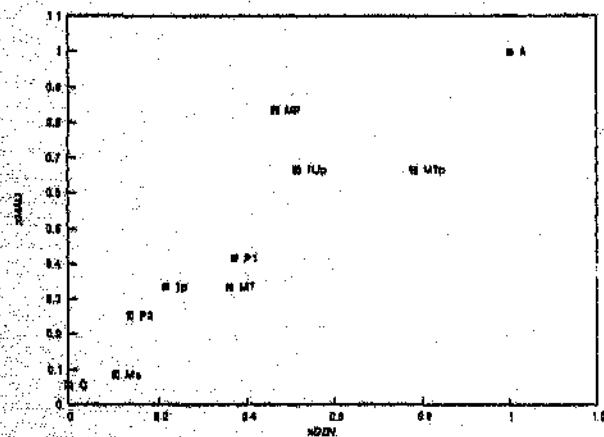
	Q	P	O	N	M	L	K	J
5					-4.85	5.15	1.15	2.15
4	-2.85	6.15	0.15	-2.85	-1.85	-1.85	5.15	0.15
3	1.15	-1.85	0.15	-3.85	-2.85	0.15	0.15	1.15

positive percentage

	Q	P	O	N	M	L	K	J
5						22.60%	5.04%	9.49%
4		26.97%	0.66%				22.59%	0.66%
3	5.04%		0.66%			0.66%	0.66%	5.04%
total	100.00%							

FIGURE 32: Ja level, spatial distribution stone material

BOV1 - %DEN : %MAU



BOV3 - %DEN : %MAU

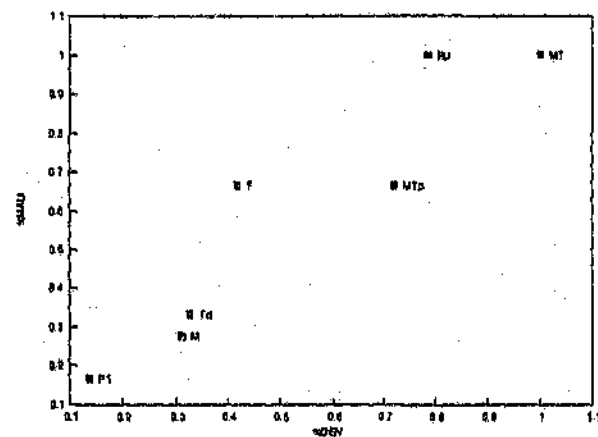
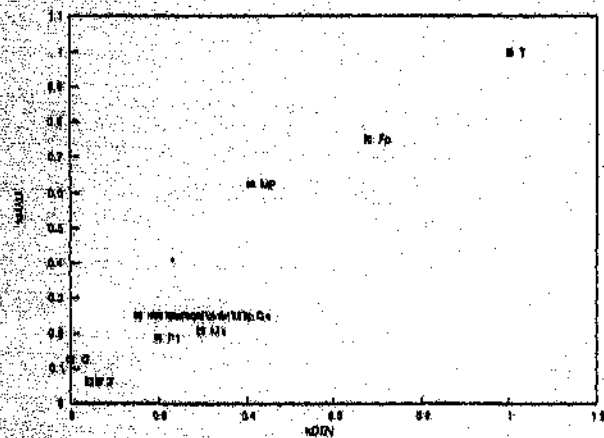
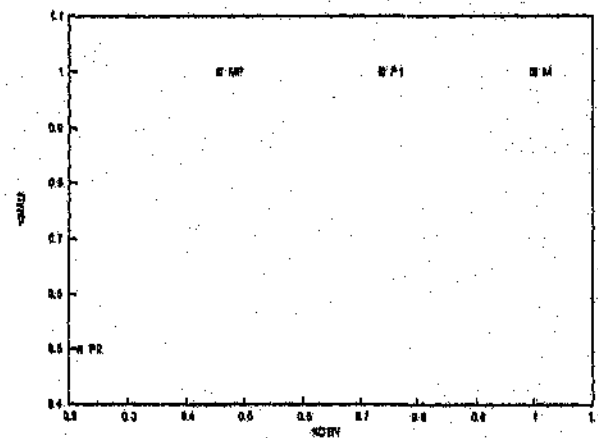


FIGURE 30: Ph level,
XY scatterplot
%Density versus
%Minimal Animal Units

BOV2 - %DEN : %MAU



BOV4 - %DEN : %MAU



Label	NPU (x-axis)	NPU (y-axis)
Q	0.05	0.05
C	0.10	0.08
M	0.10	0.25
S	0.10	0.28
P	0.15	0.25
P	0.15	0.42
MT	0.35	0.32
P1	0.15	0.42
MP	0.40	0.82
MP	0.55	0.65
PLo	0.65	0.65
PLo	0.75	0.32
A	1.00	1.00

A scatter plot showing the relationship between %MPLI (Y-axis) and %MPLI (X-axis). The data points are labeled with polymer abbreviations: P1, M, Ia, MTP, M17, M7L, M T, and F. The plot shows a general trend where %MPLI increases with %MPLI, with some scatter.

Polymer	%MPLI (X)	%MPLI (Y)
P1	0.05	0.05
M	0.15	0.25
Ia	0.25	0.35
MTP	0.25	0.65
M17	0.35	1.05
M7L	0.45	1.05
M T	0.85	1.05
F	1.05	0.65

Figure 1 is a scatter plot showing the relationship between the number of people (N) and the number of people (N) for three different groups: P1, P2, and P3. The x-axis is labeled 'N' and ranges from 0.1 to 1.0. The y-axis is labeled 'N' and ranges from 0.4 to 1.1. Data points are plotted for P1, P2, and P3, showing a general trend of increasing N with increasing N.

FIGURE 30: Ph level,
XY scatterplot
%Food Utility Index versus
%Minimal Animal Units

Unidentified bone (kg)

	Q	P	O	N	M	L	K	J
5					1.78	0.48	0.13	
4	0.50	1.25	1.00	1.63	1.78	0.65	0.48	0.10
3	0.18	0.30	0.18	1.28	0.43	0.15	0.00	0.15
total	12.60							
avg	0.66							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					1.112	-0.188	-0.538	
4	-0.163	0.587	0.337	1.132	1.112	-0.013	-0.188	-0.563
3	-0.488	-0.363	-0.488	0.612	-0.238	-0.513	-0.663	-0.513

positive percentages

	Q	P	O	N	M	L	K	J
5					22.59%			
4		11.93%	6.84%	23.61%	22.59%			
3				12.43%				

TOTAL 100.00%

Identified bone (f)

	Q	P	O	N	M	L	K	J
5					117	16	1	
4	12	31	17	46	46	31	22	1
3		1	1	30	18	17	1	10
total	418.00							
avg	22.00							

difference between observed and expected

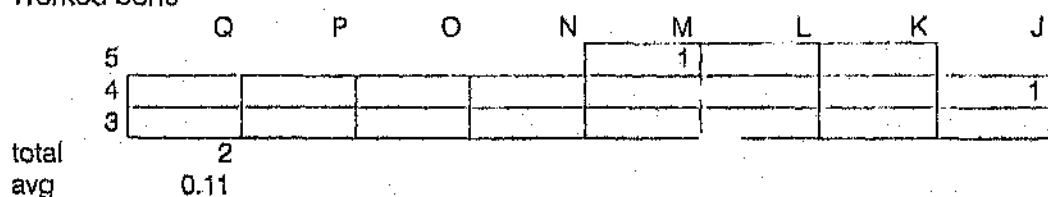
	Q	P	O	N	M	L	K	J
5					95.000	-1.000	-21.000	
4	-10.000	9.000	-5.000	24.000	24.000	9.000	0.000	-21.000
3	-22.000	-21.000	-21.000	8.000	-4.000	-5.000	-21.000	-12.000

positive percentages

	Q	P	O	N	M	L	K	J
5					56.21%			
4		5.33%		14.20%	14.20%	5.33%		
3				4.73%				
	100.00%							

FIGURE 29: Ph level, spatial distribution bone material

Worked bone



0 200mm

FIGURE 28: Ph level, spatial distribution worked bone
 Illustration: 1. M5 - polished bone fragment
 2. J4 - broken linkshaft

EVENNESS, Formal, observed

	Q	P	O	N	M	L	K	J
5					-	-0.974	-0.969	-1
4	-1	-0.948	-0.865	-1	-1	-1	-0.97	-1
3	-1	-1	-0.961	-	-1	-1	-0.961	-1

total -17.64

avg -0.882

EVENNESS, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5					-	-0.092	-0.077	-0.118
4	-0.118	-0.066	0.0169	-0.118	-0.118	-0.118	-0.088	-0.118
3	-0.118	-0.118	-0.079	-	-0.118	-0.118	-0.079	-0.118

EVENNESS, Non-formal, observed

	Q	P	O	N	M	L	K	J
5					-	-0.594	-0.608	-0.708
4	-0.551	-0.648	-0.788	-0.775	-0.578	-0.623	-0.606	-0.578
3	-0.584	-0.673	-0.656	-0.592	-0.629	-0.6	-0.575	-0.712

total -12.08

avg -0.604

EVENNESS, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5					0.6038	0.0088	-0.004	-0.102
4	0.0528	-0.044	-0.184	-0.171	0.0258	-0.019	-0.002	0.0258
3	0.0198	-0.089	-0.052	0.0118	-0.025	0.0038	0.0288	-0.108

EVENNESS, Formal, observed

	Q	P	O	N	M	L	K	J
5					-	0.974	0.969	1
4	1	0.948	0.865	1	1	1	0.97	1
3	1	1	0.961	-	1	1	0.961	1

total 17.638

avg 0.8819

EVENNESS, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5					-	0.0921	0.0771	0.1181
4	0.1181	0.0861	-0.017	0.1181	0.1181	0.1181	0.0881	0.1181
3	0.1181	0.1181	0.0791	-	0.1181	0.1181	0.0791	0.1181

EVENNESS, Non-formal, observed

	Q	P	O	N	M	L	K	J
5					-	0.594	0.608	0.708
4	0.551	0.648	0.788	0.775	0.578	0.623	0.606	0.578
3	0.584	0.673	0.656	0.592	0.629	0.6	0.575	0.712

total 12.076

avg 0.6038

EVENNESS, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5					-	-0.01	0.0042	0.1022
4	-0.053	0.0442	0.1842	0.1712	-0.026	0.0192	0.0022	-0.026
3	-0.02	0.0692	0.0522	-0.012	0.0282	-0.004	-0.029	0.1082

FIGURE 37: (cont.)

RICHNESS, Formal, observed

	Q	P	O	N	M	L	K	J
5						3.04	1.574	3.083
4	1.443	2.919	1.243	1.443	1.82	7.82	2.608	2.485
3	2.791	1.82	1.864		1.443	2.485	1.864	2.791

total 38.634

avg 1.9317

RICHNESS, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5						1.1083	-0.258	1.1513
4	-0.488	0.9873	-0.689	-0.489	-0.112	-0.112	0.6743	0.5539
3	0.8699	-0.112	-0.068		-0.489	0.6833	-0.068	0.8593

RICHNESS, Non-formal, observed

	Q	P	O	N	M	L	K	J
5						4.298	4.057	1.703
4	2.995	4.002	2.543	1.586	3.321	3.034	3.744	2.236
3	3.734	2.98	3.839	3.59	3.672	3.983	3.985	2.967

total 62.279

avg 3.114

RICHNESS, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5						-3.114	1.1841	0.9431
4	-0.119	0.8881	-0.571	-1.823	0.2071	-0.08	0.6801	-0.878
3	0.8201	-0.124	0.7281	0.4781	0.5581	0.8681	0.8711	-0.147

RICHNESS, Formal, observed

	Q	P	O	N	M	L	K	J
5						0.903	0.774	1
4	1	0.867	0.683			1	0.845	1
3	1	1	0.861			1	0.861	1

total 13.794

avg 0.6897

RICHNESS, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5						0.2135	0.0843	0.3103
4	0.3103	0.1773	-0.007			0.3103	0.1553	0.3103
3	0.3103	0.3103	0.1713			0.3103	0.1713	0.3103

RICHNESS, Non-formal, observed

	Q	P	O	N	M	L	K	J
5						0.55	0.544	0.508
4	0.509	0.609	0.61	0.592	0.543	0.537	0.502	0.505
3	0.55	0.55	0.584	0.514	0.523	0.519	0.551	0.502

total 10.413

avg 0.8207

RICHNESS, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5						0.0393	0.0233	-0.015
4	-0.012	0.0883	0.0893	0.0713	0.0223	0.0163	-0.019	-0.016
3	0.0293	0.0323	0.0633	-0.007	0.0023	-0.002	0.0303	0.0313

FIGURE 37: (cont.)

DIVERSITY, Formal, observed

	Q	P	O	N	M	L	K	J
5						-2.025	-1.33	-1.946
4	-0.693	-1.972	-0.95	-0.693	-1.099	-1.099	-1.887	-1.809
3	-1.792	-1.099	-1.332	-	-0.693	-1.609	-1.332	-1.792
total	-24.95							
avg	-1.248							

DIVERSITY, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5						-1.143	-0.448	-1.064
4	0.1889	-1.09	-0.088	0.1889	-0.217	-0.217	-1.005	-0.727
3	-0.91	-0.217	-0.45	-	0.1889	-0.727	-0.45	-0.91

DIVERSITY, Non-formal, observed

	Q	P	O	N	M	L	K	J
5						-1.834	-1.958	-1.469
4	-1.594	-1.972	-1.889	-1.608	-1.703	-1.763	-1.95	-1.436
3	-1.805	-1.668	-1.997	-1.63	-1.971	-1.956	-1.829	-1.89
total	-34.31							
avg	-1.716							

DIVERSITY, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5						-0.218	-0.242	0.2466
4	0.1216	-0.256	-0.173	0.2076	0.0126	-0.049	-0.234	0.2786
3	-0.089	-0.15	-0.281	-0.114	-0.255	-0.24	-0.118	-0.184

DIVERSITY, Formal, observed

	Q	P	O	N	M	L	K	J
5						-0.974	0.959	1
4	1	0.948	0.865	1	1	1	0.97	1
3	1	1	0.961	-	1	1	0.961	1
total	17.638							
avg	0.8819							

DIVERSITY, Formal, observed - expected

	Q	P	O	N	M	L	K	J
5						0.0921	0.0771	0.1181
4	0.1181	0.0661	-0.017	0.1181	0.1181	0.1181	0.0881	0.1181
3	0.1181	0.1181	0.0791	-	0.1181	0.1181	0.0791	0.1181

DIVERSITY, Non-formal, observed

	Q	P	O	N	M	L	K	J
5						0.594	0.608	0.708
4	0.551	0.548	0.788	0.775	0.578	0.623	0.608	0.878
3	0.584	0.673	0.656	0.592	0.629	0.6	0.575	0.712
total	12.076							
avg	0.6038							

DIVERSITY, Non-formal, observed - expected

	Q	P	O	N	M	L	K	J
5						0.594	0.608	0.708
4	0.551	0.648	0.788	0.775	0.578	0.623	0.608	0.878
3	0.584	0.673	0.656	0.592	0.629	0.6	0.575	0.712

FIGURE 37: Ja level, spatial distribution diversity, richness and evenness indices, stone material

FORMAL Herfols

	Q	P	O	N	M	L	K	J
5					0	1	1	0
4	0	1	0	0	0	1	1	0
3	1	0	0	0	0	0	0	0
total	6							
avg	0.3							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-0.30	0.70	0.70	-0.30
4	-0.30	0.70	-0.30	-0.30	-0.30	0.70	0.70	-0.30
3	0.70	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30

positive percentages

	Q	P	O	N	M	L	K	J
5						16.67%	16.67%	
4		16.67%				16.67%	16.67%	
3	16.67%							
total	100.00%							

FORMAL Tuffaceous rock

	Q	P	O	N	M	L	K	J
5					0	1	0	0
4	0	2	0	0	0	0	1	0
3	0	0	1	0	1	0	0	0
total	6							
avg	0.30							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-0.3	0.7	-0.3	-0.3
4	-0.3	1.7	-0.3	-0.3	-0.3	-0.3	0.7	-0.3
3	-0.3	-0.3	0.7	-0.3	0.7	-0.3	-0.3	-0.3

positive percentages

	Q	P	O	N	M	L	K	J
5						16.66%		
4		37.78%					16.66%	
3			16.66%		16.66%			
total	100.00%							

FORMAL Other

	Q	P	O	N	M	L	K	J
5					0	0	1	0
4	0	0	0	0	0	1	0	0
3	0	1	0	0	0	0	0	0
total	3							
avg	0.15							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-0.15	-0.15	0.85	-0.15
4	-0.15	-0.15	-0.15	-0.15	-0.15	0.85	-0.15	-0.15
3	-0.15	0.85	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15

positive percentages

	Q	P	O	N	M	L	K	J
5							33.33%	
4						33.33%		
3		33.33%						

FIGURE 36: (cont.)

FORMAL Subtotal Opalines

	Q	P	O	N	M	L	K	J
5					0	8	4	7
4	2	8	5	2	3	1	8	5
3	5	2	4	1	1	5	5	6
total	62							
avg	4.1							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-4.1	3.9	-0.1	2.9
4	-2.1	3.9	0.8	-2.1	-1.1	-3.1	3.9	0.9
3	0.9	-2.1	-0.1	-3.1	-3.1	0.9	0.8	1.8

positive percentages

	Q	P	O	N	M	L	K	J
5						18.17%		13.81%
4		18.67%	4.29%				18.87%	4.29%
3	4.29%					4.29%	4.29%	9.05%
100.00%								

FORMAL Opalines translucent

	Q	P	O	N	M	L	K	J
5					0	2	1	3
4	2	2	4	1	2	1	4	2
3	4	0	3	1	0	3	3	5
total	43							
avg	2.15							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-0.15	-0.15	-1.15	0.85
4	-0.15	-0.15	1.85	-1.15	-0.15	-1.15	1.85	-0.15
3	1.85	-2.15	0.85	-1.15	-2.15	0.85	0.85	2.85

positive percentages

	Q	P	O	N	M	L	K	J
5								7.20%
4			18.68%				15.68%	
3	18.68%		7.20%			7.20%	7.20%	24.15%
100.00%								

FORMAL : Opalines not translucent

	Q	P	O	N	M	L	K	J
5					0	8	3	4
4	0	6	1	1	1	0	4	3
3	1	2	1	0	1	2	2	1
total	39							
avg	1.85							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-1.85	4.05	1.05	2.05
4	-1.85	4.05	-0.95	-0.95	-0.95	-1.85	2.05	1.05
3	-0.95	0.05	-0.95	-1.95	-0.95	0.05	0.05	-0.95

positive percentages

	Q	P	O	N	M	L	K	J
5						25.03%	7.27%	14.19%
4		25.03%					14.19%	7.27%
3		0.35%				0.35%	0.35%	
100.00%								

FIGURE 36: (cont.)

NON FORMAL Other								
	Q	P	O	N	M	L	K	J
5					2	12	14	2
4	10	1	3	5	12	5	19	9
3	5	5	14	10	15	17	29	4
total	193							
avg	9.65							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-7.65	2.35	4.35	-7.65
4	0.35	-8.65	-6.65	-4.65	2.35	-4.65	9.35	-0.65
3	-4.65	-4.65	4.35	0.35	5.35	7.35	19.35	-5.65

positive percentages

	Q	P	O	N	M	L	K	J
5						4.23%	7.84%	
4	0.63%				4.23%		16.85%	
3			7.84%	0.63%	9.64%	13.46%	34.86%	
	100.00%							

NON FORMAL Total								
	Q	P	O	N	M	L	K	J
5					13	336	371	61
4	292	148	51	44	226	195	608	137
3	277	151	183	347	400	532	321	80
total	4773							
avg	238.65							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-225.65	97.35	132.35	-177.65
4	53.35	-90.65	-187.65	-194.65	-12.65	-43.65	369.35	-101.65
3	38.35	-87.65	-55.65	108.35	161.35	293.35	82.35	-158.65

positive percentages

	Q	P	O	N	M	L	K	J
5						7.29%	9.91%	
4	3.99%						27.64%	
3	2.87%			8.11%	12.08%	21.95%	6.16%	
	100.00%							

FIGURE 36: (cont.)

NON FORMAL Hornfels

	Q	P	O	N	M	L	K	J
5					2	27	26	1
4	15	8	5	1	6	6	22	6
3	11	8	8	7	32	9	14	4
total	218							
avg	10.9							

Difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-8.90	16.10	16.10	-9.90
4	4.10	-2.90	-5.90	-9.90	-4.90	-4.90	11.10	-4.90
3	0.10	-2.90	-2.90	-3.90	21.10	-1.90	3.10	-6.90

positive percentages

	Q	P	O	N	M	L	K	J
5						22.77%	21.36%	
4	5.80%						15.70%	
3	0.14%				29.84%		4.38%	
total	100.00%							

NON FORMAL Tuffaceous rock

	Q	P	O	N	M	L	K	J
5					2	26	47	0
4	39	12	7	2	18	22	31	7
3	20	17	14	26	38	44	28	7
total	405							
avg	20.25							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-18.25	5.75	26.75	-20.25
4	18.75	-8.25	-13.25	-18.25	-2.25	1.75	10.75	-13.25
3	-0.25	-3.25	-6.25	6.75	15.75	23.75	7.75	-13.25

positive percentages

	Q	P	O	N	M	L	K	J
5						4.83%	22.81%	
4	16.06%					1.50%	9.21%	
3				4.83%	13.49%	20.34%	6.64%	
total	100.00%							

NON FORMAL Quartz

	Q	P	O	N	M	L	K	J
5					2	12	14	2
4	10	1	3	5	12	5	19	9
3	5	5	14	10	15	17	29	4
total	183							
avg	9.65							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-7.65	2.35	4.35	-7.65
4	0.35	-8.65	-6.65	-4.65	2.35	-4.65	9.35	-0.65
3	-4.65	-4.65	4.65	0.35	8.35	7.65	19.35	-5.65

positive percentages

	Q	P	O	N	M	L	K	J
5						4.23%	7.84%	
4	0.83%				4.23%		16.85%	
3			7.84%	0.83%	9.64%	13.24%	34.86%	
total	100.00%							

FIGURE 36: (cont.)

NON FORMAL Subtotal Opaline

	Q	P	O	N	M	L	K	J
5					5	213	200	48
4	173	96	25	24	133	119	285	95
3	191	92	121	190	216	288	185	52
total	2727							
avg	136.35							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-131.35	78.65	63.65	-61.35
4	86.65	-41.35	-111.35	-112.35	-8.35	-17.35	148.65	-41.35
3	54.65	-44.35	-16.35	53.65	78.65	161.65	28.65	-84.35

positive percentages

	Q	P	O	N	M	L	K	J
5						11.05%	9.17%	
4	5.29%						21.42%	
3	7.68%			7.73%	11.48%	21.86%	4.18%	
	100.00%							

NON FORMAL Opalines translucent

	Q	P	O	N	M	L	K	J
5					2	105	99	22
4	81	85	12	19	78	68	148	48
3	102	59	68	115	119	157	100	22
total	1477							
avg	73.85							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-71.65	81.15	25.15	-81.65
4	7.15	-18.65	-61.65	-84.65	4.15	-5.65	74.15	-27.65
3	28.15	-14.65	-5.65	41.15	48.15	63.15	26.15	-51.65

positive percentages

	Q	P	O	N	M	L	K	J
5						8.52%	6.89%	
4	1.86%				1.14%		20.29%	
3	7.70%			11.26%	12.35%	22.75%	7.15%	
	100.00%							

NON FORMAL Opalines not translucent

	Q	P	O	N	M	L	K	J
5					3	108	101	23
4	92	40	73	5	55	81	137	48
3	88	33	58	78	97	131	56	30
total	1250							
avg	82.5							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-68.5	46.5	36.5	-39.5
4	29.5	-22.5	-49.5	-67.5	-7.5	-11.5	74.5	-13.5
3	26.5	-29.5	-9.5	12.5	34.5	60.5	2.5	-32.5

positive percentages

	Q	P	O	N	M	L	K	J
5						18.68%	11.56%	
4	8.97%						22.41%	
3	7.67%			3.78%	10.38%	20.80%	0.75%	
	100.00%							

FIGURE 36: (cont.)

COMBINED other

	Q	P	O	N	M	L	K	J
5					2	58	85	13
4	55	32	11	12	57	44	251	20
3	50	30	26	114	101	174	85	13
total	1233							
avg	61.65							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-59.65	-3.65	23.35	-48.65
4	-6.65	-29.65	-50.65	-49.65	-4.65	-17.65	189.35	-41.65
3	-11.65	-31.65	-35.65	52.35	39.35	112.35	23.35	-48.65

positive percentages

	Q	P	O	N	M	L	K	J
5							5.31%	
4							43.02%	
3				11.90%	8.94%	25.53%	5.31%	
	100.00%							

COMBINED Total

	Q	P	O	N	M	L	K	J
5					13	346	377	68
4	294	159	56	46	229	198	618	142
3	283	154	188	348	402	537	326	86
total	4870							
avg	243.5							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-230.50	102.50	133.50	-175.50
4	50.50	-84.50	-187.50	-197.50	-14.50	-45.50	374.50	-101.50
3	39.50	-89.50	-55.50	104.50	158.50	293.50	82.50	-157.50

positive percentages

	Q	P	O	N	M	L	K	J
5						7.65%	9.97%	
4	3.77%						27.96%	
3	2.95%			7.80%	11.83%	21.91%	6.16%	
	100.00%							

FIGURE 36: (cont.)

COMBINED Hornfels								
	Q	P	O	N	M	L	K	J
5					2	28	27	1
4	15	9	5	1	6	7	23	8
3	12	6	8	7	32	9	14	4
total	224							
avg	11.2							
difference between expected and observed								
	Q	P	O	N	M	L	K	J
5					-9.20	16.80	15.80	-10.20
4	3.60	-2.20	-6.20	-10.20	-5.20	-4.20	11.80	-5.20
3	0.80	-3.20	-3.20	-4.20	20.80	-2.20	.80	-7.20
positive percentages								
	Q	P	O	N	M	L	K	J
5						23.14%	21.76%	
4	5.23%						16.25%	
3	1.10%				28.85%		3.86%	
	100.00%							

COMBINED Tuffaceous rock								
	Q	P	O	N	M	L	K	J
5					2	27	47	0
4	39	14	7	2	18	22	32	7
3	20	17	15	26	37	44	28	7
total	411							
avg	20.55							
difference between expected and observed								
	Q	P	O	N	M	L	K	J
5					-18.55	6.45	26.45	-20.55
4	18.45	-6.55	-13.55	-18.55	-2.55	1.45	11.45	-18.55
3	-0.55	-3.55	-6.55	6.45	16.45	23.45	7.45	-13.55
positive percentages								
	Q	P	O	N	M	L	K	J
5						5.51%	22.80%	
4	15.78%					1.24%	9.78%	
3				4.68%	14.05%	20.03%	6.36%	
	100.00%							

COMBINED Quartz								
	Q	P	O	N	M	L	K	J
5					2	12	14	2
4	10	1	8	5	12	5	18	9
3	5	8	14	10	18	17	29	4
total	193							
avg	9.85							
difference between expected and observed								
	Q	P	O	N	M	L	K	J
5					-7.85	2.35	4.35	-7.85
4	0.35	-8.85	-6.85	-4.85	2.85	-4.85	9.35	-0.85
3	-4.85	-4.85	4.35	0.35	8.35	7.35	19.35	-5.85
positive percentages								
	Q	P	O	N	M	L	K	J
5						4.23%	7.84%	
4	0.63%				4.23%		18.85%	
3			7.84%	0.63%	9.64%	13.24%	34.86%	
	100.00%							

FIGURE 36: (cont.)

COMBINED Subtotal Opaline								
	Q	P	O	N	M	L	K	J
5					5	221	204	52
4	175	103	50	26	138	120	283	100
3	196	94	125	191	217	293	170	58
total	2809							
avg	140.45							
difference between expected and observed								
	Q	P	O	N	M	L	K	J
5					-135.5	80.55	63.55	-88.45
4	34.55	-37.45	-110.5	-114.5	-4.45	-20.45	152.55	-40.45
3	55.55	-46.45	-15.45	80.55	7.55	162.55	29.55	-82.45
percentages								
	Q	P	O	N	M	L	K	J
5						11.57%	9.13%	
4	4.96%						21.92%	
3	7.96%			7.26%	11.00%	21.92%	4.28%	
100.00%								

COMBINED Translucent opaline								
	Q	P	O	N	M	L	K	J
5					2	107	100	25
4	85	57	16	20	80	69	152	48
3	105	89	71	116	119	160	103	27
total	1520							
avg	76							
difference between expected and observed								
	Q	P	O	N	M	L	K	J
5					-74.00	31.00	24.00	-81.00
4	7.00	-19.00	-80.00	-56.00	4.00	-7.00	76.00	-28.00
3	30.00	-17.00	-5.00	40.00	43.00	84.00	27.00	-49.00
positive percentages								
	Q	P	O	N	M	L	K	J
5						8.47%	8.56%	
4	1.81%				1.06%		20.77%	
3	8.20%			10.93%	11.75%	22.95%	7.38%	
100.00%								

COMBINED Opaline not translucent								
	Q	P	O	N	M	L	K	J
5					3	108	104	27
4	92	48	14	8	58	51	141	52
3	80	88	54	75	88	131	67	31
total	1281							
avg	64.05							
difference between expected and observed								
	Q	P	O	N	M	L	K	J
5					-61.05	43.85	39.95	-37.05
4	27.95	-18.05	-80.05	-58.05	-8.05	-16.05	76.95	-12.05
3	25.95	-29.05	-10.05	10.95	53.95	66.95	2.95	-33.05
positive percentages								
	Q	P	O	N	M	L	K	J
5						13.84%	12.12%	
4	8.48%						23.55%	
3	7.87%			3.32%	10.30%	20.32%	0.80%	
100.00%								

FIGURE 36: Ja level, spatial distribution raw material

Heat altered stone

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	Q	P	O	N	M	L	K	J
5						12	16	4
4	16	3			5	8	11	7
3	17	1	3	9	8	9	4	4
total	137							
avg	6.85							

difference between expected and observed

	Q	P	O	N	M	L	K	J
5					-6.85	5.15	9.15	-2.85
4	9.15	-3.85	-6.85	-6.85	-1.85	1.15	4.15	0.15
3	10.15	-5.85	-3.85	2.15	1.15	2.15	-2.85	-2.85

positive percentages

	Q	P	O	N	M	L	K	J
5						11.57%	20.56%	
4	20.56%					2.58%	9.33%	0.34%
3	22.81%			4.83%	2.58%	4.83%		
total	100.00%							

FIGURE 35: Ja level, spatial distribution heat altered stone material

FIGURE 43: (cont.)

1. CM level, K3 - hornfels
2. CM level, K3 - other
3. CM level, K3 - other
4. CM level, L3 - other, 'boot-shaped' flake
5. CM level, J3 - opaline not translucent

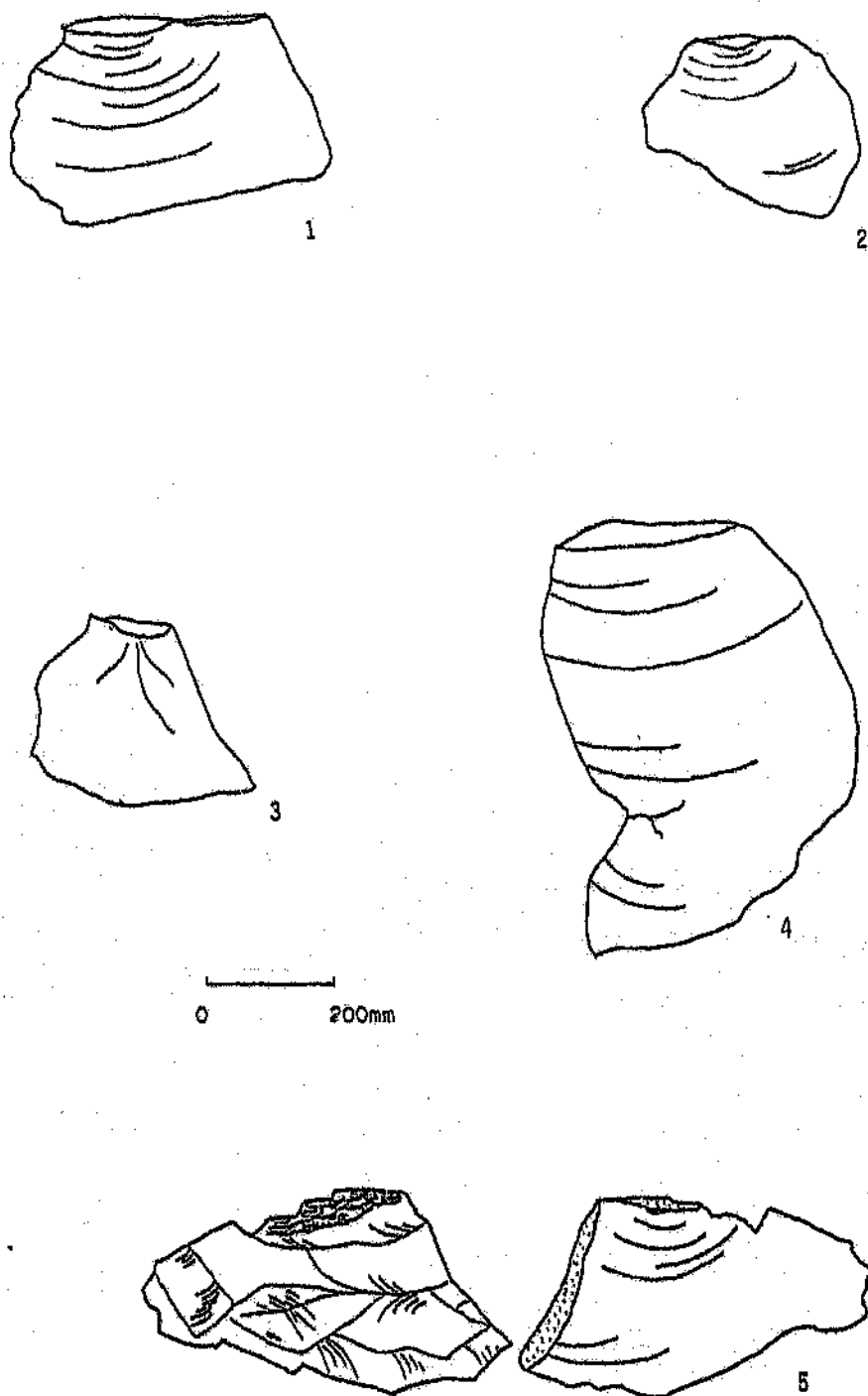


FIGURE 43: Illustration of selected side-struck flakes and typical "boot-shaped" flake

FIGURE 42: (cont.)

1. Ja level, N3 - opaline not translucent, end-struck flake
2. Ja level, N3 - opaline not translucent, end-struck flake
3. Ja level, K3 - opaline not translucent, spokeshave
4. Ja level, K3 - opaline not translucent, core
5. CM level, K3 - opaline not translucent, core
6. CM level, K3 - opaline translucent, broken flake
7. H level, M5 - opaline not translucent, core
8. H level, L5 - opaline not translucent, core
9. H level, L5 - opaline translucent, bladelet

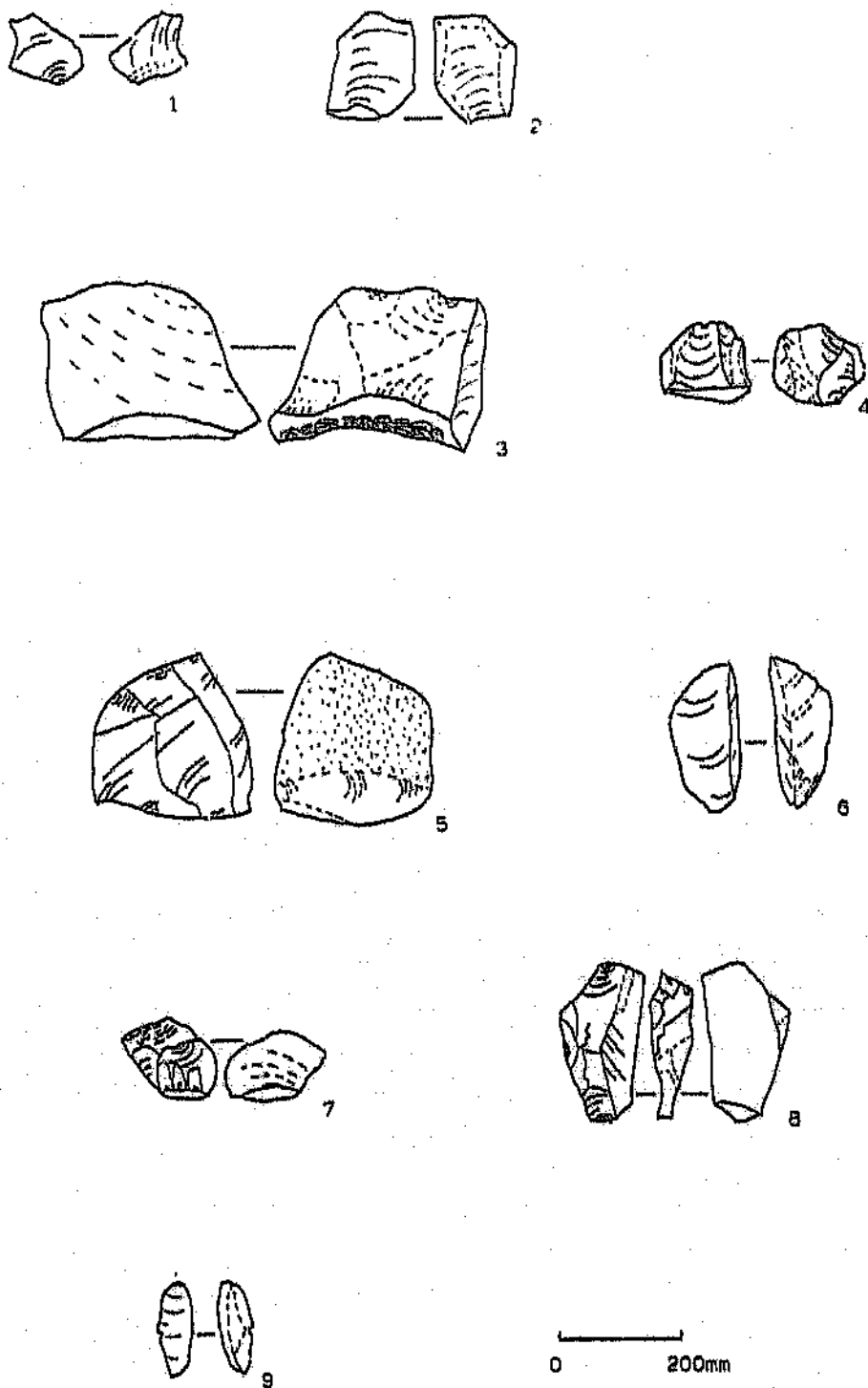
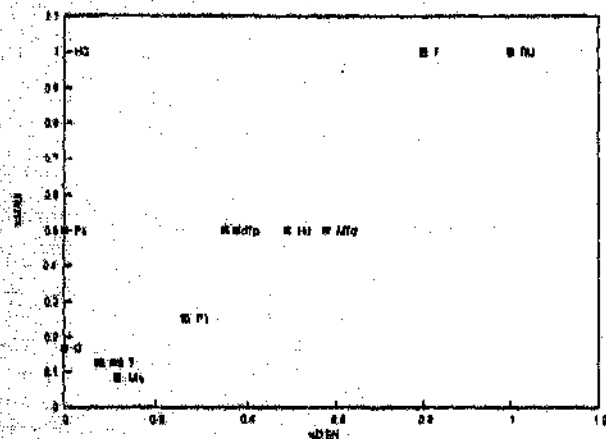


FIGURE 42: Illustration of some re-worked stone material

BOV 1 - %DEN : %MAU



BOV 3 - %DEN : %MAU

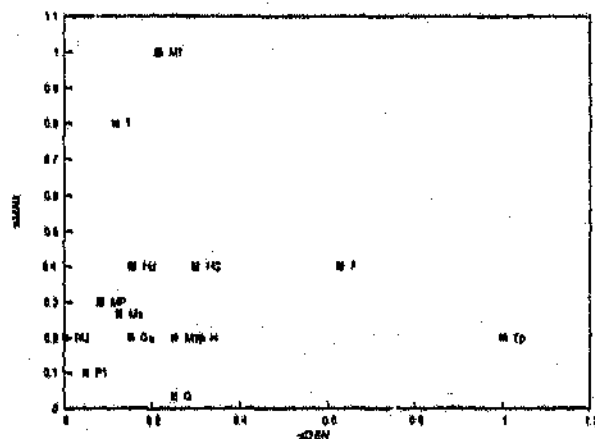
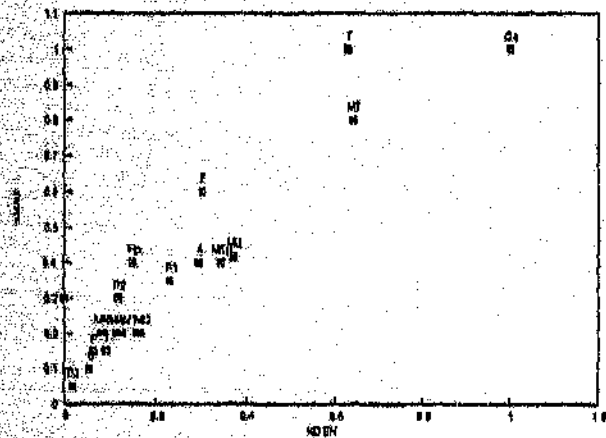
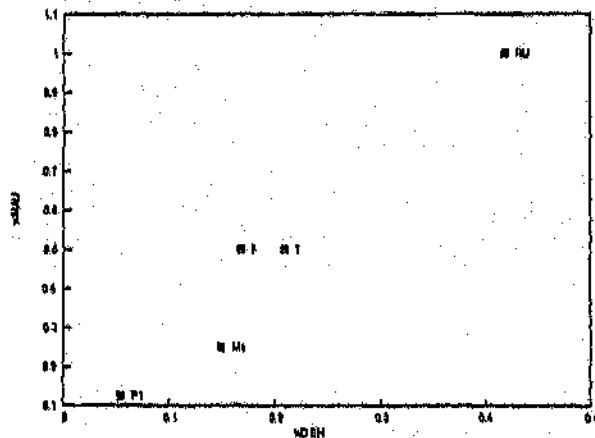


FIGURE 41: Ja level,
XY scatterplot
%Density versus
%Minimal Animal Units

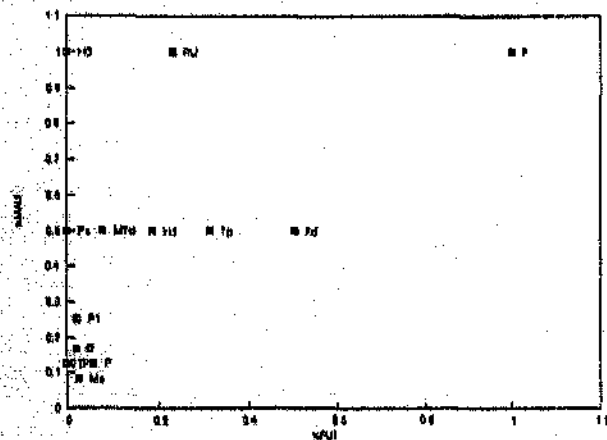
BOV 2 - %DEN : %MAU



BOV 4 - %DEN : %MAU



BOV1 - %FUI : %MAU



BOV3 - %FUI : %MAU

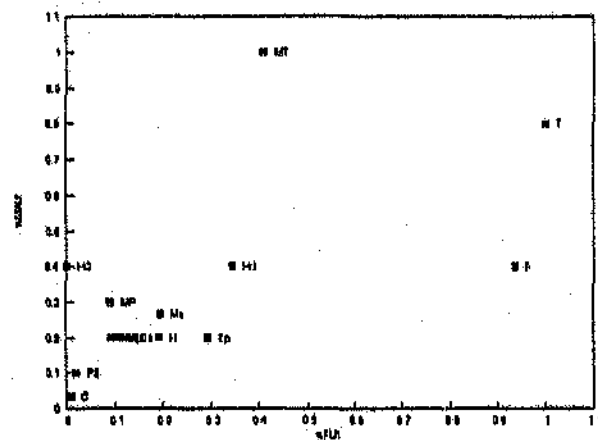
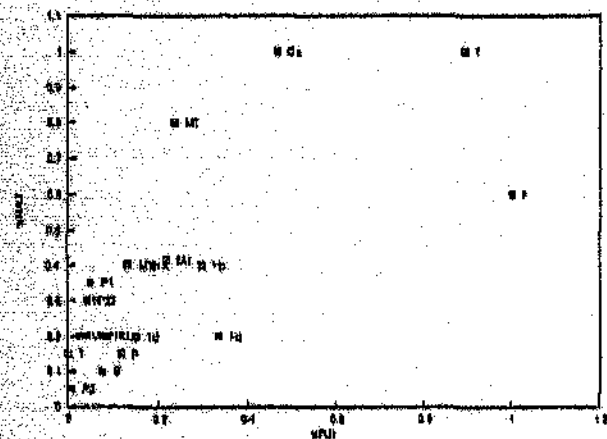
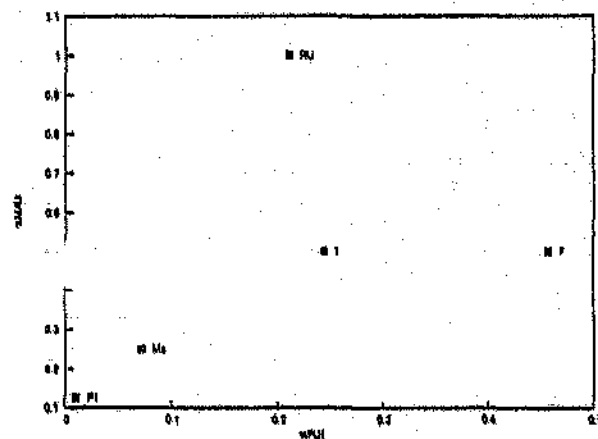


FIGURE 41: Ja level,
XY scatterplot
%Food Utility Index versus
%Minimal Animal Units

BOV2 - %FUI : %MAU



BOV4 - %FUI : %MAU



Rib (g)

	Q	P	O	N	M	L	K	J
5					9.3	51.7	-	2.5
4	9.7	20.5	2.1	-	29.3	35.5	-	13.2
3	2.3	5.7	9.6	20.3	2.2	13.5	-	2
total	229.4							
avg	14.338							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-5.038	37.363		-11.84
4	-4.638	6.1625	-12.24		14.963	21.163		-1.137
3	-12.04	-8.638	-4.737	5.9625	-12.14	-0.837		-12.34

positive percentages

	Q	P	O	N	M	L	K	J
5						43.64%		
4		7.20%			17.48%	24.72%		
3				6.96%				
	100.00%							

Longbone (g)

	Q	P	O	N	M	L	K	J
5					161.8	702.3	-	37.5
4	211.8	318.8	69.5	-	363.71	352.37	-	267.3
3	71.88	170.75	158.57	213.69	173.9	283	-	105.68
total	3662.6							
avg	228.91							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-67.11	478.39		-191.4
4	-17.11	89.891	-159.4		134.8	123.46		38.391
3	-157	-58.16	-70.34	-15.22	-55.01	54.091		-123.2

positive percentages

	Q	P	O	N	M	L	K	J
5						51.79%		
4		9.83%			14.75%	13.51%		4.20%
3						5.92%		
	100.00%							

FIGURE 40: (cont.)

Enamel (g)

	Q	P	O	N	M	L	K	J
5					24.9	59	-	5
4	22.2	24.8	10.07	-	38.2	27.9	-	38.2
3	17.5	51.89	19.4	15	12.5	28.4	-	22
total	420.78							
avg	26.298							

difference between ob. and expected

	Q	P	O	N	M	L	K	J
5					-1.388	26.703		-21.3
4	-4.098	-1.488	-15.28		11.903	1.6025		11.903
3	-5.788	35.393	-6.898	-11.3	-13.8	2.1025		-4.298

positive percentages

	Q	P	O	N	M	L	K	J
5						29.80%		
4					13.28%	1.79%		19.28%
3		39.50%				2.35%		
	100.00%							

Skull (g)

	Q	P	O	N	M	L	K	J
5					10.3	90.8	-	3.7
4	37.1	31.8	4	-	40.5	43.4	-	17.1
3	6.5	19.2	9.4	17.7	13.2	21.4	-	6.1
total	372.2							
avg	23.263							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-12.98	67.838		-19.56
4	13.897	8.5978	-19.26		17.238	20.188		-6.163
3	-16.76	-4.083	-10.86	-5.558	-10.06	-1.863		-17.16

positive percentages

	Q	P	O	N	M	L	K	J
5						56.78%		
4	11.42%	7.05%			14.23%	18.63%		-5.09%
3								
	100.00%							

Vertebra (g)

	Q	P	O	N	M	L	K	J
5					7.4	45.97		0
4	8	30.8	1		26.5	28.3		9.8
3	7.9	7.2	5	9.6	5.9	13.5		0
total	202.87							
avg	12.679							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-5.279	38.291		-12.68
4	-5.879	18.121	-11.68		13.821	13.821		-2.879
3	-4.779	-5.479	-7.879	-4.079	-6.779	0.8206		-12.68

positive percentages

	Q	P	O	N	M	L	K	J
5						41.78%		
4		22.74%			17.95%	17.10%		
3						1.03%		
	100.00%							

FIGURE 40: (cont.)

TOTAL (g)

	Q	P	O	N	M	L	K	J
5					344.8	1029.9	-	72
4	828.2	544.19	116.89	-	731.81	595.02	-	445.9
3	182.28	358.14	244.87	348.79	288.6	457.78	-	179.79
total	6486.5							
avg	405.41							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-60.81	624.46	-	-333.4
4	120.79	138.78	-288.7	-	326.4	188.81	-	40.493
3	-213.1	-47.27	-180.7	-58.62	-106.6	82.373	-	-228.6

positive percentages

	Q	P	O	N	M	L	K	J
5						41.83%		
4	8.09%	9.30%			21.85%	12.70%		2.71%
3						3.51%		
	100.00%							

Burnt bone (g)

	Q	P	O	N	M	L	K	J
5					285	879.87	-	84.9
4	423.9	384.7	74	-	664	465.65	-	151.8
3	148.28	222.35	84.6	348.35	232.6	309	-	143.8
total	4890.7							
avg	305.67							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-20.87	574.2	-	-240.8
4	116.28	89.031	-281.7	-	348.33	199.98	-	-154.2
3	-187.4	-83.32	-211.1	40.681	-72.87	3.3313	-	-161.9

positive percentages

	Q	P	O	N	M	L	K	J
5						43.16%		
4	8.89%	6.69%			26.18%	12.02%		
3				3.05%				
	100.00%							

Chopped and out bone (g)

	Q	P	O	N	M	L	K	J
5					0.1	-	-	-
4	1.6			-		-	-	-
3					4.9	-	-	-
total	6.6							
avg	0.4063							

difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-0.306	-0.408	-	-0.408
4	1.0938	-0.408	-0.408	-	-0.408	-0.408	-	-0.408
3	-0.408	-0.408	-0.408	-0.408	4.4938	-0.408	-	-0.408

positive percentages

	Q	P	O	N	M	L	K	J
5								
4	19.57%							
3					80.43%			
	100.00%							

FIGURE 40: Ja level, spatial distribution bone material

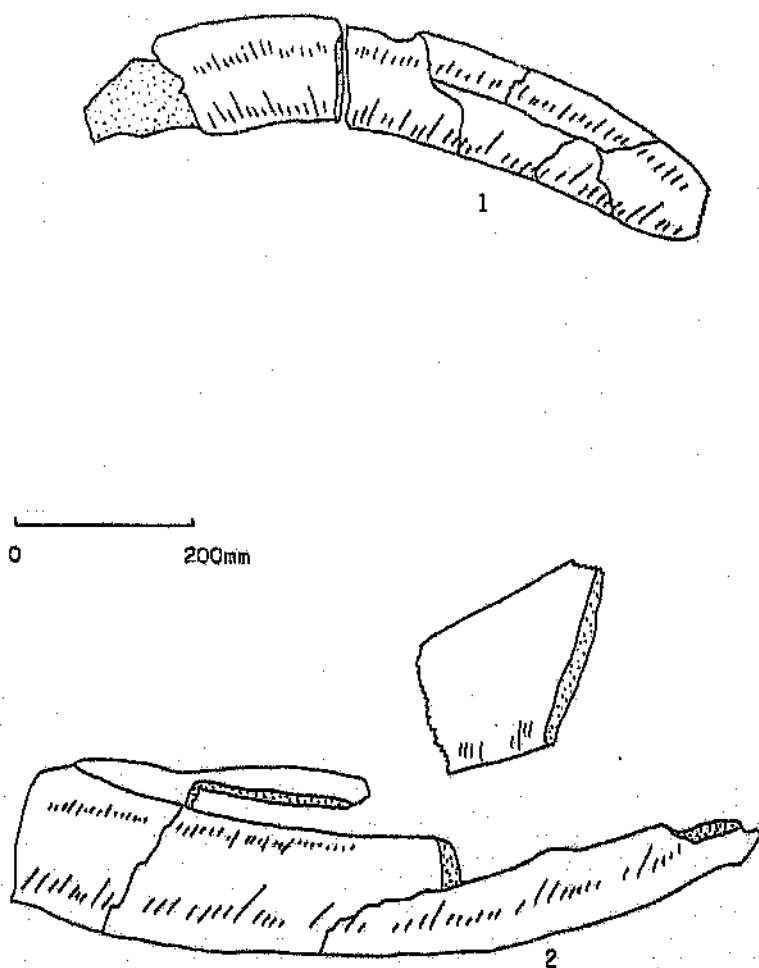


FIGURE 39: (cont.)

Illustration: 1 - P4 warthog tusk "dagger"

2 - L4 warthog tusk "dagger" and separate piece

Worked bone

	Q	P	O	N	M	L	K	J
5					1			
4	1	1			1	1		2
3							1	
total	8.00							
avg	0.40							

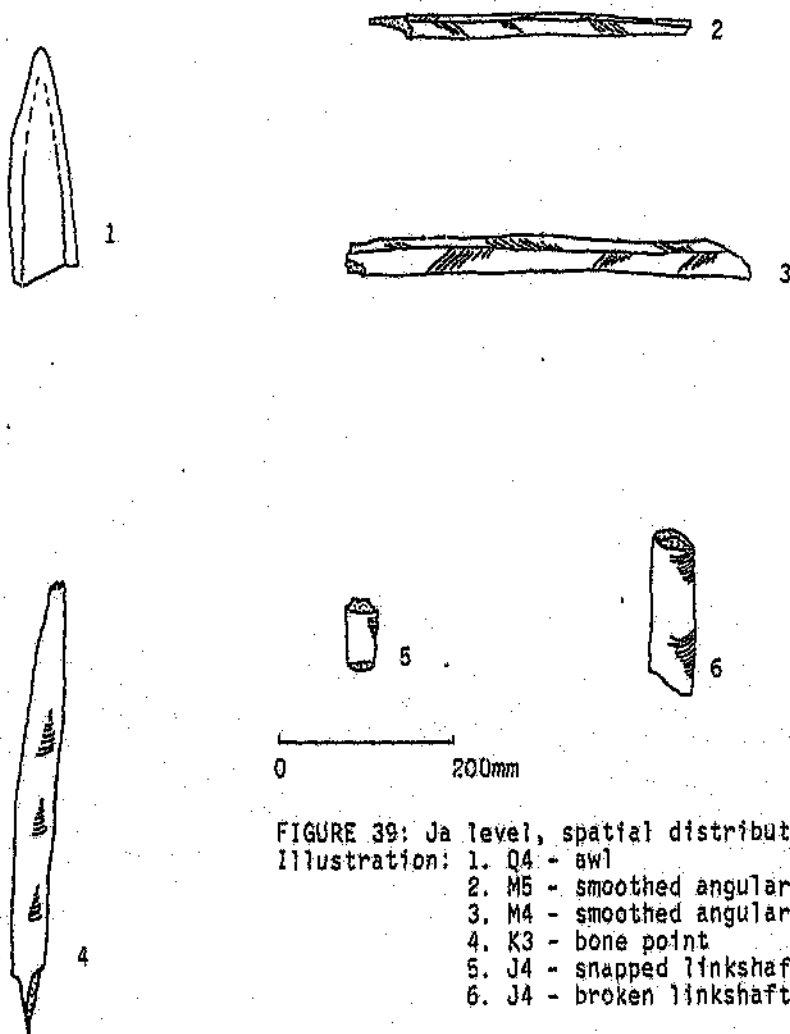


FIGURE 39: Ja level, spatial distribution worked bone

Illustration: 1. Q4 - awl
 2. M5 - smoothed angular piece
 3. M4 - smoothed angular piece
 4. K3 - bone point
 5. J4 - snapped linkshaft
 6. J4 - broken linkshaft

Ostrich egg shell (g)

	Q	P	O	N	M	L	K	J
5					0.2	25.2	0.2	0.2
4	20.7	7.7	2.5		9.5	1.6	13.2	2.1
3		1.65		9	0.2	0.9	11.9	
total	106.75							
avg	5.34							

Difference between observed and expected

	Q	P	O	N	M	L	K	J
5					-5.138	19.863	-5.138	-5.138
4	15.363	2.3625	-2.838		4.1625	-3.738	7.8625	-3.238
3		-3.688		3.6625	-5.138	-4.438	6.5625	

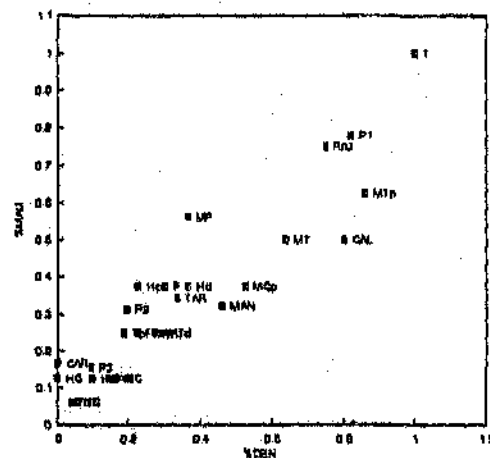
positive percentages

	Q	P	O	N	M	L	K	J
5						33.19%		
4	25.67%	3.95%			6.96%		13.14%	
3				6.12%			10.97%	
	100.00%							

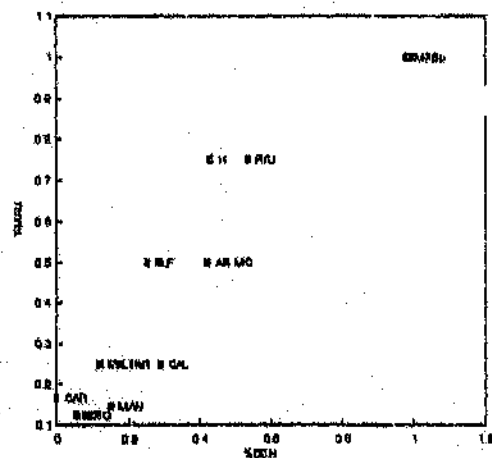
No worked ostrich egg shell

FIGURE 38: Ja level, spatial distribution ostrich egg shell

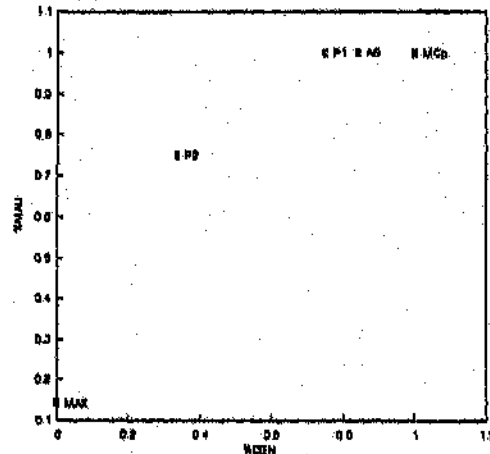
BOV 3 - %DEN: %MAU



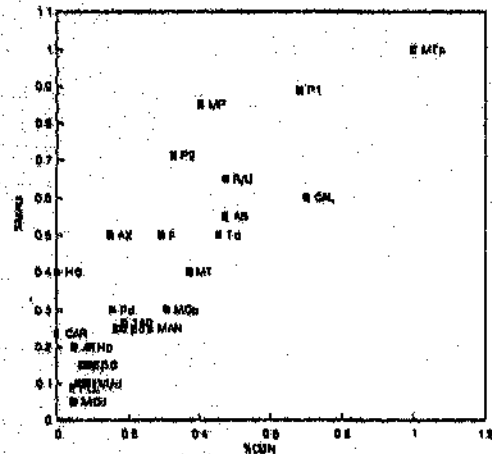
BOGV 1 - %DEN ; %MAU



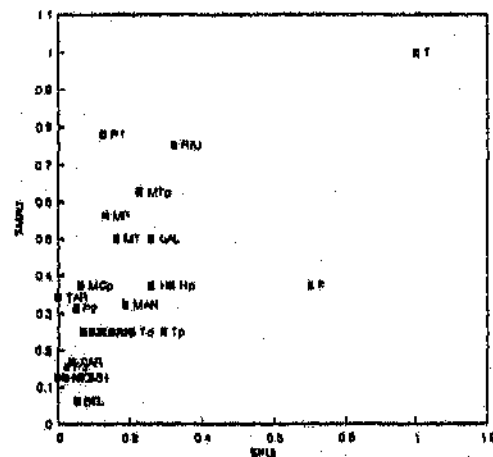
BOV 4 - %DEN : %MAU



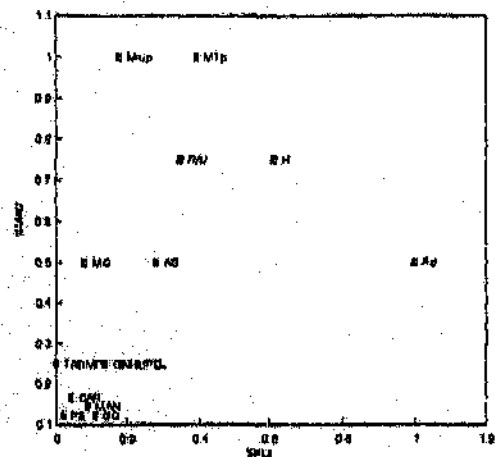
BOV 2 - %OEN : %MAU



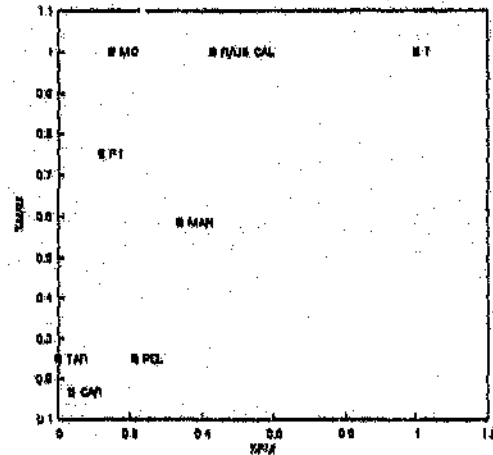
BOV 3 - %FLU : %MAU



BOV 1 - %FLH : %MAU



BOV-4 ← %FU : %MAU



BOV2 - %FUX : %MAU

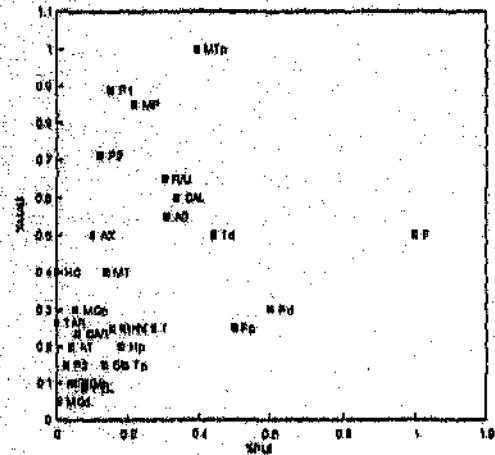
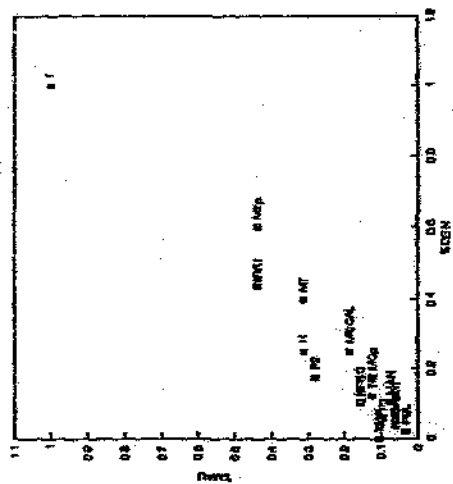
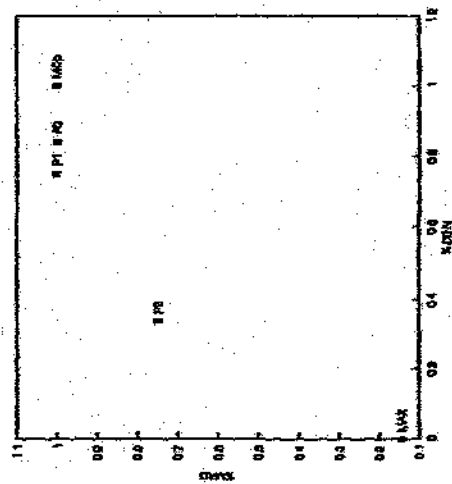


FIGURE 49: A level (cont.)

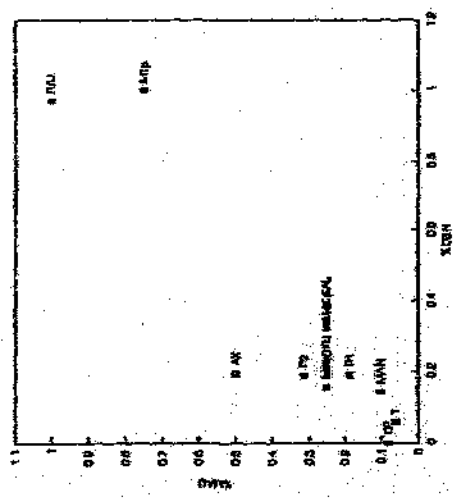
BOV 3 - %DEN : %MAU



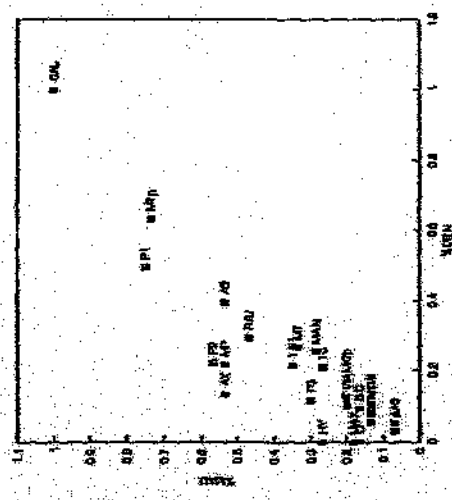
BOV 4 - %DEN : %MAU



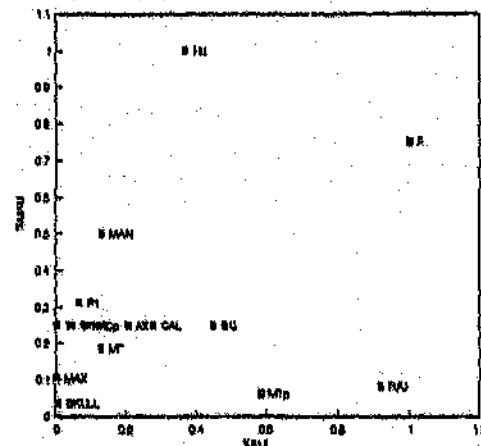
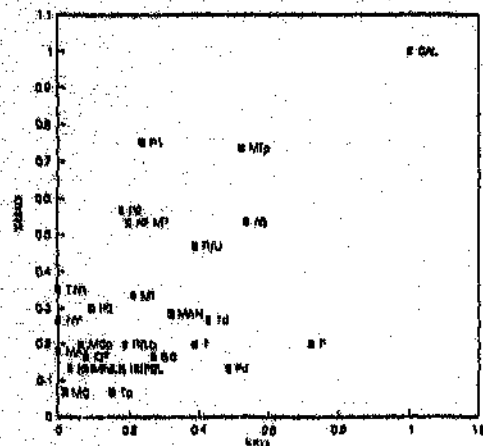
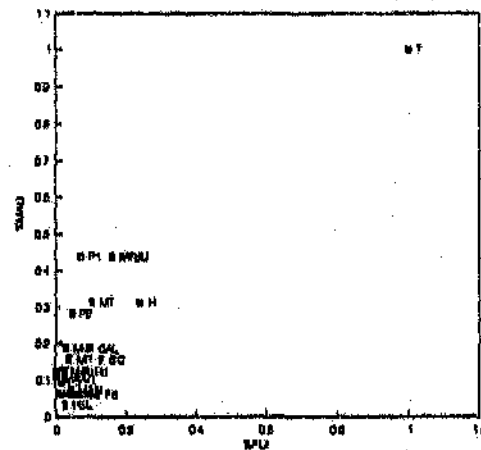
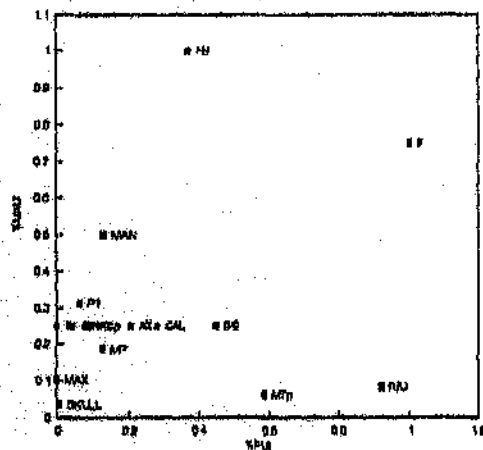
BOV 1 - %DEN : %MAU



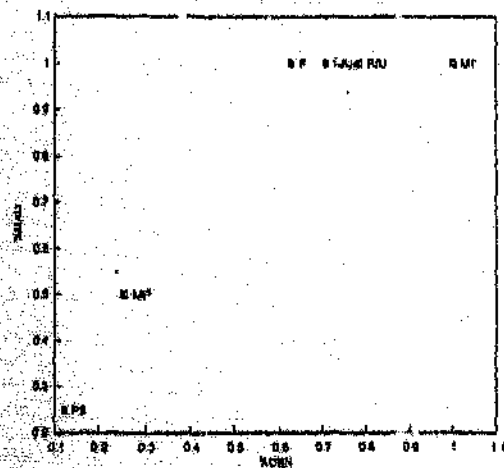
BOV 2 - %DEN : %MAU



134



BOV 1 - %DEN : %MAU



BOV 3 - %DEN : %MAU

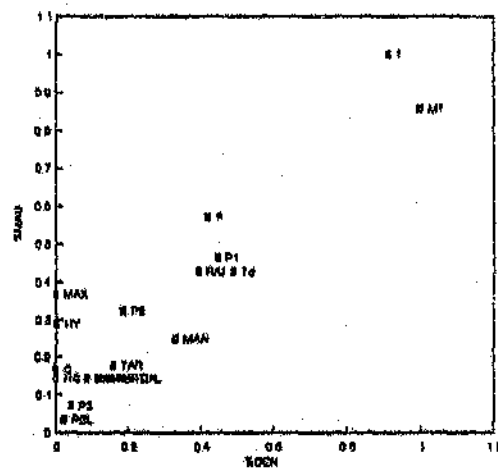
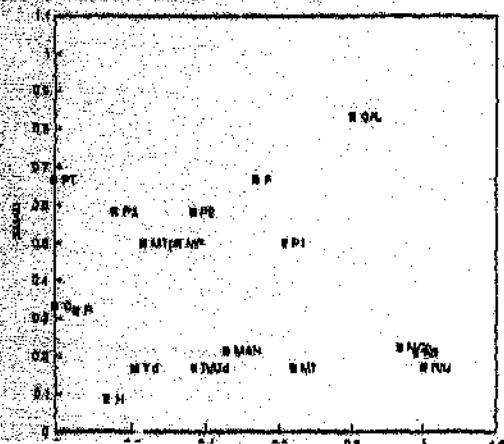
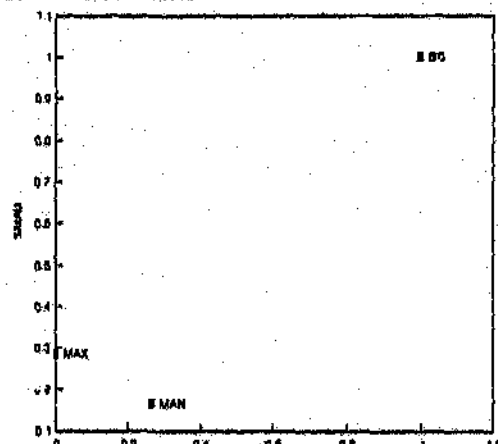


FIGURE 49: Mn level (cont.)
 %Density versus
 %Minimal Animal Units

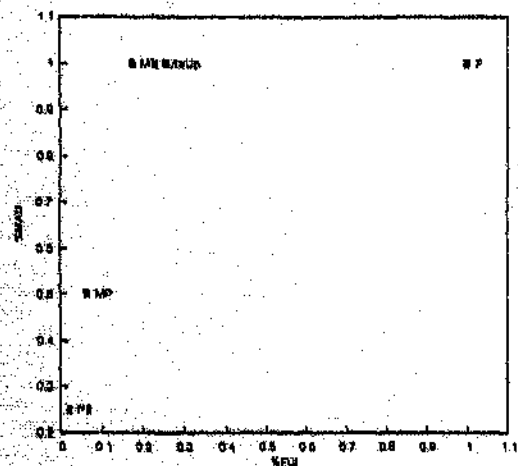
BOV 2 - %DEN : %MAU



BOV 4 - %DEN : %MAU



BOV 1 - %FLI : %MAU



BOV 3 - %FLI : %MAU

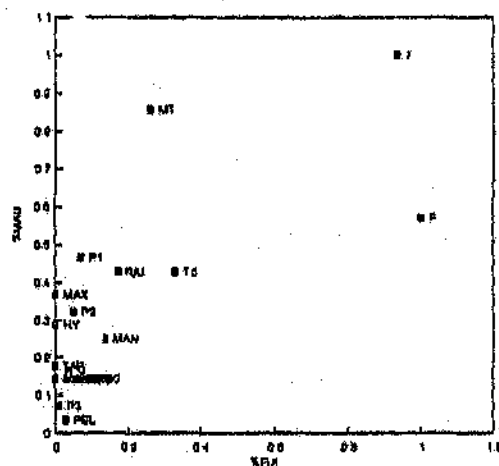
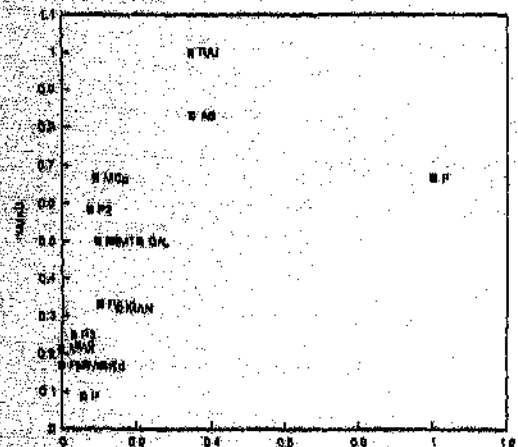
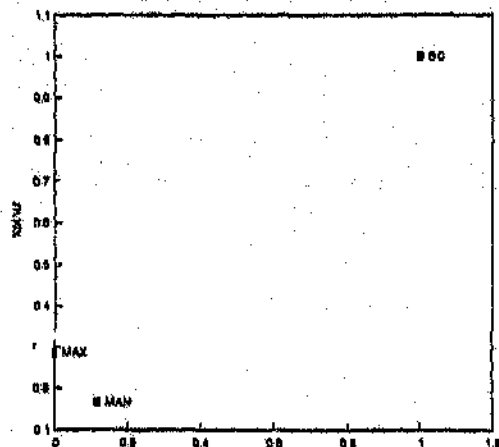


FIGURE 49: Mn level, XY scatterplot
%Food Utility Index versus
%Minimal Animal Units

BOV 2 - %FLI : %MAU



BOV 4 - %FLI : %MAU



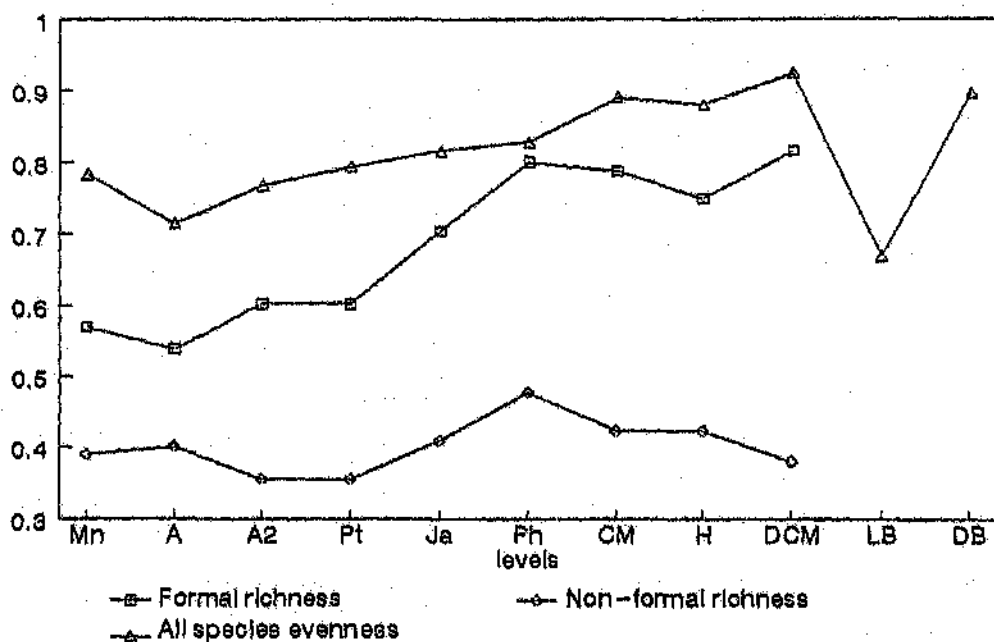


FIGURE 48: All levels, Formal and Non-Formal stone material richness and All species evenness indices.

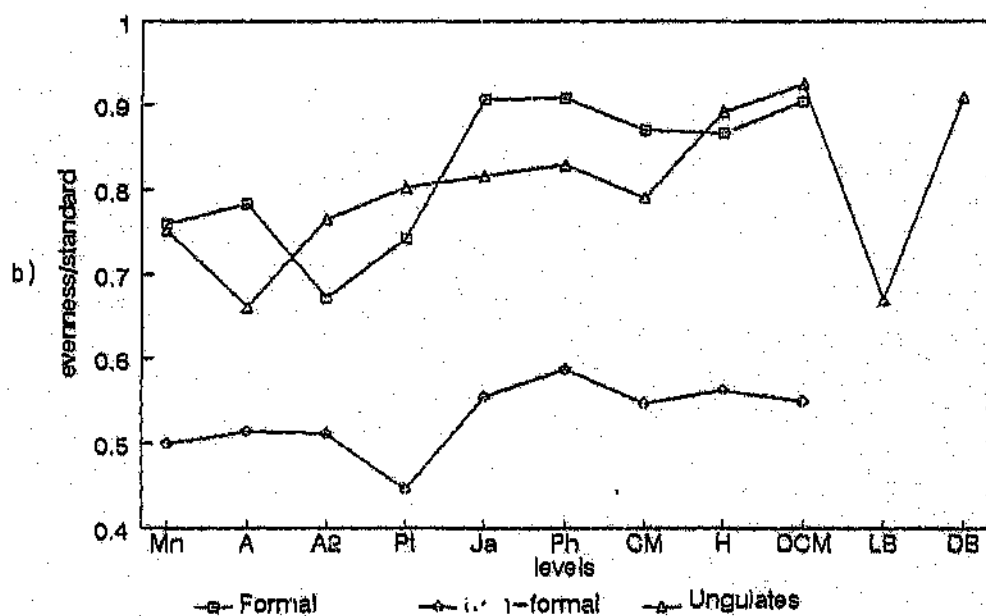
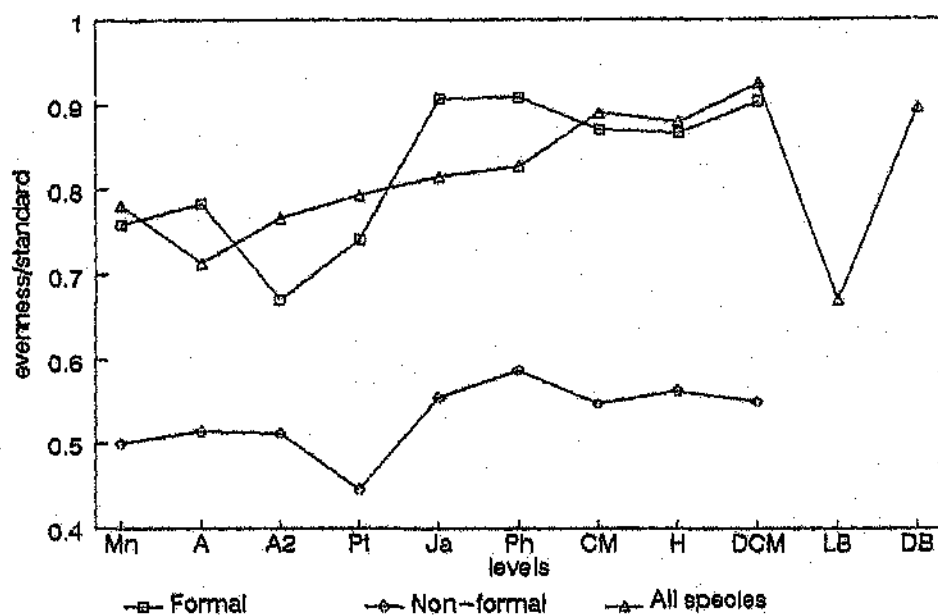


FIGURE 47: All levels, evenness indices

a) Formal & Non-Formal stone material and All species

b) Formal & Non-Formal stone material and Ungulates

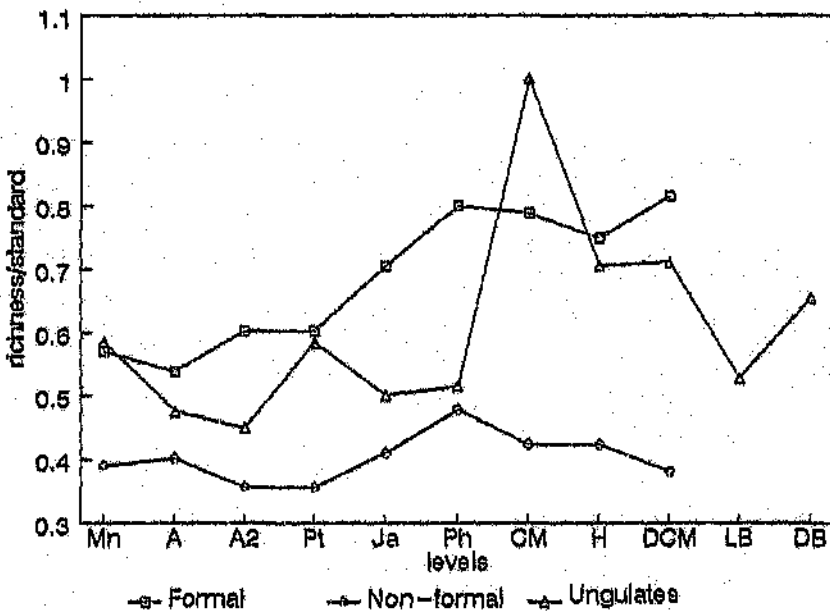
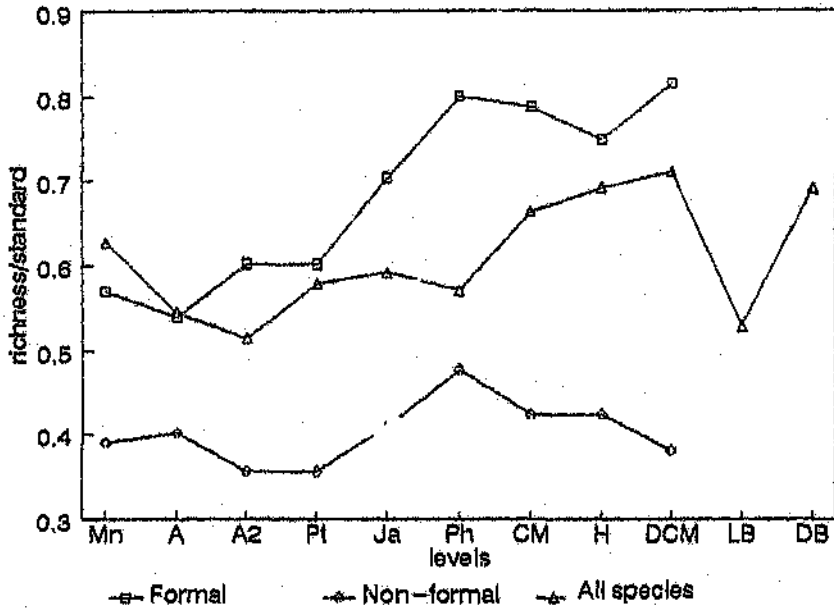


FIGURE 46: All levels, richness indices

a) Formal and Non-Formal stone material and All species

b) Formal and Non-Formal stone material and Ungulates

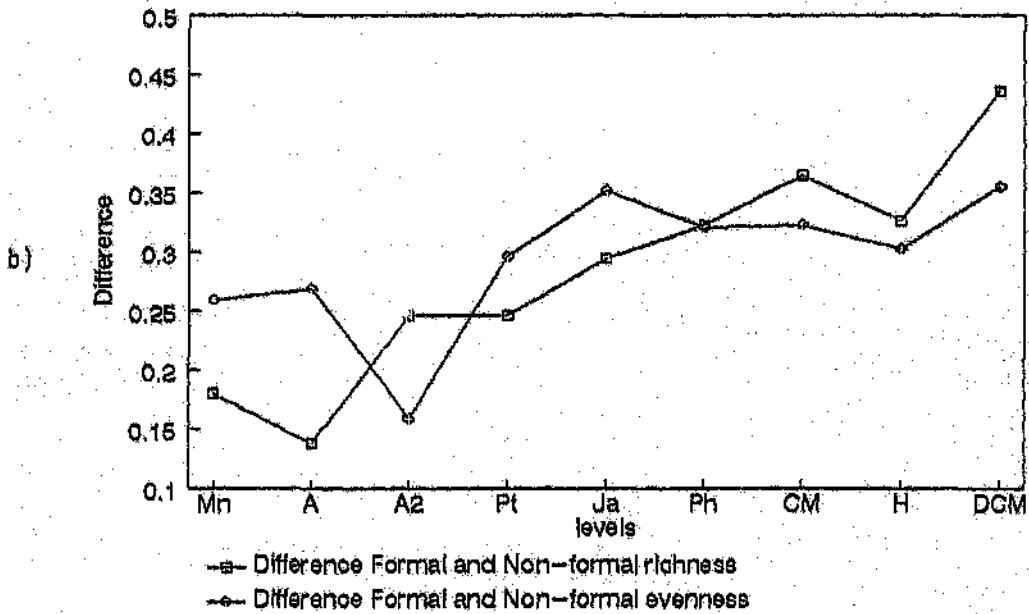
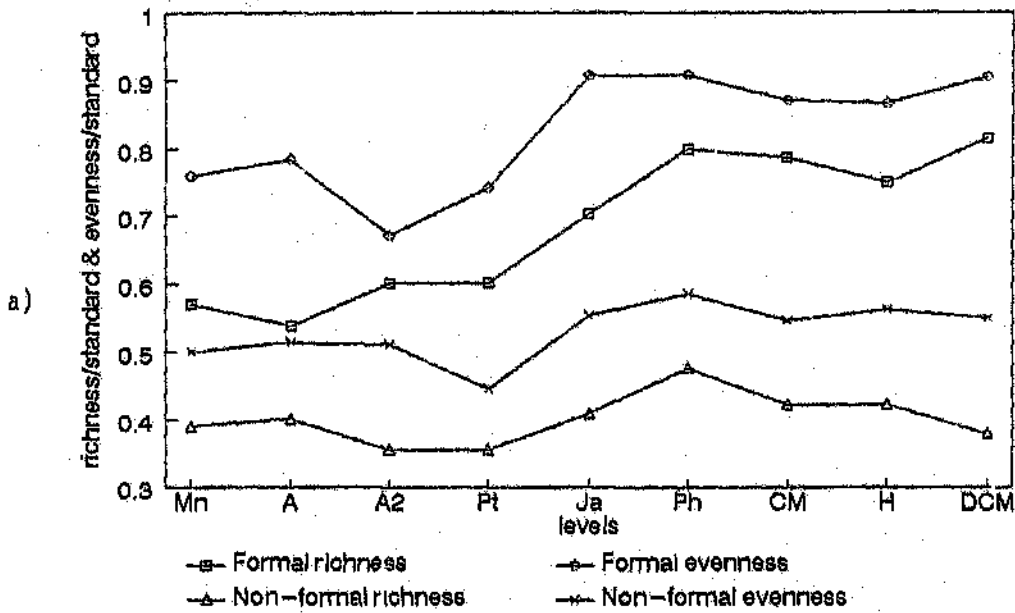


FIGURE 45: All levels, stone material richness and evenness indices
 a) Formal and Non-Formal material
 b) Difference Formal and Non-Formal material

FIGURE 44: (cont.)

1. Ja level, K5 - hornfels, end-struck flake
2. Ja level, K5 - opaline not translucent, bladelet
3. Ja level, K3 - opaline translucent, broken blade
4. Ja level, O3 - opaline translucent, bladelet
5. CM level, K3 - opaline not translucent, bladelet
6. CM level, K3 - opaline translucent, broken bladelet
7. CM level, J3 - opaline translucent, bladelet
8. CM level, K3 - opaline translucent, blade
9. H level, J5 - hornfels, end-struck flake
10. H level, J5 - opaline translucent, broken flake
11. H level, J5 - opaline translucent, broken bladelet
12. H level, J5 - opaline not translucent, broken flake (this specimen is also extensively heat altered)

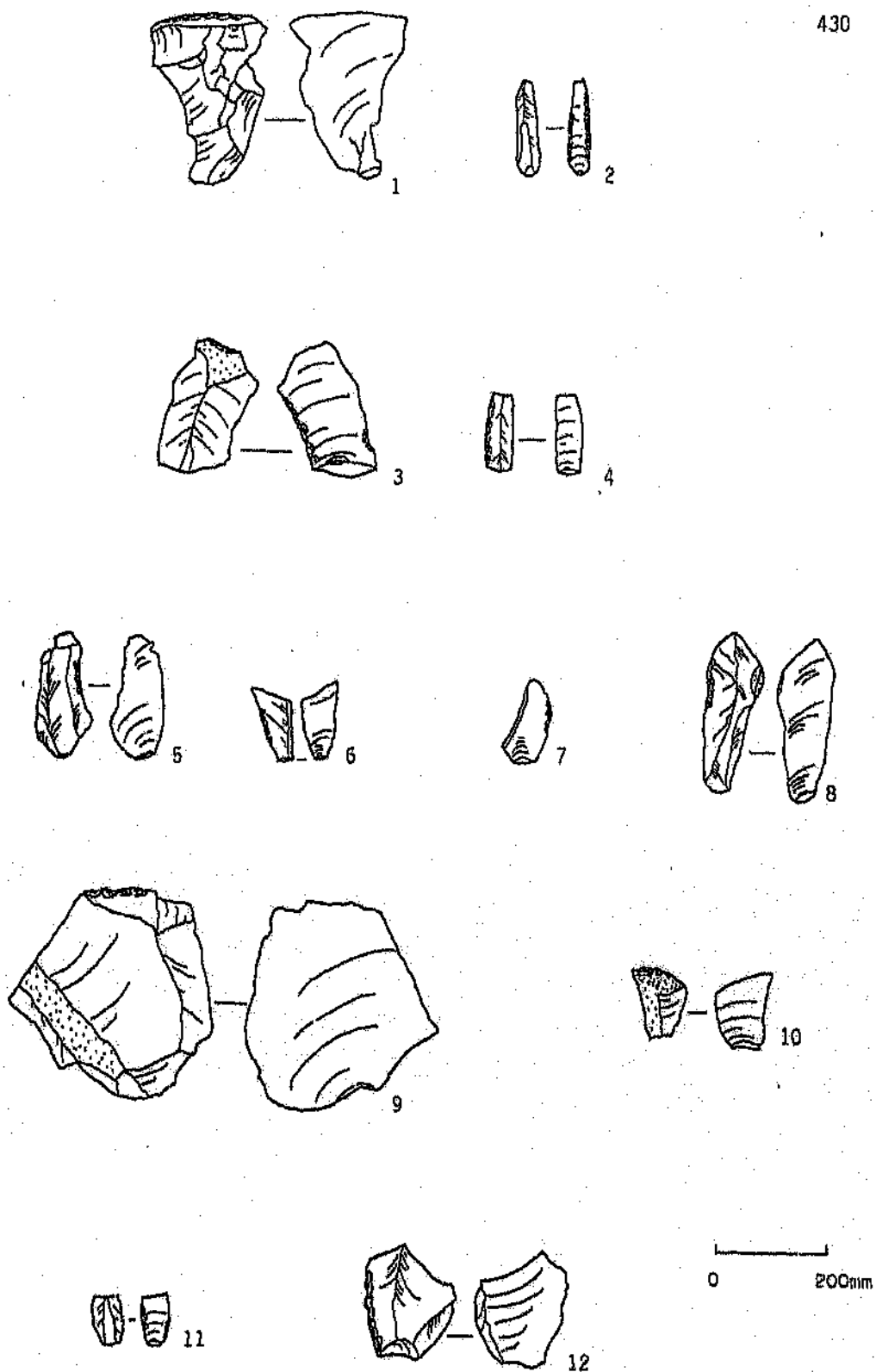


FIGURE 44: Illustration of selected utilised stone material

[illegible]

FIGURE 49: DB level, XY scatterplot
%Food Utility Index versus
%Minimal Animal Units

Monomer Ratio (XPM)	Degree of Polymerization (GPI)	Label
0.05	0.25	HAK
0.25	0.45	HAK
0.50	1.00	HT
1.00	1.00	HT

BOV3 - %DEN : %MAU

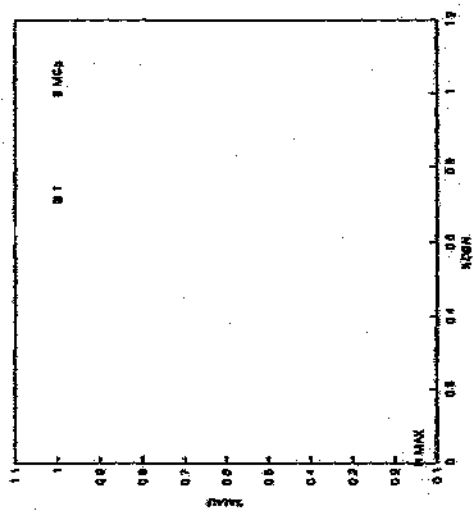
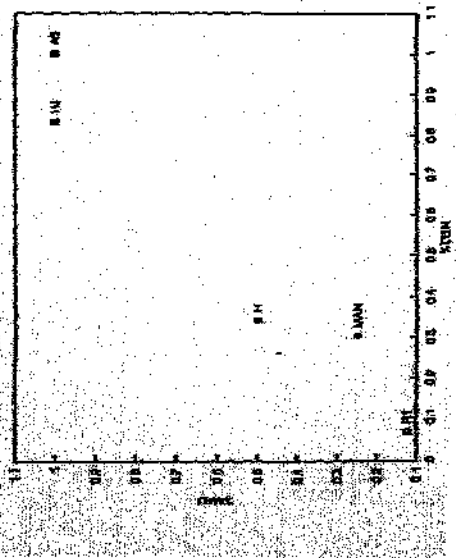


FIGURE 49: LB level (cont.)
%Density versus
%Minimal Animal Units

BOV2 - %DEN : %MAU



BOV3 -- %FUI: %MAU

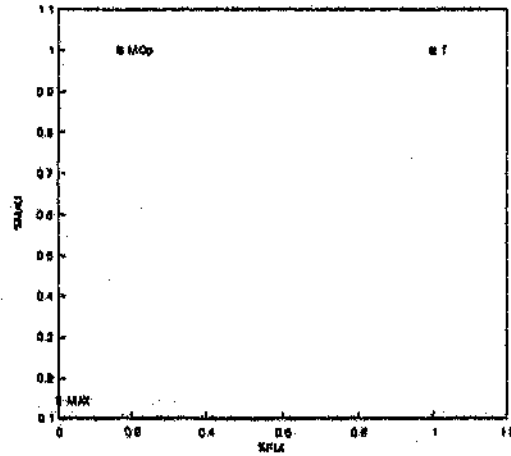


FIGURE 49: LB level, XY scatterplot
%Food Utility Index versus
%Minimal Animal Units

BOV2 -- %FUI: %MAU

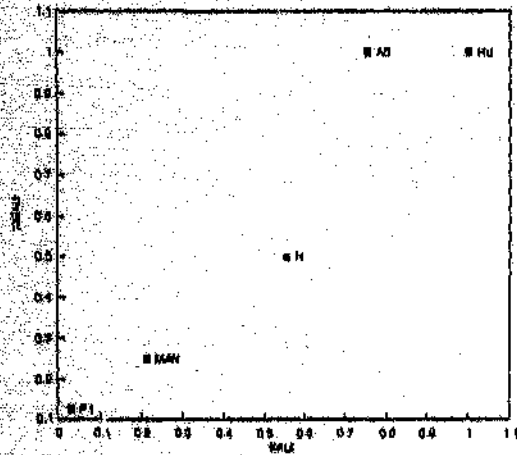
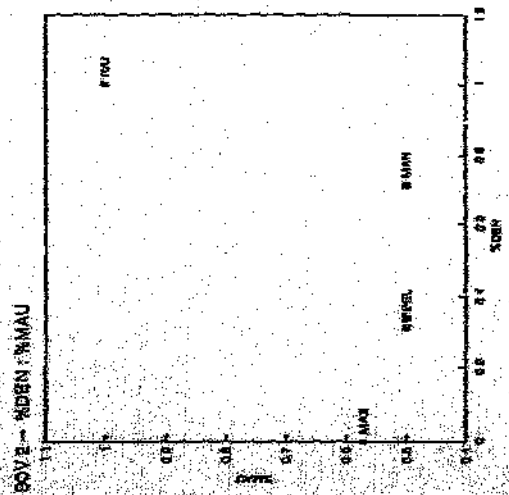
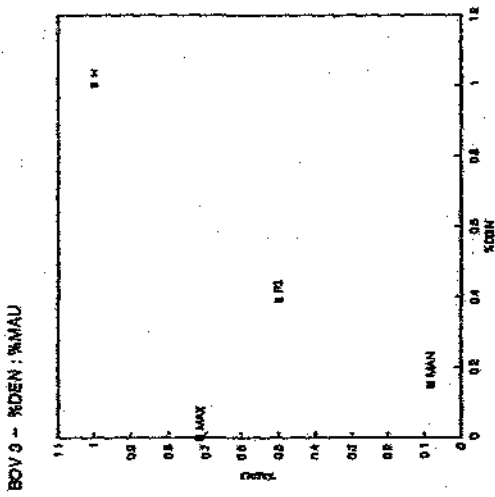


FIGURE 49: DCM level (cont.)
%Density versus
%Minimal Animal Units



BOV3 - %FUI : %MAU

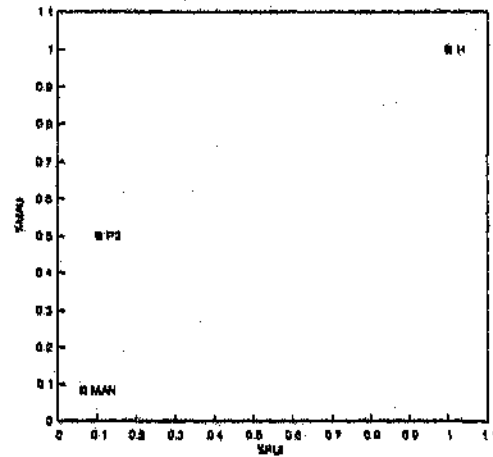
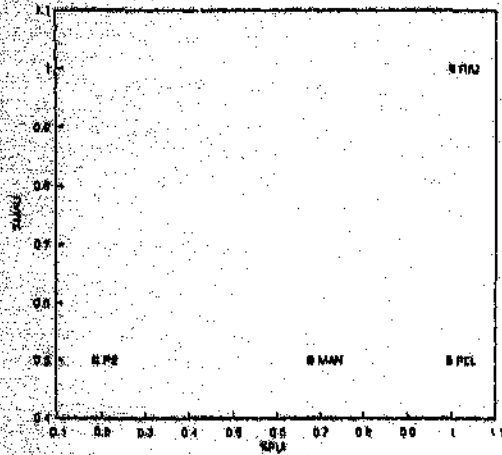
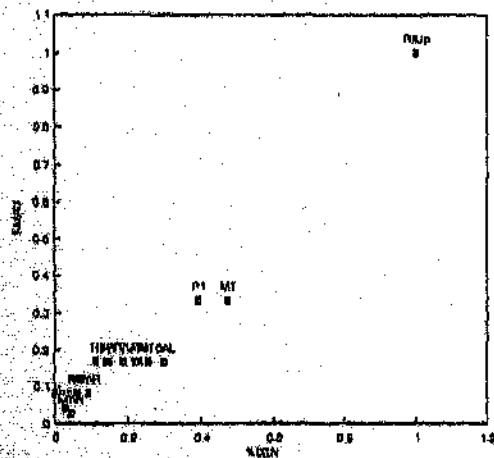


FIGURE 49: DCM level, XY scatterplot
%Food Utility Index versus
%Minimal Animal Units

BOV2 - %FUI : %MAU



BOV 1 - %DEN : %MAU



BOV 3 - %DEN : %MAU

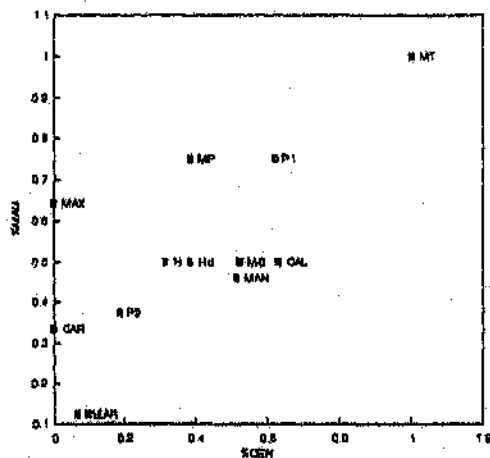
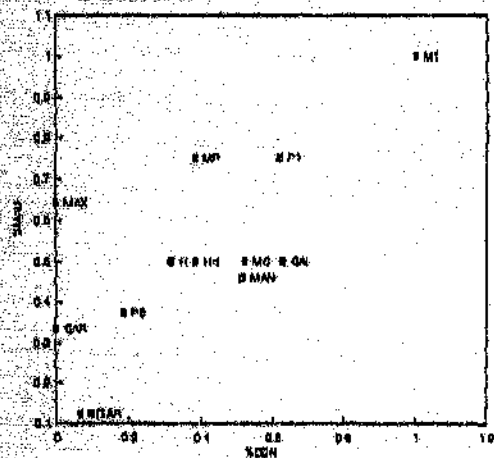
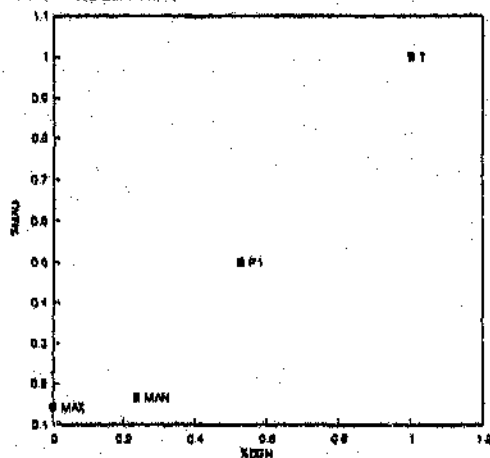


FIGURE 49: Pt level (cont.)
 %Density versus
 %Minimal Animal Units

BOV 2 - %DEN : %MAU



BOV 4 - %DEN : %MAU



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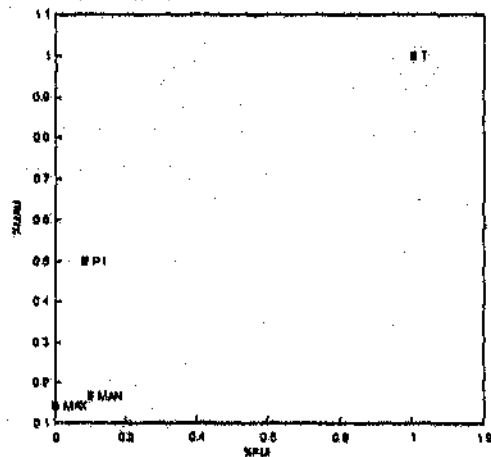
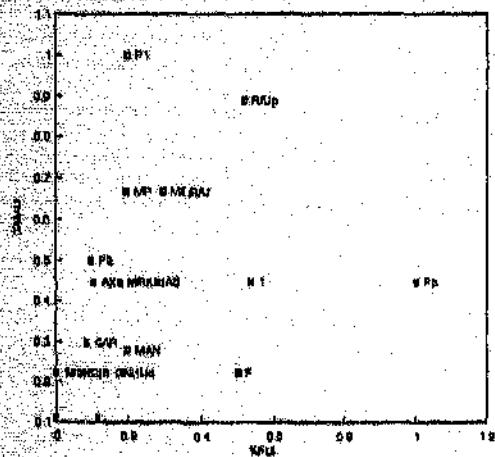
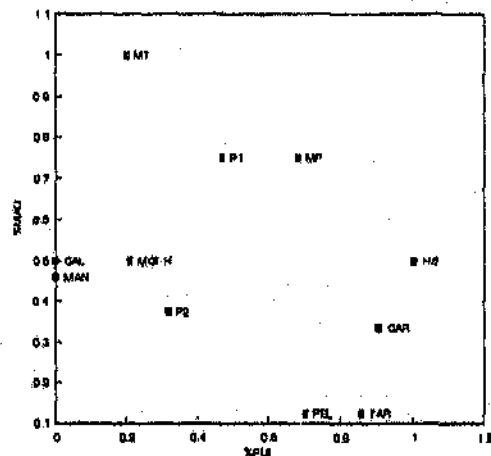
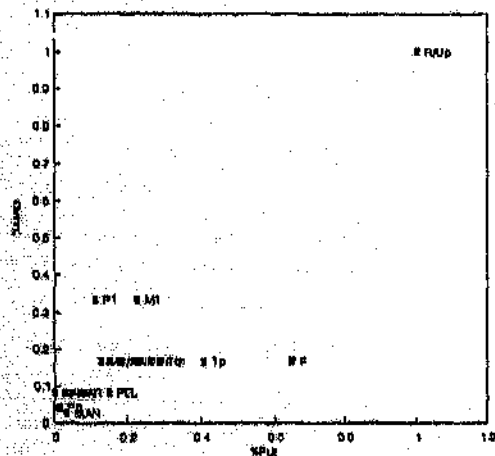


TABLE 42: Bovidae Food Utility and Density values
Mn level

Boys	NBP	MAU	%MAU/M	FLI	%FLI/M	DENSITY	%DENSITY
SKULL							
HORNCOPE							
HYD							
MAXILLA	1	0.07	14.28%				
MANDIBLE							
ATLAS							
AXIS							
PULVIS							
SCAPULA							
HUMERUS							
PROXIMAL							
DIAPH							
RADIUS/ULNA	1	0.00	100.00%	500.00	22.00%	0.20	70.43%
PROXIMAL	1	0.00	100.00%	501.50	22.74%	0.15	70.58%
DIAPH							
CARPALS							
METACARPAL							
PROXIMAL							
DIAPH							
FEMUR	1	0.00	100.00%	500.00	100.00%	1.0	82.75%
PROXIMAL							
DIAPH							
PATELLA							
TIBIA							
PROXIMAL							
DIAPH							
METATARSAL	1	0.00	100.00%	400.75	17.46%	0.06	100.00%
PROXIMAL							
DIAPH							
TARSAL							
ASTRAGALUS							
CALCANEUM							
METAPODIAL	1	0.00	80.00%	100.75	0.97%	0.07	25.40%
SESAMOID							
PHALANX 1							
PHALANX 2	1	0.10	20.00%	50.00	0.10%	0.00	12.20%
PHALANX 3	1	0.10	20.00%	50.00	0.10%	0.00	12.20%
PHALANX INDET							
TOTALS	5			4501.24		0.26	
Boys	NBP	MAU	%MAU/M	FLI	%FLI/M	DENSITY	%DENSITY
SKULL							
HORNCOPE							
HYD							
MAXILLA	0	0.04	21.43%				
MANDIBLE	23	0.00	0.00%	1000.00	14.00%	0.00	45.00%
ATLAS							
AXIS							
PULVIS	2	0.20	0.00%	501.75	0.70%	0.07	8.03%
SCAPULA							
HUMERUS	1	0.00	10.00%	1010.00	10.10%	0.10	10.33%
PROXIMAL							
DIAPH							
RADIUS/ULNA	0	0.00	100.00%	501.00	04.43%	1.00	100.00%
PROXIMAL	1	0.00	10.00%	501.00	04.44%	0.10	10.00%
DIAPH	2	1.00	03.33%	1000.00	10.11%	0.44	30.00%
CARPALS	0	0.07	22.22%	400.00	4.24%		
METACARPAL							
PROXIMAL	4	0.00	00.00%	000.00	0.07%	1.12	03.03%
DIAPH							
FEMUR	4	0.00	00.00%	1000.00	100.00%	0.04	63.03%
PROXIMAL							
DIAPH							
PATELLA	1	0.00	10.00%				
TIBIA							
PROXIMAL							
DIAPH							
METATARSAL	1	0.00	10.00%	1100.00	11.00%	0.20	20.00%
PROXIMAL	3	1.00	00.00%	1040.00	10.10%	0.77	03.76%
DIAPH	1	0.00	10.00%	501.00	4.24%	0.20	20.00%
TARSAL	0	0.00	00.00%			0.04	20.00%
ASTRAGALUS	0	0.00	00.00%	0000.00	34.04%	1.10	07.00%
CALCANEUM	3	1.00	00.00%	2100.00	00.70%	0.00	00.00%
METAPODIAL	0	1.00	00.00%	000.00	0.00%	0.30	30.00%
SESAMOID	7						
PHALANX 1	14	1.75	00.00%	770.00	7.04%	0.74	01.00%
PHALANX 2	14	1.75	00.00%	770.00	7.04%	0.44	30.00%
PHALANX 3	0	0.70	00.00%	000.00	0.00%	0.10	10.00%
PHALANX INDET							
TOTALS	120			91740		0.77	
Boys	NBP	MAU	%MAU/M	FLI	%FLI/M	DENSITY	%DENSITY
SKULL							
HORNCOPE							
HYD							
MAXILLA	1	0.07	00.00%				
MANDIBLE	1	0.04	10.00%	00.07	11.00%	0.00	20.00%
ATLAS							
AXIS							
PULVIS							
SCAPULA	1	0.20	100.00%	570.75	100.00%	0.00	100.00%
HUMERUS							
PROXIMAL							
DIAPH							
RADIUS/ULNA							
PROXIMAL							
DIAPH							
CARPALS							
METACARPAL							
PROXIMAL							
DIAPH							
FEMUR							
PROXIMAL							
DIAPH							
PATELLA							
TIBIA							
PROXIMAL							
DIAPH							
METATARSAL							
PROXIMAL							
DIAPH							
TARSAL							
ASTRAGALUS							
CALCANEUM							
METAPODIAL							
SESAMOID							
PHALANX 1							
PHALANX 2							
PHALANX 3							
PHALANX INDET							
TOTALS	3			657.00		0.11	

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