

APPENDIX B: TABLES

Hammer No.	Greatest Length (cm)	Greatest Breadth (cm)	Greatest Thickness (cm)	Weight (gm)
S.H-1	11.2	9.0	6.1	743
S.H-2	10.8	8.6	5.5	700
S.H-3	6.8	4.3	3.5	171
S.H-4	5.1	5.3	2.8	157
S.H-5	4.8	4.1	2.7	100
S.H-6	5.2	5.0	3.5	131
S.H-7	3.6	2.7	1.9	35
S.H-8	3.9	2.7	1.5	28
S.H-9	4.3	3.4	1.7	47
S.H-10	4.7	4.1	1.8	73
S.H-11	3.7	2.2	1.5	24
S.H-12	.04	2.5	1.6	22
S.H-13	2.9	2.6	2.0	26
S.H-14	4.4	3.2	2.4	50
S.H-15	7.9	7.1	5.1	464
S.H-16	11.0	8.4	4.5	744
C.H-1	5.0	2.5 (mean)	2.5 (mean)	46
C.H-2	8.1	3.5 (mean)	2.7 (mean)	97
C.H-3	9.0	3.0 (mean)	2.8 (mean)	105

Table 5.1 size and weight of the stone/hard hammers (S.H) and cylinder/soft hammers (C.H).

Museum Number of Raw Material	Type of Rock	Weight Before Reduction (gm.)
DGR-07-08	QUARTZITE	1021
DGR-04-08	QUARTZITE	476
DGR-11-08	QUARTZITE	680
DGR-19-08	QUARTZITE	407
DGR-08-08	QUARTZ	392
DGR-17-08	QUARTZ	716
DGR-21-08	QUARTZ	1681
DGR-13-08	QUARTZ	3559
DGR-15-08	QUARTZ	535
DGR-02-08	QUARTZ	171
BPH-02-09	QUARTZ	2675
BPH-03-09	QUARTZ	1059
BPH-04-09	QUARTZ	1104
BPH-01-09	QUARTZ	1780
BPH-05-09	QUARTZ	1122
BPH-06-09	QUARTZ	716
BPH-07-09	QUARTZ	462
BPH-08-09	QUARTZ	837
BPH-09-09	QUARTZ	440
BPH-10-09	QUARTZ	6000
PAL-01-08	QUARTZITE	410
PAL-02-08	METADOLERITE	1512
PAL-03-08	QUARTZITE	2857
PAL-04-08	QUARTZITE	611
PAL-05-08	QUARTZITE	1373
PAL-06-08	QUARTZITE	282
PAL-07-08	QUARTZITE	747
PAL-08-08	QUARTZITE	1045
PAL-10-08	QUARTZITE	3379

Table 5.2- Weight of raw materials before reduction.

Name of the Variable	Source	DF	F Value	Critical Value of 'F' (5% significance level)	Significance level	Reading Stage I	Reading Stage II	Mean Difference	Significance Level
Flake Width	Between Groups	2	37.159	3.03* (* where denominator for 'F' ratio 250)	Significant	F.S.R	S.S.R T.S.R	1.8153* 2.7639*	0.000 0.000
	Within Groups	236				S.S.R	F.S.R T.S.R	-1.8153* 0.9504	0.000 0.246
						T.S.R	F.S.R S.S.R	-2.7639* -0.9504	0.000 0.246
Striking Platform Width	Between Groups	2	21.662	3.03* (* where denominator for 'F' ratio 250)	Significant	F.S.R	S.S.R T.S.R	0.7710* 1.6613*	0.000 0.000
	Within Groups	236				S.S.R	F.S.R T.S.R	-0.7710* 0.8903*	0.000 0.043
						T.S.R	F.S.R S.S.R	-1.8613* -0.8903*	0.000 0.043
Striking Platform Thickness	Between Groups	2	23.365	3.03* (* where denominator for 'F' ratio 250)	Significant	F.S.R	S.S.R T.S.R	0.4183* 0.5785*	0.000 0.001
	Within Groups	236				S.S.R	F.S.R T.S.R	-0.4183* 0.1602*	0.000 0.588
						T.S.R	F.S.R S.S.R	-0.5785* -0.1602*	0.001 0.588
Striking Platform Angle	Between Groups	2	16.197	3.03* (* where denominator for 'F' ratio 250)	Significant	F.S.R	S.S.R T.S.R	-12.6713* 21.6667*	0.000 0.023
	Within Groups	236				S.S.R	F.S.R T.S.R	12.6713* 34.3380*	0.000 0.000
						T.S.R	F.S.R S.S.R	-21.6667* -34.3380*	0.023 0.000
Flake Length	Between Groups	2	34.642	3.03* (* where denominator for 'F' ratio 250)	Significant	F.S.R	S.S.R T.S.R	1.4240* 1.5716*	0.000 0.003
	Within Groups	236				S.S.R	F.S.R T.S.R	-1.4240* 0.1476	0.000 0.945
						T.S.R	F.S.R S.S.R	-1.5716* -0.1476	0.003 0.945
Flake Thickness	Between Groups	2	34.263	3.03* (* where denominator for 'F' ratio 250)	Significant	F.S.R	S.S.R T.S.R	0.6384* 0.6100	0.000 0.001
	Within Groups	236				S.S.R	F.S.R T.S.R	-0.6384* 0.1116	0.000 0.776
						T.S.R	F.S.R S.S.R	-0.6100* -0.1116	0.001 0.776

Table 6:1- Result of the ANOVA and post hoc Scheffe test of various individual flaking attributes, compared according to reduction stages. (* The mean difference is significant at the .05 level)

Debitage Condition	Raw Material Type			Chi square Value
	Quartz	Quartzite	Metadolerite	
Unbroken	32	130	40	7.03*
Broken	2	32	3	

*Value is Significant when $p < 0.05$. ($df = 2$).

Table 6:2- Results of Chi square test on debitage condition.

Debitage Termination	Raw Material Type			Chi square Value
	Quartz	Quartzite	Metadolerite	
Feather	29	107	31	8.58*
Step	3	17	7	
Hinge	0	4	2	
Nil	2	34	3	

*Value is Significant when $p < 0.05$. ($df = 3$).

Table 6:3- Results of Chi square text on debitage termination.

Name of the Variable	Source	Df	F Value	Critical Value of F (5% significance level)	Significance level	Reading Stage I	Reading Stage II	Mean Difference	Significance Level
Flake Length	Between Groups	2	8.160	3.03* (* where denominator for F ratio 250)	Significant	Quartz	Quartzite Metadolomite	0.5456 1.1484*	0.135 0.003
	Within Groups	236				Quartzite	Quartz Metadolomite	-0.5456 0.6029	0.135 0.053
						Metadolomite	Quartz Quartzite	-1.1484* -0.6029	0.003 0.053
Flake Width	Between Groups	2	2.327	3.03* (* where denominator for F ratio 250)	Not Significant	Quartz	Quartzite Metadolomite	0.1306 0.4479	0.822 0.212
	Within Groups	236				Quartzite	Quartz Metadolomite	-0.1306 0.3173	0.822 0.248
						Metadolomite	Quartz Quartzite	-0.4409 -0.3173	0.212 0.248
Striking Platform Width	Between Groups	2	1.868	3.03* (* where denominator for F ratio 250)	Not Significant	Quartz	Quartzite Metadolomite	0.4183* 0.5785*	0.000 0.001
	Within Groups	236				Quartzite	Quartz Metadolomite	-0.4183* 0.1602*	0.008 0.588
						Metadolomite	Quartz Quartzite	-0.5785* -0.1602*	0.001 0.588
Striking Platform Thickness	Between Groups	2	12.138	3.03* (* where denominator for F ratio 250)	Significant	Quartz	Quartzite Metadolomite	0.2431* 0.3983*	0.002 0.000
	Within Groups	236				Quartzite	Quartz Metadolomite	-0.2431* 0.1552*	0.002 0.040
						Metadolomite	Quartz Quartzite	-0.3983* -0.1552*	0.000 0.040
Striking Platform Angle	Between Groups	2	1.407	3.03* (* where denominator for F ratio 250)	Not Significant	Quartz	Quartzite Metadolomite	4.6485 -1.6814	0.504 0.955
	Within Groups	236				Quartzite	Quartz Metadolomite	-4.6485 -6.3099	0.504 0.383
						Metadolomite	Quartz Quartzite	1.6814 6.3099	0.955 0.383
Flake Thickness	Between Groups	2	8.830	3.03* (* where denominator for F ratio 250)	Significant	Quartz	Quartzite Metadolomite	0.1725 0.4604*	0.189 0.000
	Within Groups	236				Quartzite	Quartz Metadolomite	-0.1725 0.2879*	0.189 0.004
						Metadolomite	Quartz Quartzite	-0.4604* -0.2879*	0.000 0.004

Table 6:4- Result of the ANOVA and post hoc Scheffe test of various individual flaking attributes, compared according to raw material types. (* The mean difference is significant at the .05 level)

Mean flake length in HHT	Mean flake length in SHT	Degree of Freedom (df)	T statistic value	Critical Value of 't' (df=300)	Significance level.
3.48	2.05	237	8.333	4.303* <i>(*significance level 2.5% for one tailed test)</i>	Significant
Mean flake thickness in HHT	Mean flake thickness in SHT	Degree of Freedom (df)	T statistic value	Critical Value of 't' (df=300)	Significance level.
0.96	0.46	237	8.256	4.303* <i>(*significance level 2.5% for one tailed test)</i>	Significant
Mean flake width in HHT	Mean flake width in SHT	Degree of Freedom (df)	T statistic value	Critical Value of 't' (df=300)	Significance level.
4.07	2.20	237	8.423	4.303* <i>(*significance level 2.5% for one tailed test)</i>	Significant
Mean striking platform angle in HHT	Mean striking platform angle in SHT	Degree of Freedom (df)	T statistic value	Critical Value of 't' (df=300)	Significance level.
97	108	237	3.401	4.303* <i>(*significance level 2.5% for one tailed test)</i>	Not Significant
Mean Striking Platform Thickness in HHT	Mean striking platform thickness in SHT	Degree of Freedom (df)	T statistic value	Critical Value of 't' (df=300)	Significance level.
0.79	0.36	237	7.046	4.303* <i>(*significance level 2.5% for one tailed test)</i>	Significant
Mean Striking Platform Width in HHT	Mean Striking Platform Width in SHT	Degree of Freedom (df)	T statistic value	Critical Value of 't' (df=300)	Significance level.
2.17	1.35	237	5.911	4.303* <i>(*significance level 2.5% for one tailed test)</i>	Significant

Table 6:5- T test results of individual flaking attributes, compared according to technique of manufacture.